ADD CABINS & RENOVATE LODGE
CURRENT RIVER STATE PARK

State of Missouri - OA FMDC
Salem, Missouri

Farnsworth GROUP
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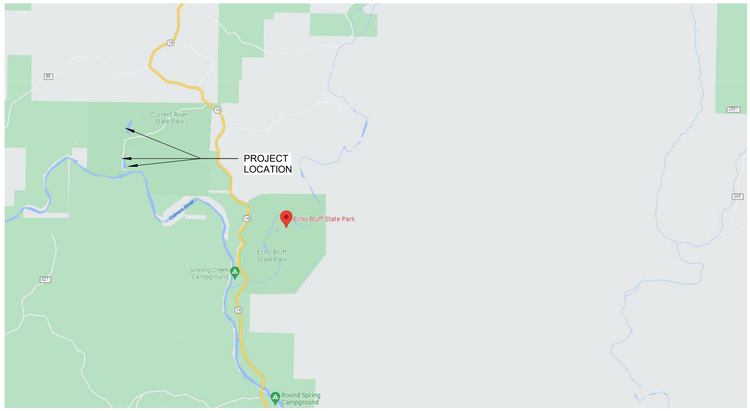
OWNER:
STATE OF MISSOURI
MIKE KEHOE, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES DIVISION OF MISSOURI STATE PARKS

PROJECT MANAGEMENT:
OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION



DESIGNER: **FARNSWORTH GROUP**

PROJECT NUMBER: **X2207-01**

SITE NUMBER: **5232**
ASSET NUMBERS:

Lodge.....7815232001	(2B)Cabin C.....7815232004
Lower Dorm.....7815232010	(2B)Cabin D.....7815232005
Gymnasium.....7815232011	(2B)Cabin E.....7815232006
Game Room.....7815232012	(2B)Cabin F.....7815232007
Family Cabin.....7815232013	(2B)Cabin G.....7815232008
RR Building.....7815232014	(2B)Cabin H.....7815232009

SHEET NUMBER:
***CO**
SHEET 1 of 219
ISSUE DATE 11/26/2025

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DRAWING LIST

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PROJECT GENERAL NOTES

A. REFER TO GENERAL INFORMATION SHEETS FOR SYMBOLS AND ABBREVIATIONS.

B. WALLS TO BE REMOVED SHALL BE FROM FLOOR TO STRUCTURE ABOVE UNLESS OTHERWISE INDICATED AND SHALL INCLUDE ALL MECHANICAL, ELECTRICAL, ETC. PREPARE ALL DISTURBED AREAS FOR NEW CONSTRUCTION.

C. DO NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS. IF A REQUIRED DIMENSION IS NOT INDICATED, CONTACT THE ARCHITECT FOR DETERMINATION.

D. THE CONTRACTOR SHALL NOT CUT STRUCTURAL MEMBERS/ELEMENTS IN A MANNER RESULTING IN A REDUCTION OF LOAD CARRYING CAPACITY OR LOAD/DEFLECTION RATIO.

E. PAINT ALL STEEL DOORS, DOOR FRAMES, INTERIOR BORROW LITE FRAMES, LINTELS AND OTHER EXPOSED METAL ITEMS UNLESS OTHERWISE NOTED OR SHOWN.

F. EXISTING CONDITION INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. ALL EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE ONLY AND HAS NOT BEEN FIELD VERIFIED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY NEW WORK AND SHALL BRING AND DISCREPANCIES TO THE ATTENTION OF THE DESIGN PROFESSIONAL PRIOR TO DEMOLITION AND CONSTRUCTION.

G. STORAGE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS IS UNDERSTOOD TO NOT BE WITHIN THE BUILDING. STORAGE OF ANY MATERIAL IS TO BE IN COMPLIANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.

GENERAL NOTES

A. REFER TO LIFE SAFETY SHEETS FOR LIFE SAFETY INFORMATION.

B. CONTRACTOR TO PROVIDE ALL ADDITIONAL FRAMING NECESSARY FOR ALL OPENINGS AND SUPPLEMENTAL FRAMING ABOVE PARTITIONS.

C. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR SYSTEM RELATED PENETRATIONS NOT SHOWN.

D. CONTRACTOR SHALL MAINTAIN THE BUILDING IN A WEATHERPROOF CONDITION AT ALL TIMES.

E. PROJECTS SHALL REMAIN IN COMPLIANCE WITH ALL ASPECTS OF ALL GOVERNING CODES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, EXITING, FIRE ALARM SYSTEM(S) SMOKE/FIRE DETECTION SYSTEM(S), SPRINKLER SYSTEM(S).

F. TEMPORARY BARRICADES AS PERTAINING TO CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PERSONS IN AND AROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE WITH OWNER.

G. ALL AREAS TO BE DEMOLISHED OR DISTURBED BY ANY DEMOLITION ARE TO BE PATCHED AND PAINTED (OR PREPARED FOR OTHER SCHEDULED FINISH). IF PAINTING IS REQUIRED, ENTIRE WALL SHALL RECEIVE PAINT TO AVOID MISMATCH OF COLOR.

H. ALL OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ETC, SHALL BE PROPERLY PATCHED AND CLOSED OFF TO MAINTAIN PROPER FIRE RATING IN AFFECTED WALL, FLOOR, OR ROOF. PREPARE PATCHED AREAS TO RECEIVE NEW FINISHES AS SCHEDULES (OR MATCH EXISTING FINISHES IF NOT OTHERWISE IDENTIFIED).

I. WHEN PATCH OF EXISTING FLOOR IS REQUIRED, SLOPING OR RAMPING IN EXCESS OF CONTRACT TOLERANCES WILL NOT BE ALLOWED (1/8" PER 10 FEET MAXIMUM).

J. UPON REMOVAL OF TEMPORARY PARTITIONS, CONTRACTOR IS RESPONSIBLE FOR PATCHING TO MATCH EXISTING ADJACENT CONSTRUCTION.

K. AT CONSTRUCTION ACCESS, CONTRACTOR TO PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.

L. REMOVAL OF CERAMIC TILE AND GROUT BEDS FROM EXISTING WALLS AND FLOOR SHALL INCLUDE PREPARATION FOR NEW CONSTRUCTION.

M. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO PROVIDE COMPLETE WORKING SYSTEMS FOR ALL NEW ELEMENTS AND TO COORDINATE THEIR WORK WITH ALL OTHER TRADES.

N. ALL CONTRACTORS SHALL PROVIDE NEW, UNDAMAGED MATERIALS UNLESS OTHERWISE SPECIFIED.

O. STORE MATERIALS IN SUCH A MANNER AS NOT TO OVERSTRESS, OVERLOAD, OR OTHERWISE PUT AN UNSAFE LOAD ON ANY STRUCTURE DURING CONSTRUCTION.

P. INSTALL ALL WORK IN ACCORDANCE WITH CURRENT APPLICABLE CODES, PUBLISHED STANDARDS, AND ACCEPTABLE CONSTRUCTION STANDARDS.

Q. DETAILS ARE GENERALLY TYPICAL AND ARE NOT TO BE CONSTRUED AS LIMITED TO THOSE AREAS SPECIFICALLY INDICATED. REVIEW ANY QUESTIONS OR CONFLICTING INFORMATION WITH THE DESIGN PROFESSIONAL PRIOR TO FABRICATION OR INSTALLATION.

R. CONTRACTOR SHALL VERIFY DIMENSIONS IN FIELD PRIOR TO BEGINNING CONSTRUCTION.

S. HINGE SIDE OF DOOR JAMBS TO BE LOCATED 4" FROM NEAREST WALL INTERSECTION UNLESS OTHERWISE NOTED.

BID ALTERNATES

REFERENCE SECTION 012300 OF THE PROJECT MANUAL FOR THE SCHEDULE OF BID ALTERNATES TO BE INCLUDED WITH THE BID PACKAGE

- BASE BID: ALL SITE WORK, TWO BEDROOM CABINS, LODGE, GYMASIUM, & RESTROOM BUILDING
- ALTERNATE #1: LOWER DORM (PHYSICAL BUILDING FOOTPRINT- INCLUDES SITEWORK)
- ALTERNATE #2: FAMILY CABIN (PHYSICAL BUILDING FOOTPRINT- EXCLUDES SITEWORK)
- ALTERNATE #3: GAME ROOM (PHYSICAL BUILDING FOOTPRINT- EXCLUDES SITEWORK)

DEFERRED SUBMITTALS

THE FOLLOWING SYSTEMS ARE A DESIGN/BUILD RESPONSIBILITY OF THE CONTRACTOR OR PRODUCT MANUFACTURER AND WILL REQUIRE THE DEFERRED SUBMITTAL OF DESIGN WORK TO THE STATE OF MISSOURI AND MoDNR FOR PLAN REVIEW AND PERMITTING:

1. FIRE SPRINKLER SYSTEMS
2. FIRE ALARM SYSTEMS

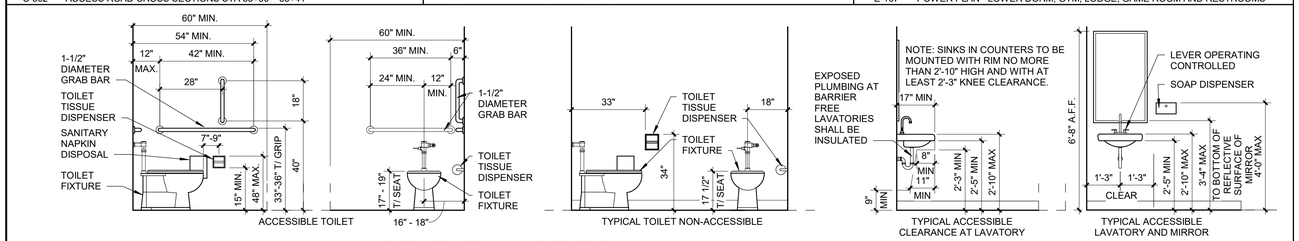
ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	ID	INSIDE DIAMETER
ACP/APC	ACOUSTIC CEILING PANEL/ ACOUSTIC PANEL CEILING	IN	INCH
		INCL	INCLUDING
ACT	ACOUSTIC(AL) TILE	INSUL	INSULATION
ADJ	ADJUSTABLE	INT	INTERIOR
ADT'L	ADDITIONAL	JAN	JANITOR
AGG	AGGREGATE	JT	JOINT
ALT	ALTERNATE	LAV	LAVATORY
AL	ALUMINUM	LB(S)	POUND(S)
APPROX	APPROXIMATE(LY)	L/S	LANDSCAPE
ASPH	ASPHALT	LT	LIGHT
AUTO	AUTOMATIC	MO	MASONRY OPENING
B/O	BOTTOM OF	MAS	MASONRY
BD	BOARD	MAT'L	MATERIAL
BLDG	BUILDING	MAX	MAXIMUM
BLKG	BLOCKING	MECH	MECHANICAL
BOT	BOTTOM	MFR	MANUFACTURER
BRG	BEARING	MIN	MINIMUM
℄	CENTERLINE	MIR	MIRROR
C/C	CENTER TO CENTER	MISC	MISCELLANEOUS
CJ	CONTROL JOINT	MTD	MOUNTED
CLL	CONTRACT LIMIT LINE	MTL	METAL
CEM	CEMENT(ITIOUS)	N	NORTH
CMU	CONCRETE MASONRY UNIT	NIC	NOT IN CONTRACT
CLG	CEILING	NTS	NOT TO SCALE
CLR	CLEAR	NOM	NOMINAL
COL	COLUMN	OC	ON CENTER
CONC	CONCRETE	OD	OUTSIDE DIAMETER
CONST	CONSTRUCTION	O TO O	OUT TO OUT
CONT	CONTINUOUS	OPNG	OPENING
CPT	CARPET	OPP	OPPOSITE
CT	CERAMIC TILE	OVHD	OVERHEAD
CTR	CENTER(ED)	PEB	PRE-ENGINEERED BUILDING
DF	DRINKING FOUNTAIN	PJF	PREFORMED JOINT FILLER
DS	DOWNSPOUT	PT	PRESSURE TREATED
DBL	DOUBLE	PERIM	PERIMETER
DEG	DEGREE	PL	PLATE
DEMO	DEMOLITION	PLAM	PLASTIC LAMINATE
DET/DTL	DETAIL	PLBG	PLUMBING
DIA	DIAMETER	PLYWD	PLYWOOD
DIM	DIMENSION	PNT	PAINT
DN	DOWN	PR	PAIR
DWG(S)	DRAWING(S)	PTD	PAINTED
E	EAST	PWR	POWER
EC	ELECTRICAL CONTRACTOR	RB	RUBBER BASE
EHO	ELECTRICAL HOLD OPEN	RD	ROOF DRAIN
EJ	EXPANSION JOINT	RO	ROUGH OPENING
EW	EACH WAY	RAD	RADIUS
EA	EACH	REC	RECESSED
EIFS	EXTERIOR INSULATION FINISH SYSTEM	REINF	REINFORCED
		REQ'D	REQUIRED
EL	ELEVATION	REV	REVISED (REVISION)
ELEC	ELECTRIC(AL)	RM	ROOM
ELEV	ELEVATOR	S	SOUTH
EMER	EMERGENCY	SB	SPLASH BLOCK
EQ	EQUAL	SF	SQUARE FEET
EQUIP	EQUIPMENT	SS	STAINLESS STEEL
EXIST	EXISTING	SIM	SIMILAR
EXT	EXTERIOR	SPEC	SPECIFICATIONS
EWC	ELECTRIC WATER COOLER	SQ	SQUARE
FD	FLOOR DRAIN	STD	STANDARD
FE	FIRE EXTINGUISHER	STL	STEEL
FFE	FINISH FLOOR ELEVATION	STOR	STORAGE
FV	FIELD VERIFY	STRUCT	STRUCTURAL
FEC	FIRE EXTINGUISHER CABINET	SUSP	SUSPENDED
FDN	FOUNDATION	T&G	TONGUE AND GROOVE
FIN	FINISH	T/O	TOP OF
FLSHG	FLASHING	TELE	TELEPHONE
FLR	FLOOR	TRTD	TREATED
FRMG	FRAMING	TS	TUBE STEEL
FT	FOOT/FEET	TYP	TYPICAL
FTG	FOOTING	UNFIN	UNFINISHED
GC	GENERAL CONTRACTOR	UNO	UNLESS NOTED OTHERWISE
GA	GAUGE	VCT	VINYL COMPOSITION TILE
GALV	GALVANIZED	VIF	VERIFY IN FIELD
GEN	GENERAL	VERT	VERTICAL
GYP	GYPSUM	W	WEST
HM	HOLLOW METAL	W/	WITH
HDWR	HARDWARE	W/O	WITHOUT
HOL	HOLLOW	WC	WATER CLOSET
HOR	HORIZONTAL	WWF	WELDED WIRE FABRIC
HT	HEIGHT	WD	WOOD
HVAC	HEATING/VENTILATION/AIR CONDITIONING	WH	WATER HEATER
		WT	WEIGHT

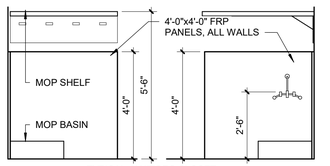
SYMBOLS LEGEND

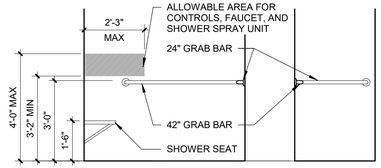
NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS

- 1 / A8.1 — DETAIL # / WALL SECTION / SHEET #
- MATL 1'-0" — CEILING/ SOFFIT HEIGHT
- XX.X — COLUMN GRID
- 1 / A8.1 — DETAIL # / BUILDING SECTION / PAGE #
- # — PHOTO REFERENCES
- x.x — TYPICAL KEYNOTE
- D# — DEMOLITION KEYNOTE
- 1 / A8.1 — DETAIL # / DETAIL SECTION / SHEET #
- ROOM NAME 101 — ROOM DESIGNATION
- 101-1 — DOOR NUMBER
- 1 / A8.1 — DETAIL # / INTERIOR ELEVATION / SHEET #
- # — WALL TYPE
- # — WINDOW TYPE
- T# — TOILET ACCESSORY
- 1 / A8.1 — DETAIL # / EXTERIOR ELEVATION / SHEET #
- 12 / 6 — ROOF PITCH
- SLOPE: 1/4" — SLOPE/ROOF SLOPE
- 1 / A8.1 — ENLARGED CALLOUT
- BREAK LINE
- ELEVATION 0'-0" — ELEVATION
- 7 — REVISION NOTE



NOTES:
1. FIXTURES SHOWN ARE FOR REFERENCE ONLY AND ARE NOT PROJECT SPECIFIC. SEE PLUMBING DRAWINGS AND SCHEDULES FOR FIXTURE TYPES.
2. MOUNTING HEIGHTS ARE TO BE COMPLIANT WITH 2010 ADA AND THE MISSOURI ACCESSIBILITY CODE-2010. PROVIDE ALL NECESSARY CONCEALED BLOCKING AND REINFORCEMENT FOR THE SECURE INSTALLATION OF ALL EQUIPMENT AND ACCESSORIES.
3. EXPOSED PLUMBING BARRIER FREE LAVATORIES MUST BE INSULATED OR OTHERWISE CONFIGURED TO ELIMINATE POSSIBLE CONTACT.
4. SEE TOILET ACCESSORY SCHEDULE AND RESTROOM ELEVATIONS ON A-604





1 **STANDARD MOUNTING HEIGHTS**
SCALE: 3/8" = 1'-0"

11/25/2025 3:05:32 PM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



Date: 11/26/2025

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Missouri State Certificate of Authority #000744
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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: KMC
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

GENERAL INFORMATION

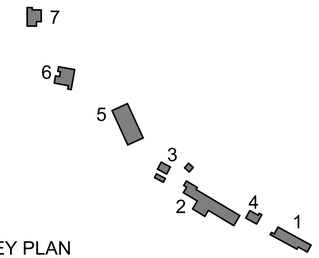
SHEET NUMBER:

G-001

SHEET 2 of 219
ISSUE DATE 11/26/2025



1 **SITE PLAN**
SCALE: 1" = 160'-0"



TRUE NORTH **KEY PLAN**
SCALE: NOT TO SCALE
TRUE NORTH

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRINER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

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Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: KMC
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

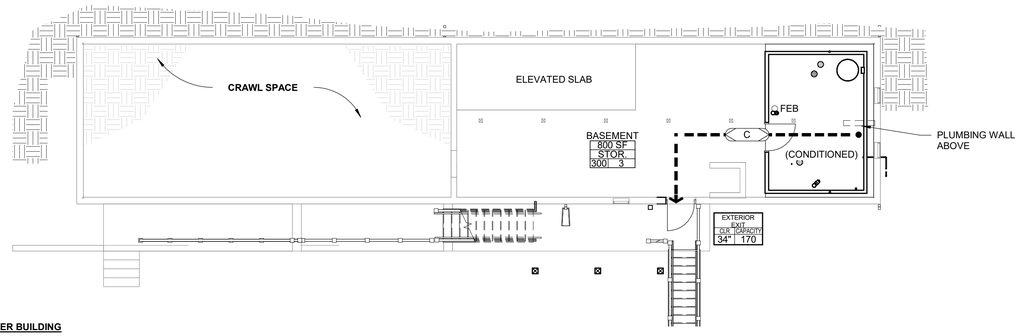
SITE PLAN

SHEET NUMBER:

G-002

SHEET 3 of 219
ISSUE DATE 11/26/2025

11/25/2025 3:00:34 PM



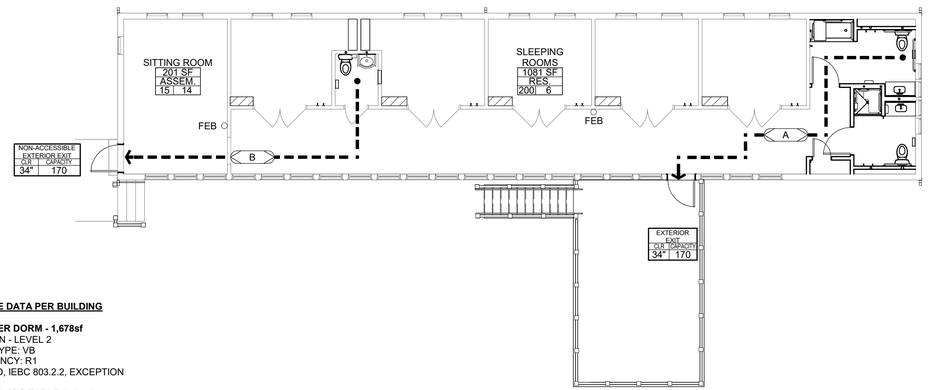
APPLICABLE CODE DATA PER BUILDING

BUILDING 1 - LOWER DORM - 1,678sf
IEBC = ALTERATION - LEVEL 2
CONSTRUCTION TYPE: VB
PRIMARY OCCUPANCY: R1
NOT SPRINKLERED, IEBC 803.2.2, EXCEPTION
SINGLE EXIT ALLOWED PER 804.4.1.1, NOTE 2

OCCUPANCY LOAD (IBC TABLE 1004.5)
ACCESSORY STORAGE AREAS - 300 GROSS SF/OCCUPANT

LIFE SAFETY PLANS - BASEMENT LOWER DORM - ALTERNATE #1

2 SCALE: 1/8" = 1'-0"



APPLICABLE CODE DATA PER BUILDING

BUILDING 1 - LOWER DORM - 1,678sf
IEBC = ALTERATION - LEVEL 2
CONSTRUCTION TYPE: VB
PRIMARY OCCUPANCY: R1
NOT SPRINKLERED, IEBC 803.2.2, EXCEPTION

OCCUPANCY LOAD (IBC TABLE 1004.5)
ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED - 15 NET SF/OCCUPANT
RESIDENTIAL - 200 GROSS SF/OCCUPANT

LIFE SAFETY PLANS - FIRST FLOOR LOWER DORM - ALTERNATE #1

1 SCALE: 1/8" = 1'-0"

11/5/2025 5:00:07 PM

CODE INFORMATION

CURRENT RIVER STATE PARK
EMINENCE, MISSOURI

WORK DESCRIPTION
ADD CABINS & RENOVATE EXISTING BUILDINGS

APPLICABLE CODES
2021 INTERNATIONAL EXISTING BUILDING CODE
2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2021 INTERNATIONAL MECHANICAL CODE
2021 INTERNATIONAL FIRE CODE
2021 NATIONAL ELECTRIC CODE
2021 NFPA LIFE SAFETY CODE
2010 ACCESSIBILITY CODE
2014 MISSOURI PLUMBING CODE

R1 OCCUPANCY

BUILDING CONSTRUCTION AND OCCUPANCY
SEE APPLICABLE CODE DATA NOTED PER EACH BUILDING

BUILDING HEIGHT AND AREA

ALLOWABLE BUILDING HEIGHT (VB) (T 504.3; T 504.4):	3 STORIES	60 FEET
PROPOSED BUILDING HEIGHT:	EXISTING	EXISTING

FIRE RATING

PRIMARY STRUCTURAL FRAME (T 601)	0 HR
EXTERIOR BEARING WALLS (T 601)	0 HR
INTERIOR BEARING WALLS (T 601)	0 HR
EXTERIOR NON-BEARING WALLS (T 601)	0 HR
EXTERIOR NON-BEARING WALLS (T 601)	0 HR
FLOOR CONST/SECONDARY MEMBERS (T 601)	0 HR
ROOF CONST/SECONDARY MEMBERS (601)	0 HR
CORRIDOR (VB) (708.3 & T1020.2)	1/2 HR
FIRE SEPARATION AT A-2 OCCUPANCY (T 508.4)	1 HR
FIRE SEPARATION BETWEEN SLEEPING UNITS (708.3)	1/2 HR

EGRESS

EXIT TRAVEL DISTANCE (T 1017.2)		200 FT MAX
COMMON PATH OF TRAVEL (1030.8)		
< 50 OCCUPANTS		75 FT MAX
> 50 OCCUPANTS		30 FT MAX
DEAD END CORRIDORS (1020.5)		20 FT MAX
W/ SPRINKLER SYSTEM (EXCEPTION 2)		50 FT MAX
EGRESS CORRIDOR WIDTH (T 1020.3)		36" MIN
EGRESS DOOR WIDTH (1005.3.2)		0.2" x OCC LOAD
EGRESS STAIR WIDTH (1005.3.1)		0.3" x OCC LOAD

LIFE SAFETY GENERAL NOTES

A. SEE CIVIL DRAWINGS FOR INFORMATION INCLUDING CONCRETE SIDEWALKS, CONCRETE PADS, AND PARKING CONFIGURATIONS. CIVIL BACKGROUND DRAWING INFORMATION IS FOR REFERENCE ONLY.

B. REFER TO ELECTRICAL DRAWINGS FOR FIRE ALARM NOTIFICATION AND EMERGENCY EGRESS LIGHTING LOCATIONS.

C. REFER TO PARTITION TYPES FOR FURTHER FIRE SEPARATION REQUIREMENTS.

D. ALL FIRE RATED ASSEMBLIES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH TESTED ASSEMBLIES INDICATED.

E. WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT

F. EXTEND FIRE RATED PARTITIONS, BARRIERS, AND OTHER SEPARATIONS TO BOTTOM OF ROOF/FLOOR DECK ABOVE (OR AS DIRECTED BY UL ASSEMBLY) AND TO EXTERIOR WALL. SEAL JOINT BETWEEN EDGES OF PARTITION WITH FIRE RATED SEALANT AND/OR INTUMESCENT ASSEMBLY.

G. ALL PENETRATIONS OF FIRE-RATED ASSEMBLIES SHALL BE FIRE-SEALED IN ACCORDANCE WITH APPROVED MANUFACTURER'S DETAIL FOR LOCATION, TYPE OF CONSTRUCTION, PENETRATING ITEM AND RATING REQUIRED.

H. ALL DUCTWORK, DIFFUSERS, GRILLES, LIGHT FIXTURES, AND ELECTRICAL DEVICES PENETRATING FIRE-RATED OR SMOKE RESISTANT WALLS, CEILINGS, AND FLOORS SHALL HAVE THE APPROPRIATE TYPE OF FIRE/SMOKE DAMPER IN ACCORDANCE WITH THE TYPE OF CONSTRUCTION BEING PENETRATED AND THE FIRE/SMOKE RATING REQUIRED. ASSEMBLIES SHALL BE UL-LISTED FOR INSTALLATION IN THE ASSEMBLY AND SHALL BE INSTALLED SUCH THAT THE FIRE/SMOKE RATING IS NOT COMPROMISED. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS THAT MAY NOT BE SHOWN HERE.

I. SMOKE RESISTANT CONSTRUCTION SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE CODES. AREA SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING AND BE OF CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE. THE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE UNDERSIDE OF THE FLOOR OR ROOF ASSEMBLY ABOVE. DOORS SHALL NOT HAVE AIR TRANSFER OPENINGS AND SHALL NOT BE UNDERCUT IN EXCESS OF CLEARANCE PERMITTED WITH ACCORDANCE TO NFPA 80.

LIFE SAFETY LEGEND

FIRE RATINGS

-----1/2FP----- 0.5 HOUR FIRE PARTITION WALL

-----1FP----- 1 HOUR FIRE PARTITION WALL

EGRESS

TRAVEL DISTANCE TO AN EXIT

XX EGRESS PATH TAG

EXIT IDENTIFICATION — EXTERIOR EXIT | CLR 0" | CAPACITY 180 — EGRESS CAPACITY
EGRESS CLEAR WIDTH

CA CONTROLLED ACCESS - ALWAYS UNLOCKED IN DIRECTION OF EGRESS

DE DELAYED EGRESS

KB KNOX BOX

OCCUPANCY

Name | 150 SF | XXXX | 000 00
OCCUPANCY USE NAME
OCCUPANCY USE AREA
OCCUPANCY TYPE
OCCUPANCY LOAD
OCCUPANCY LOAD FACTOR

MISCELLANEOUS

FEC FIRE EXTINGUISHER CABINET

FEB FIRE EXTINGUISHER BRACKET

F PULL STATION

EGRESS PATH A

PATH ID		LENGTH
A		38' - 9"
TOTAL PATH LENGTH		38' - 9"

EGRESS PATH B

PATH ID		LENGTH
B		34' - 6"
TOTAL PATH LENGTH		34' - 6"

EGRESS PATH C

PATH ID		LENGTH
C		28' - 1"
TOTAL PATH LENGTH		28' - 1"

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: KMC
CHECKED BY: NRB
DESIGNED BY: NRB

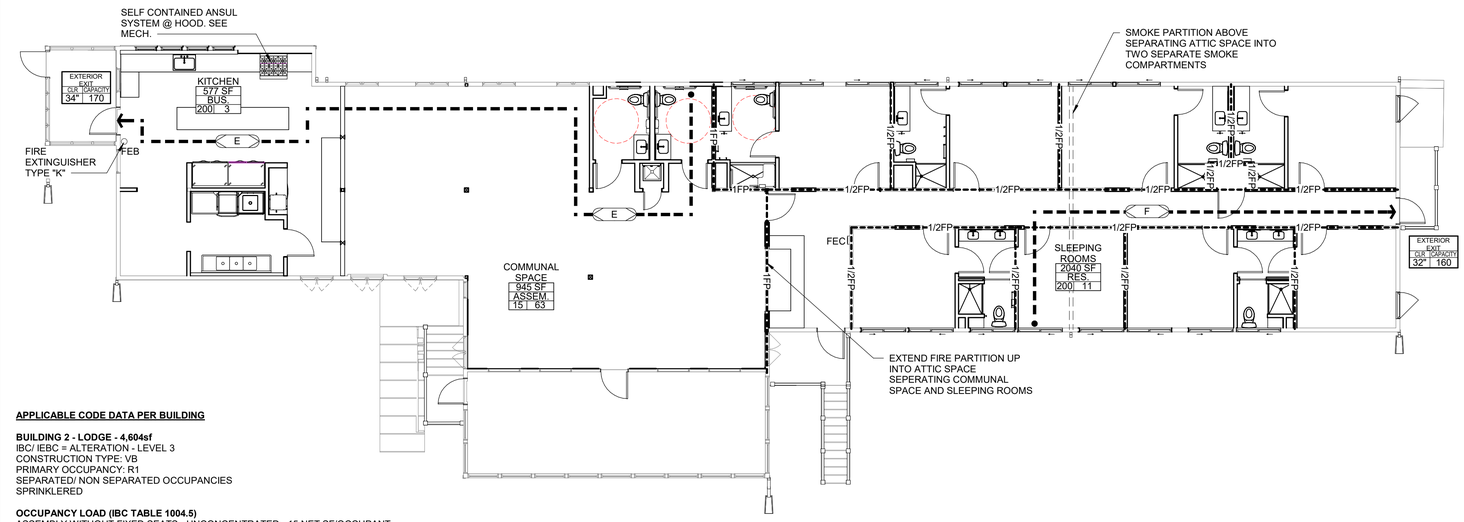
SHEET TITLE:

LIFE SAFETY PLANS - BASEMENT & FIRST FLOOR LOWER DORM

SHEET NUMBER:

G-003

SHEET 4 of 219
ISSUE DATE 11/26/2025



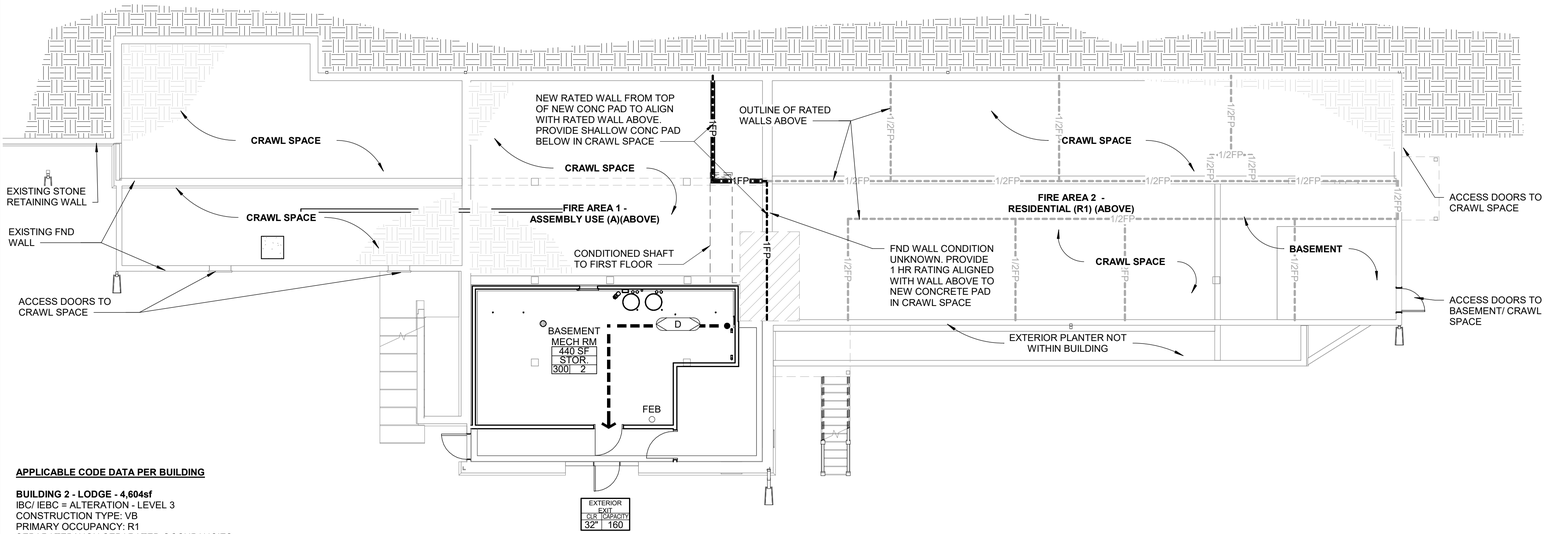
APPLICABLE CODE DATA PER BUILDING

BUILDING 2 - LODGE - 4,604sf
IBC/ IEBC = ALTERATION - LEVEL 3
CONSTRUCTION TYPE: VB
PRIMARY OCCUPANCY: R1
SEPARATED/ NON SEPARATED OCCUPANCIES
SPRINKLERED

OCCUPANCY LOAD (IBC TABLE 1004.5)
ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED - 15 NET SF/OCCUPANT
RESIDENTIAL - 200 GROSS SF/OCCUPANT
BUSINESS - 200 GROSS SF/OCCUPANT

2 LIFE SAFETY PLANS - FIRST FLOOR LODGE

SCALE: 1/8" = 1'-0"



APPLICABLE CODE DATA PER BUILDING

BUILDING 2 - LODGE - 4,604sf
IBC/ IEBC = ALTERATION - LEVEL 3
CONSTRUCTION TYPE: VB
PRIMARY OCCUPANCY: R1
SEPARATED/ NON SEPARATED OCCUPANCIES
SPRINKLERED

OCCUPANCY LOAD (IBC TABLE 1004.5)
ACCESSORY STORAGE AREAS - 300 GROSS SF/OCCUPANT

1 LIFE SAFETY PLANS - BASEMENT LODGE

SCALE: 1/8" = 1'-0"

11/25/2025 5:00:45 PM

CODE INFORMATION

CURRENT RIVER STATE PARK
EMINENCE, MISSOURI

WORK DESCRIPTION
ADD CABINS & RENOVATE EXISTING BUILDINGS

APPLICABLE CODES
2021 INTERNATIONAL EXISTING BUILDING CODE
2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2021 INTERNATIONAL MECHANICAL CODE
2021 INTERNATIONAL FIRE CODE
2021 NATIONAL ELECTRIC CODE
2021 NFPA LIFE SAFETY CODE
2010 ACCESSIBILITY CODE
2014 MISSOURI PLUMBING CODE

R1 OCCUPANCY

BUILDING CONSTRUCTION AND OCCUPANCY

SEE APPLICABLE CODE DATA NOTED PER EACH BUILDING

BUILDING HEIGHT AND AREA

ALLOWABLE BUILDING HEIGHT (VB) (T 504.3; T 504.4):	3 STORIES	60 FEET
PROPOSED BUILDING HEIGHT:	EXISTING	EXISTING

FIRE RATING

PRIMARY STRUCTURAL FRAME (T 601)	0 HR
EXTERIOR BEARING WALLS (T 601)	0 HR
INTERIOR BEARING WALLS (T 601)	0 HR
EXTERIOR NON-BEARING WALLS (T 601)	0 HR
EXTERIOR NON-BEARING WALLS (T 601)	0 HR
FLOOR CONST/SECONDARY MEMBERS (T 601)	0 HR
ROOF CONST/SECONDARY MEMBERS (601)	0 HR
CORRIDOR (VB) (708.3 & T1020.2)	1/2 HR
FIRE SEPARATION AT A-2 OCCUPANCY (T 508.4)	1 HR
FIRE SEPARATION BETWEEN SLEEPING UNITS (708.3)	1/2 HR

EGRESS

EXIT TRAVEL DISTANCE (T 1017.2)		200 FT MAX
COMMON PATH OF TRAVEL (1030.8)		
< 50 OCCUPANTS		75 FT MAX
> 50 OCCUPANTS		30 FT MAX
DEAD END CORRIDORS (1020.5)		20 FT MAX
W/ SPRINKLER SYSTEM (EXCEPTION 2)		50 FT MAX
EGRESS CORRIDOR WIDTH (T 1020.3)		36" MIN
EGRESS DOOR WIDTH (1005.3.2)		0.2" x OCC LOAD
EGRESS STAIR WIDTH (1005.3.1)		0.3" x OCC LOAD

LIFE SAFETY GENERAL NOTES

A. SEE CIVIL DRAWINGS FOR INFORMATION INCLUDING CONCRETE SIDEWALKS, CONCRETE PADS, AND PARKING CONFIGURATIONS. CIVIL BACKGROUND DRAWING INFORMATION IS FOR REFERENCE ONLY.

B. REFER TO ELECTRICAL DRAWINGS FOR FIRE ALARM NOTIFICATION AND EMERGENCY EGRESS LIGHTING LOCATIONS.

C. REFER TO PARTITION TYPES FOR FURTHER FIRE SEPARATION REQUIREMENTS.

D. ALL FIRE RATED ASSEMBLIES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH TESTED ASSEMBLIES INDICATED.

E. WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT

F. EXTEND FIRE RATED PARTITIONS, BARRIERS, AND OTHER SEPARATIONS TO BOTTOM OF ROOF/FLOOR DECK ABOVE (OR AS DIRECTED BY UL ASSEMBLY) AND TO EXTERIOR WALL. SEAL JOINT BETWEEN EDGES OF PARTITION WITH FIRE RATED SEALANT AND/OR INTUMESCENT ASSEMBLY.

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LIFE SAFETY LEGEND

FIRE RATINGS

-----1/2FP----- 0.5 HOUR FIRE PARTITION WALL

-----1FP----- 1 HOUR FIRE PARTITION WALL

EGRESS

TRAVEL DISTANCE TO AN EXIT

XX EGRESS PATH TAG

EXIT IDENTIFICATION — EXTERIOR EXIT DOR CAPACITY 0" 180 — EGRESS CLEAR WIDTH — EGRESS CAPACITY

CA CONTROLLED ACCESS - ALWAYS UNLOCKED IN DIRECTION OF EGRESS

DE DELAYED EGRESS

KB KNOX BOX

OCCUPANCY

Name 150 SF XXXX 000 00
OCCUPANCY USE NAME
OCCUPANCY USE AREA
OCCUPANCY TYPE
OCCUPANCY LOAD
OCCUPANCY LOAD FACTOR

MISCELLANEOUS

FEC FIRE EXTINGUISHER CABINET

FEB FIRE EXTINGUISHER BRACKET

F PULL STATION

EGRESS PATH D

PATH ID		LENGTH
D		24' - 9"
TOTAL PATH LENGTH		24' - 9"

EGRESS PATH E

PATH ID		LENGTH
E		95' - 6"
TOTAL PATH LENGTH		95' - 6"

EGRESS PATH F

PATH ID		LENGTH
F		52' - 11"
TOTAL PATH LENGTH		52' - 11"

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI NICHOLAS RYAN BRUNER NUMBER A-2018007676 ARCHITECT

Date: 11/26/2025

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OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	X	(2B)Cabin C	7815232004	
Lower Dorm	7815232010		(2B)Cabin D	7815232005	
Gymnasium	7815232011		(2B)Cabin E	7815232006	
Game Room	7815232012		(2B)Cabin F	7815232007	
Family Cabin	7815232013		(2B)Cabin G	7815232008	
RR Building	7815232014		(2B)Cabin H	7815232009	

#	DATE:	DESCRIPTION:

DRAWN BY: KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

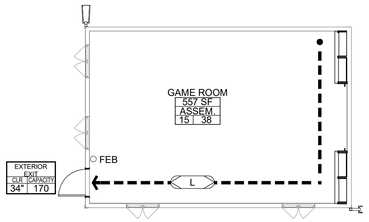
SHEET TITLE:

LIFE SAFETY PLANS - BASEMENT & FIRST FLOOR LODGE

SHEET NUMBER:

G-004

SHEET 5 of 219
ISSUE DATE 11/26/2025



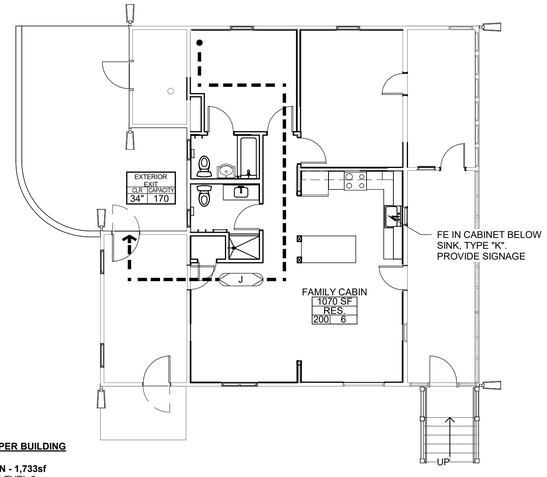
APPLICABLE CODE DATA PER BUILDING

BUILDING 4 - GAME ROOM - 557sf
IBC/ IEBC = ALTERATION - LEVEL 2
CONSTRUCTION TYPE: VB
PRIMARY OCCUPANCY: A2
NOT SPRINKLERED, IEBC 803.2.2, EXCEPTION

OCCUPANCY LOAD (IBC TABLE 1004.5)
ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED - 15 NET SF/OCCUPANT

4 LIFE SAFETY PLANS - FIRST FLOOR GAME ROOM- ALTERNATE #3

SCALE: 1/8" = 1'-0"



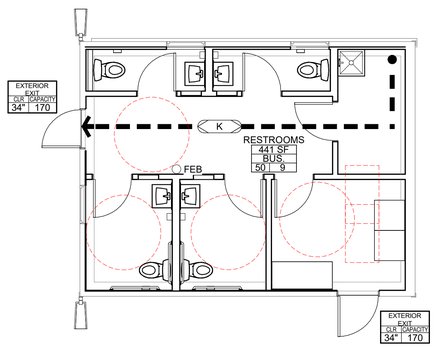
APPLICABLE CODE DATA PER BUILDING

BUILDING 6 - FAMILY CABIN - 1,733sf
IBC/ IEBC = ALTERATION - LEVEL 3
CONSTRUCTION TYPE: VB
PRIMARY OCCUPANCY: R1
SPRINKLERED - NFPA 13D

OCCUPANCY LOAD (IBC TABLE 1004.5)
RESIDENTIAL - 200 GROSS SF/OCCUPANT

2 LIFE SAFETY PLANS - FIRST FLOOR FAMILY CABIN - ALTERNATE #2

SCALE: 1/8" = 1'-0"



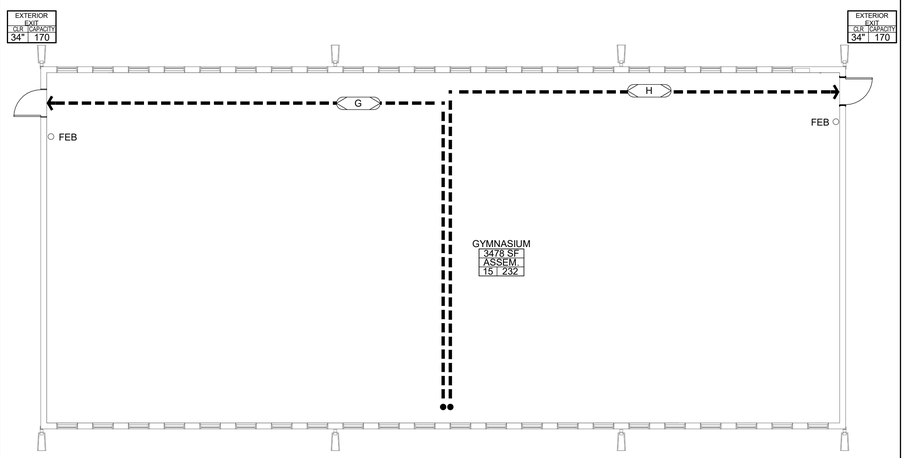
APPLICABLE CODE DATA PER BUILDING

BUILDING 3 - RESTROOM - 441sf
IBC/ IEBC = ALTERATION - LEVEL 3
CONSTRUCTION TYPE: VB
PRIMARY OCCUPANCY: B
NOT SPRINKLERED, IEBC 904.1.4, EXCEPTION

OCCUPANCY LOAD (IBC TABLE 1004.5)
LOCKER ROOMS (RESTROOM) - 50 GROSS SF/OCCUPANT

3 LIFE SAFETY PLANS - FIRST FLOOR RESTROOM

SCALE: 3/16" = 1'-0"



APPLICABLE CODE DATA PER BUILDING

BUILDING 5 - GYMNASIUM - 3,478sf
IEBC = ALTERATION - LEVEL 1
CONSTRUCTION TYPE: VB
PRIMARY OCCUPANCY: A2
NOT SPRINKLERED (EXISTING CONDITION)

OCCUPANCY LOAD (IBC TABLE 1004.5)
ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED - 15 NET SF/OCCUPANT

1 LIFE SAFETY PLANS - FIRST FLOOR GYMNASIUM

SCALE: 1/8" = 1'-0"

11/25/2025 5:00:44 PM

CODE INFORMATION

CURRENT RIVER STATE PARK
EMINENCE, MISSOURI

WORK DESCRIPTION
ADD CABINS & RENOVATE EXISTING BUILDINGS

APPLICABLE CODES
2021 INTERNATIONAL EXISTING BUILDING CODE
2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2021 INTERNATIONAL MECHANICAL CODE
2021 INTERNATIONAL FIRE CODE
2021 NATIONAL ELECTRIC CODE
2021 NFPA LIFE SAFETY CODE
2010 ACCESSIBILITY CODE
2014 MISSOURI PLUMBING CODE

R1 OCCUPANCY

BUILDING CONSTRUCTION AND OCCUPANCY

SEE APPLICABLE CODE DATA NOTED PER EACH BUILDING

BUILDING HEIGHT AND AREA

ALLOWABLE BUILDING HEIGHT (VB) (T 504.3; T 504.4):	3 STORIES	60 FEET
PROPOSED BUILDING HEIGHT:	EXISTING	EXISTING

FIRE RATING

PRIMARY STRUCTURAL FRAME (T 601)	0 HR
EXTERIOR BEARING WALLS (T 601)	0 HR
INTERIOR BEARING WALLS (T 601)	0 HR
EXTERIOR NON-BEARING WALLS (T 601)	0 HR
EXTERIOR NON-BEARING WALLS (T 601)	0 HR
FLOOR CONST/SECONDARY MEMBERS (T 601)	0 HR
ROOF CONST/SECONDARY MEMBERS (601)	0 HR
CORRIDOR (VB) (708.3 & T1020.2)	1/2 HR
FIRE SEPARATION AT A-2 OCCUPANCY (T 508.4)	1 HR
FIRE SEPARATION BETWEEN SLEEPING UNITS (708.3)	1/2 HR

EGRESS

EXIT TRAVEL DISTANCE (T 1017.2)		200 FT MAX
COMMON PATH OF TRAVEL (1030.8)		
< 50 OCCUPANTS		75 FT MAX
> 50 OCCUPANTS		30 FT MAX
DEAD END CORRIDORS (1020.5)		20 FT MAX
W/ SPRINKLER SYSTEM (EXCEPTION 2)		50 FT MAX
EGRESS CORRIDOR WIDTH (T 1020.3)		36" MIN
EGRESS DOOR WIDTH (1005.3.2)		0.2" x OCC LOAD
EGRESS STAIR WIDTH (1005.3.1)		0.3" x OCC LOAD

A2 OCCUPANCY

BUILDING CONSTRUCTION AND OCCUPANCY

SEE APPLICABLE CODE DATA NOTED PER EACH BUILDING

BUILDING HEIGHT AND AREA

ALLOWABLE BUILDING HEIGHT (VB) (T 504.3; T 504.4):	2 STORIES	60 FEET
PROPOSED BUILDING HEIGHT:	EXISTING	EXISTING

FIRE RATING

PRIMARY STRUCTURAL FRAME (T 601)	0 HR
EXTERIOR BEARING WALLS (T 601)	0 HR
INTERIOR BEARING WALLS (T 601)	0 HR
EXTERIOR NON-BEARING WALLS (T 601)	0 HR
EXTERIOR NON-BEARING WALLS (T 601)	0 HR
FLOOR CONST/SECONDARY MEMBERS (T 601)	0 HR
ROOF CONST/SECONDARY MEMBERS (T 601)	0 HR
CORRIDOR (VB) (708.3 & T1020.2)	1 HR
FIRE SEPARATION AT R-1 OCCUPANCY (T 508.4)	1 HR

EGRESS

EXIT TRAVEL DISTANCE (T 1017.2)		200 FT MAX
COMMON PATH OF TRAVEL (1030.8)		
< 50 OCCUPANTS		75 FT MAX
> 50 OCCUPANTS		30 FT MAX
DEAD END CORRIDORS (1020.5)		20 FT MAX
EGRESS CORRIDOR WIDTH (T 1020.3)		36" MIN
W/ OCCUPANT > 50		44" MIN
EGRESS DOOR WIDTH (1005.3.2)		0.2" x OCC LOAD
EGRESS STAIR WIDTH (1005.3.1)		0.3" x OCC LOAD

B OCCUPANCY

BUILDING CONSTRUCTION AND OCCUPANCY

SEE APPLICABLE CODE DATA NOTED PER EACH BUILDING

BUILDING HEIGHT AND AREA

ALLOWABLE BUILDING HEIGHT (VB) (T 504.3; T 504.4):	2 STORIES	60 FEET
PROPOSED BUILDING HEIGHT:	EXISTING	EXISTING

FIRE RATING

PRIMARY STRUCTURAL FRAME (T 601)	0 HR
EXTERIOR BEARING WALLS (T 601)	0 HR
INTERIOR BEARING WALLS (T 601)	0 HR
EXTERIOR NON-BEARING WALLS (T 601)	0 HR
EXTERIOR NON-BEARING WALLS (T 601)	0 HR
FLOOR CONST/SECONDARY MEMBERS (T 601)	0 HR
ROOF CONST/SECONDARY MEMBERS (T 601)	0 HR
CORRIDOR (VB) (708.3 & T1020.2)	1 HR

EGRESS

EXIT TRAVEL DISTANCE (T 1017.2)		200 FT MAX
COMMON PATH OF TRAVEL (1030.8)		
< 50 OCCUPANTS		75 FT MAX
> 50 OCCUPANTS		30 FT MAX
DEAD END CORRIDORS (1020.5)		20 FT MAX
EGRESS CORRIDOR WIDTH (T 1020.3)		36" MIN
EGRESS DOOR WIDTH (1005.3.2)		0.2" x OCC LOAD
EGRESS STAIR WIDTH (1005.3.1)		0.3" x OCC LOAD

LIFE SAFETY GENERAL NOTES

A. SEE CIVIL DRAWINGS FOR INFORMATION INCLUDING CONCRETE SIDEWALKS, CONCRETE PADS, AND PARKING CONFIGURATIONS. CIVIL BACKGROUND DRAWING INFORMATION IS FOR REFERENCE ONLY.

B. REFER TO ELECTRICAL DRAWINGS FOR FIRE ALARM NOTIFICATION AND EMERGENCY EGRESS LIGHTING LOCATIONS.

C. REFER TO PARTITION TYPES FOR FURTHER FIRE SEPARATION REQUIREMENTS.

D. ALL FIRE RATED ASSEMBLIES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH TESTED ASSEMBLIES INDICATED.

E. WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT

F. EXTEND FIRE RATED PARTITIONS, BARRIERS, AND OTHER SEPARATIONS TO BOTTOM OF ROOF/FLOOR DECK ABOVE (OR AS DIRECTED BY UL ASSEMBLY) AND TO EXTERIOR WALL. SEAL JOINT BETWEEN EDGES OF PARTITION WITH FIRE RATED SEALANT AND/OR INTUMESCENT ASSEMBLY.

G. ALL PENETRATIONS OF FIRE-RATED ASSEMBLIES SHALL BE FIRE-SEALED IN ACCORDANCE WITH APPROVED MANUFACTURER'S DETAIL FOR LOCATION, TYPE OF CONSTRUCTION, PENETRATING ITEM AND RATING REQUIRED.

H. ALL DUCTWORK, DIFFUSERS, GRILLES, LIGHT FIXTURES, AND ELECTRICAL DEVICES PENETRATING FIRE-RATED OR SMOKE RESISTANT WALLS, CEILINGS, AND FLOORS SHALL HAVE THE APPROPRIATE TYPE OF FIRE/SMOKE DAMPER IN ACCORDANCE WITH THE TYPE OF CONSTRUCTION BEING PENETRATED AND THE FIRE/SMOKE RATING REQUIRED. ASSEMBLIES SHALL BE UL-LISTED FOR INSTALLATION IN THE ASSEMBLY AND SHALL BE INSTALLED SUCH THAT THE FIRE/SMOKE RATING IS NOT COMPROMISED. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS THAT MAY NOT BE SHOWN HERE.

I. SMOKE RESISTANT CONSTRUCTION SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE CODES. AREA SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING AND BE OF CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE. THE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE UNDERSIDE OF THE FLOOR OR ROOF ASSEMBLY ABOVE. DOORS SHALL NOT HAVE AIR TRANSFER OPENINGS AND SHALL NOT BE UNDERCUT IN EXCESS OF CLEARANCE PERMITTED WITH ACCORDANCE TO NFPA 80.

LIFE SAFETY LEGEND

FIRE RATINGS

-----1/2FP----- 0.5 HOUR FIRE PARTITION WALL

-----1FP----- 1 HOUR FIRE PARTITION WALL

EGRESS

TRAVEL DISTANCE TO AN EXIT

XX EGRESS PATH TAG

EXIT IDENTIFICATION — EXTERIOR EXIT, CLR CAPACITY 0" 180 — EGRESS CAPACITY

EGRESS CLEAR WIDTH

CA CONTROLLED ACCESS - ALWAYS UNLOCKED IN DIRECTION OF EGRESS

DE DELAYED EGRESS

KB KNOX BOX

OCCUPANCY

Name / 150 SF / XXXX / 000 00 — OCCUPANCY USE NAME; OCCUPANCY USE AREA; OCCUPANCY TYPE; OCCUPANCY LOAD; OCCUPANCY LOAD FACTOR

MISCELLANEOUS

FEC FIRE EXTINGUISHER CABINET

FEB FIRE EXTINGUISHER BRACKET

F PULL STATION

EGRESS PATH G

PATH ID		LENGTH
G		78' - 4"
TOTAL PATH LENGTH		78' - 4"

EGRESS PATH H

PATH ID		LENGTH
H		78' - 9"
TOTAL PATH LENGTH		78' - 9"

EGRESS PATH J

PATH ID		LENGTH
J		58' - 4"
TOTAL PATH LENGTH		58' - 4"

EGRESS PATH K

PATH ID		LENGTH
K		28' - 2"
TOTAL PATH LENGTH		28' - 2"

EGRESS PATH L

PATH ID		LENGTH
L		41' - 3"
TOTAL PATH LENGTH		41' - 3"

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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Engineers | Architects | Surveyors | Scientists

OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT, DESIGN
AND CONSTRUCTION

DEPARTMENT OF NATURAL
RESOURCES DIVISION OF STATE
PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

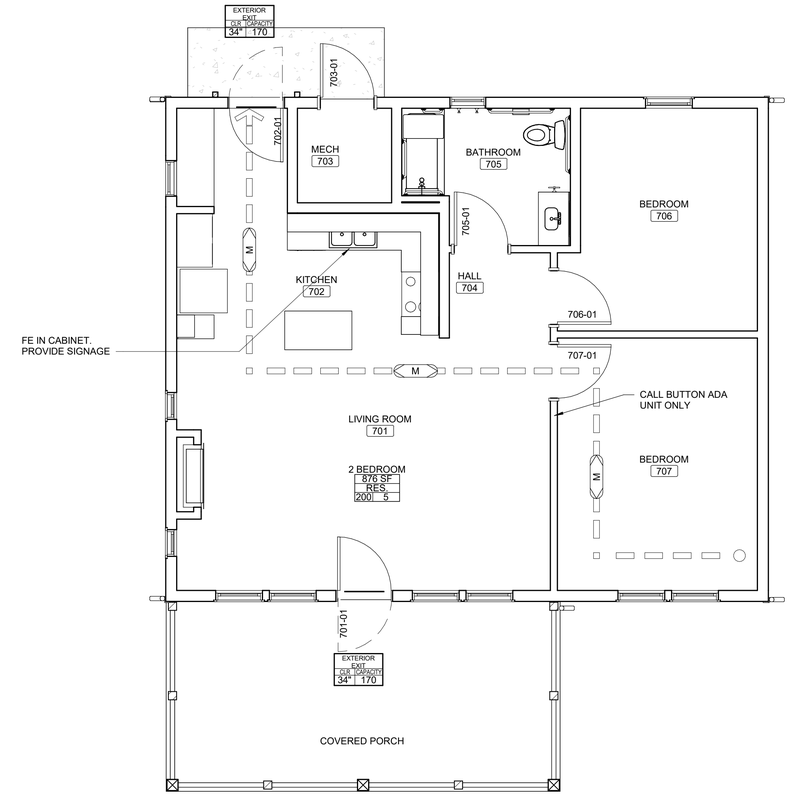
DRAWN BY: KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

LIFE SAFETY PLANS - FIRST FLOOR GYM, GAME ROOM, RESTROOM & FAMILY CABIN

SHEET NUMBER:

G-005



APPLICABLE CODE DATA PER BUILDING

NEW 2 BEDROOM CABINS - 937sf
IBC - NEW CONSTRUCTION
CONSTRUCTION TYPE: VB
PRIMARY OCCUPANCY: R1
SPRINKLERED - 13D

OCCUPANCY LOAD (IBC TABLE 1004.5)
RESIDENTIAL - 200 GROSS SF/OCCUPANT

1 **LIFE SAFETY PLAN - FIRST FLOOR TWO BEDROOM CABIN**
SCALE: 1/4" = 1'-0"

11/26/2025 4:12:40 PM

CODE INFORMATION

CURRENT RIVER STATE PARK
EMINENCE, MISSOURI

WORK DESCRIPTION
ADD CABINS & RENOVATE EXISTING BUILDINGS

APPLICABLE CODES
2021 INTERNATIONAL EXISTING BUILDING CODE
2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2021 INTERNATIONAL MECHANICAL CODE
2021 INTERNATIONAL FIRE CODE
2021 NATIONAL ELECTRIC CODE
2021 NFPA LIFE SAFETY CODE
2010 ACCESSIBILITY CODE
2014 MISSOURI PLUMBING CODE

R1 OCCUPANCY

BUILDING CONSTRUCTION AND OCCUPANCY

SEE APPLICABLE CODE DATA NOTED PER EACH BUILDING

BUILDING HEIGHT AND AREA

ALLOWABLE BUILDING HEIGHT (VB):	3 STORIES	60 FEET
PROPOSED BUILDING HEIGHT:	1 STORY	9 FEET

FIRE RATING

PRIMARY STRUCTURAL FRAME (T 601)	0 HR
EXTERIOR BEARING WALLS (T 601)	0 HR
INTERIOR BEARING WALLS (T 601)	0 HR
EXTERIOR NON-BEARING WALLS (T 601)	0 HR
EXTERIOR NON-BEARING WALLS (T 601)	0 HR
FLOOR CONST/SECONDARY MEMBERS (T 601)	0 HR
ROOF CONST/SECONDARY MEMBERS (601)	0 HR

EGRESS

EXIT TRAVEL DISTANCE (T 1017.2)		200 FT MAX
COMMON PATH OF TRAVEL (1030.8)		
< 50 OCCUPANTS		75 FT MAX
> 50 OCCUPANTS		30 FT MAX
DEAD END CORRIDORS W/ SPRINKLER SYSTEM (1020.5, EXCEPTION 2)		50 FT MAX
EGRESS CORRIDOR WIDTH (T 1020.3)		36" MIN
EGRESS DOOR WIDTH (1005.3.2)		0.2" x OCC LOAD
EGRESS STAIR WIDTH (1005.3.1)		0.3" x OCC LOAD

LIFE SAFETY GENERAL NOTES

A. SEE CIVIL DRAWINGS FOR INFORMATION INCLUDING CONCRETE SIDEWALKS, CONCRETE PADS, AND PARKING CONFIGURATIONS. CIVIL BACKGROUND DRAWING INFORMATION IS FOR REFERENCE ONLY.

B. REFER TO ELECTRICAL DRAWINGS FOR FIRE ALARM NOTIFICATION AND EMERGENCY EGRESS LIGHTING LOCATIONS.

C. REFER TO PARTITION TYPES FOR FURTHER FIRE SEPARATION REQUIREMENTS.

D. ALL FIRE RATED ASSEMBLIES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH TESTED ASSEMBLIES INDICATED.

E. WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT

F. EXTEND FIRE RATED PARTITIONS, BARRIERS, AND OTHER SEPARATIONS TO BOTTOM OF ROOF/FLOOR DECK ABOVE (OR AS DIRECTED BY UL ASSEMBLY) AND TO EXTERIOR WALL. SEAL JOINT BETWEEN EDGES OF PARTITION WITH FIRE RATED SEALANT AND/OR INTUMESCENT ASSEMBLY.

G. ALL PENETRATIONS OF FIRE-RATED ASSEMBLIES SHALL BE FIRE-SEALED IN ACCORDANCE WITH APPROVED MANUFACTURER'S DETAIL FOR LOCATION, TYPE OF CONSTRUCTION, PENETRATING ITEM AND RATING REQUIRED.

H. ALL DUCTWORK, DIFFUSERS, GRILLES, LIGHT FIXTURES, AND ELECTRICAL DEVICES PENETRATING FIRE-RATED OR SMOKE RESISTANT WALLS, CEILINGS, AND FLOORS SHALL HAVE THE APPROPRIATE TYPE OF FIRE/SMOKE DAMPER IN ACCORDANCE WITH THE TYPE OF CONSTRUCTION BEING PENETRATED AND THE FIRE/SMOKE RATING REQUIRED. ASSEMBLIES SHALL BE UL-LISTED FOR INSTALLATION IN THE ASSEMBLY AND SHALL BE INSTALLED SUCH THAT THE FIRE/SMOKE RATING IS NOT COMPROMISED. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS THAT MAY NOT BE SHOWN HERE.

I. SMOKE RESISTANT CONSTRUCTION SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE CODES. AREA SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING AND BE OF CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE. THE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE UNDERSIDE OF THE FLOOR OR ROOF ASSEMBLY ABOVE. DOORS SHALL BE SELF OR AUTOMATIC CLOSING. DOORS SHALL NOT HAVE AIR TRANSFER OPENINGS AND SHALL NOT BE UNDERCUT IN EXCESS OF CLEARANCE PERMITTED WITH ACCORDANCE TO NFPA 80.

LIFE SAFETY LEGEND

FIRE RATINGS

-----1/2FP----- 0.5 HOUR FIRE PARTITION WALL

-----1FP----- 1 HOUR FIRE PARTITION WALL

EGRESS

TRAVEL DISTANCE TO AN EXIT

XX — EGRESS PATH TAG

EXIT IDENTIFICATION

EGRESS CLEAR WIDTH

EXTERIOR EXIT CLR WIDTH/CAPACITY 0" 180 — EGRESS CAPACITY

CA — CONTROLLED ACCESS - ALWAYS UNLOCKED IN DIRECTION OF EGRESS

DE — DELAYED EGRESS

KB — KNOX BOX

OCCUPANCY

Name
150 SF
XXXX
000 00

OCCUPANCY USE NAME
OCCUPANCY USE AREA
OCCUPANCY TYPE
OCCUPANCY LOAD
OCCUPANCY LOAD FACTOR

MISCELLANEOUS

FEC — FIRE EXTINGUISHER CABINET

FEB — FIRE EXTINGUISHER BRACKET

F — PULL STATION

EGRESS PATH M

PATH ID		LENGTH
M		52'-5"
TOTAL PATH LENGTH		52'-5"

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☒
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☒
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☒
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☒
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☒
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

LIFE SAFETY PLANS - FIRST FLOOR TWO BEDROOM CABIN

SHEET NUMBER:

G-006

SHEET 7 of 219
ISSUE DATE 11/26/2025

SYMBOLS LEGEND

- EXISTING BUSH
- EXISTING DECIDUOUS TREE
- EXISTING EVERGREEN TREE
- EXISTING EVERGREEN BUSH
- EXISTING DECIDUOUS TREE TO BE REMOVED (UNDER SEPARATE CONTRACT)
- EXISTING EVERGREEN TREE TO BE REMOVED (UNDER SEPARATE CONTRACT)
- EXISTING IRON ROD
- EXISTING BORE HOLE
- EXISTING AREA LIGHT
- EXISTING SIGN
- EXISTING GUY WIRE
- EXISTING POWER POLE
- EXISTING POWER POLE W/ TRANSFORMER
- EXISTING TRANSFORMER
- EXISTING ELECTRIC MANHOLE

- 712.25 — NEW FINISH SPOT ELEVATION
- TC 712.25 — NEW TOP OF CURB ELEVATION
- BC 712.25 — NEW BOTTOM OF CURB ELEVATION
- TD 712.25 — NEW TOP OF ELEVATED DECK ELEVATION
- G 712.25 — NEW GUTTER ELEVATION
- TW 712.25 — NEW TOP OF WALK ELEVATION
- TOW 712.25 — NEW TOP OF WALL ELEVATION
- BOW 712.25 — NEW BOTTOM OF WALL ELEVATION
- (7) PARKING COUNT DESIGNATOR
- (3) NEW KEYED NOTE DESIGNATOR
- [5] DEMOLITION KEYED NOTE DESIGNATOR
- NEW SWALE LINE
- NEW RIP RAP
- NEW CONCRETE
- NEW GRAVEL

- (W) NEW WATER METER
- W NEW WATER WELL
- W NEW WATER VALVE BOX
- G NEW GAS METER
- T NEW TELEPHONE MANHOLE
- T NEW TELEPHONE DISTRIBUTION BOX
- E NEW ELECTRICAL MANHOLE
- E NEW TRANSFORMER

- NEW WATER VALVE
- NEW CURB STOP AND BOX
- NEW SIGN
- NEW INLET PROTECTION
- NEW DITCH CHECK
- NEW SILT FENCE ROCK OUTLET

LINE LEGEND

- EXIST 5' CONTOUR — 505 —
- EXIST 1' CONTOUR — 504 —
- EXIST STORM SEWER — ST —
- EXIST UG TELEPHONE LINE — T —
- EXIST OVERHEAD ELECTRIC — OE —
- EXIST UNDERGROUND ELECTRIC — E —
- EXIST TREE MASS
- FINISH 5' CONTOUR — 505 —
- FINISH 1' CONTOUR — 504 —
- SAWCUT LINE
- NEW STORM SEWER — ST —
- NEW SANITARY SEWER — SA —
- NEW GAS MAIN — G —
- NEW TELEPHONE SERVICE — FO —
- NEW OVERHEAD ELECTRIC — OE —
- NEW UNDERGROUND ELECTRICAL SERVICE — E —
- NEW WATER MAIN — W —
- EROSION CONTROL BARRIER
- TREE PROTECTION FENCE — TP —

ABBREVIATIONS

EX	EXISTING	ELEV	ELEVATION
TYP	TYPICAL	MB	MAILBOX
(REM) / TBR	TO BE REMOVED	FP	FLAG POLE
TR	TO REMAIN	FO	FIBER OPTIC
(REL) / TBREL	TO BE RELOCATED	DS	DOWNSPOUT
TBR&REL	TO BE REMOVED & RELOCATED	CO	CLEANOUT
ME	MATCH EXISTING	MH	MANHOLE
BM	BENCHMARK	SAN	SANITARY
COR	CORNER	ST	STORM
PB	PLAT BOOK	FL	FLOW LINE
DB	DEED BOOK	PVC	POLYVINYLCHLORIDE
PG	PAGE	CMP	CORRUGATED METAL PIPE
(S)	SURVEYED	RCP	REINFORCED CONCRETE PIPE
(R)	RECORD	UTIL	UTILITY
N	NORTH	STM	STEAM
S	SOUTH	UG	UNDERGROUND
E	EAST	M.E.	MATCH EXISTING
W	WEST	H.P.	HIGH POINT
SF	SQUARE FEET		
BLDG	BUILDING		
CONC	CONCRETE		

GENERAL NOTES

1. REFER TO SHEETS C-100 SERIES FOR INDIVIDUAL AREAS FOR GRADING, DRAINAGE, AND EROSION CONTROL.
   1.1. FOR AREA 1 SEE C-110 SERIES
   1.2. FOR AREA 2 SEE C-120 SERIES
   1.3. FOR AREA 3 SEE C-130 SERIES
   1.4. FOR AREA 4 SEE C-140 SERIES
2. REFER TO SHEETS C-200 SERIES FOR FORCE MAIN AND ROADWAY.
3. ALL EXISTING IMPROVEMENTS SHALL REMAIN UNLESS NOTED OTHERWISE ON SHEETS C-100 SERIES FOR INDIVIDUAL AREAS.
4. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.
5. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND DIMENSIONS OF EXIT PORCHES, RAMP, PATIOS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY ENTRANCE LOCATION.
6. THE CONTRACTOR SHALL KEEP ALL ACCESS ROADS FREE FROM MUD AND DEBRIS AT ALL TIMES.
7. THE CONTRACTOR SHALL SAWCUT ALL EDGES OF EXISTING PAVEMENT THAT IS TO BE REMOVED. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO CREATE A SMOOTH WORKING EDGE AND TO PLACE BACKFILL AND PAVEMENT SUCH THAT SETTLEMENT DOES NOT OCCUR.
8. REFERENCE LANDSCAPE PLANS FOR RESTORATION INFORMATION.
9. ALL LANDSCAPE AREAS SHALL BE ROUGH GRADED TO 6" BELOW TOP OF ALL WALKS AND CURBS. TOP SOIL TO BE ADDED TO THE LEVEL OF THE WALKS OR CURBS.
10. THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR CONTROLLING ALL SILTATION AND EROSION OF THE PROJECT AREA. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO CONTROL EROSION AND SILTATION INCLUDING BUT NOT LIMITED TO SILTATION FABRIC FENCES. CONTROL SHALL COMMENCE WITH NOTICE TO PROCEED AND BE MAINTAINED THROUGHOUT THE PROJECT UNTIL ACCEPTANCE OF THE WORK BY THE OWNER. THE CONTRACTOR'S RESPONSIBILITIES INCLUDE ALL DESIGN AND IMPLEMENTATION AS REQUIRED TO PREVENT EROSION AND THE DEPOSITING OF SILT. THE OWNER MAY AT THEIR OPTION DIRECT THE CONTRACTOR IN HIS METHODS AS DEEMED FIT TO PROTECT PROPERTY AND IMPROVEMENTS. ANY DEPOSITING OF SILT OR MUD ON NEW OR EXISTING PAVEMENT OR IN NEW OR EXISTING STORM SEWERS OR SWALES SHALL BE REMOVED AFTER EACH RAIN AND AFFECTED AREAS CLEANED TO THE SATISFACTION OF THE OWNER AND/OR MODOT.
11. REFER TO ARCHITECTURAL BUILDING PLANS AND SPECIFICATIONS FOR EARTHWORK AND COMPACTION REQUIREMENTS FOR ALL SLABS AND BUILDING FOUNDATIONS.
12. ALL EARTHWORK AND SITE PREPARATION SHALL BE DONE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE LATEST VERSION OF THE SUBSURFACE INVESTIGATION REPORTS PREPARED BY
    SCI ENGINEERING, INC.
    130 WEST POINT BOULEVARD
    ST. CHARLES, MISSOURI 63301
    V: (636) 949-8200
    -CURRENT RIVER STATE PARK CABINS AND LODGE EVALUATION, SCI NO. 2009-5071.13, APRIL 2023
13. FINISH SPOT ELEVATIONS AND CONTOURS ARE SHOWN TO TOP OF NEW PAVEMENT, WALKS, SOD, ETC.
14. FINISH SPOT ELEVATIONS AT THE FACE OF CURBS ARE SHOWN TO TOP OF NEW PAVEMENT AT THE GUTTER LINE UNLESS OTHERWISE NOTED.
15. **THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING A GEOTECHNICAL ENGINEER. ALL EARTHWORK, SITE PREPARATION AND TESTING SHALL BE DONE IN ACCORDANCE WITH RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. ALL TESTING SHALL BE AT THE EXPENSE OF THE CONTRACTOR. REQUIRED TEST, AFTER STAKE-OUT BUT PRIOR TO EARTHWORK, SHALL INCLUDE SOIL BEARING CAPACITY TEST, COMPACTION TEST, PLASTIC SOILS TEST AND BORED CORE SAMPLES AT CORNERS OF BUILDING (A MINIMUM OF 6 HOLES)**
16. STORMWATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINK HOLES ARE NOT ADEQUATE NATURAL DISCHARGE POINTS.
17. ALL EXISTING UNDERGROUND IMPROVEMENTS SHALL REMAIN UNLESS NOTED OTHERWISE.
18. BACKFILL ALL UTILITY TRENCHES UNDER PAVEMENT WITH GRANULAR MATERIAL. REFER TO CIVIL DETAIL SHEET C-505.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING TOPS AND FLOWLINES OF ALL EXISTING SEWERS PRIOR TO COMMENCING WORK.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND/OR ABANDONMENT OF ALL EXISTING UTILITY SERVICES (INCLUDING UTILITY COMPANY FEES)
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND CONNECTING ALL UTILITIES (INCLUDING, BUT NOT LIMITED TO POWER, CABLE TV, TELEPHONE, ETC.) FROM LOCAL UTILITY COMPANY SOURCE TO BUILDING.
22. CONTRACTOR TO VERIFY EXISTING ELEVATIONS AT ALL ENDS OF PIPES. CONTACT ENGINEER IF ANY DISCREPANCIES PRIOR TO STARTING.
23. ALL REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III UNLESS NOTED OTHERWISE
24. ALL POLYVINYLCHLORIDE PIPE (PVC) SHALL BE SDR 26 UNLESS NOTED OTHERWISE.
25. ALL HDPE PIPE SHALL BE AASHTO M-294 TYPE S UNLESS NOTED OTHERWISE.
26. INLET TOPS MUST MATCH SLOPE OF THE ADJOINING PAVEMENT.
27. ALL SEWERS SHALL BE INSTALLED WITH 3' MIN. COVER UNLESS NOTED OTHERWISE.
28. FOR SEWER PIPE (STORM AND SANITARY) WITH A DESIGN GRADE LESS THAN ONE PERCENT (1%), VERIFICATION OF THE PIPE GRADE WILL BE REQUIRED FOR EACH INSTALLED REACH OF SEWER, PRIOR TO ANY SURFACE RESTORATION OR INSTALLATION OF ANY SURFACE IMPROVEMENT. THE CONTRACTOR'S FIELD SUPERVISOR WILL BE REQUIRED TO PROVIDE DAILY DOCUMENTATION VERIFYING THAT THE AS-BUILT PIPE GRADE MEETS THE DESIGN GRADE THROUGH THE SUBMITTAL OF SIGNED CUT SHEETS TO THE ENGINEER UPON REQUEST.
29. FIELD SURVEYED VERIFICATION MUST BE MADE UNDER THE DIRECTION OF A LICENSED LAND SURVEYOR OR REGISTERED ENGINEER. THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND REPLACE ANY SEWER REACH HAVING AN AS-BUILT GRADE WHICH IS FLATTER THAN THE DESIGN GRADE BY MORE THAN 0.1%. SEWERS WITH GRADES GREATER THAN THE DESIGN SLOPE MAY BE LEFT IN PLACE, PROVIDED NO OTHER SEWER GRADE IS REDUCED BY THIS VARIANCE IN THE AS-BUILT GRADE.
30. TREES BEYOND THE LIMITS OF DISTURBANCE SHALL BE CONSIDERED WITHIN TREE PROTECTION ZONES.
31. CONTRACTOR TO CLEAN OUT ALL MUD, DEBRIS, SILTATION, ETC. THAT ACCUMULATES IN THE STORM SEWER PIPES CONSTRUCTED BY OTHERS UNDER SEPARATE CONTRACT, PRIOR TO SUBSTANTIAL COMPLETION.
32. CONTRACTOR TO REROCK ALL DISTURBED ROADS TO MATCH EXISTING ROCK TYPE AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED. REFER TO SPEC SECTION 321123.

GRADING, SILTATION, AND EROSION CONTROL NOTES

1. SEDIMENT SHALL BE WASHED FROM ALL VEHICLES PRIOR TO LEAVING SITE. NO TRACKING OF MUD ONTO CITY, COUNTY, OR STATE ROADS SHALL BE ALLOWED.
2. THE CONTRACTOR ONCE SELECTED WILL FURNISH THE COUNTY WITH A SKETCH SHOWING THE LOCATION OF THE CONSTRUCTION STAGING AREA AS WELL AS SEDIMENT EROSION CONTROL PHASING.
3. REFER TO SHEETS C-500 SERIES FOR SILTATION AND EROSION CONTROL DETAILS.
4. SEDIMENT AND EROSION CONTROL SHALL NOT BE LIMITED TO THE MEASURES SHOWN ON THE PLANS. THE CONTRACTOR, WITH THE APPROVAL OF THE OWNER, SHALL UTILIZE BEST MANAGEMENT PRACTICES TO PREVENT SEDIMENT FROM ENTERING ADJACENT PROPERTIES, ROADWAYS, STORM SEWERS, AND DRAINAGE WAYS.
5. ALL FILLED PLACES UNDER PROPOSED STORM AND SANITARY SEWER LINES AND/OR PAVED AREAS INCLUDING TRENCH BACKFILLS WITHIN AND OFF THE ROAD RIGHT-OF-WAY SHALL BE COMPACTED TO 90 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY THE "MODIFIED AASHTO T-180 COMPACTION TEST" (ASTM D-1557). ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS.
6. CONCRETE TRUCKS SHALL HAVE PROPER WASHOUTS LOCATED AT CONSTRUCTION ENTRANCES AND AS APPROVED BY THE OWNER. COUNTY AND STATE ROADS SHALL BE CLEANED AND KEPT CLEAR OF MUD, SEDIMENT, AND ANY OTHER DEBRIS AT ALL TIMES THROUGHOUT CONSTRUCTION.
7. ALL ON-SITE TRASH, LITTER, DISCARDED BUILDING MATERIALS, OTHER CONSTRUCTION SITE WASTES, AND DEBRIS, EITHER EXISTING OR FROM CONSTRUCTION, MUST BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE.
8. CONTRACTOR SHALL PROVIDE SUFFICIENT TEMPORARY TOILET FACILITIES TO SERVE THE NUMBER OF WORKERS ON THE SITE.
9. CONTRACTOR SHALL PROVIDE THE OWNER INFORMATION CONCERNING STORAGE AND HANDLING OF ALL HAZARDOUS AND TOXIC SUBSTANCES BROUGHT ONTO THE SITE. THE CONTRACTOR WILL ADHERE TO APPLICABLE FEDERAL AND STATE REGULATIONS CONCERNING STORAGE AND DISPENSERS, SPILL PREVENTION CONTROL, AND COUNTERMEASURE PLANS FOR CLEAN-UP.
10. SOFT SOILS IN THE BOTTOM AND BANKS OF ANY EXISTING OR FORMER POND SITES OR TRIBUTARIES OR ANY SEDIMENT BASINS, TRAPS, OR OTHER ESC MEASURES SHOULD BE REMOVED, SPREAD OUT AND PERMITTED TO DRY SUFFICIENTLY TO BE USED AS FILL. NONE OF THIS MATERIAL SHOULD BE PLACED IN PROPOSED PUBLIC RIGHT-OF-WAY LOCATIONS OR ON ANY STORM SEWER LOCATION. ANY OTHER WET SOILS THAT ARE OUTSIDE THE OPTIMUM MOISTURE RANGE TO OBTAIN THE PROPER COMPACTION SHALL BE AIR DRIED SUFFICIENTLY BEFORE USE AS FILL.
11. THE ENGINEER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CLEARING, GRADING, AND/OR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR AN INSPECTION OF THE SITE.
12. ALL EXCAVATIONS, GRADING, OR FILLING SHALL HAVE A FINISHED GRADE NOT TO EXCEED A 3:1 SLOPE (33%).
13. TEMPORARY SILTATION CONTROL MEASURES (STRUCTURAL) SHALL BE MAINTAINED UNTIL VEGETATIVE COVER IS ESTABLISHED AT A DENSITY SUFFICIENT TO PROVIDE EROSION CONTROL ON THE SITE.
14. CONTRACTOR SHALL PROVIDE DUST CONTROL.
15. UPON COMPLETION OF STORM SEWERS, SILTATION CONTROL SHALL BE PROVIDED AROUND ALL OPEN SEWER INLETS AND SHALL REMAIN UNTIL THE DISTURBED DRAINAGE AREAS HAVE BEEN PROPERLY STABILIZED.
16. WHERE NATURAL VEGETATION IS REMOVED DURING GRADING, VEGETATION SHALL BE RE-ESTABLISHED IN SUCH A DENSITY AS TO PREVENT EROSION. REFER TO SPEC SECTION 329200 FOR DENSITY REQUIREMENTS.
17. TEMPORARY VEGETATION OR OTHER APPROVED SURFACE STABILIZATION METHODS SHALL BE ESTABLISHED WITHIN 14 DAYS WHEN THE SOIL DISTURBANCE HAS CEASED ON AREAS GREATER THAN 2,000 SQ. FT.
18. PERMANENT GRASS MUST BE ESTABLISHED AT A DENSITY SUFFICIENT TO PROVIDE EROSION CONTROL ON THE SITE WITHIN 30 DAYS OF THE COMPLETION OR SUSPENSION OF GRADING OPERATIONS.
19. WHEN GRADING OPERATIONS ARE COMPLETED OR SUSPENDED FOR MORE THAN 30 DAYS, PERMANENT GRASS MUST BE ESTABLISHED AT SUFFICIENT DENSITY TO PROVIDE EROSION CONTROL ON THE SITE. BETWEEN PERMANENT GRASS SEEDING PERIODS, TEMPORARY COVER SHALL BE PROVIDED. ALL FINISHED GRADES (AREAS NOT TO BE DISTURBED BY FUTURE IMPROVEMENT) IN EXCESS OF 20% SLOPES (5:1) SHALL BE MULCHED AND TACKED AT THE RATE OF 100 POUNDS PER 1,000 SQUARE FEET WHEN SEEDED.
20. ALL EARTHWORK AND GRADING SHALL BE DONE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE LATEST VERSION OF THE SUBSURFACE INVESTIGATION REPORT PREPARED BY SCI.

TREE PROTECTION NOTES

1. ONCE TREE CLEARING LINES HAVE BEEN ESTABLISHED IN THE FIELD DO NOT CROSS OVER AND DAMAGE ANY EXISTING TREES TO REMAIN.
2. ONCE TREE CLEARING LINES HAVE BEEN ESTABLISHED IN THE FIELD WALK THE LINES WITH THE OWNER TO IDENTIFY TREES THAT SHOULD STAY OR BE CUT DOWN WITHIN THE IMMEDIATE AREA OF THE CLEARING LINE. ALSO IDENTIFY TREES BEYOND THE CLEARING LINE THAT HAVE CANOPIES REACHING INTO THE CLEARING AREA AND IDENTIFY ROOT ZONES THAT SHOULD BE MINIMIZED FOR DISTURBANCE.
3. FOR EXISTING TREE CANOPIES TO REMAIN ALONG THE CLEARING LINE MINIMIZE THE DISTURBANCE TO THE EXISTING ROOT AREA BELOW THE DRIP LINE.
4. DO NOT CUT OR FILL WITHIN THE DRIP LINE OF ANY EXISTING TREES TO REMAIN.
5. IF ANY EXISTING TREES TO REMAIN SHOULD HAVE THEIR ROOTS EXPOSED DURING THE CLEARING OPERATION, CUT THE ROOT CLEANLY BEYOND THE POINT OF DAMAGE AND COVER THE CUT WITH EXISTING SOIL.

WATER MAIN NOTES

1. WATER MAINS 4 INCHES AND LARGER SHALL BE PVC AWWA C900, CLASS 200, WITH GASKETED BELL AND OR COUPLINGS USING SPLINED ROOTS TO PROVIDE RESTRAINING JOINT, DUCTILE IRON FITTINGS SHALL BE DUCTILE IRON RETAINER GLANDS SUCH AS MEGA-LUG OR APPROVED EQUAL REFER TO SPECIFICATIONS FOR WATER LINES ON SHEET C3-SPEC-1. WATER MAINS AND SERVICES LESS THAN 4 INCH DIAMETER SHALL BE HDPE DR-11, DIPS PER AWWA C901/C906.
2. CONTRACTOR SHALL SATISFACTORILY DISINFECT ALL WATER MAINS PRIOR TO USE IN ACCORDANCE WITH THE REQUIREMENTS OF AWWA C651-99. AT LEAST ONE SET OF SAMPLES SHALL BE COLLECTED FROM EVERY 1,200 FEET OF NEW WATER MAIN, PLUS ONE SET FROM THE END OF THE LINE, AND AT LEAST ONE SET FROM EACH BRANCH. SATISFACTORY DISINFECTION SHALL BE DEMONSTRATED IN ACCORDANCE WITH LOCAL REGULATIONS. CONTRACTOR SHALL FURNISH AND INSTALL CORPORATION STOPS AT REQUIRED SAMPLING INTERVALS.
3. ALL WATER DISTRIBUTION SYSTEM IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE LATEST WATER DISTRIBUTION SYSTEM SPECIFICATIONS AND SANITARY SEWER COLLECTION SYSTEM SPECIFICATIONS OF THE STANDARDS FOR NON COMMUNITY PUBLIC WATER SUPPLIES (1982) AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS INCLUDING THE MISSOURI DEPARTMENT OF NATURAL RESOURCES.
4. MAINTAIN A MINIMUM COVER OF 42" ON ALL WATER MAINS AND SERVICE LINES.
5. VALIDATE SOIL AND GROUNDWATER CONDITIONS AND DEVELOP PROPER MEANS AND METHODS FOR INSTALLATION.
6. MAINTAIN SEPARATION BETWEEN WATER LINES AND SEWER LINES AS STATED IN THE STANDARDS FOR NON COMMUNITY PUBLIC WATER SUPPLIES (1982) SECTION 6.6. AND MDNR REQUIREMENTS,
7. EXISTING UTILITIES SHOWN HEREON ARE FROM INFORMATION PROVIDED BY UTILITY COMPANIES AND MUST BE CONSIDERED AS APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION PRIOR TO COMMENCING WORK AT THE COST OF THE CONTRACTOR.

SANITARY SEWER NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE MISSOURI DEPARTMENT OF NATURAL RESOURCES.
2. CONTRACTOR TO MAINTAIN A MINIMUM COVER OF 3 FEET ON ALL SEWER MAINS AND SERVICE LINES.
3. MAINTAIN A MINIMUM OF 18" SEPARATION BETWEEN SEWER AND WATER CROSSINGS, ROUTE WATER ABOVE SANITARY WHERE SUFFICIENT GRADES EXIST. WHERE NECESSARY TO CROSS BELOW SANITARY SEWER PROVIDE 18" SEPARATION AND CASING PIPE ON THE WATER LINE.
4. SANITARY SEWER PIPE SHALL BE ASTM D-3034 STANDARD SPECIFICATIONS FOR THE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, SDR35 AND POLYVINYL CHLORIDE (PVC) LARGE DIAMETER PLASTIC GRAVITY SEWER PIPE AND FITTINGS, ASTM F679. PVC PIPE CONFORMING TO ASTM F794 "POLY (VINYL CHLORIDE) (PVC) PROFILE GRAVITY PIPE AND FITTINGS BASED ON CONTROLLED INSIDE DIAMETER OPEN PROFILE (OP) ONLY AND TO ASTM F1803 CLOSED PROFILE GRAVITY PIPE AND FITTINGS BASED ON CONTROLLED INSIDE DIAMETER WILL BE ALLOWED. ALL PIPE SHALL BE SERIES 46 WITH A MINIMUM WATERWAY WALL OF 0.095". FITTINGS FOR PVC PIPE SHALL BE OF THE SAME MATERIAL AND STRENGTH REQUIREMENTS AS THE SEWER, AS WELL AS MONOLITHIC IN CONSTRUCTION, UNLESS APPROVED OTHERWISE IN WRITING. CARE SHALL BE TAKEN TO ASSURE THAT NO PVC PIPE BE INSTALLED TO REMAIN EXPOSED TO SUNLIGHT OR ANY OTHER CONDITIONS THAT WILL ALLOW IT TO DETERIORATE.
5. PROVIDE PIPE FITTINGS AS NECESSARY.

CLEARING AND GRUBBING

1. REMOVE OBSTRUCTIONS, TREES, SHRUBS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION.
   1.1. REMOVE STUMPS AND ROOTS LARGER THAN 3 INCHES IN DIAMETER, OBSTRUCTIONS, AND DEBRIS TO A DEPTH OF 24 INCHES BELOW EXPOSED SUBGRADE.
   1.2. UNITED STATES FISH AND WILDLIFE SERVICES (USFWS) REQUIRES THAT ALL TREES MUST BE DOWNED BETWEEN OCTOBER 31ST AND MARCH 31ST. TO COMPLY WITH THE REGULATION, ALL TREES MUST BE AT A MINIMUM DOWNED AND ON THE GROUND ON OR BEFORE MARCH 31. TREES THAT HAVE BEEN DOWNED SHALL BE REMOVED FROM THE SITE NO LATER MAY 31ST.
2. CLEARING AND GRUBBING WITHIN PROTECTION ZONES FOR FUTURE WASTEWATER ABSORPTION FIELD
   2.1. ALL WORK SHALL BE DONE IN A MANNER TO LIMIT DISTURBANCE TO THE SOIL STRUCTURE.
   2.2. MOTORIZED VEHICLES SHALL NOT BE DRIVEN WITHIN ANY AREA NOTED AS A PROTECTION ZONE.
   2.3. THE FOLLOWING SHALL BE REMOVED FROM PROTECTION ZONE: TREES, SHRUBS, AND OTHER VEGETATION AS DIRECTED BELOW.
      2.3.1. STUMPS AND ROOTS TO BE LEFT INTACT, DO NOT REMOVE.
      2.3.2. ALL TREES AND VEGETATION TO BE REMOVED FROM AREA. ALL TREES SHALL BE PULLED BY CABLE OR CHAIN TO AREA OUTSIDE OF PROTECTION ZONE.
      2.3.3. USE ONLY HAND METHODS OR AIR SPADE FOR GRUBBING WITHIN PROTECTION ZONE.
   2.4. ALTERNATIVES TO CLEARING AND GRUBBING WITHIN THE PROTECTION ZONE MUST BE APPROVED BY ENGINEER.
3. MATERIALS TO BE SALVAGED AND STOCKPILED.
   3.1. DO NOT REMOVE TREES, SHRUBS, AND OTHER VEGETATION INDICATED TO REMAIN.
   3.2. PRIOR TO START OF CONSTRUCTION, OWNER TO DENOTE TREES TO BE SALVAGED .
   3.3. PRIOR TO START OF CONSTRUCTION, OWNER TO DENOTE STOCKPILE LOCATION FOR SALVAGED MATERIALS.
   3.4. CHIP REMOVED TREE BRANCHES AND LEGALLY DISPOSE OF OFF-SITE.
      3.4.1. PARKS TO DIRECT VOLUME OF CHIPS TO SAVE AND STOCKPILE LOCATION.
4. DISPOSAL OF SURPLUS AND WASTE MATERIALS
   4.1. REMOVE DEMOLISHED MATERIALS AND WASTE MATERIALS INCLUDING TRASH AND DEBRIS. CONTRACTOR RESPONSIBLE TO LEGALLY DISPOSE OF SUCH MATERIALS OFF OF OWNERS PROPERTY.
   4.2. SUPERVISED BURNING OF TREES, SHRUB, AND OTHER VEGETATION WASTE WILL BE PERMITTED ONSITE. CONTRACTOR TO COORDINATE WITH PARKS ON LOCATION AND TIMING PRIOR TO ANY BURNING ACTIVITIES.
   4.3. CHIP REMOVED TREE BRANCHES AND LEGALLY DISPOSE OF OFF-SITE OR PLACE AS DIRECTED BY PARKS.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
KEVIN N. HANNEL
NUMBER PE-2009012870
PROFESSIONAL ENGINEER

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

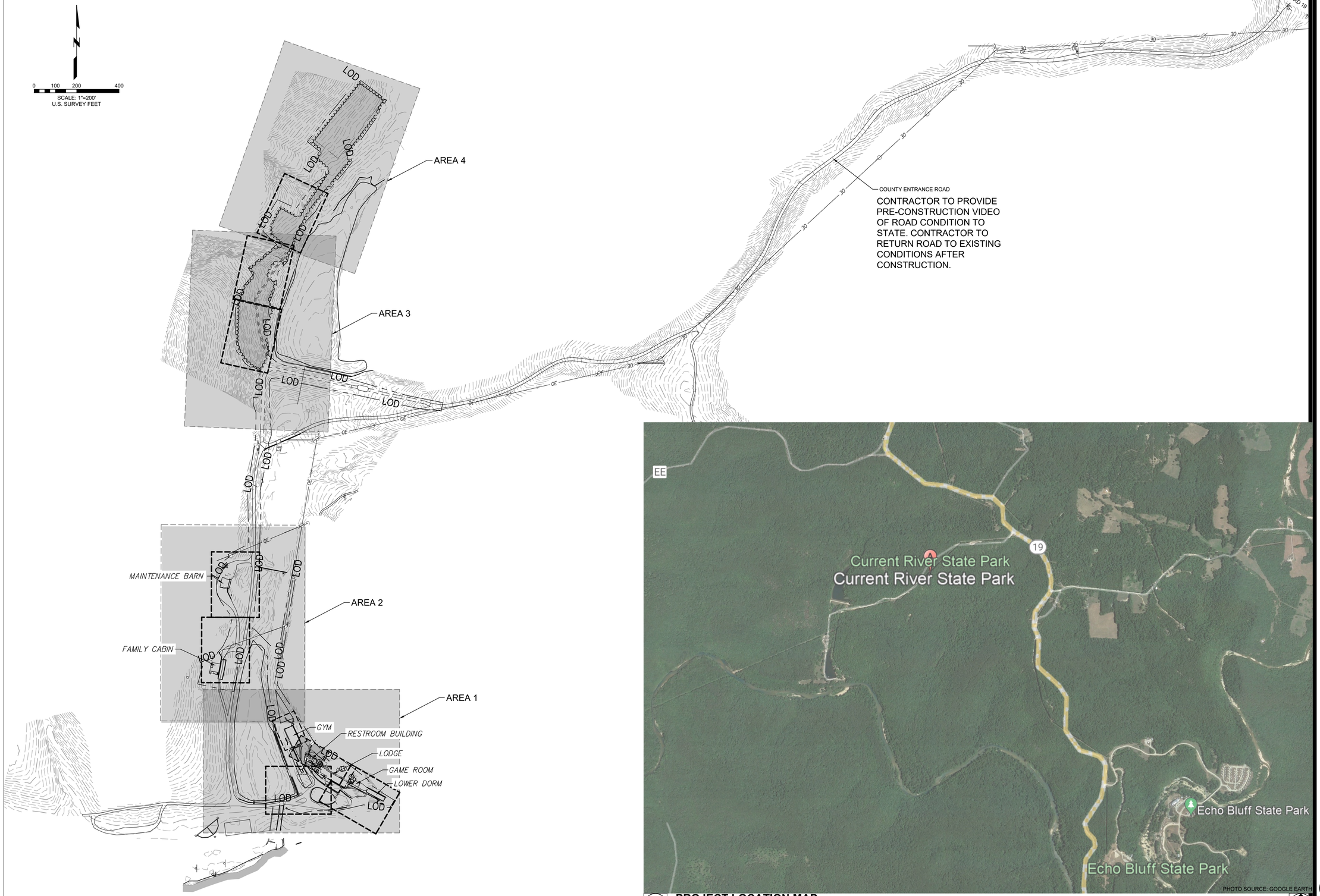
Lodge	7815232001	C	2B/Cabin C	7815232004	C
Lower Dorm	7815232010	C	2B/Cabin D	7815232005	C
Gymnasium	7815232011	C	2B/Cabin E	7815232006	C
Game Room	7815232012	C	2B/Cabin F	7815232007	C
Family Cabin	7815232013	C	2B/Cabin G	7815232008	C
RR Building	7815232014	C	2B/Cabin H	7815232009	C

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
C-001



1 **OVERALL SITE**
SCALE: 1" = 200'

PHOTO SOURCE: GOOGLE EARTH

2 **PROJECT LOCATION MAP**
SCALE: NOT TO SCALE

NORTH

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
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Lower Dorm	7815232010	O	(2B)Cabin D	7815232005	O
Gymnasium	7815232011	O	(2B)Cabin E	7815232006	O
Game Room	7815232012	O	(2B)Cabin F	7815232007	O
Family Cabin	7815232013	O	(2B)Cabin G	7815232008	O
RR Building	7815232014	O	(2B)Cabin H	7815232009	O

REVISION:
DATE:
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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
OVERALL SITE

SHEET NUMBER:
C-101



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Lower Dorm	7815232010	☑	2BUCabin D	☐	7815232005	☐	
Gymnasium	7815232011	☑	2BUCabin E	☐	7815232006	☐	
Game Room	7815232012	☑	2BUCabin F	☐	7815232007	☐	
Family Cabin	7815232013	☑	2BUCabin G	☐	7815232008	☐	
RR Building	7815232014	☑	2BUCabin H	☐	7815232009	☐	

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ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

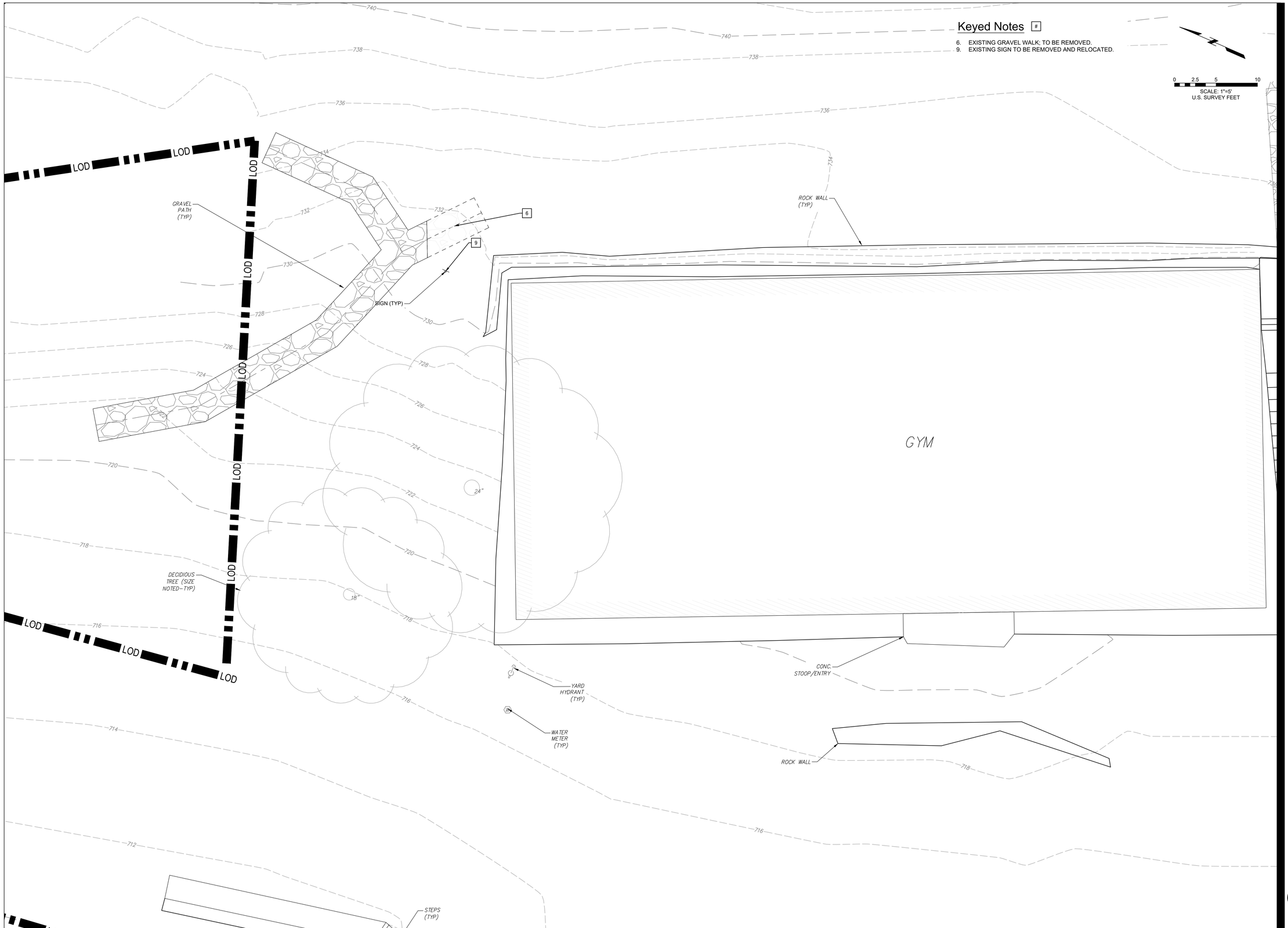
AREA 1 EXISTING CONDITION & DEMOLITION PLAN

SHEET NUMBER:

C-111

SHEET 10 of 219
ISSUE DATE 11/26/2025

FGI PROJECT NO. 0211627.00



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Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

REVISION:
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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

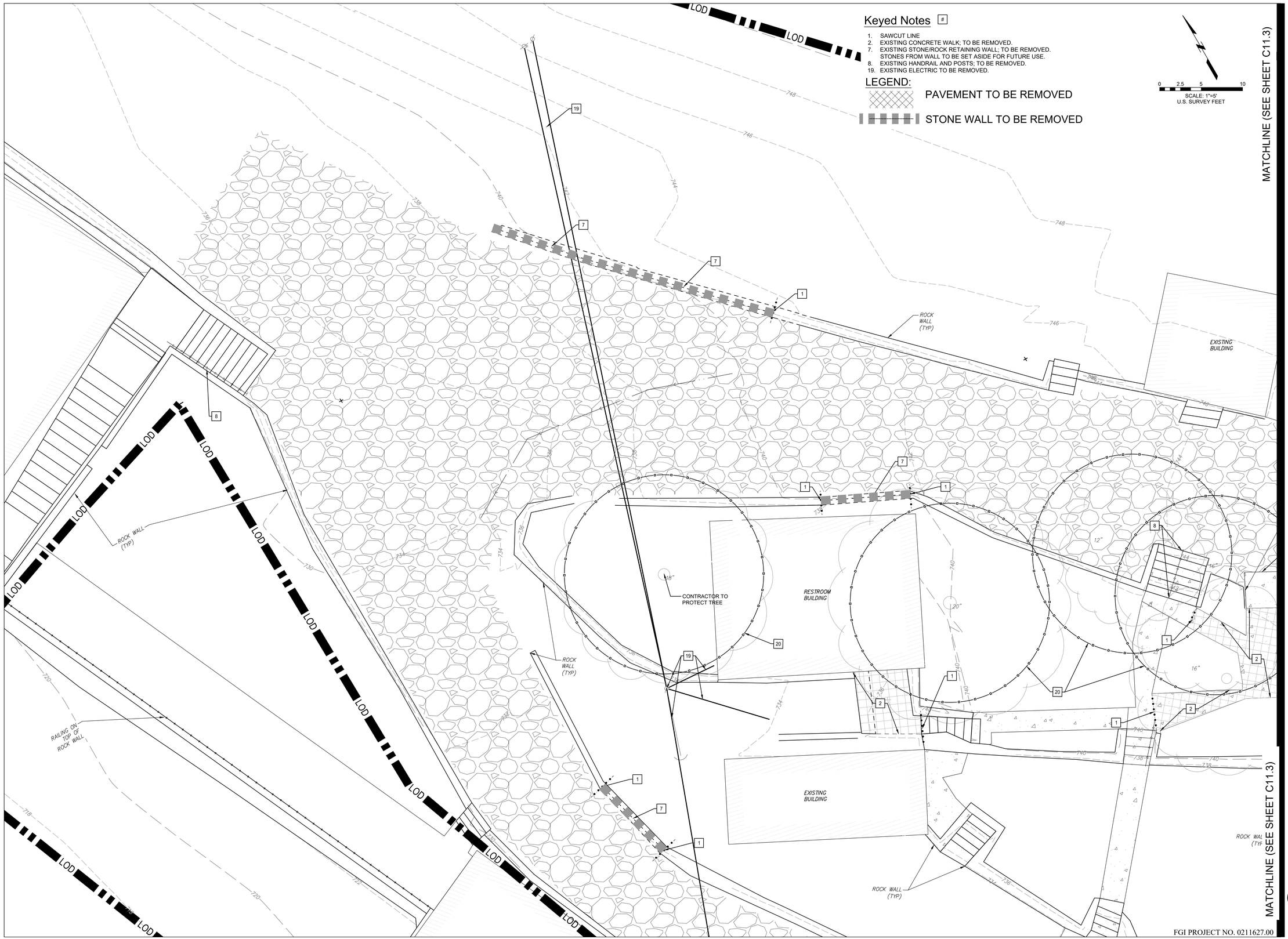
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 1 - GYM EXISTING CONDITION & DEMOLITION PLAN

SHEET NUMBER:

C-111.1



FGI PROJECT NO. 0211627.00

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Lodge	7815232001	☐	2BiCabin C	7815232004	☐
Lower Dorm	7815232010	☐	2BiCabin D	7815232005	☐
Gymnasium	7815232011	☐	2BiCabin E	7815232006	☐
Game Room	7815232012	☐	2BiCabin F	7815232007	☐
Family Cabin	7815232013	☐	2BiCabin G	7815232008	☐
RR Building	7815232014	☐	2BiCabin H	7815232009	☐

REVISION:
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DATE:
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DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 1 - RESTROOM EXISTING CONDITION & DEMOLITION PLAN

SHEET NUMBER:

C-111.2

Keyed Notes [#]

2. EXISTING CONCRETE WALK; TO BE REMOVED.
3. EXISTING CONCRETE STAIRS; TO BE REMOVED.
7. EXISTING STONE/ROCK RETAINING WALL; TO BE REMOVED. STONES FROM WALL TO BE SET ASIDE FOR FUTURE USE. STALAGMITES TO BE REMOVED BY CONTRACTOR UNDER STATE SUPERVISION AND SALVAGED FOR LATER USE.
8. EXISTING HANDRAIL AND POSTS; TO BE REMOVED.
10. EXISTING TREE; TO BE REMOVED.
11. EXISTING AC UNIT; TO BE REMOVED AND EXISTING BUILDING CONNECTIONS TO BE CAPPED PER MECHANICAL/PLUMBING PLANS.
13. EXISTING PROPANE TANK; TO BE REPLACED. CONTRACTOR TO COORDINATE WITH OWNER & SUPPLIER.
16. CONTRACTOR TO LOCATE EXISTING BUILDING SERVICES. CUT AND CAP FOR NEW SERVICE. COORDINATE WITH MEP PLANS.
20. TREE PROTECTION FENCE (REFER TO 1/C.501)

SCALE: 1"=5'
U.S. SURVEY FEET

LEGEND:

PAVEMENT TO BE REMOVED

STONE WALL TO BE REMOVED

LOD

MATCHLINE (SEE SHEET C111.2)

MATCHLINE (SEE SHEET C111.4)

PROPANE TANK

CONC PAD W/ BELL ON METAL TOWER

PROTECT EXISTING DINNER BELL AND CONCRETE PEDESTAL

EXISTING HISTORIC CONCRETE STRUCTURE TO BE PROTECTED BY CONTRACTOR.

PROTECT EXISTING HISTORIC CONCRETE STRUCTURE

EX BLDG.

EXISTING EXTERIOR DOOR TO BE CLOSED; SEE ARCHITECTURAL PLANS FOR MORE INFORMATION.

DECIDIOUS TREE (SIZE NOTED–TYP)

ROCK WALL (TYP)

CONC STEP TO ELEV LANDING (TYP)

WOODEN DECK

LODGE

HGI PROJECT NO. 0211627.00

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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☒	2BUCabin C	7815232004	☐
Lower Dorm	7815232010	☐	2BUCabin D	7815232005	☐
Gymnasium	7815232011	☐	2BUCabin E	7815232006	☐
Game Room	7815232012	☐	2BUCabin F	7815232007	☐
Family Cabin	7815232013	☐	2BUCabin G	7815232008	☐
RR Building	7815232014	☐	2BUCabin H	7815232009	☐

REVISION:
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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

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DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

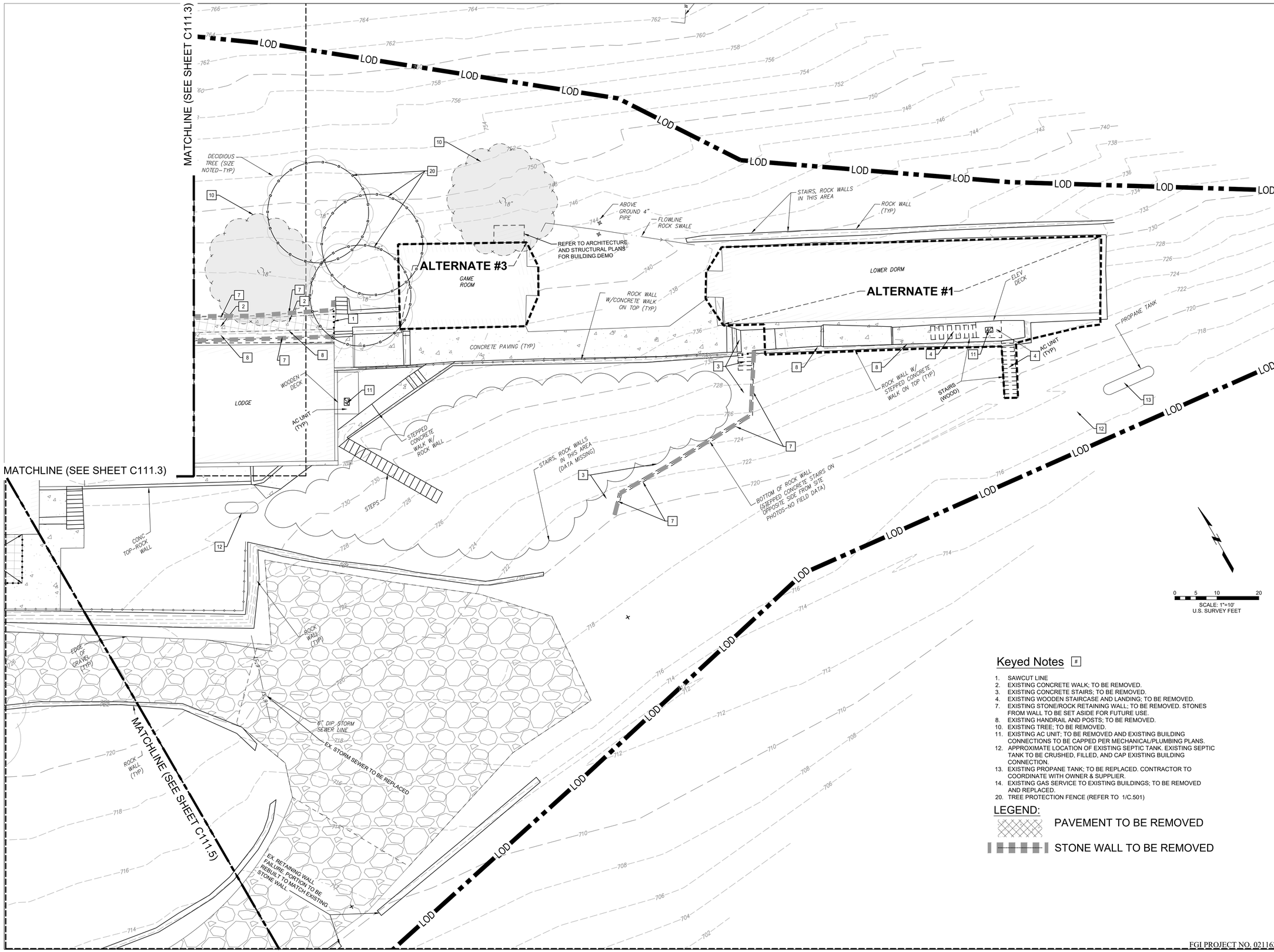
SHEET TITLE:

AREA 1 - LODGE EXISTING CONDITION & DEMOLITION PLAN

SHEET NUMBER:

C-111.3

SHEET 13 of 219
ISSUE DATE 11/26/2025



Keyed Notes

1. SAWCUT LINE
2. EXISTING CONCRETE WALK; TO BE REMOVED.
3. EXISTING CONCRETE STAIRS; TO BE REMOVED.
4. EXISTING WOODEN STAIRCASE AND LANDING; TO BE REMOVED.
7. EXISTING STONE/ROCK RETAINING WALL; TO BE REMOVED. STONES FROM WALL TO BE SET ASIDE FOR FUTURE USE.
8. EXISTING HANDRAIL AND POSTS; TO BE REMOVED.
10. EXISTING TREE; TO BE REMOVED.
11. EXISTING AC UNIT; TO BE REMOVED AND EXISTING BUILDING CONNECTIONS TO BE CAPPED PER MECHANICAL/PLUMBING PLANS.
12. APPROXIMATE LOCATION OF EXISTING SEPTIC TANK. EXISTING SEPTIC TANK TO BE CRUSHED, FILLED, AND CAP EXISTING BUILDING CONNECTION.
13. EXISTING PROPANE TANK; TO BE REPLACED. CONTRACTOR TO COORDINATE WITH OWNER & SUPPLIER.
14. EXISTING GAS SERVICE TO EXISTING BUILDINGS; TO BE REMOVED AND REPLACED.
20. TREE PROTECTION FENCE (REFER TO 1/C.501)

LEGEND:

PAVEMENT TO BE REMOVED

STONE WALL TO BE REMOVED

FGI PROJECT NO. 0211627.00

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☒	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
AREA 1 - LOWER DORM & GAMEROOM EXISTING CONDITION & DEMOLITION PLAN

SHEET NUMBER:
C-111.4

Keyed Notes [#]

1. SAWCUT LINE
2. EXISTING CONCRETE WALK: TO BE REMOVED.
7. EXISTING STONE/ROCK RETAINING WALL; TO BE REMOVED. STONES FROM WALL TO BE SET ASIDE FOR FUTURE USE.
8. EXISTING HANDRAIL AND POSTS; TO BE REMOVED.
11. EXISTING AC UNIT; TO BE REMOVED AND EXISTING BUILDING CONNECTIONS TO BE CAPPED PER MECHANICAL/PLUMBING PLANS.
20. TREE PROTECTION FENCE (REFER TO 1/C.501)

LEGEND:

PAVEMENT TO BE REMOVED

STONE WALL TO BE REMOVED

0 5 10 20
SCALE: 1"=10'
U.S. SURVEY FEET

LOD

EXISTING STONE TO BE REMOVED UNDER SEPARATE CONTRACT

CONTRACTOR TO PROTECT EXISTING SPILLWAY AND BRIDGE FROM ALL CONSTRUCTION TRAFFIC, IF DAMAGED CONTRACTOR TO NOTIFY STATE AND REPAIR AT OWN EXPENSE.

EX. CONCRETE SIDEWALK AND STAIRS.TO BE REMOVED AND REPLACED AS NEEDED FOR NEW UTILITY ROUTES.

CONC. WALK (TYP.)

STAIRS, ROCK WALLS IN THIS AREA (DATA MISSING)

CONC PAD (TYP)

ROCK WALL

STEPS (TYP)

CONCRETE PAVING (TYP)

CONC STEP TO ELEV LANDING (TYP)

AC UNIT (TYP)

PROTECT EXISTING HISTORIC CONCRETE STRUCTURE

EDGE OF GRAVEL (TYP)

XFF=722.50

FF=741.78

FF=742.37

FF=741.38

FF=733.02

STATE OF MISSOURI
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☑	12B\Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	12B\Cabin D	7815232005	☐
Gymnasium	7815232011	☐	12B\Cabin E	7815232006	☐
Game Room	7815232012	☐	12B\Cabin F	7815232007	☐
Family Cabin	7815232013	☐	12B\Cabin G	7815232008	☐
RR Building	7815232014	☐	12B\Cabin H	7815232009	☐

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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 1 - CIRCLE DRIVE EXISTING CONDITION & DEMOLITION PLAN

SHEET NUMBER:

C-111.5

SHEET 15 of 219
ISSUE DATE 11/26/2025

FGI PROJECT NO. 0211627.00



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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	2BI/Cabin C	7815232004		
Lower Dorm	7815232010	2BI/Cabin D	7815232005		
Gymnasium	7815232011	2BI/Cabin E	7815232006		
Game Room	7815232012	2BI/Cabin F	7815232007		
Family Cabin	7815232013	2BI/Cabin G	7815232008		
RR Building	7815232014	2BI/Cabin H	7815232009		

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ISSUE DATE: 06/02/2025

CAD DWG FILE:
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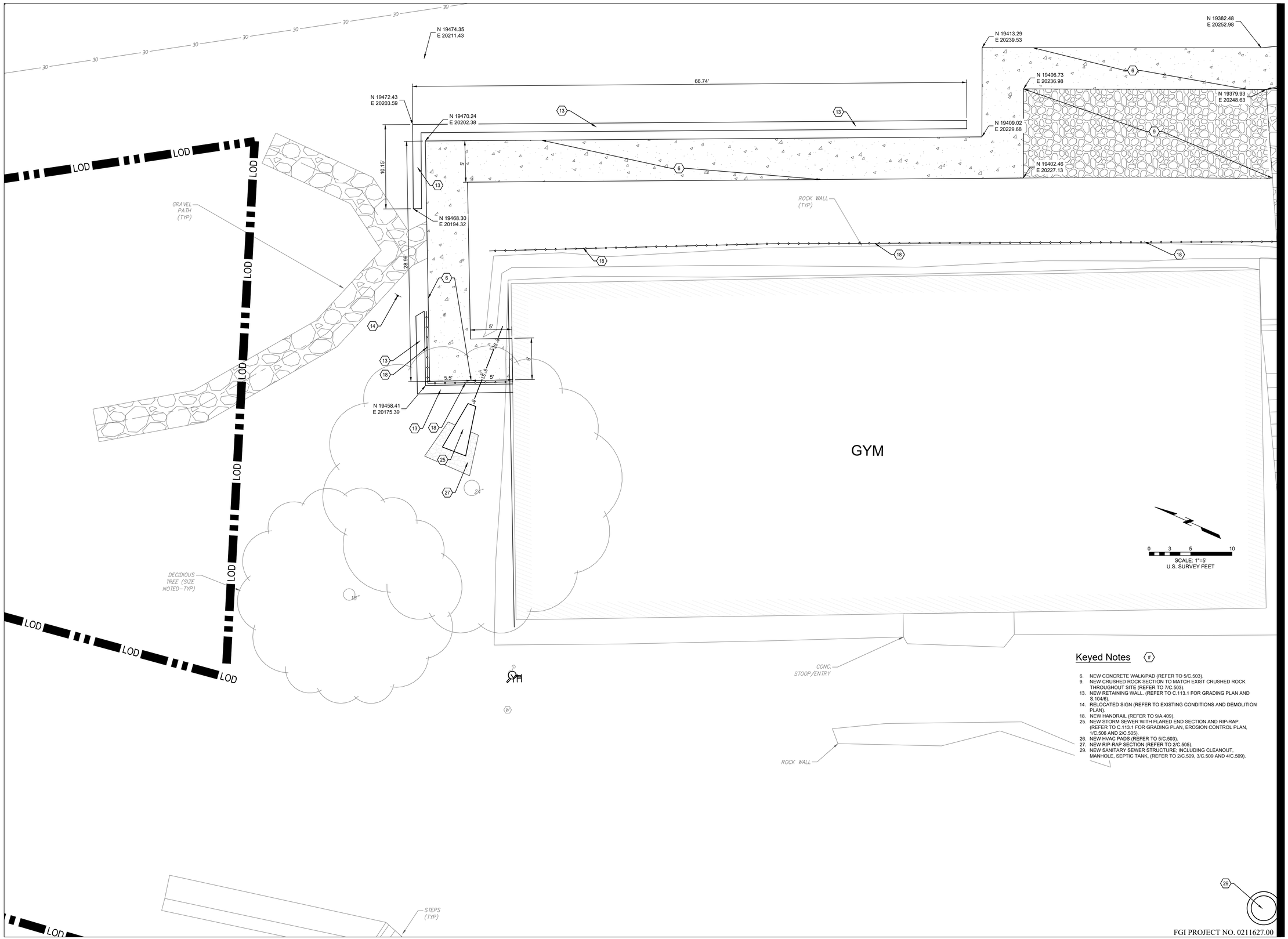
SHEET TITLE:

AREA 1 LAYOUT & HARDSCAPE PLAN

SHEET NUMBER:

C-112

FGI PROJECT NO. 0211627.00



Keyed Notes

6. NEW CONCRETE WALK/PAD (REFER TO 5/C.503).
9. NEW CRUSHED ROCK SECTION TO MATCH EXIST CRUSHED ROCK THROUGHOUT SITE (REFER TO 7/C.503).
13. NEW RETAINING WALL. (REFER TO C.113.1 FOR GRADING PLAN AND S.104/6).
14. RELOCATED SIGN (REFER TO EXISTING CONDITIONS AND DEMOLITION PLAN).
18. NEW HANDRAIL (REFER TO 9/A.409).
25. NEW STORM SEWER WITH FLARED END SECTION AND RIP-RAP. (REFER TO C.113.1 FOR GRADING PLAN, EROSION CONTROL PLAN, 1/C.506 AND 2/C.505).
26. NEW HVAC PADS (REFER TO 5/C.503).
27. NEW RIP-RAP SECTION (REFER TO 2/C.505).
29. NEW SANITARY SEWER STRUCTURE; INCLUDING CLEANOUT, MANHOLE, SEPTIC TANK, (REFER TO 2/C.509, 3/C.509 AND 4/C.509).

FGI PROJECT NO. 0211627.00

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	2BUCabin C	7815232004
Lower Dorm	7815232010	2BUCabin D	7815232005
Gymnasium	7815232011	2BUCabin E	7815232006
Game Room	7815232012	2BUCabin F	7815232007
Family Cabin	7815232013	2BUCabin G	7815232008
RR Building	7815232014	2BUCabin H	7815232009

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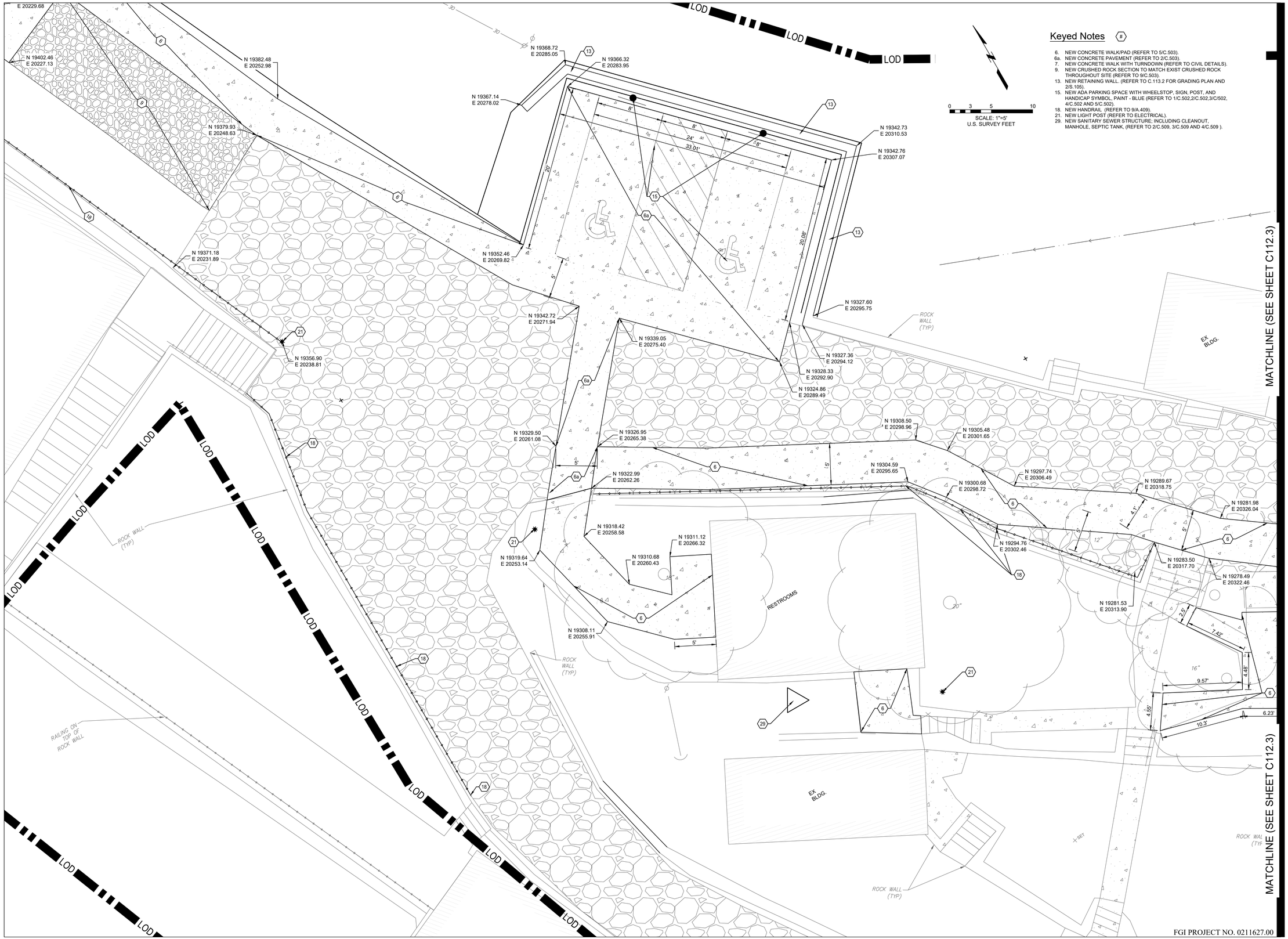
SHEET TITLE:

AREA 1 - GYM LAYOUT & HARDSCAPE PLAN

SHEET NUMBER:

C-112.1



Keyed Notes

6. NEW CONCRETE WALK/PAD (REFER TO 5/C.503).
6a. NEW CONCRETE PAVEMENT (REFER TO 2/C.503).
7. NEW CONCRETE WALK WITH TURNDOWN (REFER TO CIVIL DETAILS).
9. NEW CRUSHED ROCK SECTION TO MATCH EXIST CRUSHED ROCK THROUGHOUT SITE (REFER TO 9/C.503).
13. NEW RETAINING WALL. (REFER TO C.113.2 FOR GRADING PLAN AND 2/S.105).
15. NEW ADA PARKING SPACE WITH WHEELSTOP, SIGN, POST, AND HANDICAP SYMBOL, PAINT - BLUE (REFER TO 1/C.502,2/C.502,3/C/502, 4/C.502 AND 5/C.502).
18. NEW HANDRAIL (REFER TO 9/A.409).
21. NEW LIGHT POST (REFER TO ELECTRICAL).
29. NEW SANITARY SEWER STRUCTURE; INCLUDING CLEANOUT, MANHOLE, SEPTIC TANK, (REFER TO 2/C.509, 3/C.509 AND 4/C.509).

MATCHLINE (SEE SHEET C112.3)

MATCHLINE (SEE SHEET C112.3)

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	2BiCabin C	7815232004
Lower Dorm	7815232010	2BiCabin D	7815232005
Gymnasium	7815232011	2BiCabin E	7815232006
Game Room	7815232012	2BiCabin F	7815232007
Family Cabin	7815232013	2BiCabin G	7815232008
RR Building	7815232014	2BiCabin H	7815232009

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ISSUE DATE: 06/02/2025

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DESIGNED BY: JSE

SHEET TITLE:

AREA 1 - RESTROOM LAYOUT & HARDSCAPE PLAN

SHEET NUMBER:

C-112.2

SHEET 18 of 219
ISSUE DATE 11/26/2025

LOD LOD LOD LOD LOD LOD LOD LOD LOD LOD

Keyed Notes (#)

6. NEW CONCRETE WALK/PAD (REFER TO 5/C.503).
8. NEW CONCRETE SECTION WITH SWALE AND CURB (REFER TO C.113.3 FOR GRADING AND 3/A.504 AND 2/S.105).
9. NEW CRUSHED ROCK SECTION TO MATCH EXIST CRUSHED ROCK THROUGHOUT SITE (REFER TO 7/C.503).
13. NEW RETAINING WALL. (REFER TO 113.3 FOR GRADING PLAN AND 2/S.105).
16. NEW ADA RAMP WITH HANDRAIL (REFER TO 10/C.502).
18. NEW HANDRAIL (REFER TO 9/A.409).
26. NEW HVAC PADS (REFER TO 2/E.501) .
28. NEW STORM SEWER INLET(REFER TO C.113.3 FOR GRADING AND 3/C.505).

0 3 5
SCALE: 1"=5'
U.S. SURVEY FEET

MATCHLINE (SEE SHEET C112.2)

MATCHLINE (SEE SHEET C112.2)

MATCHLINE (SEE SHEET C112.4)

12"
18"

N 19274.67
E 20367.98
N 19261.22
E 20377.18
N 19246.09
E 20396.41
N 19241.77
E 20403.75
N 19218.83
E 20432.61
N 19207.74
E 20446.57
N 19281.98
E 20326.04
N 19276.94
E 20333.06
N 19271.56
E 20336.19
N 19273.23
E 20329.44
N 19278.49
E 20322.46
N 19267.83
E 20332.58
N 19268.59
E 20326.77
N 19264.44
E 20326.21
N 19258.98
E 20349.03
N 19255.05
E 20353.16
N 19251.08
E 20359.95
N 19250.25
E 20361.86
N 19258.10
E 20348.56
N 19251.07
E 20351.02
N 19249.37
E 20350.11
N 19248.27
E 20352.01
N 19244.74
E 20350.34
N 19224.01
E 20409.01
N 19215.51
E 20402.94
N 19195.22
E 20439.44
BOTTOM OF SWALE

13.76'
8.04'
6.44'
10.41'
5.5'
4.48'
6.23'
4.4'
4.38'

6" ST

LODGE

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	12BiCabin C	7815232004
Lower Dorm	7815232010	12BiCabin D	7815232005
Gymnasium	7815232011	12BiCabin E	7815232006
Game Room	7815232012	12BiCabin F	7815232007
Family Cabin	7815232013	12BiCabin G	7815232008
RR Building	7815232014	12BiCabin H	7815232009

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DATE:
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ISSUE DATE: 06/02/2025

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DESIGNED BY: JSE

SHEET TITLE:

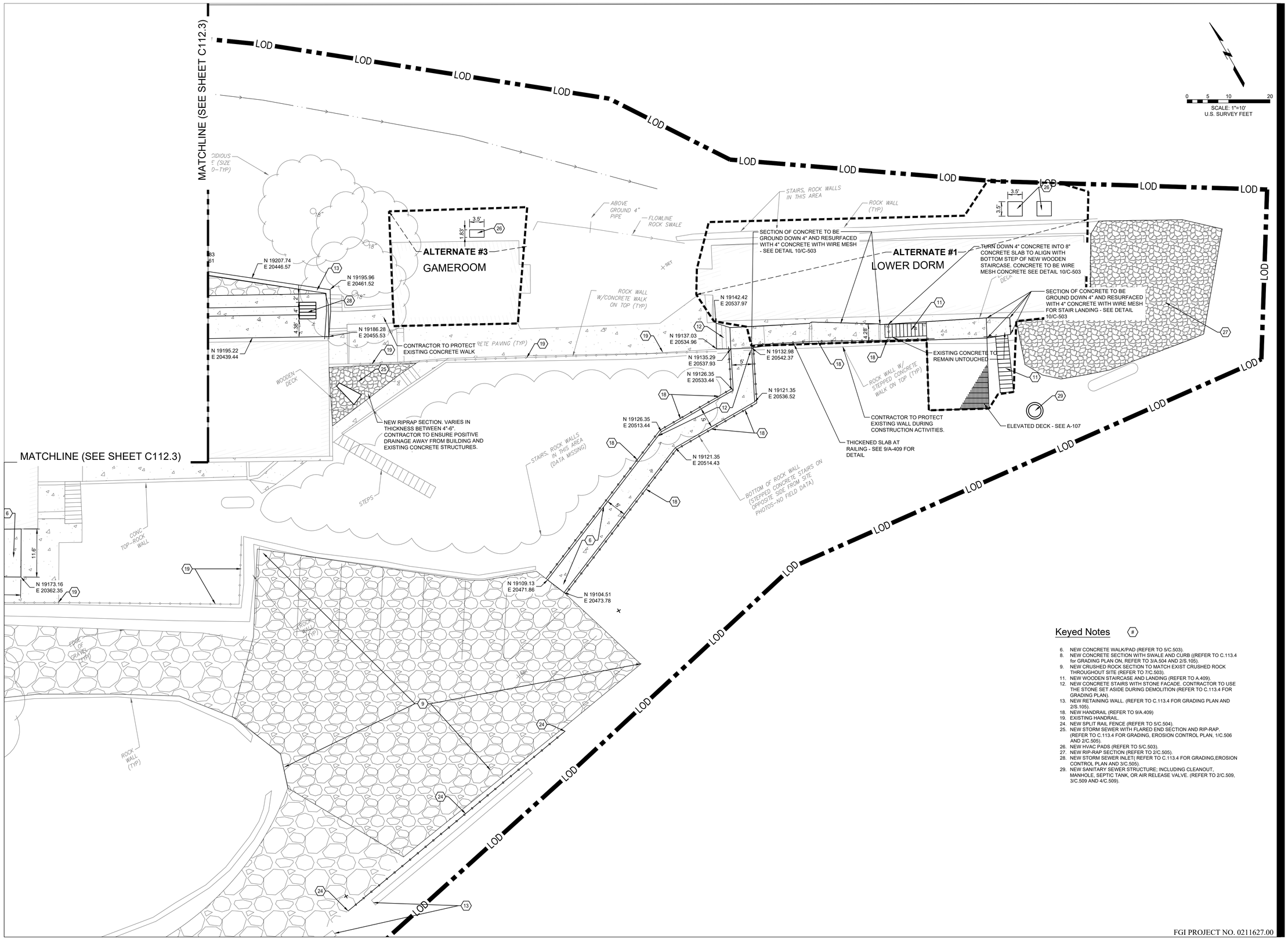
AREA 1 - LODGE LAYOUT & HARDSCAPE PLAN

SHEET NUMBER:

C-112.3

SHEET 19 of 219
ISSUE DATE 11/26/2025

FGI PROJECT NO. 0211627.00



Keyed Notes

6. NEW CONCRETE WALK/PAD (REFER TO 5/C.503).
8. NEW CONCRETE SECTION WITH SWALE AND CURB ((REFER TO C.113.4 for GRADING PLAN ON, REFER TO 3/A.504 AND 2/S.105).
9. NEW CRUSHED ROCK SECTION TO MATCH EXIST CRUSHED ROCK THROUGHOUT SITE (REFER TO 7/C.503).
11. NEW WOODEN STAIRCASE AND LANDING (REFER TO A.409).
12. NEW CONCRETE STAIRS WITH STONE FACADE. CONTRACTOR TO USE THE STONE SET ASIDE DURING DEMOLITION (REFER TO C.113.4 FOR GRADING PLAN).
13. NEW RETAINING WALL. (REFER TO C.113.4 FOR GRADING PLAN AND 2/S.105).
18. NEW HANDRAIL (REFER TO 9/A.409)
19. EXISTING HANDRAIL.
24. NEW SPLIT RAIL FENCE (REFER TO 5/C.504).
25. NEW STORM SEWER WITH FLARED END SECTION AND RIP-RAP. (REFER TO C.113.4 FOR GRADING, EROSION CONTROL PLAN, 1/C.506 AND 2/C.505).
26. NEW HVAC PADS (REFER TO 5/C.503).
27. NEW RIP-RAP SECTION (REFER TO 2/C.505).
28. NEW STORM SEWER INLET(REFER TO C.113.4 FOR GRADING,EROSION CONTROL PLAN AND 3/C.505).
29. NEW SANITARY SEWER STRUCTURE; INCLUDING CLEANOUT, MANHOLE, SEPTIC TANK, OR AIR RELEASE VALVE. (REFER TO 2/C.509, 3/C.509 AND 4/C.509).

FGI PROJECT NO. 0211627.00

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☒	2BUCabin C	7815232004	☐
Lower Dorm	7815232010	☒	2BUCabin D	7815232005	☐
Gymnasium	7815232011	☐	2BUCabin E	7815232006	☐
Game Room	7815232012	☐	2BUCabin F	7815232007	☐
Family Cabin	7815232013	☐	2BUCabin G	7815232008	☐
RR Building	7815232014	☐	2BUCabin H	7815232009	☐

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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

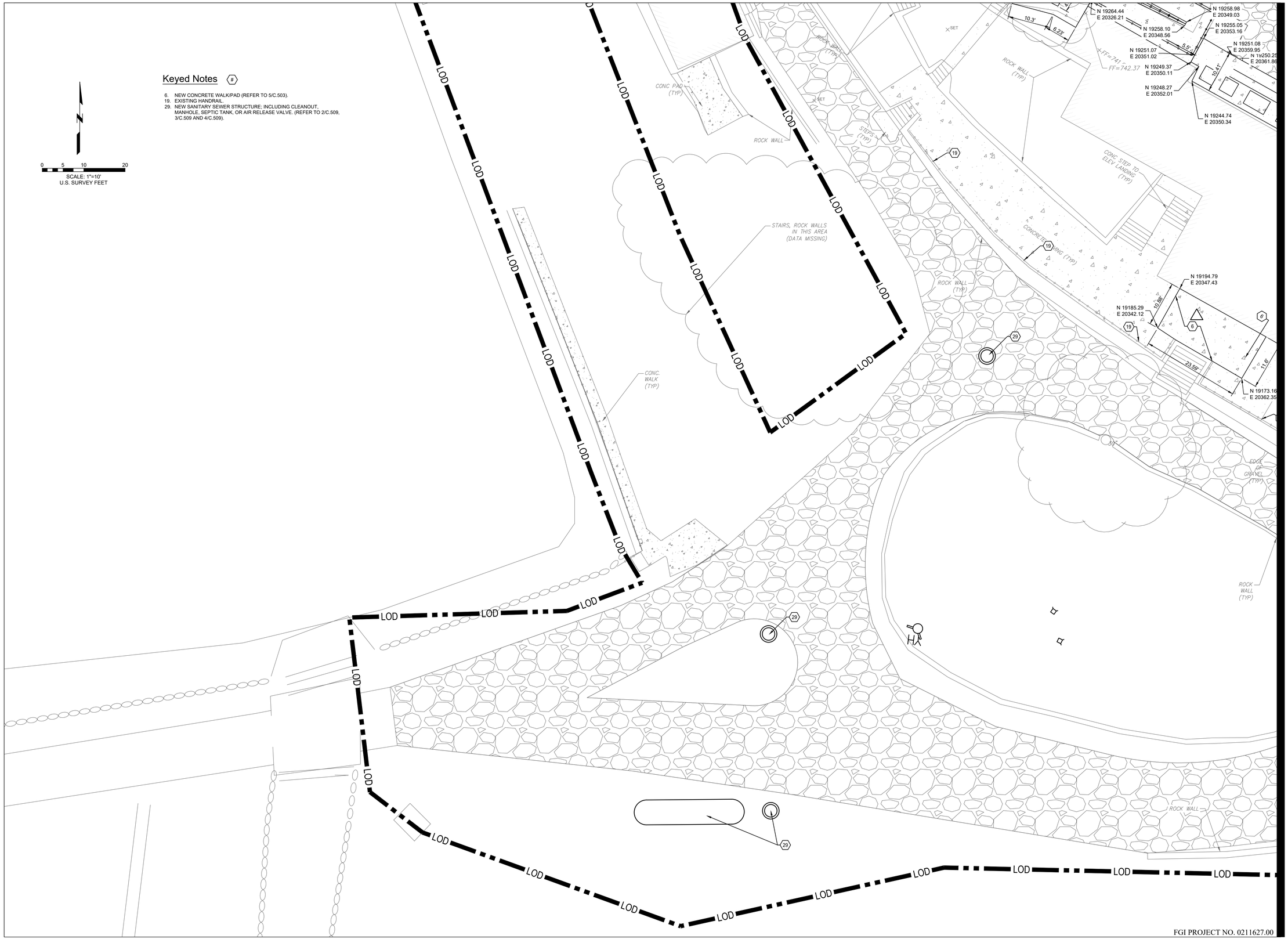
SHEET TITLE:

AREA 1 - LOWER DORM & GAMEROOM LAYOUT & HARDSCAPE PLAN

SHEET NUMBER:

C-112.4

SHEET 20 of 219
ISSUE DATE 11/26/2025



FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

KEVIN N. HANNEL
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☒	2BCabin C	7815232004	☐
Lower Dorm	7815232010	☐	2BCabin D	7815232005	☐
Gymnasium	7815232011	☐	2BCabin E	7815232006	☐
Game Room	7815232012	☐	2BCabin F	7815232007	☐
Family Cabin	7815232013	☐	2BCabin G	7815232008	☐
RR Building	7815232014	☐	2BCabin H	7815232009	☐

REVISION:
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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 1 CIRCLE DRIVE LAYOUT & HARDSCAPE PLAN

SHEET NUMBER:

C-112.5

SHEET 21 of 219
ISSUE DATE 11/26/2025



FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	2BiCabin C	7815232004
Lower Dorm	7815232010	2BiCabin D	7815232005
Gymnasium	7815232011	2BiCabin E	7815232006
Game Room	7815232012	2BiCabin F	7815232007
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RR Building	7815232014	2BiCabin H	7815232009

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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

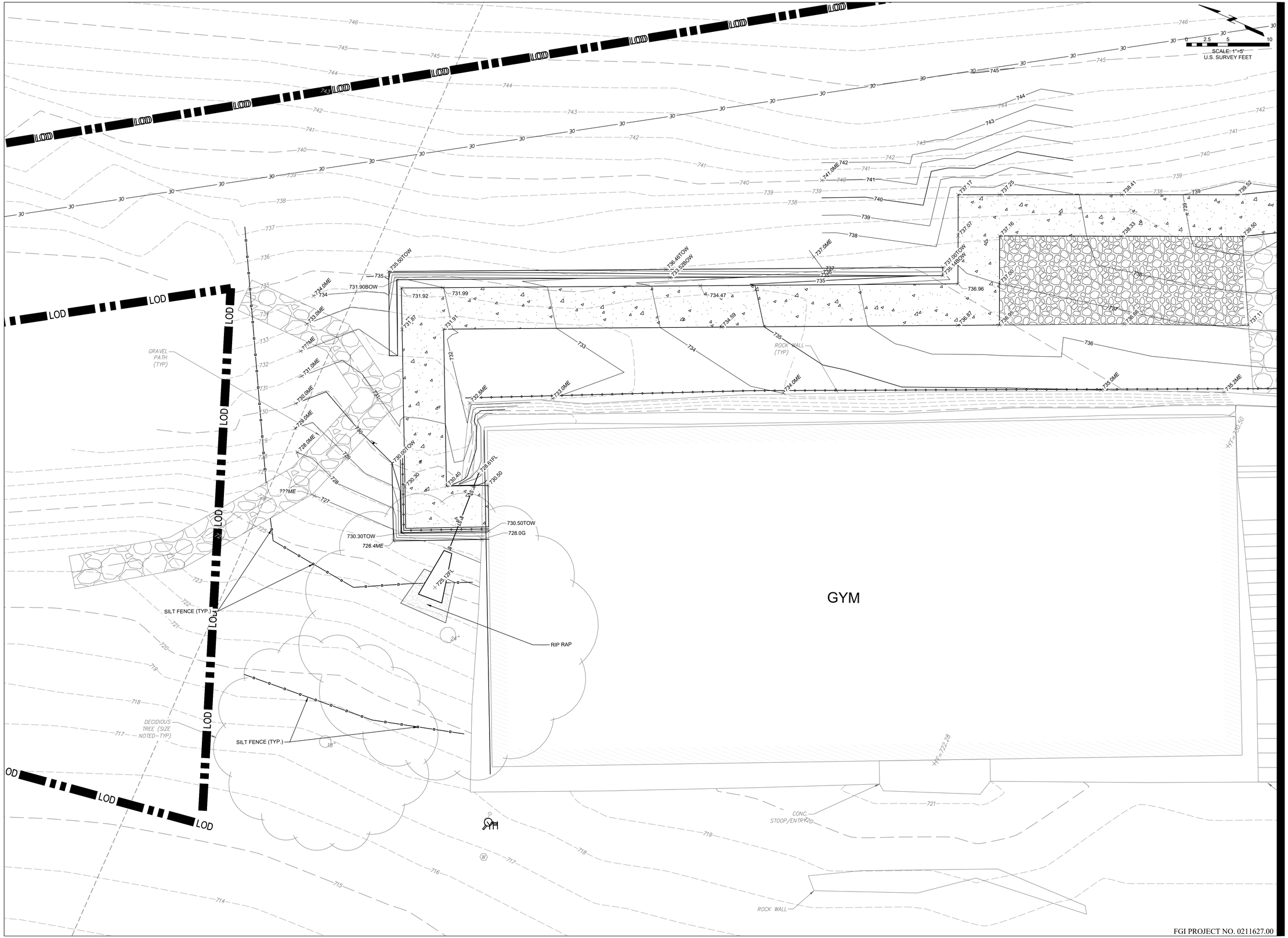
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 1 GRADING & EROSION CONTROL PLAN

SHEET NUMBER:

C-113



FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	2BUCabin C	7815232004
Lower Dorm	7815232010	2BUCabin D	7815232005
Gymnasium	7815232011	2BUCabin E	7815232006
Game Room	7815232012	2BUCabin F	7815232007
Family Cabin	7815232013	2BUCabin G	7815232008
RR Building	7815232014	2BUCabin H	7815232009

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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

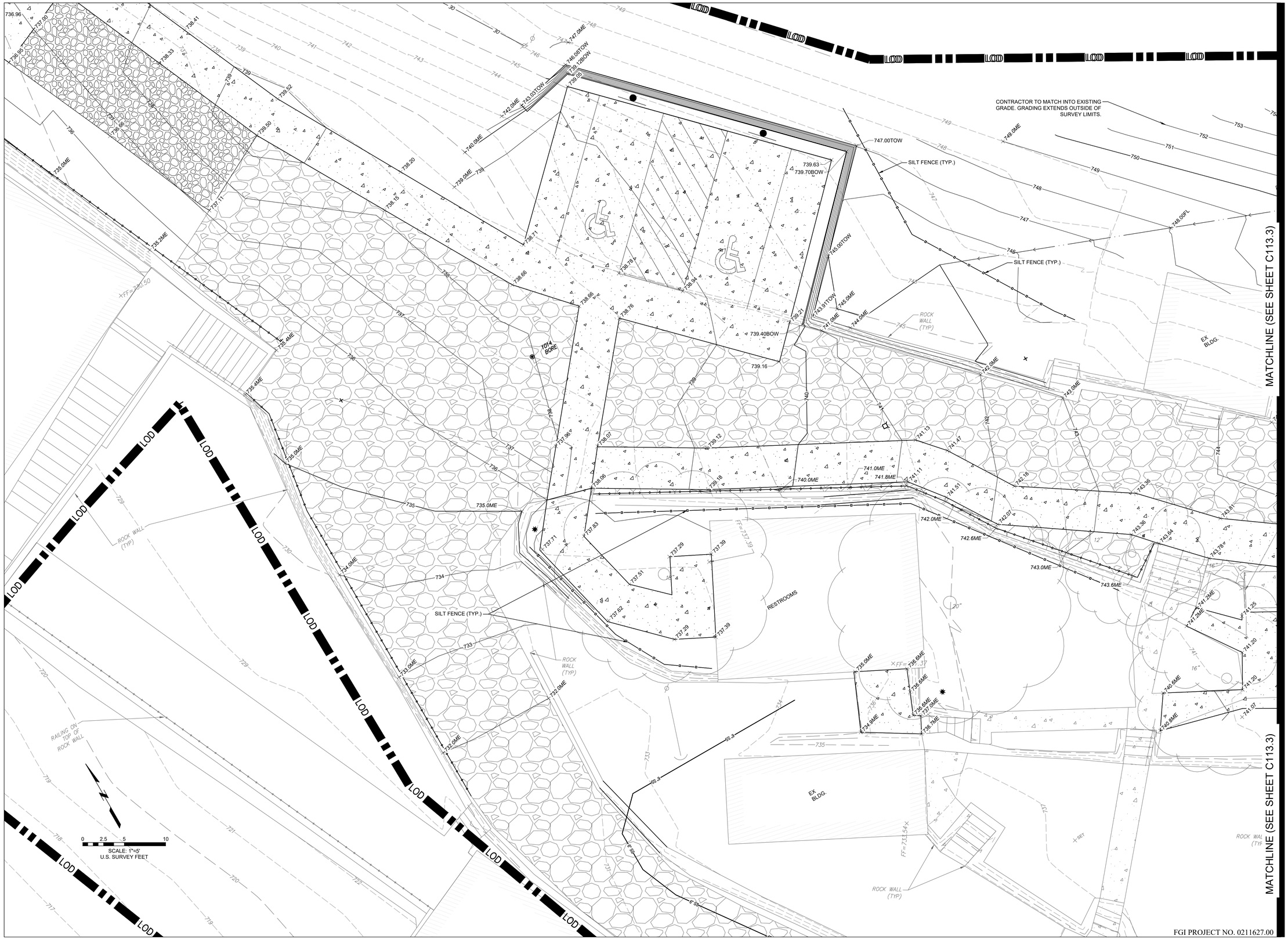
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 1 - GYM DETAIL GRADING PLAN

SHEET NUMBER:

C-113.1



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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☐	2BJCabin C	7815232004	☐
Lower Dorm	7815232010	☐	2BJCabin D	7815232005	☐
Gymnasium	7815232011	☐	2BJCabin E	7815232006	☐
Game Room	7815232012	☐	2BJCabin F	7815232007	☐
Family Cabin	7815232013	☐	2BJCabin G	7815232008	☐
RR Building	7815232014	☐	2BJCabin H	7815232009	☐

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REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

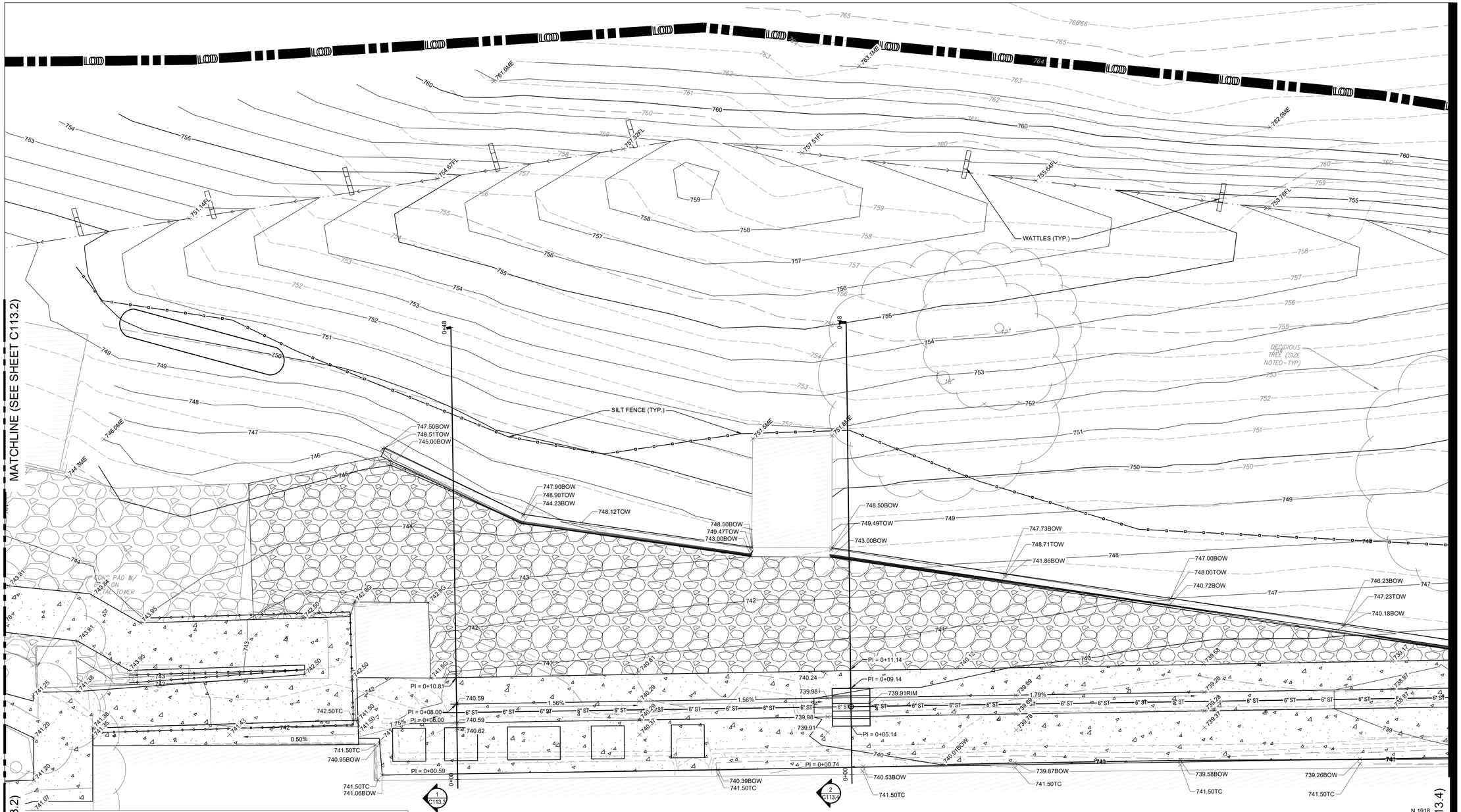
AREA 1 - RESTROOM DETAIL GRADING PLAN

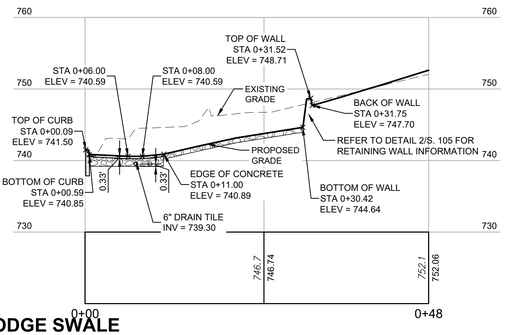
SHEET NUMBER:

C-113.2

SHEET 24 of 219
ISSUE DATE 11/26/2025

FGI PROJECT NO. 0211627.00





LODGE SWALE CROSS SECTION 1

SCALE: 1" = 10'

SCALE: 1"=5'
U.S. SURVEY FEET

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☒	2BUCabin C	7815232004	☐
Lower Dorm	7815232010	☐	2BUCabin D	7815232005	☐
Gymnasium	7815232011	☐	2BUCabin E	7815232006	☐
Game Room	7815232012	☐	2BUCabin F	7815232007	☐
Family Cabin	7815232013	☐	2BUCabin G	7815232008	☐
RR Building	7815232014	☐	2BUCabin H	7815232009	☐

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REVISION:
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REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
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DESIGNED BY: JSE

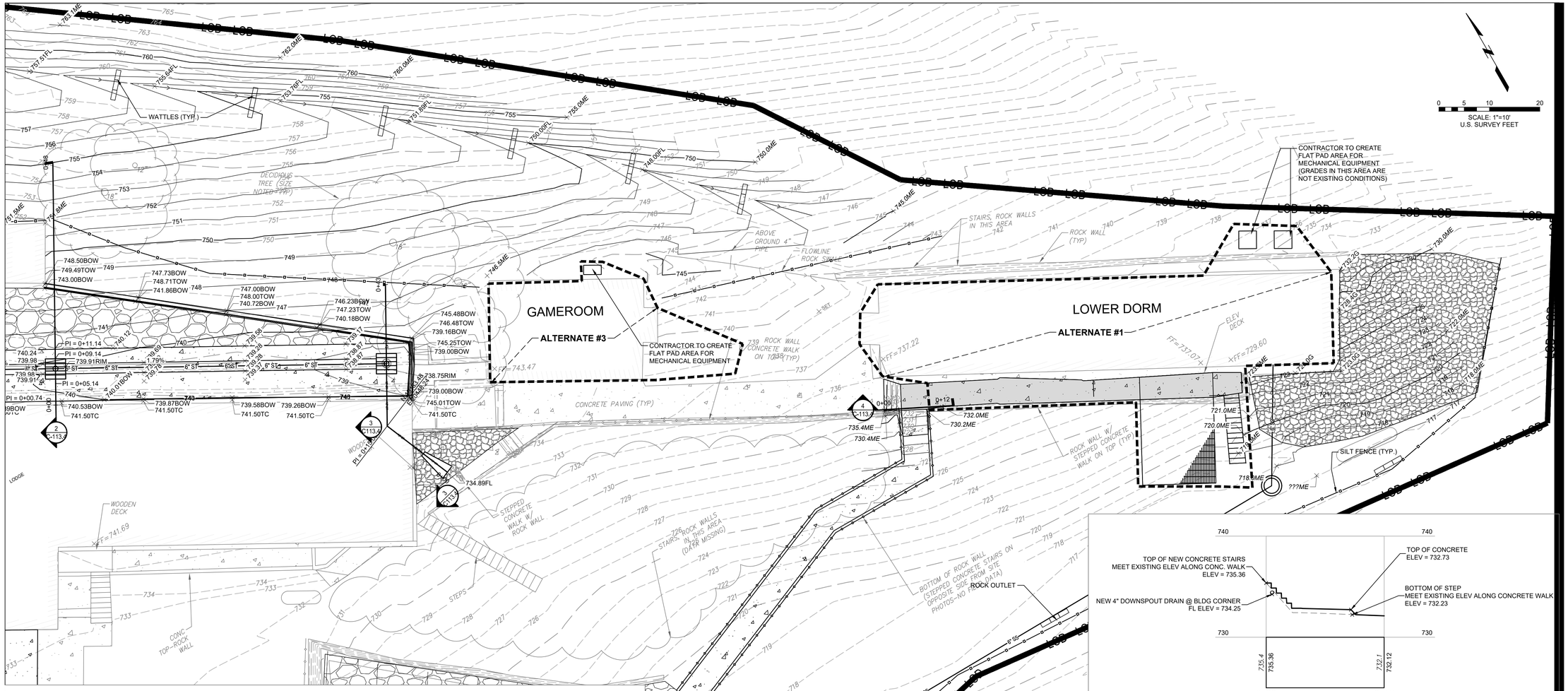
SHEET TITLE:

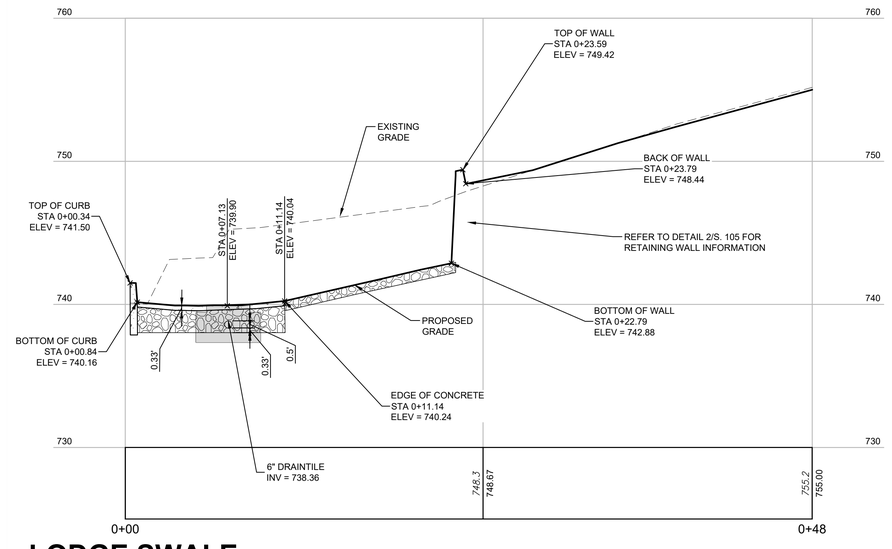
AREA 1 - LODGE DETAIL GRADING PLAN

SHEET NUMBER:

C-113.3

SHEET 25 of 219
ISSUE DATE 11/26/2025



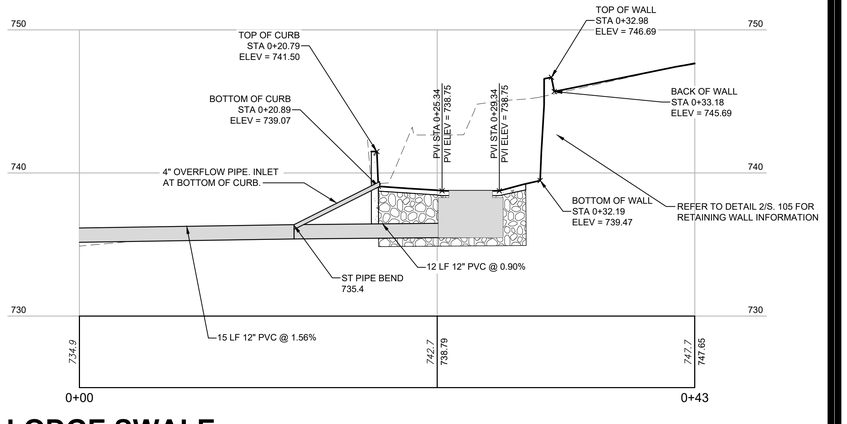


LODGE SWALE CROSS SECTION 2

SCALE: 1" = 5'

LOWER DORM- DOWNSPOUT DRAIN CROSS SECTION 4

SCALE: 1"=5'



LODGE SWALE CROSS SECTION 3

SCALE: 1"=5'

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
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Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☑	2(B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☑	2(B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	2(B)Cabin E	7815232006	☐
Game Room	7815232012	☐	2(B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	2(B)Cabin G	7815232008	☐
RR Building	7815232014	☐	2(B)Cabin H	7815232009	☐

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DATE:
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DATE:
ISSUE DATE: 06/02/2025

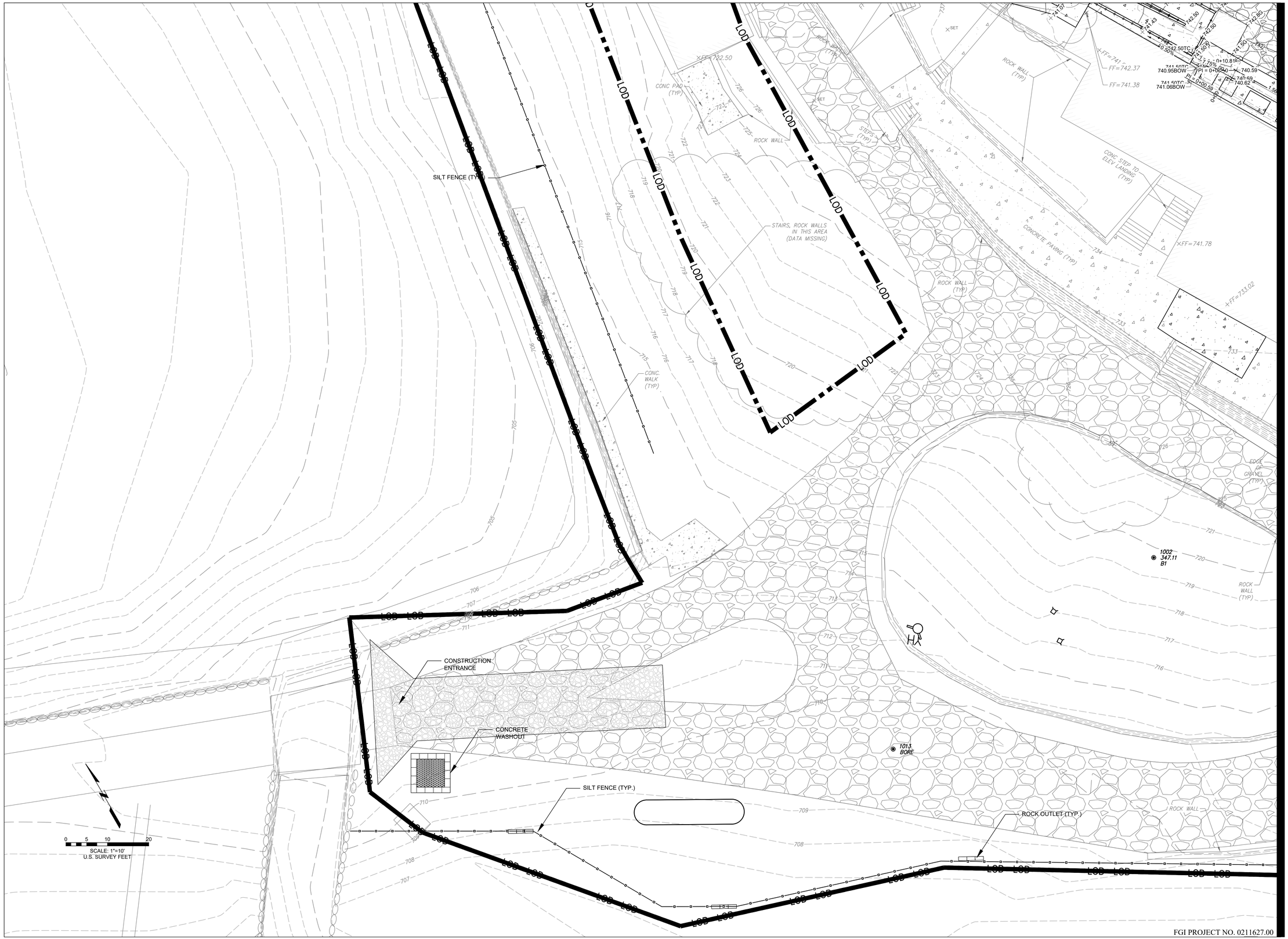
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 1 - LOWER DORM & GAMEROOM DETAIL GRADING PLAN

SHEET NUMBER:

C-113.4



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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

REVISION:
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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
AREA 1 - CIRCLE DRIVE DETAIL GRADING PLAN

SHEET NUMBER:
C-113.5

Keyed Notes - Utility Plan

1. 4" WATERMAIN (REFER TO SHEETS C.201-C.207).
2. 2" WATER SERVICE WITH CURB STOP AND VALVE BOX (REFER TO 2/C.507).
3. UTILITY CONNECTIONS AT BUILDING (REFER TO MEP PLANS).
4. NEW YARD HYDRANT (REFER TO 3/C.507).
5. NEW GATE VALVE AND VALVE BOX (REFER TO 2/C.507).
8. NEW SANITARY SERVICE CLEANOUT AND PIPE INCREASER 4" TO 6" DIAMETER (REFER TO 2/C.509).
9. NEW FORCE MAIN (REFER TO SHEETS C.201-C.207).
10. NEW ELECTRICAL LINE (REFER TO ELECTRICAL PLANS).
11. SEPTIC TANK CONTROL PANEL.
12. NEW PROPANE SERVICE LINE. PROPANE PIPING, FITTINGS, AND ACCESSORIES TO BE PER MANUFACTURERS RECOMMENDATION. (REFER TO 3/P.601 FOR BUILDING CONNECTION).
13. NEW PROPANE TANK LOCATION (CONTRACTOR TO COORDINATE WITH OWNER AND LOCAL PROPANE SUPPLIER FOR ADDITIONAL INFORMATION).

N

0 15 30 60

SCALE: 1"=30'
U.S. SURVEY FEET

RESTROOM WATER SERVICE
452LF 2" HDPE
36" MINIMUM COVER.
REFER TO CIVIL DETAILS.

RESTROOM SANITARY SERVICE
152LF 6" SDR 26
REFER TO SHEET C114.2 FOR MORE INFORMATION

LODGE SANITARY SERVICE
67LF 6" SDR 26
REFER TO SHEET C114.1 FOR MORE INFORMATION

LODGE WATER SERVICE
89LF 2" HDPE WITH CURB STOP.
36" MINIMUM COVER.
REFER TO CIVIL DETAILS.

RESTROOM SANITARY SERVICE
128LF 8" SDR 26
REFER TO SHEET C114.2 FOR MORE INFORMATION

5,000GAL SEPTIC TANK WITH INTERNAL PUMP REFER TO SHEETS C-201-C-207 AND CIVIL DETAILS FOR MORE INFORMATION

CONTACTOR TO STUB UP TO GAME ROOM WITH LOCKABLE VALVE AND CAP

LOWER DORM WATER SERVICE
312LF 2" HDPE WITH CURB STOP.
36" MINIMUM COVER.
REFER TO CIVIL DETAILS.

LOWER DORM SANITARY SERVICE
372LF 6" SDR 26
REFER TO SHEET C114.1 FOR MORE INFORMATION

CONTRACTOR TO MAINTAIN 18" SEPARATION BETWEEN WATERLINE AND SANITARY SERVICE OR FURNISH WATER MAIN QUALITY PIPE FOR SANITARY SERVICE. INCIDENTAL TO COST OF CONSTRUCTION.

FGI PROJECT NO. 0211627.00

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

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REVISION: _____
DATE: _____
ISSUE DATE: 06/02/2025

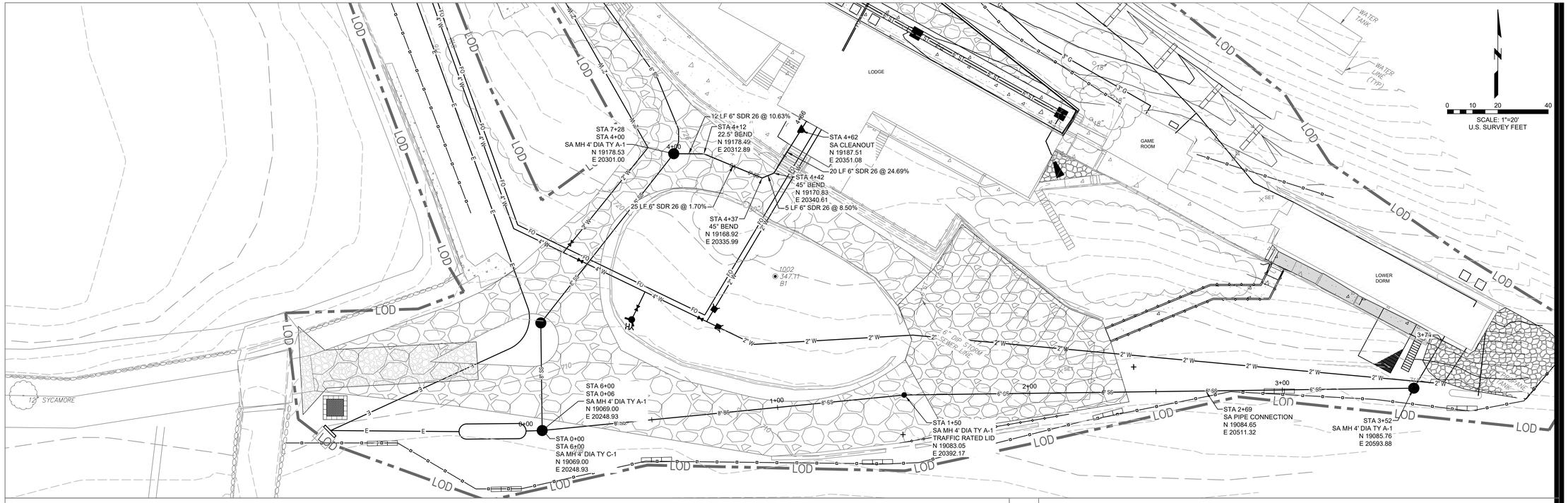
CAD DWG FILE: _____
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

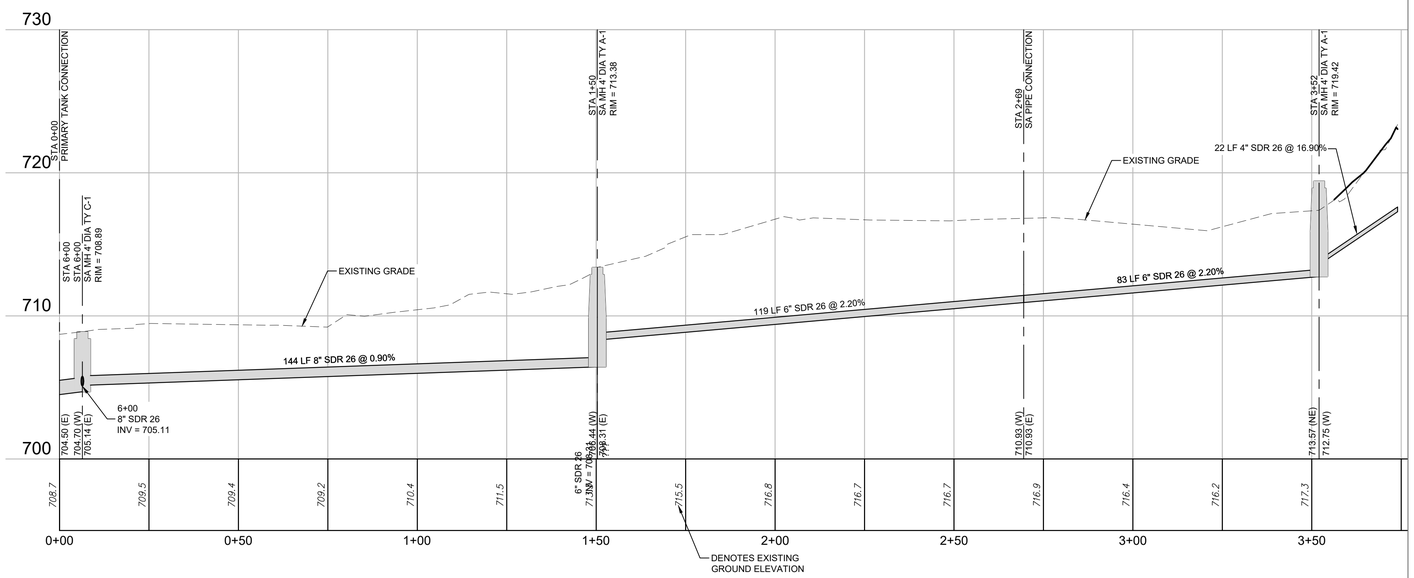
SHEET TITLE:

AREA 1
UTILITY PLAN

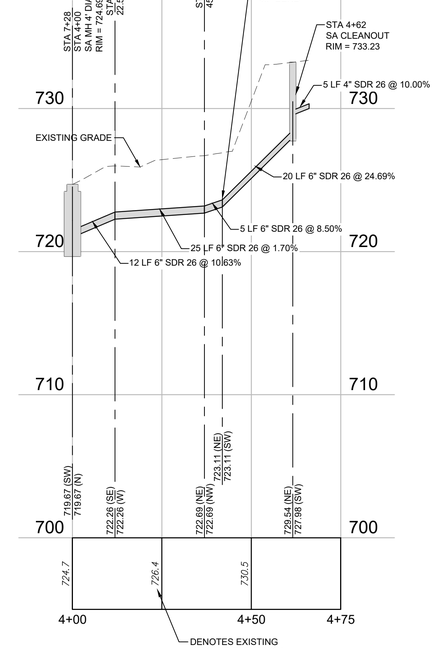
SHEET NUMBER:

C-114





SEPTIC TANK 1 TO LOWER DORM
SCALE: 20H:5V



LODGE SANITARY SERVICE TO MANHOLE
SCALE: 20H:5V

FGI PROJECT NO. 0211627.00

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KEVIN N. HANNEL
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	78152320001	2BiCabin C	78152320004
Lower Dorm	78152320010	2BiCabin D	78152320005
Gymnasium	78152320011	2BiCabin E	78152320006
Game Room	78152320012	2BiCabin F	78152320007
Family Cabin	78152320013	2BiCabin G	78152320008
RR Building	78152320014	2BiCabin H	78152320009

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ISSUE DATE: 06/02/2025

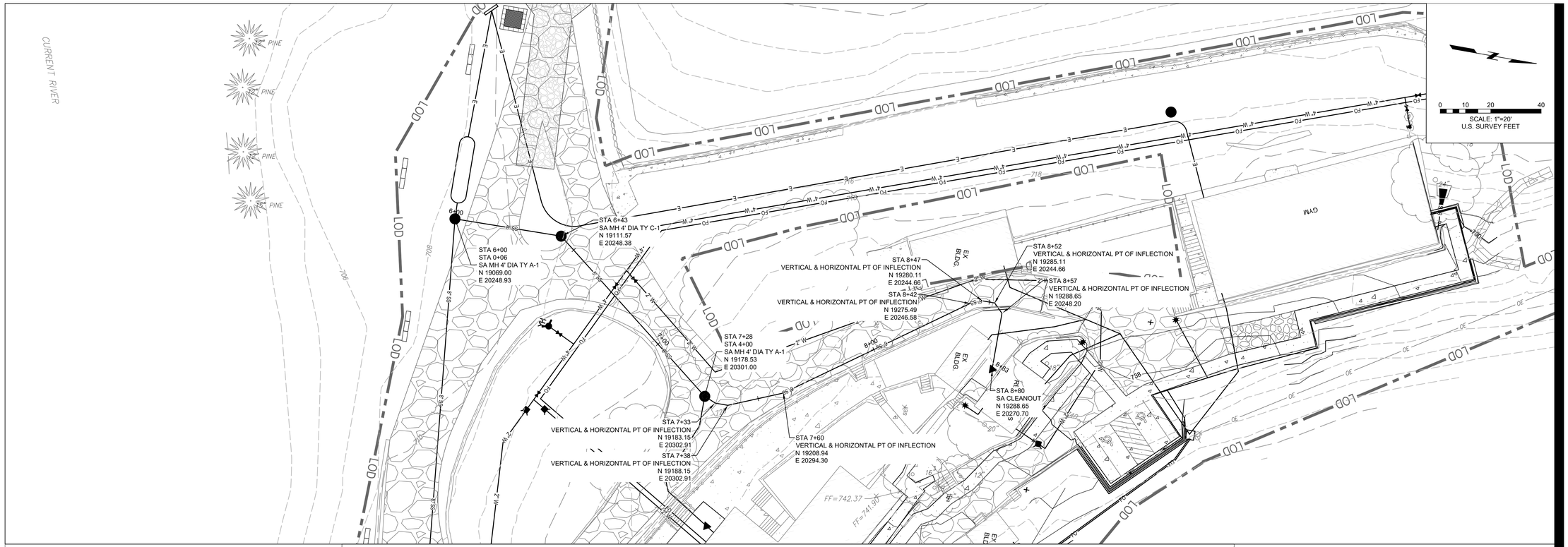
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

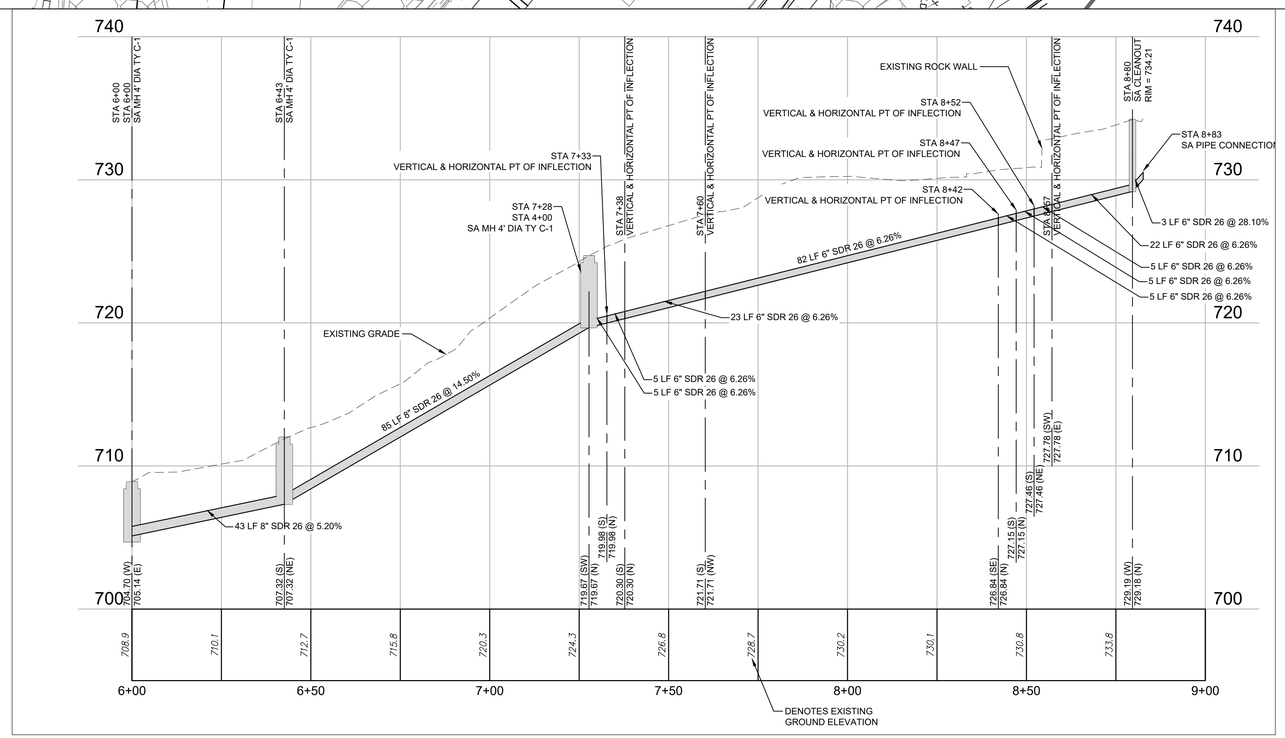
SHEET TITLE:

SANITARY SEWER PLAN & PROFILE LODGE & LOWER DORM

SHEET NUMBER:

C-114.1





SEPTIC TANK 1 TO RESTROOM BUILDING
SCALE: 20H:5V

FGI PROJECT NO. 0211627.00

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ASSET #

Lodge	7815232001	2BUCabin C	7815232004
Lower Dorm	7815232010	2BUCabin D	7815232005
Gymnasium	7815232011	2BUCabin E	7815232006
Game Room	7815232012	2BUCabin F	7815232007
Family Cabin	7815232013	2BUCabin G	7815232008
RR Building	7815232014	2BUCabin H	7815232009

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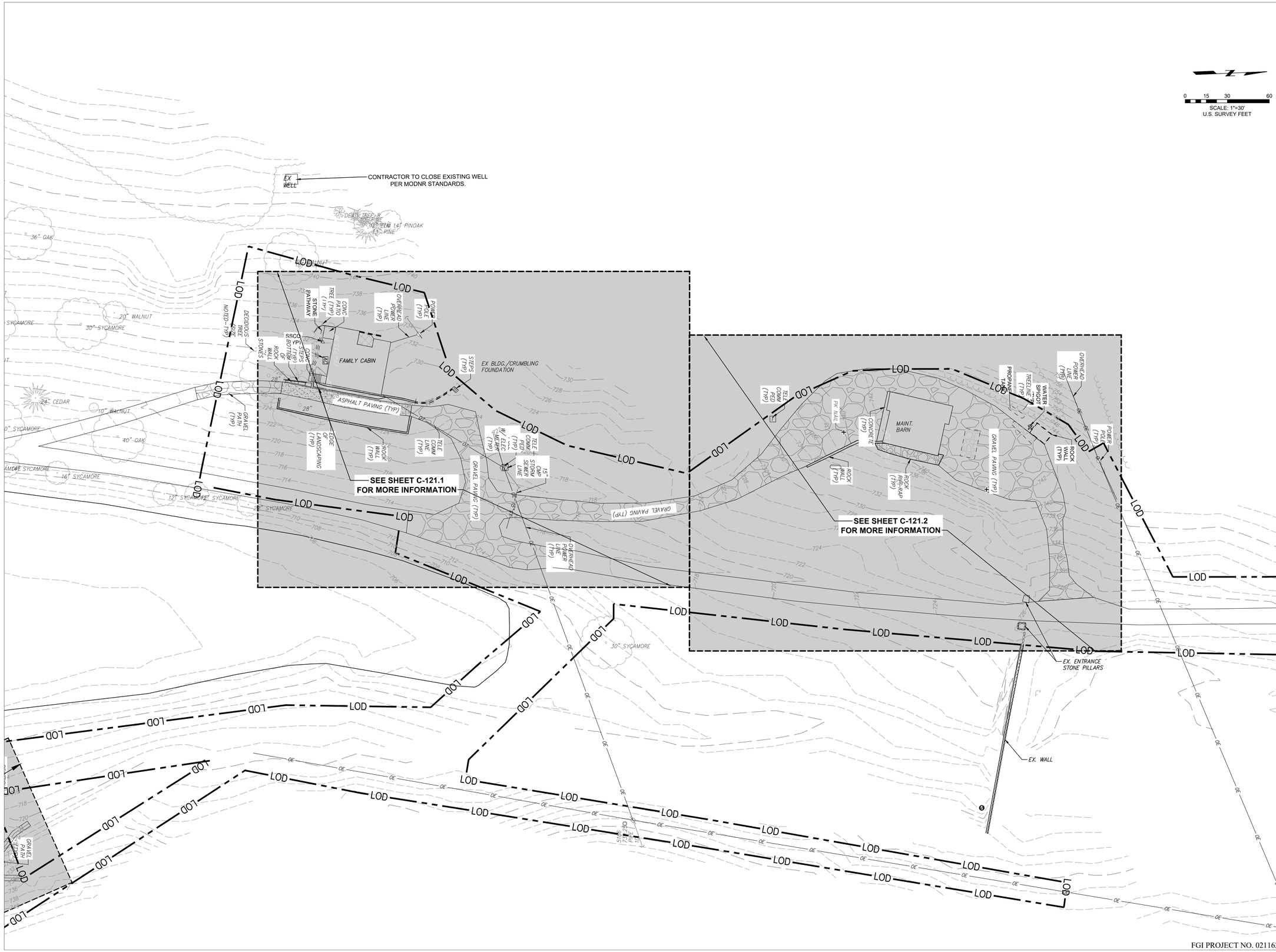
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
SANITARY SEWER PLAN & PROFILE RESTROOM

SHEET NUMBER:
C-114.2



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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

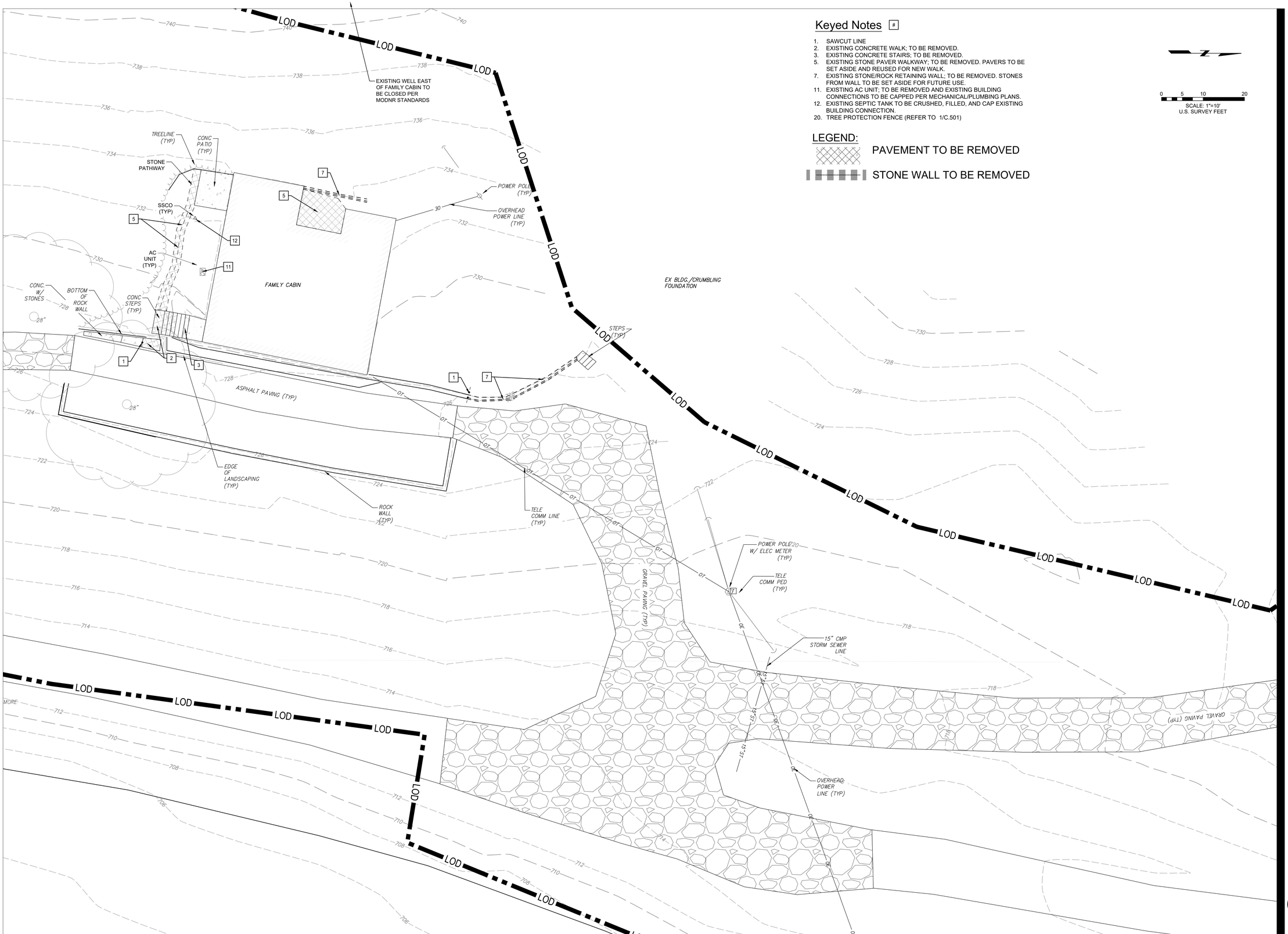
Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
AREA 2
EXISTING CONDITION & DEMOLITION PLAN

SHEET NUMBER:
C-121



Keyed Notes

1. SAWCUT LINE
2. EXISTING CONCRETE WALK; TO BE REMOVED.
3. EXISTING CONCRETE STAIRS; TO BE REMOVED.
5. EXISTING STONE PAVER WALKWAY; TO BE REMOVED. PAVERS TO BE SET ASIDE AND REUSED FOR NEW WALK.
7. EXISTING STONE/ROCK RETAINING WALL; TO BE REMOVED. STONES FROM WALL TO BE SET ASIDE FOR FUTURE USE.
11. EXISTING AC UNIT; TO BE REMOVED AND EXISTING BUILDING CONNECTIONS TO BE CAPPED PER MECHANICAL/PLUMBING PLANS.
12. EXISTING SEPTIC TANK TO BE CRUSHED, FILLED, AND CAP EXISTING BUILDING CONNECTION.
20. TREE PROTECTION FENCE (REFER TO 1/C.501)

LEGEND:

PAVEMENT TO BE REMOVED

STONE WALL TO BE REMOVED

0 5 10 20
SCALE: 1"=10'
U.S. SURVEY FEET

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

REVISION:
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REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 2 - FAMILY CABIN EXISTING CONDITION & DEMO PLAN

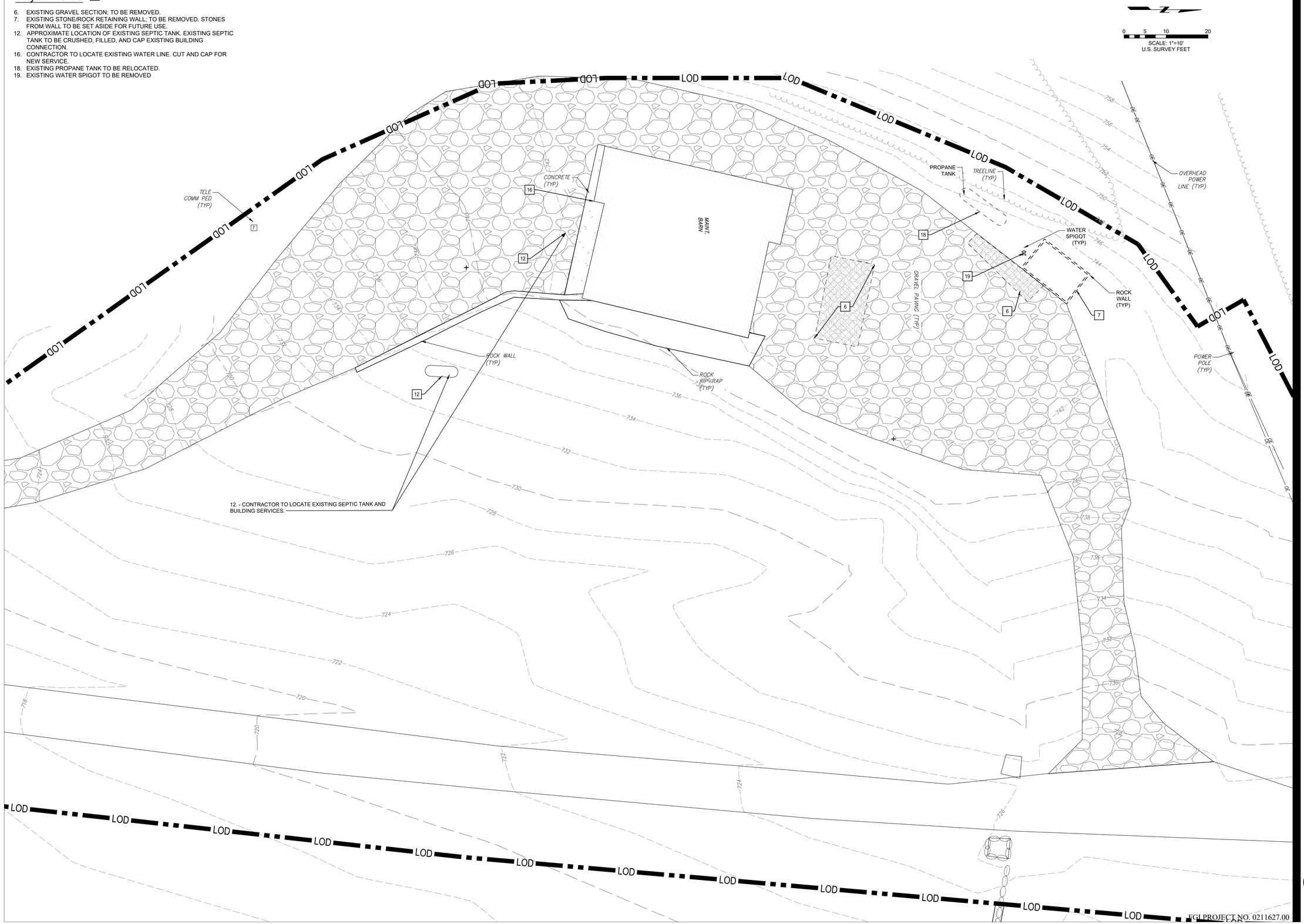
SHEET NUMBER:

C-121.1

FGI PROJECT NO. 0211627.00

Keyed Notes [#]

6. EXISTING GRAVEL SECTION; TO BE REMOVED.
7. EXISTING STONE/ROCK RETAINING WALL; TO BE REMOVED. STONES FROM WALL TO BE SET ASIDE FOR FUTURE USE.
12. APPROXIMATE LOCATION OF EXISTING SEPTIC TANK. EXISTING SEPTIC TANK TO BE CRUSHED, FILLED, AND CAP EXISTING BUILDING CONNECTION.
16. CONTRACTOR TO LOCATE EXISTING WATER LINE. CUT AND CAP FOR NEW SERVICE.
18. EXISTING PROPANE TANK TO BE RELOCATED.
19. EXISTING WATER SPIGOT TO BE REMOVED



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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	2BUCabin C	7815232004
Lower Dorm	7815232010	2BUCabin D	7815232005
Gymnasium	7815232011	2BUCabin E	7815232006
Game Room	7815232012	2BUCabin F	7815232007
Family Cabin	7815232013	2BUCabin G	7815232008
RR Building	7815232014	2BUCabin H	7815232009

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ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
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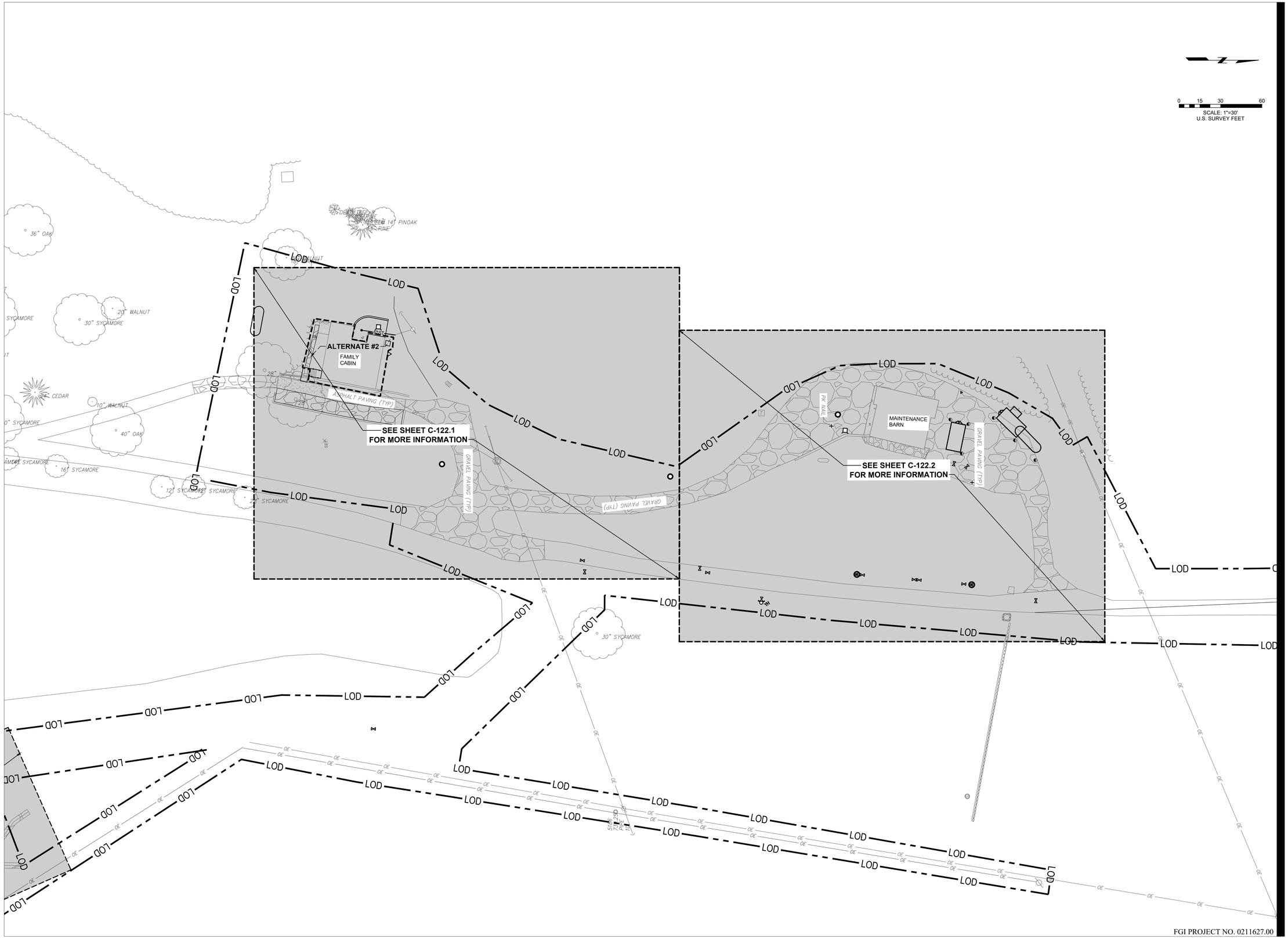
DESIGNED BY: JSE

SHEET TITLE:

AREA 2 - MAINT. BARN EXISTING CONDITION & DEMOLITION PLAN

SHEET NUMBER:

C-121.2



FGI PROJECT NO. 0211627.00

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	2BUCabin C	7815232004
Lower Dorm	7815232010	2BUCabin D	7815232005
Gymnasium	7815232011	2BUCabin E	7815232006
Game Room	7815232012	2BUCabin F	7815232007
Family Cabin	7815232013	2BUCabin G	7815232008
RR Building	7815232014	2BUCabin H	7815232009

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REVISION:
DATE:
ISSUE DATE: 06/02/2025

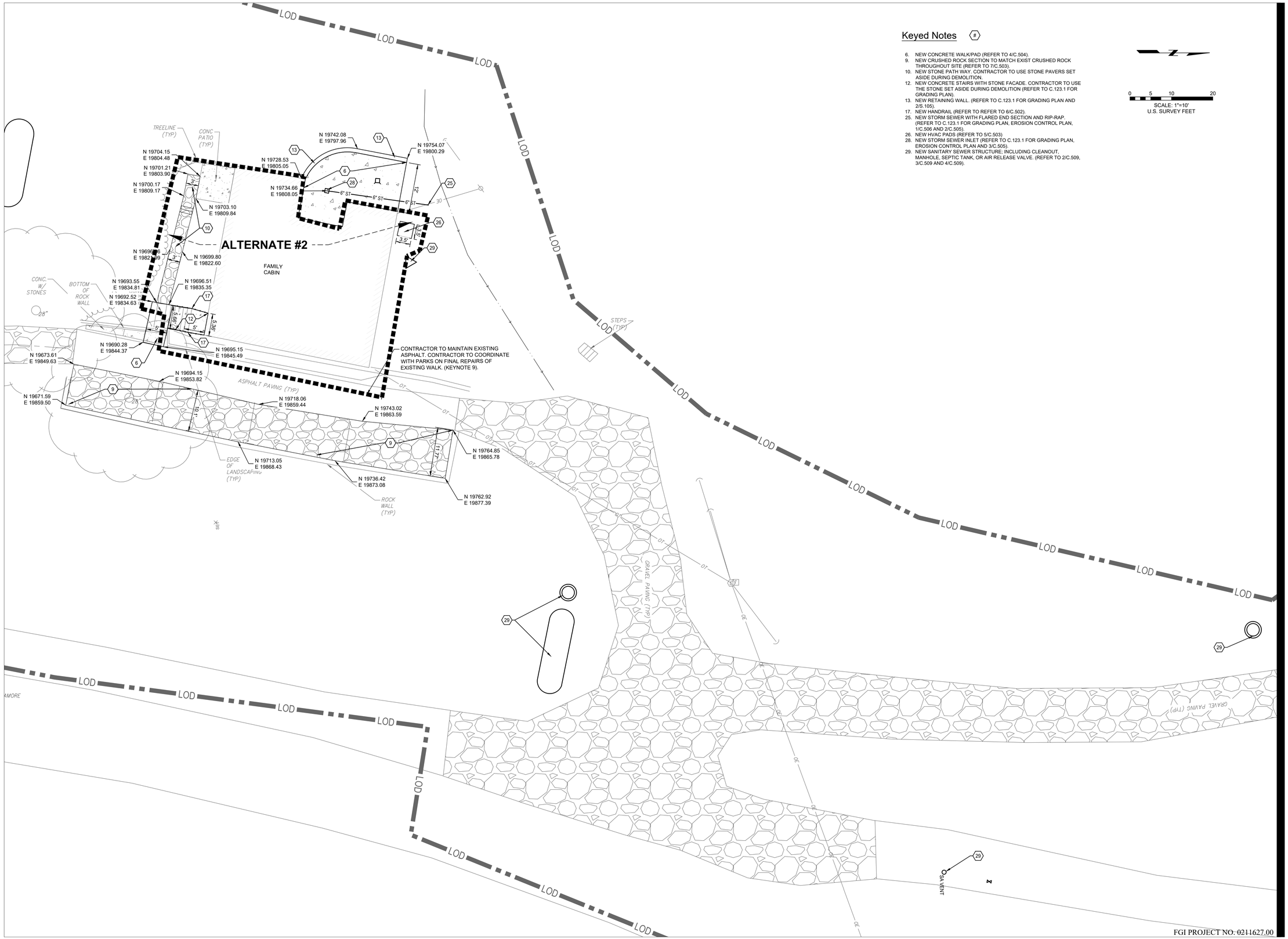
CAD DWG FILE:
DRAWN BY: NIT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 2 LAYOUT & HARDSCAPE PLAN

SHEET NUMBER:

C-122



Keyed Notes

6. NEW CONCRETE WALK/PAD (REFER TO 4/C.504).
9. NEW CRUSHED ROCK SECTION TO MATCH EXIST CRUSHED ROCK THROUGHOUT SITE (REFER TO 7/C.503).
10. NEW STONE PATH WAY. CONTRACTOR TO USE STONE PAVERS SET ASIDE DURING DEMOLITION.
12. NEW CONCRETE STAIRS WITH STONE FACADE. CONTRACTOR TO USE THE STONE SET ASIDE DURING DEMOLITION (REFER TO C.123.1 FOR GRADING PLAN).
13. NEW RETAINING WALL. (REFER TO C.123.1 FOR GRADING PLAN AND 2/S.105).
17. NEW HANDRAIL (REFER TO REFER TO 6/C.502).
25. NEW STORM SEWER WITH FLARED END SECTION AND RIP-RAP. (REFER TO C.123.1 FOR GRADING PLAN, EROSION CONTROL PLAN, 1/C.506 AND 2/C.505).
26. NEW HVAC PADS (REFER TO 5/C.503)
28. NEW STORM SEWER INLET (REFER TO C.123.1 FOR GRADING PLAN, EROSION CONTROL PLAN AND 3/C.505).
29. NEW SANITARY SEWER STRUCTURE; INCLUDING CLEANOUT, MANHOLE, SEPTIC TANK, OR AIR RELEASE VALVE. (REFER TO 2/C.509, 3/C.509 AND 4/C.509).

0 5 10 20
SCALE: 1"=10'
U.S. SURVEY FEET

STATE OF MISSOURI
MIKE KEHOE
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☐	2BCabin C	7815232004	☐
Lower Dorm	7815232010	☐	2BCabin D	7815232005	☐
Gymnasium	7815232011	☐	2BCabin E	7815232006	☐
Game Room	7815232012	☐	2BCabin F	7815232007	☐
Family Cabin	7815232013	☒	2BCabin G	7815232008	☐
RR Building	7815232014	☐	2BCabin H	7815232009	☐

REVISION:
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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 2 - FAMILY CABIN LAYOUT & HARDSCAPE PLAN

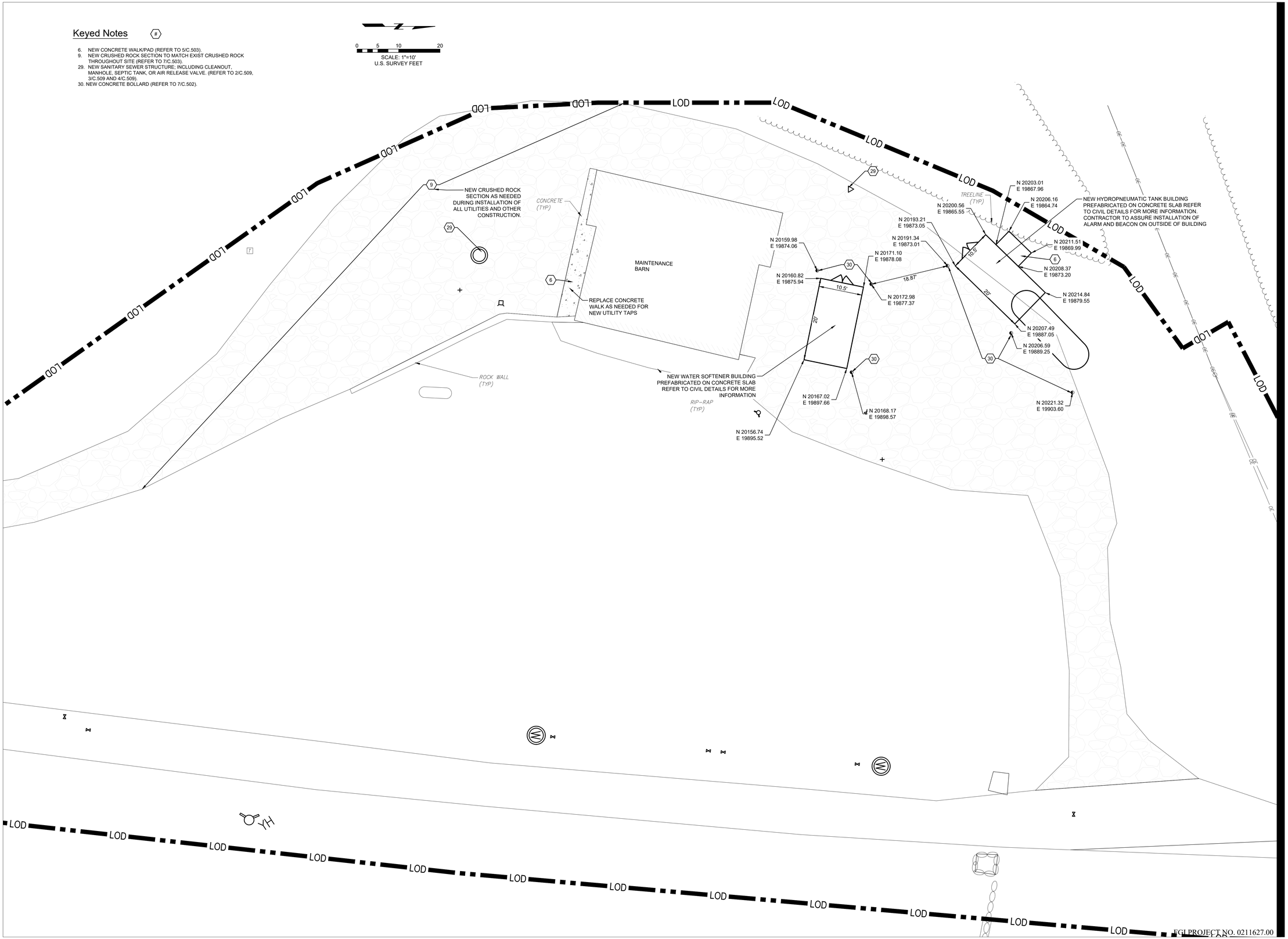
SHEET NUMBER:

C-122.1

SHEET 35 of 219
ISSUE DATE 11/26/2025

Keyed Notes

6. NEW CONCRETE WALK/PAD (REFER TO 5/C.503).
9. NEW CRUSHED ROCK SECTION TO MATCH EXIST CRUSHED ROCK THROUGHOUT SITE (REFER TO 7/C.503).
29. NEW SANITARY SEWER STRUCTURE; INCLUDING CLEANOUT, MANHOLE, SEPTIC TANK, OR AIR RELEASE VALVE. (REFER TO 2/C.509, 3/C.509 AND 4/C.509).
30. NEW CONCRETE BOLLARD (REFER TO 7/C.502).



FGI PROJECT NO. 0211627.00

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

REVISION:
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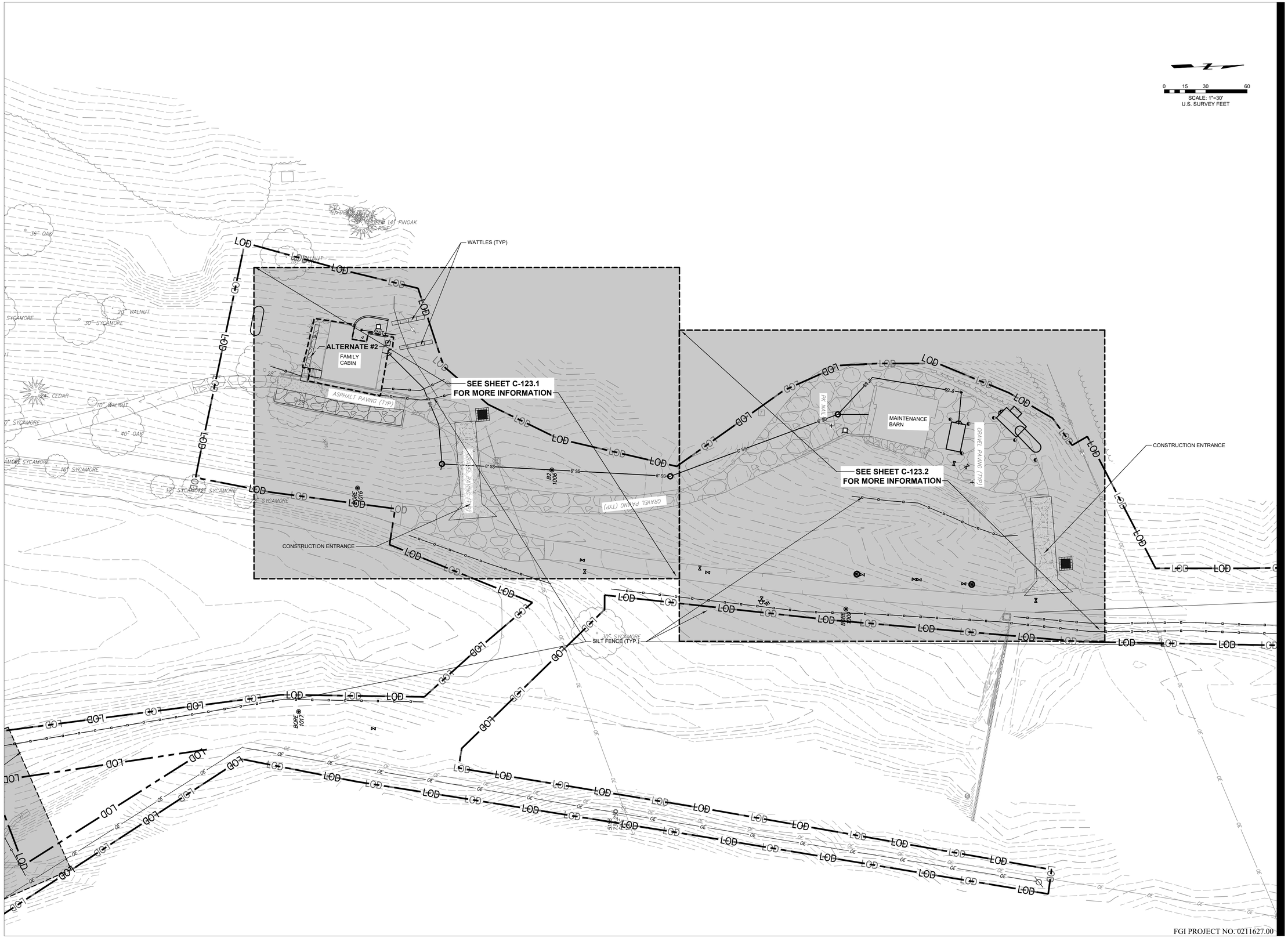
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
AREA 2 - MAINT. BARN LAYOUT & HARDSCAPE PLAN

SHEET NUMBER:
C-122.2



FGI PROJECT NO. 0211627.00

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	2BUCabin C	7815232004
Lower Dorm	7815232010	2BUCabin D	7815232005
Gymnasium	7815232011	2BUCabin E	7815232006
Game Room	7815232012	2BUCabin F	7815232007
Family Cabin	7815232013	2BUCabin G	7815232008
RR Building	7815232014	2BUCabin H	7815232009

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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 2 GRADING & EROSION CONTROL PLAN

SHEET NUMBER:

C-123



STATE OF MISSOURI
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	QBICabin C	7815232004
Lower Dorm	7815232010	QBICabin D	7815232005
Gymnasium	7815232011	QBICabin E	7815232006
Game Room	7815232012	QBICabin F	7815232007
Family Cabin	7815232013	QBICabin G	7815232008
BR Building	7815232014	QBICabin H	7815232009

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ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

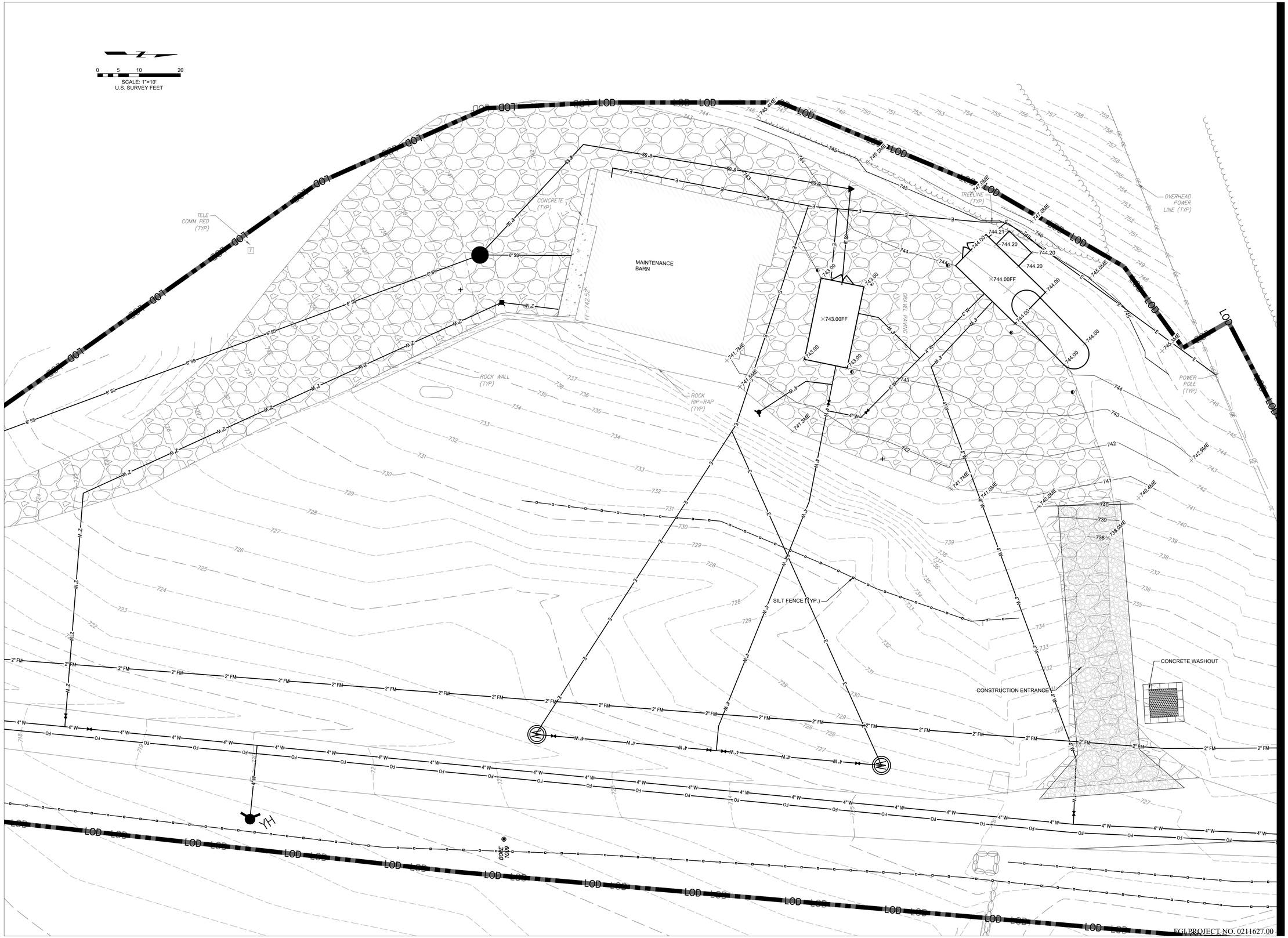
SHEET TITLE:

AREA 2 - FAMILY CABIN DETAIL GRADING PLAN

SHEET NUMBER:

C-123.1

SHEET 38 of 219
ISSUE DATE 11/26/2025



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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	12BiCabin C	7815232004
Lower Dorm	7815232010	12BiCabin D	7815232005
Gymnasium	7815232011	12BiCabin E	7815232006
Game Room	7815232012	12BiCabin F	7815232007
Family Cabin	7815232013	12BiCabin G	7815232008
RR Building	7815232014	12BiCabin H	7815232009

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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 2 - MAINT. BARN DETAIL GRADING PLAN

SHEET NUMBER:

C-123.2

SHEET 39 of 219
ISSUE DATE 11/26/2025

FGI PROJECT NO. 0211627.00

Keyed Notes - Utility Plan

1. 4" WATERMAIN (REFER TO REFER TO SHEETS C.201-C.207).
2. 2" WATER SERVICE WITH CURB STOP AND VALVE BOX (REFER TO 2/C.507).
3. UTILITY CONNECTIONS AT BUILDING (REFER TO MEP PLANS).
4. NEW YARD HYDRANT (REFER TO 3/C.507).
5. NEW GATE VALVE AND VALVE BOX (2/C.507).
6. NEW CHECK VALVE AND VALVE BOX (REFER TO 4/C.507).
8. NEW SANITARY SERVICE CLEANOUT AND PIPE INCREASER 4" TO 6" DIAMETER (REFER TO 2/C.509).
9. NEW FORCE MAIN (REFER TO SHEETS C.201-C.207).
10. NEW ELECTRICAL LINE (REFER TO ELECTRICAL PLANS).
12. NEW PROPANE SERVICE LINE. PROPANE PIPING, FITTINGS, AND ACCESSORIES TO BE PER MANUFACTURERS RECOMMENDATION. (REFER TO 3/P.601 FOR BUILDING CONNECTION).
13. NEW PROPANE TANK LOCATION (CONTRACTOR TO COORDINATE WITH OWNER AND LOCAL PROPANE SUPPLIER FOR ADDITIONAL INFORMATION).
14. NEW WELL TO BE INSTALLED PER MODNR STANDARDS (REFER TO 4/C.507).

0 15 30 60
SCALE: 1"=30'
U.S. SURVEY FEET

FAMILY CABIN WATER SERVICE
262LF 2" HDPE.
36" MINIMUM COVER.
REFER TO CIVIL DETAILS.

FAMILY CABIN SANITARY SERVICE
102LF 6" SDR 26
REFER TO SHEET C124.1 FOR MORE INFORMATION

ALTERNATE #2
FAMILY CABIN

2,000GAL SEPTIC TANK WITH INTERNAL PUMP. REFER TO SHEETS C-201-C-207 AND CIVIL DETAILS FOR MORE INFORMATION

CONTRACTOR TO MAINTAIN EXISTING STORM CULVERT DURING CONSTRUCTION ACTIVITY.

MAINTENANCE BARN WATER SERVICE
181LF 2" HDPE.
36" MINIMUM COVER.
REFER TO CIVIL DETAILS.

MAINTENANCE BARN SANITARY SERVICE
450LF 6" SDR 26
REFER TO SHEET C124.1 FOR MORE INFORMATION

MAINTENANCE BARN

FLUSHING HYDRANT AND ASSOCIATED SHUT OFF VALVE

SOFTENER SYSTEM (REFER TO CIVIL DETAILS). SYSTEM TO BE INSTALLED PER MANUFACTURER. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR PRE-FAB BUILDING (REFER TO CIVIL DETAILS).

NEW 15KW GENERATOR (REFER TO SPEC SECTION 263213) AND CONCRETE PAD

ELECTRICAL CONTROL PANELS FOR WELLS TO BE HOUSED IN HYDROPNEUMATIC TANK BUILDING.

HYDROPNEUMATIC TANK AND PRE-FAB BUILDING CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ENGINEER FOR APPROVAL. REFER TO CIVIL DETAILS C. 508

FGI PROJECT NO. 0211627.00

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	78152320001	☐	2BUCabin C	☐	78152320004
Lower Dorm	78152320010	☐	2BUCabin D	☐	78152320006
Gymnasium	78152320011	☐	2BUCabin E	☐	78152320005
Game Room	78152320012	☐	2BUCabin F	☐	78152320007
Family Cabin	78152320013	☐	2BUCabin G	☐	78152320008
RR Building	78152320014	☐	2BUCabin H	☐	78152320009

REVISION:
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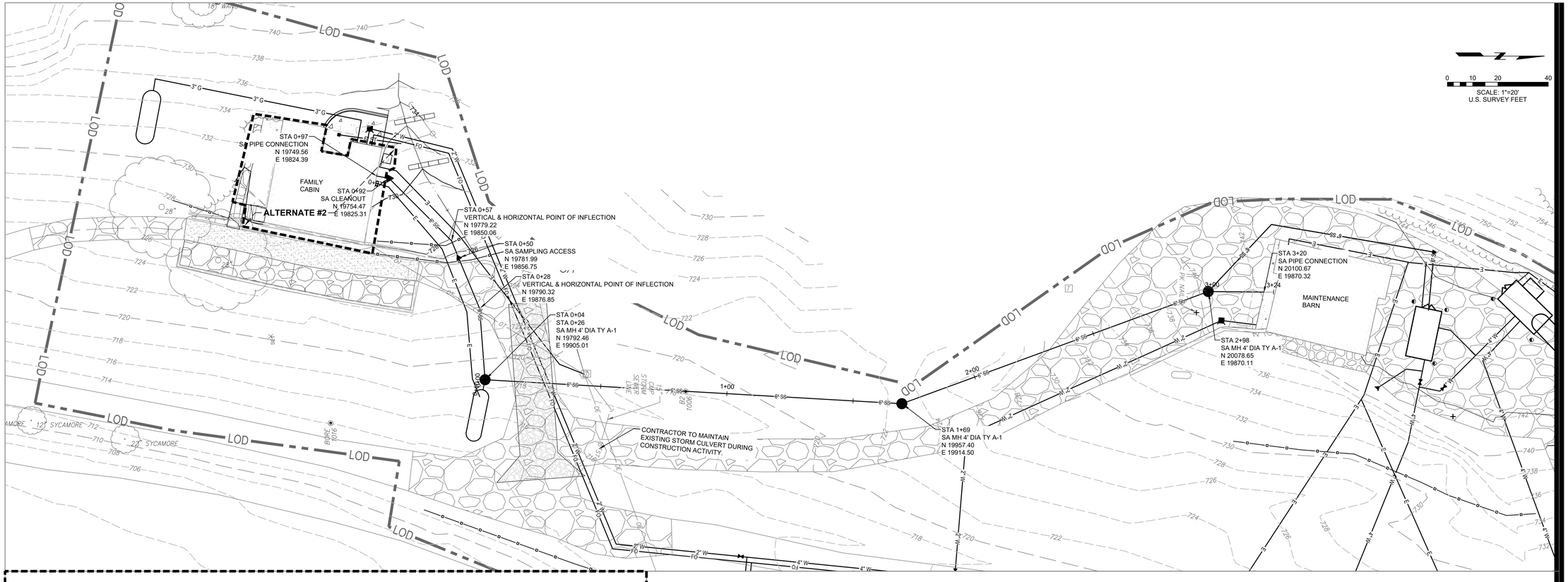
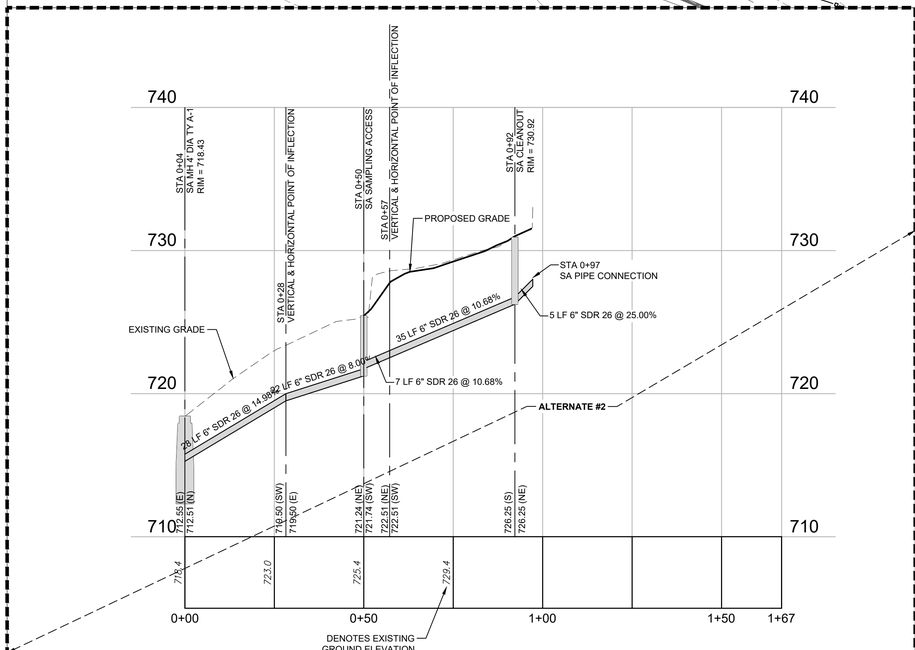
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

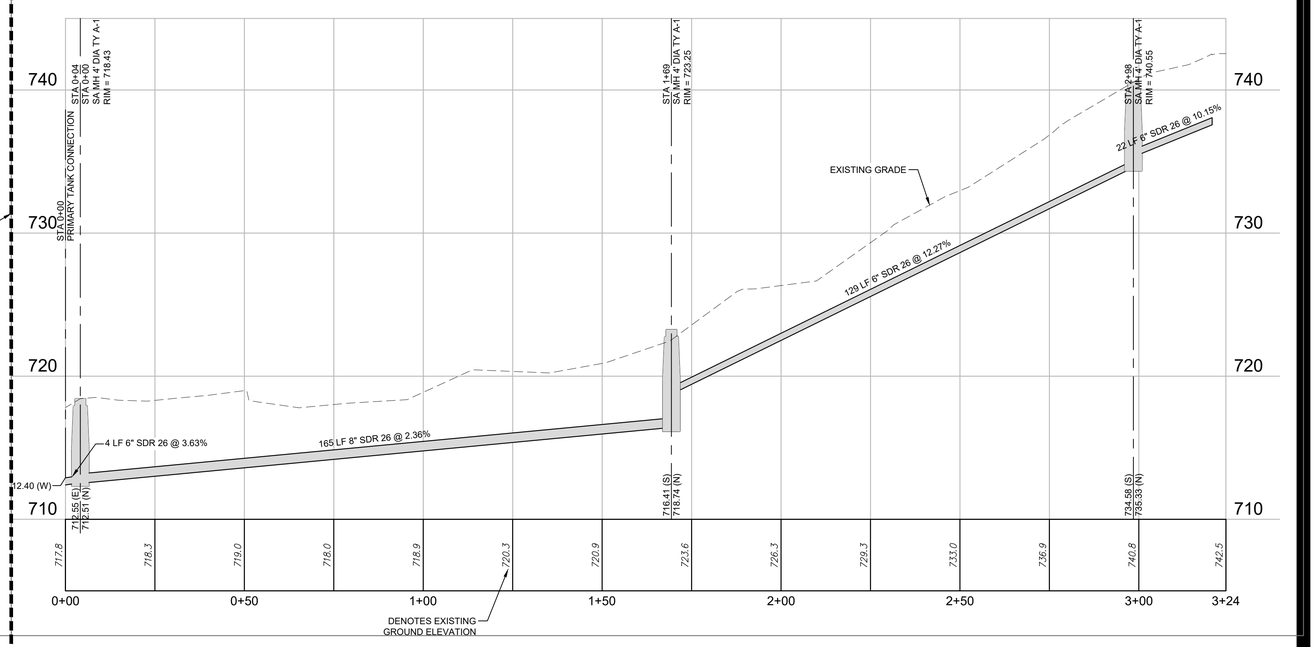
SHEET TITLE:
AREA 2
UTILITY PLAN

SHEET NUMBER:
C-124





SEPTIC TANK 2 TO FAMILY CABIN
SCALE: 20H:5V



SEPTIC TANK 2 TO MAINTENANCE BARN
SCALE: 20H:5V

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Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
AREA 2 -SANITARY SEWER PLAN & PROFILE

SHEET NUMBER:
C-124.1

FGI PROJECT NO. 0211627.00

Keyed Notes [#]

1. SAWCUT LINE
6. EXISTING GRAVEL WALK; TO BE REMOVED.
9. EXISTING SIGN TO BE REMOVED AND RELOCATED.
10. EXISTING TREE; TO BE REMOVED.

CLEARING SUMMARY

TOTAL AREA OF CLEARING	= 4.05 AC
PROTECTION ZONE - ABSORPTION FIELD	= 1.10 AC

0 15 30 60
SCALE: 1"=30'
U.S. SURVEY FEET

LOD
TREE CLEARING LIMITS
GRAVEL PAVING (TYP)
EVERGREEN TREE (SIZE NOTED)(TYP)
DECIDUOUS TREE (SIZE NOTED)(TYP)
TYPICAL TREE REMOVAL FOR ALL TREES IN THE CLEARING LIMITS NOTED.
ATTENTION ANGLERS SIGN (TYP)
EXISTING DRIVE ACCESS OVER DAM TO BE PROTECTED DURING CONSTRUCTION
STORM SEWER LINE
10" DIP
10"ST
EX PRIMARY OUTLET FOR UPPER LAKE
EX DUCTILE IRON CULVERT.
TOE OF DAM
FLOWLINE
UPPER LAKE

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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KEVIN N. HANNEL
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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	2B/Cabin C	7815232004
Lower Dorm	7815232010	2B/Cabin D	7815232005
Gymnasium	7815232011	2B/Cabin E	7815232006
Game Room	7815232012	2B/Cabin F	7815232007
Family Cabin	7815232013	2B/Cabin G	7815232008
RR Building	7815232014	2B/Cabin H	7815232009

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ISSUE DATE: 06/02/2025

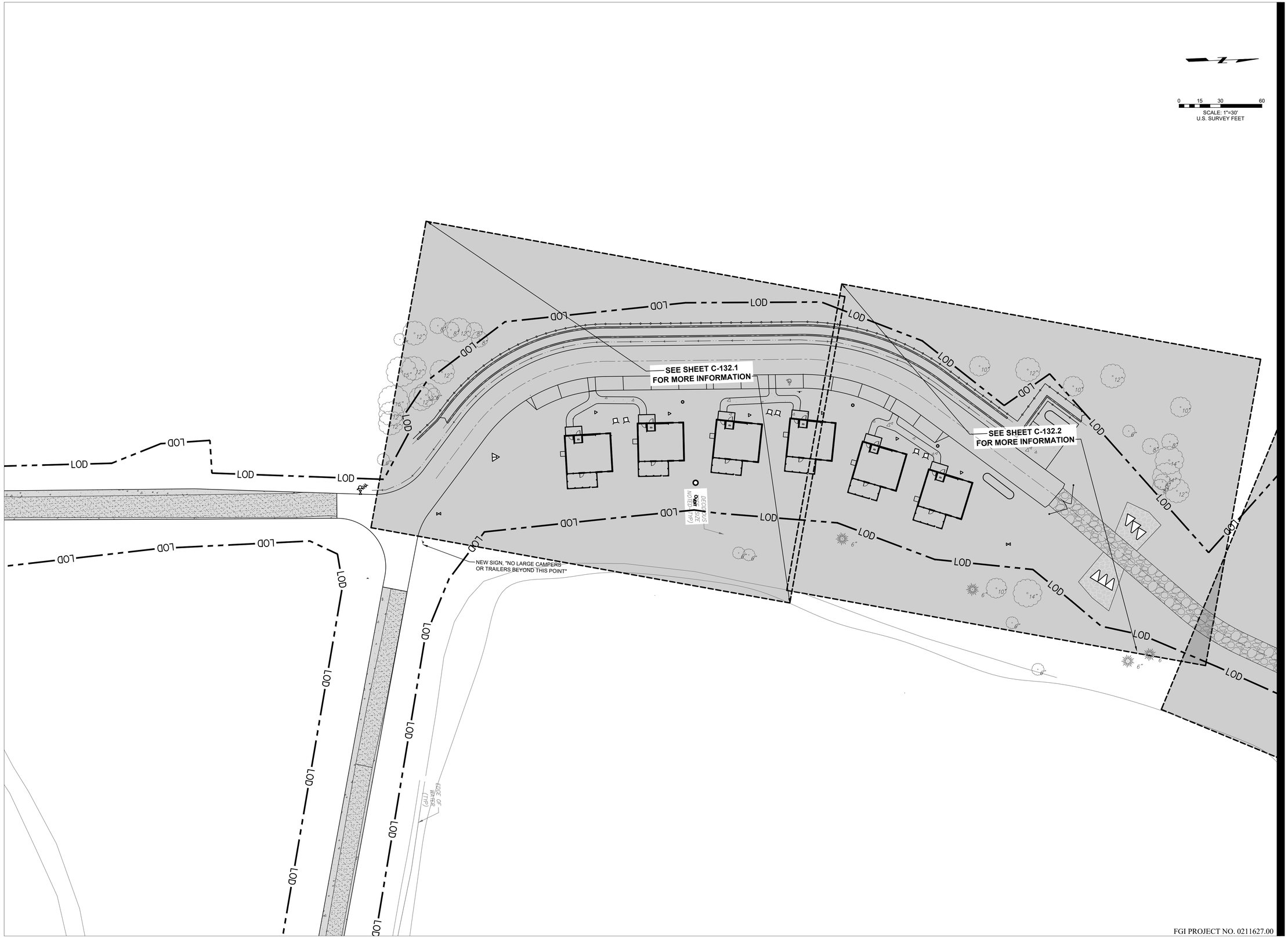
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 3
EXISTING CONDITION & DEMOLITION PLAN

SHEET NUMBER:

C-131



FGI PROJECT NO. 0211627.00

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☒
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☒
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☒
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☒
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☒
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☒

REVISION:
DATE:
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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 3
LAYOUT &
HARDSCAPE PLAN

SHEET NUMBER:

C-132

Keyed Notes

3. NEW MEDIUM DUTY HMA PAVEMENT (REFER TO 3/C.504).
6. NEW CONCRETE WALK/PAD (REFER TO 5/C.503).
13. NEW RETAINING WALL. (REFER TO C.133.1 GRADING PLAN AND 2/S.105)
15. NEW ADA PARKING SPACE WITH WHEELSTOP, SIGN, POST, AND HANDICAP SYMBOL, PAINT - BLUE (REFER TO 1/C.502,2/C.502,3/C/502, 4/C.502 AND 5/C.502).
18. NEW HANDRAIL (REFER TO 6/C.502).
26A. NEW HVAC PADS (REFER TO 5/C.503).
29. NEW SANITARY SEWER STRUCTURE; INCLUDING CLEANOUT, MANHOLE, SEPTIC TANK, OR AIR RELEASE VALVE. (REFER TO 2/C.509, 3/C.509 AND 4/C.509).

0 5 10 20
SCALE: 1"=10'
U.S. SURVEY FEET

LOD

UPPER WALL CENTERLINE ALIGNMENT (REFER TO RETAINING WALL PLAN & PROFILES FOR MORE INFORMATION)

LOWER WALL CENTERLINE ALIGNMENT (REFER TO RETAINING WALL PLAN & PROFILES FOR MORE INFORMATION)

PC = 79+09.70
N 21427.63
E 19939.63
L=41.82' R=174.30'
CB=N20°01'23"E
Δ=36°38'53"
CH=109.72'

L=107.10' R=167.50'
CB=N20°00'59"E
Δ=36°18'05"
CH=105.28'

N 21427.43
E 19946.62
PC = 72+80.63

N01°41'56"E 135.40'
N01°41'56"E 135.52'
N01°41'56"E 135.83'

PT = 77+74.30
N 21292.29
E 19935.61

PT = 71+45.11
N 21291.97
E 19942.60

PT = 65+60.00
N 21291.74
E 19936.09

PC = 51+96.71
N 21426.91
E 19984.11

79+00
78+00
73+00
72+00
71+00
68+00
58+00
57+00
56+00

4" WHITE STRIPING (TYP.)

L=115.56' R=121.52'
CB=N23°29'37"W
Δ=54°29'08"
CH=111.26'

L=131.91' R=139.02'
CB=N23°29'37"W
Δ=54°29'08"
CH=127.02'

L=139.18' R=146.52'
CB=N23°29'37"W
Δ=54°29'08"
CH=133.52'

PC = 76+35.86
N 21170.06
E 19988.84
N50°55'58"W 8.22'
PI = 76+27.64
N 21164.88
E 19995.22
N50°55'58"W 3.19'
PI = 76+24.44
N 21162.87
E 19997.70
N 21170.32
E 19999.63
N 21148.34
E 20010.62

PC = 70+13.20
N 21175.49
E 19993.26
PC = 55+45.32
N 21189.95
E 20004.32

70+00
76+00
55+00
N50°55'58"W 45.32'

NEW TRANSFORMER
CONTRACTOR TO INSTALL CONCRETE PAD TO HOEC REQUIREMENTS. TRANSFORMER TO BE INSTALLED BY HOEC

ACCESS ROAD CABINS CENTERLINE ALIGNMENT (REFER TO ROADWAY PLAN & PROFILES FOR MORE INFORMATION)

NEW CABIN C
HVAC EQUIPMENT TO BE ANCHORED TO BUILDING FOUNDATION
ELEVATED DECK
N 21254.39 E 20012.19
N 21287.96 E 20011.66
N 21254.84 E 20040.28
N 21288.41 E 20039.75
N 21276.98 E 20050.52
N 21255.03 E 20050.86

NEW CABIN D
HVAC EQUIPMENT TO BE ANCHORED TO BUILDING FOUNDATION
ELEVATED DECK
N 21307.42 E 20005.43
N 21340.99 E 20006.08
N 21340.44 E 20034.17
N 21306.88 E 20033.52
N 21328.64 E 20044.53
N 21306.69 E 20044.11

NEW CABIN E
HVAC EQUIPMENT TO BE ANCHORED TO BUILDING FOUNDATION
ELEVATED DECK
N 21364.68 E 20005.00
N 21397.91 E 20009.82
N 21360.65 E 20032.80
N 21393.88 E 20037.62
N 21359.16 E 20043.28
N 21380.88 E 20046.43

NEW CABIN F
ELEVATED DECK
N 21417.84 E 20006.28
N 21413.80 E 20034.09
N 21412.31 E 20044.56

DECIDUOUS TREE (SIZE NOTED - TYP.)

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☐	QBICabin C	7815232004	☐
Lower Dorm	7815232010	☐	QBICabin D	7815232005	☐
Gymnasium	7815232011	☐	QBICabin E	7815232006	☐
Game Room	7815232012	☐	QBICabin F	7815232007	☐
Family Cabin	7815232013	☐	QBICabin G	7815232008	☐
WS Building	7815232014	☐	QBICabin H	7815232009	☐

REVISION:
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ISSUE DATE: 06/02/2025

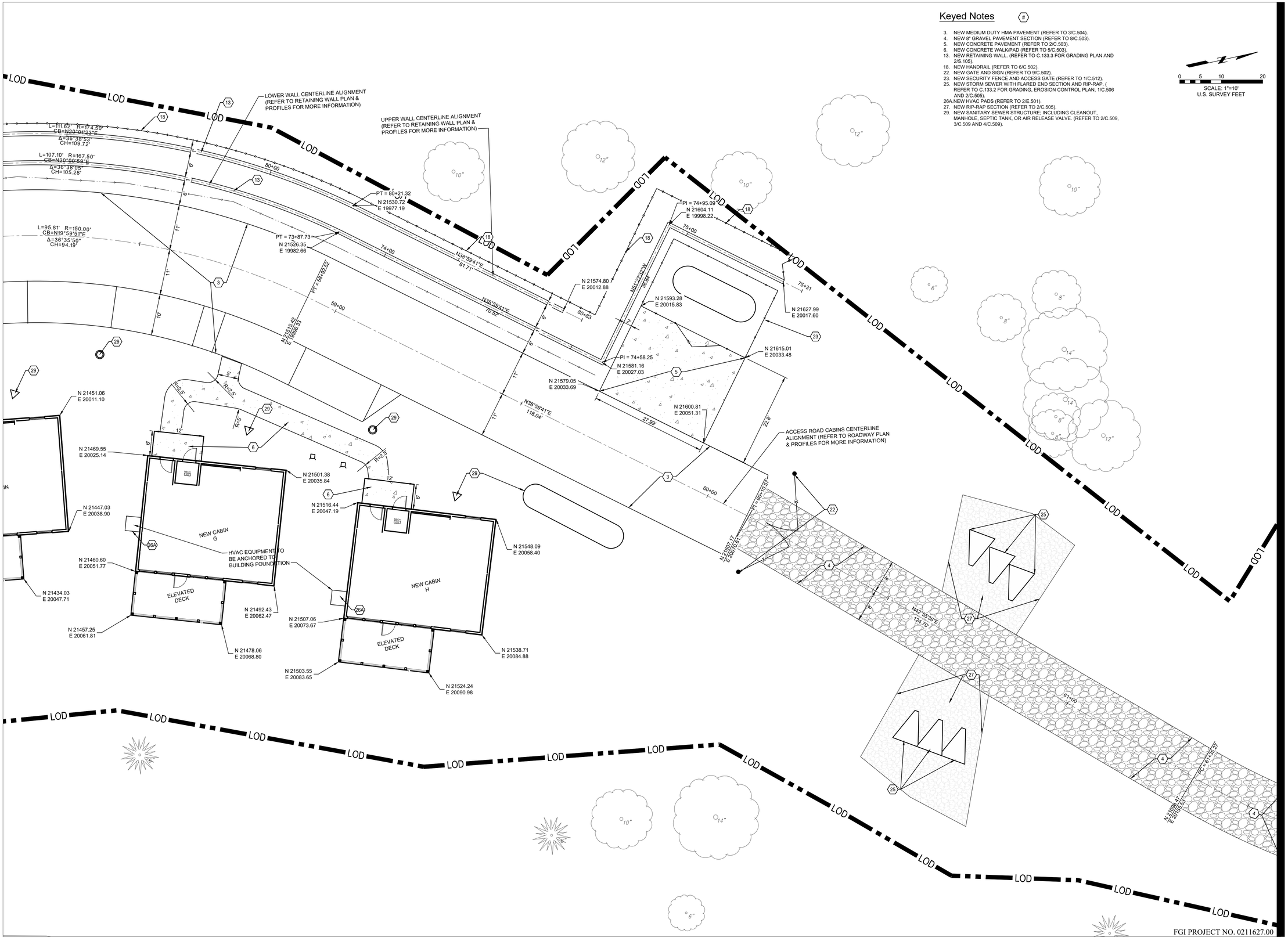
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 3 - SOUTH LAYOUT & HARDSCAPE PLAN

SHEET NUMBER:

C-132.1



Keyed Notes

3. NEW MEDIUM DUTY HMA PAVEMENT (REFER TO 3/C.504).
4. NEW 8" GRAVEL PAVEMENT SECTION (REFER TO 8/C.503).
5. NEW CONCRETE PAVEMENT (REFER TO 2/C.503).
6. NEW CONCRETE WALK/PAD (REFER TO 5/C.503).
13. NEW RETAINING WALL. (REFER TO C.133.3 FOR GRADING PLAN AND 2/S.105).
18. NEW HANDRAIL (REFER TO 6/C.502).
22. NEW GATE AND SIGN (REFER TO 9/C.502).
23. NEW SECURITY FENCE AND ACCESS GATE (REFER TO 1/C.512).
25. NEW STORM SEWER WITH FLARED END SECTION AND RIP-RAP. (REFER TO C.133.2 FOR GRADING, EROSION CONTROL PLAN, 1/C.506 AND 2/C.505).
26A. NEW HVAC PADS (REFER TO 2/E.501).
27. NEW RIP-RAP SECTION (REFER TO 2/C.505).
29. NEW SANITARY SEWER STRUCTURE; INCLUDING CLEANOUT, MANHOLE, SEPTIC TANK, OR AIR RELEASE VALVE. (REFER TO 2/C.509, 3/C.509 AND 4/C.509).

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

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DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

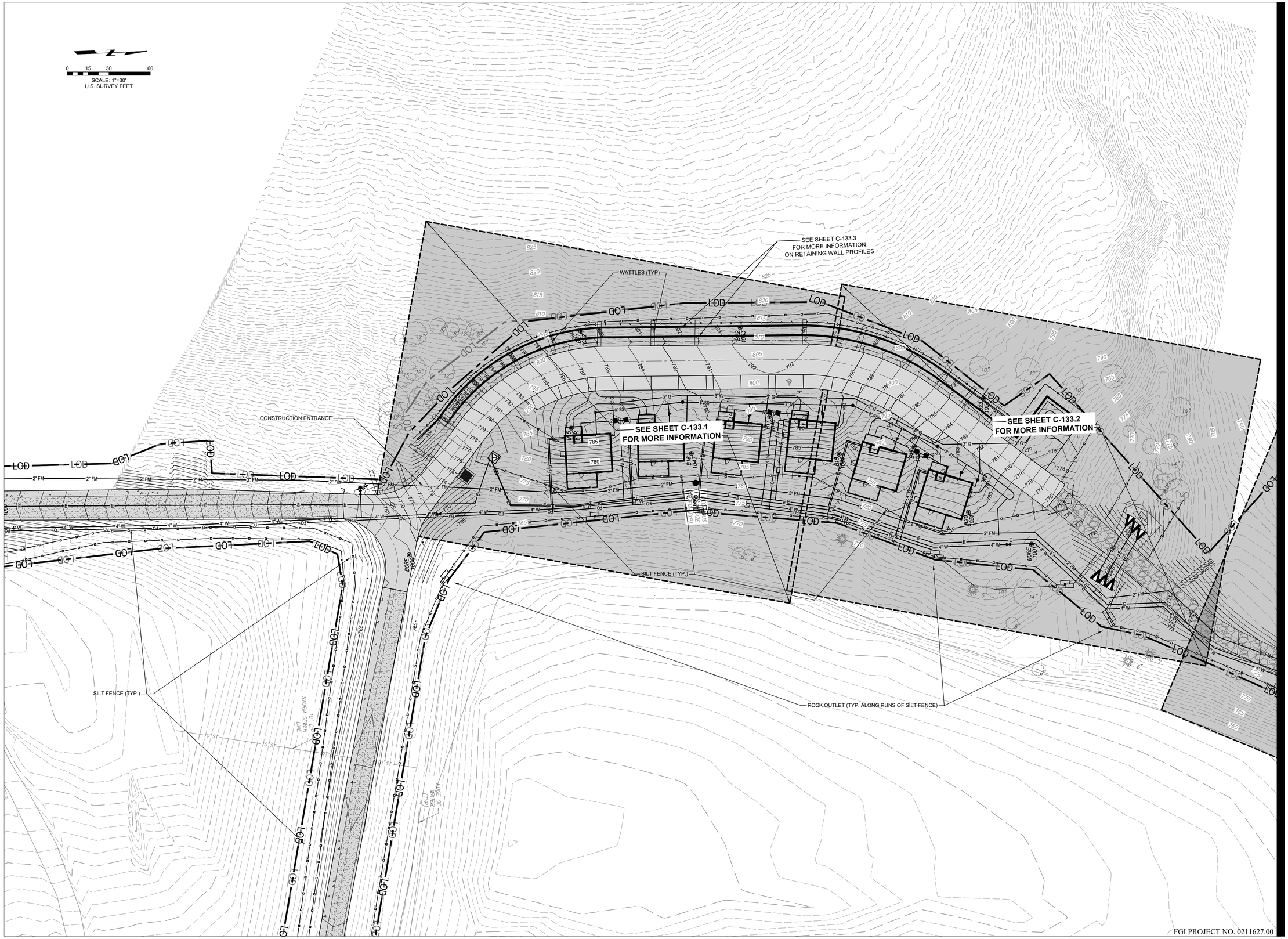
AREA 3 - NORTH LAYOUT & HARDSCAPE PLAN

SHEET NUMBER:

C-132.2

SHEET 45 of 219
ISSUE DATE 11/26/2025

FGI PROJECT NO. 0211627.00


SCALE: 1"=30'
U.S. SURVEY FEET
SEE SHEET C-133.3
FOR MORE INFORMATION
ON RETAINING WALL PROFILES
WATTLES (TYP)
SEE SHEET C-133.1
FOR MORE INFORMATION
SEE SHEET C-133.2
FOR MORE INFORMATION
CONSTRUCTION ENTRANCE
SILT FENCE (TYP.)
SILT FENCE (TYP.)
ROCK OUTLET (TYP. ALONG RUNS OF SILT FENCE)
LOD
2" FM
4" W
10" SS
STORM SEWER LINE
10'ST
SCALE OF MULCH (TYP)
30'
BORE
1001
1002
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
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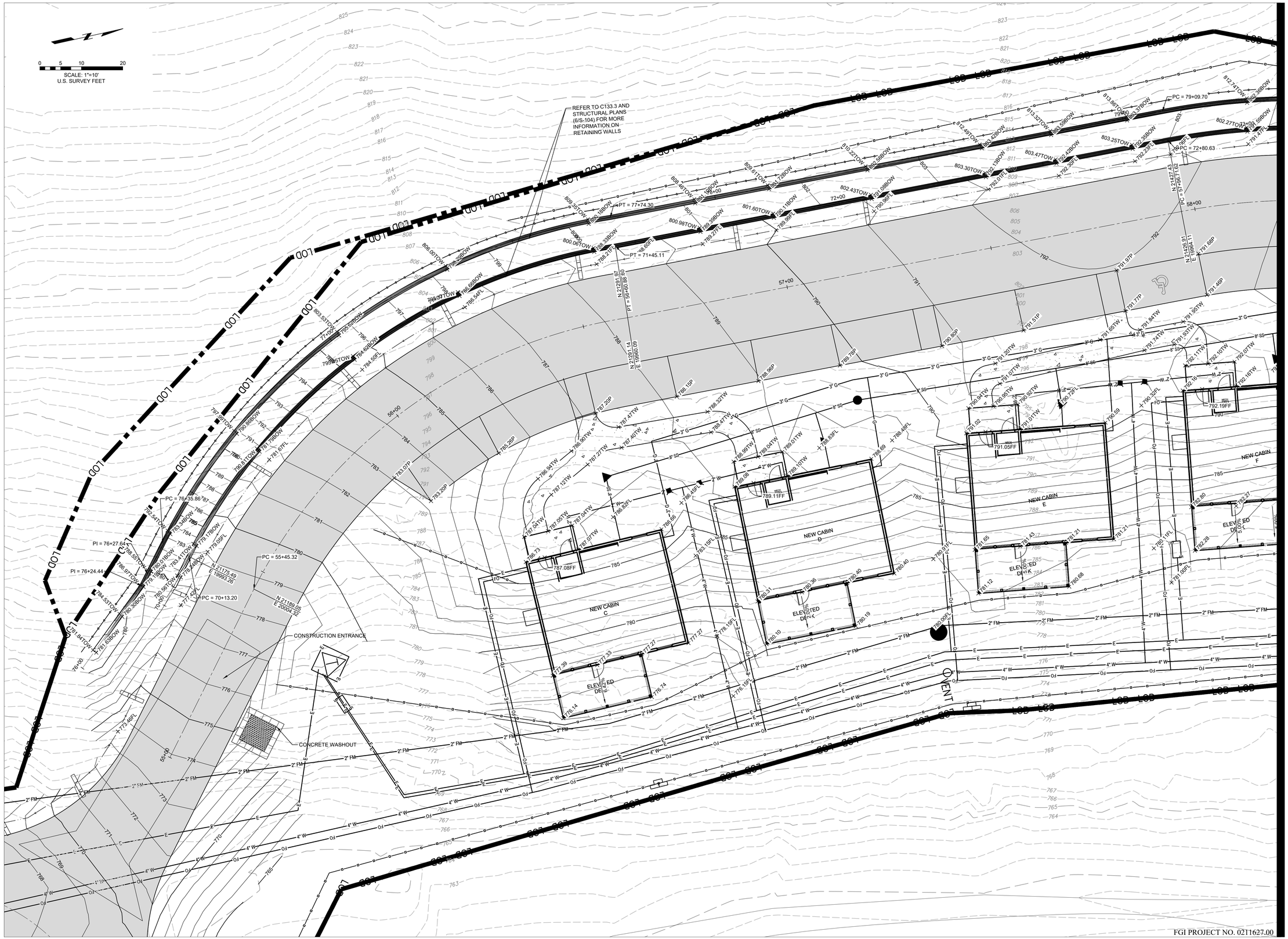

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

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ASSET #

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Gymnasium	7815232011	QB|Cabin E	7815232006
Game Room	7815232012	QB|Cabin F	7815232007
Family Cabin	7815232013	QB|Cabin G	7815232008
BB Building	7815232014	QB|Cabin H	7815232009

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CAD DWG FILE:
DRAWN BY: NJT
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DESIGNED BY: JSE

SHEET TITLE:

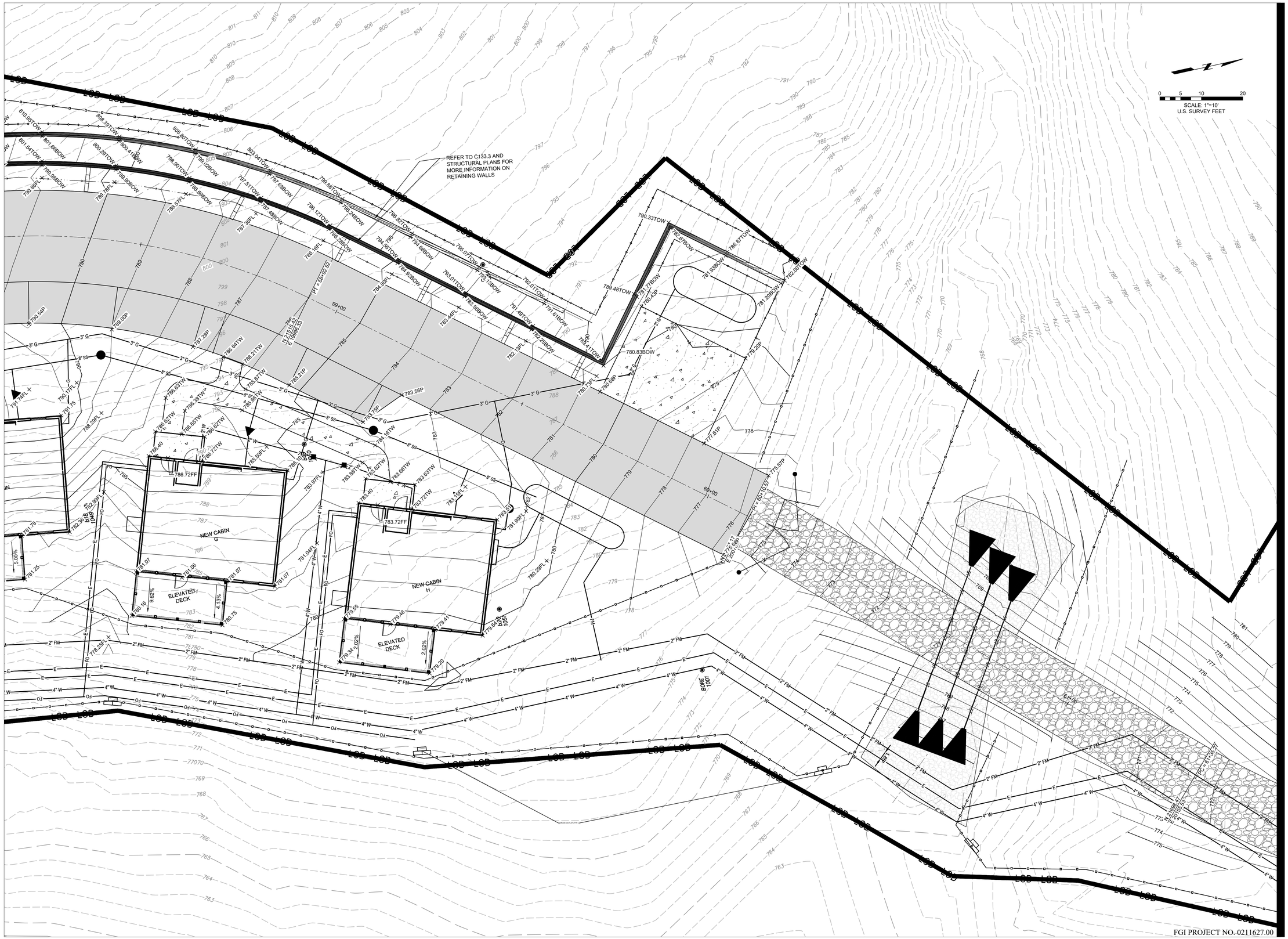
AREA 3 - SOUTH DETAIL GRADING PLAN

SHEET NUMBER:

C-133.1

SHEET 47 of 219
ISSUE DATE 11/26/2025

FGI PROJECT NO. 0211627.00



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ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
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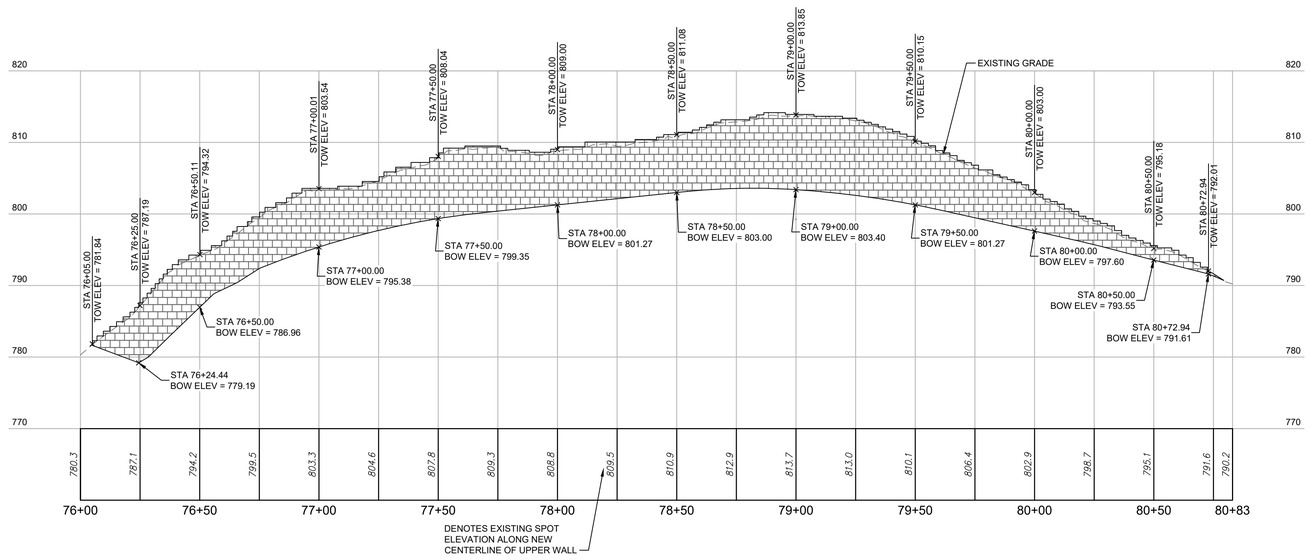
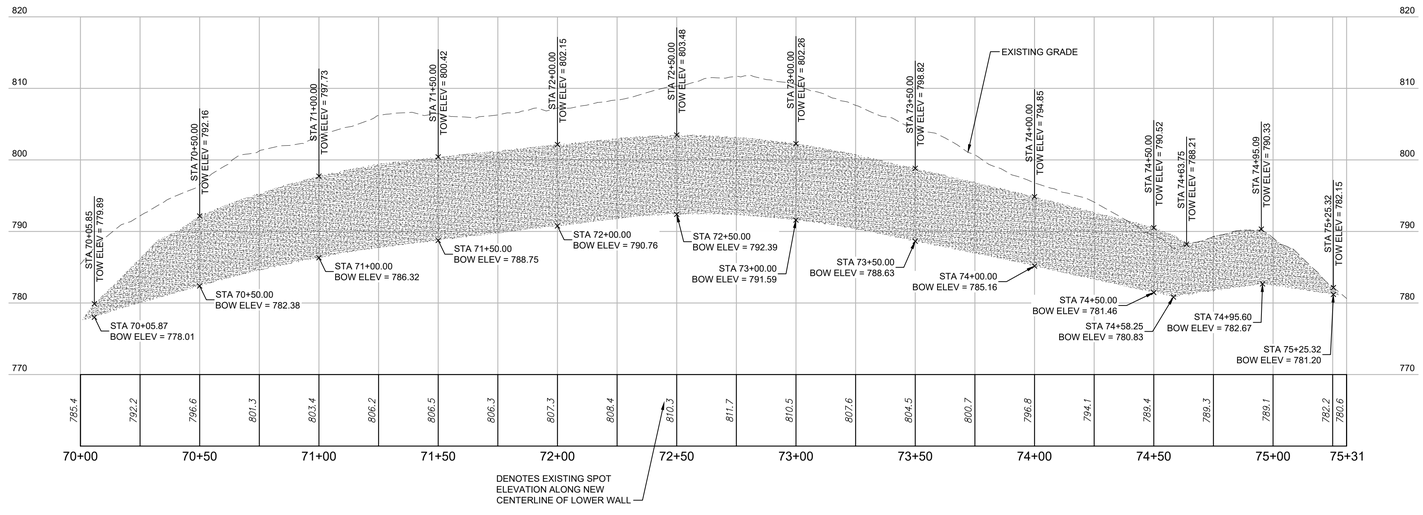
DESIGNED BY: JSE

SHEET TITLE:
AREA 3 - NORTH DETAIL GRADING PLAN

SHEET NUMBER:
C-133.2



UPPER WALL
SCALE: 30H : 10V



LOWER WALL
SCALE: 30H : 10V

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
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Salem, Missouri

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Game Room	7815232012	☐	QB|Cabin F	7815232007	☐
Family Cabin	7815232013	☐	QB|Cabin G	7815232008	☐
WE Building	7815232014	☐	QB|Cabin H	7815232009	☐

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ISSUE DATE: 06/02/2025

CAD DWG FILE:
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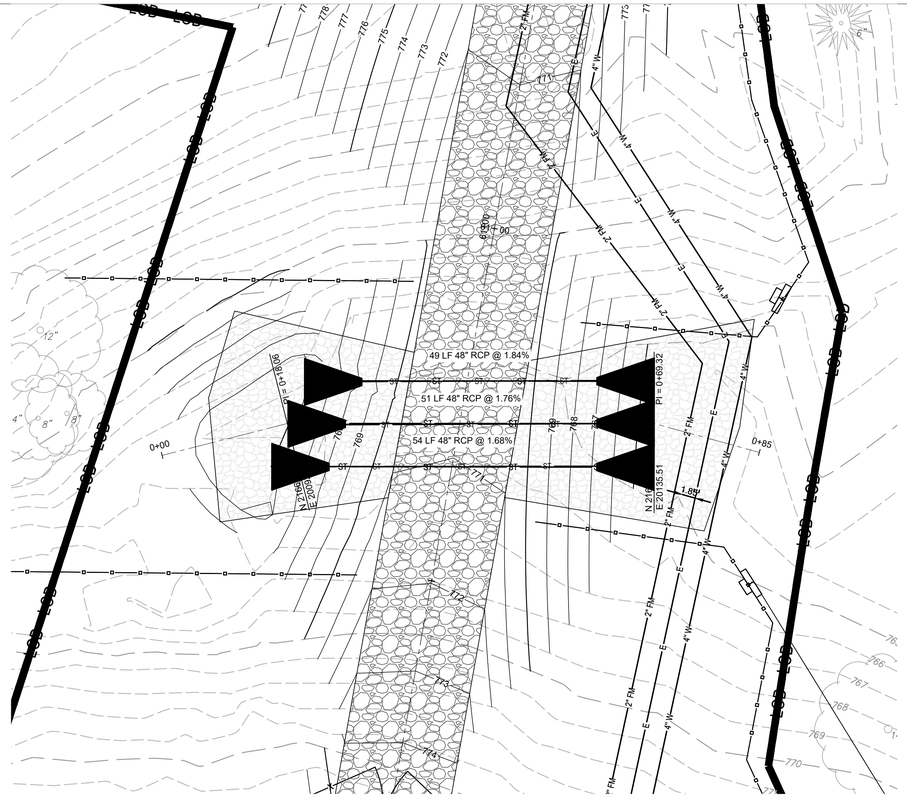
DESIGNED BY: JSE

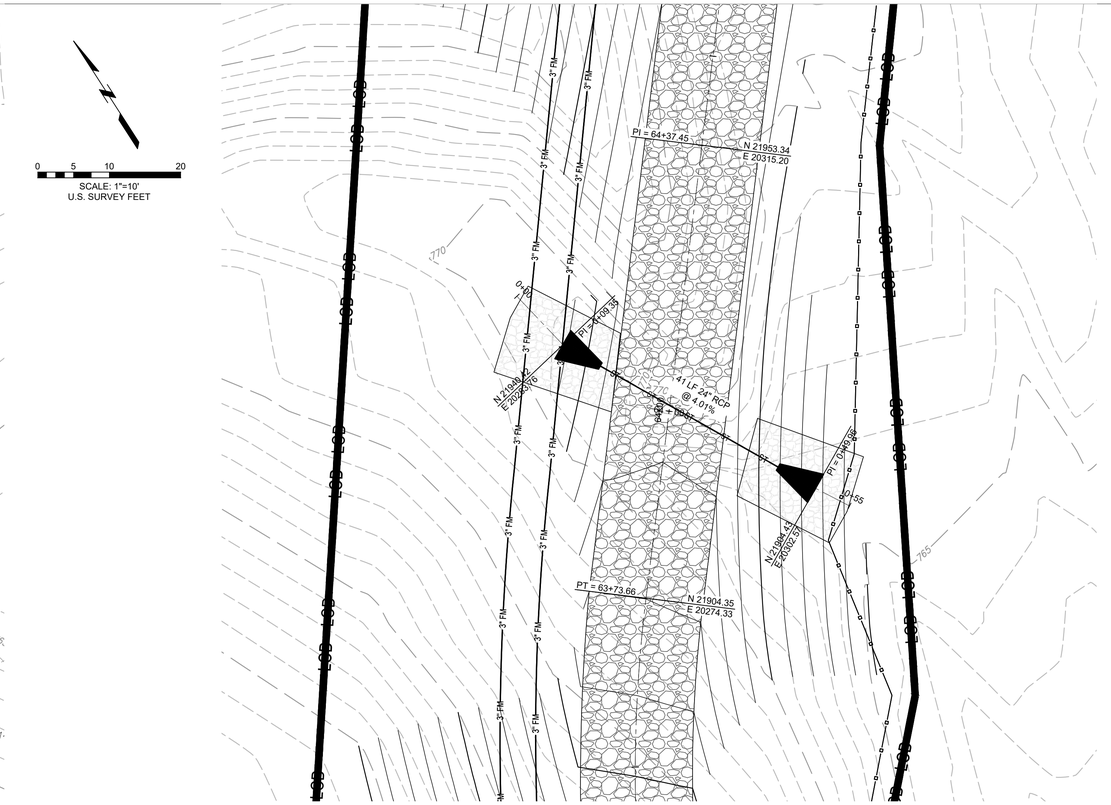
SHEET TITLE:

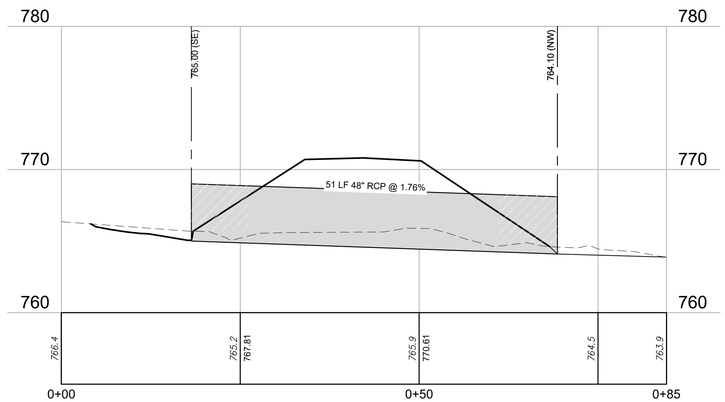
AREA 3 - LOWER & UPPER RETAINING WALL PROFILES

SHEET NUMBER:

C-133.3



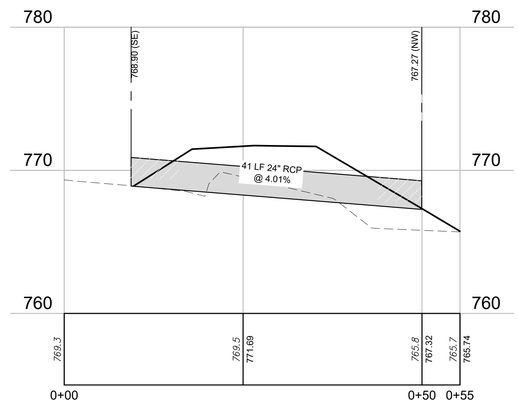




48 - CULVERT

CENTERLINE PROFILE

SCALE: 1"=10' HORIZONTAL 1" = 5' VERTICAL



24 - CULVERT

CENTERLINE PROFILE

SCALE: 1"=10' HORIZONTAL 1" = 5' VERTICAL

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 3 - CULVERT PLAN & PROFILES

SHEET NUMBER:

C-133.4

Keyed Notes - Utility Plan

1. 4" WATERMAIN (REFER TO SHEETS C.201-C.207).
2. 2" WATER SERVICE WITH CURB STOP AND VALVE BOX (REFER TO 2/C.507).
3. UTILITY CONNECTIONS AT BUILDING (REFER TO MEP PLANS).
4. NEW YARD HYDRANT (REFER TO 3/C.507)
5. NEW GATE VALVE AND VALVE BOX (REFER TO 2/C.507)
8. NEW SANITARY SERVICE CLEANOUT AND PIPE INCREASER 4" TO 6" DIAMETER (REFER TO 2/C.509).
9. NEW FORCE MAIN (REFER TO SHEETS C.201-C.207).
10. NEW ELECTRICAL LINE (REFER TO ELECTRICAL PLANS).
12. NEW PROPANE SERVICE LINE. PROPANE PIPING, FITTINGS, AND ACCESSORIES TO BE PER MANUFACTURERS RECOMMENDATION. (REFER TO 3/P.601 FOR BUILDING CONNECTION).
13. NEW PROPANE TANK LOCATION (CONTRACTOR TO COORDINATE WITH OWNER AND LOCAL PROPANE SUPPLIER FOR ADDITIONAL INFORMATION).



FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	O	(2B)Cabin C	7815232004	O
Lower Dorm	7815232010	O	(2B)Cabin D	7815232005	O
Gymnasium	7815232011	O	(2B)Cabin E	7815232006	O
Game Room	7815232012	O	(2B)Cabin F	7815232007	O
Family Cabin	7815232013	O	(2B)Cabin G	7815232008	O
RR Building	7815232014	O	(2B)Cabin H	7815232009	O

REVISION:
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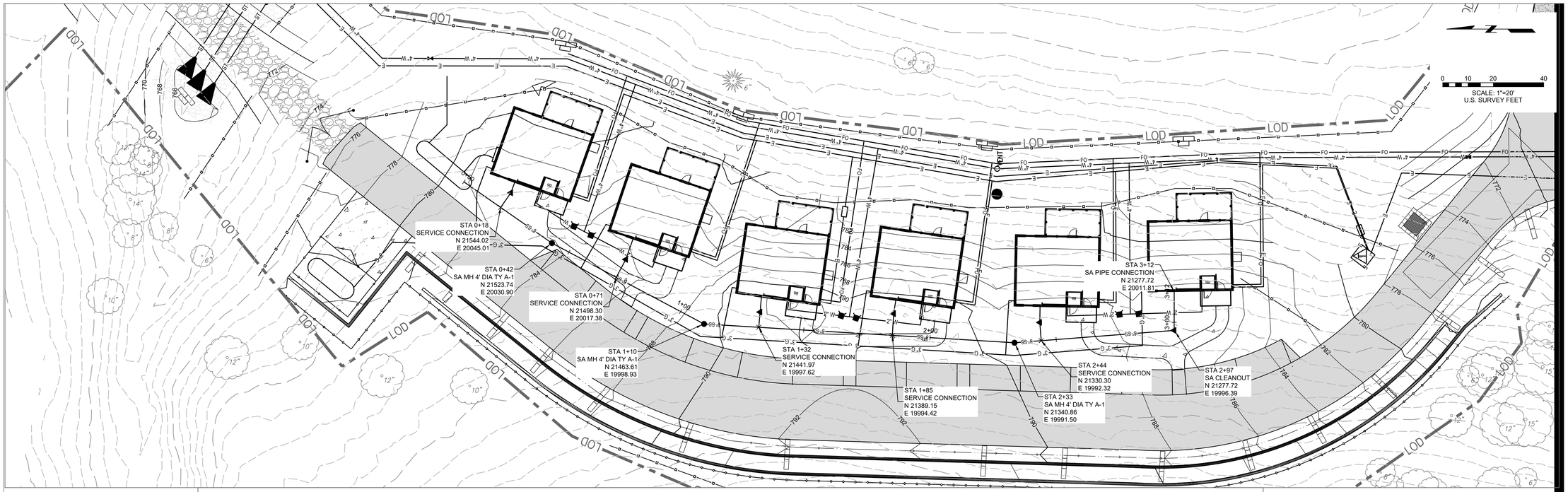
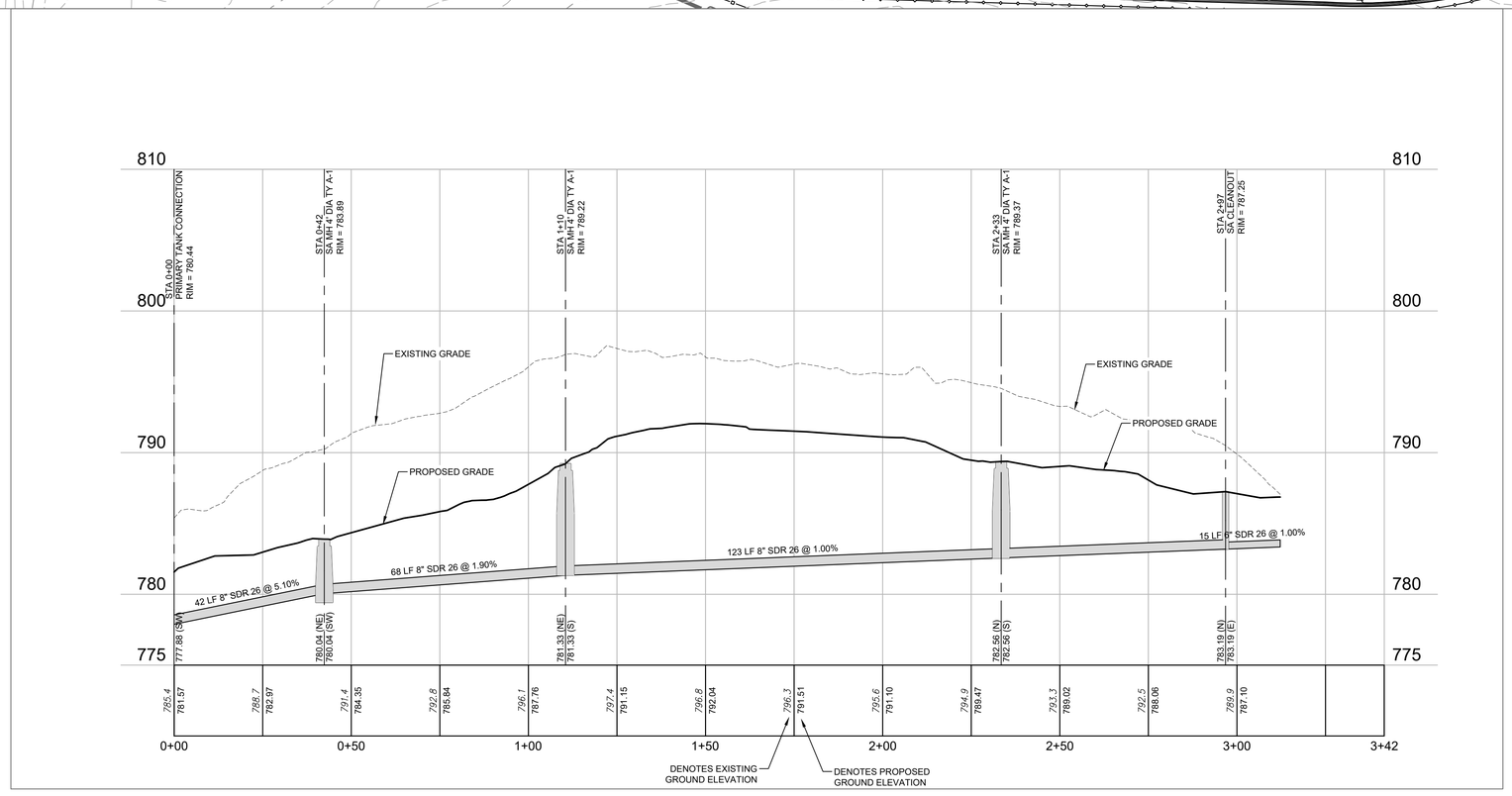
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
AREA 3
UTILITY PLAN

SHEET NUMBER:
C-134





SANITARY SERVICE FOR 6 NEW CABINS
SCALE: 20H:5V

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
KEVIN N. HANNEL
NUMBER
PE-2008028938
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

REVISION:
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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
AREA 3 - SANITARY SEWER PLAN & PROFILE

SHEET NUMBER:
C-134.1

SHEET 52 of 219
ISSUE DATE 11/26/2025

FGI PROJECT NO. 0211627.00

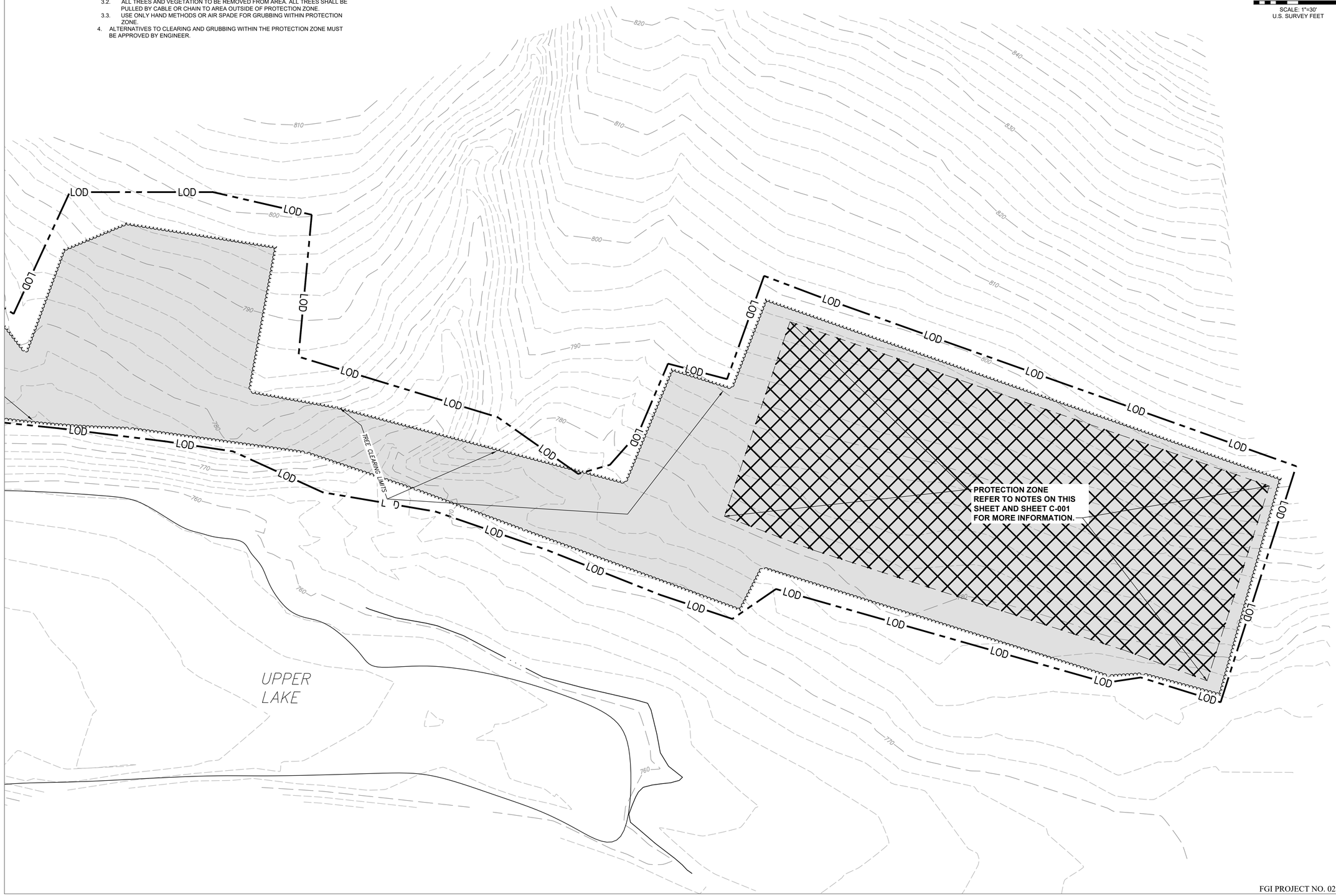
CLEARING AND GRUBBING WITHIN PROTECTION ZONES FOR FUTURE WASTEWATER ABSORPTION FIELD:

1. ALL WORK SHALL BE DONE IN A MANNER TO LIMIT DISTURBANCE TO THE SOIL STRUCTURE.
2. MOTORIZED VEHICLES SHALL NOT BE DRIVEN WITHIN ANY AREA NOTED AS A PROTECTION ZONE.
3. THE FOLLOWING SHALL BE REMOVED FROM PROTECTION ZONE: TREES, SHRUBS, AND OTHER VEGETATION AS DIRECTED BELOW.
   - 3.1. STUMPS AND ROOTS TO BE LEFT INTACT. DO NOT REMOVE.
   - 3.2. ALL TREES AND VEGETATION TO BE REMOVED FROM AREA. ALL TREES SHALL BE PULLED BY CABLE OR CHAIN TO AREA OUTSIDE OF PROTECTION ZONE.
   - 3.3. USE ONLY HAND METHODS OR AIR SPADE FOR GRUBBING WITHIN PROTECTION ZONE.
4. ALTERNATIVES TO CLEARING AND GRUBBING WITHIN THE PROTECTION ZONE MUST BE APPROVED BY ENGINEER.

CLEARING SUMMARY

TOTAL AREA OF CLEARING	= 4.05 AC
PROTECTION ZONE - ABSORPTION FIELD	= 1.09 AC

0 15 30 60
SCALE: 1"=30'
U.S. SURVEY FEET



FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
KEVIN N. HANNEL
NUMBER PE-2009012878
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	C	(2B)Cabin C	7815232004	C
Lower Dorm	7815232010	C	(2B)Cabin D	7815232005	C
Gymnasium	7815232011	C	(2B)Cabin E	7815232006	C
Game Room	7815232012	C	(2B)Cabin F	7815232007	C
Family Cabin	7815232013	C	(2B)Cabin G	7815232008	C
BR Building	7815232014	C	(2B)Cabin H	7815232009	C

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

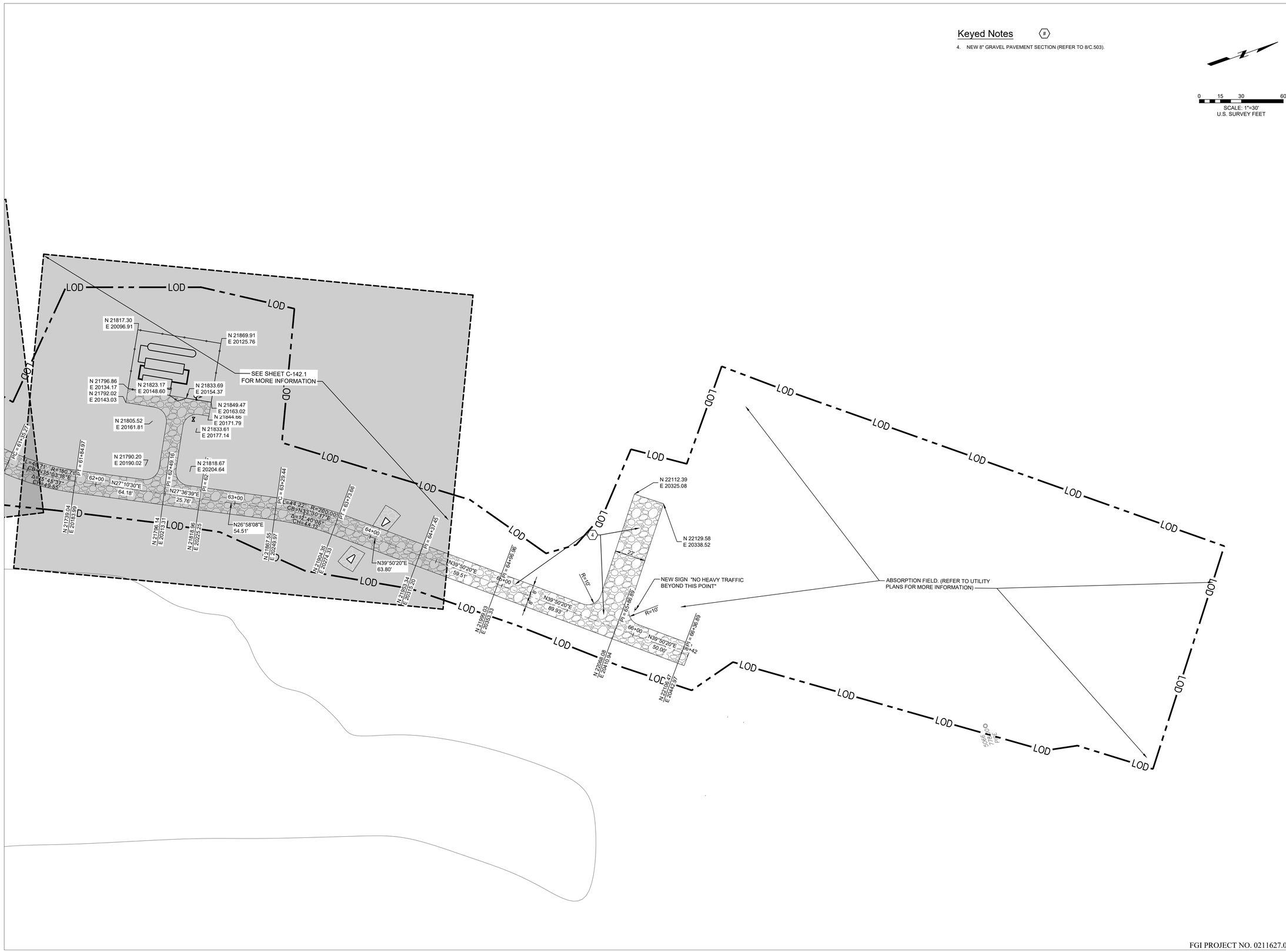
AREA 4
EXISTING CONDITION & DEMOLITION PLAN

SHEET NUMBER:

C-141

Keyed Notes

4. NEW 8" GRAVEL PAVEMENT SECTION (REFER TO 8/C.503).



FGI PROJECT NO. 0211627.00

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	C	QB/Cabin C	7815232004	C
Lower Dorm	7815232010	C	QB/Cabin D	7815232005	C
Gymnasium	7815232011	C	QB/Cabin E	7815232006	C
Game Room	7815232012	C	QB/Cabin F	7815232007	C
Family Cabin	7815232013	C	QB/Cabin G	7815232008	C
RR Building	7815232014	C	QB/Cabin H	7815232009	C

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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

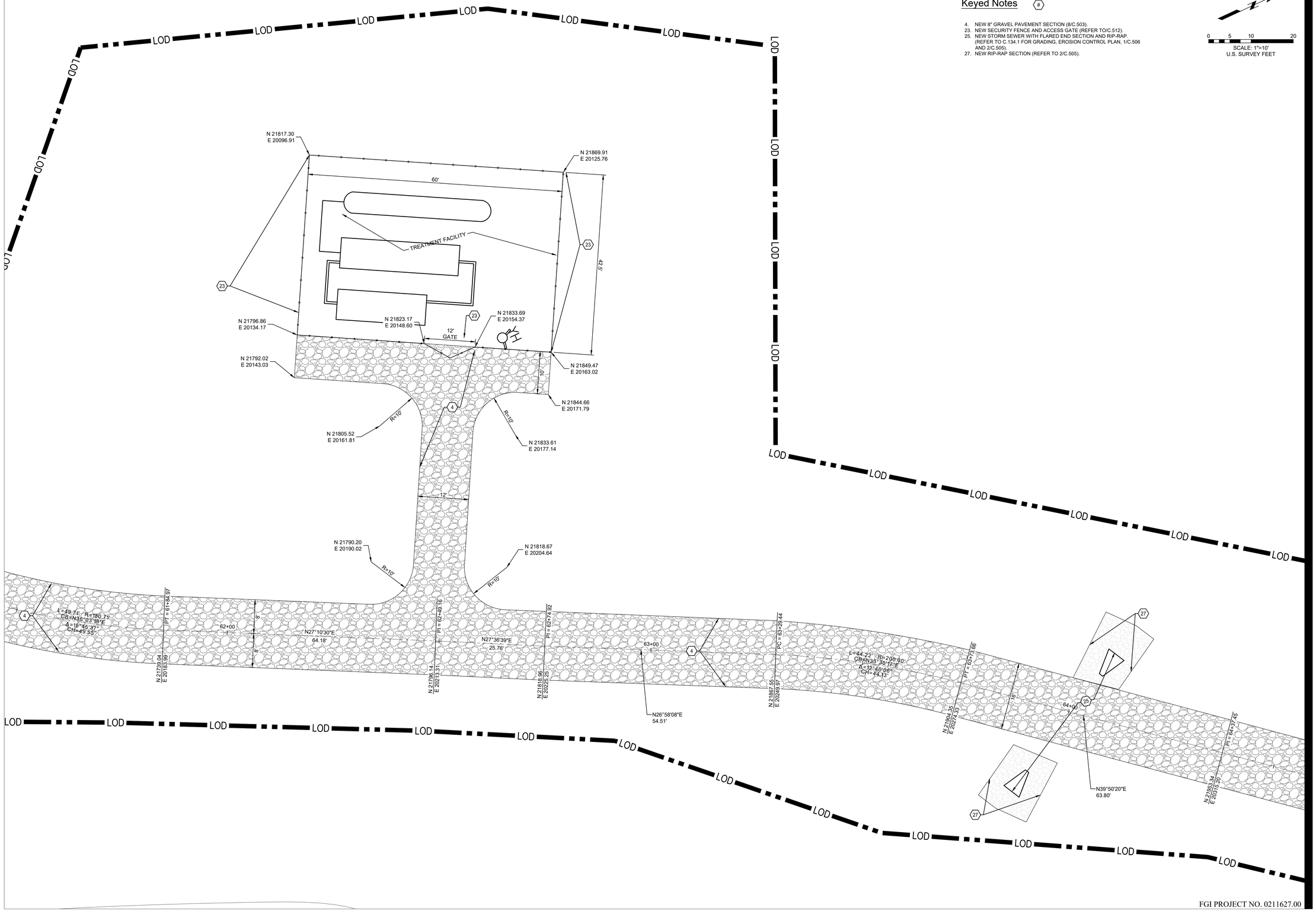
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 4 LAYOUT & HARDSCAPE PLAN

SHEET NUMBER:

C-142



Keyed Notes

4. NEW 8" GRAVEL PAVEMENT SECTION (8/C.503).
23. NEW SECURITY FENCE AND ACCESS GATE (REFER TO/C.512).
25. NEW STORM SEWER WITH FLARED END SECTION AND RIP-RAP. (REFER TO C.134.1 FOR GRADING, EROSION CONTROL PLAN, 1/C.506 AND 2/C.505).
27. NEW RIP-RAP SECTION (REFER TO 2/C.505).

0 5 10 20
SCALE: 1"=10'
U.S. SURVEY FEET

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
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STATE OF MISSOURI
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	D	(2B)Cabin C		7815232004
Lower Dorm	7815232010	D	(2B)Cabin D	D	7815232005
Gymnasium	7815232011	D	(2B)Cabin E	D	7815232006
Game Room	7815232012	D	(2B)Cabin F	D	7815232007
Family Cabin	7815232013	D	(2B)Cabin G	D	7815232008
RR Building	7815232014	D	(2B)Cabin H	D	7815232009

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REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

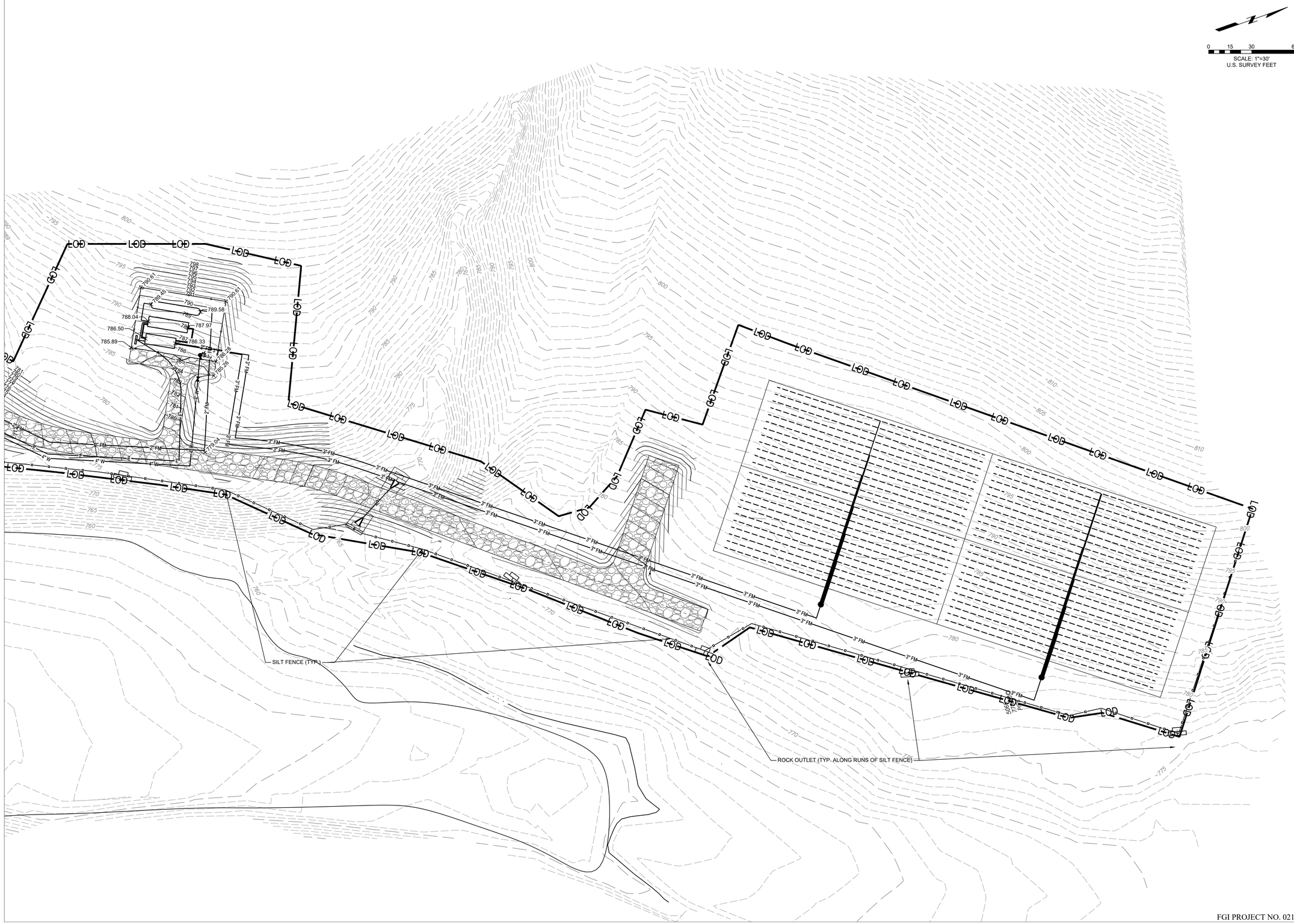
SHEET TITLE:

AREA 4 - TREATMENT FACILITY LAYOUT & HARDSCAPE PLAN

SHEET NUMBER:

C-142.1

SHEET 55 of 219
ISSUE DATE 11/26/2025



FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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KEVIN N. HANNEL
NUMBER PE-2009012878
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☐	QB\Cabin C	☐	7815232004
Lower Dorm	7815232010	☐	QB\Cabin D	☐	7815232005
Gymnasium	7815232011	☐	QB\Cabin E	☐	7815232006
Game Room	7815232012	☐	QB\Cabin F	☐	7815232007
Family Cabin	7815232013	☐	QB\Cabin G	☐	7815232008
BR Building	7815232014	☐	QB\Cabin H	☐	7815232009

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REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

AREA 4 GRADING & EROSION CONTROL PLAN

SHEET NUMBER:

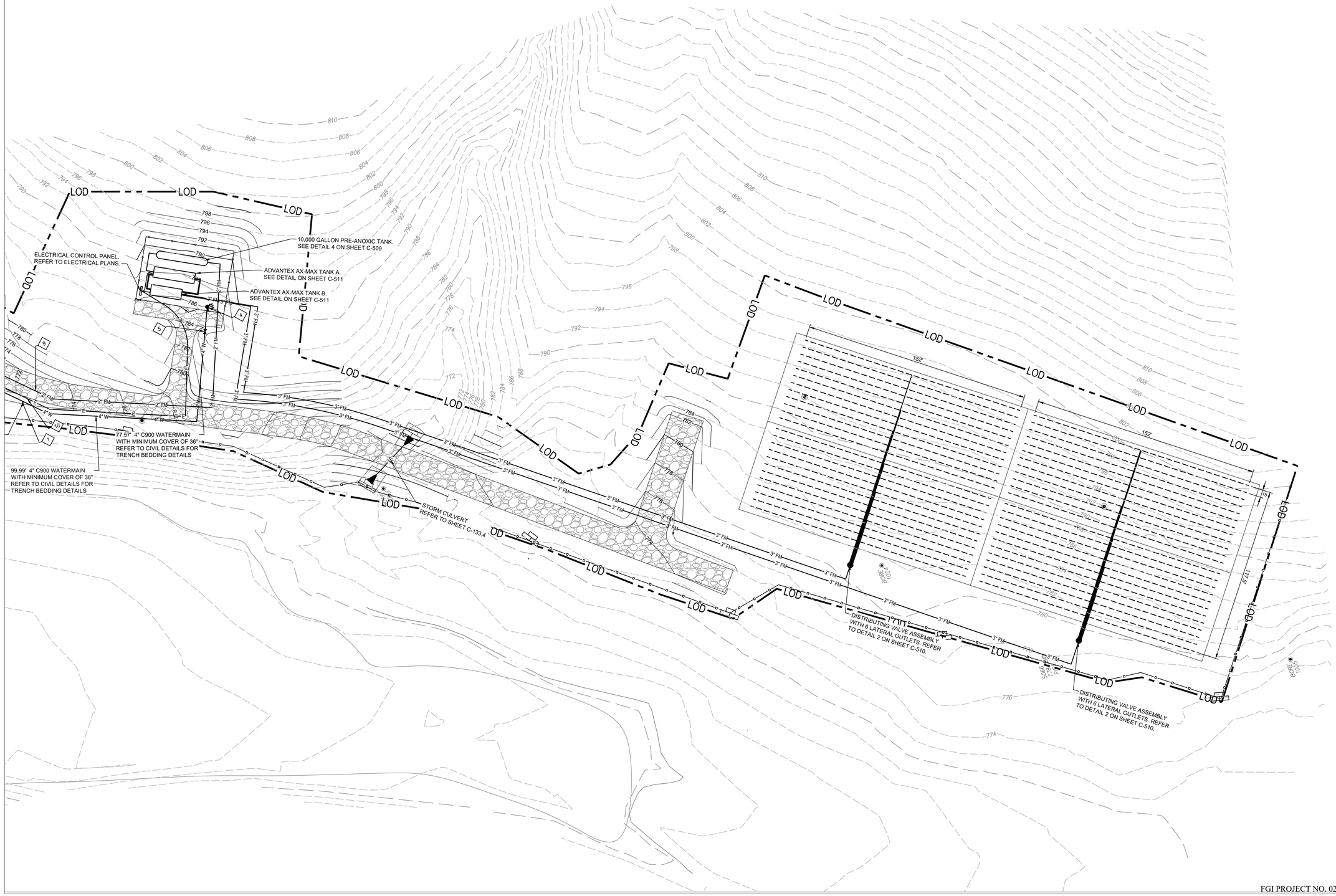
C-143

Keyed Notes - Utility Plan

1. 4" WATERMAIN (REFER TO SHEETS C.201-C.207).
4. NEW YARD HYDRANT (REFER TO 3/C.507)
5. NEW GATE VALVE AND VALVE BOX (REFER TO 2/C.507)
9. NEW FORCE MAIN (REFER TO SHEETS C.201-C.207).
10. NEW ELECTRICAL LINE (REFER TO ELECTRICAL PLANS).

GENERAL NOTE:
1. REFER TO CIVIL DETAIL SHEET C-509 FOR PRE-ANOXIC TANK AND PUMP DETAILS.
2. REFER TO CIVIL DETAIL SHEET C-510 FOR ABSORPTION FIELD DETAILS AND ADDITIONAL INFORMATION.
3. REFER TO CIVIL DETAIL SHEET C-511 FOR WASTEWATER TREATMENT PLAN AND ADDITIONAL INFORMATION.

0 15 30 60
SCALE: 1"=30'
U.S. SURVEY FEET



FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
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GOVERNOR

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KEVIN N. HANNEL
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	C	2BI/Cabin C	7815232004	C
Lower Dorm	7815232010	C	2BI/Cabin D	7815232005	C
Gymnasium	7815232011	C	2BI/Cabin E	7815232006	C
Game Room	7815232012	C	2BI/Cabin F	7815232007	C
Family Cabin	7815232013	C	2BI/Cabin G	7815232008	C
RR Building	7815232014	C	2BI/Cabin H	7815232009	C

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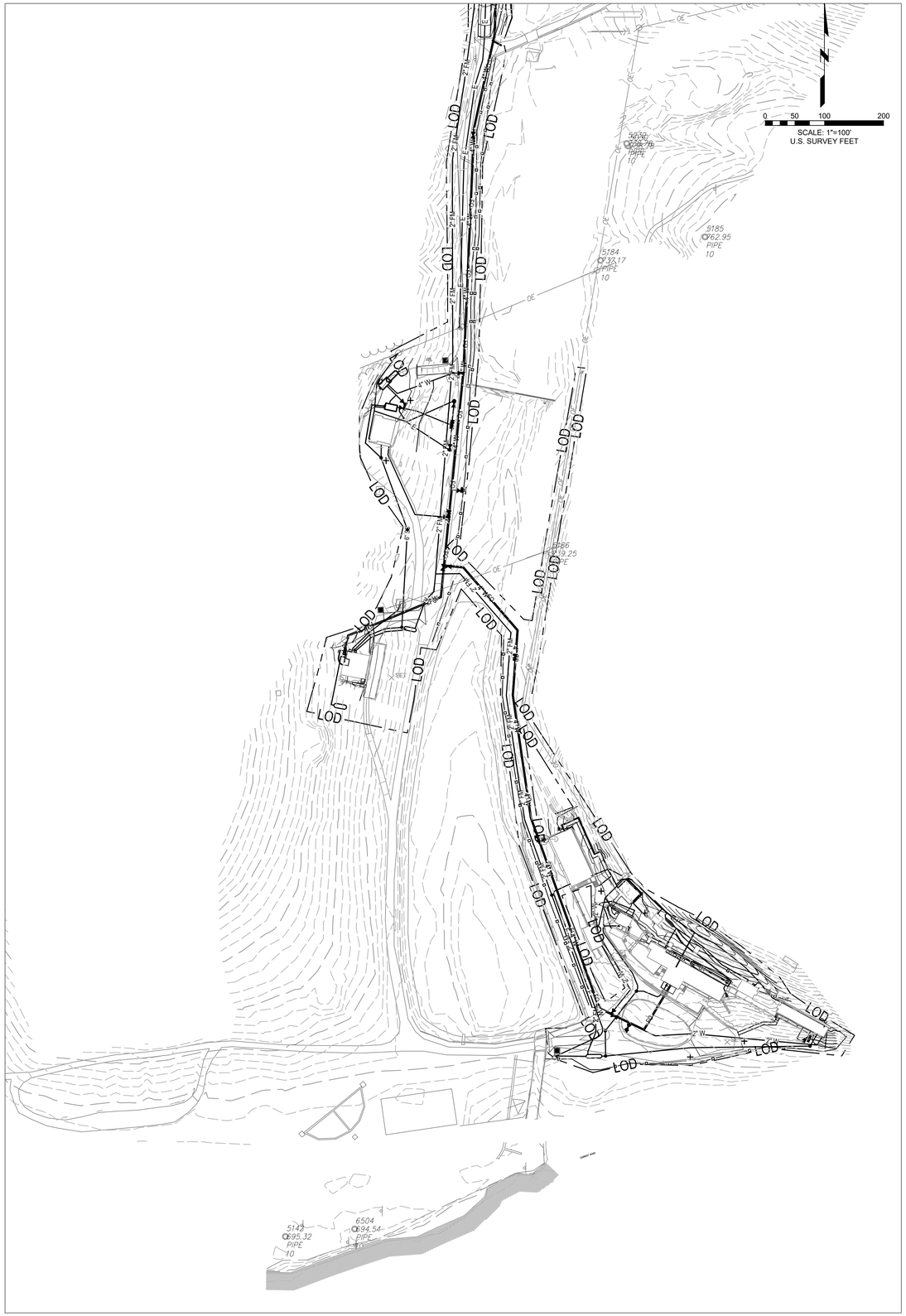
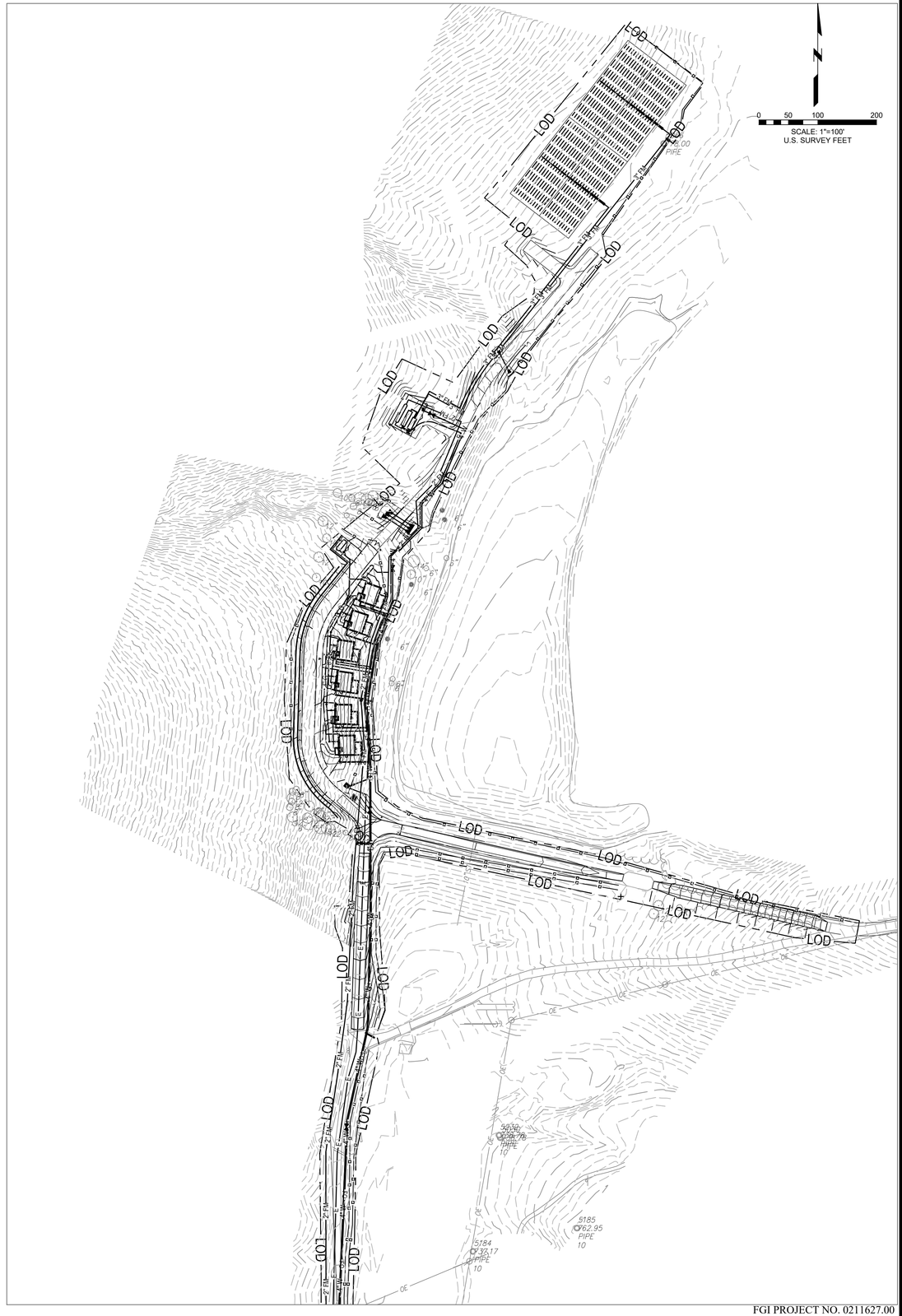
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
AREA 4
UTILITY PLAN

SHEET NUMBER:
C-144





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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	D	2BICabin C	7815232004	D
Lower Dorm	7815232010	D	2BICabin D	7815232005	D
Gymnasium	7815232011	D	2BICabin E	7815232006	D
Game Room	7815232012	D	2BICabin F	7815232007	D
Family Cabin	7815232013	D	2BICabin G	7815232008	D
RR Building	7815232014	D	2BICabin H	7815232009	D

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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

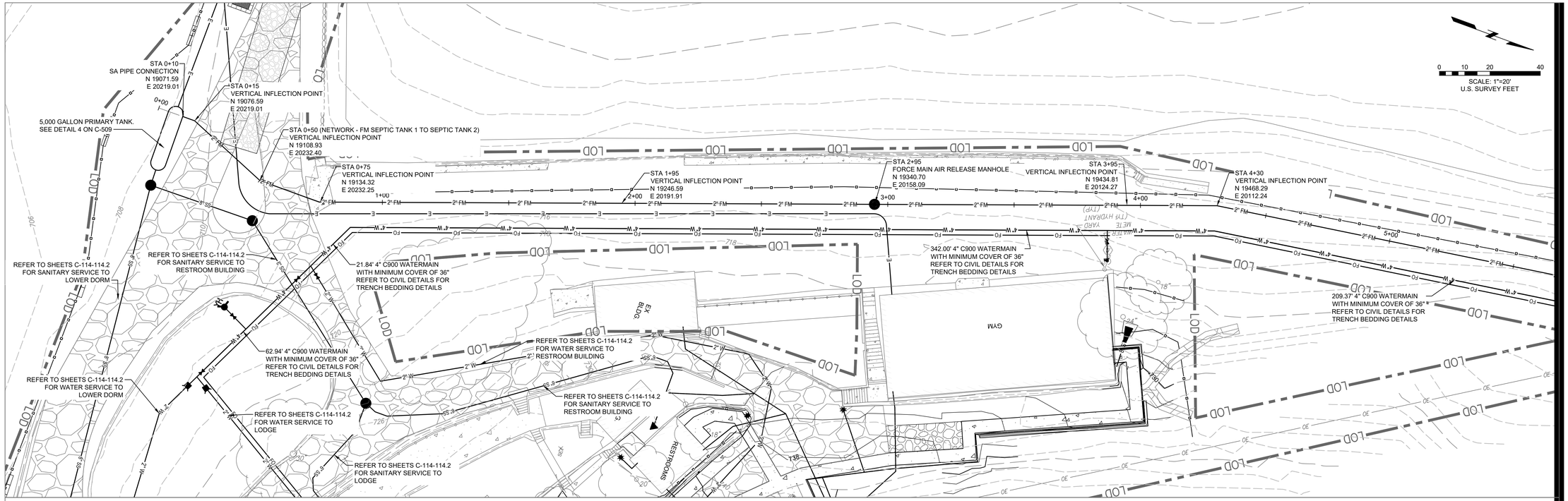
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

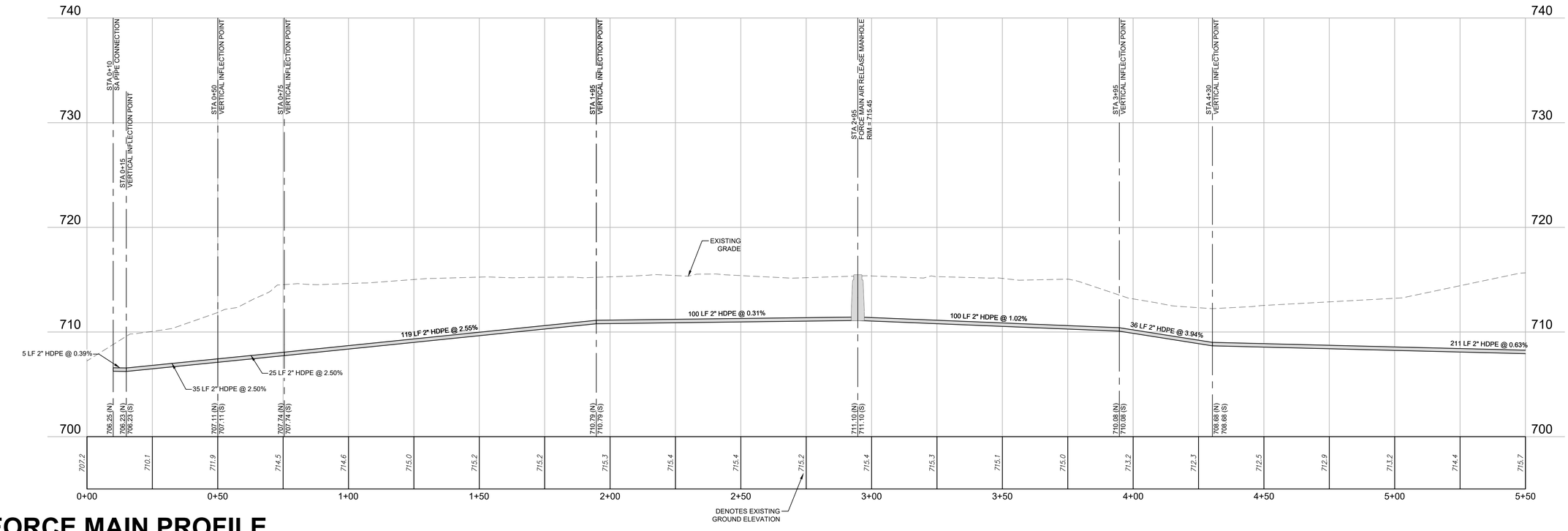
SHEET TITLE:

SITE WIDE UTILITY PLAN

SHEET NUMBER:

C-201





FORCE MAIN PROFILE
SCALE: 20H:5V

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
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KEVIN N. HANNEL
NUMBER PE-2009023818
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	A	2BUCabin C	7815232004	A
Lower Dorm	7815232010	A	2BUCabin D	7815232006	A
Gymnasium	7815232011	A	2BUCabin E	7815232005	A
Game Room	7815232012	A	2BUCabin F	7815232007	A
Family Cabin	7815232013	A	2BUCabin G	7815232008	A
RR Building	7815232014	A	2BUCabin H	7815232009	A

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DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

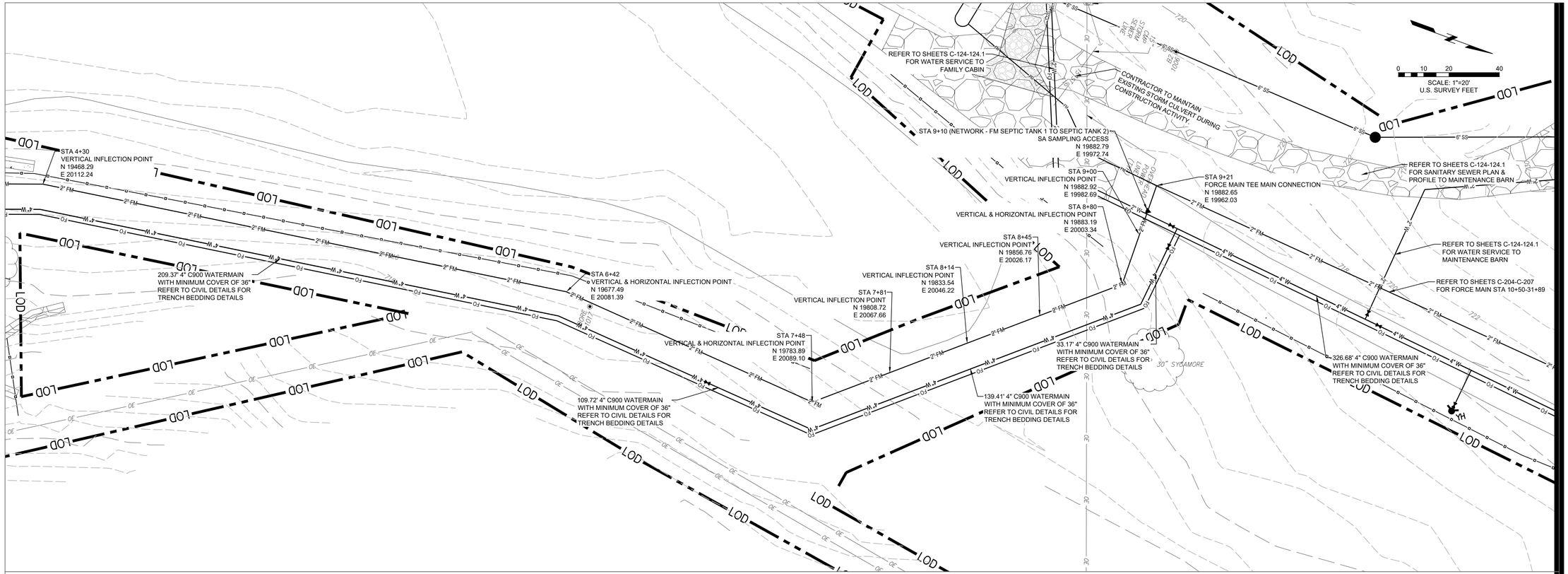
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

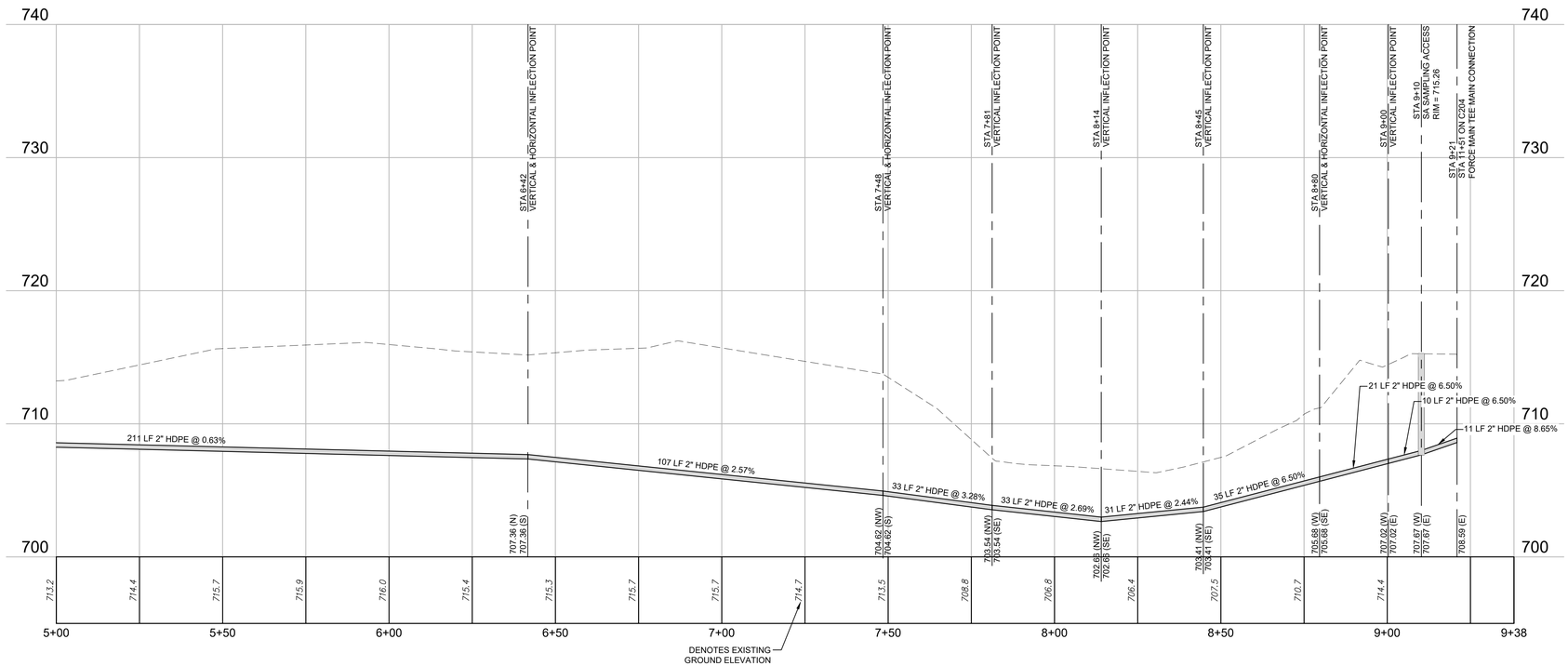
SHEET TITLE:

UTILITY PLAN & FORCE MAIN PROFILE STA 0+00 - 5+50

SHEET NUMBER:

C-202





FORCE MAIN PROFILE
SCALE: 20H:5V

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

KEVIN N. HANNEL
NUMBER PE-2009012878
PROFESSIONAL ENGINEER
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Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001		2BUCabin C	7815232004	
Lower Dorm	7815232010		2BUCabin D	7815232005	
Gymnasium	7815232011		2BUCabin E	7815232006	
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Family Cabin	7815232013		2BUCabin G	7815232008	
RR Building	7815232014		2BUCabin H	7815232009	

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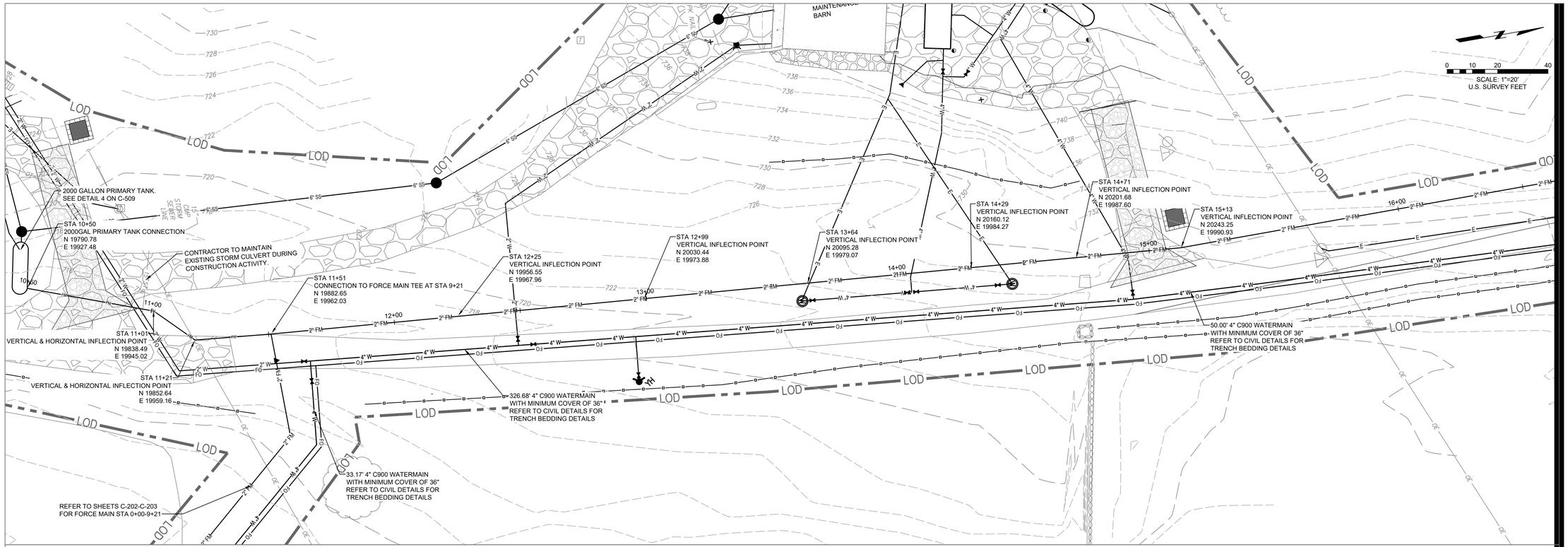
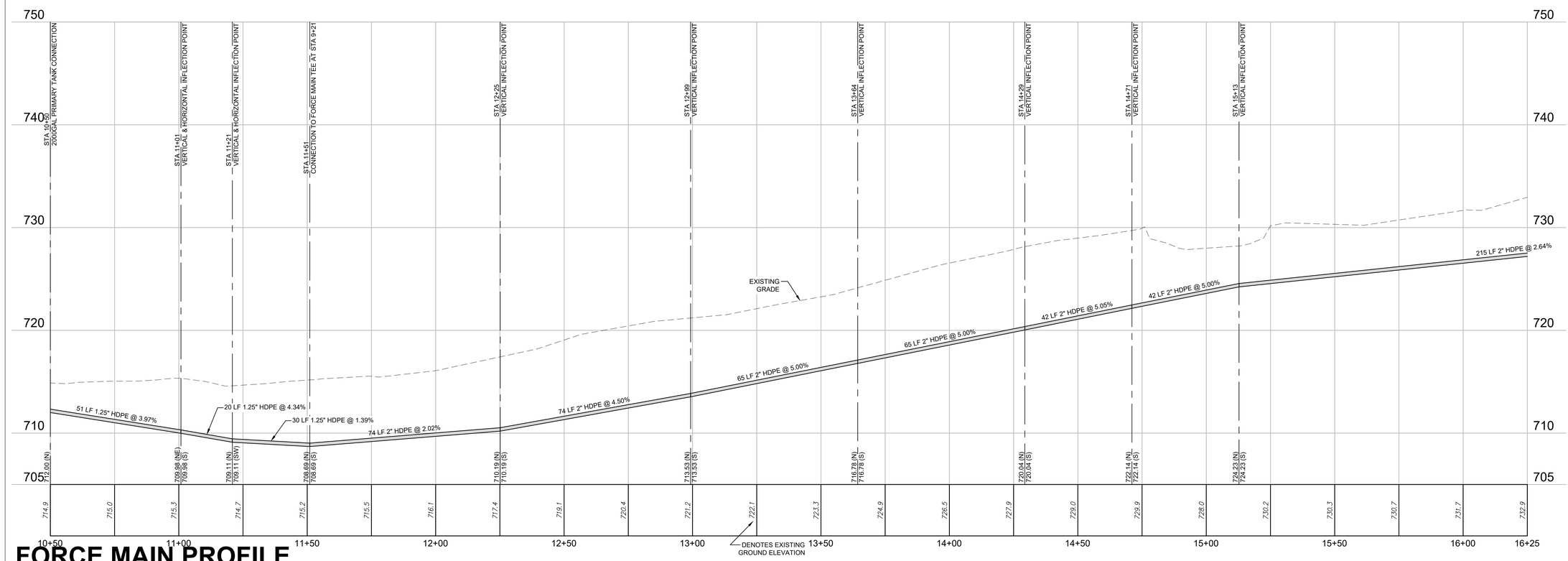
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
UTILITY PLAN & FORCE MAIN PROFILE STA 5+00 - 9+21

SHEET NUMBER:
C-203





FORCE MAIN PROFILE
SCALE: 20H:5V

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

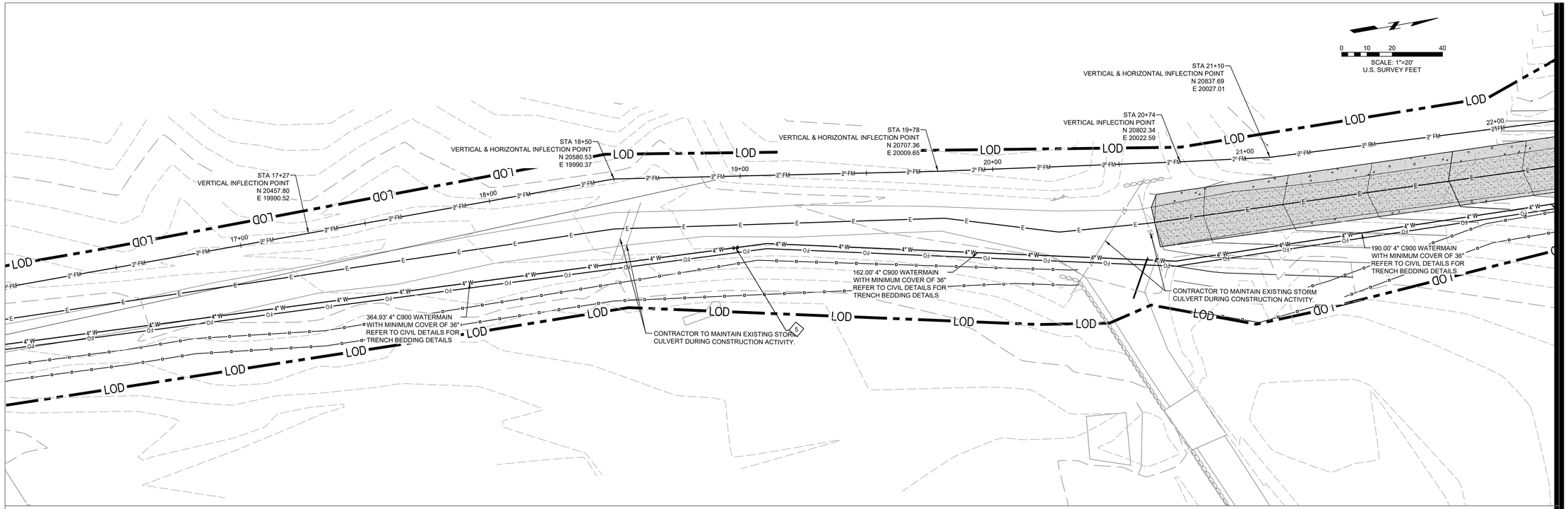
Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

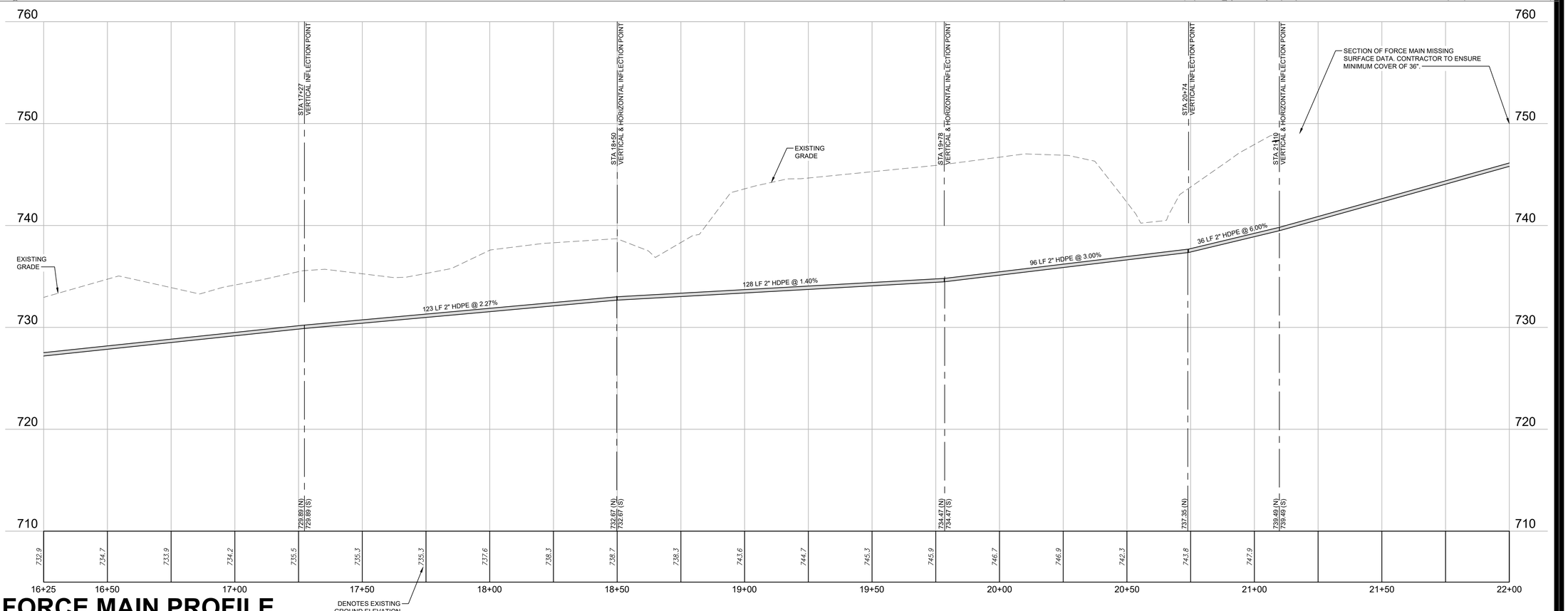
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
UTILITY PLAN & FORCE MAIN PROFILE STA 10+50 - 16+25

SHEET NUMBER:
C-204





FORCE MAIN PROFILE
SCALE: 20H:5V

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

KEVIN N. HANNEL
NUMBER PE-2009012878
PROFESSIONAL ENGINEER
STATE OF MISSOURI

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	D	2BUCabin C	7815232004	D
Lower Dorm	7815232010	D	2BUCabin D	7815232005	D
Gymnasium	7815232011	D	2BUCabin E	7815232006	D
Game Room	7815232012	D	2BUCabin F	7815232007	D
Family Cabin	7815232013	D	2BUCabin G	7815232008	D
RR Building	7815232014	D	2BUCabin H	7815232009	D

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

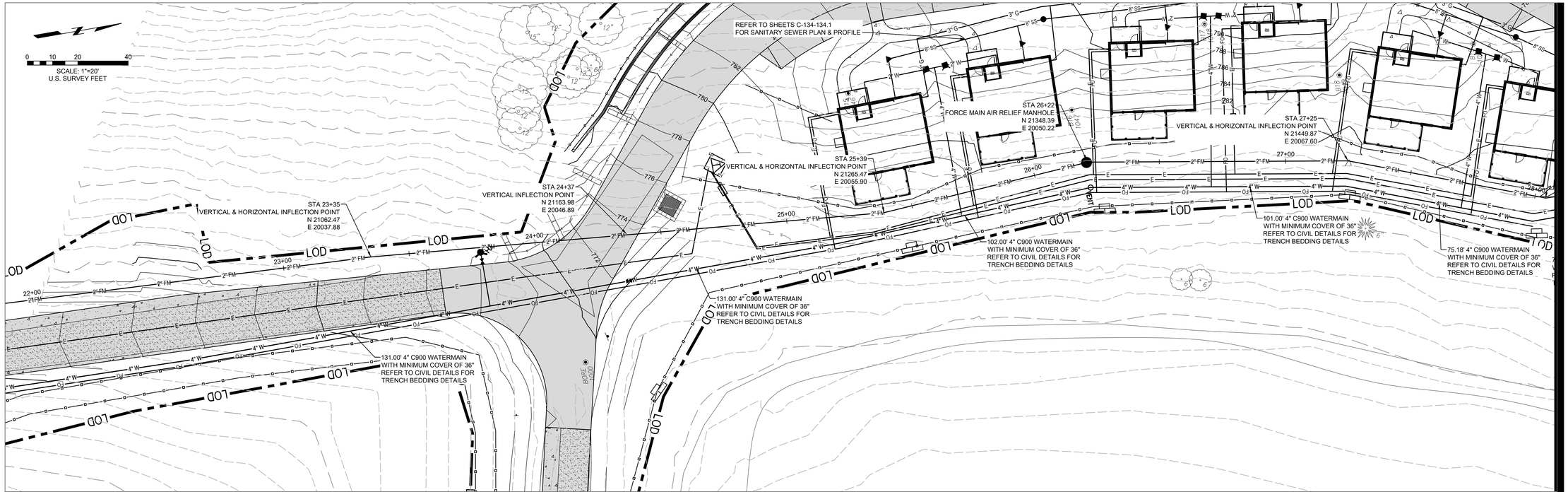
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

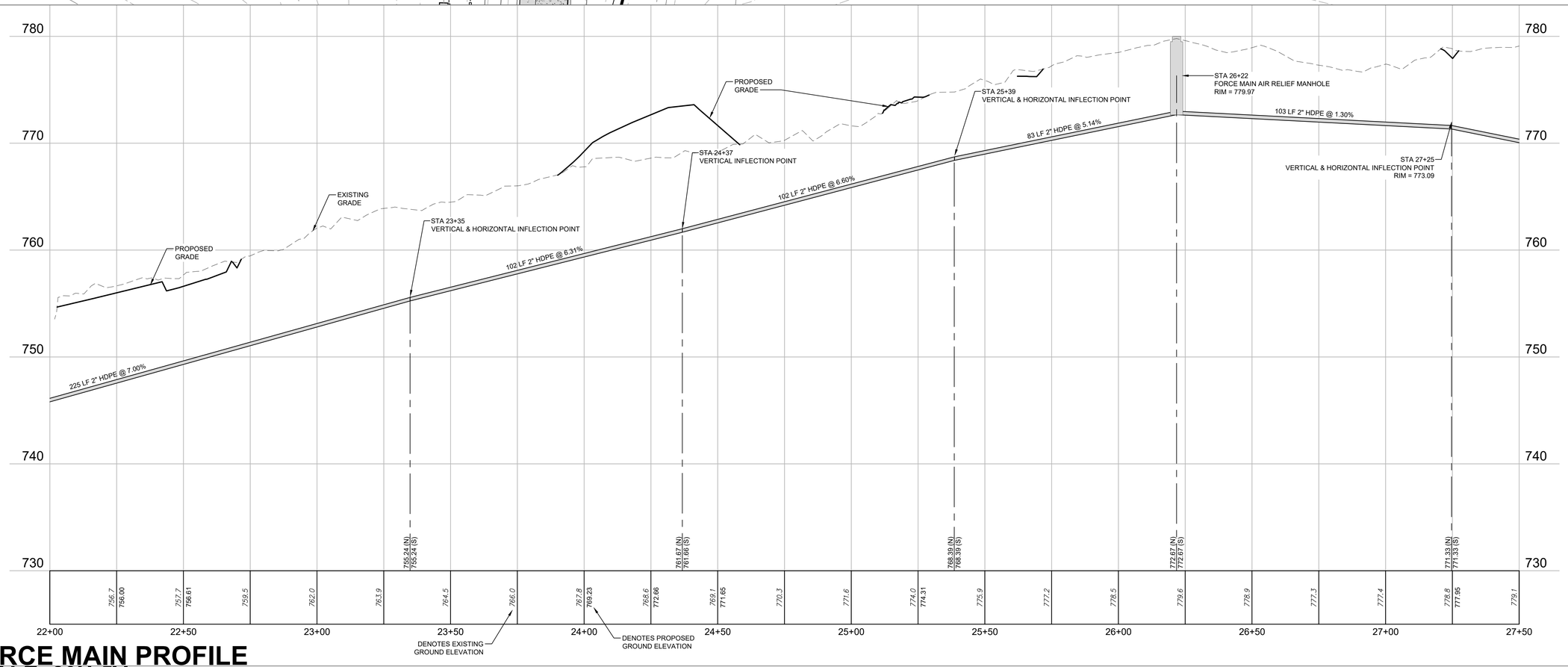
SHEET TITLE:

UTILITY PLAN & FORCE MAIN PROFILE STA 16+25 - 22+00

SHEET NUMBER:

C-205





FORCE MAIN PROFILE
SCALE: 20H:5V

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

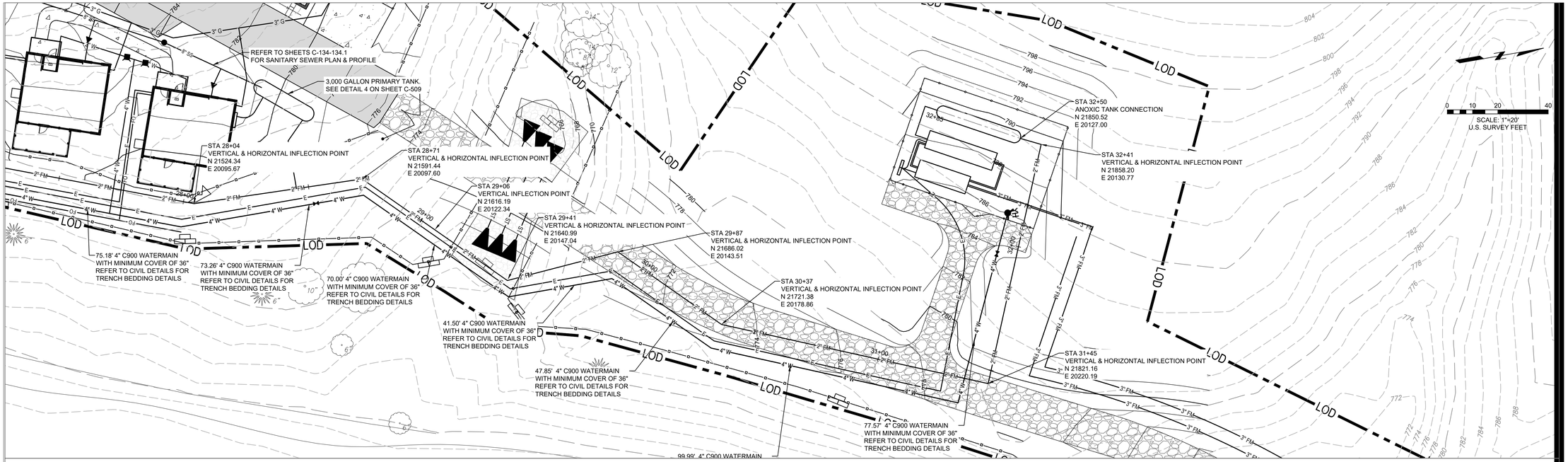
Lodge	7815232001	O	(2B)Cabin C	7815232004	O
Lower Dorm	7815232010	O	(2B)Cabin D	7815232005	O
Gymnasium	7815232011	O	(2B)Cabin E	7815232006	O
Game Room	7815232012	O	(2B)Cabin F	7815232007	O
Family Cabin	7815232013	O	(2B)Cabin G	7815232008	O
RR Building	7815232014	O	(2B)Cabin H	7815232009	O

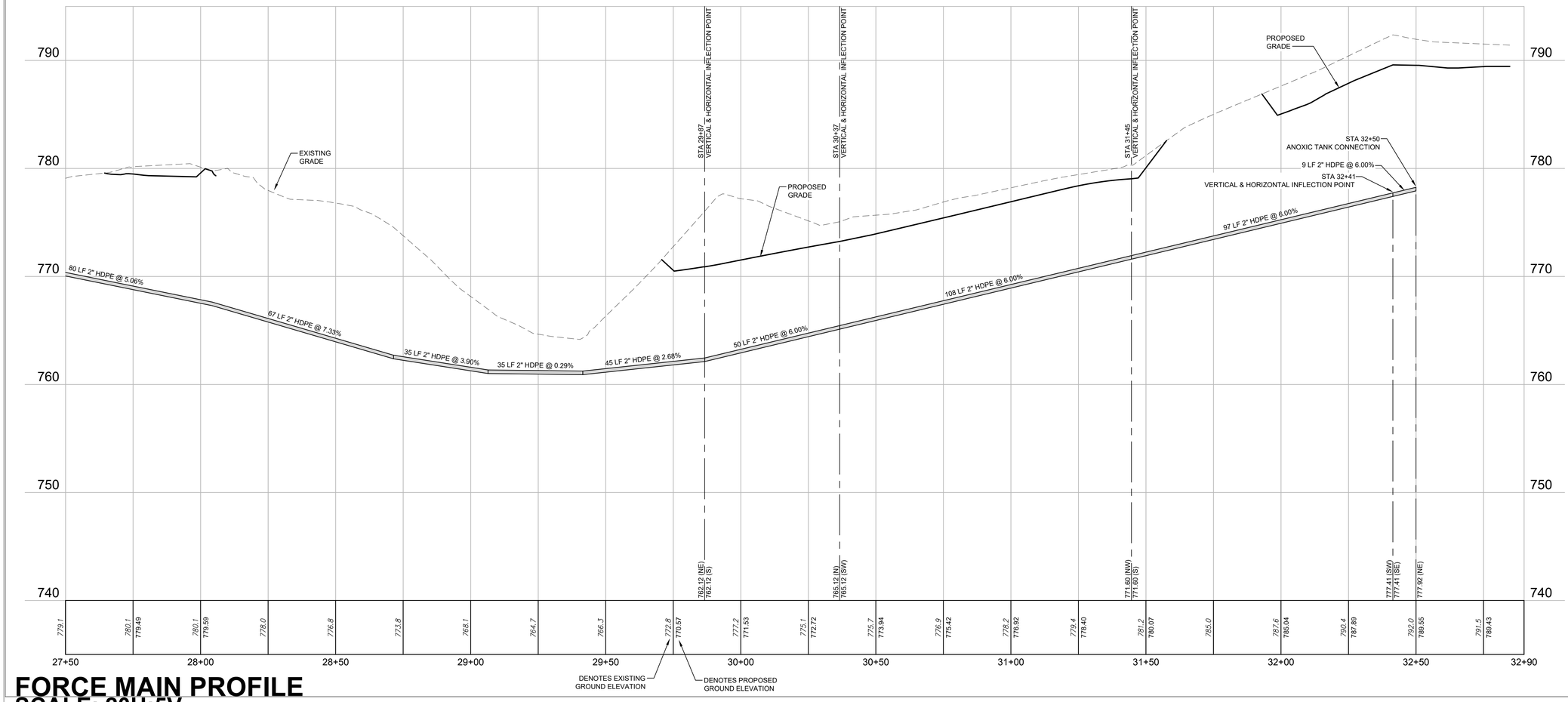
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
UTILITY PLAN & FORCE MAIN PROFILE STA 22+00 - 27+50

SHEET NUMBER:
C-206





FORCE MAIN PROFILE
SCALE: 20H:5V

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
KEVIN N. HANNEL
NUMBER PE-2009012878
PROFESSIONAL ENGINEER

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	D	2BCabin C	7815232004	D
Lower Dorm	7815232010	D	2BCabin D	7815232005	D
Gymnasium	7815232011	D	2BCabin E	7815232006	D
Game Room	7815232012	D	2BCabin F	7815232007	D
Family Cabin	7815232013	D	2BCabin G	7815232008	D
RR Building	7815232014	D	2BCabin H	7815232009	D

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

UTILITY PLAN & FORCE MAIN PROFILE STA 27+00 - 32+50

SHEET NUMBER:

C-207



COUNTY ROAD TO BE MAINTAINED BY CONTRACTOR DURING CONSTRUCTION ACTIVITIES. AFTER COMPLETION OF CONSTRUCTION, CONTRACTOR TO RETURN ACCESS ROAD TO EXISTING CONDITIONS.

0 100 200 400
SCALE: 1"=200'
U.S. SURVEY FEET

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
KEVIN N. HANNEL
NUMBER PE-2009023878
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	X	2BJCabin C	7815232004	X
Lower Dorm	7815232010	X	2BJCabin D	7815232005	X
Gymnasium	7815232011	X	2BJCabin E	7815232006	X
Game Room	7815232012	X	2BJCabin F	7815232007	X
Family Cabin	7815232013	X	2BJCabin G	7815232008	X
RR Building	7815232014	X	2BJCabin H	7815232009	X

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

ROADWAY PLAN & PROFILE MAP

SHEET NUMBER:

C-210

SHEET 65 of 219
ISSUE DATE 11/26/2025

Keyed Notes

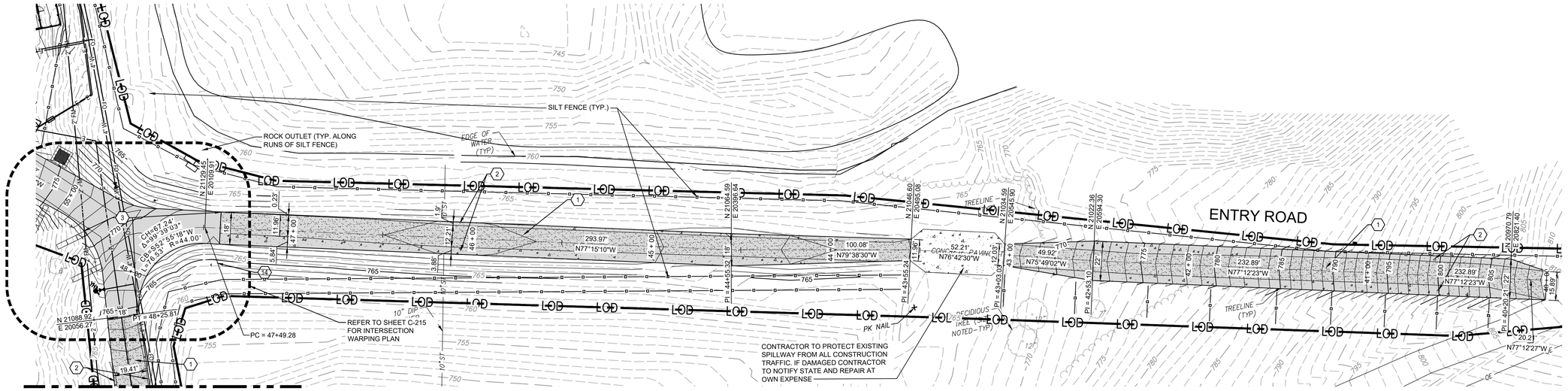
1. NEW 3" HMA OVERLAY (REFER TO 4/C.504).
2. NEW 3" HMA PAVEMENT EXPANSION (REFER TO 4/C.504).
3. NEW MEDIUM DUTY HMA PAVEMENT (REFER TO 3/C.504).
14. RELOCATED SIGN (REFER TO EXISTING CONDITIONS AND DEMOLITION PLAN).

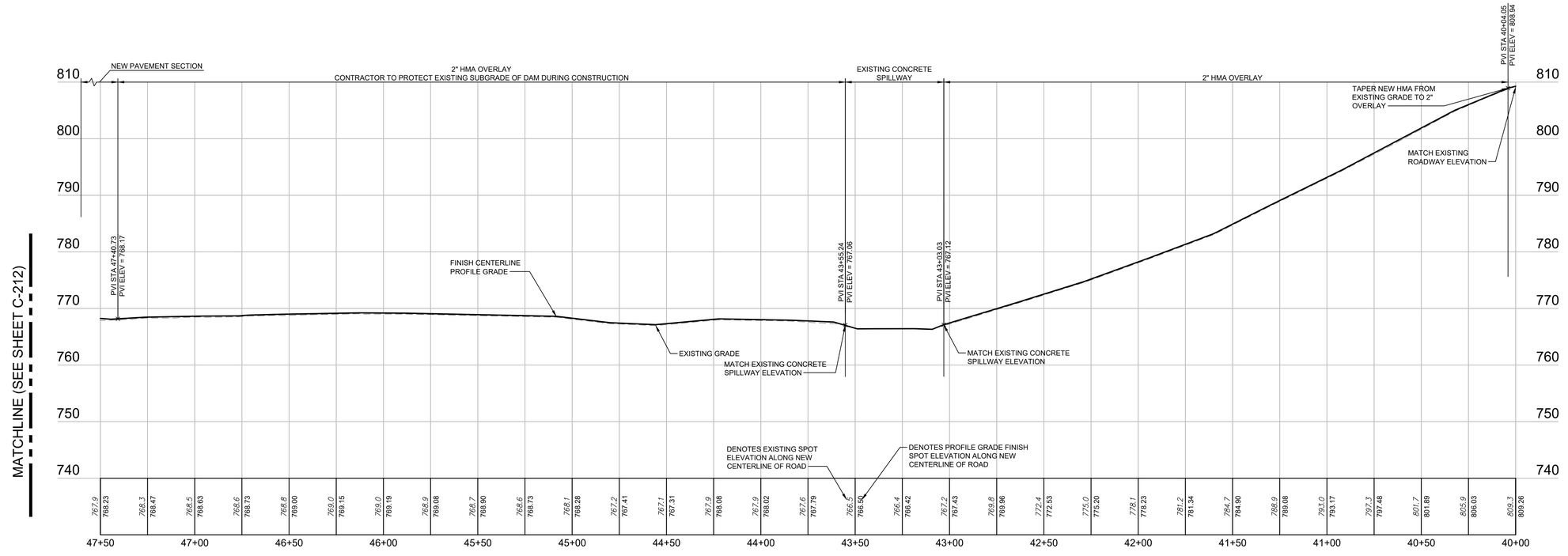
PLAN

SCALE: 1"=30'

0 15 30 60

SCALE: 1"=30'
U.S. SURVEY FEET





ENTRY ROAD STATE

CENTERLINE PROFILE

SCALE: 1"=30' HORIZONTAL 1" = 10' VERTICAL

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

KEVIN N. HANNEL
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PROFESSIONAL ENGINEER
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☐	12BiCabin C	7815232004	☐
Lower Dorm	7815232010	☐	12BiCabin D	7815232005	☐
Gymnasium	7815232011	☐	12BiCabin E	7815232006	☐
Game Room	7815232012	☐	12BiCabin F	7815232007	☐
Family Cabin	7815232013	☐	12BiCabin G	7815232008	☐
RR Building	7815232014	☐	12BiCabin H	7815232009	☐

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

ENTRY ROAD PLAN & PROFILE Sta. 40+00 - 47+50

SHEET NUMBER:

C-211

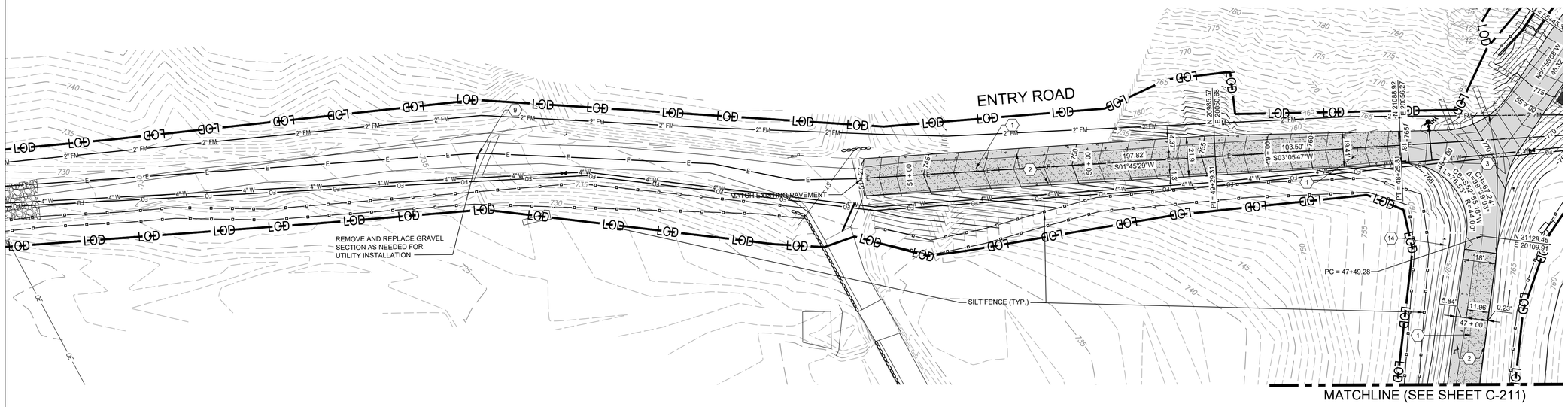
Keyed Notes (#)

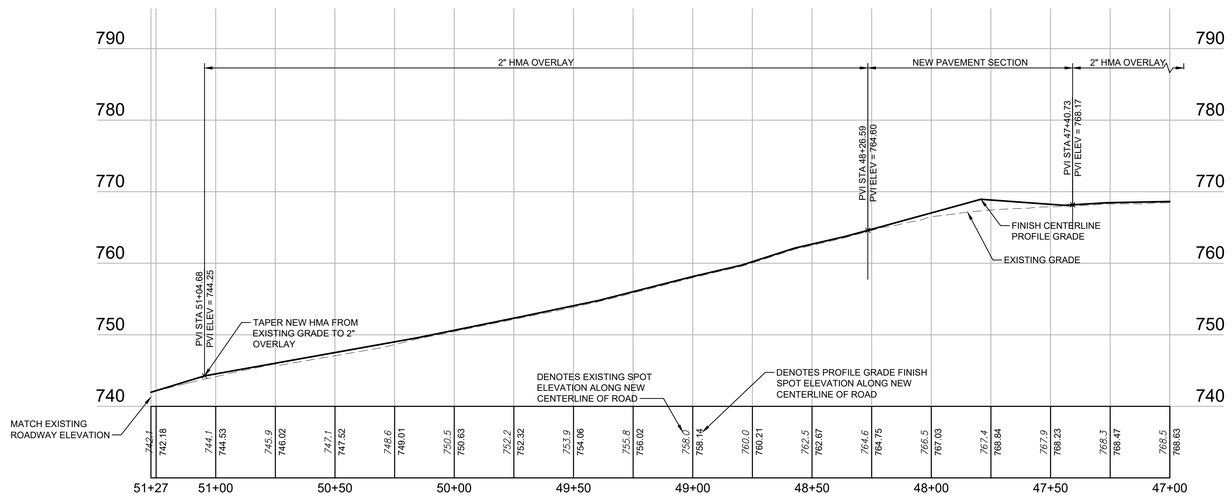
1. NEW 3" HMA OVERLAY (REFER TO 4/C.504).
2. NEW 3" HMA PAVEMENT EXPANSION (REFER TO 4/C.504).
3. NEW MEDIUM DUTY HMA PAVEMENT (REFER TO 3/C.504).
9. NEW CRUSHED ROCK SECTION TO MATCH EXIST CRUSHED ROCK THROUGHOUT SITE (REFER TO 7/C.503)
14. RELOCATED SIGN (REFER TO EXISTING CONDITIONS AND DEMOLITION PLAN).

PLAN

SCALE: 1"=30'

SCALE: 1"=30'
U.S. SURVEY FEET





MATCHLINE (SEE SHEET C-211)

ENTRY ROAD STATE

CENTERLINE PROFILE

SCALE: 1"=30' HORIZONTAL 1" = 10' VERTICAL

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
KEVIN N. HANNEL
NUMBER PE-2009012878
PROFESSIONAL ENGINEER

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001		2BiCabin C	7815232004	
Lower Dorm	7815232010		2BiCabin D	7815232005	
Gymnasium	7815232011		2BiCabin E	7815232006	
Game Room	7815232012		2BiCabin F	7815232007	
Family Cabin	7815232013		2BiCabin G	7815232008	
RR Building	7815232014		2BiCabin H	7815232009	

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

ENTRY ROAD PLAN & PROFILE Sta. 47+00 - 51+27

SHEET NUMBER:

C-212

PLAN

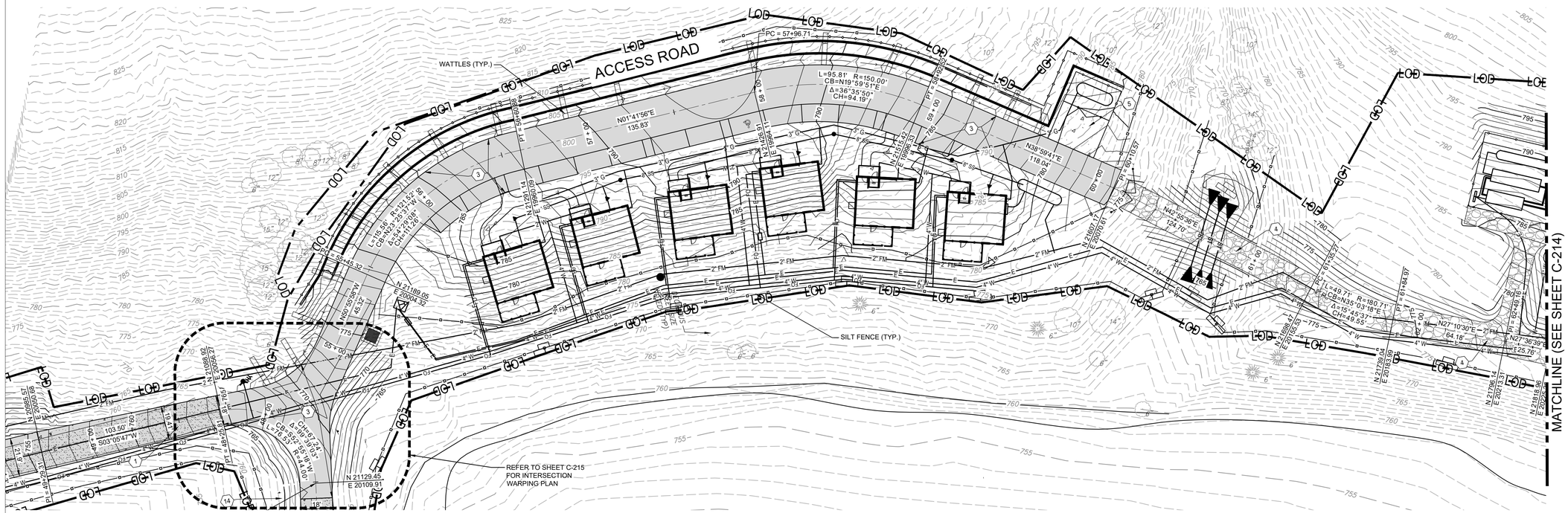
SCALE: 1"=30'

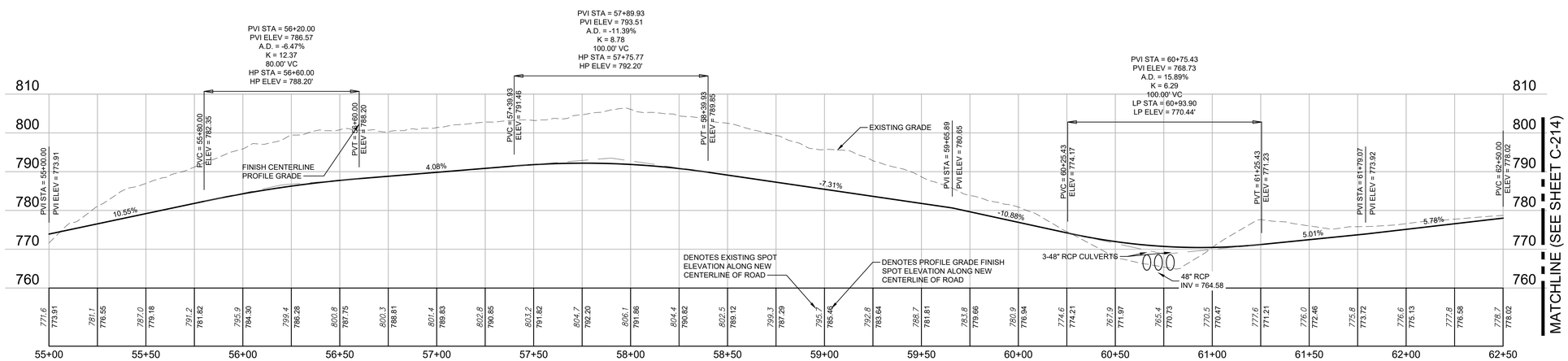
0 15 30 60

SCALE: 1"=30'
U.S. SURVEY FEET

Keyed Notes (#)

1. NEW 3" HMA OVERLAY (REFER TO 4/C.504).
3. NEW MEDIUM DUTY HMA PAVEMENT (REFER TO 3/C.504).
4. NEW 8" GRAVEL PAVEMENT SECTION (REFER TO 8/C.503).
5. NEW CONCRETE PAVEMENT (REFER TO 2/C.503).
14. RELOCATED SIGN (REFER TO EXISTING CONDITIONS AND DEMOLITION PLAN).





ACCESS ROAD CABINS

CENTERLINE PROFILE

SCALE: 1"=30' HORIZONTAL 1" = 10' VERTICAL

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
KEVIN N. HANNEL
NUMBER PE-2009023838
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	78152320001	2BJCabin C	78152320004
Lower Dorm	78152320010	2BJCabin D	78152320005
Gymnasium	78152320011	2BJCabin E	78152320006
Game Room	78152320012	2BJCabin F	78152320007
Family Cabin	78152320013	2BJCabin G	78152320008
RR Building	78152320014	2BJCabin H	78152320009

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

ACCESS ROAD PLAN & PROFILE Sta. 55+00 - 62+50

SHEET NUMBER:

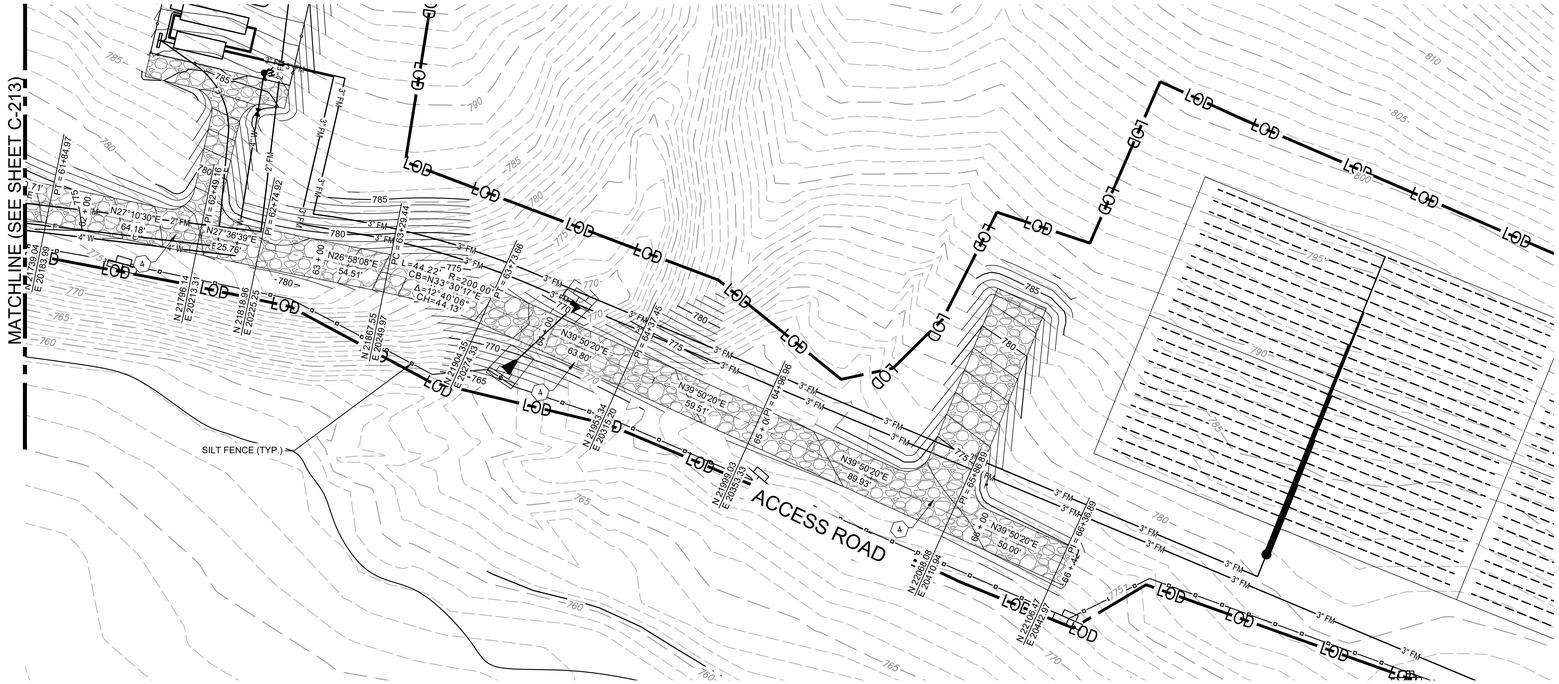
C-213

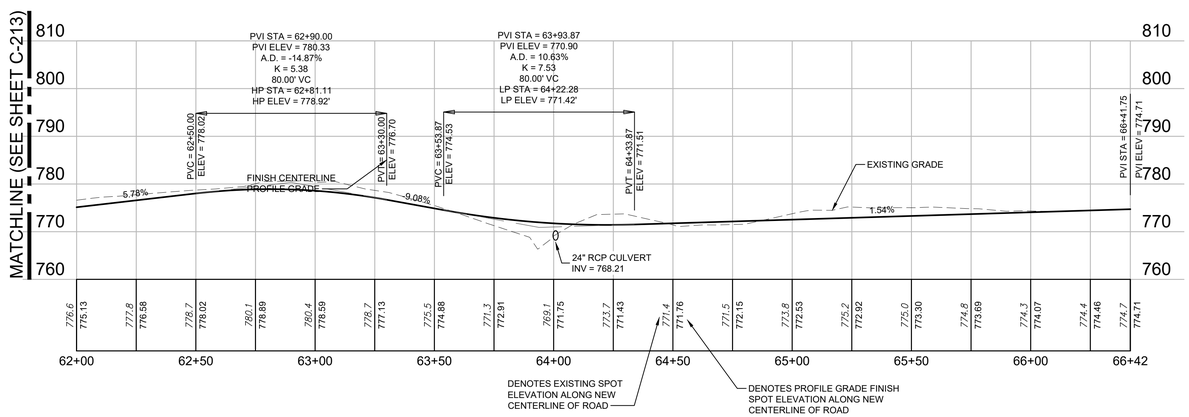
Keyed Notes

4. NEW 8" GRAVEL PAVEMENT SECTION (REFER TO CIVIL DETAILS C-504/2).

PLAN
SCALE: 1"=30'

0 15 30 60
SCALE: 1"=30'
U.S. SURVEY FEET





ACCESS ROAD CABINS CENTERLINE PROFILE
SCALE: 1"=30' HORIZONTAL 1" = 10' VERTICAL

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	O	(2B)Cabin C	7815232004	O
Lower Dorm	7815232010	O	(2B)Cabin D	7815232005	O
Gymnasium	7815232011	O	(2B)Cabin E	7815232006	O
Game Room	7815232012	O	(2B)Cabin F	7815232007	O
Family Cabin	7815232013	O	(2B)Cabin G	7815232008	O
RR Building	7815232014	O	(2B)Cabin H	7815232009	O

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

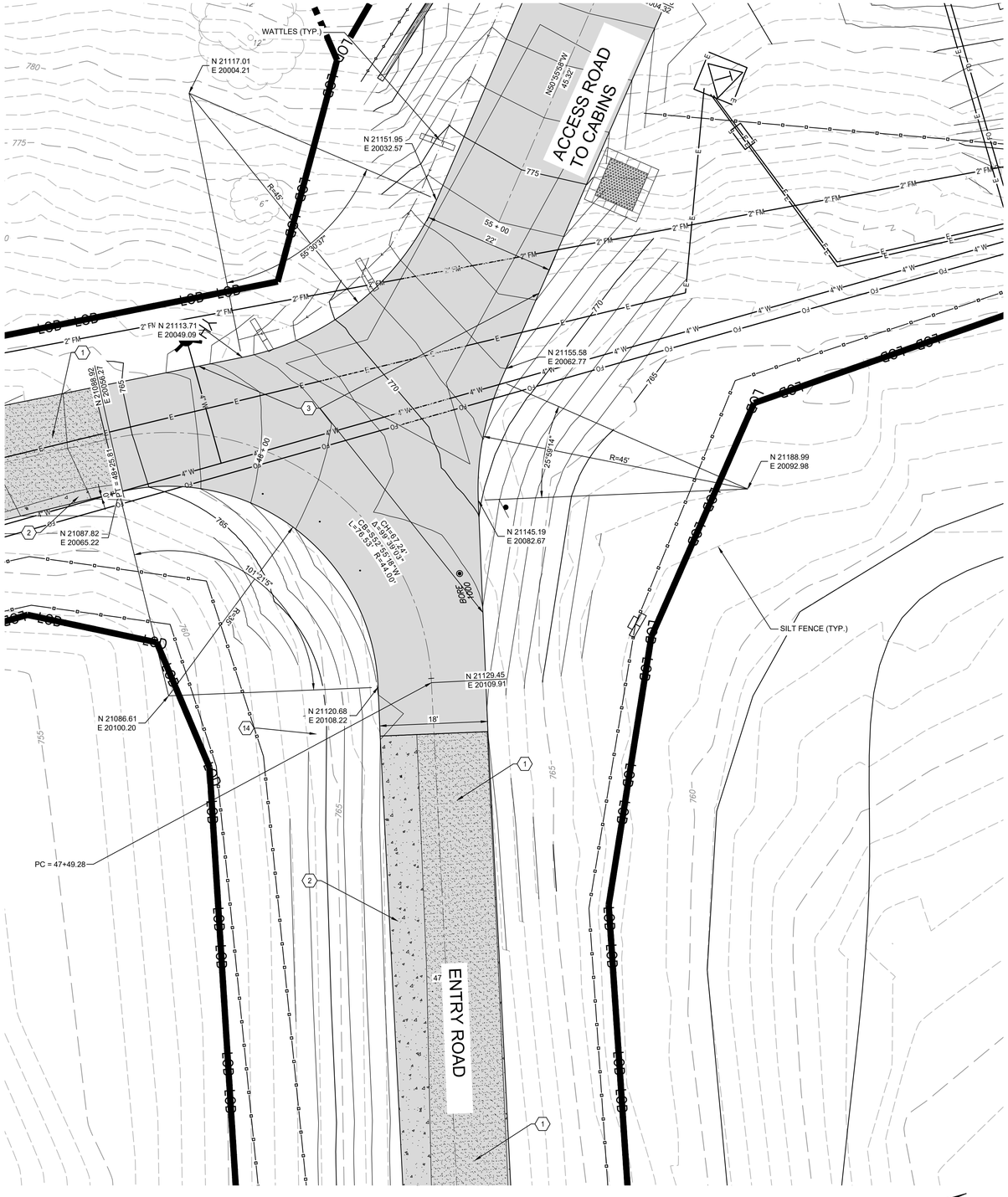
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
ACCESS ROAD PLAN & PROFILE
Sta. 62+00 - 66+42

SHEET NUMBER:
C-214

Keyed Notes

1. NEW 3" HMA OVERLAY (REFER TO 4/C.504).
2. NEW 3" HMA PAVEMENT EXPANSION (REFER TO 4/C.504).
3. NEW MEDIUM DUTY HMA PAVEMENT (REFER TO 3/C.504).
14. RELOCATED SIGN (REFER TO EXISTING CONDITIONS AND DEMOLITION PLAN).



1 WARPING DETAIL PLAN AT ACCESS ROAD ENTRY ROAD INTERSECTION
SCALE: 1"=10'

0 5 10 20
SCALE: 1"=10'
U.S. SURVEY FEET

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	A	2BI/Cabin C	7815232004	A
Lower Dorm	7815232010	A	2BI/Cabin D	7815232005	A
Gymnasium	7815232011	A	2BI/Cabin E	7815232006	A
Game Room	7815232012	A	2BI/Cabin F	7815232007	A
Family Cabin	7815232013	A	2BI/Cabin G	7815232008	A
RR Building	7815232014	A	2BI/Cabin H	7815232009	A

REVISION:
DATE:
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DATE:
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ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

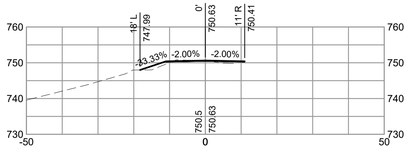
SHEET TITLE:

ACCESS ROAD WARPING PLANS

SHEET NUMBER:

C-215

SHEET 70 of 219
ISSUE DATE 11/26/2025



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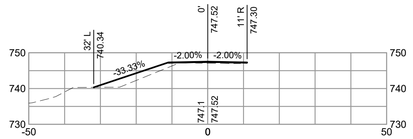

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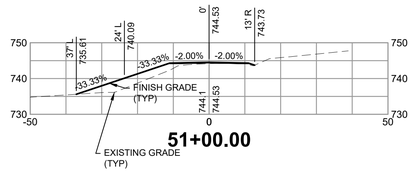

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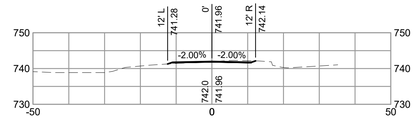

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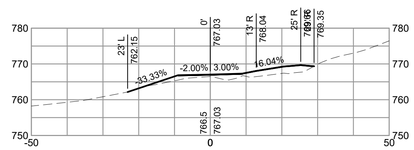

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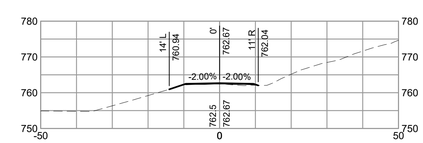

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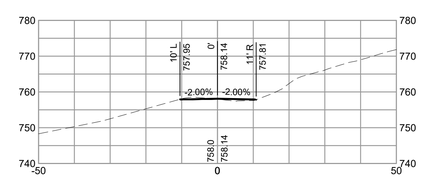

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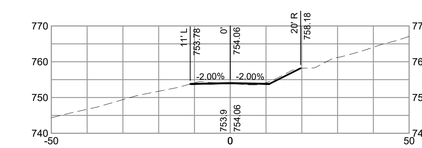

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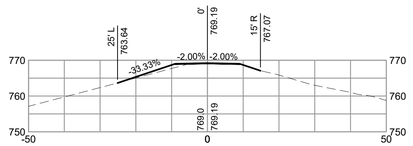

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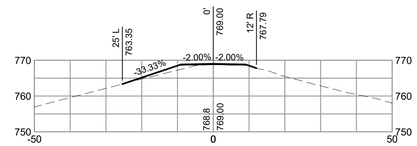

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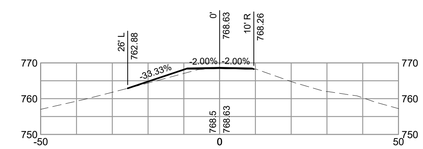

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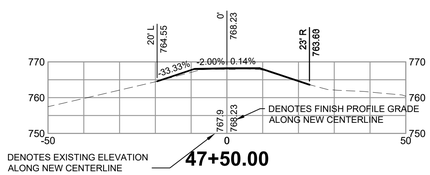

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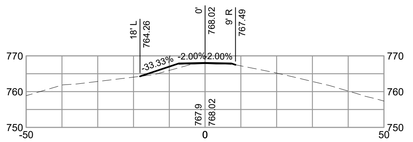

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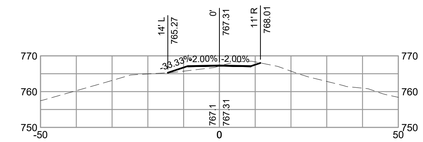

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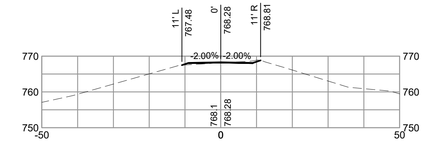

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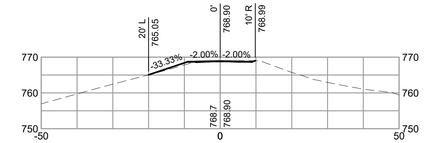

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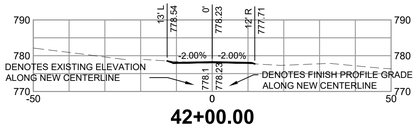

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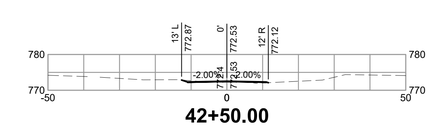

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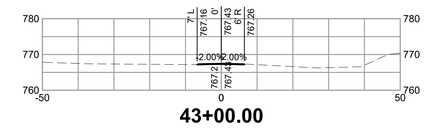

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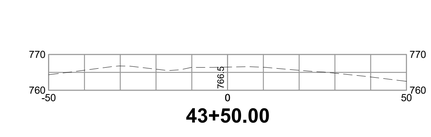

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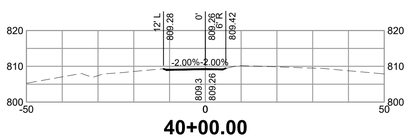

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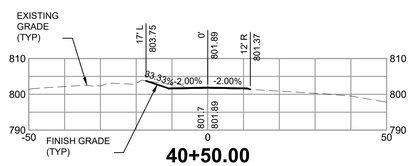

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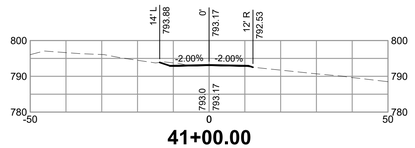

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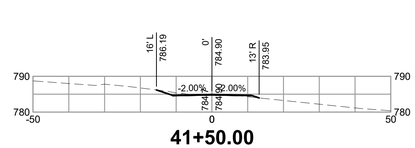

41+50.00

CROSS SECTIONS

SCALE: 1"=20'

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☐	2BUCabin C	7815232004	☐
Lower Dorm	7815232010	☐	2BUCabin D	7815232005	☐
Gymnasium	7815232011	☐	2BUCabin E	7815232006	☐
Game Room	7815232012	☐	2BUCabin F	7815232007	☐
Family Cabin	7815232013	☐	2BUCabin G	7815232008	☐
RR Building	7815232014	☐	2BUCabin H	7815232009	☐

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

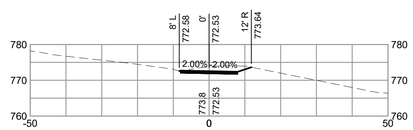
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

ENTRY ROAD CROSS SECTIONS Sta. 40+00 - 51+27

SHEET NUMBER:

C-301



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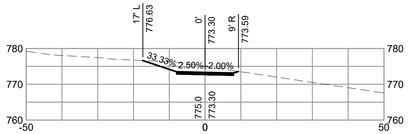

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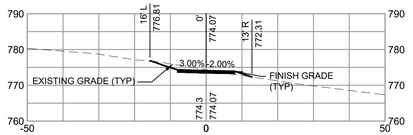

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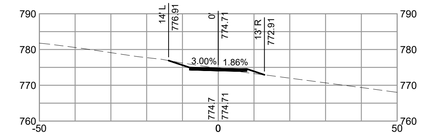

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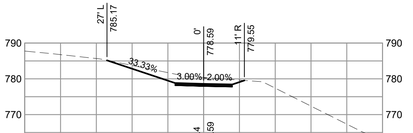

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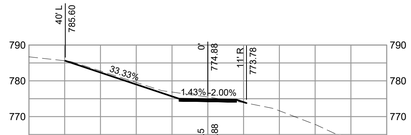

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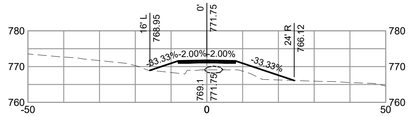

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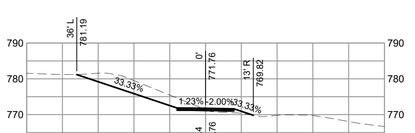

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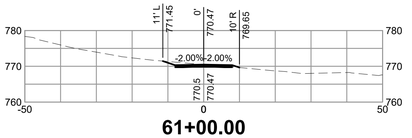

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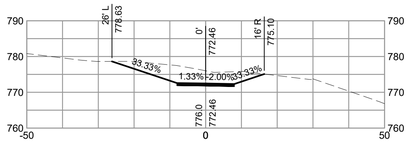

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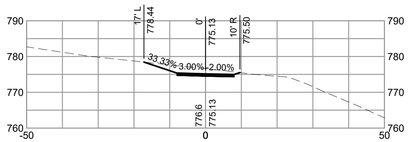

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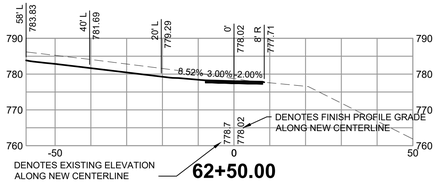

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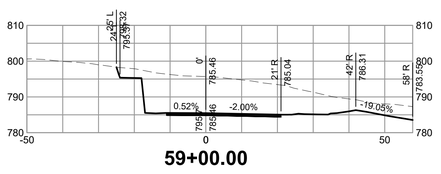

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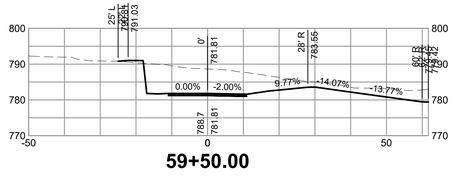

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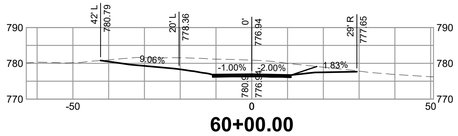

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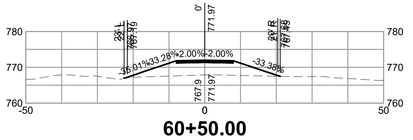

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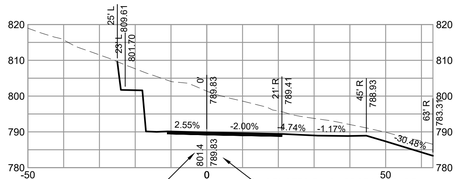
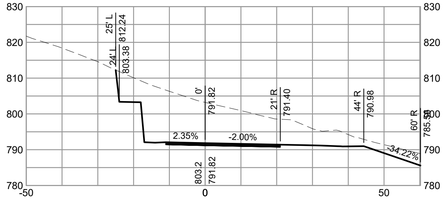


DENOTES EXISTING ELEVATION ALONG NEW CENTERLINE

57+00.00

DENOTES FINISH PROFILE GRADE ALONG NEW CENTERLINE



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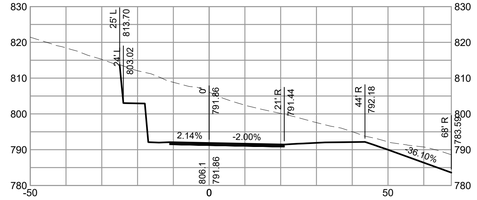

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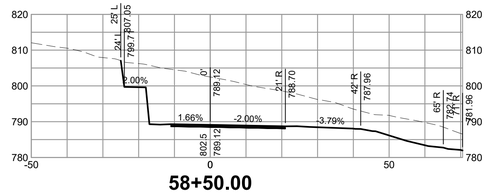

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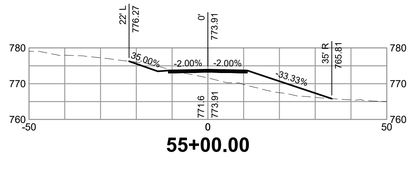

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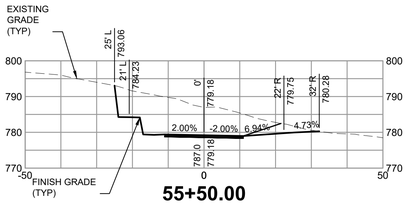

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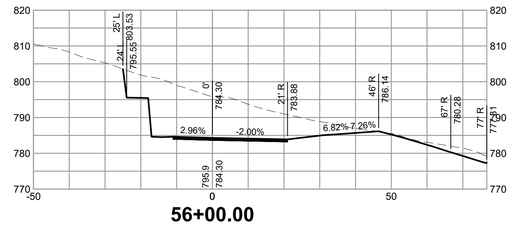

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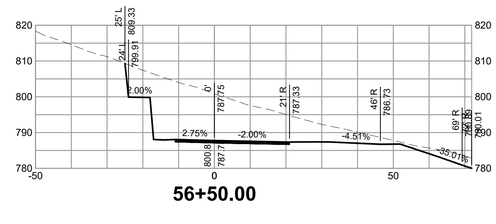

56+50.00

CROSS SECTIONS

SCALE: 1"=20'

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

KEVIN N. HANNEL
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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
BR Building	7815232014	(2B)Cabin H	7815232009

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

ACCESS ROAD CROSS SECTIONS Sta. 55+00 - 66+41

SHEET NUMBER:

C-302

INSTALLATION NOTES:
USE MINIMUM18" DIAMETER EXCELSIOR WATTLE.

USE 2' WOODEN STAKES WITH A 2" x 2" NOMINAL CROSS SECTION. ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AS DIRECTED.

INSTALL A MINIMUM OF 2 UP SLOPE STAKES AND 4 DOWN SLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

INSTALL WITH A MINIMUM OF ONE FOOT OVERLAP WHERE DITCH TYPICAL SECTION REQUIRES MORE THAN ONE WATTLE.

PROVIDE STAPLES MADE OF 0.125" DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

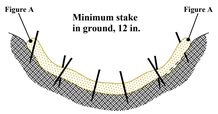
PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 ONCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 INCHES.

MAINTENANCE NOTES:
REMOVE AND DISPOSE OF SILT ACCUMULATIONS WHEN THE DEPTH REACHES ONE-HALF OF THE HEIGHT OF THE WATTLE.

REPLACE OR CLEAN THE WATTLE AS NEEDED TO ALLOW RUNOFF TO SLOWLY DEWATER THROUGH THE DEVICE BETWEEN RAIN EVENTS.

MONITOR THE WOODEN STAKES AND STAPLES TO ENSURE THAT THE WATTLE REMAINS SECURLY ANCHORED AFTER RAIN EVENTS.



Channel Installation
Cross-Section View

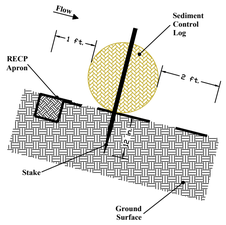
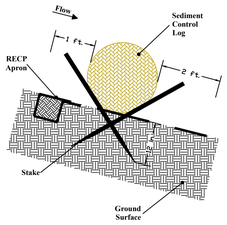


Figure A - Profile View

Or



Slope/Channel Installation

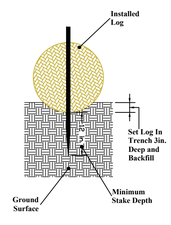
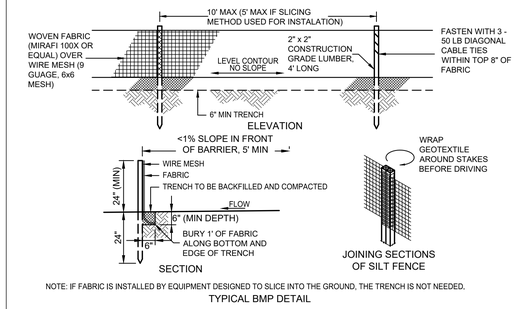


Figure B - Profile View

Flat Ground
(Perimeter Guard) Installation

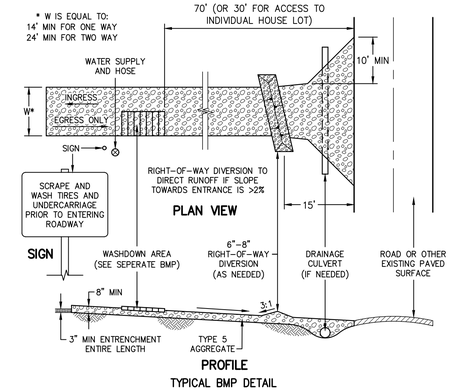
6 WATTLE DETAILS
Scale: Not To Scale



NOTE: IF FABRIC IS INSTALLED BY EQUIPMENT DESIGNED TO SLICE INTO THE GROUND, THE TRENCH IS NOT NEEDED.

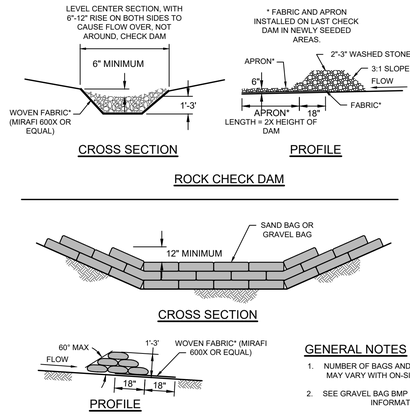
TYPICAL BMP DETAIL

7 SILT FENCE DETAIL
Scale: Not To Scale



TYPICAL BMP DETAIL

CONSTRUCTION ENTRANCE WASH DOWN STATION DETAIL
Scale: Not To Scale

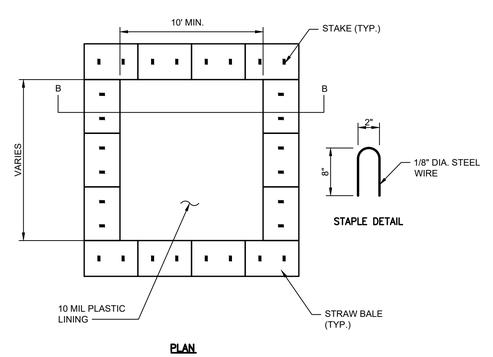


ROCK CHECK DAM

GENERAL NOTES
1. NUMBER OF BAGS AND ARRANGEMENT MAY VARY WITH ON-SITE CONDITIONS
2. SEE GRAVEL BAG BMP FOR ADDITIONAL INFORMATION.

SAND BAG OR GRAVEL BAG CHECK DAM

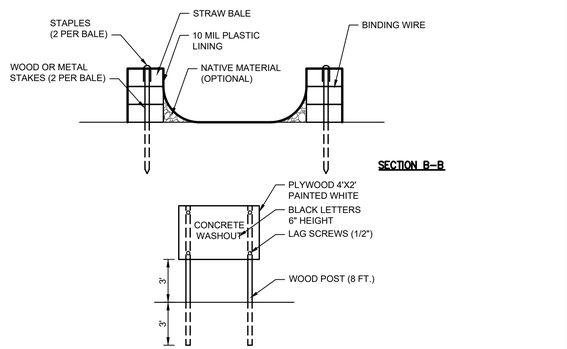
3 CHECK DAM
Scale: Not to Scale



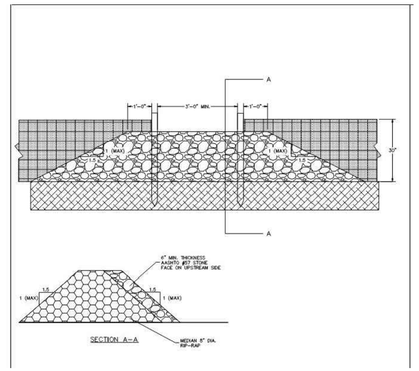
PLAN

TYPE "ABOVE GRADE" WITH STRAW BALES

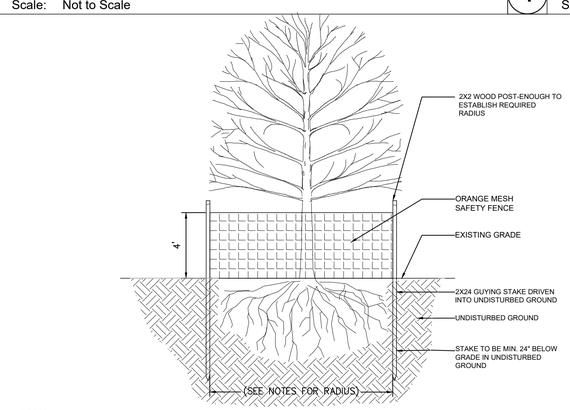
4 CONCRETE WASHOUT DETAIL
Scale: Not To Scale



CONCRETE WASHOUT SIGN DETAIL (OR EQUIVALENT)



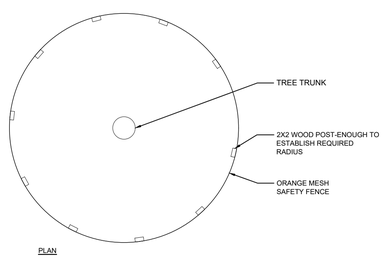
5 SILT FENCE ROCK OUTLET DETAIL
Scale: NOT TO SCALE



NOTES:

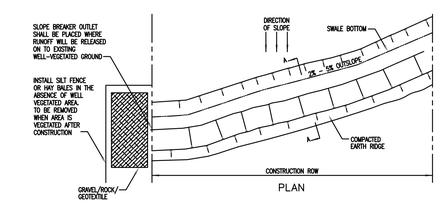
1. BARRIER PREVENTS COMPACTION OF SOIL AROUND ROOTS BY CONSTRUCTION EQUIPMENT.

2. RADIUS OF FENCING TO BE DETERMINED BY THE FOLLOWING FORMULA: FOR EVERY 1" OF DBH (DIAMETER AT BREAST HEIGHT) OF THE EXISTING TREE, THERE SHALL BE 1' RADIUS OF PROTECTIVE FENCE. THEREFORE, AN 8" DBH TREE WOULD HAVE A PROTECTIVE FENCE WITH A RADIUS OF 8'.



PLAN

1 TYPICAL TREE PROTECTION
Scale: Not To Scale



TYPICAL SLOPE BREAKER

NOTES:
1. PERMANENT SLOPE BREAKER SHALL BE INSTALLED AT THE BASE OF SLOPES ADJACENT TO WATERBODIES AND WETLANDS DURING FINAL GRADING.
2. SPACING IN TABLE USED FOR BOTH TEMPORARY AND PERMANENT INTERCEPTOR DIVERSIONS.
3. TEMPORARY INTERCEPTOR DIVERSIONS WILL BE MAINTAINED DURING THE CONSTRUCTION PHASE UNTIL FINAL INTERCEPTOR DIVERSIONS ARE INSTALLED.
4. IF GROUND COVER IS SPARSE SECURE SEDIMENT FILTER DEVICE OR STONE CHECK DAM IN OUTLET.
5. THE DIVERSION MAY EXTEND UP TO 5 FEET OFF THE R.O.W., IF NECESSARY, TO PROVIDE AN ADEQUATE OUTLET.
6. DIVERSION OUTLETS WILL ALTERNATE FROM SIDE TO SIDE WHENEVER POSSIBLE.

TABLE 1	
SLOPE (%)	SPACING (FEET)
0 - 5	0
5 - 15	300
>15 - 30	200
>30	100

2 SLOPE BREAKER DETAIL
Scale: N.T.S.

FGI PROJECT NO. 0211627.00

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

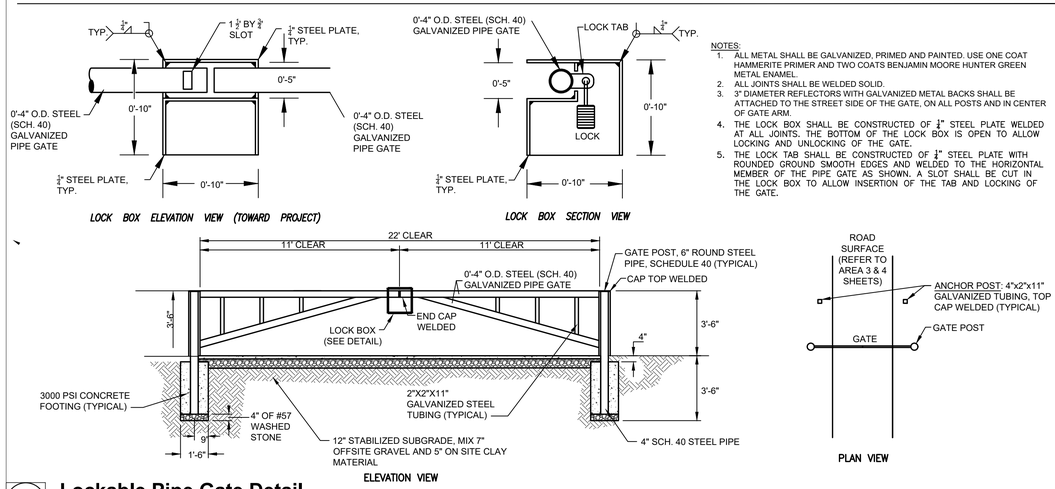
Lodge	7815232001	G	(2B)Cabin C	7815232004	G
Lower Dorm	7815232010	G	(2B)Cabin D	7815232005	G
Gymnasium	7815232011	G	(2B)Cabin E	7815232006	G
Game Room	7815232012	G	(2B)Cabin F	7815232007	G
Family Cabin	7815232013	G	(2B)Cabin G	7815232008	G
RR Building	7815232014	G	(2B)Cabin H	7815232009	G

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

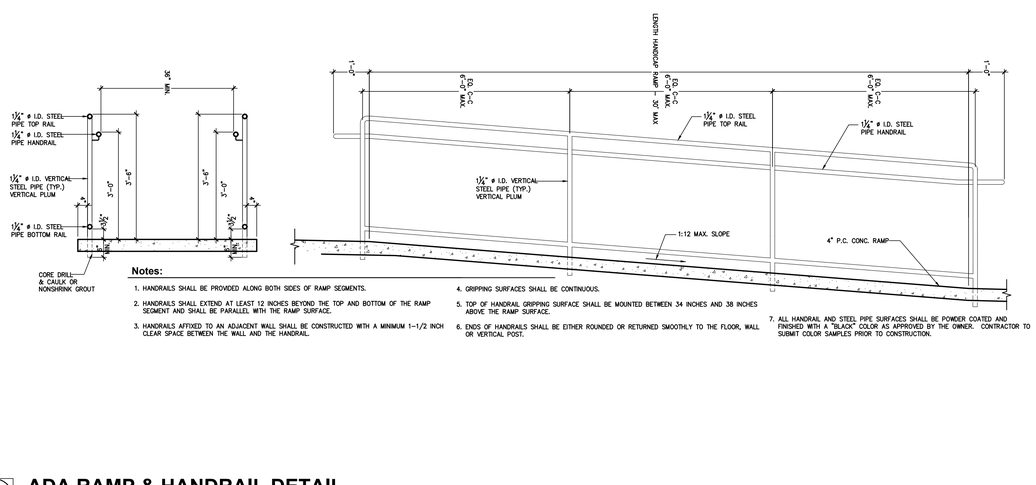
SHEET TITLE:
CIVIL DETAILS

SHEET NUMBER:
C-501



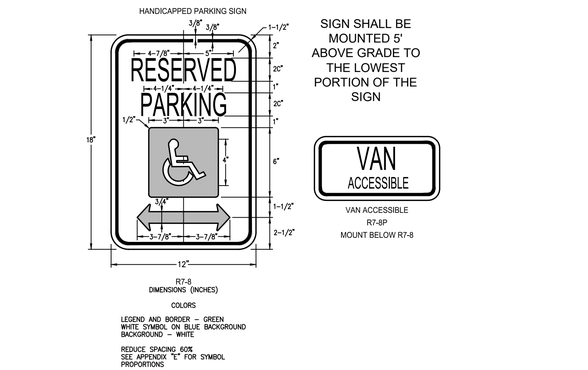
9 Lockable Pipe Gate Detail

Scale: Not To Scale



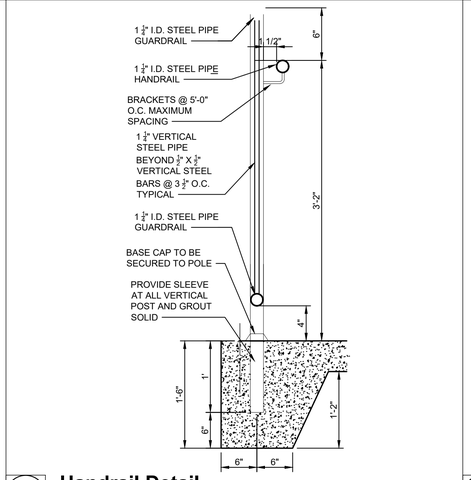
10 ADA RAMP & HANDRAIL DETAIL

Scale: Not To Scale



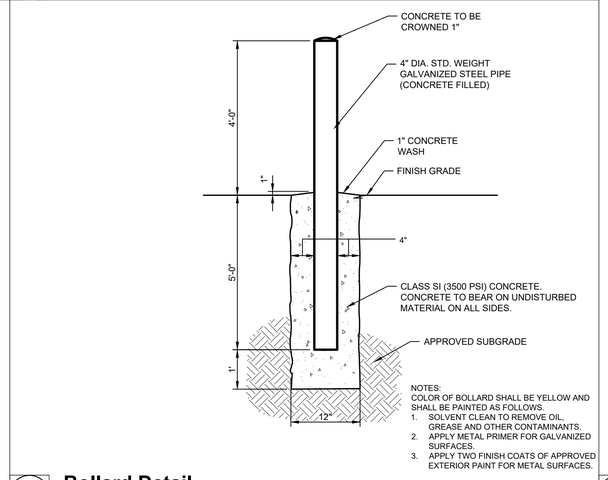
5 Handicap Parking Sign Detail

Scale: Not To Scale



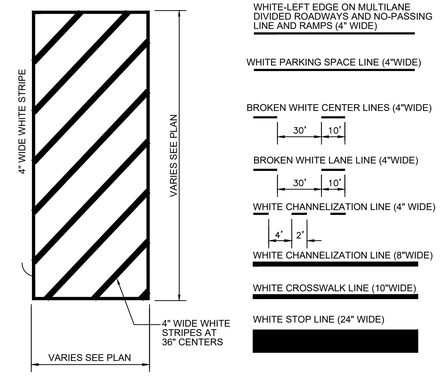
6 Handrail Detail

Scale: Not To Scale



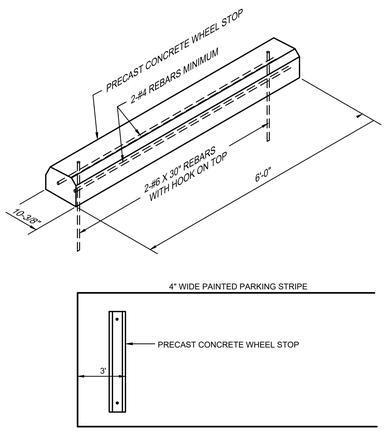
7 Bollard Detail

Scale: Not To Scale



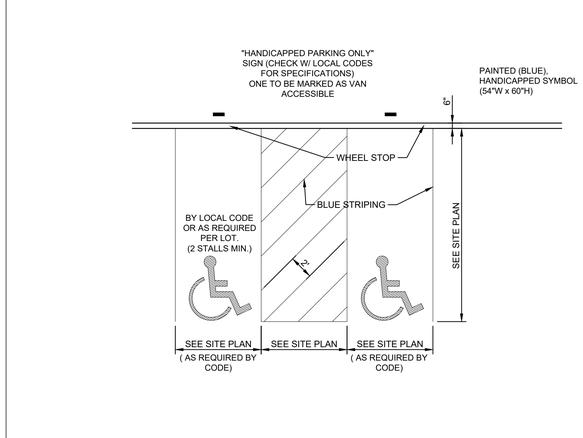
8 PAINTED STRIPE DETAIL

Scale: Not To Scale



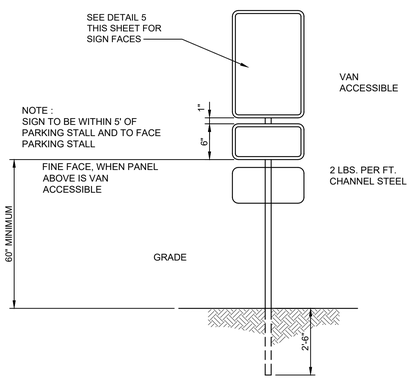
1 Concrete Wheel Stop Detail

Scale: Not To Scale



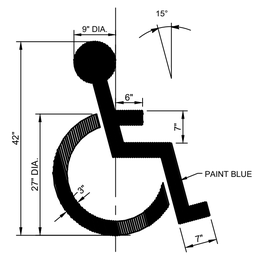
2 Handicap Stall Marking Detail

Scale: Not To Scale



3 Handicap Sign Detail

Scale: Not To Scale



4 Painted Handicap Symbol Detail

Scale: Not To Scale

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
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Salem, Missouri

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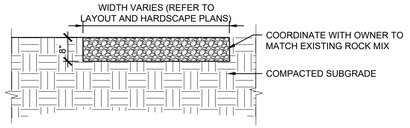
Lower Dorm	7815232010	0	2@Cabin D	7815232005	0
Gymnasium	7815232011	0	2@Cabin E	7815232006	0
Game Room	7815232012	0	2@Cabin F	7815232007	0
Family Cabin	7815232013	0	2@Cabin G	7815232008	0
RR Building	7815232014	0	2@Cabin H	7815232009	0

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

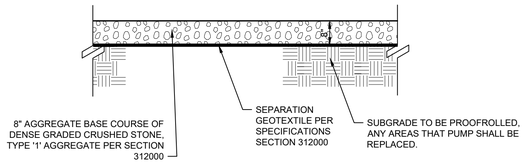
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
CIVIL DETAILS

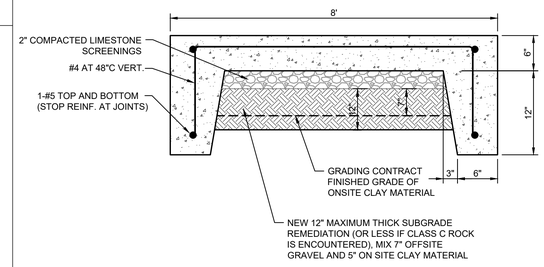
SHEET NUMBER:
C-502



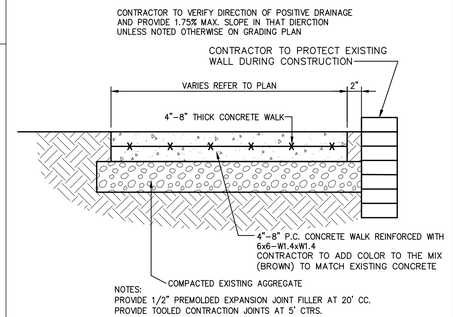
7 Crushed Rock Detail
Scale: Not To Scale



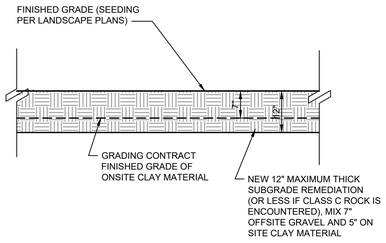
8 Gravel Road Detail
Scale: Not To Scale



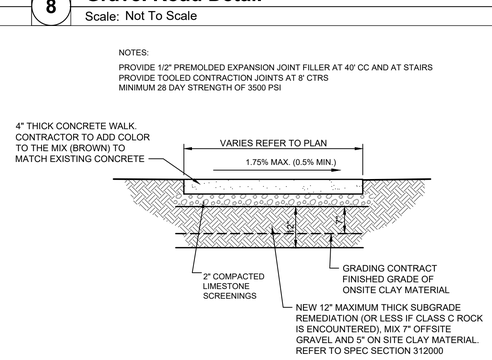
9 Concrete Walk with Turndown Detail
Scale: Not To Scale



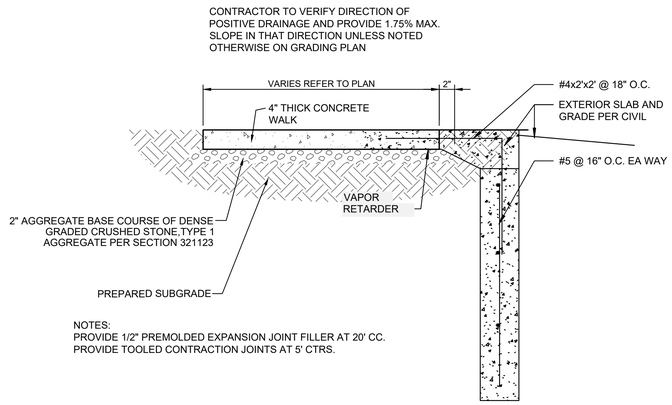
10 LOWER DORM CONCRETE WALK
Scale: NOT TO SCALE



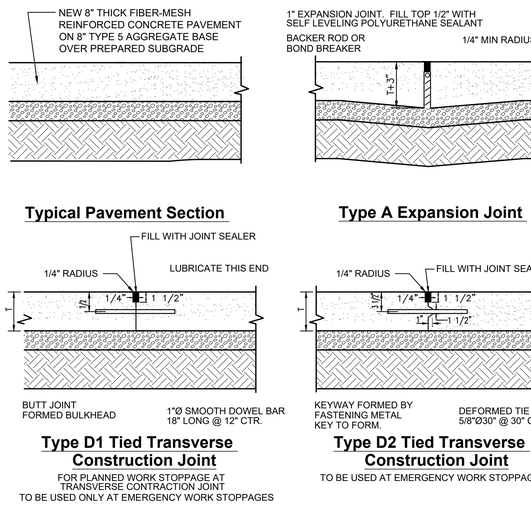
4 Stabilized Turf Detail
Scale: Not To Scale



5 Concrete Walk/HVAC Pad Detail
Scale: Not To Scale

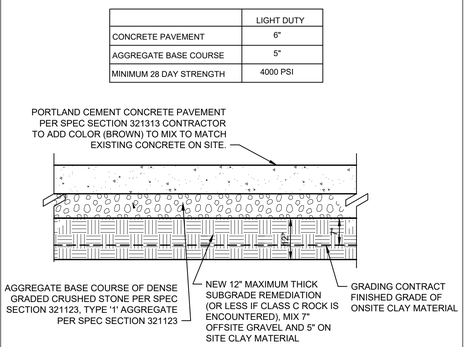


6 CONCRETE PAD AT DOOR STOOP WITH FROST WALL DETAIL
Scale: Not To Scale



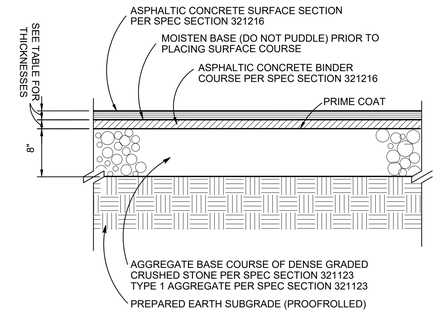
1 TYPICAL CONCRETE PAVEMENT DETAILS
Scale: Not To Scale

	LIGHT DUTY
CONCRETE PAVEMENT	6"
AGGREGATE BASE COURSE	5"
MINIMUM 28 DAY STRENGTH	4000 PSI



COMPACT SUBGRADE TO 90% OR GREATER OF MAX. DRY DENSITY PER ASTM D-1557
COMPACT BASE TO 95% MODIFIED PROCTOR ASTM D-1557
PROVIDE TOOLED CONTRACTION JOINTS AT 10' C.C.
PROVIDE EXPANSION JOINTS AT 60' C.C. AND AT FIXED OBJECTS

2 Concrete Pavement Detail
Scale: Not To Scale



COMPACT SUBGRADE TO 90% MAX. DRY DENSITY PER ASTM D-1557
COMPACT BASE TO 95% MAX. DRY DENSITY PER ASTM D-1557

	MEDIUM DUTY
SURFACE COURSE	2"
BINDER COURSE	2"
AGGREGATE BASE COURSE	8"

3 ASPHALTIC CONCRETE PAVEMENT DETAIL
Scale: Not To Scale

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

KEVIN N. HANNEL
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Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	12B/Cabin C	7815232004	12B/Cabin J	7815232007
Lower Dorm	7815232010	12B/Cabin D	7815232005	12B/Cabin K	7815232008
Gymnasium	7815232011	12B/Cabin E	7815232006	12B/Cabin L	7815232009
Game Room	7815232012	12B/Cabin F	7815232003		
Family Cabin	7815232013	12B/Cabin G	7815232002		
RR Building	7815232014	12B/Cabin H	7815232000		

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DATE:
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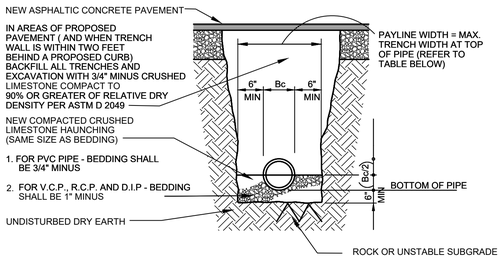
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
CIVIL DETAILS

SHEET NUMBER:
C-503

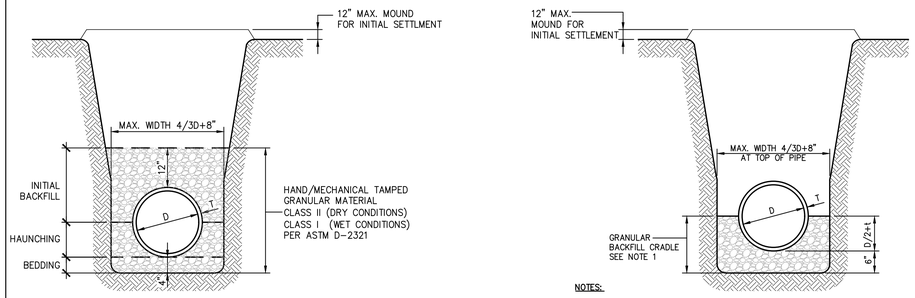


1. TRENCHES BEHIND CURBS SHALL BE BACKFILLED WITH ROCK TO WITHIN 12" OF SURFACE. REMAINING TRENCH SHALL BE FILLED w/6" CLEAN TOPSOIL ON 6" CLEAN EARTH BACKFILL.
2. BACKFILL IN TRENCHES WHICH ARE NOT IN AREAS OF (OR NOT WITHIN TWO FEET OF) PAVING SHALL CONSIST OF SELECTED JOB-EXCAVATED EARTH THOROUGHLY COMPACTED BY WATER JETTING OR WITH SUITABLE MECHANICAL TAMPERS.

INSIDE DIAMETER OF PIP (INCHES)	PAYLINE WIDTH OF TRENCH (INCHES)	INSIDE DIAMETER OF PIPE (INCHES)	PAYLINE WIDTH OF TRENCH (INCHES)
4,6,8,12	28		
15	32		
18	35		
21	39		
24			

6 UTILITY TRENCH DETAIL

Scale: Not To Scale

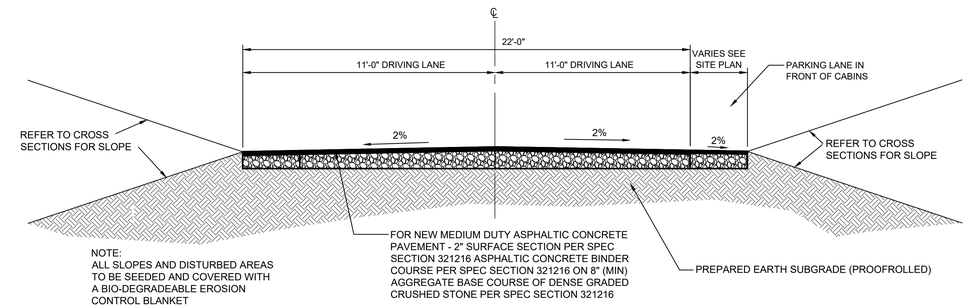


NOTES:

1. PIPE BEDDING (GRANULAR CRADLE) SHALL EXTEND TO VIRGIN GROUND WHEN SEWER IS CONSTRUCTED IN FILL AREAS.
2. BEDDING TYPE "C" PER A.S.T.M. C12.
3. PROVIDE WARNING TAPE AND TRACER WIRE OVER FORCE MAIN.
4. FOR ALL NONMETALLIC PIPES, LOCATING TAPE AND TRACER WIRE SHALL BE INSTALLED

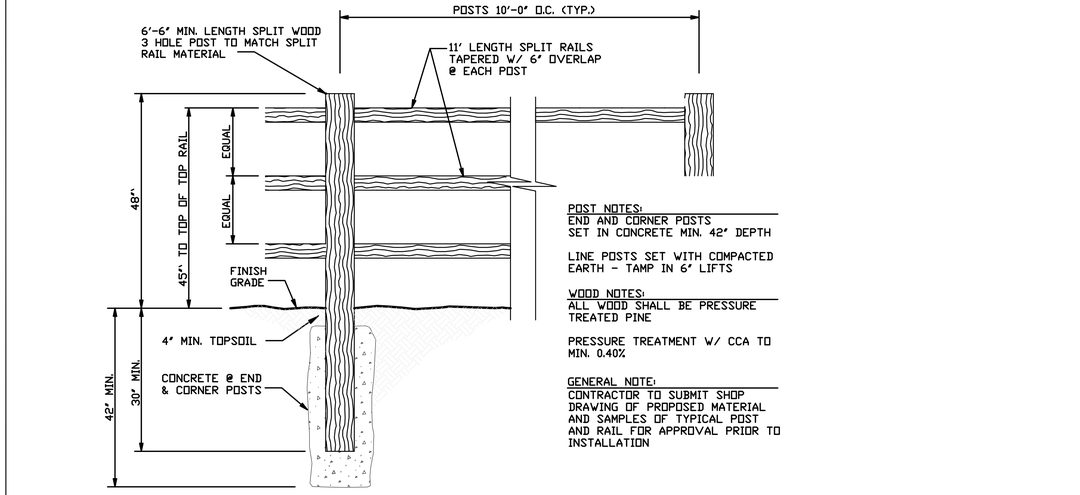
7 SEWER PIPE BEDDING DETAIL

Scale: Not To Scale



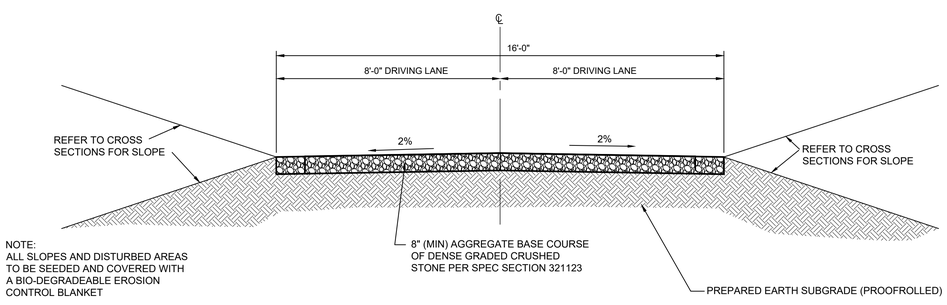
3 TYPICAL NEW 22' WIDE ROAD SECTION-ASPHALT-PAVEMENT

Scale: Not To Scale



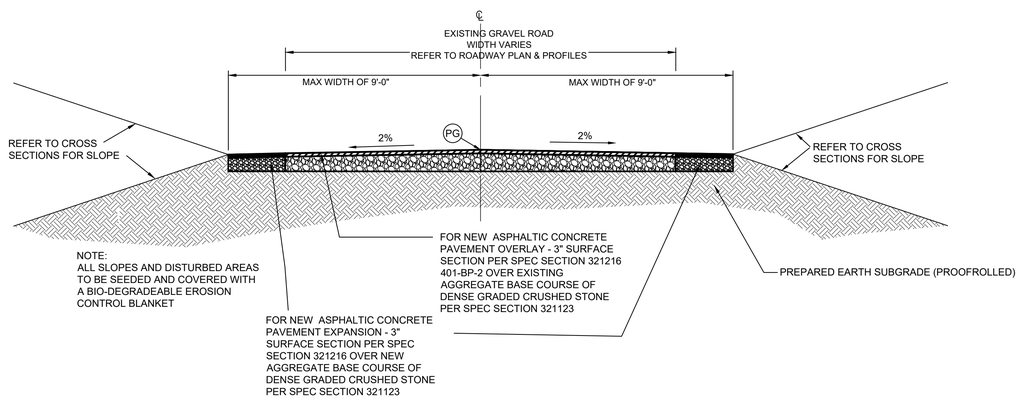
5 SPLIT RAIL FENCE DETAIL

Scale: NOT TO SCALE



2 TYPICAL NEW 16' WIDE ROAD SECTION-ROCK-PAVEMENT

Scale: Not To Scale



4 TYPICAL NEW 18' WIDE ROAD SECTION-ASPHALT-PAVEMENT W/ EXPANSION

Scale: Not To Scale

FGI PROJECT NO. 0211627.00

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

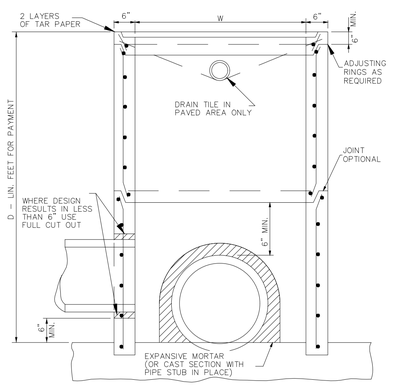
Lodge	7815232001	G	02BCabin C	7815232004	G
Lower Dorm	7815232010	G	02BCabin D	7815232005	G
Gymnasium	7815232011	G	02BCabin E	7815232006	G
Game Room	7815232012	G	02BCabin F	7815232007	G
Family Cabin	7815232013	G	02BCabin G	7815232008	G
RR Building	7815232014	G	02BCabin H	7815232009	G

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

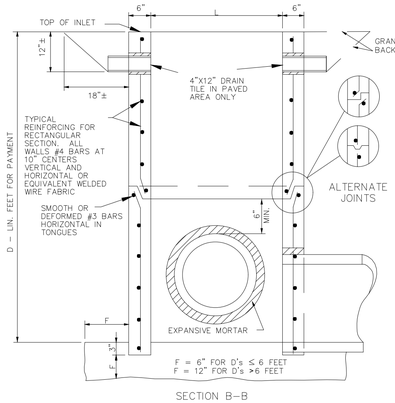
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
CIVIL DETAILS

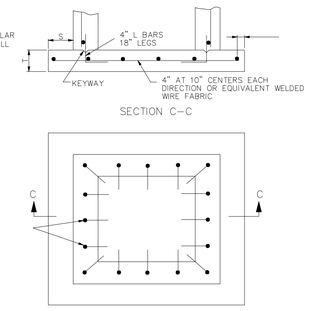
SHEET NUMBER:
C-504



SECTION A–A

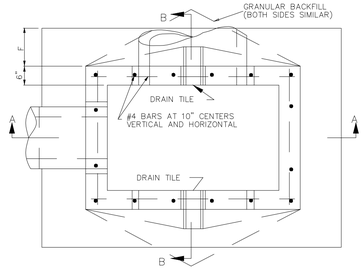


SECTION B–B

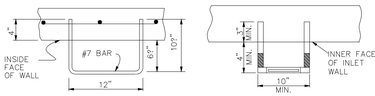


FOUNDATION SLAB AND BASE SECTION MAY BE POURED MONOLITHIC OR SEPARATELY WITH A KEYWAY.

PRECAST FOUNDATION SLAB

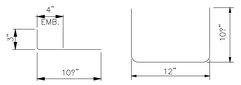


INLET PLAN



STEPS

STEP INSTALLATION (OTHER THAN STEEL BAR)



S – BARS

BENDING DIAGRAM STEEL STEP BAR

GENERAL NOTES:

STEPS SHALL BE PLACED AT VERTICAL INTERVALS OF 16" MAXIMUM IN ALL INLETS HAVING A DEPTH OF MORE THAN 4 FEET. STEPS SHALL BEGIN AT AN ELEVATION 6" ABOVE THE TOP OF THE OUTLET PIPE.

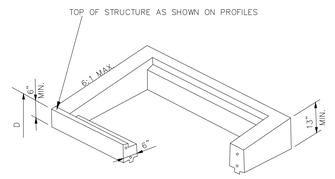
STEPS SHALL BE SET LEVEL AND IN VERTICAL ALIGNMENT AND NOT NEARER THAT 3" TO A JOINT.

NO DIRECT PAYMENT WILL BE MADE FOR INLET STEPS.

STEPS ARE NOT REQUIRED FOR TYPE D INLETS.

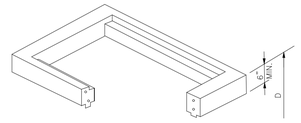
3 Precast Drop Inlet Detail

Scale: Not To Scale



TYPE S–2

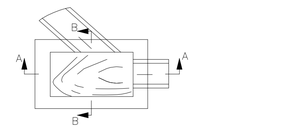
HORIZ. #4 BARS AT 6" CTRS. AND VERT. AT 10" CTRS.

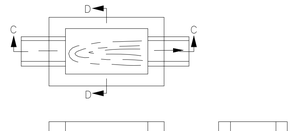


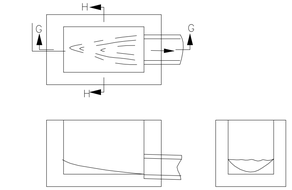
TYPE S–1

HORIZ. #4 BARS AT 6" CTRS. AND VERT. AT 10" CTRS.

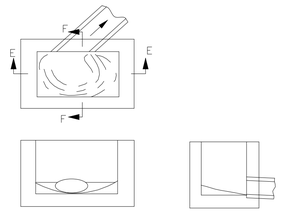
DROP INLET		
WIDTH FT.	LENGTH FT.	TYPE
2	2	A,B,C
4	2	
2	2	D
3	2	E,S–1 S–2,S–3
3	3	
5	2	
5	3	







TYPICAL INVERTS

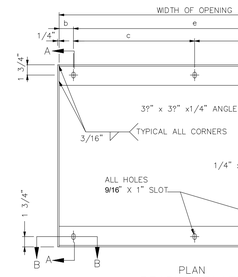


GENERAL NOTES:

THE CONCRETE FOR INVERTS SHALL BE PLACED AFTER COMPLETION OF THE DROP INLET BOX. NO DIRECT PAYMENT WILL BE MADE FOR FURNISHING OR PLACING INVERT CONCRETE.

4 Precast Drop Inlet Detail

Scale: Not To Scale



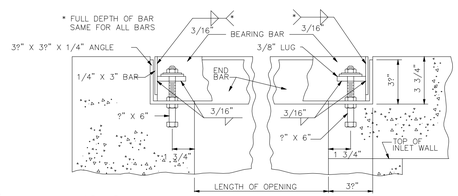
PLAN
BEARING PLATE



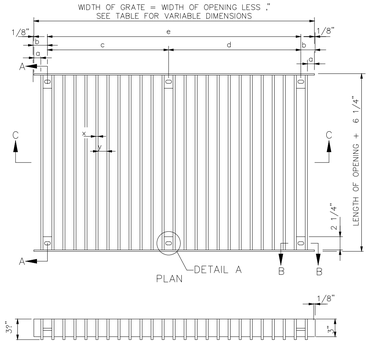
END VIEW OF BEARING BAR

WEIGHT AND DIMENSIONS DATA												
OPENING		WEIGHT	BEARING BARS				DIMENSIONS					REMARKS
WIDTH	LENGTH	(1) LBS.	x	y	LENGTH	NUMBER	a	b	c	d	e	
3'–1"	2'–1"	200	3/8"	3"	2'–6 3/4"	11	1 5/16"	3 5/16"			2'–6 3/8"	USE WITH TYPE S–2 AND TYPE S–3 INLETS ONLY

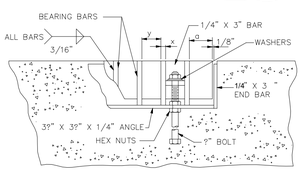
(1) THE WEIGHT OF THE GRATE AND BEARING PLATE INCLUDES THE BOLTS, NUTS, AND WASHERS AND SHALL BE AS SHOWN WITH A TOLERANCE OF 5 PERCENT.



SECTION A–A



SECTION C–C
GRATE

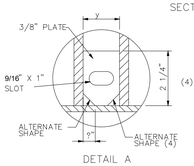


SECTION B–B

GENERAL NOTES:

WHEN BOLTS ARE CUT IN THE FIELD, THREADS MUST BE CLEANED TO PERMIT THE FINAL NUT TO RUN FREELY ON THE BOLT.

THE WELDING REQUIREMENTS SHOWN ON THIS DRAWING ARE FOR PAINTED GRATES AND BEARING PLATES. IF GALVANIZED, ALL TIGHTLY CONTACTING SURFACES SHALL BE COMPLETELY SEALED, ON ALL SIDES BY WELDING, PRIOR TO GALVANIZING.

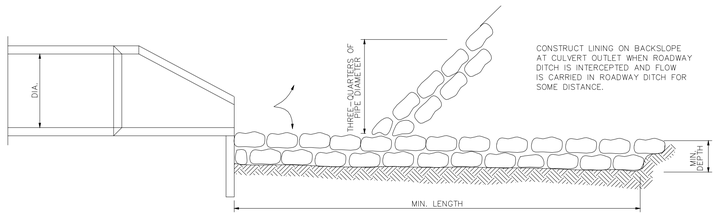


DETAIL A

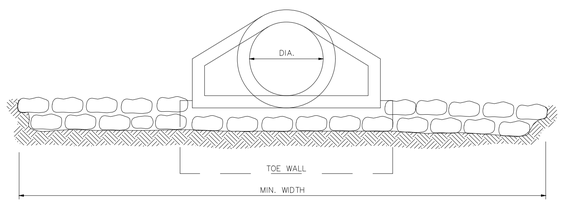
(4) OTHER ALTERNATE SHAPES ARE ALLOWED, UPON APPROVAL, PROVIDED 4 LINEAR INCHES WELD IS MAINTAINED SYMETRICALLY AROUND THE PLATE AND THE NOMINAL DIMENSIONS OF THE PLATE AND SLOT ARE MAINTAINED.

1 Storm Sewer Grates and Bearing Plates Detail

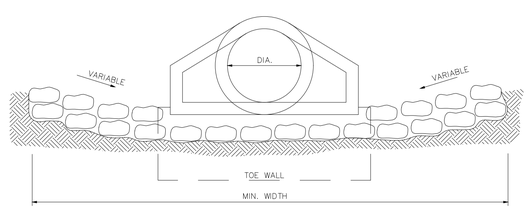
Scale: Not To Scale



SIDE VIEW



END VIEW



END VIEW
(ALTERNATE METHOD)

ROCK LINING FOR CULVERT OUTLETS					
CULVERT SIZE, DIA (IN.)	MINIMUN DEPTH AND WIDTH (FT.)	MINIMUM LENGHT (FT.)	ROCK LINING (CU.YD.)	EQUIVALENT PIPE ARCH CULVERT (APPROX.)	EQUIVALENT CONCRETE BOX CULVERT (APPROX.)
18	1 X 4	12	2		
24	1 X 6	14	3		2' X 19"
30	1 X 7	16	4	B–5	2' X 2'
36	1.5 X 9	18	9	B–6	3' X 2'
42	2 X 10	20	15	B–7	3' X 3'
48	2 X 12	20	18	B–8	4' X 3'
54	2 X 13.5	22	22	B–9	4' X 4'
60	2 X 15	25	28	B–10	5' X 4'
66	2 X 18	25	33	B–11	5' X 5'
72	2 X 20	30	44	B–12	5' X 6'
84	2.5 X 25	35	81		6' X 6'
96	2.5 X 30	40	111		7' X 7'
108	3 X 32	40	142		8' X 8'

GENERAL NOTES:

THE DIMENSIONS SHOWN IN THE TABLE CAN BE APPLIED TO BOX OR ARCH CULVERTS OF EQUIVALENT WATERWAY AREA.

2 Rock Lining for Culvert Outlets Detail

Scale: Not To Scale

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	G	2BCabin C	7815232004	G
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RR Building	7815232014	G	2BCabin H	7815232009	G

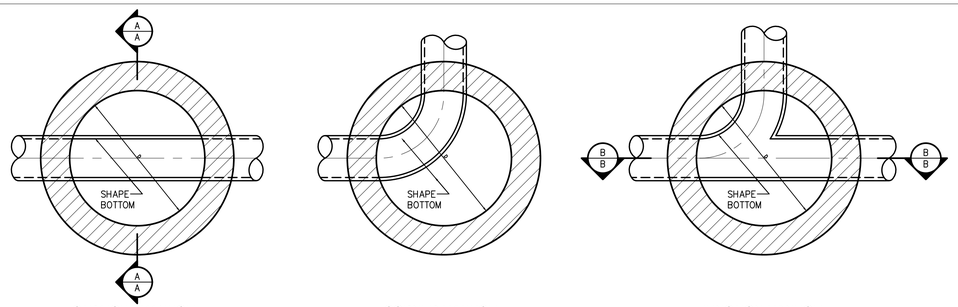
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

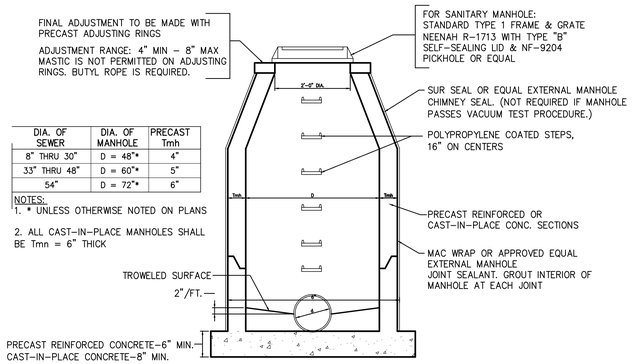
SHEET TITLE:
CIVIL DETAILS

SHEET NUMBER:
C-505

SHEET 77 of 219
ISSUE DATE 11/26/2025



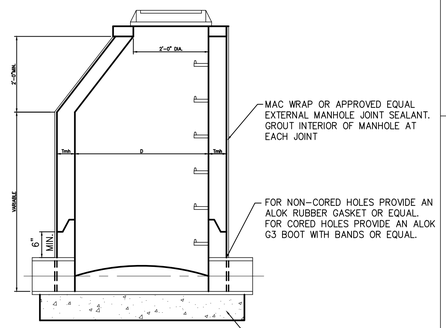
STRAIGHT MANHOLE | CORNER MANHOLE | JUNCTION MANHOLE



DIA. OF SEWER	DIA. OF MANHOLE	PRECAST Tmh
8" THRU 30"	D = 48"*	4"
33" THRU 48"	D = 60"*	5"
54"	D = 72"*	6"

NOTES:
1. * UNLESS OTHERWISE NOTED ON PLANS
2. ALL CAST–IN–PLACE MANHOLES SHALL BE Tmn = 6" THICK

SECTION A-A



SECTION B-B

MANHOLE NOTES:

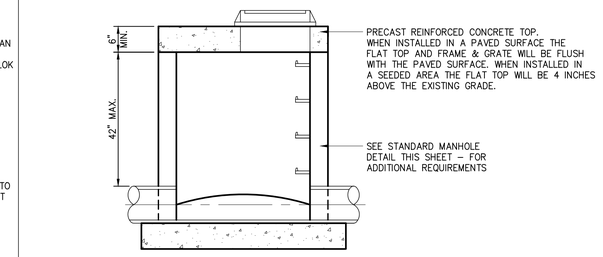
1. MANHOLE COVER ON SANITARY AND COMBINATION SEWERS SHALL BE CLOSED TYPE, ON STORM SEWERS THEY SHALL BE OPEN TYPE.
2. ALL SANITARY SEWER MANHOLES TO BE WATER TIGHT.
3. ALL MANHOLES TO BE BACKFILLED WITH SELECT POROUS GRANULAR MATERIAL.
4. 8" THRU 24" DIAMETER SEWERS TO BE LAID THROUGH MANHOLES WITH FITTINGS FOR JUNCTIONS IF REQUIRED AND TOP HALF BROKEN OUT. (SANITARY ONLY).
5. THE MANHOLE SHALL BE TESTED AS PER THE SPECIFICATIONS. THE MANHOLE WILL BE TESTED WITH THE FRAME ATTACHED TO THE MANHOLE AND ALL ADJUSTING RINGS IN PLACE.

FRAME AND GRATE

TYPE 1 – NEENAH R–1713
TYPE 3 – NEENAH NO. R–3010 WITH OPEN TYPE CURB BOX AND TYPE A GRATE
TYPE 50 – NEENAH NO. R–3067 AND TYPE A GRATE
TYPE 60 – NEENAH NO. R–4341–A GRATE
TYPE 61 – NEENAH NO. R–4342 GRATE

4 STANDARD STORM MANHOLE PLANS AND SPECIFICATIONS

Scale: Not To Scale

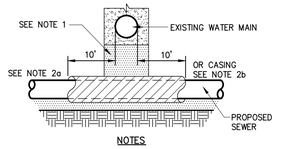


NOTES:

1. WHEN MANHOLE IS INSTALLED IN A PAVED SURFACE A ONE INCH THICK EXPANSION JOINT TO BE INSTALLED BETWEEN THE MANHOLE AND PAVED SURFACE.
2. WHEN MANHOLE IS INSTALLED IN PAVED SURFACE USE STANDARD FRAME & GRATE R–1646 WITH SELF SEALING SANITARY LID & NF–9204 PICKHOLE.

5 TYPE C MANHOLE DETAIL

Scale: Not To Scale



NOTES

1. OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF WATER MAIN.

2a. CONSTRUCT (20 + PIPE O.D.) FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

2b. USE (20 + PIPE O.D.) FEET OF CASING FOR PROPOSED SEWER AND SEAL ENDS OF CASING.

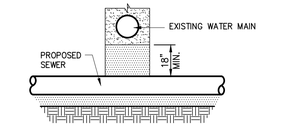
3. POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN.

4. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

5. CLASS IV MATERIAL TO BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.

6. FOR ALL NONMETALLIC PIPES, LOCATING TAPE AND TRACER WIRE SHALL BE INSTALLED

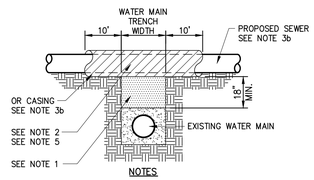
PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" SEPARATION.



NOTES

1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.
2. MAINTAIN 18" MINIMUM VERTICAL SEPARATION FOR 10 FEET.
3. FOR ALL NONMETALLIC PIPES, LOCATING TAPE AND TRACER WIRE SHALL BE INSTALLED

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH MINIMUM 18" SEPARATION.



NOTES

1. IF SELECT GRANULAR BACKFILL EXISTS; REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
2. OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF WATER MAIN.

3a. CONSTRUCT (20 + PIPE O.D.) FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;

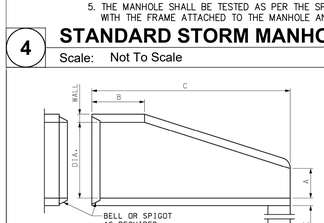
3b. USE (20 + PIPE O.D.) FEET OF CASING FOR PROPOSED SEWER AND SEAL ENDS OF CASING.

4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN.
5. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.
6. CLASS IV MATERIAL TO BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.
7. FOR ALL NONMETALLIC PIPES, LOCATING TAPE AND TRACER WIRE SHALL BE INSTALLED

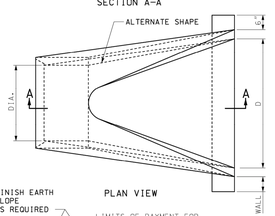
EXISTING WATER MAIN BELOW PROPOSED SEWER LINE WITH 18" MINIMUM SEPARATION.

3 WATER SEPARATION DETAIL

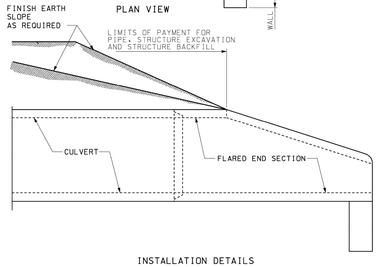
Scale: N.T.S.



SECTION A–A



PLAN VIEW



INSTALLATION DETAILS

DIMENSIONS						
DIA.	WALL	A	B MIN.	C MIN.	D	E
12"	2"	4"	4'–0"	6'	2'–0"	18"
15"	2½"	6"	3'–10"	6'	2'–6"	18"
18"	2½"	9"	3'–10"	6'	3'–0"	18"
21"	2½"	9"	3'–2"	6'	3'–6"	18"
24"	3"	9½"	2'–6"	6'	4'–0"	24"
27"	3½"	10½"	2'–1"	6'	4'–6"	24"
30"	3½"	1'–0"	1'–7"	6'	5'–0"	24"
33"	3½"	1'–2"	1'–7"	6'	5'–6"	24"
36"	4"	1'–3"	2'–10"	8'	6'–0"	24"
42"	4½"	1'–9"	2'–11"	8'	6'–6"	24"
48"	5"	2'–0"	2'–2"	8'	7'–0"	24"
54"	5½"	2'–3"	2'–11"	8'	7'–6"	36"
60"	6"	2'–6"	3'–3"	8'	8'–0"	36"
66"	6½"	2'–0"	1'–9"	8'	8'–6"	36"
72"	7"	2'–0"	2'–9"	10'	9'–0"	36"
78"	7½"	2'–3"	2'–3"	10'	9'–6"	36"
84"	8"	2'–6"	2'–0"	10'	10'–0"	36"

REINFORCEMENT					
ADJOINING PIPE DIA.	BARREL SECTION REINFORCEMENT			FLARE SECTION REINFORCEMENT (ONE LAYER ONLY IN CENTER OF WALL)	
	CIRCULAR		ELLIPTICAL		
	INNER CAGE SQ. IN./ LIN. FT.	OUTER CAGE SQ. IN./ LIN. FT.	SQ. IN./ LIN. FT.	AREA OF LONGITUDINAL SQ. IN./ LIN. FT.	AREA OF TRANSVERSE SQ. IN./ LIN. FT.
12"	0.07			0.048	0.048
15"	0.07			0.054	0.054
18"	0.07		0.07	0.060	0.060
21"	0.07		0.07	0.066	0.066
24"	0.07		0.07	0.072	0.072
27"	0.13		0.11	0.078	0.078
30"	0.14		0.12	0.084	0.084
33"	0.15		0.13	0.090	0.090
36"	0.12	0.09	0.13	0.096	0.096
42"	0.15	0.12	0.17	0.108	0.108
48"	0.18	0.14	0.20	0.120	0.120
54"	0.22	0.16	0.24	0.132	0.132
60"	0.25	0.19	0.28	0.144	0.144
66"	0.31	0.23	0.34	0.156	0.156
72"	0.35	0.21	0.39	0.170	0.170
78"	0.40	0.24	0.44	0.185	0.185
84"	0.46	0.28	0.51	0.205	0.205

GENERAL NOTES:

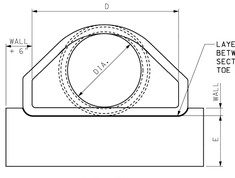
SLIGHT VARIATIONS IN BOTH SHAPE AND DIMENSIONS FROM THOSE SHOWN MAY BE ACCEPTED IF APPROVED BY THE ENGINEER.

NOT MORE THAN THREE LIFT HOLES MAY BE DRILLED OR CAST IN THE END SECTION FOR HANDLING AND LAYING.

LIFT LUGS OR BARS WILL BE PERMITTED IN PRECAST TOE WALLS.

TOE WALLS MAY BE CAST–IN–PLACE OR PRECAST.

STEEL FIBERS MAY BE USED IN LIEU OF REBAR OR COLD DRAWN STEEL WIRE AS PER SECTION 1032.3.4.



END VIEW

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1–888–ASK–MODOT (1–888–275–6636)

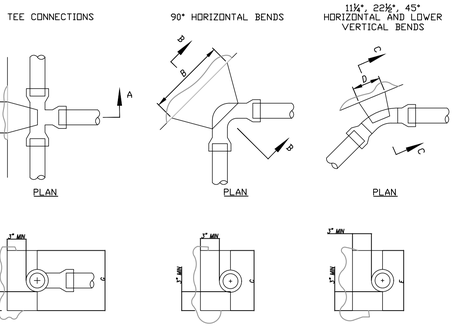
ERIC J. SCHROETER NUMBER PE–2009012853 PROFESSIONAL ENGINEER
THIS SHEET WAS SIGNED, SEALED AND DATED ELECTRONICALLY

FLARED END SECTION
PRECAST CONCRETE

DATE EFFECTIVE: 04/01/2016
DATE PREPARED: 2/11/2016
732.00S
SHEET NO. 1 OF 3

1 CONCRETE FLARED END SECTION

Scale: Not To Scale



THRUST BLOCKING NOTES:

1. USE TYPE 1 CONCRETE
2. CARRY ALL BEARING SURFACES TO UNDISTURBED GROUND OR FIRM SUBGRADE.
3. BUTTRESS SIZED FOR 160 PSI
4. DO NOT ENCASE JOINTS
5. ONLY MIX WITH POTABLE WATER

BLOCKING SCHEDULE						
PIPE SIZE	B	C	D	E	F	G
1 1/4" & 1 1/2"	8'	8'	10'	5'	6'	6'
2"	10'	10'	14'	7'	10'	10'
2 ½"	10'	10'	14'	7'	10'	10'
3"	12'	12'	18'	9'	12'	12'
4"	13'	12'	24'	12'	16'	16'

2 THRUST BLOCK DETAILS

Scale: N.T.S.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

KEVIN N. HANNEL NUMBER PE–2009012853 PROFESSIONAL ENGINEER STATE OF MISSOURI

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Engineers | Architects | Surveyors | Scientists

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	D	12BCabin C	7815232004	D
Lower Dorm	7815232010	D	12BCabin D	7815232005	D
Gymnasium	7815232011	D	12BCabin E	7815232006	D
Game Room	7815232012	D	12BCabin F	7815232007	D
Family Cabin	7815232013	D	12BCabin G	7815232008	D
RR Building	7815232014	D	12BCabin H	7815232009	D

REVISION: DATE:
REVISION: DATE:
REVISION: DATE:

ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

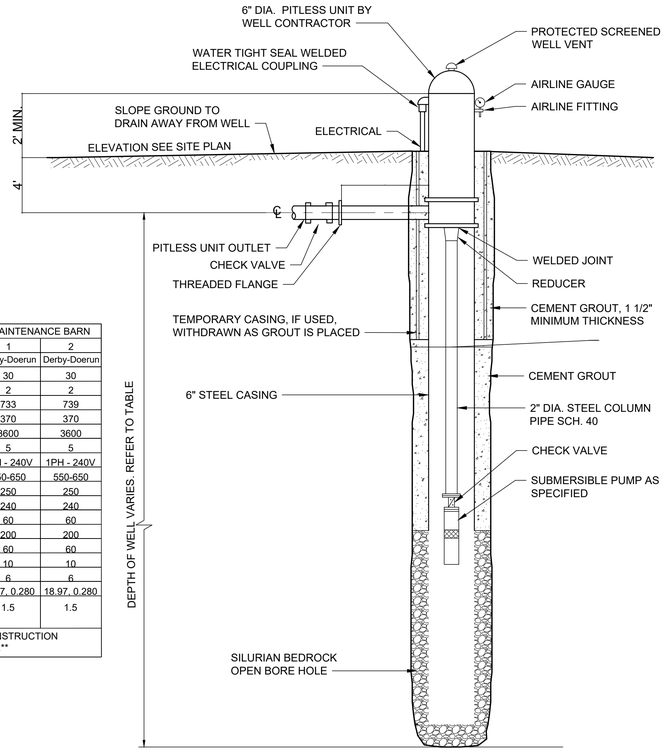
CIVIL DETAILS

SHEET NUMBER:

C-506

SHEET 78 of 219
ISSUE DATE 11/26/2025

FGI PROJECT NO. 0211627.00

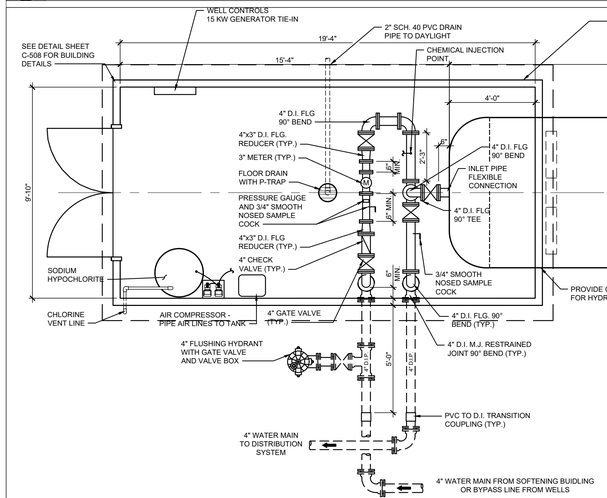


LOCATION		MAINTENANCE BARN	
WELL NO.		1	2
TARGET FORMATION		Derby-Doerun	Derby-Doerun
CAPACITY	(GPM)	30	30
COLUMN PIPE DIAMETER	(INCH)	2	2
EST. LAND ELEVATION	(FT)	733	739
EST. DISCHARGE HEAD	(FT TDH)	370	370
SPEED	(RPM)	3600	3600
EST. MOTOR SIZE	(HP)	5	5
ELECTRICAL		1PH - 240V	1PH - 240V
WELL DEPTH	(FT BELOW LAND SURFACE)	550-650	550-650
CASING DEPTH	(FT BELOW LAND SURFACE)	250	250
PUMP SETTING	(FT BELOW LAND SURFACE)	240	240
ASSUMED STATIC LEVEL	(FT BELOW LAND SURFACE)	60	60
PUMPING LEVEL	(FT BELOW LAND SURFACE)	200	200
SYSTEM PRESSURE	(PSI)	60	60
BOREHOLE DIA. (MIN)	(inches)	10	10
CASING DIAMETER	(inches)	6	6
CASING SPECIFICATION	lbs/ft, inch thickness	18.97, 0.280	18.97, 0.280
PITLESS UNIT VENT SIZE	(inches)	1.5	1.5

NOTE: ALL DATA SHALL BE CORRECTED DURING WELL CONSTRUCTION AND TESTED TO ACTUAL CONDITIONS MEASURED.

4 WELL DETAIL

Scale: NOT TO SCALE

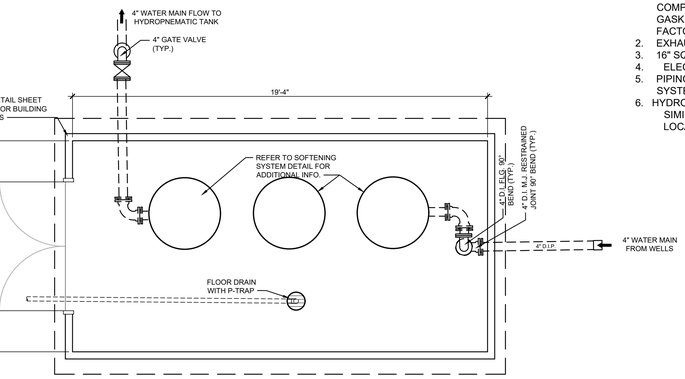


Notes

1. LIGHT FIXTURE - 7"W x 5"H x 48"L FULLY ENCLOSED INDUSTRIAL COMPRESSION MOLDED FIBERGLASS HOUSING, SEAMLESS THERMOSET GASKETING; (2) 16 WATT T8 LAMPS; 100% POLYCARBONATE LENS (LEX); FACTORY INSTALLED WATERTIGHT BACK HUB (WTT/1); 120 VOLT.
2. EXHAUST FAN - 16" SQUARE CORROSION-RESISTANT FAN WITH SHUTTER
3. 16" SQUARE ALUMINUM FRAME GRAVITY LOUVER
4. ELECTRIC HEATER
5. PRESSURE SWITCH - 1/4" NPSF (INTERNAL) CONNECTION, OR APPROVED EQUAL PRESSURE SWITCH MUST BE WIRED TO TURN ON WELL PUMP AND CHLORINATOR PUMP SIMULTANEOUSLY.
6. PRESSURE GAUGE
7. PUMP MOTOR CONTROL PANEL DESIGNED TO MATCH PUMP MOTOR.
8. CHLORINATOR PUMP
9. PIPING IS TO BE SET 18-INCHES ON CENTER ABOVE THE FLOOR
10. STAINLESS STEEL SHELF, 12" x 36", LOAD RATING 150 LBS
11. CHLORINE SOLUTION TANK IS TO BE CONSTRUCTED OF CHLORINE RESISTANT PLASTIC. THE TANK MUST INCLUDE A LID AND HAVE A HOLE, IN THE TOP PORTION OF THE TANK, FOR THE INSERTION OF A FEED TUBE. A CHLORINE RESISTANT GROMMET SHOULD BE INSERTED IN THE HOLE TO PROVIDE A TIGHT FIT FOR THE TUBE.
12. HYDROPNEUMATIC TANK BUILDING ELECTRICAL PLAN TO BE SIMILAR TO PROPOSED SOFTENING BUILDING ELECTRICAL PLAN. ADJUST ELECTRIC HEATER AND OUTLET LOCATIONS AS NECESSARY TO ACCOMMODATE HYDROPNEUMATIC TANK.

1 HYDROPNEUMATIC TANK DETAIL

Scale: NOT TO SCALE



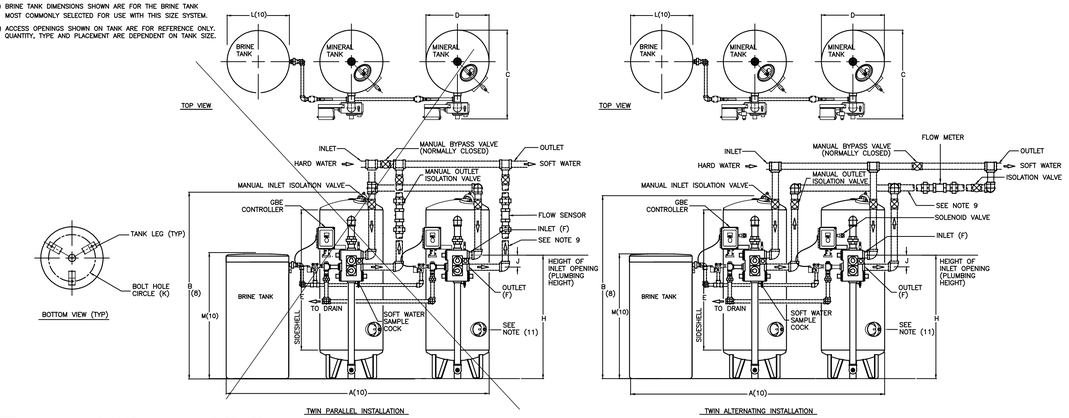
6 SOFTENING SYSTEM PLAN DETAIL

Scale: NOT TO SCALE

NOTES:

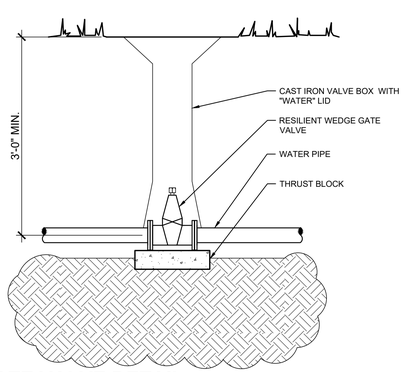
(1) ITEMS SHOWN IN BROKEN LINES TO BE FURNISHED BY OTHERS.
(2) ALL DIMENSIONS ARE ± 1 INCH (25mm) AND SUBJECT TO CHANGE WITHOUT NOTICE.
(3) UNIONS SHOULD BE LOCATED ON INLET AND OUTLET CONNECTIONS OF CONTROL VALVE TO FACILITATE SERVICING.
(4) THE USE OF DISSIMILAR METALS IN A PIPING SYSTEM IS NOT RECOMMENDED. WHERE DISSIMILAR METALS MUST BE CONNECTED IN A WATER SYSTEM, THE USE OF NONCONDUCTIVE (DIELECTRIC) FITTINGS MAY REDUCE GALVANIC CORROSION.
(5) FOR MAXIMUM PROTECTION OF THE CONTROLLER, IT IS RECOMMENDED THAT A DEDICATED 120 VOLT CIRCUIT IS PROVIDED.
(6) ALLOW A MINIMUM OF 24 INCHES ABOVE SOFTENER FOR FILLING.
(7) TO PERMIT THE OBSERVATION OF THE DRAIN FLOW DO NOT MAKE A DIRECT CONNECTION TO THE DRAIN. PROVIDE AN AIR GAP OF AT LEAST FOUR TIMES THE DIAMETER OF THE DRAIN PIPE OR CONFORM TO LOCAL SANITATION CODES.
(8) OVERALL TANK HEIGHT IS BASED ON STANDARD NON-CODE TANK CONSTRUCTION. SEE ASME TANK HEIGHT ADDER FOR ASME TANKS.
(9) WHEN USING A WATER METER, THERE MUST BE A MINIMUM AMOUNT OF STRAIGHT PIPE BEFORE AND AFTER THE SENSOR. REFER TO THE INSTALLATION INSTRUCTIONS FOR DETAILS.
(10) BRINE TANK DIMENSIONS SHOWN ARE FOR THE BRINE TANK MOST COMMONLY SELECTED FOR USE WITH THIS SIZE SYSTEM.
(11) ACCESS OPENINGS SHOWN ON TANK ARE FOR REFERENCE ONLY. QUANTITY, TYPE AND PLACEMENT ARE DEPENDENT ON TANK SIZE.

MODEL	DIMENSIONS (INCHES) WIDTH A(10)	HEIGHT B(8)	DEPTH C	TANK DIA. D	SIDE-SHELL E	INLET/OUTLET PIPE SIZES F	DRAIN SIZE G	FLOOR TO INLET H	INLET TO OUTLET J	BOLT HOLE CIRCLE DIA. K	BRINE TANK DIA. L(10)	BRINE TANK HEIGHT M(10)	UNIT DATA (PER TANK) MAX. CAPACITY KGR @ SALT DOSAGE	RESIN VOLUME ft³	CONTINUOUS FLOW gpm @ 15 psi drop	PEAK FLOW gpm @ 25 psi drop	DRAIN FLOW gpm	MIN. DRAIN PIPE SIZE IN.	ASME TANK HEIGHT ADDER (8) IN.	DUPLEX OPER. WT. lbs.	DUPLEX SHIP. WT lbs.
CSM 150-2	88	73	31	20	54	2.0	0.75	47.62	4.62	14"	24	48	150 @ 50	5	67	94	10	1.0	3	3700	1660
CSM 210-2	96	74	35	24	54	2.0	1.0	47.62	4.62	18"	24	48	210 @ 70	7	76	102	13.5	1.0	4	4600	2230
CSM 300-2	114	85	42	30	60	2.0	1.0	47.62	4.62	24"	30	48	300 @ 100	10	84	112	20	1.25	4.25	6600	3160
CSM 300-3	114	85	44	30	60	3.0	1.0	49.62	6.62	24"	30	48	300 @ 100	10	152	210	20	1.25	4.25	6700	3260
CSM 450-2	114	85	42	30	60	2.0	1.0	47.62	4.62	24"	30	48	450 @ 150	15	79	106	20	1.25	4.25	7600	3880
CSM 450-3	114	85	44	30	60	3.0	1.0	49.62	6.62	24"	30	48	450 @ 150	15	135	192	20	1.25	4.25	7700	3980
CSM 600-2	132	88	48	36	60	2.0	1.0	47.62	4.62	30"	36	48	600 @ 200	20	94	125	30	1.25	7	11000	5170
CSM 600-3	132	88	50	36	60	3.0	1.0	49.62	6.62	30"	36	48	600 @ 200	20	183	252	30	1.25	7	11100	5270
CSM 750-2	150	90	54	42	60	2.0	2.5	47.62	4.62	36"	42	48	750 @ 250	25	97	129	45	2	3	13800	6780
CSM 750-3	150	90	56	42	60	3.0	2.5	49.62	6.62	36"	42	48	750 @ 250	25	201	267	45	2	3	13900	6880
CSM 900-2	150	90	54	42	60	2.0	2.5	47.62	4.62	36"	42	48	900 @ 300	30	96	127	45	2	3	14400	7300
CSM 900-3	150	90	56	42	60	3.0	2.5	49.62	6.62	36"	42	48	900 @ 300	30	193	259	45	2	3	14500	7400



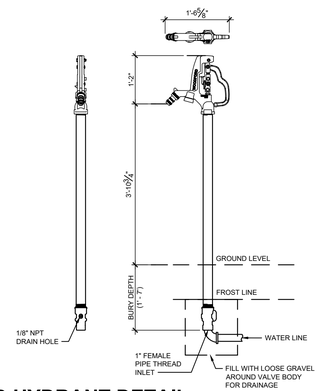
5 WATER SOFTENER SYSTEM DETAIL

Scale: NOT TO SCALE



2 GATE VALVE DETAIL

Scale: NOT TO SCALE



3 YARD HYDRANT DETAIL

Scale: NOT TO SCALE

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

KEVIN N. HANNEL
NUMBER PE-2009012870
PROFESSIONAL ENGINEER

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

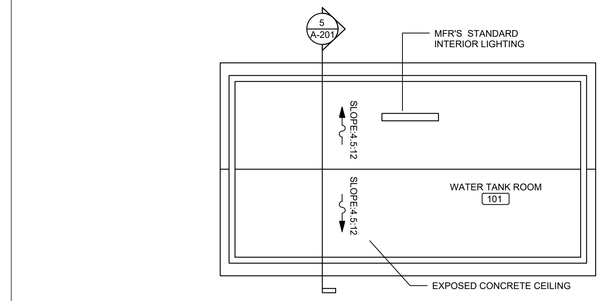
Lodge	7815232001	12B/Cabin C	7815232004
Lower Dorm	7815232010	12B/Cabin D	7815232005
Gymnasium	7815232011	12B/Cabin E	7815232006
Game Room	7815232012	12B/Cabin F	7815232007
Family Cabin	7815232013	12B/Cabin G	7815232008
RR Building	7815232014	12B/Cabin H	7815232009

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
CIVIL DETAILS

SHEET NUMBER:
C-507



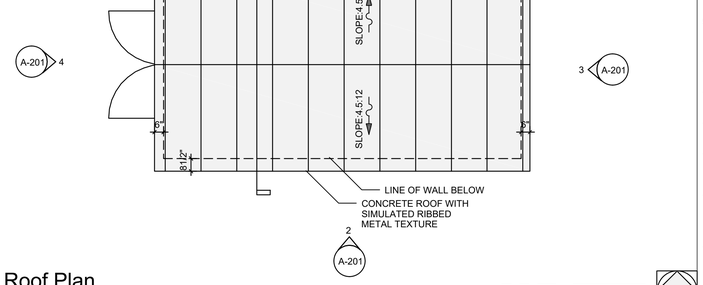
3 Reflected Ceiling Plan

Scale: 1/4" = 1'-0"

Exterior Color Schedule

CONCRETE ROOF	CONCRETE WALLS SIMULATED VERTICAL SIDING	CONCRETE WALLS SIMULATED HORIZONTAL SIDING	DOOR AND FRAMES	VENTS AND LOUVERS	WINDOW FRAMES
CUSTOM GRAY PAINT TO MATCH LEAD-COTE" BY BERRIDGE	FILOLI MAJESTIC OAK 2008-7B (VALSPAR)	FILOLI MAJESTIC OAK 2008-7B (VALSPAR)	MONTANA MOSS 6009-3 (VALSPAR)	MONTANA MOSS 6009-3 (VALSPAR)	MONTANA MOSS 6009-3 (VALSPAR)

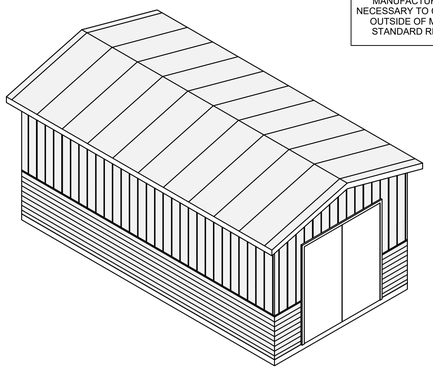
NOTES:
1. SEE SPECIFICATIONS FOR COLOR DESIGNATIONS



2 Roof Plan

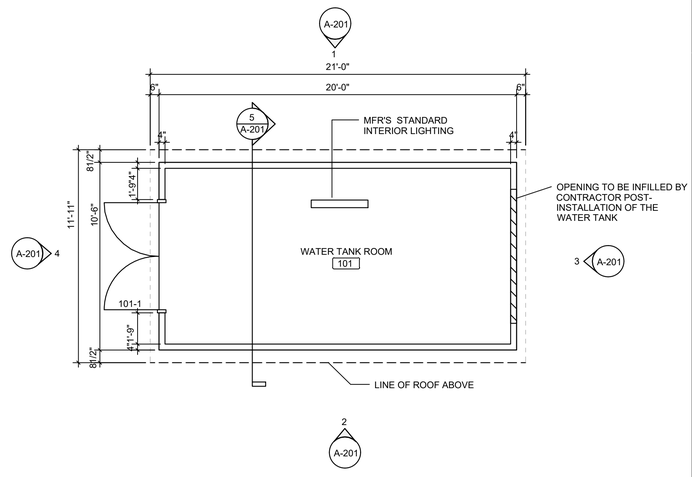
Scale: 1/4" = 1'-0"

PRE-MANUFACTURED BUILDING SCOPE AND REQUIREMENTS VARY BY MANUFACTURER. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH SELECTED MANUFACTURER AS TO WORK NECESSARY TO COMPLETE BUILDING OUTSIDE OF MANUFACTURER'S STANDARD RESPONSIBILITIES.



4 Axonometric View

Scale:



1 Floor Plan

Scale: 1/4" = 1'-0"

General Notes

1. ALL DIMENSIONS ARE TO FACE OF CONCRETE UNLESS NOTED OTHERWISE.
2. BASIS OF DESIGN:
   - CXT BUILDINGS, MODEL = SCHWEITZER UTILITY, LARGE
   OR
   - SMITH-MIDLAND, MODEL "EASI SET"
3. REQUIREMENTS FOR ALTERNATE MFR'S DESIGN:

   ARCHITECTURAL ITEMS TO INCLUDE THE FOLLOWING:

A. 1. AESTHETICS COMPRABLE TO THE B.O.D. PRODUCT AND APPROVED BY THE A.O.R.
A. 2. CUSTOM COLOR PAINTED FINISHES PER EXTERIOR FINISH SCHEDULE SHOWN ON THIS DRAWING.
A. 3. DOOR AND FRAME SHALL BE FIBERGLASS.

   INTERIORS ITEMS TO INCLUDE THE FOLLOWING:

I. 1. INTERIOR FINISHES VARY BY MANUFACTURER. ALTERNATIVE FINISHES WILL BE CONSIDERED ON A CASE BY CASE BASIS FOR APPROVED EQUAL STATUS. FINAL COLOR SELECTIONS FOR ALL FINISHES TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.
I. 2. STORAGE BUILDING FLOORS: 1-PART WATER BASED EPOXY WITH A SILICA SAND SUSPENSION TO PROVIDE UNIFORM TEXTURE
I. 3. STORAGE BUILDING WALLS: MODIFIED ACRYLIC PENETRATING PIGMENT.

   ELECTRICAL ITEM TO INCLUDE THE FOLLOWING:

E. 1. ALL ELECTRICAL INSTALLATIONS SHALL CONFORM TO NFPA 70, THE NATION ELECTRICAL CODE.
E. 2. PROVIDE A 120/240V, 100A, 3-WIRE ELECTRICAL PANEL. SEE SPECIFICATIONS SECTION 262416 "PANELBOARDS".
E. 3. PROVIDE LIGHTING FIXTURES FOR ALL ROOMS WITH A CALCULATED AVERAGE LIGHTING LEVEL OF 30 FOOT-CANDLES.
E. 4. PROVIDE BUILDING-MOUNTED EXTERIOR LIGHTING WITH INTEGRAL PHOTOCELL AT ALL BUILDING ENTRANCES.

4. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
5. INSTALL ALL DOORS WITH MINIMUM 18 INCHES CLEAR FROM INSIDE FACE OF LATCH SIDE OF JAMB TO FINISH FACE OF WALL ON PULL SIDE OF DOOR, AND MINIMUM 12" ON OPPOSITE SIDE.
6. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO PROVIDE COMPLETE WORKING SYSTEMS FOR ALL NEW ELEMENTS.
7. ALL CONTRACTORS SHALL PROVIDE NEW, UNDAMAGED MATERIALS UNLESS OTHERWISE SPECIFIED.
8. STORE MATERIALS IN SUCH A MANNER AS NOT TO OVERSTRESS, OVERLOAD, OR OTHERWISE PUT AN UNSAFE LOAD ON ANY STRUCTURE DURING CONSTRUCTION.
9. INSTALL ALL WORK IN ACCORDANCE WITH CURRENT APPLICABLE CODES, PUBLISHED STANDARDS, AND ACCEPTABLE CONSTRUCTION STANDARDS.
10. ALL NEW WORK SHALL BE PLUMB AND LEVEL UNLESS OTHERWISE NOTED.
11. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF
12. EACH CONTRACTOR SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES.
13. DO NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS. IF A REQUIRED DIMENSION IS NOT INDICATED, CONTACT THE ARCHITECT FOR DETERMINATION.
14. DETAILS ARE GENERALLY TYPICAL AND ARE NOT TO BE CONSTRUED AS LIMITED TO THOSE AREAS SPECIFICALLY INDICATED. REVIEW ANY QUESTIONS OR CONFLICTING INFORMATION WITH THE ARCHITECT PRIOR TO INSTALLATION.
15. THE CONTRACTOR SHALL NOT CUT STRUCTURAL MEMBERS/ELEMENTS WITHOUT WRITTEN PERMISSION FROM THE EOR.
16. PAINT ALL STEEL DOORS, DOOR FRAMES, INTERIOR BORROW LITE FRAMES, LINTELS AND OTHER EXPOSED METAL ITEMS UNLESS OTHERWISE NOTED OR SHOWN.
17. STRUCTURAL DESIGN OF THE PREFABRICATED TOILET BUILDING SHALL BE BY APPROVED MANUFACTURER.

Roof General Notes

1. ALL ROOF SURFACES TO SLOPE AT A MINIMUM 3" PER FOOT UNLESS OTHERWISE NOTED OR SHOWN.
2. MANUFACTURER TO COORDINATE ALL ROOF PENETRATIONS WITH MECHANICAL, ELECTRICAL, AND PLUMBING REQUIREMENTS.
3. MANUFACTURER SHALL INSTALL A COMPLETE CODE COMPLIANT AND WARRANTIED ROOFING SYSTEM BASED ON THE SPECIFIED ROOFING MANUFACTURERS WRITTEN INSTRUCTIONS AND INSTALLATION GUIDELINES.
4. ALL FLASHING MATERIAL IS TO BE STAINLESS STEEL UNLESS OTHERWISE NOTED OR SHOWN.
5. ALL ROOF PENETRATIONS TO BE AS PER MANUFACTURER'S RECOMMENDATIONS AND NRCA RECOMMENDATIONS

DRAWINGS ILLUSTRATE BASIS OF DESIGN PRODUCT. SEE GENERAL NOTES FOR REQUIREMENTS TO BE MET IN PROPOSED ALTERNATIVE MANUFACTURER DESIGNS

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	B	2BUCabin C	7815232004	B	2BUCabin H	7815232007
Lower Dorm	7815232010	B	2BUCabin D	7815232005	B	2BUCabin I	7815232008
Gymnasium	7815232011	B	2BUCabin E	7815232006	B	2BUCabin J	7815232009
Game Room	7815232012	B	2BUCabin F	7815232007	B	2BUCabin K	7815232010
Family Cabin	7815232013	B	2BUCabin G	7815232008	B	2BUCabin L	7815232011
RR Building	7815232014	B	2BUCabin H	7815232009	B	2BUCabin M	7815232012

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

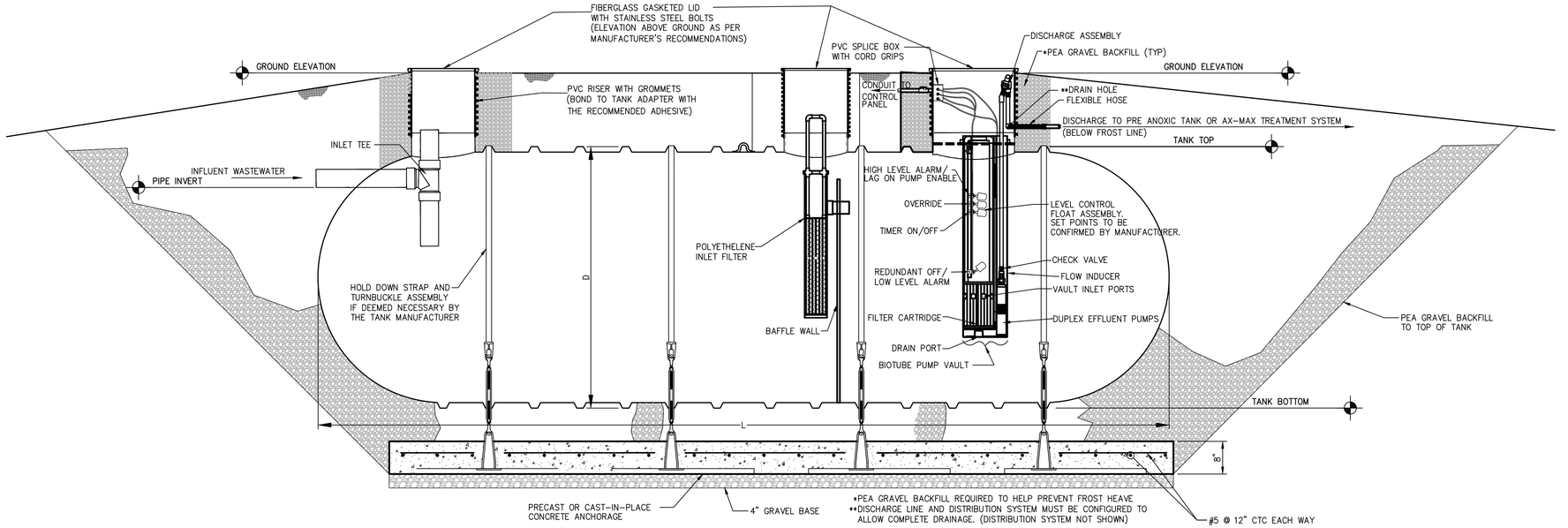
CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

CIVIL DETAILS

SHEET NUMBER:

C-508



Primary Septic Tanks

	Estimated Daily Flow (gpd)	Septic Tank Size (min) (gal)	Septic Tank Design Nominal Volume (gal)	Diameter (ft)	Length (ft)	Invert Diameter (in.)	Estimated Daily Flow (gpm)	Minimum Design Pump Rate (gpm)	Design Pump Flowrate (gpm)	Design Pump TDH (ft)	Pump Quantity	Pump Voltage	Pump Phase	Pump HP	Invert Elevation	Top of Tank Elevation	Bottom of Tank Elevation	Ground Elevation	High Level Alarm Float Elevation	Override Float Elevation	Timer On/Off Float Elevation	Low Level Alarm Float Elevation	Min. Surface Area of Filter between Compartments (sq. ft.)	Min. Flow Area of Filter between Compartments (sq. ft.)	Pump Vault Length (in)	Min. Surface Area of Pump Vault Filter (sq. ft.)	Inlet Hole Height from Bottom of Pump Vault (in)
Lodge	2,675	4,513	5,000	8	17' - 8 1/2"	8	1.86	18.58	18.6	129.2	2	230V	1	0.75	704.50	706	698	708	704.5	704.17	703.5	703	16.05	14.00	84	30	55
Family Cabin	725	1,588	2,000	6	13' - 5 3/4"	6	0.50	5.03	5	116.3	2	230V	1	0.5	712.40	713.9	707.9	716	712.4	712.07	711.4	710.9	4.35	4.00	68	15	46
North Cabins	1,425	2,638	3,000	6	16' - 4 1/4"	8	0.99	9.90	10	18.6	2	230V	1	0.5	778.75	780.25	774.25	782.5	778.75	778.42	777.75	777.25	8.55	4.00	68	20	46

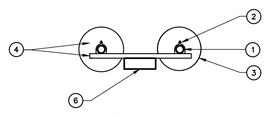
Pre Anoxic Tank *

			Pre Anoxic Tank Volume (gal)	Diameter (ft)	Length (ft)	Invert Diameter (in.)			Design Pump Flowrate (gpm)	Design Pump TDH (ft)	Pump Quantity	Pump Voltage	Pump Phase	Pump HP	Invert Elevation	Top of Tank Elevation	Bottom of Tank Elevation	Ground Elevation	High Level Alarm Float Elevation	Override Float Elevation	Timer On/Off Float Elevation	Low Level Alarm Float Elevation			Discharge Vault Length (in)	Min. Surface Area of Vault Filter (sq. ft.)	Inlet Hole Height from Bottom of Vault (in)
Treatment Facility			10,000	8	31' - 6 1/2"	4			50	32.5	2	230V	1	0.5	786	787.25	779.25	789.4	786	785.67	785.5	784.75			84	30	55

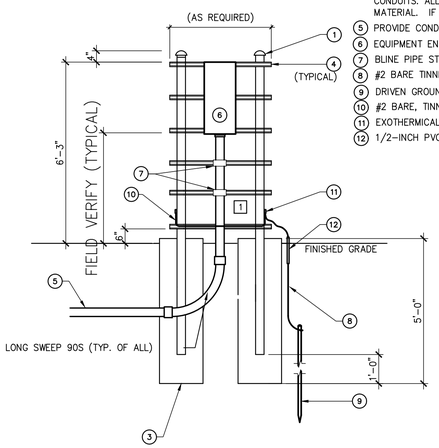
* Single compartment tank, no baffle wall

4 Primary Septic Tank Detail - Pumped Discharge

Scale: N.T.S.



1. 3-INCH NOMINAL GALVANIZED STEEL SCHEDULE 40 CONDUIT SUPPORT POST. TYPICAL OF TWO. CLOSE OPEN ENDS OF ALL POSTS WITH GALVANIZED STEEL CAP.
2. STAINLESS STEEL/CONDUIT CLAMP BLINE B2045SS4, TYPICAL. TIGHTEN BOLTS TO MANUFACTURER'S RECOMMENDED TORQUE VALUES.
3. 18-INCH DIAMETER CONCRETE PIER.
4. SLOTTED-METAL CHANNEL, BLINE B22SS4A, AS REQUIRED TO SUPPORT AND BRACE THE EQUIPMENT AND CONDUITS. ALL SUPPORTS, FITTINGS, AND HARDWARE SHALL BE OF STAINLESS STEEL, CORROSION-RESISTANT MATERIAL. IF SLOTTED-METAL CHANNEL EXCEEDS 4' IN WIDTH A THIRD CONCRETE PIER SHALL BE ADDED.
5. PROVIDE CONDUITS AS DESCRIBED IN THE RESPECTIVE ELECTRICAL SITE PLAN.
6. EQUIPMENT ENCLOSURE (NEMA 3R SS), TYPICAL.
7. BLINE PIPE STRAP AS REQUIRED (MINIMUM 1)
8. #2 BARE TINNED COPPER CABLE EXTERNAL GROUND RING.
9. DRIVEN GROUND ROD GROUNDING ELECTRODE. 3/4" X 10' COPPERWELD.
10. #2 BARE, TINNED, SOLID, COPPER BONDING JUMPER. EXOTHERMICALLY WELD CABLE TO POST
11. EXOTHERMICALLY WELD BONDING JUMPER TO SUPPORT POST.
12. 1/2-INCH PVC SLEEVE TO 12-INCHES BELOW FINISHED GRADE.



KEYED ELECTRICAL NOTES:

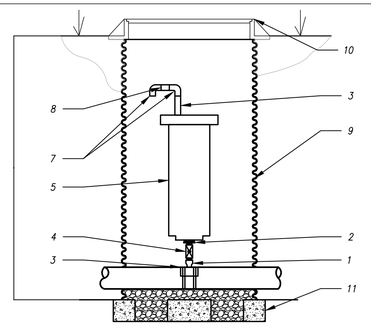
[1] ALL STRUTS, NUTS, BOLTS, ANCHORS, MISCELLANEOUS HARDWARE, ETC. SHALL BE STAINLESS STEEL WITHOUT EXCEPTION.

ELECTRICAL NOTE:

CONTRACTOR IS TO INSTALL THE PUMPS AND FLOATS TO THE CONTROL PANEL AS A PART OF THIS CONTRACT. A DIFFERENT CONTRACT WILL SUPPLY POWER TO THE CONTROL PANELS. AFTER THE DIFFERENT CONTRACT HAS POWERED THE PANEL, THE CONTRACTOR IS RESPONSIBLE FOR START-UP OF THE EQUIPMENT.

1 ELECTRICAL CONTROL PANEL DETAIL

Scale: NOT TO SCALE

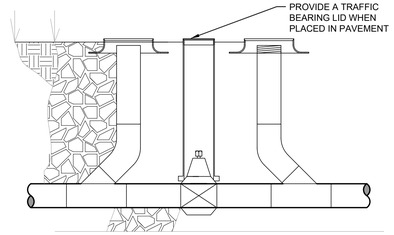


VALVE NOTES:

1. ONE INCH (1") CORPORATION STOP – ONE INCH (1") NPT. SHALL BE OF STAINLESS STEEL OR THERMOPLASTIC CONSTRUCTION.
2. ONE INCH BY TWO INCH (1"X2") NPT NIPPLE.
3. STAINLESS STEEL STRAP SADDLE FOR ONE INCH (1") CORPORATION STOP. SADDLE TO BE SIZED TO FIT MAIN PIPELINE DIAMETER.
4. ONE INCH (1") THERMOPLASTIC BALL VALVE – THREADED BOTH ENDS
5. TWO INCH (2") SEWAGE COMBINATION AIR/VACUUM RELEASE VALVE. DUE TO WEIGHT OF VALVE, PROVIDE ADDITIONAL SUPPORT FOR THE VALVE.
6. ONE INCH (1") PVC PIPE – SIX INCHES (6") LONG.
7. ONE INCH (1") PVC ELBOW.
8. ONE INCH (1") PVC PIPE – TWO INCHES (2") LONG.
9. TWENTY FOUR INCH (24") DIAMETER HDPE CORRUGATED CULVERT PIPE TO DEPTH.
10. STANDARD MANHOLE FRAME AND LID. SEE MANHOLE DRAWINGS
11. SUPPORT CORRUGATED PIPE WITH 4X8X16 CINDERBLOCKS, AS NECESSARY.

3 AIR RELIEF MANHOLE DETAIL

Scale: N.T.S.



SCHEDULE:

1. 45° WYE– PIPE TYPE AND CLASS TO MATCH SEWER LINE.
2. POLYPROPYLENE VALVE CURB STOP WITH FEMALE THREADS AND RATCHETING VALVE HANDLE. ATTACH TO HDPE FORCE MAIN WITH POLYPROPYLENE COMPRESSION FITTING ADAPTORS.
3. 45° SWEEP– PIPE TYPE AND CLASS TO MATCH SEWER LINE.
4. PIPE TO GRADE– EXTEND CLEANOUT TO 2" BELOW GRADE. INSTALL SCREW CAP. PIPE TYPE AND CLASS TO MATCH SEWER LINE.
5. METER COVER– CAST IRON. MCWANE 6150–R, OR EQUAL. MARKED "SEWER".
6. METER BOX– CAST IRON. MCWANE 6150–R–18, OR EQUAL.
7. PIPE BEDDING– PLACE BEDDING MATERIAL OF SAME TYPE AND CLASS AS ROADCUT BEDDING. EXTEND TO GRADE– WHOLE
8. CURB BOXES MADE FROM ABS WITH A CAST IRON LID.

NOTES:

1. WHERE MAINLINE CLEANOUTS ARE CALLED OUT THEY SHOULD BE A DOUBLE CLEANOUT AS PICTURED.
2. CLEANOUTS AT SEPTIC TANKS SHALL BE SINGLE ENDED FROM THE TANK WITHOUT THE VALVE.
3. CLEANOUTS AT FORCEMAIN CONNECTION LOCATIONS SHALL BE SINGLE ENDED AWAY FROM THE CONNECTION WITH A VALVE AT THE CONNECTION.

2 CLEANOUT DETAIL

Scale: N.T.S.

FGI PROJECT NO. 0211627.00

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

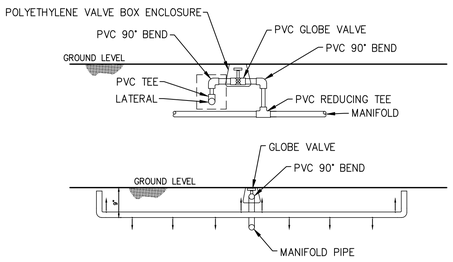
Lodge	78152320001	G	2BUCabin C	78152320004	G
Lower Dorm	78152320010	G	2BUCabin D	78152320005	G
Gymnasium	78152320011	G	2BUCabin E	78152320006	G
Game Room	78152320012	G	2BUCabin F	78152320007	G
Family Cabin	78152320013	G	2BUCabin G	78152320008	G
RR Building	78152320014	G	2BUCabin H	78152320009	G

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: RKH
DESIGNED BY: JSH

SHEET TITLE:
CIVIL DETAILS

SHEET NUMBER:
C-509



3 ABSORPTION FIELD LATERAL CROSS SECTION DETAIL

Scale: Not To Scale

ABSORPTION FIELD - GENERAL NOTES:

1. Contractor is responsible for installing the LPP adsorption field in accordance with 19 CSR 20-3.060.

2. The LPP adsorption system shall be balanced by the contractor such that each zone has a residual head of 3 ft. Refer to the LPP guidance in 19 CSR 20-3.060. Globe valves are provided for balancing purposes. The contractor is responsible for providing water for adsorption field testing and balancing. The system cannot be started up until the control panels are provided with power.

3. Distributing Valve Assembly

Provided as a complete assembly including inlet ball valve, distributing valve with up to 6 outlet ports as indicated on the plans, schedule 80 unions for removal and cleaning, and clear PVC ports for inspection. Provide check valves on the out pipes as indicated on the plans. Valve manufactured of corrosion resistant ABS polymer, stainless steel, and die cast metal.

Distributing valve assembly shall be enclosed in ribbed PVC access riser. The material shall be PVC as per ASTM D-1784 and tested in accordance with AASHTO M304M-89. Risers shall extend to two inches above the ground surface to allow for settlement and shall have a minimum nominal diameter of 21 inches.

One lid shall be furnished with each access riser. Lids shall be fiberglass with green non-skid finish, and provided with stainless steel bolts, and wrench. The riser and lid combination shall be sealed for watertightness and able to support a 2500 lb. wheel load. (Note: This is not to imply that PVC risers are intended for traffic areas.)
Rigid closed-cell foam insulation of 4" thickness shall be mechanically attached to the underside of the lid. All fasteners shall be made of corrosion resistant stainless steel. The insulation shall have an R-value of no less than 10 per 2" increment.

4. Adsorption Area Piping

The manifold piping shall be Sch. 40 rated PVC with size as indicated on the plans. The first and last orifices on each lateral shall be facing upward while all others will face downward to drain between doses. Globe valves for balancing will be located between the manifold and the lateral and on the manifold pipe to each zone. Globe valves should be as specified in Section 221313 and of the same size as the pipe. Provide a polyethylene or superflexon Turfvalve box enclosure (Orenco, MacLean Highland (888-773-2776), or equal) over the globe valves. Caps shall be placed on the end of each lateral and shall be schedule 40 and attached as shown on the plan details. Lateral orifice sizing and spacing and layout shall be as indicated on the plans.

5. Transport Piping / Fittings:

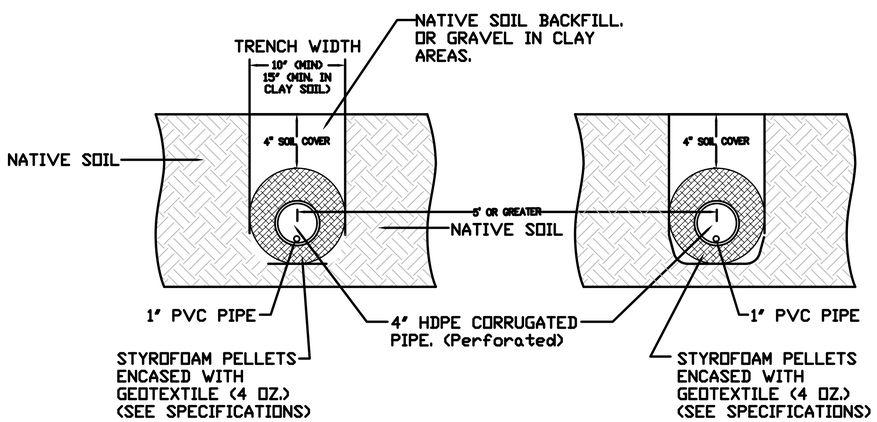
All transport piping and fittings from the dosing tank shall meet a minimum pressure rating of schedule 40. All fittings shall be schedule 40.

6. Adsorption Media:

In lieu of gravel fill of the adsorption trenches, provide a gravelless adsorption system with 4" corrugated and perforated HDPE pipe surrounded by expanded polystyrene aggregate material all enclosed in geosynthetic fabric. Unit should be 10" in diameter and designed for a Low Pressure Pipe Lateral to be installed within.

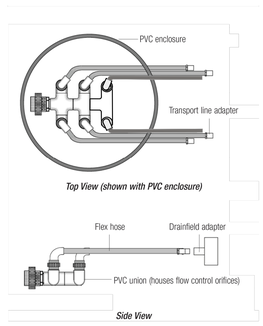
Subsurface Seepage/Adsorption Field

	Estimated Flow (gpd)	Area Required (Acres)	Area Provided (Acres)	Number of Zones	Number of Laterals per Zone	Total Number of Laterals	Length of Each Lateral	Diameter of Lateral (In.)	Lateral Spacing (Ft.)	Number of Orifices per Lateral	Orifice Spacing (Ft.)	Orifice Size (In.)
Area 4	4,825.0	0.55	0.83	12	4	48	152	1	5	24	6.333	0.15625



1 ADSORPTION FIELD DETAIL

Scale: N.T.S.



2 SUBZONE HYDROSPLITTER DETAIL

Scale: N.T.S.

FGI PROJECT NO. 0211627.00

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
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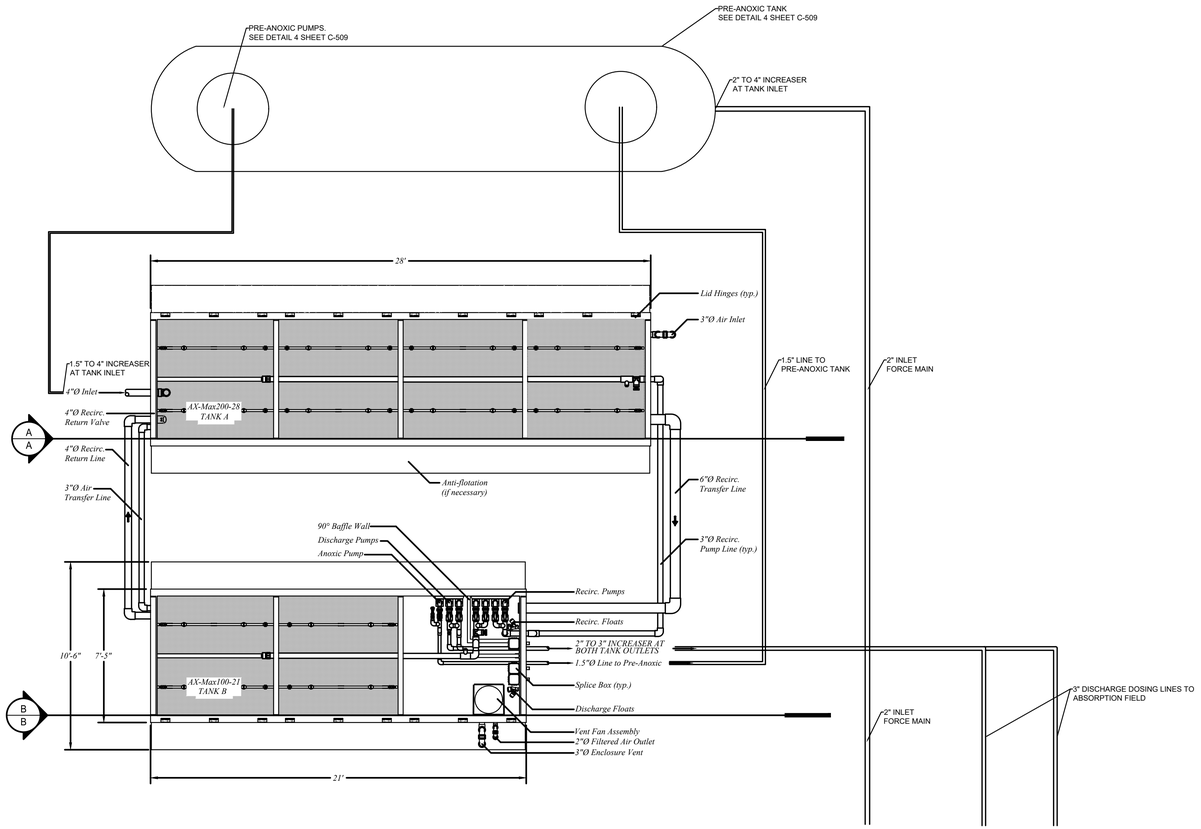
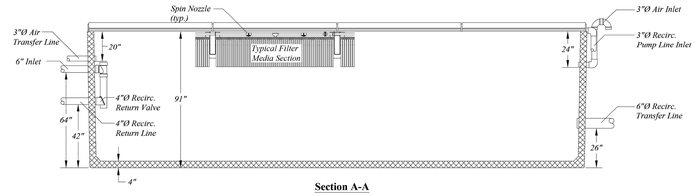
C-510



1 ADVANTEX AX-MAX TREATMENT FACILITY PLAN

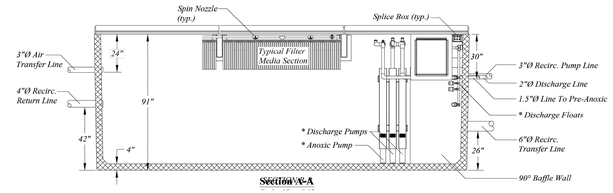
Scale: 1"=4'



Section A-A

3 ADVANTEX AX-MAX TANK A SECTION DETAIL

Scale: N.T.S.



Section B-B

2 ADVANTEX AX-MAX TANK B SECTION DETAIL

Scale: N.T.S.

Treatment Facility								
	Estimated Flow (gpd)	Area Required (Sq. Ft.)	Area Provided (Sq. Ft.)	Length (Ft.)	Width (Ft.)	Depth (Ft.)	Top of Tank Elevation	Ground Elevation
Total	4,825.0	300.00	300.00					
Tank A (AX-Max 200-28)			200	28'	7' -3"	7'-7"	788.5	787.9
Tank B (AX-Max 100-21)			100	21'	7' -3"	7'-7"	788.5	786.3

Treatment Pumps													
	Pump Quantity	Pump Voltage	Pump Phase	Pump HP	Invert Elevation	Top of Tank Elevation	Bottom of Tank Elevation Exterior	Ground Elevation	Bottom of Tank Elevation Interior	High Level Alarm Float Elevation	Override Timer Elevation	Pump On Float Elevation	Pump Off Float Elevation	Redundant Off/Low Level Alarm Float Elevation
Recirculation Pump A	2	230V	1	0.75	780	788.5	780.92	786.3	780.59	785.59	785.25			783.25
Recirculation Pump B	2	230V	1	0.5	780	788.5	780.92	786.3	780.59	785.59	785.25			783.25
Pre Anoxic Return Pump	1	230V	1	0.5	780	788.5	780.92	786.3	780.59	785.42		785.09	784.75	783.92
Discharge Dosing Pump	2	230V	1	1.5	780	788.5	780.92	786.3	780.59	785.42		785.09	784.75	783.92

Subsurface Seepage/Adsorption Field												
	Estimated Flow (gpd)	Area Required (Acres)	Area Provided (Acres)	Number of Zones	Number of Laterals per Zone	Total Number of Laterals	Length of Each Lateral	Diameter of Lateral (In.)	Lateral Spacing (Ft.)	Number of Orifices per Lateral	Orifice Spacing (Ft.)	Orifice Size (In.)
Area 4	4,825.0	0.55	0.83	12	4	48	152	1	5	24	6.333	0.15625

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

KEVIN N. HANNEL
NUMBER PE-2009020818
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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	G	2BRCabin G	7815232004	G
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ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:

CIVIL DETAILS

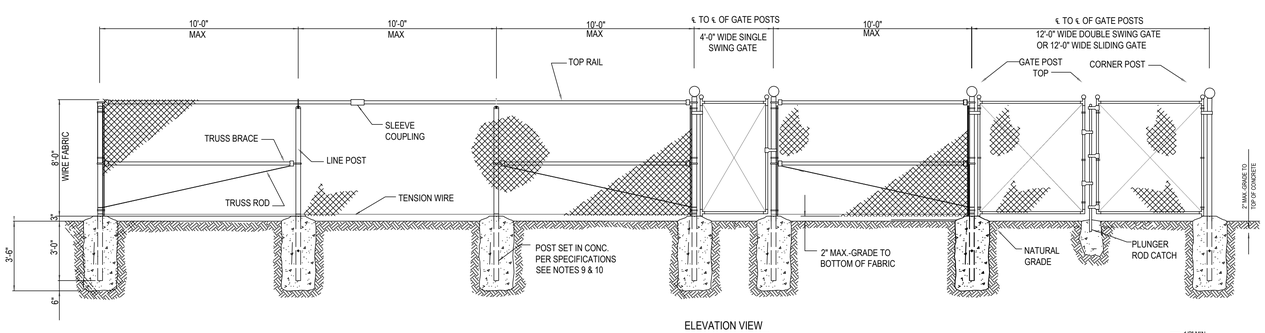
SHEET NUMBER:

C-511

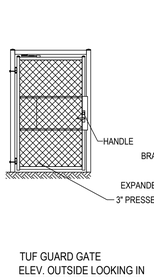
NOTE: INSTALL THE APPROPRIATE SIZED GREEN SLATS AROUND THE ENTIRE CHAIN LINK FENCE.

NOTE: SEE PLAN DRAWING FOR SPECIFIC DIMENSIONS, LOCATION, SIZE OF AREA AND GATE LOCATIONS

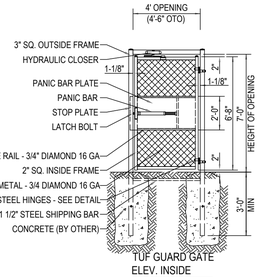
NOTE: COMPANY TO SPECIFY THE FOLLOWING COMPANY TYPE PLAN OF AREA TO BE FENCED LOCATION OF INSTALLATION OR ANY SPECIAL COMBINATION IN CONTRACT WITH FENCING CONTRACTOR



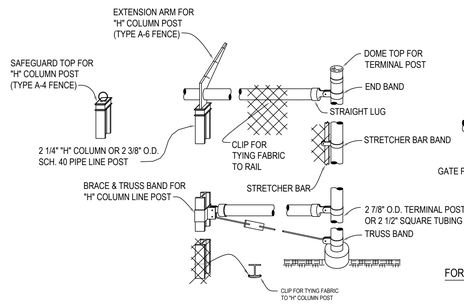
ELEVATION VIEW
SCALE: NTS



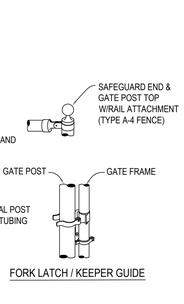
TUF GUARD GATE
ELEV. OUTSIDE LOOKING IN
SCALE: NTS



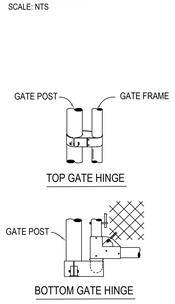
TUF GUARD GATE
ELEV. INSIDE
SCALE: NTS



TOP POST FITTING DETAILS
SCALE: NTS

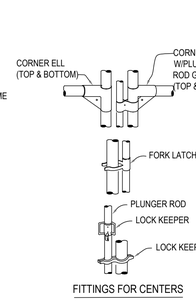


FORK LATCH / KEEPER GUIDE



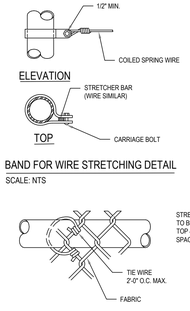
TOP GATE HINGE

BOTTOM GATE HINGE



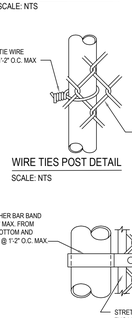
FITTINGS FOR CENTERS

GATE FITTING DETAILS
SCALE: NTS



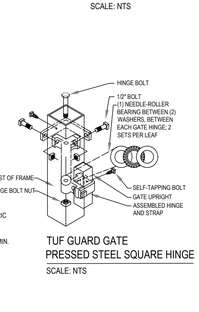
BAND FOR WIRE STRETCHING DETAIL
SCALE: NTS

WIRE TIES TOP OR BRACE RAIL DETAIL
SCALE: NTS

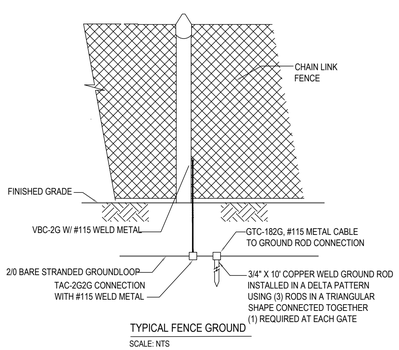


WIRE TIES POST DETAIL
SCALE: NTS

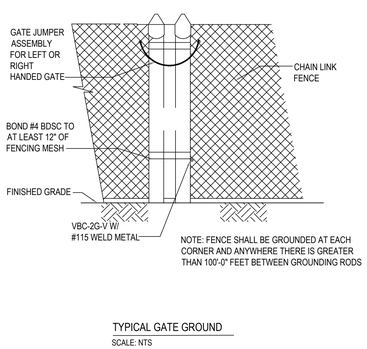
END OR GATE POST DETAIL
SCALE: NTS



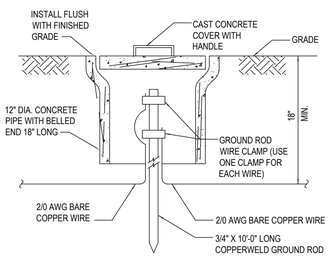
TUF GUARD GATE
PRESSED STEEL SQUARE HINGE
SCALE: NTS



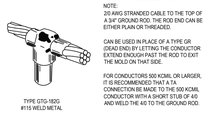
TYPICAL FENCE GROUND
SCALE: NTS



TYPICAL GATE GROUND
SCALE: NTS



TYPICAL GROUND ROD TEST WELL
SCALE: NTS

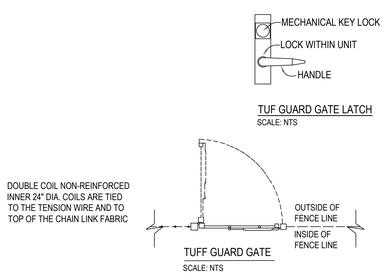


NOTE:
2/0 AWG STRANDED CABLE TO THE TOP OF A 3/4" GROUND ROD. THE ROD END CAN BE EITHER PLAIN OR THREADED.

CAN BE USED IN PLACE OF A TYPE GR (DEAD END) BY LETTING THE CONDUCTOR EXTEND ENOUGH PAST THE ROD TO EXIT THE MOLD ON THAT SIDE.

FOR CONDUCTORS 500 KCMIL OR LARGER, IT IS RECOMMENDED THAT A TA CONNECTION BE MADE TO THE 500 KCMIL CONDUCTOR WITH A SHORT STUB OF #2 AND WELD THE #2 TO THE GROUND ROD.

TYPE GT CONNECTION
SCALE: NTS



TUF GUARD GATE LATCH
SCALE: NTS

DOUBLE COIL NON-REINFORCED INNER 24" DIA. COILS ARE TIED TO THE TENSION WIRE AND TO TOP OF THE CHAIN LINK FABRIC

TUFF GUARD GATE
SCALE: NTS

CHAIN LINK FENCE SPECIFICATIONS

1. INSTALLATION OF FENCE ADDITION SHALL BE PLUMB AND TRUE TO LINE, CHAIN LINK FABRIC SHALL BE TAUT AND PROPERLY SECURED, CORNER BRACES AND DIAGONAL BRACES SHALL BE PROPERLY PLACED TO PREVENT SAGGING. THE COMPLETE INSTALLATION SHALL BE INSTALLED BY SKILLED AND EXPERIENCED FENCE ERECTORS, IN A WORKMANLIKE MANNER, IN ACCORDANCE WITH GOOD CONSTRUCTION PRACTICE AND IN ACCORDANCE WITH ALL LOCAL APPLICABLE CODES.
2. MATERIAL SHALL BE HOT-DIP GALVANIZED FENCE CHAIN LINK FABRIC - THE CHAIN LINK FABRIC SHALL BE IN ACCORDANCE WITH ASTM A392 SPECIFICATIONS AND SHALL BE HOT DIPPED GALVANIZED AFTER WEAVING, HAVING A COATING WEIGHT OF 2 OUNCES OF ZINC PER SQUARE FOOT, MINIMUM, OF UNCOATED WIRE SURFACE (CLASS II). FABRIC SHALL BE 9 GAUGE WIRE WOVEN IN A 2-INCH CHAN LINK DIAMOND MESH. THE FABRIC SHALL BE FASTENED TO THE LINE POST BY MEANS OF NO. 6 GAUGE ALUMINUM WIRE SLIPS SPACED 12 INCHES ON CENTER. IT SHALL BE ATTACHED TO TOP RAIL WITH NO. 9 GAUGE ALUMINUM TIE WIRES SPACED 24 INCHES ON CENTER. FABRIC SHALL BE ATTACHED TO TERMINAL POST BY MEANS OF A 1/4" X 3/4" TENSION BAR WITH HEAVY GAUGE PRESSED STEEL BAND OR CLIPS SPACED AT APPROXIMATELY 14 INCHES ON CENTER
3. BOTTOM TENSION WIRE - NO. 7 GAUGE GALVANIZED COIL SPRING TENSION WIRE WITH CLASS I COATING. WIRE TO BE FASTENED TO CHAIN LINK FABRIC WITH NO. 11 GAUGE HOG RINGS ON 18 INCH CENTERS.
4. POST AND OTHER APPURTENANCES - ALL POST AND OTHER APPURTENANCES SHALL BE HOT-DIP GALVANIZED WITH A MINIMUM ZINC COATING OF 2.0 OUNCES PER SQUARE FOOT OF SURFACE (CLASS II COATING ASTM A-392).
5. LINE POST SHALL BE 2-1/4" "H" COLUMN WEIGHING 4.1 LBS. PER FOOT, MINIMUM CARBON CONTENT .35%, MINIMUM TENSILE STRENGTH 75,000 PSI OR 2-3/8" O.D. SCHEDULE 40 PIPE, OF SUFFICIENT LENGTH TO ALLOW FOR INSTALLATION TO A DEPTH OF 3'-0" BELOW GROUND LEVEL. THE POSTS SHALL BE SPACED IN THE LINE OF FENCE, NO FURTHER.
6. TERMINAL POST AND ALL END, CORNER AND PULL POSTS SHALL BE 2-1/2" X 2-1/2" X .1875" W.T. SQUARE TUBING OR 2- 7/8" O.D. SCHEDULE 40 PIPE.
7. GATE POST SHALL BE OF THE FOLLOWING SIZE FOR SINGLE SWING GATES OR ONE LEAF OF DOUBLE GATE

POST	SIZE	NOM. WT.
UP TO 6' WIDE	2-1/2" SQ. OR 2-7/8" O.D.	SAME AS TERMINAL POST
OVER 6' TO 13'	4" O.D.	9.11 LB/FT

8) EACH POST SHALL BE OF SUFFICIENT LENGTH TO ALLOW FOR INSTALLATION TO A DEPTH OF 3'-0" BELOW GROUND LEVEL.
9) LINE POST AND TERMINAL POST ANCHORAGE SHALL BE ALL POST SHALL BE SET IN CYLINDRICAL CONCRETE FOUNDATIONS WITH TOP OF FINISH CONCRETE SURFACE 3 INCHES ABOVE FINISH GRADE. EXCAVATION SHALL BE 3'-6" DEEP AND NOT LESS THAN TEN INCHES (10") IN DIAMETER FOR ALL LINE POSTS, AND NOT LESS THAN 3.5 TIMES THE DIAMETER FOR TERMINAL AND GATE POST. CONCRETE SHALL MEET ACI-318 SPECIFICATION FOR 3000 PSI-28 DAY STRENGTH CONCRETE.
10) FENCE SHALL HAVE A CONTINUOUS TOP RAIL FOR ITS FULL LENGTH OF STANDARD GALVANIZED PIPE, 1-5/8" O.D.. THE TOP RAIL SHALL PASS THROUGH OPENINGS PROVIDED FOR THAT PURPOSE IN THE POST TOPS AND EACH LENGTH SHALL BE COUPLED WITH A SLEEVE COUPLING, WITH EXPANSION COUPLING EVERY FIFTH JOINT.
11) TRUSS BRACES SHALL BE STANDARD GALVANIZED 1-5/8" O.D. PIPE 2.71 LB./FT., WITH A 3/8" O.D. TRUSS ROD AND TURNBUCKLE ATTACHMENT SHALL BE INSTALLED BETWEEN EACH END OR GATE POST AND THE ADJACENT LINE POST. TWO TRUSS BRACES SHALL BE FURNISHED ON CORNER OR PULL POSTS.
12) FITTINGS USED IN THE COMPLETE FENCE ASSEMBLY SHALL BE OF MALLEABLE, CAST IRON OR PRESSED STEEL AND SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
13) POST TOPS AND ALL END, CORNER, PULL AND GATE POST SHALL BE EQUIPPED WITH TOPS. TUBULAR POST TOPS TO BE SO DESIGNED AS TO EXCLUDE MOISTURE FROM THE POST. ALL LINE POST TOPS DESIGNED TO HOLD THE TOP RAIL.
14) GATE FRAMES SHALL BE MADE OF 2" X 2" X .110" W.T. SQUARE STEEL TUBING OR 1.9 INCH O.D. SCHEDULE 40, 2.72 LB./FT. STANDARD WEIGHT PIPE, HOT-DIP GALVANIZED, FRAMES TO BE JOINED AT CORNERS TO FORM A RIGID PANEL AND SHALL BE FILLED WITH CHAIN LINK FABRIC OF SAME GAUGE AS USED ON THE FENCE. FABRIC SHALL BE FASTENED IN THE FRAME ON ALL FOUR SIDES BY MEANS OF TENSION BARS AND CLIPS. EACH FRAME TO BE EQUIPPED WITH 3/8" DIAMETER ADJUSTABLE TRUSS ROD, HINGES, POSITIVE TYPE LATCHING DEVICE WITH PROVISIONS FOR PADLOCKING. ALL DRIVE GATES TO BE PROVIDED WITH CENTER PLUNGER ROD, CATCH AND SEMI-AUTOMATIC OUTER CATCHES TO SECURE GATES IN OPEN POSITION.

17) FENCE SECTION
COMPANY TYPE - A-8
FABRIC HEIGHT - 96"
TOTAL FENCE HEIGHT - 10'-0"

TUF GUARD GATE:
18) SPECIFICATIONS SHOWN CAN BE CHANGED WITH ENGINEERING APPROVAL.
19) FOOTING WIDTH TO BE (4)X POST WIDTH. VERIFY FOOTING DEPTH AND WIDTH WITH LOCAL CODES AND SITE CONDITIONS.
20) ALL COMPONENTS OF THE TUF GUARD HOT DIPPED GALVANIZED, EXCEPT FOR THE HANDLE WITH ELECTRONIC LOCK, PANIC BAR, AND CLOSER.
21) OUTSIDE LOOKING IN, GATE WILL LATCH ON LEFT AND OPEN OUTSIDE OF FENCE LINE.

1 SECURITY FENCE AND ACCESS GATE DETAIL
Scale: N.T.S.

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	G	2BiCabin C	7815232004	G
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REVISION:
DATE:
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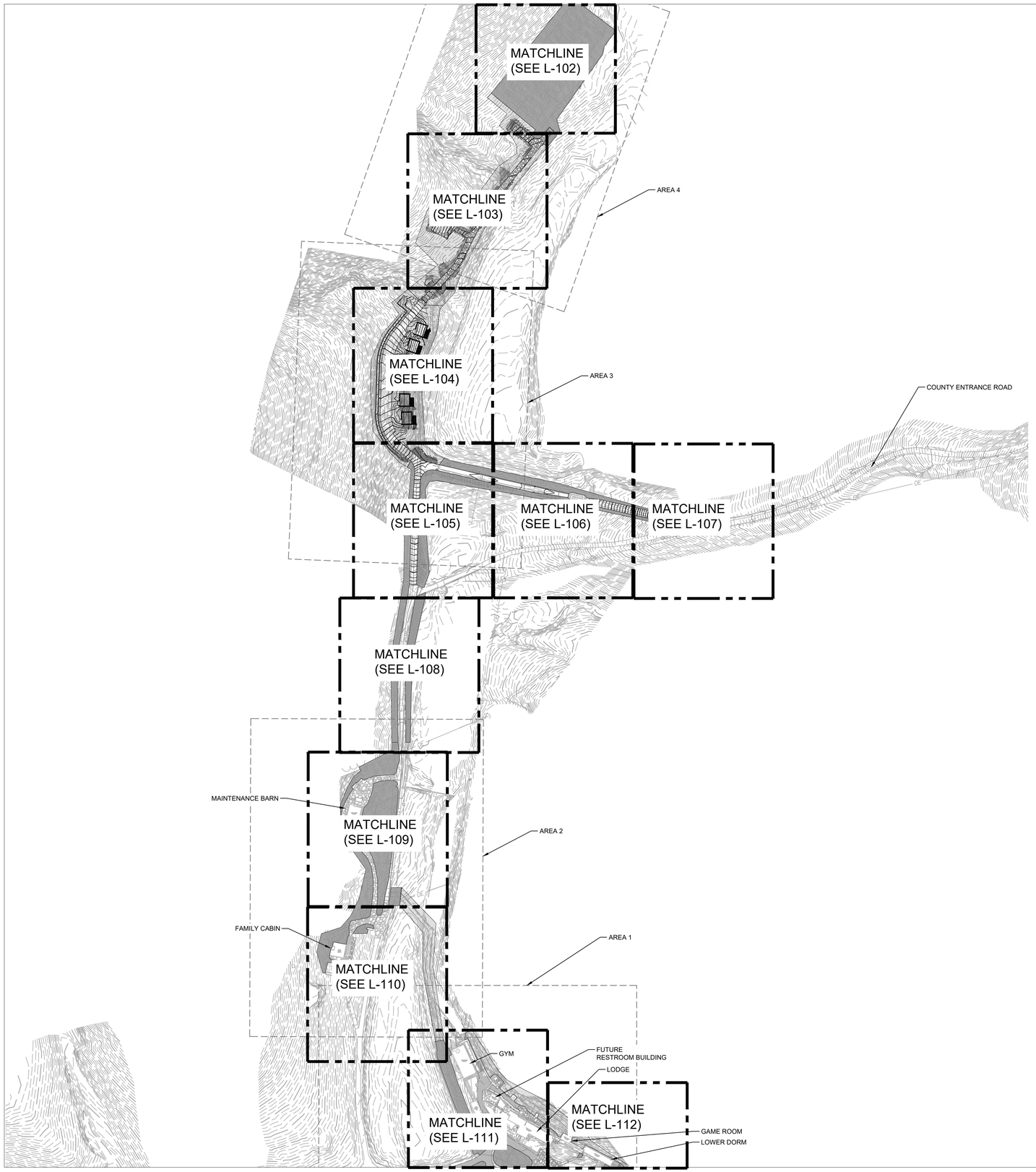
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
CIVIL DETAILS

SHEET NUMBER:
C-512



PLANT SCHEDULE

SYMBOL	CODE	QTY	REMARKS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
GROUND COVERS							
	M2	3,088 sf	3" DEPTH, OVER GEOTEXTILE FABRIC WITH MULCH STABILIZER	MULCH	AGGREGATE	S.F.	
TURF GRASS							
	TUR SE2	132,170 sf	3.03 ac	Turf Seed - Annual Rye Mix		Seed	
	TUR SEE	183,934 sf	4.22 ac	Turf Seed - Tall Fescue Mix		Seed	

SEEDING NOTES:
1. ALL SEEDED AREAS TO BE HYDROSEEDED PER SPECIFICATIONS

2.QUANTITIES PROVIDED FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES

GENERAL NOTES

1. SEE SHEET L-501 FOR GENERAL PLANTING NOTES
2. SEE SHEET L-501 FOR STANDARD LANDSCAPE DETAILS
3. SEE CIVIL SHEETS FOR ALL SITE RELATED ALTERNATES. LANDSCAPE BASE BID SHALL BE TO SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES

0 75 150 300
SCALE: 1"=150'
U.S. SURVEY FEET

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
JACOB L. HECK
NUMBER PLA-2018034567
PROFESSIONAL LANDSCAPE ARCHITECT
11.26.2025
Exp. 12.31.2025

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Salem, Missouri

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DATE:
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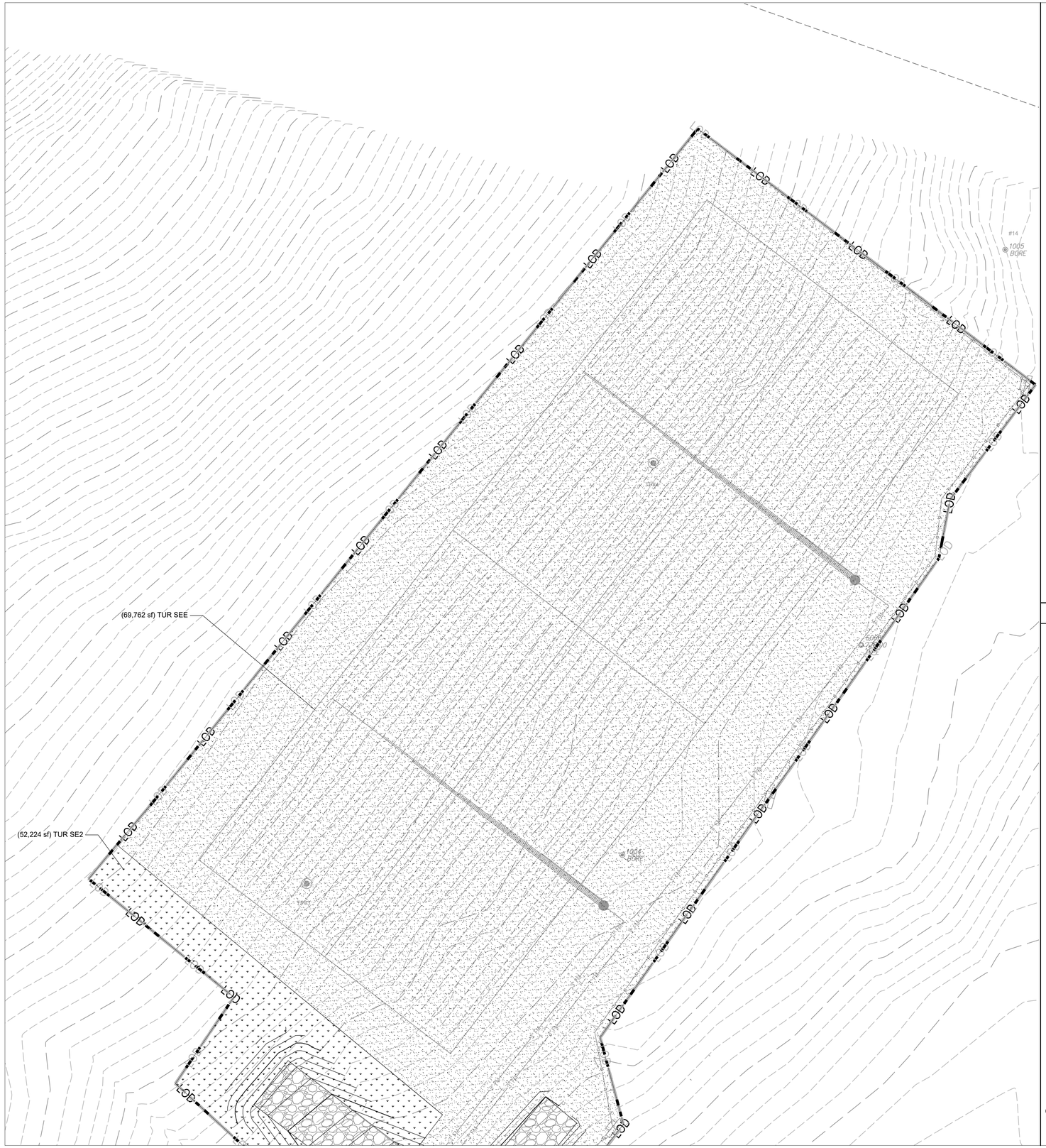
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
OVERALL PLANTING PLAN

SHEET NUMBER:
L-101



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0 10 20 40
SCALE: 1"=20'
U.S. SURVEY FEET

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
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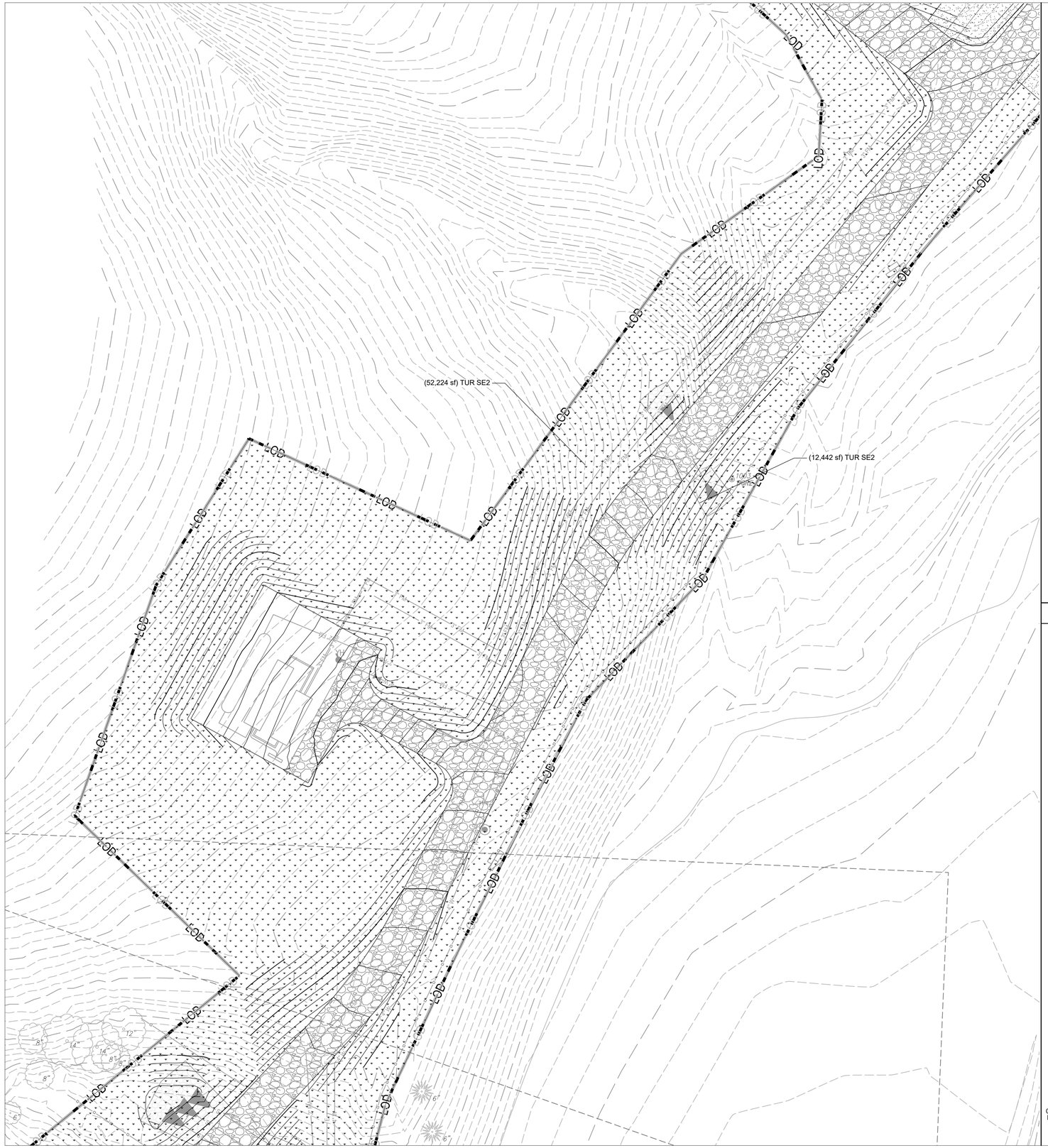
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
PLANTING PLAN

SHEET NUMBER:
L-102



PLANT SCHEDULE

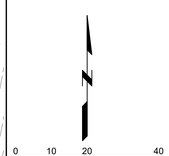
SYMBOL	CODE	QTY	REMARKS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
GROUND COVERS							
	M2	3,088 sf	3" DEPTH, OVER GEOTEXTILE FABRIC WITH MULCH STABILIZER	MULCH	AGGREGATE	S.F.	
TURF GRASS							
	TUR SE2	132,170 sf	3.03 ac	Turf Seed - Annual Rye Mix		Seed	
	TUR SEE	183,934 sf	4.22 ac	Turf Seed - Tall Fescue Mix		Seed	

SEEDING NOTES:
1. ALL SEEDED AREAS TO BE HYDROSEEDED PER SPECIFICATIONS

2.QUANTITIES PROVIDED FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES

GENERAL NOTES

1. SEE SHEET L-501 FOR GENERAL PLANTING NOTES
2. SEE SHEET L-501 FOR STANDARD LANDSCAPE DETAILS
3. SEE CIVIL SHEETS FOR ALL SITE RELATED ALTERNATES. LANDSCAPE BASE BID SHALL BE TO SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES



SCALE: 1"=20'
U.S. SURVEY FEET

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
JACOB H. HECK
NUMBER
PLA-2018034567
PROFESSIONAL LANDSCAPE ARCHITECT
11.26.2025
Exp. 12.31.2025

Farnsworth
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ST LOUIS, MISSOURI 63119
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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☐	2BUCabin C	7815232004	☐
Lower Dorm	7815232010	☐	2BUCabin D	7815232005	☐
Gymnasium	7815232011	☐	2BUCabin E	7815232006	☐
Game Room	7815232012	☐	2BUCabin F	7815232007	☐
Family Cabin	7815232013	☐	2BUCabin G	7815232008	☐
WS Building	7815232014	☐	2BUCabin H	7815232009	☐

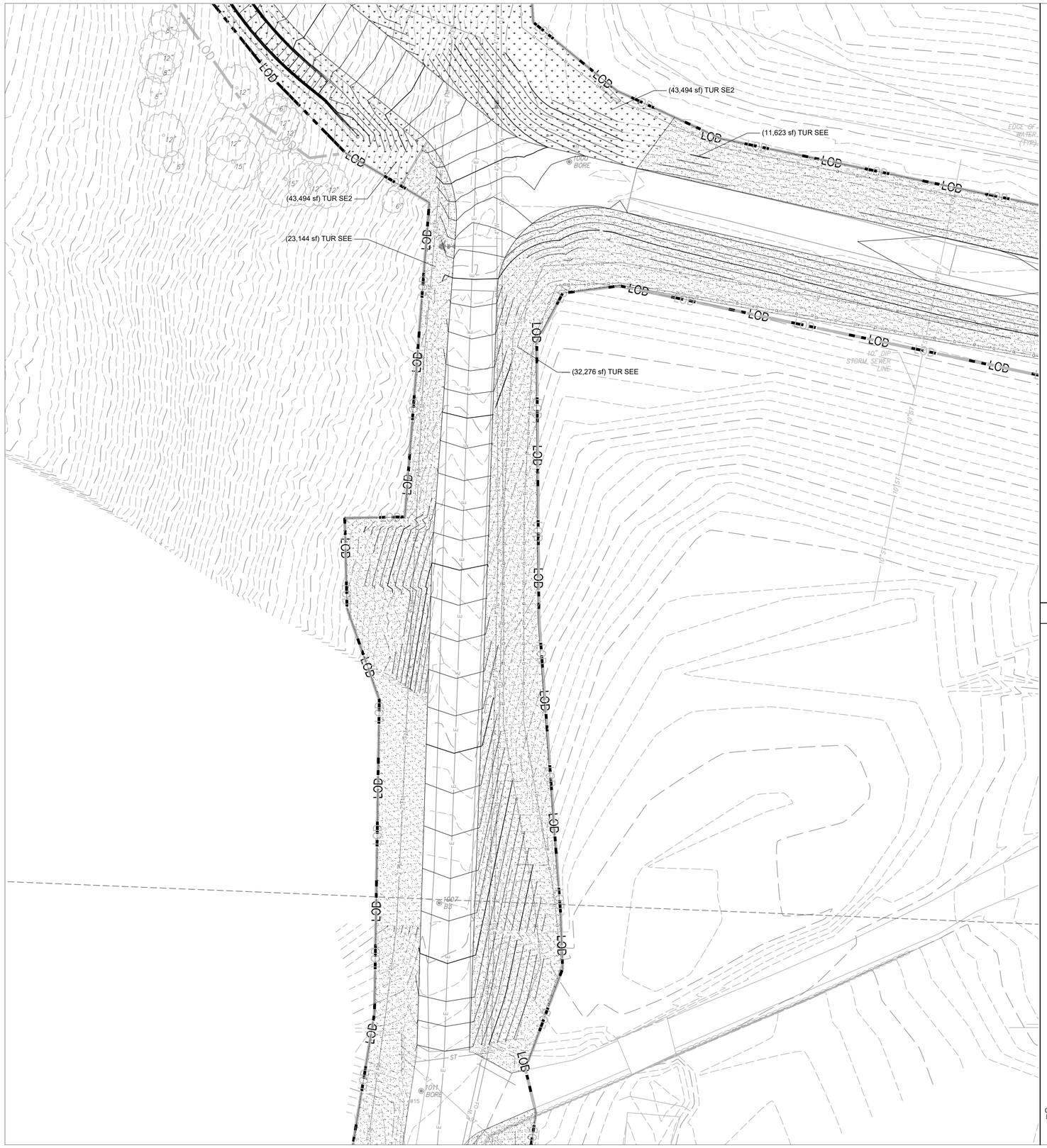
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
PLANTING PLAN

SHEET NUMBER:
L-103


LOD
(43,494 sf) TUR SE2
149 L.F. STEEL EDGING
(SEE DETAIL 1,2/L-501)
10.6'
(515 sf) M2
26'
(43,494 sf) TUR SE2
149 L.F. STEEL EDGING
(SEE DETAIL 1,2/L-501)
10.6'
(515 sf) M2
26'
149 L.F. STEEL EDGING
(SEE DETAIL 1,2/L-501)
10.6'
(515 sf) M2
26'
(43,494 sf) TUR SE2
149 L.F. STEEL EDGING
(SEE DETAIL 1,2/L-501)
10.6'
(515 sf) M2
26'
149 L.F. STEEL EDGING
(SEE DETAIL 1,2/L-501)
10.6'
(513 sf) M2
26'
149 L.F. STEEL EDGING
(SEE DETAIL 1,2/L-501)
10.6'
(515 sf) M2
26'
LOD
LOD
LOD



PLANT SCHEDULE

SYMBOL	CODE	QTY	REMARKS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
GROUND COVERS							
	M2	3,088 sf	3" DEPTH, OVER GEOTEXTILE FABRIC WITH MULCH STABILIZER	MULCH	AGGREGATE	S.F.	
TURF GRASS							
	TUR SE2	132,170 sf	3.03 ac	Turf Seed - Annual Rye Mix		Seed	
	TUR SEE	183,934 sf	4.22 ac	Turf Seed - Tall Fescue Mix		Seed	

SEEDING NOTES:
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2.QUANTITIES PROVIDED FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES

GENERAL NOTES

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3. SEE CIVIL SHEETS FOR ALL SITE RELATED ALTERNATES. LANDSCAPE BASE BID SHALL BE TO SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES

0 10 20 40
SCALE: 1"=20'
U.S. SURVEY FEET

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
JACOB L. HECK
NUMBER PLA-2018034567
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

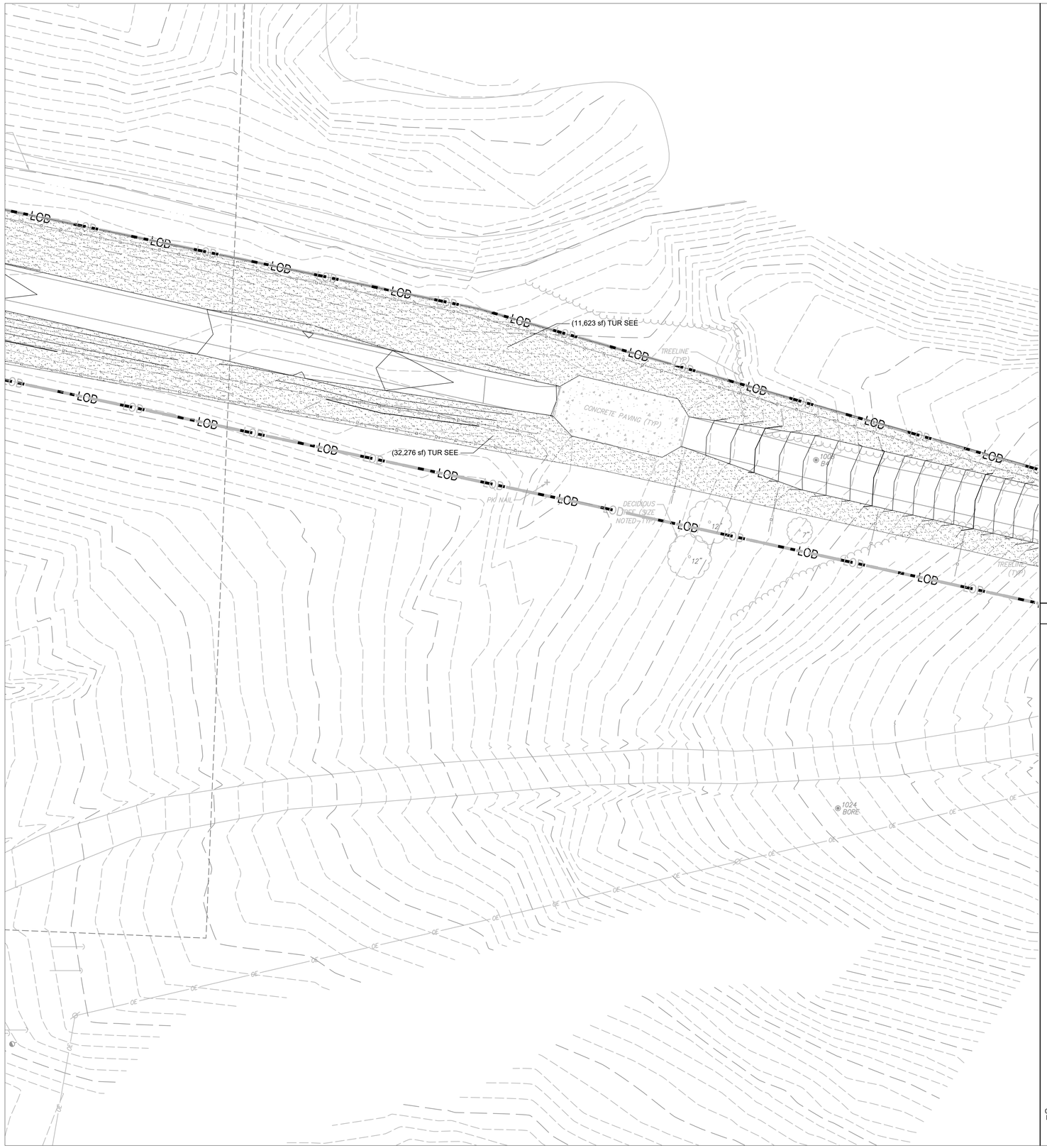
Lodge	7815232001	28/Cabin C	7815232004		
Lower Dorm	7815232010	28/Cabin D	7815232005		
Gymnasium	7815232011	28/Cabin E	7815232006		
Game Room	7815232012	28/Cabin F	7815232007		
Family Cabin	7815232013	28/Cabin G	7815232008		
RR Building	7815232014	28/Cabin H	7815232009		

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
PLANTING PLAN

SHEET NUMBER:
L-105



PLANT SCHEDULE

SYMBOL	CODE	QTY	REMARKS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
GROUND COVERS							
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TURF GRASS							
	TUR SE2	132,170 sf	3.03 ac	Turf Seed - Annual Rye Mix		Seed	
	TUR SEE	183,934 sf	4.22 ac	Turf Seed - Tall Fescue Mix		Seed	

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0 10 20 40
SCALE: 1"=20'
U.S. SURVEY FEET

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
JACOB L. HECK
NUMBER PLA-2018034567
PROFESSIONAL LANDSCAPE ARCHITECT
11.26.2025
Exp. 12.31.2025

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

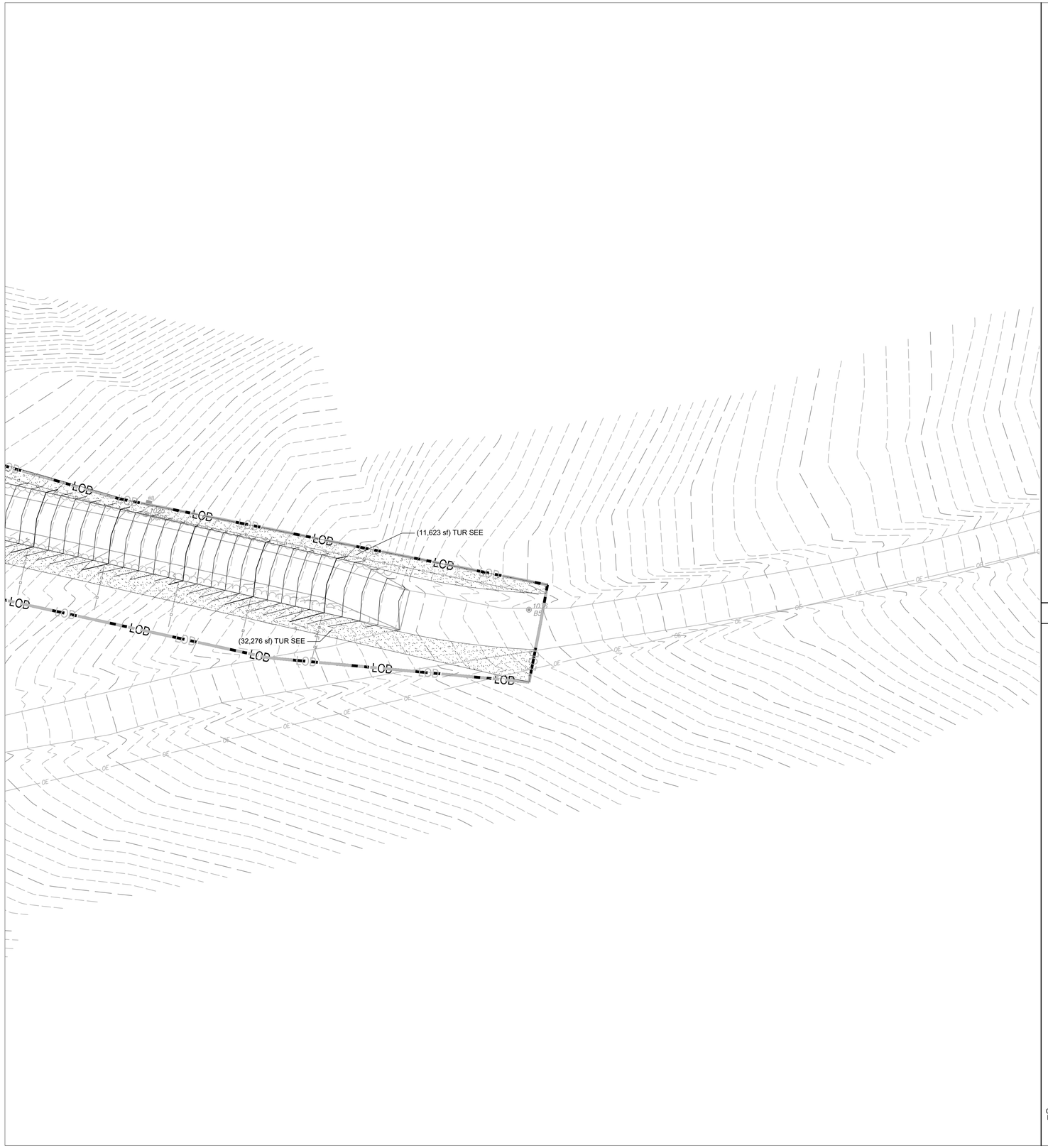
Lodge	7815232001	2BUCabin C	7815232004		
Lower Dorm	7815232010	2BUCabin D	7815232005		
Gymnasium	7815232011	2BUCabin E	7815232006		
Game Room	7815232012	2BUCabin F	7815232007		
Family Cabin	7815232013	2BUCabin G	7815232008		
RR Building	7815232014	2BUCabin H	7815232009		

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
PLANTING PLAN

SHEET NUMBER:
L-106



PLANT SCHEDULE

SYMBOL	CODE	QTY	REMARKS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
GROUND COVERS							
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TURF GRASS							
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N

0 10 20 40

SCALE: 1"=20'
U.S. SURVEY FEET

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
JACOB L. HECK
NUMBER PLA-2018034567
PROFESSIONAL LANDSCAPE ARCHITECT

11.26.2025
Exp. 12.31.2025

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

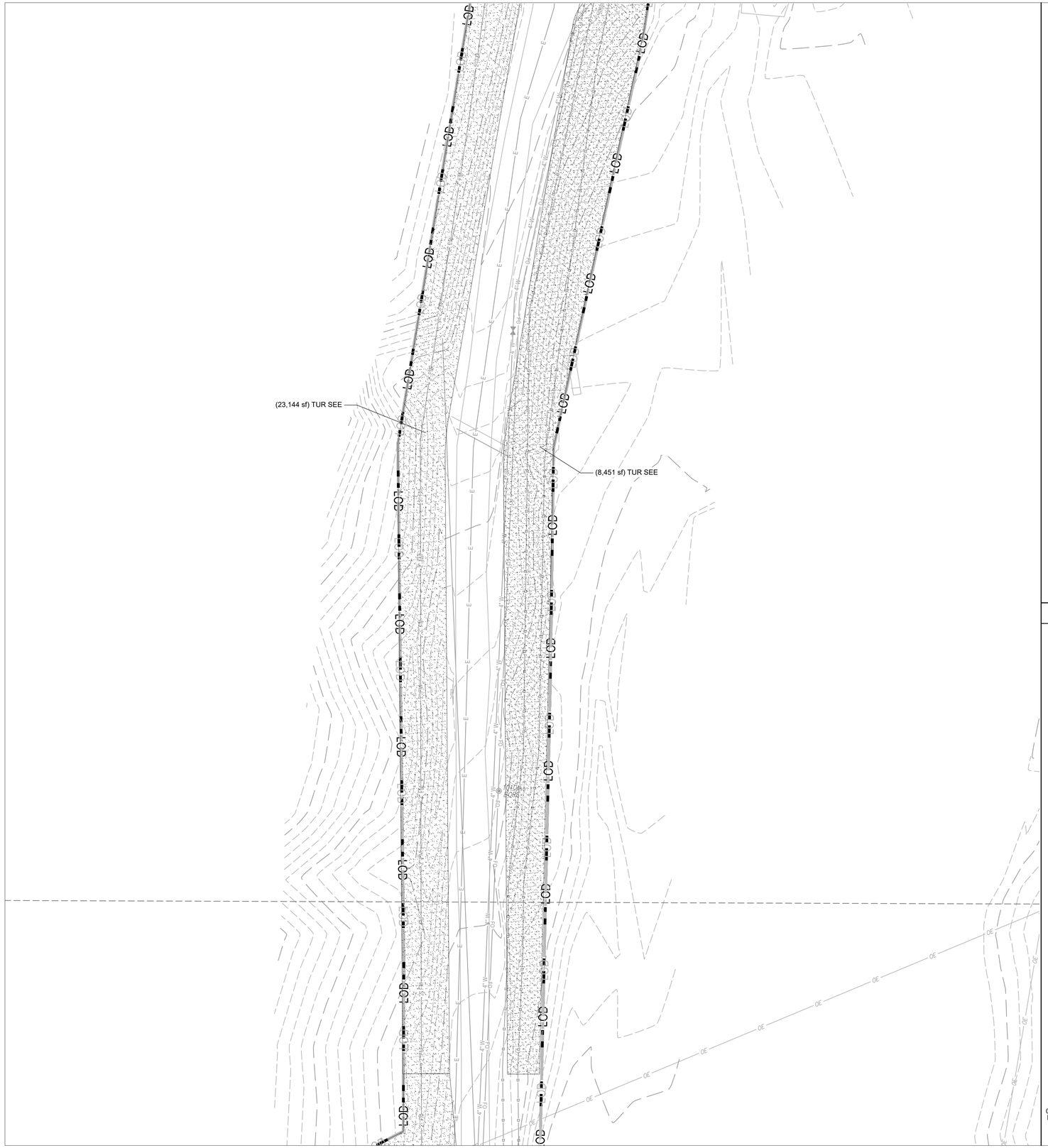
Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
BR Building	7815232014	(2B)Cabin H	7815232009

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
PLANTING PLAN

SHEET NUMBER:
L-107



PLANT SCHEDULE

SYMBOL	CODE	QTY	REMARKS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
GROUND COVERS							
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TURF GRASS							
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N

0 10 20 40
SCALE: 1"=20'
U.S. SURVEY FEET

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
JACOB L. HECK
NUMBER PLA-2018034567
PROFESSIONAL LANDSCAPE ARCHITECT
11.26.2025
Exp. 12.31.2025

Farnsworth GROUP
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

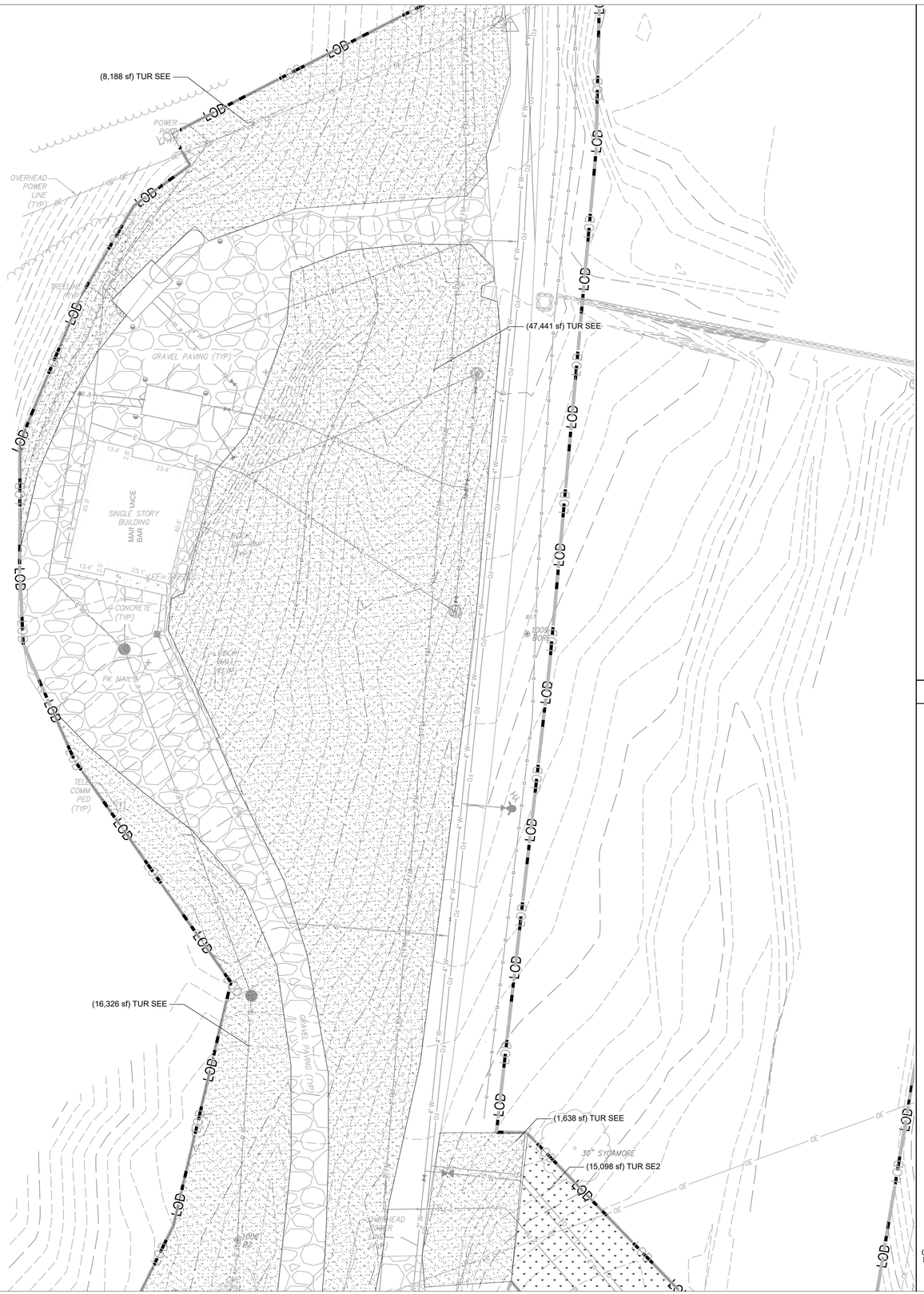
Lodge	7815232001	☐	2BUCabin C	☐	7815232004 ☐
Lower Dorm	7815232010	☐	2BUCabin D	☐	7815232005 ☐
Gymnasium	7815232011	☐	2BUCabin E	☐	7815232006 ☐
Game Room	7815232012	☐	2BUCabin F	☐	7815232007 ☐
Family Cabin	7815232013	☐	2BUCabin G	☐	7815232008 ☐
RR Building	7815232014	☐	2BUCabin H	☐	7815232009 ☐

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
PLANTING PLAN

SHEET NUMBER:
L-108



PLANT SCHEDULE

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FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
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NUMBER PLA-2018034567
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11.26.2025
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	2B/Cabin C	7815232004		
Lower Dorm	7815232010	2B/Cabin D	7815232005		
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Family Cabin	7815232013	2B/Cabin G	7815232008		
RR Building	7815232014	2B/Cabin H	7815232009		

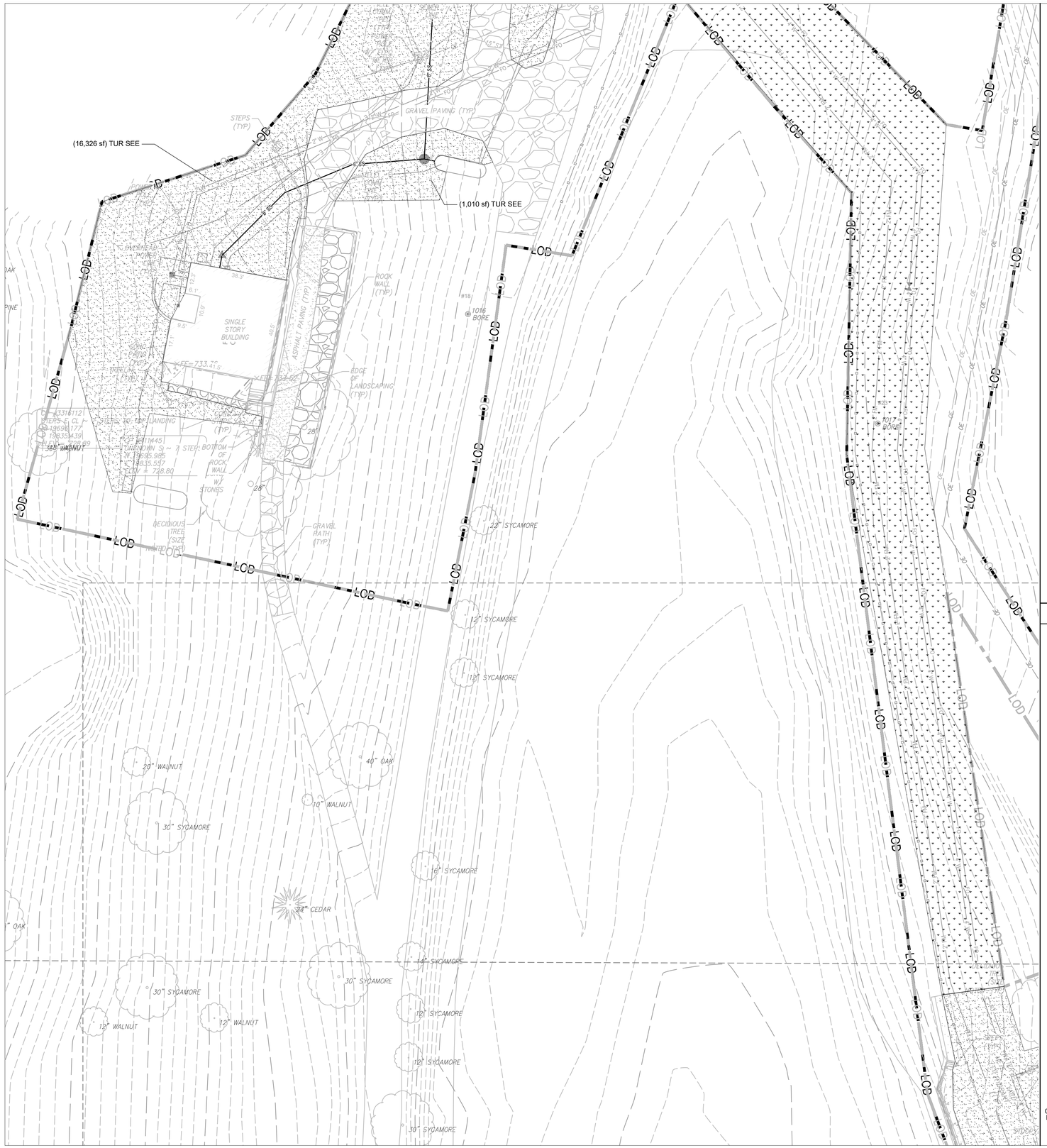
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
PLANTING PLAN

SHEET NUMBER:
L-109

SHEET 93 of 219
ISSUE DATE 11/26/2025



PLANT SCHEDULE

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FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☐	2@Cabin C	7815232004	☐
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RR Building	7815232014	☐	2@Cabin H	7815232009	☐

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
PLANTING PLAN

SHEET NUMBER:
L-110

SHEET 94 of 219
ISSUE DATE 11/26/2025



PLANT SCHEDULE

SYMBOL	CODE	QTY	REMARKS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
GROUND COVERS							
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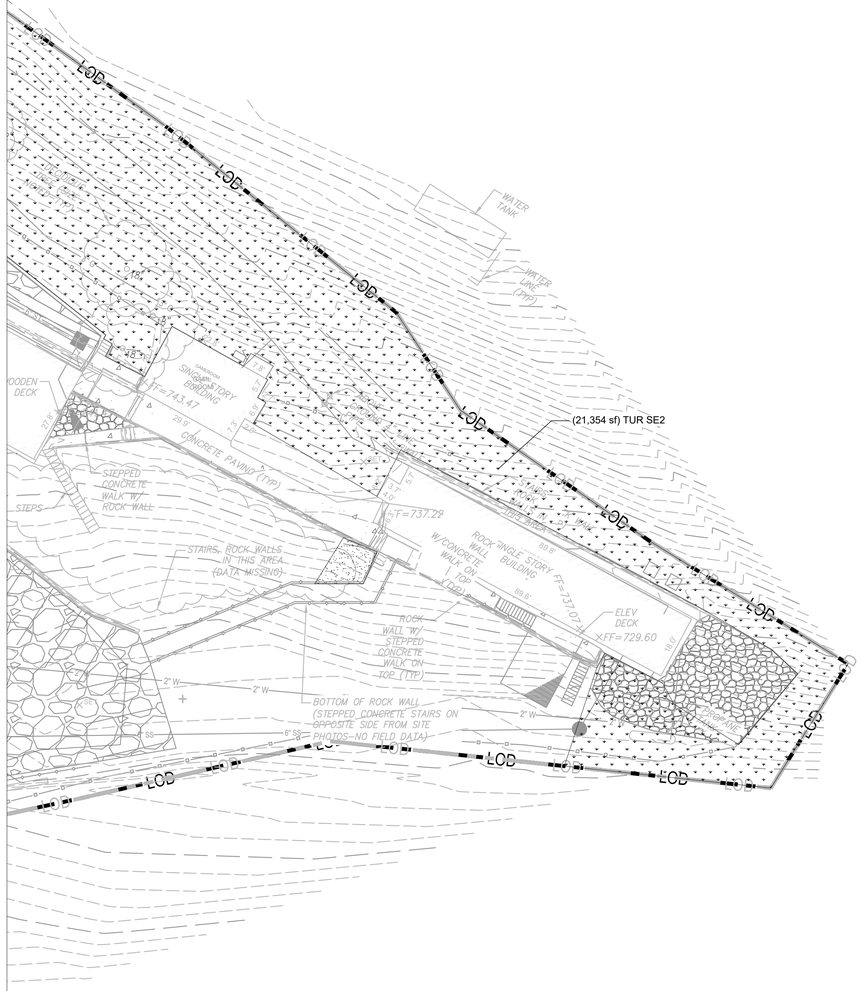
Game Room	7815232012	☐	2BUCabin F	7815232007	☐
Family Cabin	7815232013	☐	2BUCabin G	7815232008	☐
RR Building	7815232014	☐	2BUCabin H	7815232009	☐

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
PLANTING PLAN

SHEET NUMBER:
L-111

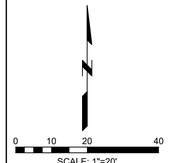


PLANT SCHEDULE

SYMBOL	CODE	QTY	REMARKS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
GROUND COVERS							
	M2	3,088 sf	3" DEPTH, OVER GEOTEXTILE FABRIC WITH MULCH STABILIZER	MULCH	AGGREGATE	S.F.	
TURF GRASS							
	TUR SE2	132,170 sf	3.03 ac	Turf Seed - Annual Rye Mix		Seed	
	TUR SEE	183,934 sf	4.22 ac	Turf Seed - Tall Fescue Mix		Seed	

SEEDING NOTES:
1. ALL SEEDED AREAS TO BE HYDROSEEDED PER SPECIFICATIONS

2.QUANTITIES PROVIDED FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES



SCALE: 1"=20'
U.S. SURVEY FEET

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
JACOB L. HECK
NUMBER PLA-2018034567
PROFESSIONAL LANDSCAPE ARCHITECT

11.26.2025
Exp. 12.31.2025

Farnsworth
GROUP
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ST LOUIS, MISSOURI 63119
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Engineers | Architects | Surveyors | Scientists

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT # - X2207-01
SITE # - 5232
ASSET #

Lodge	7815232001	☐	(2)8/Cabin C	☐	7815232004
Lower Dorm	7815232010	☐	(2)8/Cabin D	☐	7815232005
Gymnasium	7815232011	☐	(2)8/Cabin E	☐	7815232006
Game Room	7815232012	☐	(2)8/Cabin F	☐	7815232007
Family Cabin	7815232013	☐	(2)8/Cabin G	☐	7815232008
RR Building	7815232014	☐	(2)8/Cabin H	☐	7815232009

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CAD DWG FILE:
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
PLANTING PLAN

SHEET NUMBER:
L-112

REFERENCE_NOTES_SCHEDULE

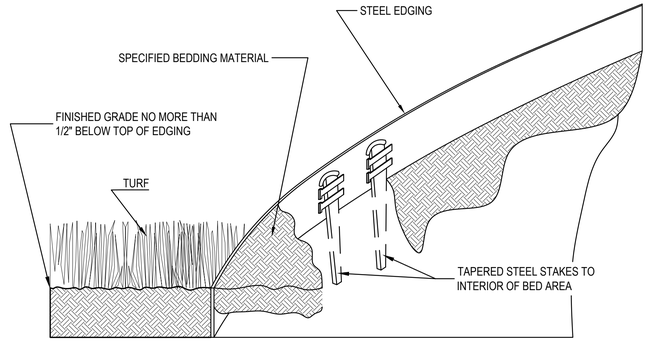
SYMBOL	SITE CONDITIONS DESCRIPTION
01-01-01	(SITE CONDITIONS) THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE SCOPE OF WORK, SOIL, LOCATION OF UTILITIES, AND WATER CONDITIONS BEFORE PROCEEDING WITH THE WORK.
01-01-02	(SITE CONDITIONS) THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL FIELD CONDITIONS TO THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH WORK.

SYMBOL	SITE PREPERATION DESCRIPTION
01-02-01	(PREPARATION) REMOVE ALL EXISTING WEEDS AND GRASSES WITHIN THE PROJECT LIMITS PRIOR TO STARTING TURF GRASS INSTALLATION.
01-02-02	(GRADING) FINISH GRADES IN PLANTING BEDS ARE TO BE SMOOTH AND PROVIDE POSITIVE DRAINAGE PRIOR TO PLANT, SHREDDED HARDWOOD MULCH, AND LAWN INSTALLATION. ALL PLANTING BEDS WITHIN PARKING ISLANDS SHALL BE MOUNDED.
01-02-03	(SITE PREPARATION) REMOVE ANY EXISTING LAWN, STONES LARGER THAN 1.5" IN DIAMETER, AND OTHER MATERIAL HARMFUL TO PLANT GROWTH PRIOR TO FORMING PLANTING BEDS, PROPOSED LAWN AREAS, AND TREE PITS.
01-02-04	(TOPSOIL FOR SEEDED AREAS) INSTALL AND GRADE ALL TOPSOIL AREAS PER THE SPECIFICATIONS PRIOR TO STARTING ANY PLANTING OPERATIONS.

SYMBOL	PLANT MATERIAL DESCRIPTION
01-03-01	(PLANT TAGGING) PLANT MATERIAL TAGGING SCHEDULE* (1) ALL FIELD GROWN AND POTTED MATERIAL TO BE REVIEWED AND TAGGED AT THE NURSERY. (2) REVIEW AND TAG 6 REPRESENTATIVE EXAMPLES AT THE NURSERY. REVIEW ALL OTHERS AT THE PROJECT SITE. (3) REVIEW MATERIAL AT THE PROJECT SITE PRIOR TO INSTALLATION. *SEE SPECIFICATIONS FOR COMPLETE TAGGING PROCEDURES AND INFORMATION.
01-03-02	(SUBSTITUTIONS) PLANT SUBSTITUTIONS WILL NOT BE ACCEPTABLE UNLESS APPROVED BY THE LANDSCAPE ARCHITECT AND THE MISSOURI DEPT. OF NATURAL RESOURCES.
01-03-03	(PLANT QUALITY) ALL PLANTS SHALL BE NORMAL HEALTH, HEIGHT, LEAF DENSITY, AND SPREAD AS DEFINED BY THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1 LATEST AVAILABLE EDITION, OR THE AMERICAN ASSOCIATION OF NURSERYMEN.
01-03-04	(PLANT SIZES) THE SIZES INDICATED IN THE PLANT SCHEDULE ARE THE MINIMUM REQUIRED AT THE TIME OF PLANTING.

SYMBOL	INSTALLATION DESCRIPTION
01-04-01	(DISCREPANCIES) IF THERE ARE DISCREPANCIES BETWEEN PLANT QUANTITIES ON THE PLANS AND THE PLANT SCHEDULE, THEN USE THE QUANTITIES SHOWN ON THE PLANS. ALL QUANTITIES ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO BUILD WHAT IS SHOWN ON THE PLANS.
01-04-02	(LAYOUT/SPACING) THE CONTRACTOR SHALL FIELD STAKE THE FOLLOWING ITEMS AND REVIEW WITH THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION: *SHADE TREES *FLOWERING TREES *EVERGREEN TREES *ALL STEEL EDGING.
01-04-03	(BED FINISHING) SPREAD PRE-EMERGENCE HERBICIDE AND 3 INCHES OF SHREDDED HARDWOOD BARK MULCH IN ALL PLANTING BEDS, EXCEPT PERENNIAL AND ANNUAL BEDS. SPREAD 2 INCHES OF MUSHROOM COMPOST IN ALL PERENNIAL AND ANNUAL BEDS.
01-04-04	(NEW TURF SOD OR SEED) INSTALL SOD OR SEED, PER THE PLANS. REVIEW THE LIMITS OF THE INSTALLATION WITH THE OWNER PRIOR TO STARTING THE WORK.
01-04-05	(LAYOUT/SPACING) PLANT SPACING WILL BE SCALED ON PLAN UNLESS NOTED OTHERWISE.
01-04-06	(PLANTING MIX) MIX AND INSTALL PER SPECIFICATIONS
01-04-07	(DAMAGE) LANDSCAPE CONTRACTOR IS TO PREVENT DAMAGE TO CURBS AND PAVEMENTS ADJACENT TO CONSTRUCTION.
01-04-08	(MULCH RINGS) REFER TO THE PLANTING DETAILS FOR SIZE.

SYMBOL	SPECIFICATIONS & DETAILS DESCRIPTION
01-05-01	(PLANTING DETAILS) ALL DETAILS AND SECTIONS SHOWN ON THE DRAWING ARE INTENDED TO BE TYPICAL AND SHALL BE CONSIDERED TO APPLY TO SIMILAR CONDITIONS.
01-05-02	REFER TO SPECIFICATION 329200 FOR TURF GRASS INFORMATION.



☐ SELECT DESIRED SIZE — BLACK FINISH

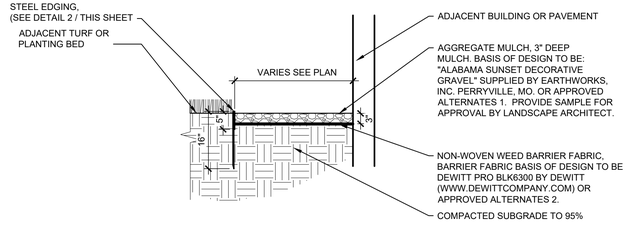
☑ 1/4" X 5" X 16' (.20 - .250" AVERAGE THICKNESS)

NOTES:

1. COLOR TO BE BLACK FINISH
2. CONTRACTOR SHALL SUBMIT INFORMATIONAL CUT SHEET FOR APPROVAL BY LANDSCAPE ARCHITECT

2 STEEL EDGING

SCALE: NOT TO SCALE



NOTES:

1. CONTRACTOR SHALL APPLY WATER BASED MULCH ADHESIVE TO ALL AGGREGATE MULCH AREAS. BASIS OF DESIGN TO BE: ENDURANT MULCH CRETE AS SUPPLIED BY SITEONE LANDSCAPE SUPPLY, EUREKA, MO (636)-938-1101 OR APPROVED ALTERNATES 3. APPLICATION RATE AND METHOD PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL SUBMIT PRODUCT DATA SHEET FOR APPROVAL BY LANDSCAPE ARCHITECT.

APPROVED ALTERNATES:

1. -AGGREGATE MULCH: "OKLAHOMA AZTEC 3/4" & 1 1/2"" SUPPLIED BY MCMULLEN LANDSCAPE CENTER, SPRINGFIELD, MO. OR "IOWA RAINBOW ROCK 3/4"" SUPPLIED BY SITEONE LANDSCAPE SUPPLY, EUREKA, MO (636)-938-1101
2. -BARRIER FABRIC: DURAWEB LANDSCAPE FABRIC SUPPLIED BY GARDEN PRODUCTS (WWW.GARDENPRODUCTS.COM) OR SRW NW4 4OZ. NON-WOVEN NEEDLE PUNCHED GEOTEXTILE FILTER FABRIC AS SUPPLIED BY SITEONE LANDSCAPE SUPPLY, EUREKA, MO (636)-938-1101
3. -MULCH ADHESIVE: MULCH GLUE AS SUPPLIED BY LIQUID RUBBER (WWW.SHOPLIQUIDRUBBER.COM) OR DOMINATOR MULCH ANCHOR AS SUPPLIED BY DOMINATOR (WWW.DOMINATORMULCHANCHOR.COM)

1 STEEL EDGING & AGGREGATE MULCH @ BUILDING

SCALE: NOT TO SCALE

FGI PROJECT NO. 0211627.00

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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REVISION:
DATE:
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DATE:
ISSUE DATE: 06/02/2025

CAD DWG FILE: L-2.0
DRAWN BY: NJT
CHECKED BY: KNH
DESIGNED BY: JSE

SHEET TITLE:
PLANTING DETAILS

SHEET NUMBER:
L-501

GENERAL CONSTRUCTION:

A. ALL DETAILS, SECTIONS, AND PLAN NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO SIMILAR CONDITIONS ELSEWHERE.

B. THESE NOTES SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND THE DRAWINGS. IN THE EVENT OF A CONFLICT, NOTIFY THE ENGINEER FOR CLARIFICATION.

C. THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK; SEE SPECIFICATIONS.

D. REQUESTS FOR INFORMATION SHALL BE SUBMITTED TO THE ENGINEER UNLESS OTHERWISE NOTED.

E. THE CONTRACTOR IS TO ASSUME FULL RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATIONS, FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.

F. THE CONTRACTOR SHALL BE FAMILIARIZED WITH THE SCOPE OF THE WORK AND SOIL AND WATER CONDITIONS BEFORE PROCEEDING WITH THE WORK. SOIL BORING LOCATIONS AND SOIL BORING LOGS ARE INCLUDED IN THE SPECIFICATIONS. SOIL INFORMATION RELEASED IN THE SPECIFICATIONS IS FOR GENERAL INFORMATION ONLY. THE ACTUAL CONDITIONS MAY VARY AT THE SITE.

G. THE CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE STRUCTURAL ENGINEER AND GEOTECHNICAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

H. VERIFY SIZE AND LOCATIONS OF HOLES AND SLEEVES THROUGH CONCRETE WALLS AND SLABS WITH MECHANICAL AND PLUMBING CONTRACTORS.

I. ALL LATERAL LOAD RESISTANCE AND STABILITY OF THE BUILDING IN THE COMPLETED STRUCTURE IS PROVIDED EXCLUSIVELY BY WOOD SHEAR WALLS (SEE PLAN SHEETS FOR LOCATIONS). THESE WALLS PROVIDE ALL LATERAL LOAD RESISTANCE IN EACH ORTHOGONAL BUILDING DIRECTION. THE WOOD ROOF DECK SERVES AS A HORIZONTAL DIAPHRAGM THAT DISTRIBUTES THE LATERAL WIND AND SEISMIC FORCES HORIZONTALLY TO THE SHEAR WALLS. THE SHEAR WALLS CARRY THE APPLIED LATERAL LOADS TO THE BUILDING FOUNDATION.

J. SEE ARCHITECTURAL DRAWINGS FOR;
1. SIZE AND LOCATION OF DOOR, AND WINDOW OPENINGS, EXCEPT AS SHOWN OR NOTED.
2. FLOOR AND ROOF FINISHES, DRAINAGE, AND WATERPROOFING
3. FIREPROOFING REQUIREMENTS INCLUDING FIREPROOFING OF STRUCTURAL STEEL
4. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.

K. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR:
1. PIPE RUNS, SLEEVES, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.
2. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
3. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL, OR PLUMBING FIXTURES.

L. OPENINGS, POCKETS, ETC., LARGER THAN 6" SHALL NOT BE PLACED IN CONCRETE WALLS, UNLESS SPECIALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHER SHOW OPENINGS, POCKETS, ETC., LARGER THAN 6" NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS.

M. FOR PIPES EMBEDDED IN CONCRETE:
1. PIPES LARGER THAN 1-1/2" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY SEOR.
2. NO CONDUITS SHALL BE PLACED IN CONCRETE FILL OVER METAL DECK.
3. PIPES SHALL NOT DISPLACE OR INTERRUPT REINFORCING BARS.
4. DO NOT STACK CONDUITS. SPACE EMBEDDED PIPES/CONDUITS AT A MINIMUM OF 3 DIAMETERS CLEAR FROM OTHER EMBEDDED PIPES/CONDUITS AND REBAR.

N. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. THE CONTRACTOR SHALL DESIGN AND PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.

O. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE DESIGN INTENT FOR THE FINISHED STRUCTURE. THEY DO NOT INDICATE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE CONTRACTOR IS RESPONSIBLE FOR PROVISIONS OF TEMPORARY SHORING AND OTHER CONSTRUCTION AIDS, INCLUDING ALL ENGINEERING OF SUCH SYSTEMS, FOR TEMPORARY SUPPORT OF NEW AND/OR EXISTING STRUCTURAL ELEMENTS AS REQUIRED FOR ERECTION AND OTHER CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION, UNLESS NOTED OTHERWISE. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

P. IN EXISTING BUILDINGS, PRIOR TO REMOVAL OF ANY SECTION OF WALLS, CONTRACTOR TO EVALUATE THE NEED FOR SHORING AND TO DESIGN AND PROVIDE SHORING, WITH SHORING PLANS SUBMITTED TO SEOR FOR REVIEW.

DELEGATED DESIGN:

A. THE FOLLOWING ITEMS SHALL BE TERMED AS DELEGATED DESIGN AND SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN SIGNED AND SEALED DRAWINGS, AND CALCULATIONS AS APPLICABLE, BY OTHERS.
1. WOOD TRUSSES AND CONNECTIONS
2. TIMBER FRAMING AND CONNECTIONS
3. GLULAM TRUSS AND CONNECTIONS
4. BLOCK RETAINING WALLS
5. DEEP FOUNDATIONS

B. THE GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE DELEGATED DESIGN ITEMS AS REQUIRED PER SPECIFICATIONS.

C. ALL DELEGATED DESIGN ITEMS SHALL BE DESIGNED FOR MINIMUM LOADS AND CONDITIONS AS PROVIDED IN THE DESIGN CRITERIA, OTHER PLAN NOTES, DETAILS, OR SPECIFICATIONS.

SHOP DRAWING REVIEW:

A. FARNSWORTH GROUP WILL REVIEW THE GENERAL CONTRACTOR'S SHOP DRAWINGS AND RELATED SUBMITTALS (AS INDICATED BELOW) WITH RESPECT TO THE ABILITY OF THE DETAILED WORK, WHEN COMPLETED, TO BE A PROPERLY FUNCTIONING INTEGRAL ELEMENT OF THE OVERALL STRUCTURAL SYSTEM DESIGNED BY FARNSWORTH GROUP.

B. PRIOR TO SUBMITTAL OF A SHOP DRAWING OR ANY RELATED MATERIAL TO FARNSWORTH GROUP, THE GENERAL CONTRACTOR SHALL:
1. REVIEW EACH SUBMISSION FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATIONS FOR CONSTRUCTION AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
2. REVIEW AND APPROVE EACH SUBMISSION.
3. STAMP EACH SUBMISSION AS APPROVED.

C. FARNSWORTH GROUP SHALL ASSUME THAT NO SUBMISSION COMPRISES A VARIATION UNLESS THE GENERAL CONTRACTOR ADVISES FARNSWORTH GROUP WITH WRITTEN DOCUMENTATION.

D. SHOP DRAWINGS AND RELATED MATERIAL (IF ANY) REQUIRED ARE INDICATED BELOW. SHOULD FARNSWORTH GROUP REQUIRE MORE THAN TEN (10) WORKING DAYS TO PERFORM THE REVIEW, FARNSWORTH GROUP SHALL SO NOTIFY THE GENERAL CONTRACTOR.
1. CONCRETE DESIGN MIXES AND REINFORCING STEEL.
2. MISCELLANEOUS ANCHORS SHOWN ON THE STRUCTURAL DRAWINGS.
3. STRUCTURAL STEEL FRAMING AND CONNECTIONS.
4. WOOD TRUSS LAYOUT
5. SHORING PLANS

E. ONLY TWO REVIEWS PER SHOP DRAWING SHALL BE ALLOWED. ANY SUBSEQUENT REQUIRED REVIEWS OF THE SAME SHOP DRAWING SHALL BE AT THE COST OF THE CONTRACTOR.

DESIGN CRITERIA:

A. THE STRUCTURAL ENGINEERING DESIGN IS BASED ON AND IN ACCORDANCE WITH THE FOLLOWING CODE:

INTERNATIONAL BUILDING CODE - 2021
RISK CATEGORY = II

B. UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, THE STRUCTURAL DESIGN IS BASED ON THE FOLLOWING TYPICAL UNIFORM LOADS:

DEAD LOADS	CABIN ROOF TOP CHORD	=	10	PSF
	CABIN ROOF BOTT CHORD	=	11	PSF
	CABIN EXTERIOR DECK	=	10	PSF
	CABIN FLOOR	=	15	PSF
	CABIN PORCH ROOF	=	21	PSF
	LODGE KITCHEN	=	15	PSF
LIVE LOADS	CABIN ROOF TOP CHORD	=	20	PSF
	CABIN ROOF BOTT CHORD	=	10	PSF
	CABIN EXTERIOR DECK	=	60	PSF
	CABIN FLOOR	=	40	PSF
	CABIN PARTITIONS	=	15	PSF
	CABIN PORCH ROOF	=	20	PSF
	LODGE KITCHEN	=	150	PSF
SNOW LOADS	Pg	=	20	PSF
	Pf (MAIN ROOF)	=	15.4	PSF
	Pf (PORCH)	=	16.8	PSF
	Ce	=	1.0	
	I	=	1.0	
	Ct	=	1.1	
	Ct (PORCHES)	=	1.2	
WIND DESIGN DATA	V (ULT)	=	107	MPH
	V (NOM)	=	82.9	MPH
EXPOSURE CATEGORY		=	C	
	GCpi	=	(+/-) 0.18	

COMPONENTS AND CLADDING ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA (SF)		ULTIMATE WIND PRESSURE (PSF)
1	10	=	+23.8/-72.5
	20	=	+21.5/-72.5
	50	=	+18.3/-44.1
	100	=	+16.0/-22.6
2e	10	=	+23.8/-72.5
	20	=	+21.5/-72.5
	50	=	+18.3/-44.1
	100	=	+16.0/-22.6
2r	10	=	+23.8/-105.8
	20	=	+21.5/-91.5
	50	=	+18.3/-72.5
	100	=	+16.0/-58.2
2n	10	=	+23.8/-105.8
	20	=	+21.5/-91.5
	50	=	+18.3/-72.5
	100	=	+16.0/-58.2
3e	10	=	+23.8/-105.8
	20	=	+21.5/-91.5
	50	=	+18.3/-72.5
	100	=	+16.0/-58.2
3r	10	=	+23.8/-125.8
	20	=	+21.5/-107.8
	50	=	+18.3/-83.9
	100	=	+16.0/-65.9
4	10	=	+39.3/-26.6
	20	=	+37.5/-25.5
	50	=	+35.2/-24.0
	100	=	+33.4/-22.9
	500	=	+29.3/-20.3
5	10	=	+39.3/-32.8
	20	=	+37.5/-30.6
	50	=	+35.2/-27.7
	100	=	+33.4/-25.5
	500	=	+29.3/-20.3

EARTHQUAKE DESIGN DATA

	I	=	1.0
	Ss	=	0.425
	S1	=	0.180
	SITE CLASS	=	C
	SDS	=	0.368
	SD1	=	0.180
SEISMIC DESIGN CATEGORY		=	C
BASIC SEISMIC-FORCE-RESISTING SYSTEM		=	LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS
	R	=	6.5
	Cs	=	0.057
	V	=	0.057W
ANALYSIS PROCEDURE		=	EQUIVALENT LATERAL FORCE ANALYSIS

FOUNDATIONS:

A. GEOTECHNICAL INFORMATION AND FOUNDATION DESIGN IS BASED ON THE FOLLOWING GEOTECHNICAL REPORT(S):
CURRENT RIVER STATE PARK CABINS AND LODGE EVALUATION, SALEM, MISSOURI, DATED APRIL 2023 BY SCI ENGINEERING

B. COPIES OF THE REPORT(S) AND ANY ADDENDUM/SUPPLEMENTAL LETTERS SHALL BE AVAILABLE AT THE JOBSITE AT ALL TIMES.

C. FOOTING DESIGN CRITERIA:

ALLOWABLE BEARING CAPACITY	2,500 PSF ON SOIL 5,000 PSF ON ROCK
FROST DEPTH	30"
COEFF OF FRICTION	0.3 FOR SOIL 0.5 FOR BEDROCK

D. SEE GEOTECHNICAL REPORT, CIVIL, AND EARTHWORK SPECIFICATION FOR SITE SUBGRADE PREPARATION REQUIREMENTS INCLUDING BUT NOT LIMITED TO REMEDIATION OF SOIL 24" BELOW FOOTING BEARING. FOOTING SHALL BEAR A MINIMUM OF 30" BELOW FINISHED GRADE. ADJUST T/FTG ELEVATION AS REQ'D.

E. COMPACTED FILL FOR THE PURPOSE OF UNDERLYING BUILDING OR SITE STRUCTURES SHALL BE PREPARED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT.

F. REFER TO THE PROJECT GEOTECHNICAL REPORT FOR EXTENT AND DEPTH OF OVEREXCAVATION (SUB-EXCAVATION), AND FOR RECOMPACTION AND SOIL CONDITIONING REQUIREMENTS.

G. BOTTOM DEPTHS OF EXCAVATION AS WELL AS ALL PLACEMENT AND COMPACTION OF FILL SHALL BE OBSERVED AND TESTED BY THE PROJECT GEOTECHNICAL ENGINEER.

H. ALL PAD FOOTINGS AND PIERS SHALL BE CENTERED ON BUILDING COLUMN REFERENCE LINES UNLESS INDICATED BY AN OFFSET DIMENSION.

I. ALL WALL FOOTINGS SHALL BE CENTERED ON WALL CENTERLINE UNLESS INDICATED BY AN OFFSET DIMENSION.

J. ALL FOOTINGS SHALL REST ON UNDISTURBED SOIL OR COMPACTED FILL WHICH HAS A MINIMUM ALLOWABLE BEARING CAPACITY EQUAL TO OR GREATER THAN THAT SHOWN ABOVE.

K. ALL FOOTING ELEVATIONS SHOWN ON THE DRAWINGS MEET THE REQUIRED DEPTHS FOR BEARING AND/OR FROST PROTECTION. ACTUAL FIELD CONDITIONS MAY REQUIRE ADDITIONAL EXCAVATION AND/OR COMPACTED FILL.

L. BACKFILL SHALL BE PLACED EVENLY AGAINST EACH SIDE OF SUBGRADE STRUCTURAL ELEMENTS TO PRODUCE APPROXIMATELY EQUAL AND OPPOSITE LATERAL PRESSURES.

M. SUBGRADE STRUCTURAL ELEMENTS SUBJECTED TO DIFFERENTIAL LATERAL SOIL PRESSURE SHALL BE ADEQUATELY BRACED UNTIL THE STRUCTURAL SLABS WHICH PROVIDE LATERAL RESTRAINT HAVE BEEN PLACED AND ALLOWED TO CURE FOR A MINIMUM OF 7 DAYS.

N. BACKFILL SHALL BE A CRUSHED AGGREGATE WITH A GRADATION THAT INCLUDES A MINIMUM 10 PERCENT FINES PASSING THE #200 SIEVE AND MAXIMUM PARTICLE SIZE OF 1 1/2". ACCEPTABLE GRADATIONS INCLUDE CA-6, CA-10 AND PIT RUN SAND.

O. CABIN FOUNDATIONS ARE TO BE CAST ON EXISTING SHALLOW BEDROCK OR WEATHERED ROCK AND BE AT LEAST 30" BELOW FINAL GRADE. PER GEOTECHNICAL REPORT, ROCK IS TO BE OVEREXCAVATED TO A MINIMUM DEPTH OF 1 FOOT BELOW THE FOUNDATIONS AND BACKFILLED WITH CLEAN LIMESTONE.

P. PER GEOTECHNICAL REPORT, WHERE FAT CLAYS ARE ENCOUNTERED, REMEDIATION WILL BE REQUIRED. GEOTECH IS RECOMMENDING THEY BE REMOVED TO A MINIMUM OF 2 FEET BENEATH THE BEARING LEVEL OF THE FOOTINGS.

DEEP FOUNDATIONS:

A. AT CONTRACTOR'S OPTION, SEE NOTES FOR DEEP FOUNDATION OPTIONS ON PLANS AND DETAILS, TO BE DELEGATED DESIGN BY DEEP FOUNDATION ENGINEER.

B. AT NEW 2 BED CABINS, DEEP FOUNDATIONS, REGARDLESS OF TYPE DESIRED, IF USED, MUST BE DESIGNED INCLUDING CONSIDERATION FOR LOCAL AND GLOBAL STABILITY OF THE HILLSIDE.

C. LOCATE ALL UTILITIES PRIOR TO EXCAVATION AND INSTALLATION OF HELICAL PIERS OR MICROPILES.

D. PIERS OR MICROPILES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WITH INSTALLATION OBSERVED BY A REPRESENTATIVE OF THE MANUFACTURER OR A GEOTECHNICAL ENGINEER.

E. LOADS SHOWN ON THE PLAN ARE DESIGN ALLOWABLE LOADS.

F. ALL PIER CONNECTOR AND TOP PLATE BOLTS SHALL BE SNUG TIGHT.

G. ALL MICROPILE CONNECTIONS TO AN EMBEDMENT INTO FOUNDATION ARE AS RECOMMENDED BY THE DELEGATED DESIGN MANUFACTURER.

H. THE RATIO OF REQUIRED ULTIMATE HELICAL PIER CAPACITY TO THE TOTAL AREA OF THE HELICAL BLADES SHALL NOT EXCEED THE ULTIMATE SUBSURFACE BEARING CAPACITY PROVIDED BY THE GEOTECHNICAL ENGINEER.

I. INSTALL ONE NON-PRODUCTIVE TEST PILE FOR PERFORMANCE TESTING OUTSIDE OF THE PROPOSED FOOTING. PERFORM TESTS IN ACCORDINANCE WITH THE MICROPILE OR HELICAL PIER DELEGATED DESIGNER RECOMMENDATIONS. TO BE APPROVED BY THE SEOR.

STRUCTURAL CONCRETE:

A. REINFORCED CONCRETE DESIGNED IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) BY THE AMERICAN CONCRETE INSTITUTE.

B. REINFORCING BAR DETAILING, FABRICATING, AND PLACING SHALL CONFORM TO THE CONCRETE REINFORCING STEEL INSTITUTE'S "REINFORCING BAR DETAILING" AND "PLACING REINFORCING BARS".

C. MINIMUM CONCRETE COMPRESSIVE STRENGTH (F'C) AT 28 DAYS:

FOOTINGS	4000 PSI
FOUNDATION WALLS	4000 PSI
PEDESTALS	4000 PSI
SLAB ON GRADE	4000 PSI

D. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE I/II, UNLESS OTHERWISE NOTED.

E. CONCRETE REINFORCEMENT:
1. DEFORMED BARS - NEW BILLET STEEL COMPLYING WITH ASTM A615 AND HAVING A MINIMUM YIELD STRENGTH OF 60000 PSI.
2. WELDED WIRE FABRIC - SMOOTH WIRE FABRIC COMPLYING WITH ASTM A185

F. CONCRETE PROTECTION FOR REINFORCEMENT: UNLESS OTHERWISE SHOWN THE CLEAR DISTANCE FROM THE FACE OF CONCRETE TO THE REINFORCING STEEL SHALL BE:

CONCRETE POURED AGAINST GROUND (NOTE A)	3"
CONCRETE POURED AGAINST FORMS (NOTE A, B):	
#6 BARS OR LARGER	2"
SMALLER THAN #6 BARS	1 1/2"
SLABS POURED TO FORMS:	
FORMED SURFACE (NOTE B)	3/4"
TROWELED SURFACE (NOTE B)	1"
SCREEDED SURFACE FOR APPLIED TOPPING	3/4"
SLABS POURED ON GRADE:	
FROM BOTTOM SURFACE	2"
TROWELED SURFACE (NOTE B)	1"
SCREEDED SURFACE FOR APPLIED TOPPING	3/4"

(NOTE A) EXCLUDING SLABS POURED ON GRADE.
(NOTE B) INCREASE BY 1/2" IF SURFACE IS TO BE IN PERMANENT CONTACT WITH GROUND OR WATER.

G. UNLESS OTHERWISE SHOWN OR NOTED, SPLICING OF REINFORCING BARS OR WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ACI 318.

H. ARRANGE, SPACE, AND SECURELY TIE BARS AND BAR SUPPORTS TO HOLD REINFORCEMENT IN POSITION DURING CONCRETE PLACEMENT OPERATIONS. SET WIRE TIES SO ENDS ARE DIRECTED INTO CONCRETE.

I. PROVIDE SUPPORT FOR REINFORCEMENT INCLUDING BOLSTERS, CHAIRS, AND SPACERS WITH SAND PLATES FOR SUPPORTING AND FASTENING REINFORCING BARS TO PROVIDE THE CONCRETE COVER INDICATED.

J. ALTERNATE LOCATION OF LAP SPLICE IN WALLS AND SLABS.

K. ALL HORIZONTAL BARS IN WALLS SHALL BE BENT AT CORNERS AND INTERSECTIONS IN SUCH A WAY THAT CONTINUITY IS PROVIDED THROUGH THE JOINT. SEPARATE CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL REINFORCING MAY BE SUBSTITUTED FOR THE BENT PORTION OF THE CONTINUOUS BAR.

L. ALL CONSTRUCTION JOINTS SHOWN ON THE DRAWINGS SHALL BE INCORPORATED IN THE STRUCTURE UNLESS THEIR ELIMINATION IS APPROVED BY THE ENGINEER. ADDITIONAL CONSTRUCTION JOINTS REQUIRED TO FACILITATE CONSTRUCTION SHALL BE LOCATED AND DETAILED ON SHOP DRAWINGS. WHEN CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN ON THE DRAWINGS ARE REQUIRED, THE REINFORCEMENT SHALL PASS CONTINUOUSLY THROUGH THE JOINT AND A KEY SHALL BE PROVIDED FOR ADEQUATE SHEAR TRANSFER.
1. PLACE VERTICAL FOUNDATION WALL CONSTRUCTION JOINTS AT MAXIMUM 50'-0" O.C. SEE TYPICAL DETAIL.
2. DO NOT PLACE FOUNDATION WALL CONSTRUCTION JOINT WITHIN 48" OF BUILDING CORNER.

M. ALL KEYS FOR CONSTRUCTION JOINTS SHALL BE 2" X 4" (NOMINAL) UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS.

N. UNLESS OTHERWISE SHOWN OR NOTED, PROVIDE 2-#5 BARS (1-EACH FACE) AROUND UNFRAMED OPENINGS IN CONCRETE WALLS. PLACE BARS PARALLEL TO SIDES OF OPENING AND EXTEND 24" BEYOND CORNERS.

O. COORDINATE CAMBER OF ADJACENT JOISTS WITH NONCAMBERED CONNECTIONS IN CAST IN PLACE CONCRETE WALLS.

P. SLAB ON GRADE PER PLAN, PROVIDE JOINTS AT 12' OC MAX AND AT MAX ASPECT RATIO OF 1.5:1. SEE 15/S-501.

STEEL:

A. STRUCTURAL STEEL IS DESIGNED IN ACCORDANCE WITH AND SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS," AND THE AISC "STEEL CONSTRUCTION MANUAL".

B. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:

W-SHAPES	A992 OR A572, GRADE 50
PLATE	A36

C. SHOP CONNECTIONS MAY BE WELDED OR HIGH STRENGTH BOLTED AT FABRICATOR'S OPTION, SUBJECT TO ENGINEER'S APPROVAL.

D. ALL BOLTED CONNECTIONS FOR STRUCTURAL STEEL SHALL CONFORM TO AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS".

E. UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER HIGH STRENGTH BOLTS, BEARING TYPE WITH THREADS IN THE SHEAR PLANE, CONFORMING TO ASTM F3125, GRADE A325-N, GROUP A.

F. ALL WELDED CONNECTIONS FOR STRUCTURAL STEEL SHALL CONFORM TO AWS "STRUCTURAL WELDING CODE," D1.1.

G. UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, ALL WELDED CONNECTIONS SHALL BE MADE WITH E70-XX LOW HYDROGEN ELECTRODES.

H. PROVIDE ALL BOLT HOLES, STUDS, ANCHORS, AND CLIP ANGLES REQUIRED TO ATTACH OTHER MATERIALS AS SHOWN ON THE DRAWINGS.

I. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, 36KSI AND SHALL BE PLACED WITHIN THE FOLLOWING TOLERANCES:
TOP OF ANCHOR BOLT ELEVATION +1" TO - 3/8"
OUT OF POSITION OF ANCHOR BOLTS ±1/8"
ELEVATION OF FINISHED CONCRETE SURFACE FOR BEARING ± 1/8"

J. ALL STEEL SHALL HAVE ONE SHOP COAT OF PRIMER, EXCEPT:
1. WHERE PROHIBITED BY THE REQUIREMENTS OF THE "SPECIFICATION FOR STRUCTURAL JOINTS" USING ASTM A325 BOLTS.
2. GALVANIZE ALL EXTERIOR STEEL, STEEL IN EXTERIOR WALLS, AND THEIR CONNECTIONS.
3. WHERE OTHERWISE NOTED ON PLANS AND DETAILS.

WOOD:

A. ENGINEERED TIMBER CONSTRUCTION DESIGNED IN ACCORDANCE WITH THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.

B. WOOD BEAMS, HEADERS, RAFTERS, AND OTHER STRUCTURAL WOOD MEMBERS WHICH ARE 2" TO 4" THICK AND WIDER THAN 8" SHALL BE DOUGLAS FIR LARCH NO.2 AND HAVE THE FOLLOWING MINIMUM PROPERTIES:

Fb (SINGLE MEMBER USE)	900	PSI
Fc (PARALLEL TO GRAIN)	1350	PSI
Fc (PERPENDICULAR TO GRAIN)	625	PSI
Ft	575	PSI
Fv	180	PSI
E	1,600,000	PSI
E'min	580,000	PSI

C. FOR PSL BEAMS:

Fb (SINGLE MEMBER USE)	2900	PSI
Fc (PARALLEL TO GRAIN)	2900	PSI
Fc (PERPENDICULAR TO GRAIN)	750	PSI
Ft	2025	PSI
Fv	290	PSI
E	2,000,000	PSI
E'min	1,016,535	PSI

D. USE PORT ORFORD CEDAR #1 FOR ALL EXPOSED VISIBLE WOOD. ALL WOOD EXPOSED TO THE ELEMENTS, BUT NOT VISIBLE, CAN BE TREATED DFL NO2.

E. TIMBER CONNECTIONS SHALL BE AS SHOWN ON THE DRAWINGS, AND WHEN NOT DETAILED, SHALL CONFORM TO ACCEPTED INDUSTRY AND INTERNATIONAL BUILDING CODE STANDARDS, SUBJECT TO THE ENGINEER'S APPROVAL.

EXPOSED TIMBER FRAMING:

A. HEAVY TIMBER CONSTRUCTION SHALL BE DELEGATED DESIGN SYSTEMS BY THE SUPPLIER INCLUDING BUT NOT LIMITED TO ALL PURLINS, BEAMS, TIMBER/MULTI PLY TRUSSES & THEIR CONNECTIONS. MEMBER SIZES & DETAILS INDICATED ARE CONCEPTUAL. SEE ARCH FOR CONCEPTUAL PROFILES AND DETAILS NOT SHOWN AND FOR FIRE RATING REQUIREMENTS. FINAL AESTHETICS SHALL BE COORDINATED WITH THE ARCHITECT BEFORE FABRICATION. SEE S0.1 FOR DESIGN CRITERIA. TIMBER SYSTEM AND CONNECTIONS SHALL WITHSTAND THE EFFECTS OF GRAVITY AND LATERAL STRUCTURAL DESIGN CRITERIA AS SHOWN ON THE DRAWINGS AND COMPLY WITH ASCE7, AF&PA, NDS, TFEC1, AND TCM.

B. SUBMIT REPRESENTATIVE SAMPLES OF WOOD SPECIES INDICATED, OF THE GRADE AND FINISH SPECIFIED, FOR ARCHITECT'S APPROVAL.

C. WOOD SPECIFICATION INFORMATION:
a. SPECIES SHALL BE PORT ORFORD CEDAR NO 1
b. UNLESS OTHERWISE NOTED, ALL TIMBER SHALL BE PER "STANDARD GRADING RULES FOR WESTERN LUMBER" RECORDS OF GRADE MARKS AND CERTIFICATES INDICATING CONFORMANCE WITH THE SPECIFICATIONS SHALL BE MAINTAINED BY THE CONTRACTOR.
c. MOISTURE CONTENT: 19% MAXIMUM MOISTURE CONTENT AT TIME OF DRESSING

D. FABRICATE BEAM SEATS, HANGERS, STRAP TIES, AND SHEAR PLATES FROM STEEL WITH DIMENSIONS AS REQUIRED FOR STRUCTURE PERFORMANCE. SHEAR PLATES SHALL COMPLY WITH ASTM D 5933.

E. PROVIDE BOLTS, 3/4" DIAMETER MINIMUM OR LARGER AS REQUIRED FOR STRUCTURAL PERFORMANCE, COMPLYING WITH ASTM A 307, GRADE A; PROVIDE NUTS COMPLYING WITH ASTM A 563; AND WHERE REQUIRED FOR STRUCTURAL PERFORMANCE, PROVIDE FLAT WASHERS. BOLTS, WASHERS, AND NUTS SHALL BE ZINC/GALVANIZED.

F. MATERIALS:
1. STRUCTURAL STEEL SHAPES, PLATES, AND FLAT BARS COMPLYING WITH ASTM A 36/A 36M.
2. ALL STRUCTURAL STEEL SHALL BE THOROUGHLY CLEANED AND GIVEN ONE HEAVY SHOP COAT OF AN APPROVED RED LEAD PRIMER (BLACK), WELL WORKED INTO ALL JOINTS AND OPEN SPACES. TOUCH UP AFTER ERECTION.
3. SURFACES WHICH ARE NOT ACCESSIBLE FOR FIELD PAINTING SHALL HAVE ONE SHOP COAT OF BLACK PAINT BEFORE LEAVING THE SHOP.

G. JOINERY SHALL BE DESIGNED FOR STRENGTH, SHRINKAGE, CHECKING, AND TWISTING. ALL WORKMANSHIP SHALL BE OF THE VERY HIGHEST QUALITY. JOINERY SHALL BE ACCURATELY CUT SO AS TO MAKE A NEAT, SNUG FIT.

PREFABRICATED WOOD TRUSSES:

A. METAL PLATE CONNECTED ROOF TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH ANSI/TPI 'NATIONAL DESIGN STNADARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION' TPI HIB COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING, AND BRACING METAL PLATE CONNECTED WOOD TRUSSES", AND TPI DSB "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES."

B. THE CONTRACTOR SHALL PROVIDE CONTINUOUS LATERAL BRACING AS REQUIRED BY THE TRUSS MANUFACTURER'S TRUSS DESIGN DRAWINGS AND BCSI-B3. ALL CONTINUOUS PERMANENT BRACING SHALL BE DIAGONALLY BRACED AT 20'-0" OC MAXIMUM, ONCE MINIMUM.

C. SHOP DRAWINGS SHALL SHOW LOCATION, PITCH, SPAN, CAMBER, CONFIGURATION, AND SPACING FOR EACH TYPE OF TRUSS REQUIRED. INDICATE SIZES, STRESS GRADES, AND SPECIES OF LUMBER.

D. TRUSSES, TRUSS BRACING, AND TRUSS TO TRUSS CONNECTIONS SHALL BE DELEGATED DESIGN. SUBMIT ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED STRUCTURAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION. DELEGATED DESIGN INCLUDES MEMBER SIZES OF TRUSS AS WELL AS PERMNENT BRACING REQUIRED TO PREVENT BUCKLING OF INDIVIDUAL TRUSS MEMBERS DUE TO DESIGN LOADS.

E. MAXIMUM VERTICAL DEFLECTION:
ROOF T

FOUNDATION PLAN NOTES

A. SEE S-001 FOR GENERAL STRUCTURAL NOTES.

B. SEE GENERAL STRUCTURAL NOTES FOR DESIGN SOIL BEARING PRESSURE.

C. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.

D. ALL PAD FOOTINGS TO BE 4'x4'x1'-2" REINFORCED W/ (5) #6 @ 12" O.C. EA WAY, 3" CLEAR FROM B/FTG. AT EXTERIOR PORCH FOOTINGS, REINFORCEMENT TO BE TOP & BOTTOM.

E. SEE 2/S-101 FOR FOOTING DEPTH INFORMATION.

F. SEE SECTIONS FOR T/FOUNDATION WALL ELEVATIONS.

G. SEE 4/S-501 FOR FOUNDATION WALL CONSTRUCTION JOINT.

H. SEE 6/S-501 FOR TYPICAL CORNER AND WALL INTERSECTION REINFORCEMENT.

I. COORDINATE ALL FLOOR SLAB AND FOUNDATION WALL OPENINGS WITH OTHER TRADES. SEE DETAIL 5/S-501 FOR TYP PIPE PENETRATION NEAR THE FOOTING AND 12/S-501 FOR TYPICAL WALL SLEEVE DETAIL.

J. SEE ARCHITECTURE AND PLUMBING FOR WATERPROOFING REQUIREMENTS.

K. ● INDICATES SIMPSON HD HOLDDOWN OR EQUAL (MITEK, AOKLIT) WITH 5000 LB MINIMUM CAPACITY WITH 5/8"Ø SIMPSON SB ANCHOR OR EQUAL (HILTI OR DEWALT) WITH 18" EMBED FROM TOP OF FOUNDATION WALL OR FOOTING. PROVIDE MIN (2)2X STUDS AT HOLDDOWN.

L. SEE 11/S-501 AND 3/S-502 FOR HOLD DOWN DETAIL.

M. ALL EXTERIOR ANCHORS, PLATES, AND CONNECTIONS SHALL BE GALVANIZED.

N. GRADE TO MATCH ON INTERIOR AND EXTERIOR OF FOUNDATION WALLS, SO THAT THERE IS NO UNBALANCED SOIL.

O. GC TO CONSULT WITH THEIR GEOTECH ENGINEER FOR ANY SPECIAL INSTRUCTIONS REGARDING EXCAVATION FOR CABINS.

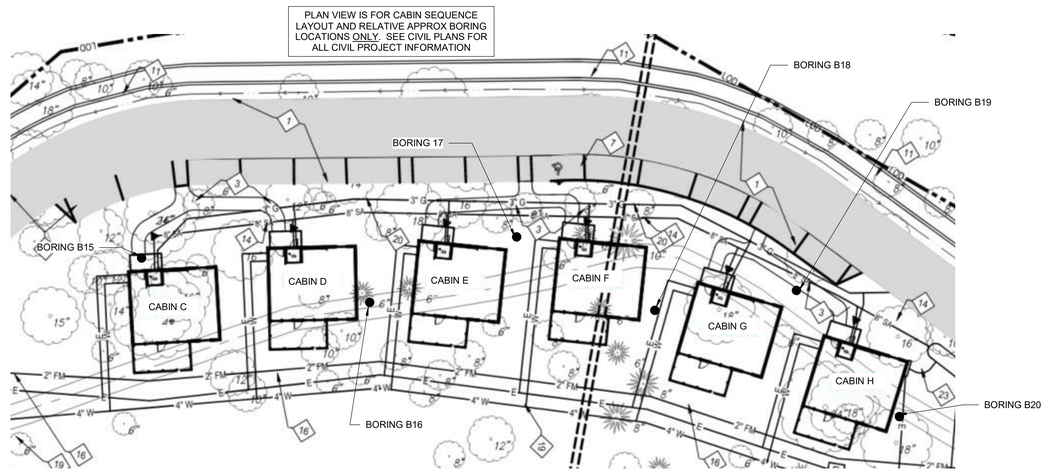
P. REFER TO ARCHITECTURAL DRAWING EXTERIOR ELEVATIONS FOR LOCATION OF THE USE OF FORM LINERS AND COLOR PIGMENTS FOR CONCRETE FOUNDATIONS AND PIERS EXPOSED ABOVE GRADE. EXTERIOR REBAR TO BE 3-1/2" CLR FROM EXTERIOR FACE OF WALL TO ALLOW ADD'L CLEARANCE FOR FORM LINER

Q. AT CONTRACTOR'S OPTION, CAN USE DEEP FOUNDATIONS (DELEGATED DESIGN BY DEEP FOUNDATION ENGINEER), SUCH AS DRILLED PIERS, MICROPILES, OR PUSH PILES, IN LIEU OF CASTING FOOTINGS DIRECTLY AT ROCK LEVEL.
   a. EACH CABIN MUST BEAR ON THE SAME FOUNDATION TYPE ALL THE WAY AROUND.
   b. TYPICAL FOOTING CAN SPAN A MAXIMUM OF 6' BETWEEN DEEP FOUNDATION LOCATIONS. Pd = 4400 PLF, Pl = 690 PLF, SHEAR = 350 PLF, OUT OF PLANE WIND = 480 PLF
   c. DESIGN OF DEEP FOUNDATIONS MUST INCLUDE CONSIDERATION FOR LOCAL AND GLOBAL SLOPE STABILITY OF HILLSIDE.

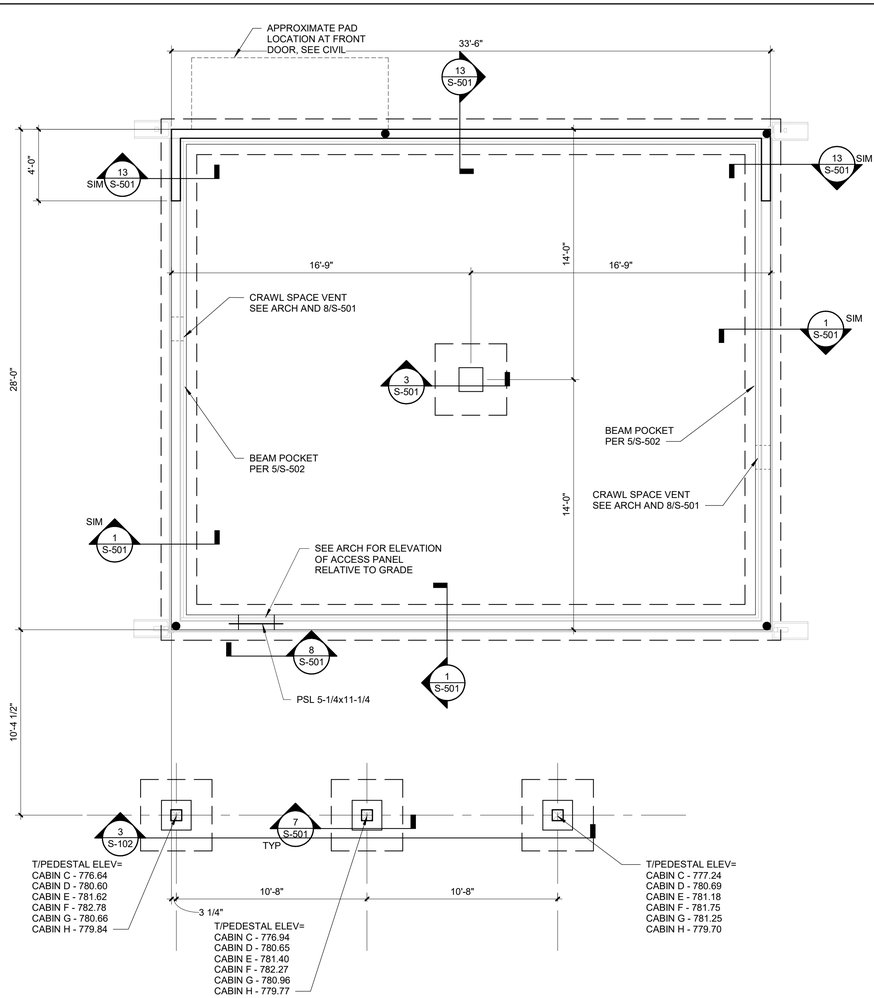
CABIN	BORING ID'S	FIRST FLOOR ELEV.	APPROX. EXISTING GRADES	APPROX. FINAL GRADES	APPROX. ROCK ELEV. AT BORING	ALLOWABLE BEARING PRESSURE	FOOTING DEPTH NOTES
C	B-15	787.08	787	787.08 - 776.14	775	5000 PSF	1. EXTEND B/FTGS TO BEAR ON WEATHERED ROCK, MIN 30" BELOW FINAL GRADE. OVEREXCAVATE ROCK MIN 1' AND BACKFILL WITH CLEAN LIMESTONE. 2. GRADE TO MATCH ON INTERIOR AND EXTERIOR OF FOUNDATION WALLS SO THAT THERE IS NO UNBALANCED SOIL.
D	B-16	789.11	786	789.10 - 780.10	769.5		
E	B-17	791.05	793	791.02 - 780.68	776.5		
F	B-18	792.19	787.5	792.19 - 781.25	767		
G	B-19	786.72	789	786.72 - 780.16	767.5		
H	B-20	783.72	791	783.72 - 779.20	762		

NOTES:
1. INFORMATION PROVIDED IN THIS TABLE IS FOR REFERENCE ONLY. ACTUAL CONDITIONS MAY VARY ON SITE. SEE THE GEOTECHNICAL REPORT INCLUDED IN THE PROJECT SPECIFICATIONS, THE EARTHWORK SPECIFICATION, AND CIVIL FOR REQUIREMENTS REGARDING SUB-GRADE PREPARATION, INCLUDING BUT NOT LIMITED TO, REMOVE OF FILL, AND OVER EXCAVATION AND BACKFILL.
2. SEE CIVIL FOR EXISTING AND FINAL GRADE ELEVATIONS AROUND BUILDING PERIMETERS.
3. SEE SPECS FOR UNIT PRICING INSTRUCTIONS FOR FOUNDATION BEARING ELEVATION.

2 **FOOTING DEPTH TABLE FOR CABINS**



1 **CABIN AND APPROX BORING LAYOUT**



3 **CABIN FOUNDATION PLAN**
SCALE: 1/4" = 1'-0"

0 2 4 8

PLAN NORTH

11/25/2025 3:28:34 PM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI — KEITH — PROFESSIONAL ENGINEER

11/26/2025
Exp:12/31/2026

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

SALEM, MISSOURI

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☒
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☒
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☒
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☒
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☒
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

DRAWN BY: SCS
CHECKED BY: PMH
DESIGNED BY: PND

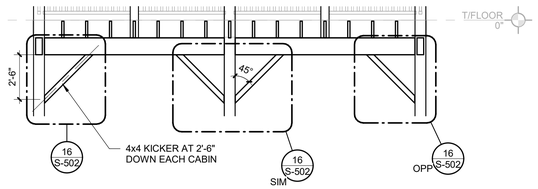
SHEET TITLE:

2 BEDROOM CABIN FOUNDATION PLAN

SHEET NUMBER:

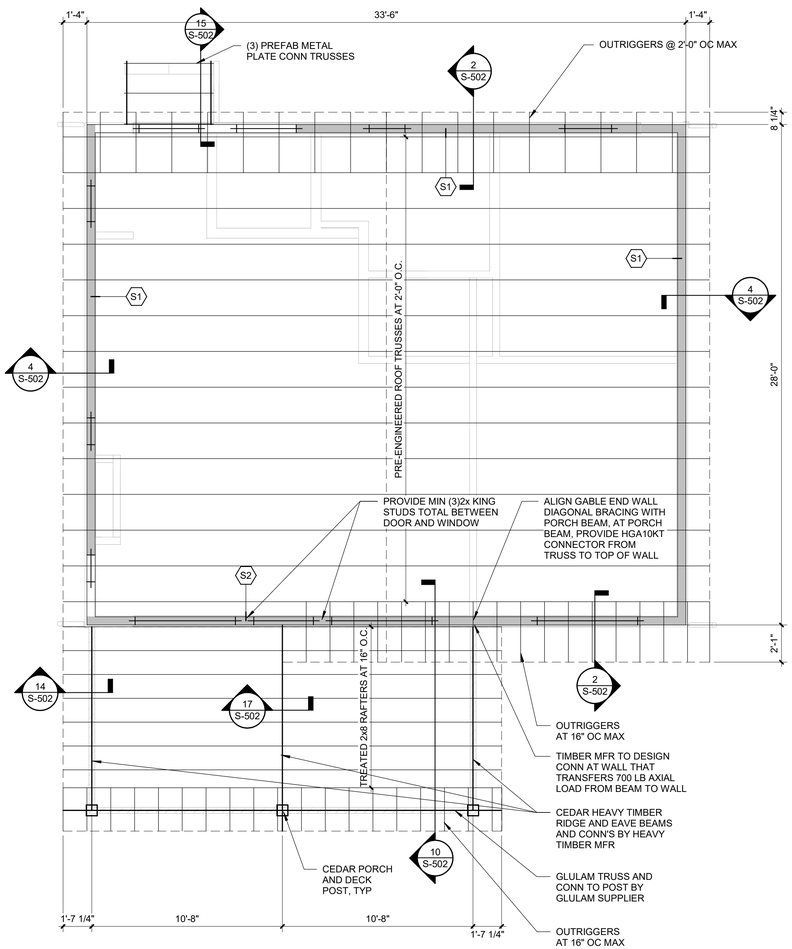
S-101

SHEET 99 of 219
ISSUE DATE 11/26/2025



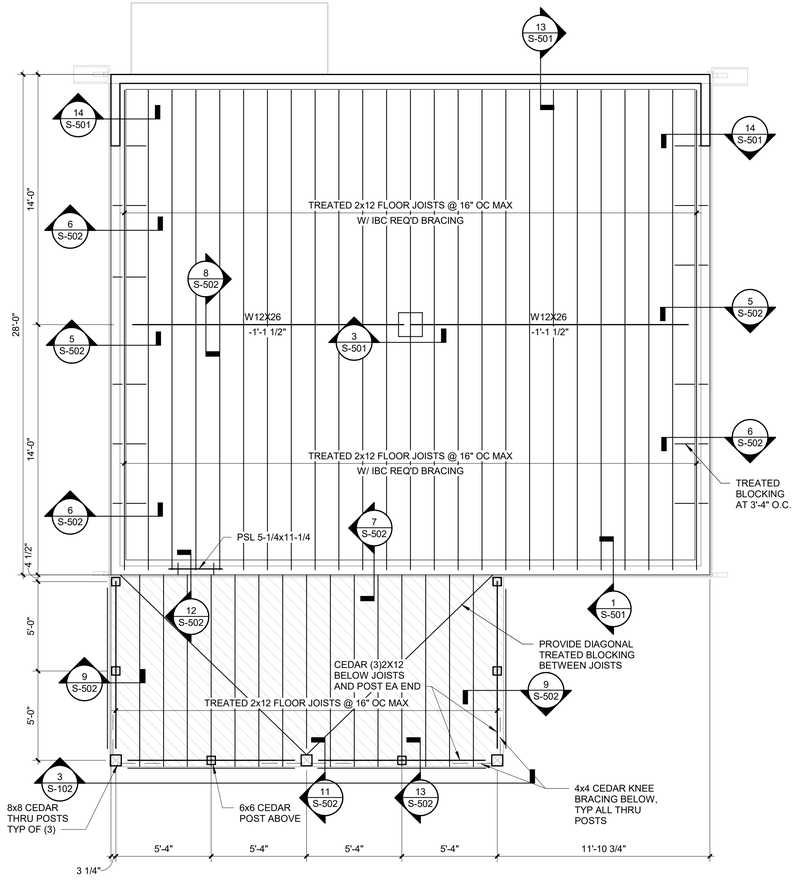
3 KICKER ELEVATION

SCALE: 1/4" = 1'-0"



2 ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"



1 FLOOR FRAMING PLAN

SCALE: 1/4" = 1'-0"

FRAMING PLAN NOTES

A. SEE S-001 FOR GENERAL STRUCTURAL NOTES.

B. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.

C. CABIN ROOF CONSTRUCTION SHALL BE 5/8" APA RATED SHEATHING, UNBLOCKED, FASTENED WITH 10d AT 4" OC WITH 1-1/2" MIN PENETRATION ALONG PANEL EDGES AND 10d AT 12" OC IN THE FIELD.

D. PORCH ROOF CONSTRUCTION SHALL BE 5/8" APA RATED SHEATHING FASTENED WITH 8d NAILS AT 6" O.C. ALONG PANEL EDGES AND AT 12" O.C. IN THE FIELD WITH 1-3/8" MIN PENETRATION.

E. CABIN FLOOR CONSTRUCTION SHALL BE 3/4" APA RATED SHEATHING - BLOCKED. FASTEN WITH 10d NAILS AT 6" O.C. W/ 1-1/2" MIN PENETRATION ALONG PANEL EDGES AND 10d NAILS AT 12" O.C. IN THE FIELD.

F. DECK FLOOR CONSTRUCTION SHALL BE COMPOSITE DECKING PER ARCH WITH FASTENING PER MANUFACTURER'S RECOMMENDATIONS.

G. ▭ INDICATES LOCATIONS OF SHEAR WALL.

H. SHEAR WALL SHEATHING REQUIREMENTS ARE AS FOLLOWS:
S1: 5/8 APA RATED SHEATHING ON ONE FACE AND BLOCKING AT ALL UNSUPPORTED EDGES. FASTENED WITH 10d AT 6" OC WITH 1-1/2" MIN PENETRATION ALONG PANEL EDGES AND 10d AT 12" OC IN THE FIELD.
S2: 5/8 APA RATED SHEATHING ON ONE FACE AND BLOCKING AT ALL UNSUPPORTED EDGES. FASTENED WITH 10d AT 4" OC WITH 1-1/2" MIN PENETRATION ALONG PANEL EDGES AND 10d AT 12" OC IN THE FIELD.

I. SEE 1/S-502 FOR TYPICAL SHEAR WALL DETAIL.

J. BEARING WALL STUDS SHALL BE 2x6 @ 16" OC MAX UNLESS OTHERWISE NOTED. PROVIDE MIN. (3)2x STUDS ALIGNED DIRECTLY BELOW ALL GIRDER TRUSS OR PORCH BEAM BEARING LOCATIONS UNLESS OTHERWISE NOTED.

K. SEE ARCHITECTURAL BUILDING SECTIONS FOR TRUSS PROFILES. TRUSS PROFILES NOT SHOWN SHALL BE DETERMINED BY TRUSS MFR. ALL OVERHANG AND CORNER FRAMING SHALL BE DESIGNED BY TRUSS MFR. TRUSS TO TRUSS CONNECTIONS SHALL BE SPECIFIED BY THE TRUSS MFR.

L. TYPICAL HEADER AT EXTERIOR WALL SHALL BE MIN (3)2x10 FOR SPANS UP TO 5'-8" W/ MIN (2)2x6 FULL HEIGHT STUDS AT EACH END AND MIN (2)2x6 JACK STUDS, UNLESS OTHERWISE NOTED ON PLAN

M. TYPICAL TRUSS SPACING SHALL BE 2'-0" UNLESS NOTED OTHERWISE.

N. TRUSS BEARING AND BOTTOM CHORD ELEVATION = (+)9'-0" UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL PLANS, ELEVATIONS, AND SECTIONS FOR ADDITIONAL TRUSS BEARING INFORMATION.

O. TRUSSES SHALL BE DESIGNED TO SUPPORT MECHANICAL EQUIPMENT. COORDINATE SIZE AND LOCATION OF UNITS WITH MECHANICAL CONTRACTOR. COORDINATE TRUSS LAYOUT WITH MECHANICAL DUCTS AND FLOOR PENETRATIONS - PROVIDE RECTANGULAR DUCT OPENINGS IN TRUSS WEBS TO ACCOMMODATE ANY DUCTWORK THAT WILL NOT FIT BETWEEN THE TYPICAL WEB CONFIGURATION. TYPICAL ENTIRE SHEET.

P. ALL PARTITION WALLS ARE TO BE CONSIDERED NON-STRUCTURAL UNLESS NOTED OTHERWISE.

Q. ALL EXTERIOR ANCHORS, PLATES, AND CONNECTORS SHALL BE GALVANIZED.

R. ALL EXTERIOR EXPOSED VISIBLE FRAMING SHALL BE PORT ORFORD CEDAR NO. 1.

S. TIMBER AND GLULAM CONSTRUCTION AT THE COVERED PORCH AND DECK SHALL BE DELEGATED DESIGN SYSTEM BY THE SUPPLIER INCLUDING ALL PURLINS, JOISTS, BEAMS, POSTS, GLULAM TRUSSES, AND THEIR CONNECTIONS. MEMBER SIZES AND DETAILS INDICATED ARE CONCEPTUAL. FINAL DESIGN AESTHETICS SHALL BE COORDINATED WITH THE ARCHITECT. SEE S-001 FOR DESIGN CRITERIA.

T. SEE ARCH FOR GLULAM TRUSS PROFILE AND CONCEPTUAL DETAILS.

U. COORDINATE FLOOR JOIST LOCATIONS WITH PLUMBING TO PREVENT CONFLICTS.

V. STEEL FRAMING AND BOLTS AND ANCHORS TO BE GALVANIZED.

W. ALL EXPOSED BUT NOT VISIBLE LUMBER (IE DECK FRAMING, FLOOR FRAMING, PORCH RAFTERS, ETC) TO BE TREATED LUMBER.

STATE OF MISSOURI
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GOVERNOR

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EDITH
No. 2006019722
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11/26/2025
Exp:12/31/2026

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DEPARTMENT OF NATURAL
RESOURCES DIVISION OF STATE
PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

SALEM, MISSOURI

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001 ☐	(2B)Cabin C	7815232004 ☒
Lower Dorm	7815232010 ☐	(2B)Cabin D	7815232005 ☒
Gymnasium	7815232011 ☐	(2B)Cabin E	7815232006 ☒
Game Room	7815232012 ☐	(2B)Cabin F	7815232007 ☒
Family Cabin	7815232013 ☐	(2B)Cabin G	7815232008 ☒
RR Building	7815232014 ☐	(2B)Cabin H	7815232009 ☒

#	DATE:	DESCRIPTION:

DRAWN BY: SCS
CHECKED BY: PMH
DESIGNED BY: PND

SHEET TITLE:

2 BEDROOM CABIN FLOOR AND ROOF FRAMING PLANS

SHEET NUMBER:

S-102

SHEET 100 of 219
ISSUE DATE 11/26/2025

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TYPICAL REPAIR NOTES

1. REINSTALL ANY ROCKS THAT HAVE BEEN DISPLACED FROM THE FOUNDATION WALL WITH MORTAR.
2. TUCK POINT TYPICALLY BETWEEN TOP OF FOUNDATION WALL AND SUPERSTRUCTURE TO ENSURE FULL BEARING.
3. FILL GAPS IN FOUNDATION WALLS WITH EXISTING ROCK THAT FELL OUT, IF AVAILABLE, OR WITH GROUT AND/OR ROCK AS NECESSARY. ROCK FILL TO BE MINIMUM 2", OTHERWISE JUST USE GROUT.
4. WHERE INFILLING ROCKS AT BASE OF WALL, PROVIDE SOLID CONTACT OF WALL TO COMPETENT SOIL PER GENERAL FOUNDATION NOTES, NOT JUST TOP SOIL.
5. CURRENT INFORMATION IS BASED ON VISIBLE CONDITIONS. CONTACT SEOR FOR ANY UNFORESEEN CONDITIONS FOUND DURING CONSTRUCTION.
6. SEE MECHANICAL SHEETS FOR DUCT OPENINGS THROUGH EXISTING FOUNDATION WALLS AND 8/S-105 FOR WALL REINFORCEMENT.
7. ANY CONDITIONS THAT ARE NOT AS EXPECTED SHALL BE BROUGHT TO THE ATTENTION OF THE SEOR FOR FURTHER DIRECTION.
8. ALL EXPOSED WOOD (IE IN CRAWL SPACES) TO BE TREATED WOOD.
9. REPAIR NOTES ARE TYPICAL AT ALL BUILDINGS.



1. GC TO COORDINATE ACTUAL FIELD CONDITIONS W/ SEOR AND TRUSS MFR PRIOR TO FABIRCATION OF FLOOR TRUSSES.
2. PROVIDE FLOOR TRUSSES W/ 6" TRUE TOP CHORD BEARING AT 16" OC BETWEEN EXISTING JOISTS
3. PROVIDE 6" TRUE BEARING CHORD, OR MAY HAVE TO SHIM AT BEARING POINTS TO MATCH EXISTING DEPTHS
4. REMOVE AND REPLACE FLOOR SHEATHING WITH LIKE MATERIALS, SIZES, AND FASTENING
5. TRUSSES TO BE TIGHT TO UNDERSIDE OF NEW FLOOR SHEATHING

ASSUMPTION THAT THERE ARE EXISTING FLOOR JOISTS AT 16" OC SPANNING APPROX 15' FROM INTERIOR CRAWL SPACE WALL TO EXTERIOR WALL, WITH AN INTERIOR BEAM LINE AT APPROX HALFWAY POINT - CONTACT SEOR WITH ACTUAL CONDITIONS.

SEE ARCH FOR REPAIR INSTRUCTIONS AT REAR SIDE OF LODGE. REPAIR BASE OF WALL USING LIKE MATERIALS, SIZES, AND FASTENING

TYP ALONG BACK WALL OF LODGE

1. DEMO BOTH RETAINING WALLS AND SIDEWALK
2. REMOVE DIRT DOWN TO FLOOR LEVEL OUT TO BEHIND OUTSIDE RETAINING WALL
3. CONSTRUCT NEW RETAINING WALL
4. ALSO SEE CIVIL AND ARCH PLANS AND DETAILS FOR ADD'L INFORMATION

SEE ARCH FOR REPAIR INSTRUCTIONS AT REAR SIDE OF LODGE. REPAIR BASE OF WALL USING LIKE MATERIALS, SIZES, AND FASTENING

FIELD VERIFY THAT OFFSET CORRIDOR BEARING WALL, BEING MOVED TO BE IN LINE WITH REST OF CORRIDOR, WILL STILL SIT ON FOUNDATION WALL AND PROVIDE NECESSARY BEARING AT THE ROOF, CONTACT SEOR FOR DETAILS IF REQ'D.

EXISTING 2X6 TRUE JOISTS AT 16" O.C.

EXISTING CRAWL SPACE WALLS BELOW

AT ALL NEW POSTS, TYP OF 8, VERIFY FDN WALL BELOW IS MIN 2'-6" TALL OR CONTACT SEOR FOR INSTRUCTION. IF WALL ISN'T STABLE, CAN PROVIDE LATERAL SUPPORT SIMILAR TO 11/S-105

WHERE INFILLING BEARING WALLS, PROVIDE STRUCTURAL STUDS TO MAINTAIN BEARING OF LOAD ABOVE.

6" HOUSEKEEPING PAD ALONG BACK WALL

15'-3 5/8" F.V.
13'-10 1/4" FV
13'-11 1/2" FV
13'-8 3/8" FV
11'-7 1/4" F.V.
10'-8 3/4" F.V.
5'-11 1/4" FV
11'-0 3/4" FV
9'-1 1/2" FV
11'-2 3/8" FV
5'-6" VERIFY W/ FINAL EQUIPMENT

1. GC TO COORDINATE ACTUAL FIELD CONDITIONS W/ SEOR AND TRUSS MFR PRIOR TO FABIRCATION OF FLOOR TRUSSES.
2. PROVIDE FLOOR TRUSSES W/ 6" TRUE TOP CHORD BEARING AT 16" OC BETWEEN EXISTING JOISTS
3. PROVIDE 6" TRUE BEARING CHORD, OR MAY HAVE TO SHIM AT BEARING POINTS TO MATCH EXISTING DEPTHS
4. REMOVE AND REPLACE FLOOR SHEATHING WITH LIKE MATERIALS, SIZES, AND FASTENING
5. TRUSSES TO BE TIGHT TO UNDERSIDE OF NEW FLOOR SHEATHING

IN CRAWL SPACE BELOW KITCHEN, SHORE UP BEAM, REMOVE EXISTING CINDER BLOCKS, AND REPLACE WITH A PEDESTAL TO BELOW FROST



1. DEMO AND REMOVE ALL EXISTING SLAB IN HATCHED REGION.
2. SHORE BEAM, BRACE, AND POST AT CURRENT HEIGHT.
3. REMOVE SOIL UNDER POST DOWN TO 30" BELOW TOP OF SLAB.
4. INSTALL 4'x4'xREQ'D PAD FOOTING UNDER POST.
5. REPLACE SLAB W/ 4" CAST IN PLACE CONCRETE REINFORCED W/ WWF4x4xW2.9xW2.9, STOP DEMO AT 8" FROM EXISTING FOUNDATION WALLS



INTERIOR FOUNDATION CRACKS:
1. PROVIDE UNDERPINNING PER GEOTECH REPORT AROUND CORNER OF MECH SPACE, W/ 1 EITHER SIDE OF SHEAR FAILURE IN CONC WALL AND 4' OC BEYOND THAT.
2. CLEAN LOOSE CONCRETE OUT OF CRACKS
3. FILL WITH SIKA GROUT 212.



RE-INSTALL LARGE DISPLACED ROCK AT BASE OF PLANTER, W/ MORTAR



1. DEMO SIDEWALK AT FRONT FACE OF LODGE
2. FIELD VERIFY WALL BASE CONDITION
3. INSTALL UNDERPINNING SUPPORTS AROUND CORNER PER GEOTECH REPORT
4. TUCK POINT CMU AS REQUIRED ON BOTH SIDES OF CORNER



1 **LODGE FLOOR PLAN**
SCALE: 3/16" = 1'-0"

0 2 4 8

PLAN NORTH

11/25/2025 3:31:15 PM

STATE OF MISSOURI
MIKE KEHOE
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STATE OF MISSOURI
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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

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Salem, Missouri

PROJECT #.: X2207-01

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RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: SCS
CHECKED BY: PMH
DESIGNED BY: PND

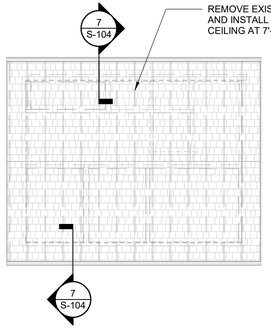
SHEET TITLE:

LODGE FIRST FLOOR PLAN

SHEET NUMBER:

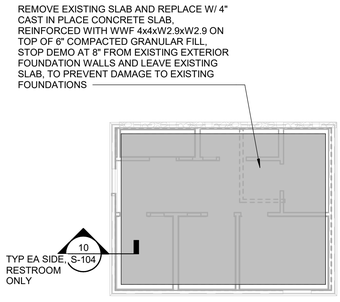
S-103

SHEET 101 of 219
ISSUE DATE 11/26/2025



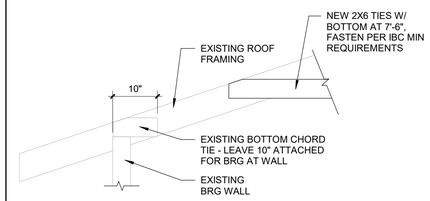
9 RESTROOM - ROOF PLAN

SCALE: 1/8" = 1'-0"



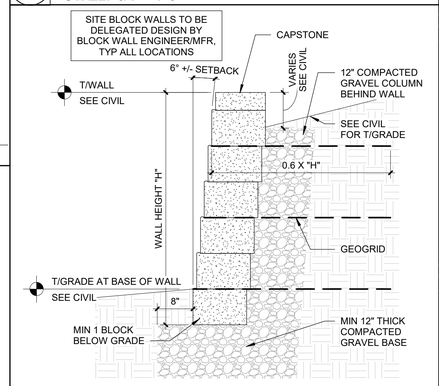
8 RESTROOM - FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"



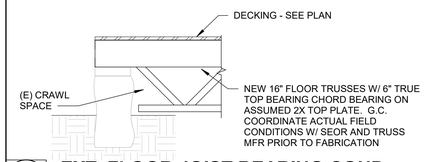
7 CUT CEILING TIES

SCALE: 3/4" = 1'-0"



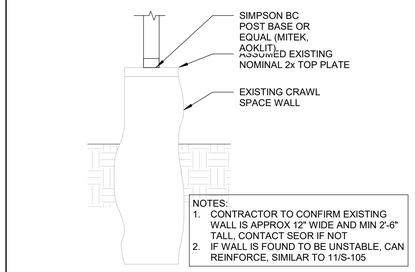
6 TYPICAL SITE BLOCK RETAINING WALL

SCALE: 3/4" = 1'-0"



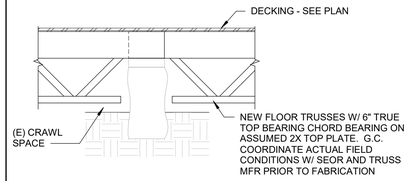
5 EXT. FLOOR JOIST BEARING COND.

SCALE: 3/4" = 1'-0"



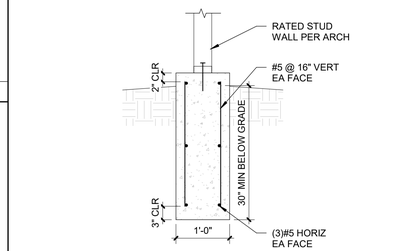
4 POST ON CRAWL SPACE WALL

SCALE: 3/4" = 1'-0"



3 INT. FLOOR JOIST BEARING WALL

SCALE: 3/4" = 1'-0"

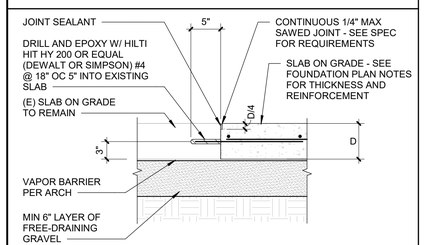


2 GRADE BEAM

SCALE: 3/4" = 1'-0"

TYPICAL REPAIR NOTES

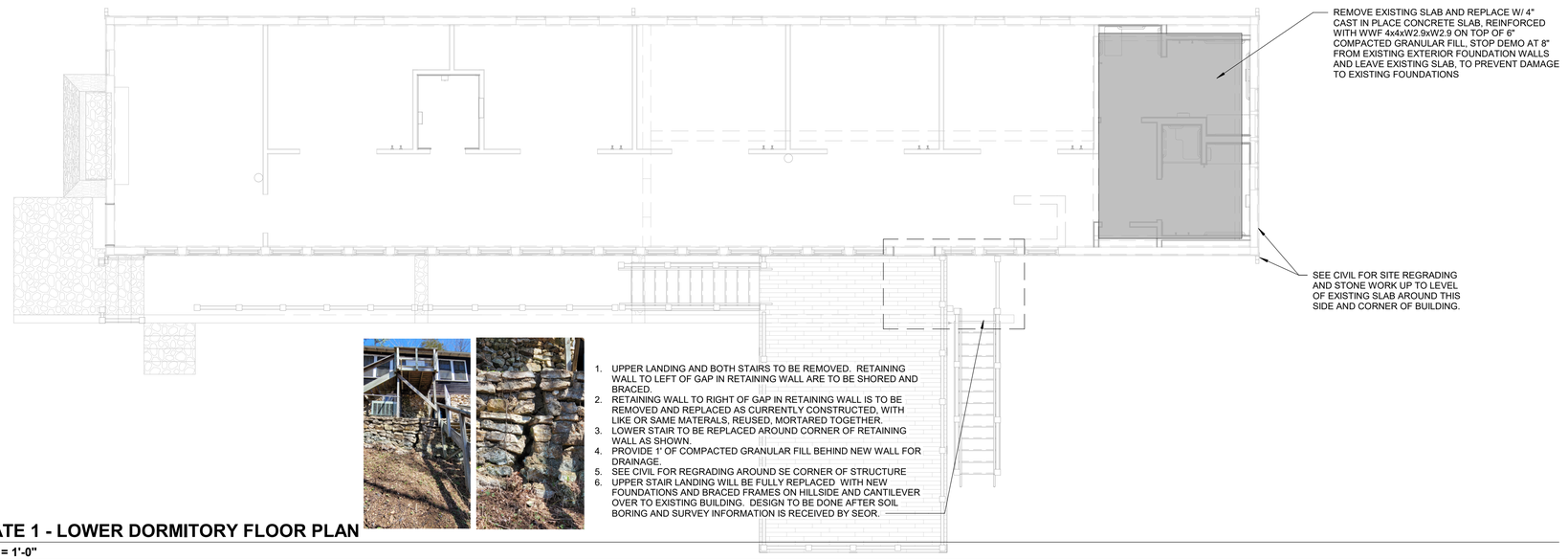
1. REINSTALL ANY ROCKS THAT HAVE BEEN DISPLACED FROM THE FOUNDATION WALL WITH MORTAR.
2. TUCK POINT TYPICALLY BETWEEN TOP OF FOUNDATION WALL AND SUPERSTRUCTURE TO ENSURE FULL BEARING.
3. FILL GAPS IN FOUNDATION WALLS WITH EXISTING ROCK THAT FELL OUT, IF AVAILABLE, OR WITH GROUT AND/OR ROCK AS NECESSARY. ROCK FILL TO BE MINIMUM 2", OTHERWISE JUST USE GROUT.
4. WHERE INFILLING ROCKS AT BASE OF WALL, PROVIDE SOLID CONTACT OF WALL TO COMPETENT SOIL PER GENERAL FOUNDATION NOTES, NOT JUST TOP SOIL.
5. CURRENT INFORMATION IS BASED ON VISIBLE CONDITIONS. CONTACT SEOR FOR ANY UNFORESEEN CONDITIONS FOUND DURING CONSTRUCTION.
6. SEE MECHANICAL SHEETS FOR DUCT OPENINGS THROUGH EXISTING FOUNDATION WALLS AND 8/S-105 FOR WALL REINFORCEMENT.
7. ANY CONDITIONS THAT ARE NOT AS EXPECTED SHALL BE BROUGHT TO THE ATTENTION OF THE SEOR FOR FURTHER DIRECTION.
8. ALL EXPOSED WOOD (IE IN CRAWL SPACES) TO BE TREATED WOOD.
9. REPAIR NOTES ARE TYPICAL AT ALL BUILDINGS.



NOTE:
TAKE SPECIAL PRECAUTIONS PER ACI302.1R TO PREVENT DIFFERENTIAL CURING WHEN USING A VAPOR BARRIER.

10 SLAB DOWEL TO EXISTING

SCALE: 1" = 1'-0"



1. UPPER LANDING AND BOTH STAIRS TO BE REMOVED. RETAINING WALL TO LEFT OF GAP IN RETAINING WALL ARE TO BE SHORED AND BRACED.
2. RETAINING WALL TO RIGHT OF GAP IN RETAINING WALL IS TO BE REMOVED AND REPLACED AS CURRENTLY CONSTRUCTED, WITH LIKE OR SAME MATERALS, REUSED, MORTARED TOGETHER.
3. LOWER STAIR TO BE REPLACED AROUND CORNER OF RETAINING WALL AS SHOWN.
4. PROVIDE 1' OF COMPACTED GRANULAR FILL BEHIND NEW WALL FOR DRAINAGE.
5. SEE CIVIL FOR REGRADING AROUND SE CORNER OF STRUCTURE
6. UPPER STAIR LANDING WILL BE FULLY REPLACED WITH NEW FOUNDATIONS AND BRACED FRAMES ON HILLSIDE AND CANTILEVER OVER TO EXISTING BUILDING. DESIGN TO BE DONE AFTER SOIL BORING AND SURVEY INFORMATION IS RECEIVED BY SEOR.

1 ALTERNATE 1 - LOWER DORMITORY FLOOR PLAN

SCALE: 3/16" = 1'-0"

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#	DATE:	DESCRIPTION:

DRAWN BY: SCS
CHECKED BY: PMH
DESIGNED BY: PND

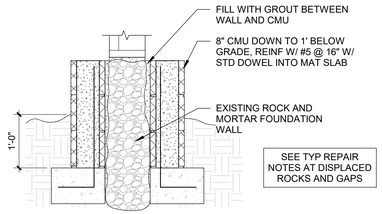
SHEET TITLE:

LOWER DORMITORY AND RESTROOM FLOOR PLAN AND MISC DETAILS

SHEET NUMBER:

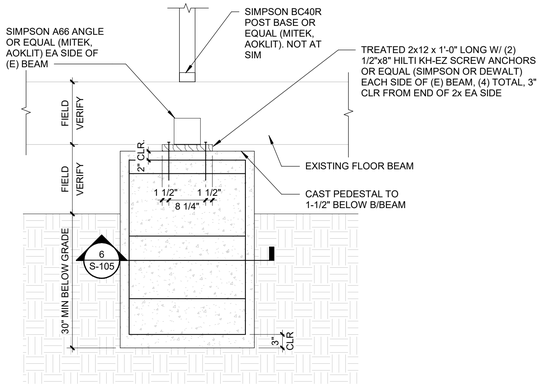
S-104

SHEET 102 of 219
ISSUE DATE 11/26/2025



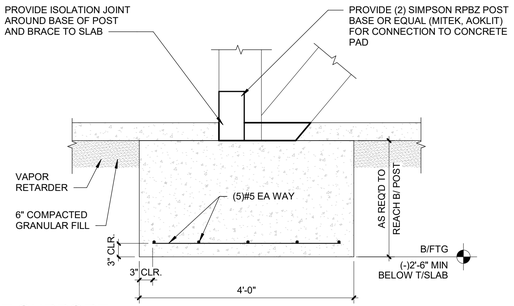
11 SECTION THROUGH DUCT OPENING

SCALE: 3/4" = 1'-0"



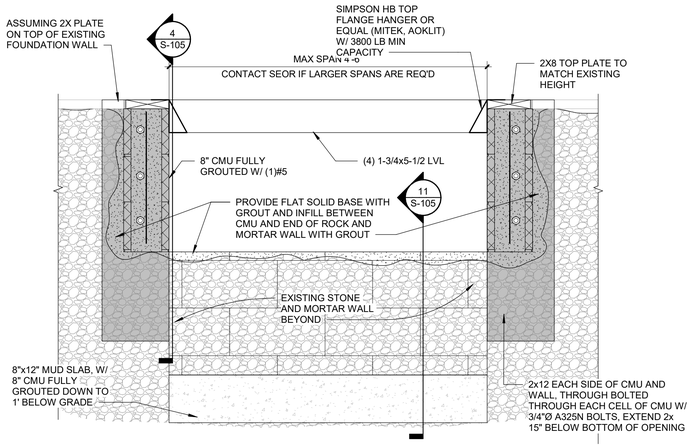
10 PEDESTAL UNDER (E)BEAM

SCALE: 3/4" = 1'-0"



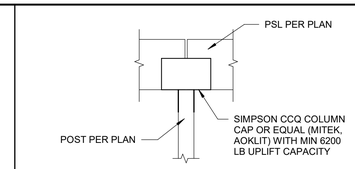
9 POST SUPPORT

SCALE: 3/4" = 1'-0"



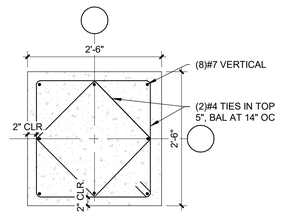
8 FOUNDATION OPENINGS FOR DUCTS

SCALE: 1" = 1'-0"



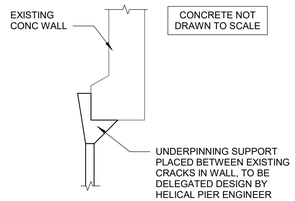
7 POST CAP

SCALE: 3/4" = 1'-0"



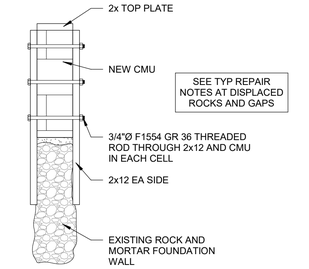
6 PEDESTAL DETAIL

SCALE: 3/4" = 1'-0"



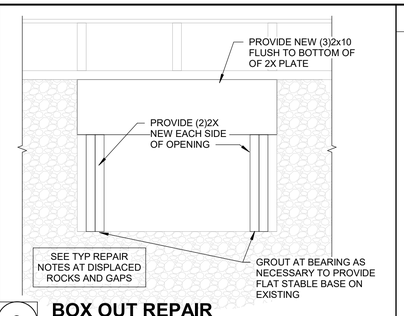
5 UNDERPINNING SUPPORT

SCALE: 3/4" = 1'-0"



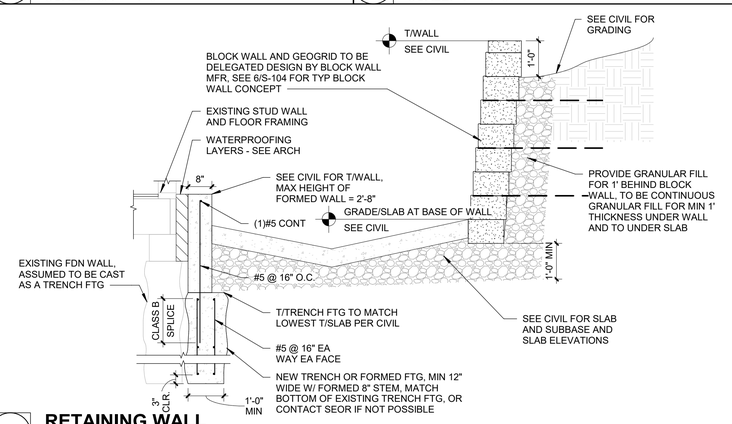
4 2x BOLTED THROUGH

SCALE: 3/4" = 1'-0"



3 BOX OUT REPAIR

SCALE: 1" = 1'-0"



2 RETAINING WALL

SCALE: 1/2" = 1'-0"

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1. REINSTALL ANY ROCKS THAT HAVE BEEN DISPLACED FROM THE FOUNDATION WALL WITH MORTAR.
2. TUCK POINT TYPICALLY BETWEEN TOP OF FOUNDATION WALL AND SUPERSTRUCTURE TO ENSURE FULL BEARING.
3. FILL GAPS IN FOUNDATION WALLS WITH EXISTING ROCK THAT FELL OUT, IF AVAILABLE, OR WITH GROUT AND/OR ROCK AS NECESSARY. ROCK FILL TO BE MINIMUM 2", OTHERWISE JUST USE GROUT.
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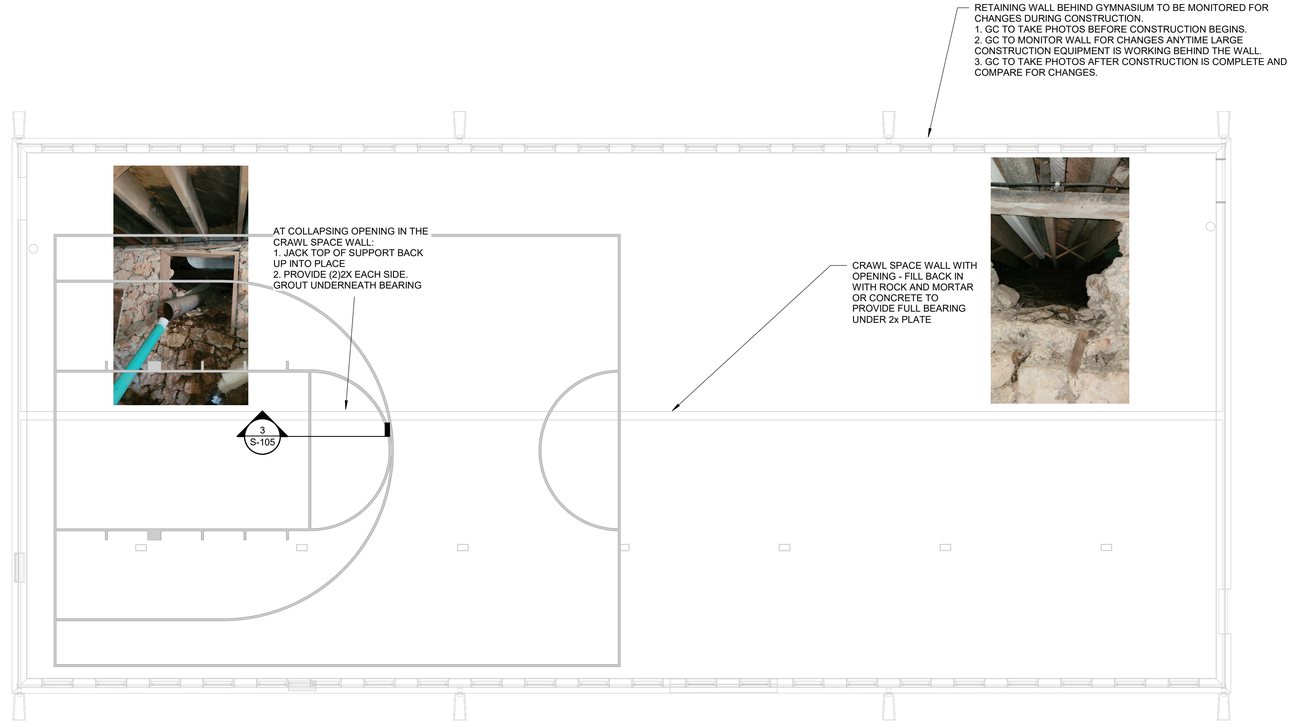
7. ANY CONDITIONS THAT ARE NOT AS EXPECTED SHALL BE BROUGHT TO THE ATTENTION OF THE SEOR FOR FURTHER DIRECTION.
8. ALL EXPOSED WOOD (IE IN CRAWL SPACES) TO BE TREATED WOOD.
9. REPAIR NOTES ARE TYPICAL AT ALL BUILDINGS.



1 GYMNASIUM FLOOR PLAN

SCALE: 3/16" = 1'-0"

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
EDITH
PROFESSIONAL ENGR

11/26/2025
Exp:12/31/2026

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.:

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: SCS
CHECKED BY: PMH
DESIGNED BY: PND

SHEET TITLE:

GYMNASIUM FLOOR PLAN AND MISC DETAILS

SHEET NUMBER:

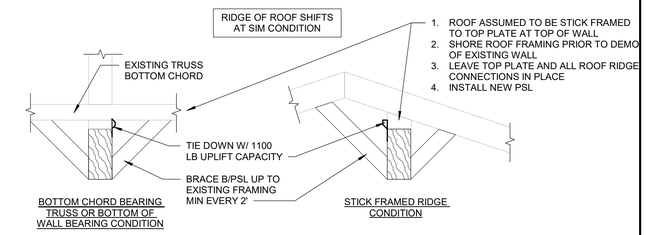
S-105

SHEET 103 of 219
ISSUE DATE 11/26/2025

11/25/2025 3:31:15 PM

TYPICAL REPAIR NOTES

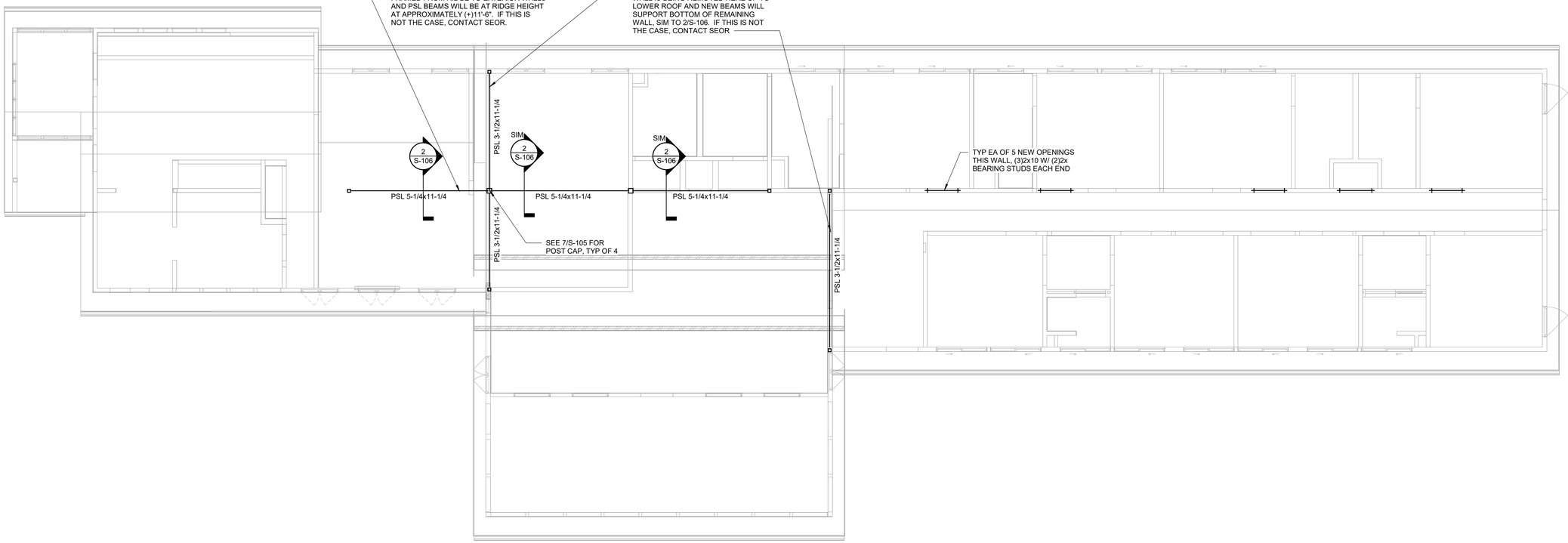
1. REINSTALL ANY ROCKS THAT HAVE BEEN DISPLACED FROM THE FOUNDATION WALL WITH MORTAR.
2. TUCK POINT TYPICALLY BETWEEN TOP OF FOUNDATION WALL AND SUPERSTRUCTURE TO ENSURE FULL BEARING.
3. FILL GAPS IN FOUNDATION WALLS WITH EXISTING ROCK THAT FELL OUT, IF AVAILABLE, OR WITH GROUT AND/OR ROCK AS NECESSARY. ROCK FILL TO BE MINIMUM 2", OTHERWISE JUST USE GROUT.
4. WHERE INFILLING ROCKS AT BASE OF WALL, PROVIDE SOLID CONTACT OF WALL TO COMPETENT SOIL PER GENERAL FOUNDATION NOTES, NOT JUST TOP SOIL.
5. CURRENT INFORMATION IS BASED ON VISIBLE CONDITIONS. CONTACT SEOR FOR ANY UNFORESEEN CONDITIONS FOUND DURING CONSTRUCTION.
6. SEE MECHANICAL SHEETS FOR DUCT OPENINGS THROUGH EXISTING FOUNDATION WALLS AND 8/S-105 FOR WALL REINFORCEMENT.
7. ANY CONDITIONS THAT ARE NOT AS EXPECTED SHALL BE BROUGHT TO THE ATTENTION OF THE SEOR FOR FURTHER DIRECTION.
8. ALL EXPOSED WOOD (IE IN CRAWL SPACES) TO BE TREATED WOOD.
9. REPAIR NOTES ARE TYPICAL AT ALL BUILDINGS.



1. ROOF ASSUMED TO BE STICK FRAMED TO TOP PLATE AT TOP OF WALL
2. SHORE ROOF FRAMING PRIOR TO DEMO OF EXISTING WALL
3. LEAVE TOP PLATE AND ALL ROOF RIDGE CONNECTIONS IN PLACE
4. INSTALL NEW PSL

2 **STICK FRAMED OR TRUSSES BEARING ON PSL BEAM**

SCALE: 3/4" = 1'-0"



1 **LODGE FLOOR PLAN**

SCALE: 3/16" = 1'-0"

11/26/2025 3:31:18 PM

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ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	X	(2B)Cabin C	7815232004	
Lower Dorm	7815232010		(2B)Cabin D	7815232005	
Gymnasium	7815232011		(2B)Cabin E	7815232006	
Game Room	7815232012		(2B)Cabin F	7815232007	
Family Cabin	7815232013		(2B)Cabin G	7815232008	
RR Building	7815232014		(2B)Cabin H	7815232009	

#	DATE:	DESCRIPTION:

DRAWN BY: PND
CHECKED BY: PMH
DESIGNED BY: PND

SHEET TITLE:

LODGE ROOF FRAMING PLAN

SHEET NUMBER:

S-106

SHEET 104 of 219
ISSUE DATE 11/26/2025

TYPICAL REPAIR NOTES

1. REINSTALL ANY ROCKS THAT HAVE BEEN DISPLACED FROM THE FOUNDATION WALL WITH MORTAR.
2. TUCK POINT TYPICALLY BETWEEN TOP OF FOUNDATION WALL AND SUPERSTRUCTURE TO ENSURE FULL BEARING.
3. FILL GAPS IN FOUNDATION WALLS WITH EXISTING ROCK THAT FELL OUT, IF AVAILABLE, OR WITH GROUT AND/OR ROCK AS NECESSARY. ROCK FILL TO BE MINIMUM 2", OTHERWISE JUST USE GROUT.
4. WHERE INFILLING ROCKS AT BASE OF WALL, PROVIDE SOLID CONTACT OF WALL TO COMPETENT SOIL PER GENERAL FOUNDATION NOTES, NOT JUST TOP SOIL.
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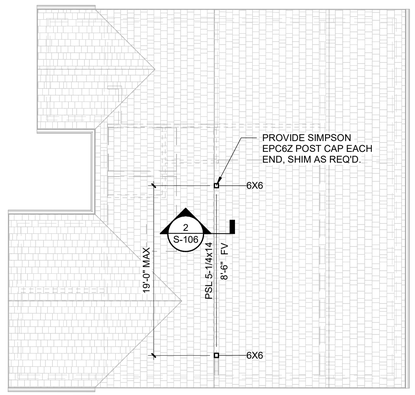
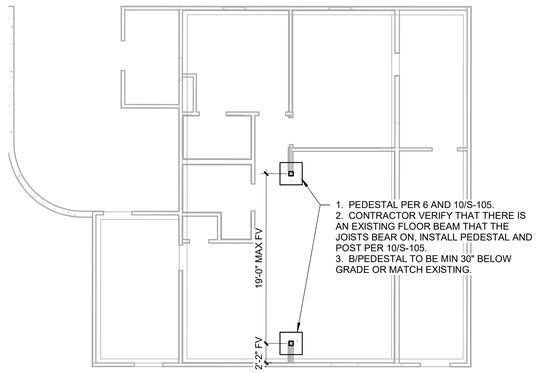


2 **ALT 2 - FAMILY CABIN FRAMING PLAN**
SCALE: 1/8" = 1'-0"



1 **ALT 2 - FAMILY CABIN FOUNDATION PLAN**
SCALE: 1/8" = 1'-0"

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ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: PND
CHECKED BY: PND
DESIGNED BY: PMH

SHEET TITLE:

ALT 2 - FAMILY CABIN FOUNDATION AND ROOF FRAMING PLANS

SHEET NUMBER:

S-107

SHEET 105 of 219
ISSUE DATE 11/26/2025

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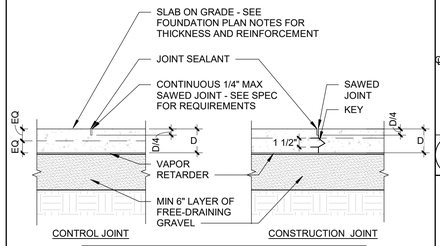
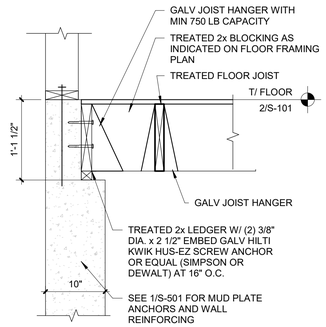
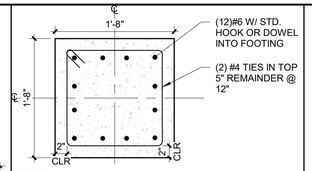


NOTE:
TAKE SPECIAL PRECAUTIONS PER ACI302.1R TO PREVENT DIFFERENTIAL CURING WHEN USING A VAPOR BARRIER.

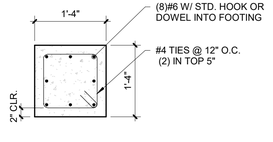
15 SLAB JOINT DETAIL
SCALE: 1" = 1'-0"



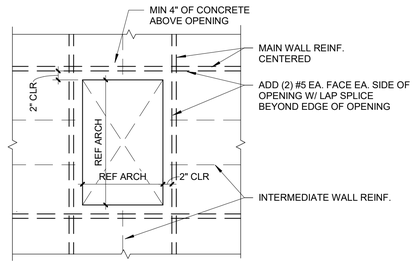
14 END WALL FRAMING SUPPORT
SCALE: 1" = 1'-0"



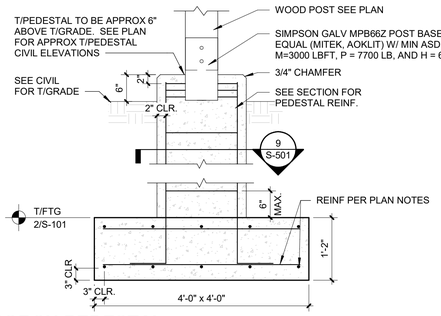
9 PEDESTAL SECTION
SCALE: 1" = 1'-0"



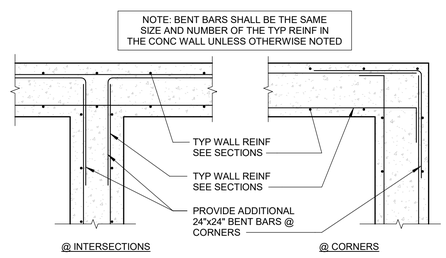
10 PEDESTAL SECTION
SCALE: 3/4" = 1'-0"



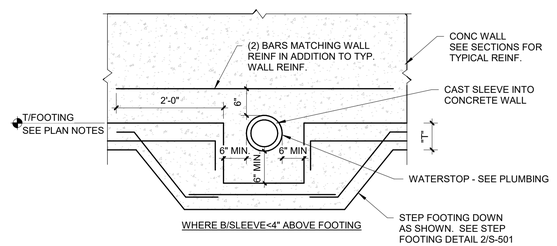
8 ACCESS HOLE THROUGH FDN WALL
SCALE: 3/4" = 1'-0"



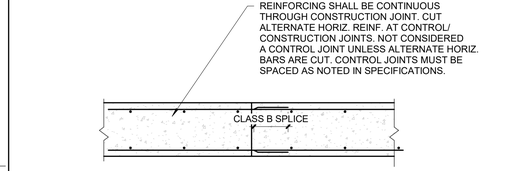
7 PORCH PEDESTAL
SCALE: 3/4" = 1'-0"



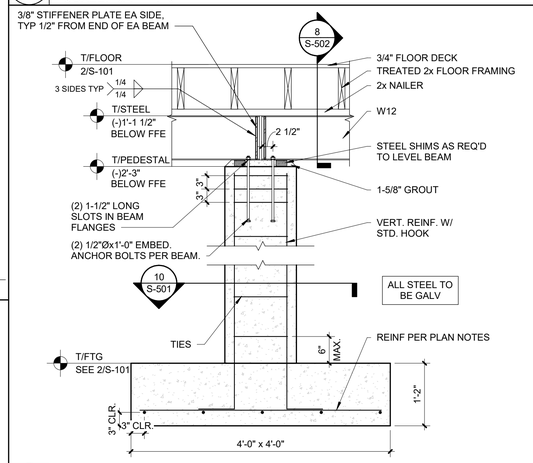
6 WALL INTERSECTION - DOUBLE REINFORCEMENT
SCALE: 3/4" = 1'-0"



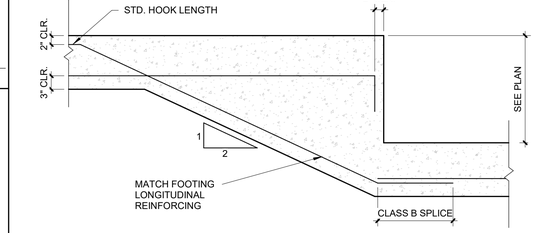
5 PIPE PENETRATION DETAIL
SCALE: 3/4" = 1'-0"



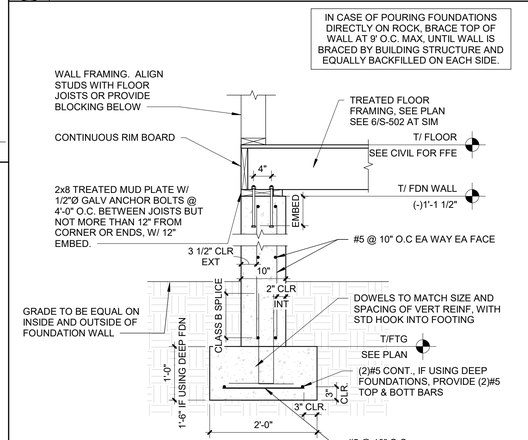
4 WALL CONSTRUCTION/CONTROL JOINT
SCALE: 3/4" = 1'-0"



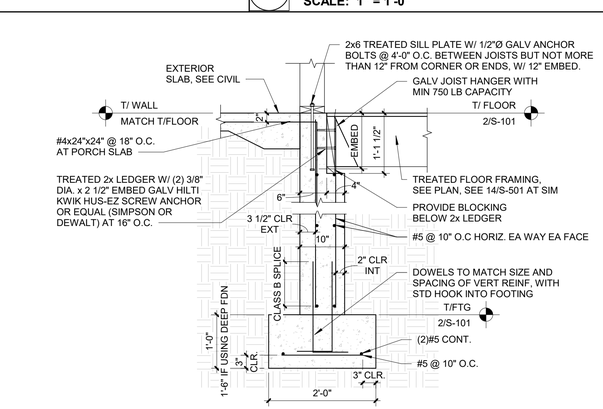
3 INTERIOR PEDESTAL
SCALE: 3/4" = 1'-0"



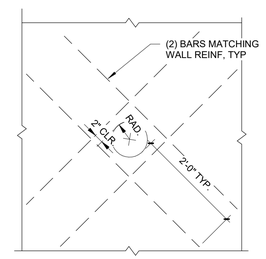
2 TYPICAL SINGLE STEP FOOTING
SCALE: 3/4" = 1'-0"



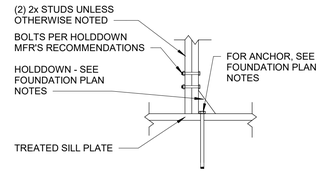
1 TYPICAL FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



13 SPECIAL FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



12 SLEEVE THROUGH CONC WALL
SCALE: 3/4" = 1'-0"



11 HOLDDOWN DETAIL
SCALE: 3/4" = 1'-0"

11/25/2025 3:38:35 PM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI EDITH PAIGE KEHOE NUMBER 2006019722 PROFESSIONAL ENGINEER

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Exp:12/31/2026

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ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

SALEM, MISSOURI

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

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Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☒
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☒
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☒
BR Building	7815232014	☐	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

DRAWN BY: SCS
CHECKED BY: PMH
DESIGNED BY: PND

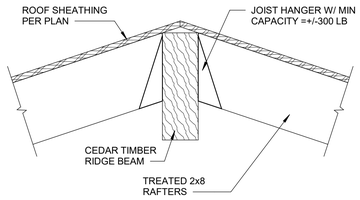
SHEET TITLE:

FOUNDATION DETAILS

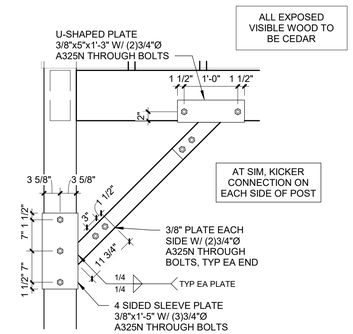
SHEET NUMBER:

S-501

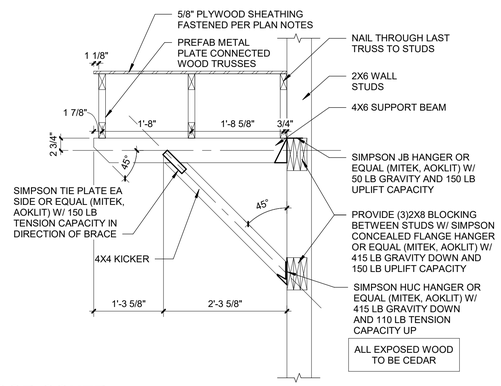
SHEET 106 of 219
ISSUE DATE 11/26/2025



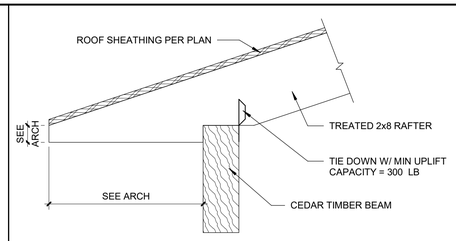
17 RAFTER AT PEAK
SCALE: 1 1/2" = 1'-0"



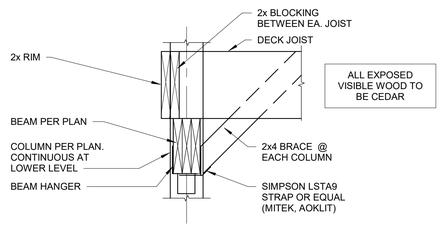
16 KICKER CONNECTION
SCALE: 3/4" = 1'-0"



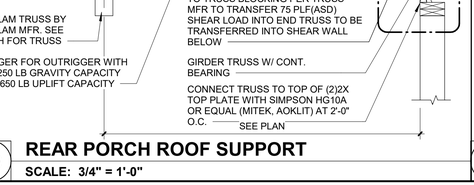
15 DOOR COVER
SCALE: 3/4" = 1'-0"



14 RAFTER END CONNECTION
SCALE: 1 1/2" = 1'-0"

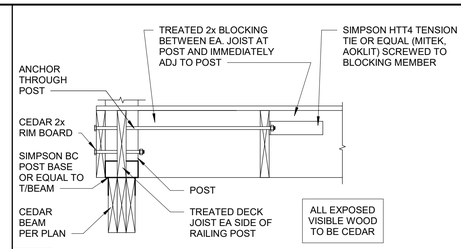


13 RAILING POST CONN
SCALE: 1" = 1'-0"

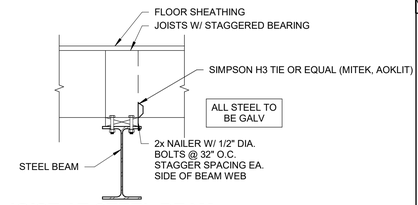


11 BEAM TO COLUMN CONN
SCALE: 1" = 1'-0"

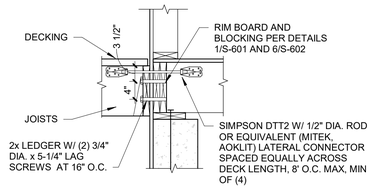
10 REAR PORCH ROOF SUPPORT
SCALE: 3/4" = 1'-0"



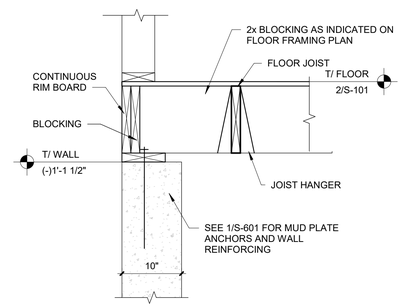
9 SIDE RAILING POST
SCALE: 1" = 1'-0"



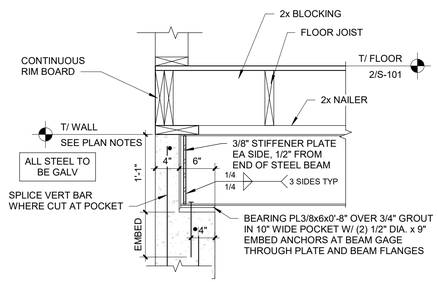
8 JOIST AT STEEL BEAM
SCALE: 1" = 1'-0"



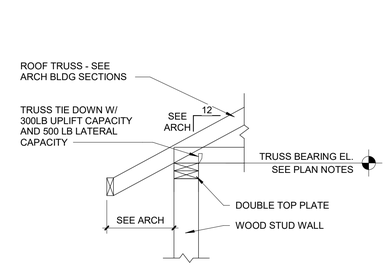
7 DECK FRAMING CONN
SCALE: 3/4" = 1'-0"



6 END WALL FRAMING SUPPORT
SCALE: 1" = 1'-0"



5 STEEL BEAM BEARING ON FOUNDATION
SCALE: 1" = 1'-0"



4 TRUSS BRG DETAIL
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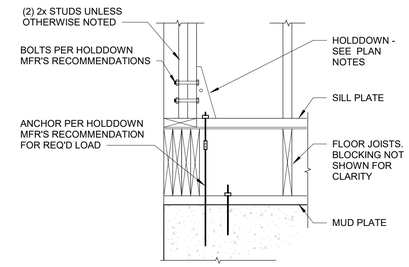
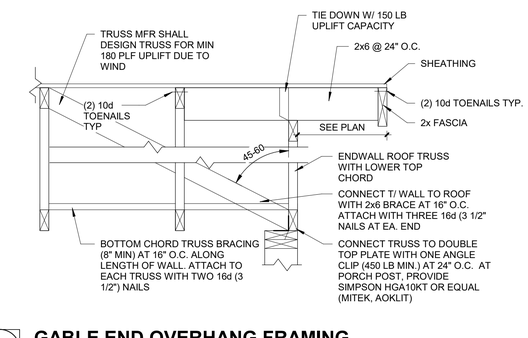


3 TYP HOLDDOWN
SCALE: 1" = 1'-0"



2 GABLE END OVERHANG FRAMING
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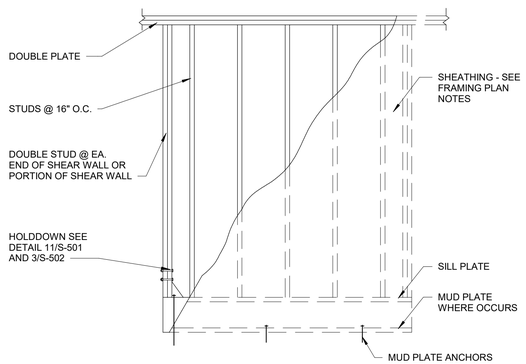

1 TYP. SHEAR WALL
SCALE: 1/2" = 1'-0"

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STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI — KEITH — No. 2008019722 — PROFESSIONAL ENGR

11/26/2025
Exp:12/31/2026

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

SALEM, MISSOURI

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☒
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☒
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☒
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☒
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☒
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

DRAWN BY: SCS
CHECKED BY: PMH
DESIGNED BY: PND

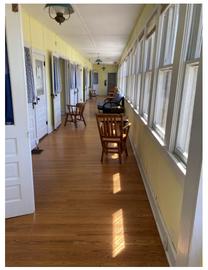
SHEET TITLE:

FRAMING DETAILS

SHEET NUMBER:

S-502

SHEET 107 of 219
ISSUE DATE 11/26/2025



#10: LOWER DORM, INTERIOR HALL VIEW



#9: LOWER DORM, INTERIOR RESTROOM VIEW



#8: LOWER DORM, INTERIOR WING WALL VIEW



#7: LOWER DORM, EXTERIOR NORTHWEST VIEW



#6: LOWER DORM, EXTERIOR SOUTH VIEW



#5: LOWER DORM, EXTERIOR SOUTH VIEW



#4: LOWER DORM, EXTERIOR WEST VIEW



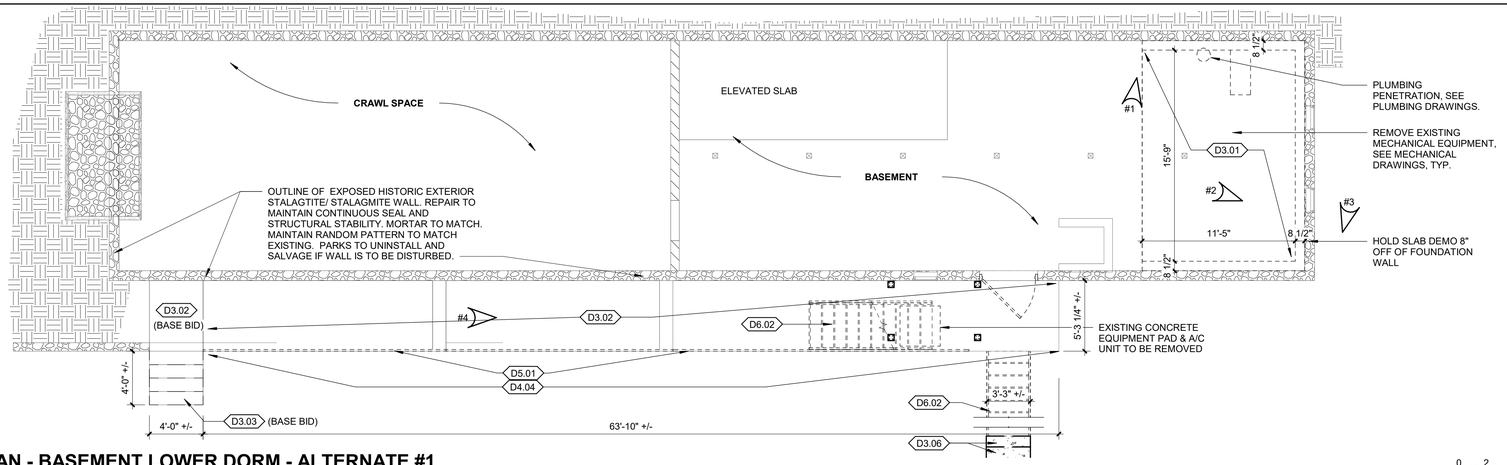
#3 :LOWER DORM, EXTERIOR SOUTHEAST VIEW



#2: LOWER DORM, BUILDING, INTERIOR EAST VIEW

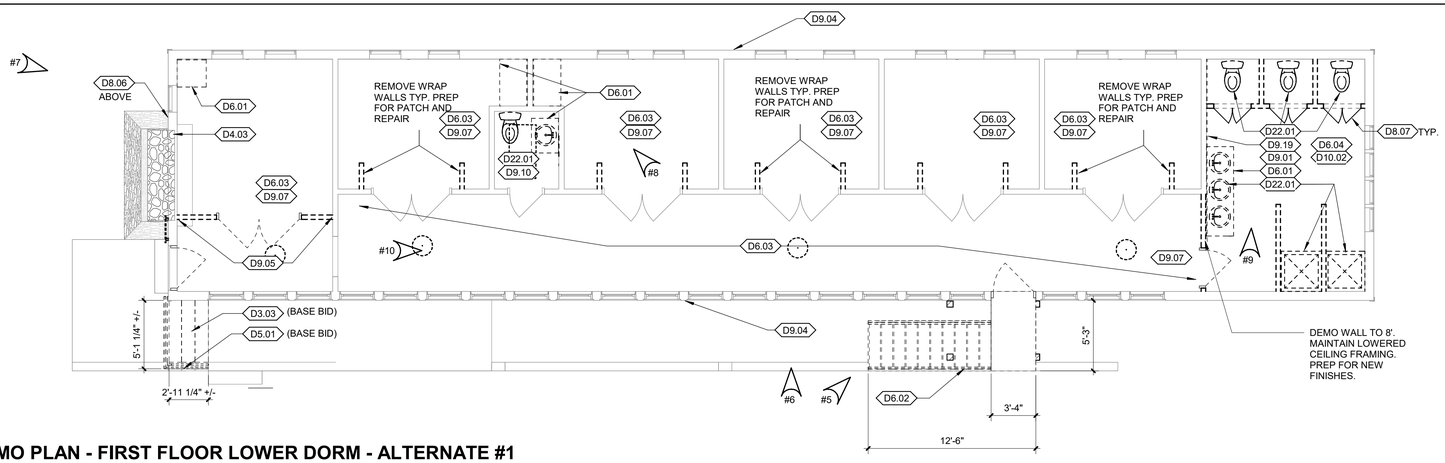


#1: LOWER DORM, BUILDING, INTERIOR NORTH VIEW



2 DEMO PLAN - BASEMENT LOWER DORM - ALTERNATE #1

SCALE: 3/16" = 1'-0"



1 DEMO PLAN - FIRST FLOOR LOWER DORM - ALTERNATE #1

SCALE: 3/16" = 1'-0"

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DEMOLITION GENERAL NOTES

A. EXISTING CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED – COORDINATE WITH NEW CONSTRUCTION

B. ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY.

C. DEMOLITION DRAWINGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE RESPONSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO ACCOMMODATE NEW WORK.

D. THE CONTRACTOR IS RESPONSIBLE FOR RETAINING AND RELOCATING ALL SALVAGE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE.

E. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS.

F. EXISTING ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC, TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.

G. PROTECT ALL FINISHES TO REMAIN FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION.

H. PRIOR TO DEMOLITION, ENSURE THE STABILITY OF ANY WALLS TO REMAIN.

I. DEMOLITION OF FLOOR FINISHES INCLUDES REMOVAL OF ADHESIVES, GROUTING BEDS, RESILIENT BASE, ETC.

J. ALL EXISTING WOOD FLOORING AND WALL PANELING SCHEDULED TO BE REMOVED SHALL BE SALVAGED FOR USE IN THIS PROJECT. STORE AND PROTECT IN CONDITIONED SPACE.

K. REMOVAL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, ETC. LINES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS.

L. REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS.

M. REMOVAL OF EXISTING ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING DEVICES, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE OUTLETS AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.

N. HAZARDOUS MATERIALS INCLUDING, BUT NOT LIMITED TO; ASBESTOS AND/OR LEAD PAINT, IF ENCOUNTERED ON THE PROJECT SITE, THE CONTRACTOR SHALL ENGAGE A TESTING COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE ABATEMENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABATEMENT CONTRACTOR. SEE APPENDIX IN SPECIFICATIONS.

O. REMOVE / REPLACE EXPOSED FASCIA BOARDS, CORNER BOARDS, TRIM RAILS, BALUSTERS & RAFTER TAILS TO MATCH EXISTING.

P. SEE SCHEDULES AND FLOOR PLANS FOR DOOR AND WINDOW INFORMATION ON DEMOLITION, SALVAGING, REPLACING, FINISHES, OPERABILITY AND SIZING.

Q. WHERE WINDOWS ARE SCHEDULED TO BE PAINTED, IF ANY LEAD PAINT ENCOUNTERED ON AN EXISTING WINDOW FINISH, ABATEMENT COMPANY TO COLLECT CHIPPED PAINT FLAKES PRIOR TO PROVIDING NEW FINISHES.

R. REPAIR AND REPLACE FASCIA AS REQUIRED. ADD NEW FASCIA WHERE RAFTER TAILS ARE EXPOSED. PAINT TO MATCH EXISTING.

DEMOLITION KEYNOTES (BY DIVISION) D#.#

DIVISION 03 CONCRETE	
D3.01	REMOVE SLAB 8" OFFSET FROM EXTERIOR WALLS. EXTERIOR WALLS AND FOUNDATION TO REMAIN INTACT. PREPARE FOR NEW SLAB.
D3.02	REMOVE APPROXIMATELY 4 IN. OF EXISTING CONCRETE. PROVIDE ROUGH SURFACE IN PREPARATION TO RECEIVE NEW CONCRETE WALK.
D3.03	REMOVE EXISTING CONCRETE STAIR
D3.06	REMOVE TWO (2) EXISTING CONCRETE RISERS SET IN GRADE. CONTRACTOR TO FIELD VERIFY EXTENT OF WORK. INFILL WITH SUITABLE FILL AS REQUIRED
DIVISION 04 MASONRY	
D4.03	PREP FIREPLACE AND SURROUNDING ELEMENTS FOR NEW FINISHES/ INSERTS/ TUCKPOINTING.
D4.04	FACE OF EXPOSED HISTORIC STALAGTITE/STALAGMITE WALL. REPAIR AS NEEDED TO MAINTAIN CONTINUOUS SEAL AND STRUCTURAL STABILITY. MORTAR TO MATCH. MAINTAIN RANDOM PATTERN TO MATCH EXISTING.
DIVISION 05 METALS	
D5.01	REMOVE HANDRAIL. GRIND POSTS FLUSH WITH CONCRETE AND PATCH VOIDS IN SLAB AND/OR SIDING FROM HANDRAIL REMOVAL.
DIVISION 06 WOOD, PLASTICS, COMPOSITES	
D6.01	REMOVE ALL CASEWORK, SHELVING AND ASSOCIATED COMPONENTS.
D6.02	DEMOLISH EXISTING STAIR CASE/LANDING IN ITS ENTIRETY.
D6.03	EXISTING WOOD FLOOR SCHEDULED TO REMAIN SHALL BE PATCHED AND REPAIRED WITH SALVAGED WOOD, OR NEW INFILL TO MATCH EXISTING IN SIZE AND SPECIES. TOOTH IN SALVAGED BOARDS IN STAGGERED JOINTS TO MATCH ADJACENT INSTALLATION. SAND ENTIRE FLOOR TO RAW WOOD. REFINISH AS SPECIFIED.
D6.04	REMOVE EXISTING WALL PANELING. CONTRACTOR TO FIELD VERIFY EXISTING CONDITION OF WALL FINISH AND PATCH WITH MOISTURE RESISTANT GYP. BOARD AND/OR FIBER CEMENT BACKER BOARD
DIVISION 08 OPENINGS	
D8.06	REMOVE AND REPLACE OR REPAIR LOUVER TO MATCH EXISTING. EXISTING LOUVER, SEE ELEVATIONS FOR ADDITIONAL INFORMATION.
D8.07	REMOVE EXISTING WOOD SALOON STYLE DOORS
DIVISION 09 FINISHES	
D9.01	REMOVE FLOORING MATERIAL DOWN TO SUBFLOOR AND ASSOCIATED ITEMS. REPAIR DAMAGED SUBFLOOR AS REQ'D. PREPARE FLOOR FOR NEW FINISHES AS NOTED ON INTERIOR FINISH DRAWINGS.
D9.04	EXISTING WOOD SIDING TO BE REPLACED AND REPAIRED IN SECTIONS WHERE DAMAGE (UP-3)
D9.05	REMOVE WALL IN ITS ENTIRETY. PATCH VOID FROM WALL REMOVAL TO MATCH ADJACENT CONSTRUCTION, PREPARE FOR NEW WORK
D9.07	REMOVE WALL BASE FROM WALLS WHERE DEMO OCCURS. INSTALL NEW WALL BASE TO MATCH EXISTING IN HEIGHT, PROFILE AND FINISH.
D9.10	REMOVE ALL FINISHES FROM ROOM. PREPARE FOR NEW.
D9.19	REMOVE EXISTING WALL FINISH THIS SIDE OF PARTITION ONLY TO EXISTING STUDS. ADD SOUND BATT INSULATION TO FILL CAVITY UP TO STRUCTURE. COORDINATE WITH NEW CONSTRUCTION.
DIVISION 10 SPECIALTIES	
D10.02	REMOVE ALL MIRRORS, WALL MOUNTED TOILET AND BATH ACCESSORIES, AND WALL MOUNTED LIGHTING
DIVISION 22 PLUMBING	
D22.01	REMOVE EXISTING PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR ASSOCIATED WORK

EXISTING FOUNDATION WALL TYPES

EXISTING HISTORIC EXTERIOR STALAGTITE/ STALAGMITE

EXISTING STONE WALL

EXISTING CMU BLOCK

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232003	☐	(2B)Cabin C	7815232004	☐
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Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

DEMO PLANS - BASEMENT & FIRST FLOOR LOWER DORM - ALTERNATE #1

SHEET NUMBER:

A-101

SHEET 108 of 219
ISSUE DATE 11/26/2025



#11: LODGE, STAIR



#10: LODGE, WEST ELEVATION



#8: LODGE, WEST ELEVATION



#6: LODGE, NORTH ELEVATION



#4: LODGE BASEMENT

DEMOLITION KEYNOTES (BY DIVISION) D#.#

DIVISION 03 CONCRETE	
D3.01	REMOVE SLAB 8" OFFSET FROM EXTERIOR WALLS. EXTERIOR WALLS AND FOUNDATION TO REMAIN INTACT. PREPARE FOR NEW SLAB.
DIVISION 04 MASONRY	
D4.05	REPAIR/ REPLACE CONC BLOCK PER STRUCTURAL.
DIVISION 08 OPENINGS	
D8.08	PATCH AND REPAIR ACCESS DOOR AS REQ'D

EXISTING FOUNDATION WALL TYPES

EXISTING HISTORIC EXTERIOR STALAGTITE/ STALAGMITE

EXISTING STONE WALL

EXISTING CMU BLOCK

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R. REPAIR AND REPLACE FASCIA AS REQUIRED. ADD NEW FASCIA WHERE RAFTER TAILS ARE EXPOSED. PAINT TO MATCH EXISTING.



#9: LODGE, SOUTHEAST FOUNDATION



#7: LODGE, SOUTHEAST FOUNDTATION

#5: LODGE, SOUTH ELEVATION

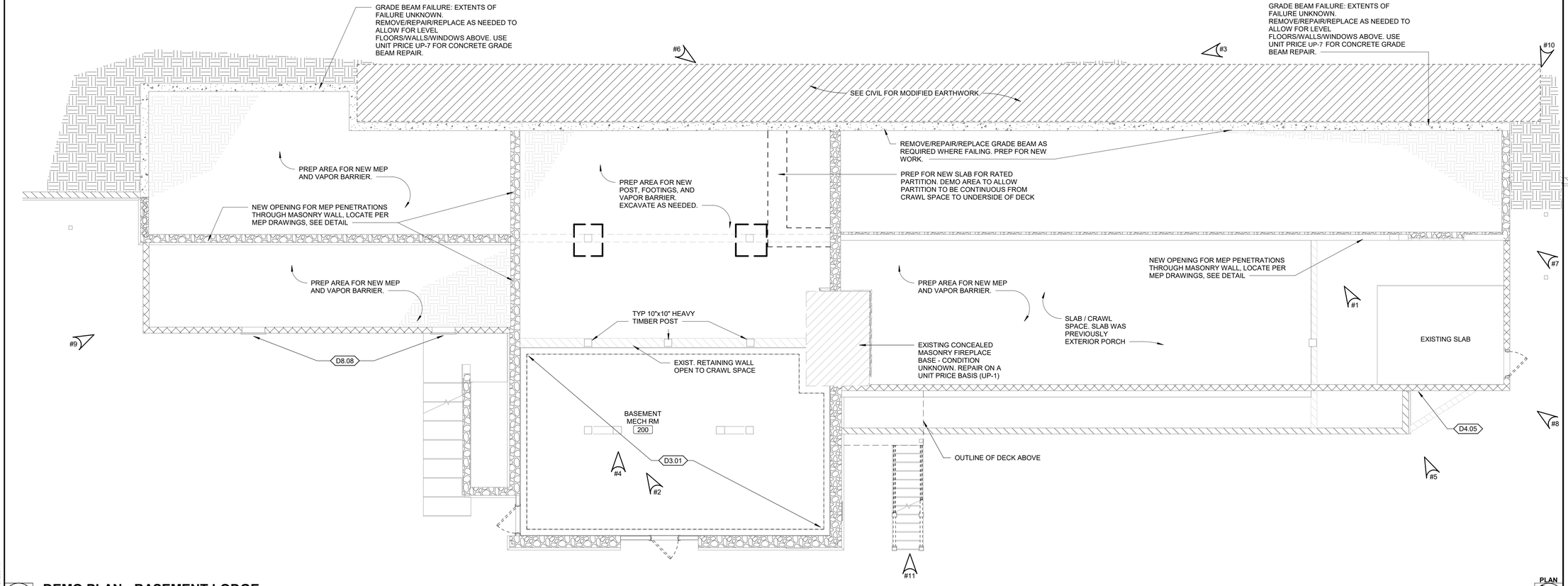
#3: LODGE, NORTH ELEVATION



#2: LODGE BASEMENT



#1: LODGE BASEMENT



1 **DEMO PLAN - BASEMENT LODGE**

SCALE: 3/16" = 1'-0"

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STATE OF MISSOURI
MIKE KEHOE
GOgovernor

NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT
STATE OF MISSOURI

Date: 11/26/2025

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#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

DEMO PLANS - BASEMENT LODGE

SHEET NUMBER:

A-102



#9: LODGE BEDROOM



#6: LODGE SOUTH/WEST CORNER



#4: LODGE GREAT ROOM



#2: LODGE DINING ROOM



#8: LODGE BATHROOM



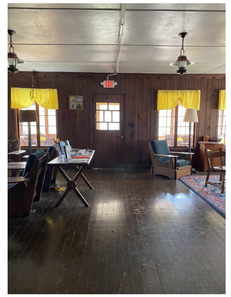
#7: LODGE NORTH SIDE



#5: LODGE NORTH/EAST CORNER



#3: LODGE DINING ROOM



#1: LODGE GREAT ROOM

DEMOLITION KEYNOTES (BY DIVISION) D#.#

DIVISION 03 CONCRETE	
D3.05	EXISTING CONCRETE FLOOR TO BE GRINDED DOWN TO APPROXIMATELY 2" BELOW EXIST. KITCHEN FINISH FLOOR. CREATE ROUGH TEXTURE IN PREPARATION FOR NEW CONCRETE TOPPING.
D3.08	REMOVE CONCRETE SLAB AT DOOR. PREPARE GROUND FOR NEW WORK, SEE CIVIL
DIVISION 05 METALS	
D5.01	REMOVE HANDRAIL. GRIND POSTS FLUSH WITH CONCRETE AND PATCH VOIDS IN SLAB AND/OR SIDING FROM HANDRAIL REMOVAL.
DIVISION 06 WOOD, PLASTICS, COMPOSITES	
D6.01	REMOVE ALL CASEWORK, SHELVING AND ASSOCIATED COMPONENTS.
D6.05	REMOVE COLUMN WRAP AND ABANDON ELECTRICAL.
D6.06	WALL AND SUPPORTING STRUCTURE TO BE STABILITIZED. REPAIR OR REPLACE EXISTING FRAMING MEMBERS AS REQ'D, COORDINATE WITH ARCHITECT AND STRUCTURAL ENGINEER
D6.07	EXISTING EXTERIOR WOOD STAIR TO REMAIN
D6.08	REMOVE RAILS, BALUSTERS, AND ASSOCIATED CORNER POSTS ABOVE DECKING. PREP AREA FOR NEW POSTS, RAILS AND BALUSTERS, SEE DETAILS.
D6.09	REMOVE WOOD BUMPOUTS. PREPARE FOR NEW SIDING.
DIVISION 08 OPENINGS	
D8.01	PATCH AND REPAIR SCREENS AND FRAMES AS REQ'D.
D8.02	REMOVE WINDOW AND PREP OPENING TO RECEIVE NEW WINDOW.
D8.04	REMOVE DOOR/WINDOW, FRAME, AND HARDWARE IN ITS ENTIRETY. PREP AREA FOR INFILL W/ SIMILAR WALL CONSTRUCTION AND FINISH TO MATCH ADJACENT SURFACES.
D8.05	NEW / MODIFIED OPENING IN EXISTING EXTERIOR WALL. MODIFY PER STRUCTURAL. PATCH/INSTALL NEW TRIM, SIDING, AND INTERIOR FINISHES AS NEEDED. CONTRACTOR TO TAKE SPECIAL CARE TO MAINTAIN INTERIOR AND EXTERIOR FINISHES TO REMAIN. OWNER MAY SALVAGE HARDWARE WHERE DESIRED. INFILL OPENING W/ SIMILAR WALL CONSTRUCTION AND FINISH TO MATCH ADJACENT SURFACES.
D8.06	REMOVE AND REPLACE OR REPAIR LOUVER TO MATCH EXISTING. EXISTING LOUVER, SEE ELEVATIONS FOR ADDITIONAL INFORMATION.
DIVISION 09 FINISHES	
D9.01	REMOVE FLOORING MATERIAL DOWN TO SUBFLOOR AND ASSOCIATED ITEMS. REPAIR DAMAGED SUBFLOOR AS REQ'D. PREPARE FLOOR FOR NEW FINISHES AS NOTED ON INTERIOR FINISH DRAWINGS.
D9.12	REMOVE GYPSUM WALL BOARDS FROM EXISTING WALLS. PREPARE FOR NEW WORK.
D9.13	REMOVE RECESSED WALL SHELVES AND TRIM.
D9.14	REMOVE WOOD WALL PANELING, CROWN MOLDING, SCALLOP TRIM AND/OR CHAIR RAIL (WHERE APPLICABLE) AND SALVAGE FOR REUSE. COORDINATE STORAGE LOCATION OF WOOD WITH OWNER. PREPARE WALL FOR NEW FINISHES AS INDICATED IN FINISH DRAWINGS.
D9.15	REMOVE WOOD SCALLOP MOLDING. SALVAGE PANELING AND WOOD CASING FOR FUTURE USE. SEE FINISH DRAWING.
D9.17	REMOVE WALL IN ITS ENTIRETY.
D9.20	CAREFULLY REMOVE EXISTING MANTEL AND PREPARE SURFACE FOR NEW WORK
D9.21	CAREFULLY REMOVE ANY DAMAGED WOOD FLOOR PLANKS AND REPLACE WITH NEW - PREP FLOOR TO BE REFINISHED AS INDICATED ON INTERIORS DRAWINGS.
D9.22	REMOVE ALL SIDING AND PREPARE WALL TO RECEIVE NEW INSULATION AND SIDING
DIVISION 11 EQUIPMENT	
D11.01	REMOVE EXISTING EQUIPMENT.
DIVISION 22 PLUMBING	
D22.01	REMOVE EXISTING PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR ASSOCIATED WORK
DIVISION 23 HEATING, VENTILATING, AND AIR CONDITIONING	
D23.01	REMOVE THRU-WALL AIR CONDITIONER. PREPARE FOR NEW WORK.

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E. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS.

F. EXISTING ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC, TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.

G. PROTECT ALL FINISHES TO REMAIN FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION.

H. PRIOR TO DEMOLITION, ENSURE THE STABILITY OF ANY WALLS TO REMAIN.

I. DEMOLITION OF FLOOR FINISHES INCLUDES REMOVAL OF ADHESIVES, GROUTING BEDS, RESILIENT BASE, ETC.

J. ALL EXISTING WOOD FLOORING AND WALL PANELING SCHEDULED TO BE REMOVED SHALL BE SALVAGED FOR USE IN THIS PROJECT. STORE AND PROTECT IN CONDITIONED SPACE.

K. REMOVAL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, ETC. LINES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS.

L. REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS.

M. REMOVAL OF EXISTING ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING DEVICES, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE OUTLETS AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.

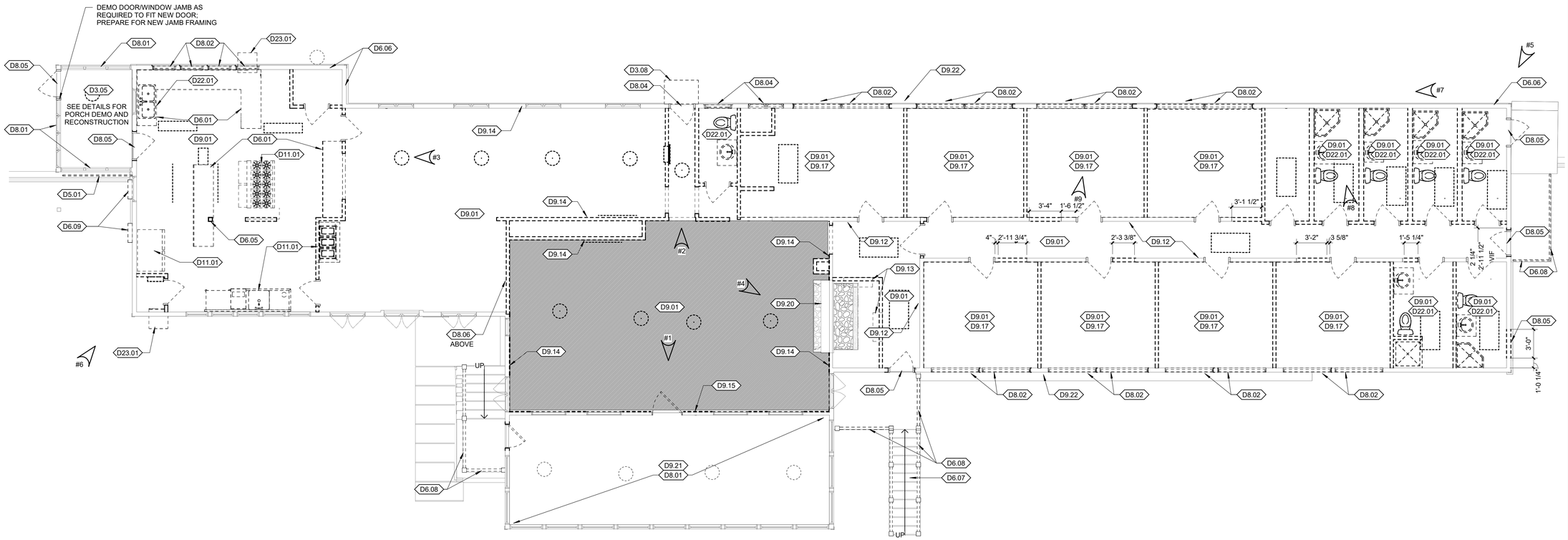
N. HAZARDOUS MATERIALS INCLUDING, BUT NOT LIMITED TO; ASBESTOS AND/OR LEAD PAINT, IF ENCOUNTERED ON THE PROJECT SITE, THE CONTRACTOR SHALL ENGAGE A TESTING COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE ABATEMENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABATEMENT CONTRACTOR. SEE APPENDIX IN SPECIFICATIONS.

O. REMOVE / REPLACE EXPOSED FASCIA BOARDS, CORNER BOARDS, TRIM RAILS, BALUSTERS & RAFTER TAILS TO MATCH EXISTING.

P. SEE SCHEDULES AND FLOOR PLANS FOR DOOR AND WINDOW INFORMATION ON DEMOLITION, SALVAGING, REPLACING, FINISHES, OPERABILITY AND SIZING.

Q. WHERE WINDOWS ARE SCHEDULED TO BE PAINTED, IF ANY LEAD PAINT ENCOUNTERED ON AN EXISTING WINDOW FINISH, ABATEMENT COMPANY TO COLLECT CHIPPED PAINT FLAKES PRIOR TO PROVIDING NEW FINISHES.

R. REPAIR AND REPLACE FASCIA AS REQUIRED. ADD NEW FASCIA WHERE RAFTER TAILS ARE EXPOSED. PAINT TO MATCH EXISTING.



1 **DEMO PLAN - FIRST FLOOR LODGE**

SCALE: 3/16" = 1'-0"

0 2 4 8

PLAN NORTH

11/25/2025 3:48:59 PM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☒	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

DEMO PLANS - FIRST FLOOR LODGE

SHEET NUMBER:

A-103

SHEET 110 of 219
ISSUE DATE 11/26/2025



#5: FAMILY CABIN, EXTERIOR SOUTH WEST VIEW



#4: FAMILY CABIN, EXTERIOR SOUTH EAST VIEW



#3: FAMILY CABIN, EXTERIOR EAST VIEW



#2:FAMILY CABIN, EXTERIOR NORTH VIEW



#1: FAMILY CABIN, INTERIOR WEST VIEW



#3: GAMEROOM BUILDING, EXTERIOR ENTRY



#2: GAMEROOM BUILDING, FIRE PLACE



#1: GAMEROOM BUILDING, INTERIOR



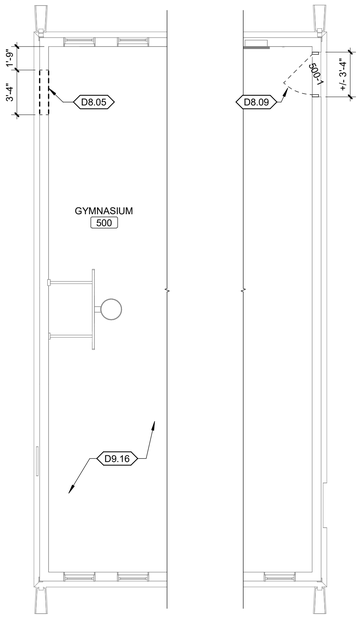
#2: BATHROOM BUILDING, EXTERIOR



#1: BATHROOM BUILDING, INTERIOR

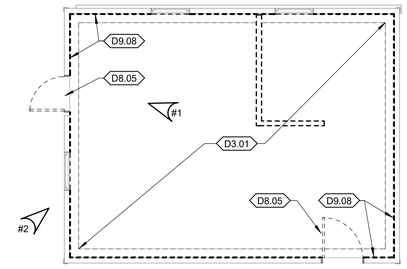


GYM FLOOR



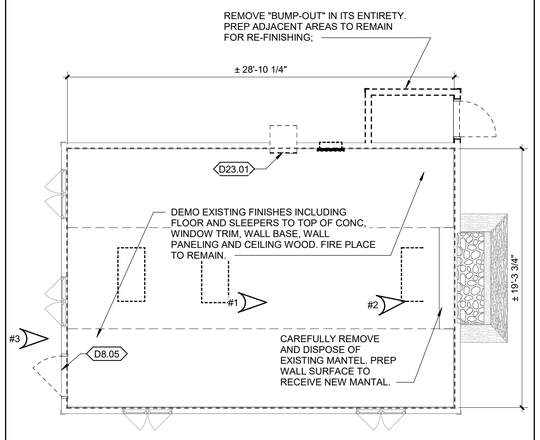
4 DEMO PLAN - GYMNASIUM

SCALE: 3/16" = 1'-0"



3 DEMO PLAN - FIRST FLOOR RESTROOM

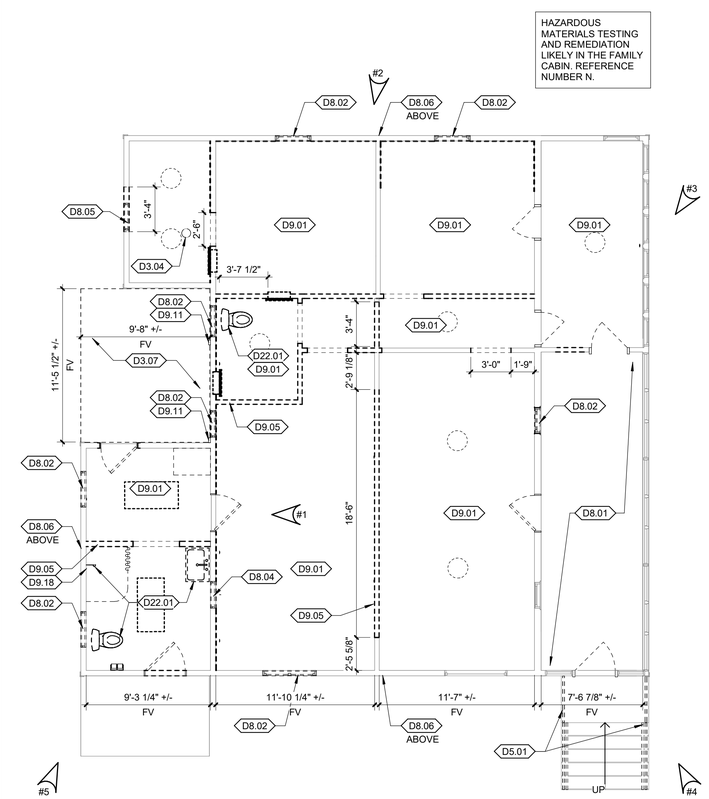
SCALE: 3/16" = 1'-0"



2 DEMO PLAN - FIRST FLOOR GAME ROOM - ALTERNATE #3

SCALE: 3/16" = 1'-0"

HAZARDOUS MATERIALS TESTING AND REMEDIATION LIKELY IN THE FAMILY CABIN. REFERENCE NUMBER N.



1 DEMO PLAN - FIRST FLOOR FAMILY CABIN - ALTERNATE #2

SCALE: 3/16" = 1'-0"

0 2 4 8

PLAN NORTH

DEMOLITION GENERAL NOTES

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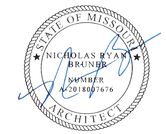
DEMOLITION KEYNOTES (BY DIVISION) D#.#

DIVISION 03 CONCRETE	
D3.01	REMOVE SLAB 8" OFFSET FROM EXTERIOR WALLS. EXTERIOR WALLS AND FOUNDATION TO REMAIN INTACT. PREPARE FOR NEW SLAB.
D3.04	REMOVE PORTION OF CONCRETE SLAB FOR FLOOR DRAIN.
D3.07	REMOVE STONE PATIO IN ITS ENTIRETY. PREPARE FOR NEW CONCRETE PATIO WORK.
DIVISION 05 METALS	
D5.01	REMOVE HANDRAIL. GRIND POSTS FLUSH WITH CONCRETE AND PATCH VOIDS IN SLAB AND/OR SIDING FROM HANDRAIL REMOVAL.
DIVISION 08 OPENINGS	
D8.01	PATCH AND REPAIR SCREENS AND FRAMES AS REQ'D.
D8.02	REMOVE WINDOW AND PREP OPENING TO RECEIVE NEW WINDOW.
D8.04	REMOVE DOOR/WINDOW, FRAME, AND HARDWARE IN ITS ENTIRETY. PREP AREA FOR INFILL W/ SIMILAR WALL CONSTRUCTION AND FINISH TO MATCH ADJACENT SURFACES.
D8.05	NEW / MODIFIED OPENING IN EXISTING EXTERIOR WALL. MODIFY PER STRUCTURAL. PATCH/INSTALL NEW TRIM, SIDING, AND INTERIOR FINISHES AS NEEDED. CONTRACTOR TO TAKE SPECIAL CARE TO MAINTAIN INTERIOR AND EXTERIOR FINISHES TO REMAIN. OWNER MAY SALVAGE HARDWARE WHERE DESIRED. INFILL OPENING W/ SIMILAR WALL CONSTRUCTION AND FINISH TO MATCH ADJACENT SURFACES.
D8.06	REMOVE AND REPLACE OR REPAIR LOUVER TO MATCH EXISTING. EXISTING LOUVER, SEE ELEVATIONS FOR ADDITIONAL INFORMATION.
D8.09	REMOVE DOOR, FRAME, AND HARDWARE IN ITS ENTIRETY. PREP AREA FOR FOR NEW DOOR AND FRAME.
DIVISION 09 FINISHES	
D9.01	REMOVE FLOORING MATERIAL DOWN TO SUBFLOOR AND ASSOCIATED ITEMS. REPAIR DAMAGED SUBFLOOR AS REQ'D. PREPARE FLOOR FOR NEW FINISHES AS NOTED ON INTERIOR FINISH DRAWINGS.
D9.05	REMOVE WALL IN ITS ENTIRETY. PATCH VOID FROM WALL REMOVAL TO MATCH ADJACENT CONSTRUCTION, PREPARE FOR NEW WORK
D9.08	REMOVE INTERIOR FINISH MATERIAL. PREPARE WALLS FOR NEW INSULATION AND VAPOR BARRIER.
D9.11	REMOVE ALL EXISTING TRIM BOARD. PATCH AND/OR REPLACE SIDING AS REQ'D. MATCH EXISTING PROFILE AND PREPARE FOR PAINT.
D9.16	SEE FLOOR AND FINISH PLANS FOR GYM FLOORING REFINISHING SCOPE.
D9.18	REMOVE MELAMINE WALL PANEL, PATCH WALL AS REQ'D AND PREPARE FOR NEW FINISHES.
DIVISION 22 PLUMBING	
D22.01	REMOVE EXISTING PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR ASSOCIATED WORK
DIVISION 23 HEATING, VENTILATING, AND AIR CONDITIONING	
D23.01	REMOVE THRU-WALL AIR CONDITIONER. PREPARE FOR NEW WORK.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR



Date: 11/26/2025

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
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Gymnasium	7815232011	☒	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☒	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

DEMO PLANS - RESTROOM, GAME ROOM, FAMILY CABIN, & GYM

SHEET NUMBER:

A-104

SHEET 111 of 219
ISSUE DATE 11/26/2025

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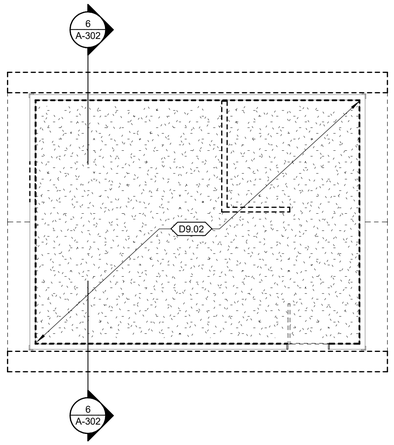
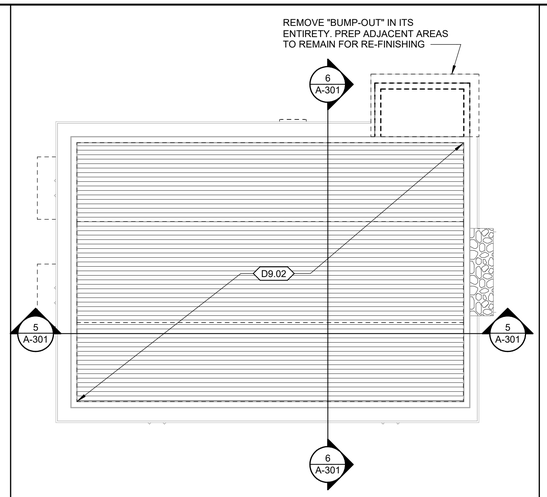


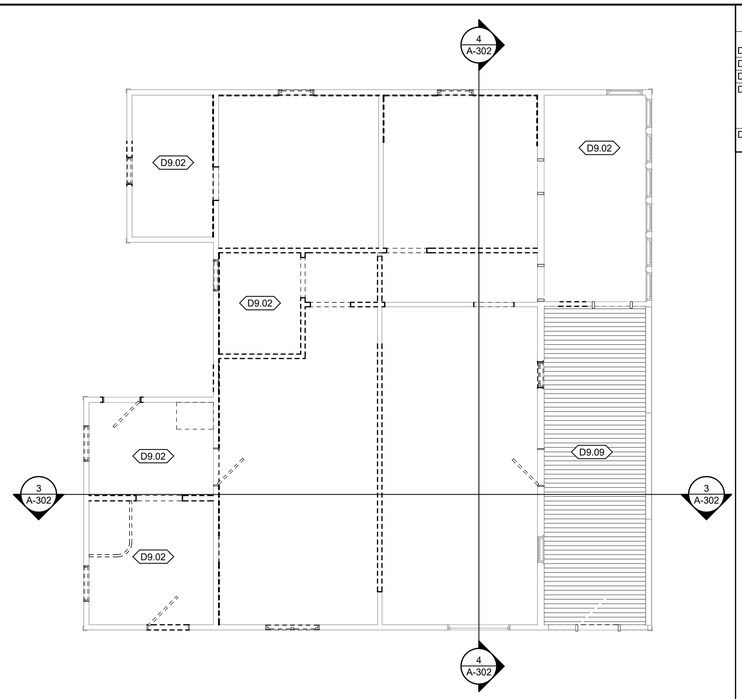
4 RESTROOM FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN

SCALE: 3/16" = 1'-0"



3 GAME ROOM FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN - ALTERNATE #3

SCALE: 3/16" = 1'-0"

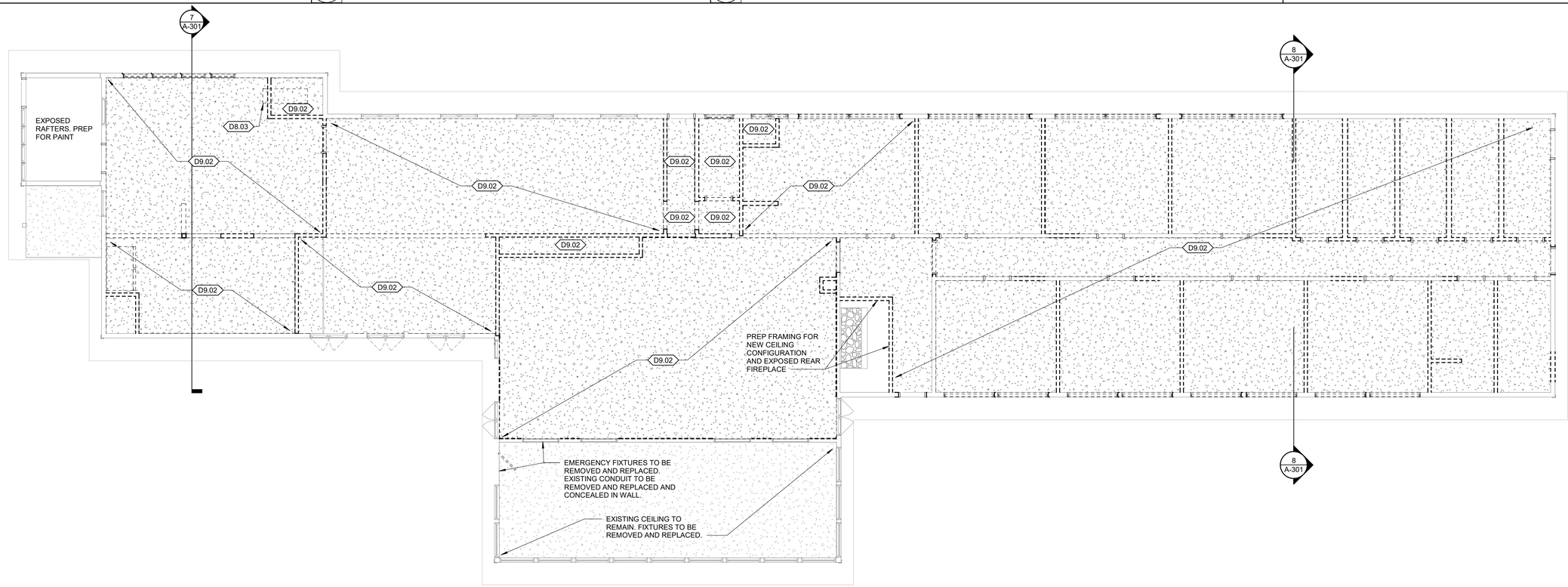


2 FAMILY CABIN FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN - ALTERNATE #2

SCALE: 3/16" = 1'-0"

DEMOLITION KEYNOTES (BY DIVISION) D#.#

DIVISION 08 OPENINGS	
D8.03	DEMO ROOF ABOVE FOR NEW HOOD PENETRATION
DIVISION 09 FINISHES	
D9.02	REMOVE EXISTING CEILING, LIGHT FIXTURES, HANGERS AND WIRES IN THEIR ENTIRETY. SEE MECHANICAL & ELECTRICAL DRAWINGS FOR ASSOCIATED WORK. PATCH WALLS TO MATCH ADJACENT SURFACES WHERE DAMAGED BY REMOVAL OF EXISTING PERIMETER ANGLE.
D9.09	REMOVE CEILING AND ASSOCIATED TRIM. PREP FOR NEW CEILING AND TRIM TO MATCH EXISTING.



1 LODGE FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN

SCALE: 3/16" = 1'-0"

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STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

NICHOLAS RYAN BRUNER
NUMBER
A-2018007676
ARCHITECT
STATE OF MISSOURI

Date: 11/26/2025

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Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

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DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

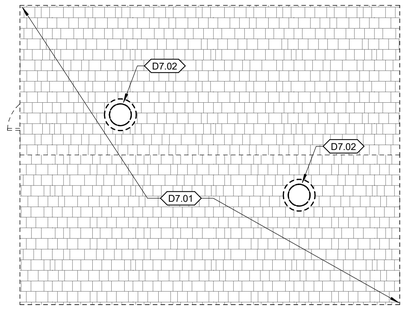
SHEET TITLE:

DEMO REFLECTED CEILING PLANS - RESTROOM, GAME ROOM, FAMILY CABIN & FIRST FL LODGE

SHEET NUMBER:

A-105

SHEET 112 of 219
ISSUE DATE 11/26/2025

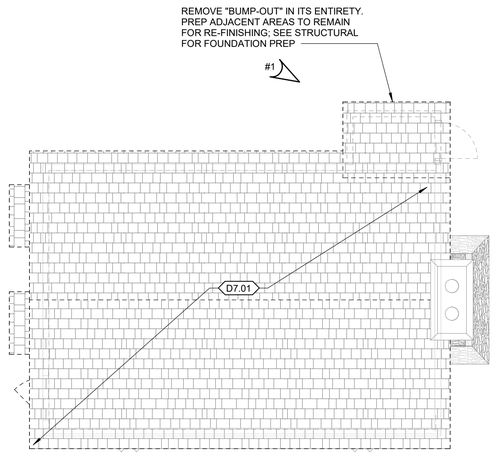


1 DEMO ROOF PLAN - FIRST FLOOR RESTROOM

SCALE: 3/16" = 1'-0"

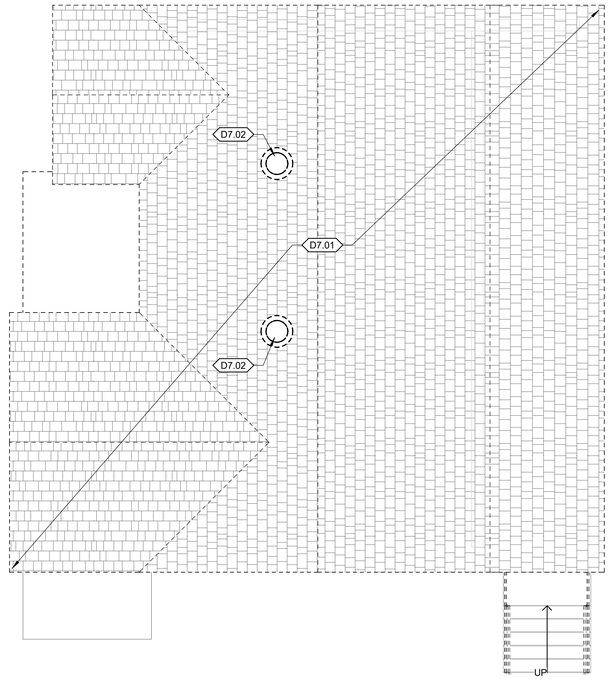


#1: GAMEROOM BUILDING, EXTERIOR NORTH VIEW



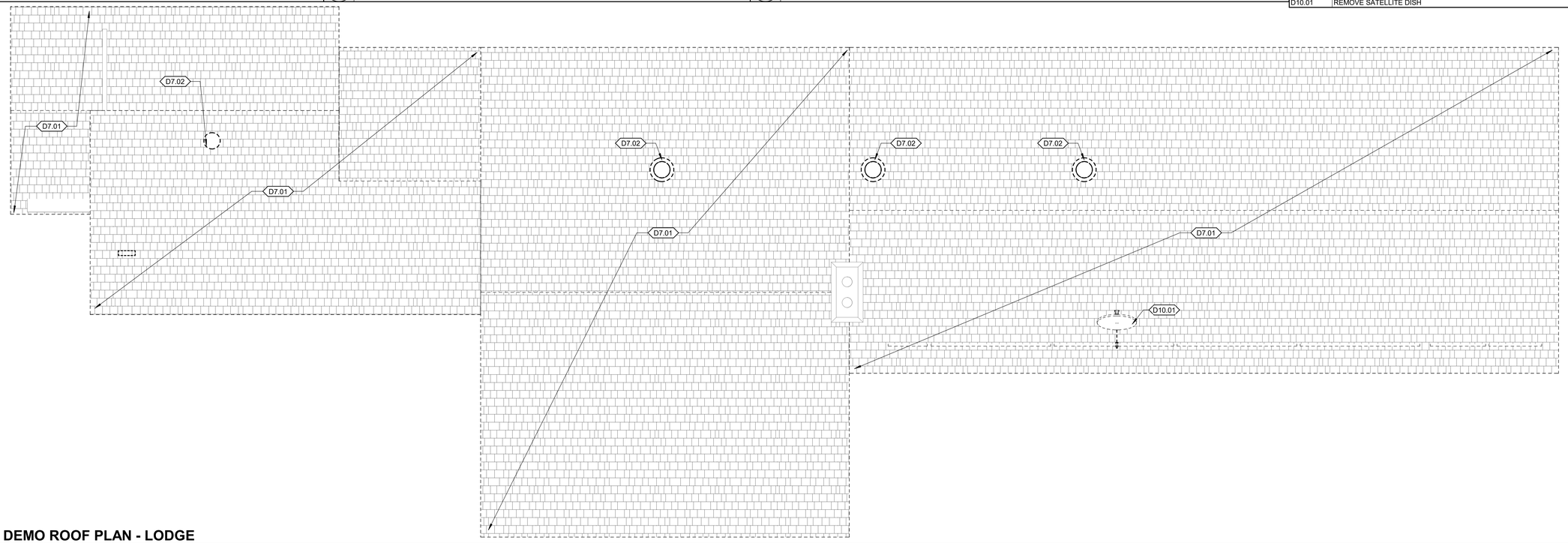
2 DEMO ROOF PLAN - GAME ROOM - ALTERNATE #3

SCALE: 3/16" = 1'-0"



3 DEMO ROOF PLAN - FAMILY CABIN - ALTERNATE #2

SCALE: 3/16" = 1'-0"



4 DEMO ROOF PLAN - LODGE

SCALE: 3/16" = 1'-0"

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DEMOLITION KEYNOTES (BY DIVISION) D#.#

DIVISION 07 THERMAL AND MOISTURE PROTECTION	
D7.01	REMOVE ROOF SHINGLES, DAMAGED ROOF FASCIA BOARD, AND DAMAGED ROOF TRUSS MEMBERS. USE UP-2 FOR UNIT PRICING. PATCH ROOF SHEATHING AS REQ'D AND PREPARE FOR NEW WORK. INFILL ABANDONED PENETRATIONS.
D7.02	REMOVE ROOF VENT AND ASSOCIATED ELEMENTS. PATCH ROOF SHEATHING AS REQ'D AND PREPARE FOR NEW WORK.
DIVISION 10 SPECIALTIES	
D10.01	REMOVE SATELLITE DISH

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☒	(2B)Cabin F	7815232007	☐
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RR Building	7815232014	☒	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

DEMO ROOF PLANS - FIRST FLOOR RESTROOM, GAME ROOM, FAMILY CABIN & LODGE

SHEET NUMBER:

A-106

SHEET 113 of 219
ISSUE DATE 11/26/2025

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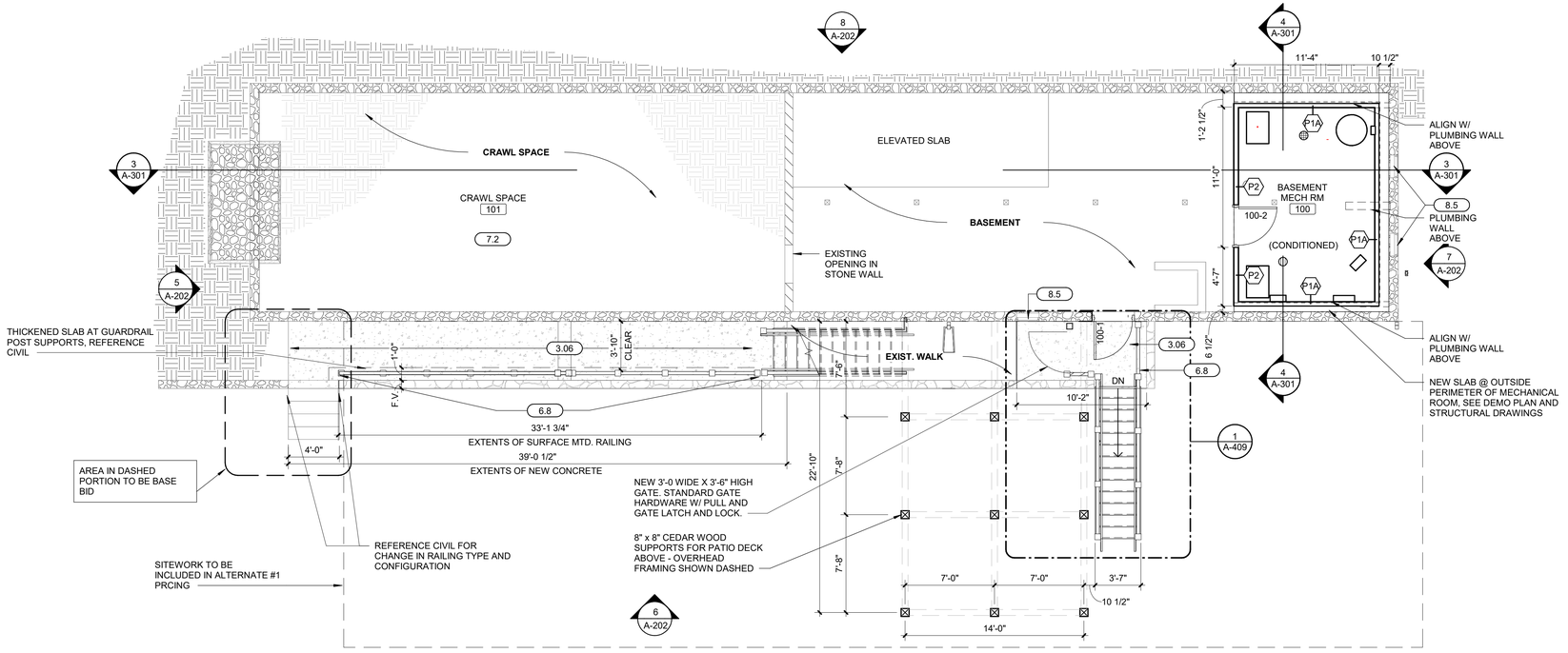
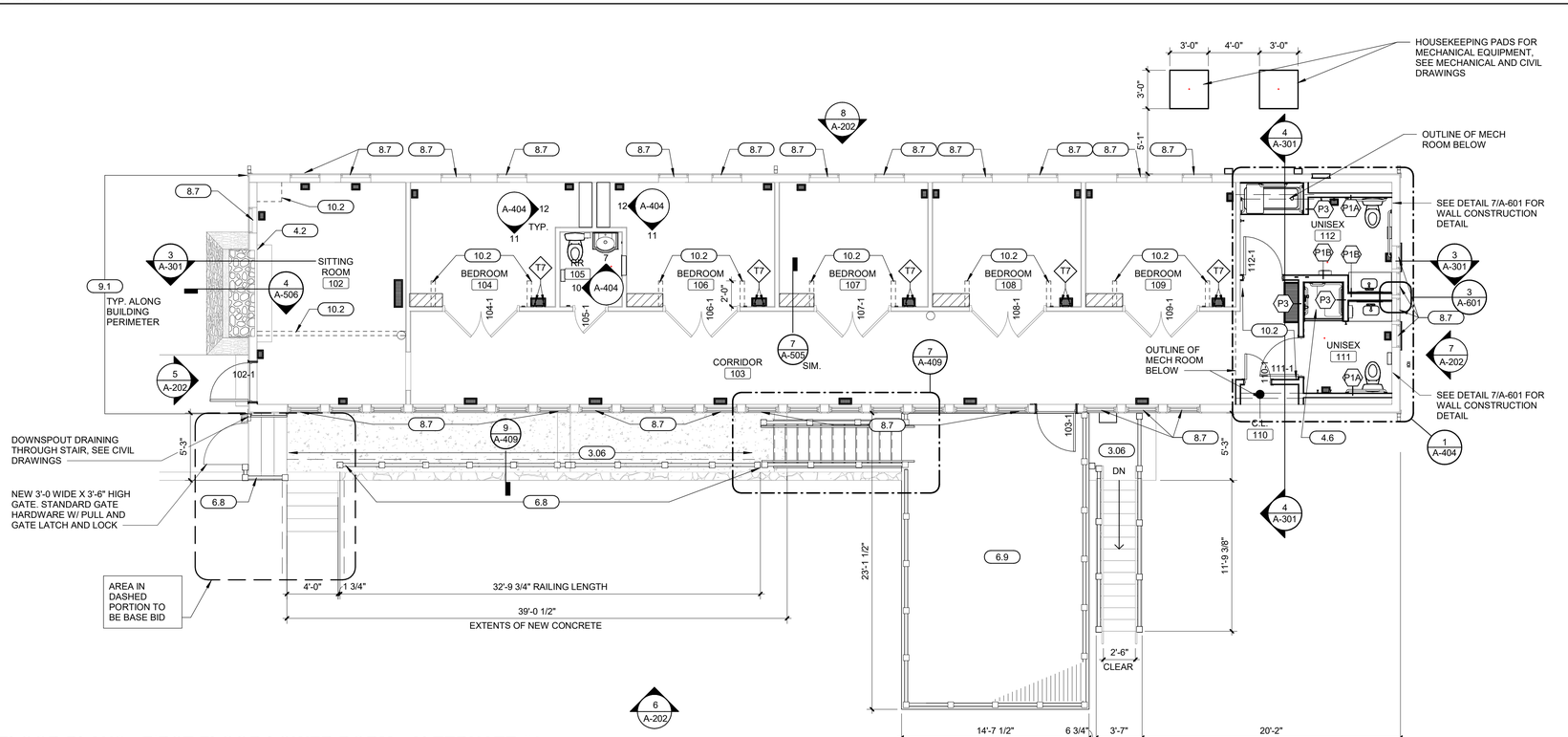


2 FLOOR PLANS - BASEMENT LOWER DORM - ALTERNATE #1

SCALE: 3/16" = 1'-0"



1 FLOOR PLANS - FIRST FLOOR LOWER DORM - ALTERNATE #1

SCALE: 3/16" = 1'-0"

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PLAN GENERAL NOTES

A. INTERIOR PARTITIONS ARE TYPE P1 UNLESS NOTED OTHERWISE OR SHOWN.

B. AT RESTROOM BUILDING, SIDING TO REMAIN, INSULATE 2x4 WALLS WITH BATT INSULATION ± R-13, R-38 ROOF INSULATION. ALL INTERIOR WALLS BETWEEN TOILET ROOMS SHALL HAVE SOUND ATTENUATION INSULATION IN STUD CAVITY.

C. ALL DIMENSIONS ARE TO FACE OF STUD, CMU AND/OR CONCRETE UNLESS NOTED OTHERWISE.

D. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

E. ALL NEW WORK SHALL BE PLUMB TRUE, AND LEVEL UNLESS OTHERWISE NOTED.

F. EXTEND FIRE RESISTANT CONSTRUCTION TO STRUCTURE ABOVE. EXTEND PARTITIONS AROUND EQUIPMENT, CABINETS, AND OTHER ITEMS THAT PENETRATE THESE PARTITIONS AND FILL VOIDS IN PARTITIONS ABOVE CEILING TO MAINTAIN DESIGNATED FIRE RESISTANCE. SEE LIFE SAFETY SHEET(S) FOR FURTHER FIRE AND SMOKE RESISTANCE INFORMATION.

G. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF

H. ALL APPLIANCES ARE TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED OR SHOWN.

I. VERIFY ALL APPLIANCE DIMENSIONS PRIOR TO FINAL MILLWORK CONSTRUCTION.

J. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.

K. REPAIR/REFINISH ALL WINDOWS. SEE INTERIORS FOR FINISH INFORMATION.

L. REPLACE ALL EXTERIOR WINDOW SCREENS.

M. REPLACE ALL EXTERIOR WINDOW MOLDING. PAINT TO MATCH EXISTING.

N. EXTEND FIRE RESISTANT CONSTRUCTION TO STRUCTURE ABOVE. EXTEND PARTITIONS AROUND EQUIPMENT, CABINETS, AND OTHER ITEMS THAT PEN

O. ALL WALLS SURROUNDING BATHROOMS, MECHANICAL/STORAGE ROOMS AND BEDROOMS TO BE INSULATED W/ BATT INSULATION TO FILL STUD CAVITIES.

P. USE MOISTURE RESISTANT 5/8" GYP AROUND ALL MECHANICAL ROOMS AND IN BATHROOMS. MAINTAIN FIRE RATING AS NOTED.

Q. AT FLOOR DRAIN LOCATIONS, SLOPE CONCRETE FLOOR TOWARDS DRAIN.

R. NEW GRILLES TO MATCH EXISTING COLOR AND STYLE. ABANDONED GRILLES AT WOOD FLOORS TO REMAIN AND BE SEALED WITH PLYWOOD BELOW PAINTED BLACK. ABANDONED GRILLES AT ALL OTHER AREAS IN LEVEL 3 ALTERATIONS TO BE PATCHED AND SEALED WITH FINISH TO MATCH SURROUNDING AREA. CONTRACTOR TO UTILIZE EXISTING GRILLES WHERE POSSIBLE.

S. MASONRY SUB TO REVIEW ALL AREAS OF TUCKPOINTING WORK AND MAKE DETERMINATIONS ON AREAS OF CORRECTION PRIOR TO STARTING WORK.

KEYNOTES (BY DIVISION) x.x

DIVISION 03	
3.06	NEW 4" CONCRETE TOPPING BONDED TO EXISTING GRINDED CONCRETE. FINISH ELEVATIONS TO MATCH ORIGINAL FINISH ELEVATIONS. ENSURE POSITIVE DRAINGAGE AWAY FROM BUILDING.
DIVISION 04	
4.2	CLEAN ALL EXISTING STONE. TUCKPOINT STONE AS REQ'S. (UP-1) MATCH EXISTING GROUT COLOR AND AGGREGATE. REFINISH MANTLE. INSTALL NEW GAS FIREPLACE INSERT
4.6	APPLY MINIMUM OF 1/8" MORTAR BED OVER CONCRETE FOR SHOWER BASE
DIVISION 06	
6.8	NEW SURFACE MOUNTED WOOD GUARDRAIL SYSTEM TO MATCH EXISTING ON SITE RAILING - SEE DETAILS
6.9	1" TONGUE AND GROOVE COMPOSITE DECKING OVER DOUGLAS FIR DECK FRAMING
DIVISION 07	
7.2	FURNISH AND INSTALL VAPOR BARRIER. SEE TYPICAL DETAILS.
DIVISION 08	
8.5	EXISTING WINDOW TO BE LEFT IN PLACE, PAINTED AND REPAIRED AS NEEDED. WINDOW SHALL NOT BE OPERABLE.
8.7	WINDOW TO BE PATCHED, REPAIRED, PAINTED AND MADE TO FUNCTION AS ORIGINALLY INTENDED.
DIVISION 09	
9.1	EXISTING WOOD SIDING AND TRIM: PATCH AND REPAIR AS REQUIRED (UP-3); NEW SIDING PROFILE TO MATCH EXISTING; PAINT TO MATCH PARK STANDARD.
DIVISION 10	
10.2	NEW WOOD FLOOR INFILL WHERE REQUIRED TO MATCH EXISTING STAIN AND HARDWOOD SPECIES. PATCH AND REPAIR CEILING AS REQ'D TO MATCH EXISTING AT DEMOLISHED WALLS AND REFINISH.

EXISTING FOUNDATION WALL TYPES

- EXISTING HISTORIC EXTERIOR STALAGTITE/ STALAGMITE
- EXISTING STONE WALL
- EXISTING CMU BLOCK

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DESIGNED BY: NRB

SHEET TITLE:

FLOOR PLANS - BASEMENT & FIRST FLOOR LOWER DORM - ALTERNATE #1

SHEET NUMBER:

A-107

SHEET 114 of 219
ISSUE DATE 11/26/2025



IMAGE OF EXTERIOR CHIMNEY

ROOF GENERAL NOTES

A. COORDINATE ALL ROOF PENETRATION REQUIREMENTS, INCLUDING THOSE THAT MAY NOT BE SHOWN, WITH ROOFING CONTRACTOR, AND MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.

B. ALL ROOF PENETRATIONS TO BE IN COMPLIANCE WITH MANUFACTURER AND NRCA REQUIREMENTS.

C. ROOFING COMPONENTS MAY VARY DEPENDING ON ROOFING MANUFACTURER. CONTRACTOR SHALL INSTALL A COMPLETE CODE COMPLIANT AND WARRANTIED ROOFING SYSTEM BASED ON THE SPECIFIED ROOFING MANUFACTURERS WRITTEN INSTRUCTIONS AND INSTALLATION GUIDELINES.

D. ROOFING INSULATION THERMAL LETTER-VALUE AND CORRESPONDING R-VALUE MAY VARY DEPENDING ON INSULATION MANUFACTURER. ROOFING CONTRACTOR TO CONSULT INSULATION MANUFACTURERS WRITTEN DOCUMENTATION AND PROVIDE A ROOF INSULATION THICKNESS TO MEET OR EXCEED THE IECC REQUIREMENT.

E. PROVIDE MINIMUM 15'-0" CLEARANCE FROM ANY INTAKE FOR ALL EQUIPMENT AND VENT STACKS. ALERT DESIGN PROFESSIONAL OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

F. ONCE ROOF WORK BEGINS, THE CONTRACTOR IS ACCEPTING ALL CONDITIONS AND WILL BE RESPONSIBLE FOR ALL DEMOLITION AND NEW WORK REQUIRED TO PROVIDE A WATERTIGHT ROOF SYSTEM.

G. THE CONTRACTOR SHALL ENSURE THAT UPON COMPLETION OF ROOF WORK, ALL GUTTERS, DOWNSPOUTS ARE CLEAN AND CLEAR OF DEBRIS TO PROVIDE AN UNOBSTRUCTED, FREE FLOW OF WATER.

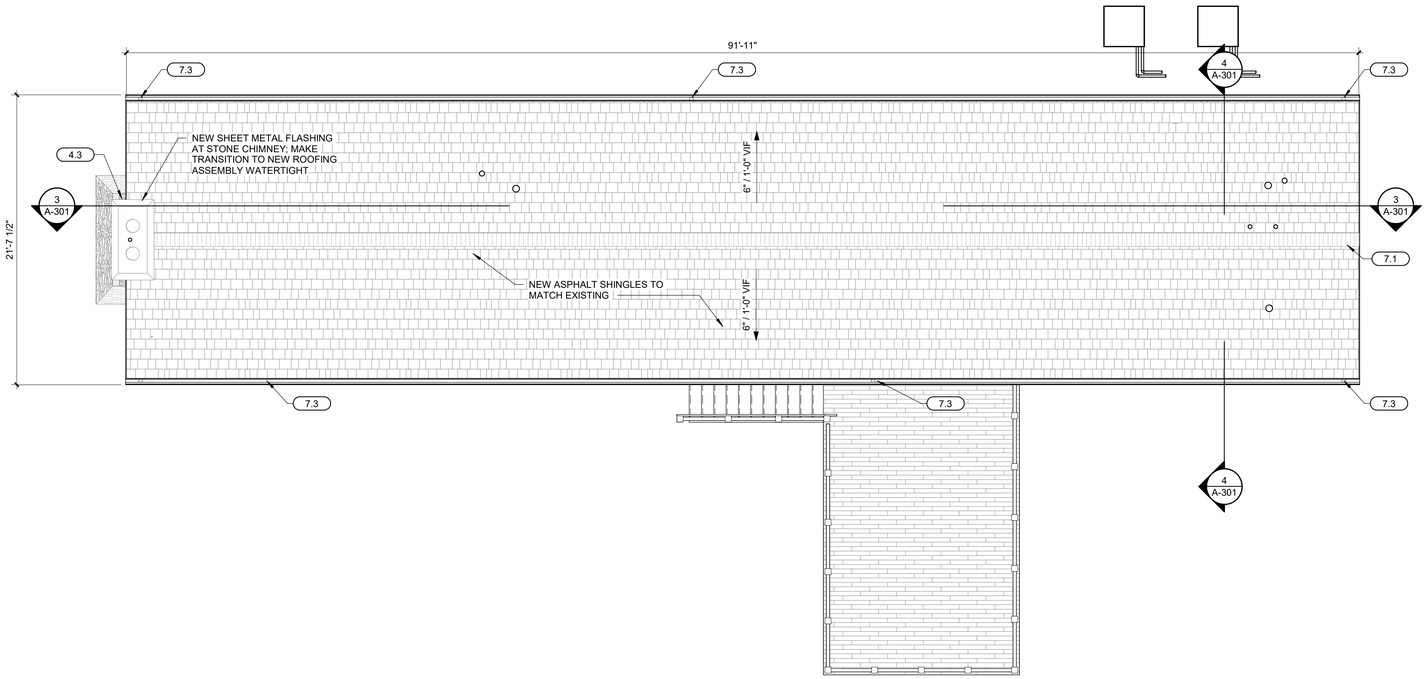
H. ALL CHIMNEY CAPS AND FLUE VENTS TO BE INSPECTED AND REPAIRED AS NEEDED. INSTALL NEW PRECAST STONE CAP AT LODGE AND OTHER LOCATIONS WHERE CHIMNEY CAPS ARE FAILING. INSTALL DECORATIVE CAP OVER FLUE VENTS. MAKE WATER TIGHT.

ROOF PLAN LEGEND

SLOPE= X / XX	INDICATES ROOF SLOPE
	ROOF CRICKET
	TYP VENT THRU ROOF

KEYNOTES (BY DIVISION) X.X

DIVISION 04	
4.3	**CLEAN AND TUCKPOINT ALL EXISTING STONE. MATCH EXISTING GROUT COLOR AND AGGREGATE.**
DIVISION 07	
7.1	**SHINGLE OVER RIDGE VENT.**
7.3	**NEW FASCIA, SOFFIT, GUTTER (WHERE APPLICABLE) WITH LEAF GUARD - CAP EXPOSED ENDS**



1 **ROOF PLAN - LOWER DORM - ALTERNATE #1**

SCALE: 3/16" = 1'-0"

0 2 4 8

PLAN NORTH

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ROOF PLANS - LOWER DORM - ALTERNATE #1

SHEET NUMBER:

A-108

SHEET 115 of 219
ISSUE DATE 11/26/2025

KEYNOTES (BY DIVISION) x.x

DIVISION 03	
3.2	**NEW CONCRETE SLAB AND VAPOR BARRIER. SEE STRUCTURAL FOR DETAILS.**
DIVISION 04	
4.1	**REPAIR CMU WALL, SEE STRUCTURAL.**
DIVISION 06	
6.5	**FURNISH AND INSTALL CODE COMPLIANT RAILING AND GUARDRAIL, SEE DETAILS ON A-409.**
DIVISION 07	
7.2	**FURNISH AND INSTALL VAPOR BARRIER. SEE TYPICAL DETAILS.**
DIVISION 08	
8.5	**EXISTING WINDOW TO BE LEFT IN PLACE, PAINTED AND REPAIRED AS NEEDED. WINDOW SHALL NOT BE OPERABLE.**

EXISTING FOUNDATION WALL TYPES

EXISTING HISTORIC EXTERIOR STALAGTITE/ STALAGMITE

EXISTING STONE WALL

EXISTING CMU BLOCK

PLAN GENERAL NOTES

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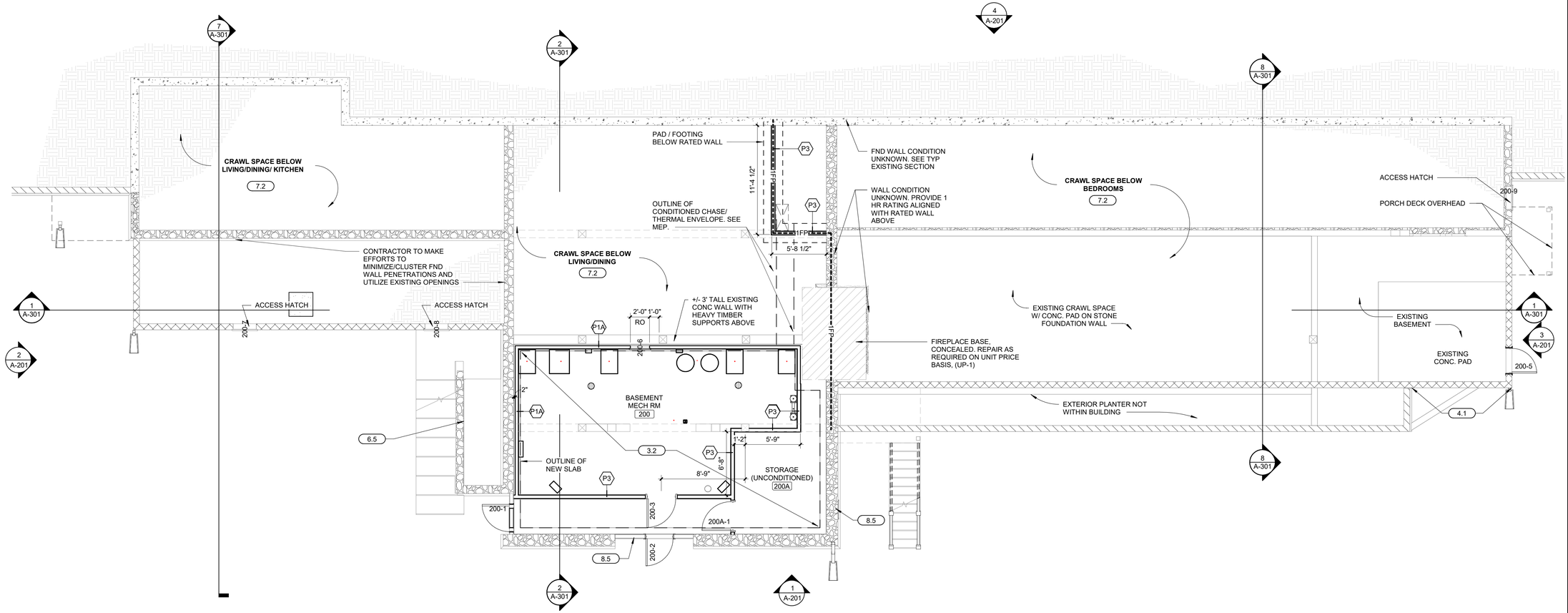

1 **FLOOR PLANS - BASEMENT LODGE**

SCALE: 3/16" = 1'-0"

0 2 4 8

PLAN NORTH

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FLOOR PLANS - BASEMENT LODGE

SHEET NUMBER:

A-109

SHEET 116 of 219
ISSUE DATE 11/26/2025

EQUIPMENT LIST

DIVISION 11		
EQ-01	WASHER	OFCI
EQ-02	DRYER	OFCI
EQ-03	RANGE (RESIDENTIAL)	OFOI
EQ-04	REFRIGERATOR (RESIDENTIAL)	OFOI
EQ-05	RANGE HOOD	CFCI
EQ-06	6 BURNER RANGE	CFCI
EQ-07	UNDERCOUNTER DISHWASHER	CFCI
EQ-08	EXHAUST HOOD, SEE MECHANICAL	CFCI
EQ-09	REACH IN FREEZER	CFCI
EQ-10	REACH IN REFRIGERATOR	CFCI
EQ-11	MICROWAVE	OFCI
EQ-12	CLEAN DISHTABLE	CFCI
EQ-13	DISHWASHER, VENTLESS	CFCI
EQ-14	SOILED DISHTABLE	CFCI
EQ-15	THREE COMPARTMENT SINK	CFCI
EQ-16	UNDERCOUNTER ICE MAKER WITH BIN	CFCI
EQ-17	COMMERCIAL COFFEE MAKER	CFCI

KEYNOTES (BY DIVISION) x.x

DIVISION 03	
3.3	POUR SELF LEVELING LIGHT WEIGHT CONCRETE TOPPING; BOND NEW CONCRETE TO ROUGHEND EXISTING CONCRETE AND USE BONDING ADHESIVE. ALIGN TOP OF CONCRETE WITH EXISTING KITCHEN FLOOR.
DIVISION 04	
4.2	CLEAN ALL EXISTING STONE. TUCKPOINT STONE AS REQ'S, (UP-1) MATCH EXISTING GROUT COLOR AND AGGREGATE. REFINISH MANTLE. INSTALL NEW GAS FIREPLACE INSERT
DIVISION 06	
6.1	WALL AND SUPPORTING STRUCTURE TO BE STABILITIZED. REPAIR OR REPLACE EXISTING FRAMING MEMBERS AS REQ'D. RECONSTRUCT TO MATCH ADJACENT WALL CONSTRUCTION, COORDINATE WITH ARCHITECT. EXTERIOR FINISHES TO MATCH EXISTING.
6.4	INSTALL CUSTOM WOOD BENCH, SEE DETAIL 3/A-506.
6.5	FURNISH AND INSTALL CODE COMPLIANT RAILING AND GUARDRAIL, SEE DETAILS ON A-409.
6.7	INSTALL 3/4" PLYWOOD ON FLOOR AND SHIM AS REQ'D TO LEVEL FLOOR. INSTALL THROUGHOUT THE ENTIRETY OF THE FIRST FLOOR LODGE WITH THE EXCEPTION OF THE PORCH (201) AND THE FRONT PORCH (205).
DIVISION 08	
8.1	NEW OPERABLE WINDOW IN NEW OPENING.
8.3	NEW OPERABLE WINDOW IN EXISTING WINDOW OPENING.
8.4	REPLACE EXISTING SCREENS, REPLACE DAMAGED SCREEN WOOD SUPPORTS, REPAINT EXISTING WOOD FRAMES.
8.5	EXISTING WINDOW TO BE LEFT IN PLACE, PAINTED AND REPAIRED AS NEEDED. WINDOW SHALL NOT BE OPERABLE.
8.7	WINDOW TO BE PATCHED, REPAIRED, PAINTED AND MADE TO FUNCTION AS ORIGINALLY INTENDED.
8.8	INSTALL RESILIENT CHANNEL ON CORRIDOR SIDE ONLY.
8.9	NEW WINDOW IN EXISTING MODIFIED OPENING. FILL STUD SPACE BELOW WINDOW WITH BATT INSULATION AND COVER WITH VAPOR BARRIER, SEE TYPICAL WALL SECTION. MAKE BOTH SIDES FLUSH/ MATCH EXISTING FINISHES.
8.10	NEW DOUBLE PANE, DOUBLE HUNG WINDOWS SIMILAR TO EXISTING. INSTALL NEW WINDOW IN EXISTING WINDOW ROUGH OPENINGS.
8.11	FURNISH AND INSTALL INTERIOR REMOVABLE STORM WINDOW PANEL.
8.12	REPAIR/ PAINT EXISTING GLASS PANELS AND TRIM. REPAIR SCREENS AS REQ'D.
8.13	INFILL EXISTING OPENING. MAKE BOTH SIDES FLUSH/ MATCH EXISTING FINISHES.
DIVISION 09	
9.3	INSTALL NEW INSULATION PER TYPICAL DETAIL, AND INSTALL ONE LAYER OF 5/8" TYPE X GYP BOARD.
9.5	INSTALL ONE LAYER OF 5/8" TYPE X GYP BOARD. FIRE SEAL ALONG EDGE OF CHIMNEY, FLOOR TO CEILING.
9.7	REMOVE, STORE, AND REINSTALL SALVAGED WOOD PANELING AND TRIM THIS SIDE OF WALL ONLY. FILL STUD BAYS WITH INSULATION PER TYPICAL DETAIL. FURNISH AND INSTALL FLAT STOCK CROWN MOLDING. STAIN PER FINISH SCHEDULE.

PLAN GENERAL NOTES

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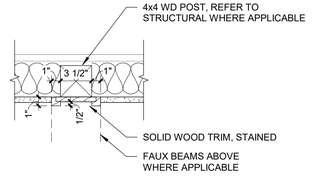
P. USE MOISTURE RESISTANT 5/8" GYP AROUND ALL MECHANICAL ROOMS AND IN BATHROOMS. MAINTAIN FIRE RATING AS NOTED.

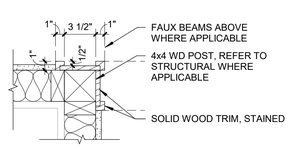
Q. AT FLOOR DRAIN LOCATIONS, SLOPE CONCRETE FLOOR TOWARDS DRAIN.

R. NEW GRILLES TO MATCH EXISTING COLOR AND STYLE. ABANDONED GRILLES AT WOOD FLOORS TO REMAIN AND BE SEALED WITH PLYWOOD BELOW PAINTED BLACK. ABANDONED GRILLES AT ALL OTHER AREAS IN LEVEL 3 ALTERATIONS TO BE PATCHED AND SEALED WITH FINISH TO MATCH SURROUNDING AREA. CONTRACTOR TO UTILIZE EXISTING GRILLES WHERE POSSIBLE.

S. MASONRY SUB TO REVIEW ALL AREAS OF TUCKPOINTING WORK AND MAKE DETERMINATIONS ON AREAS OF CORRECTION PRIOR TO STARTING WORK.



5 **COLUMN WRAP DETAIL**
SCALE: 1 1/2" = 1'-0"



4 **COLUMN WRAP DETAIL**
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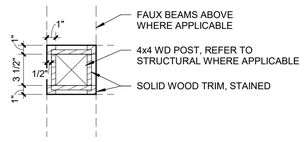

3 **COLUMN WRAP DETAIL**
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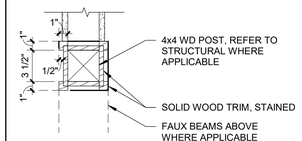

2 **COLUMN WRAP DETAIL**
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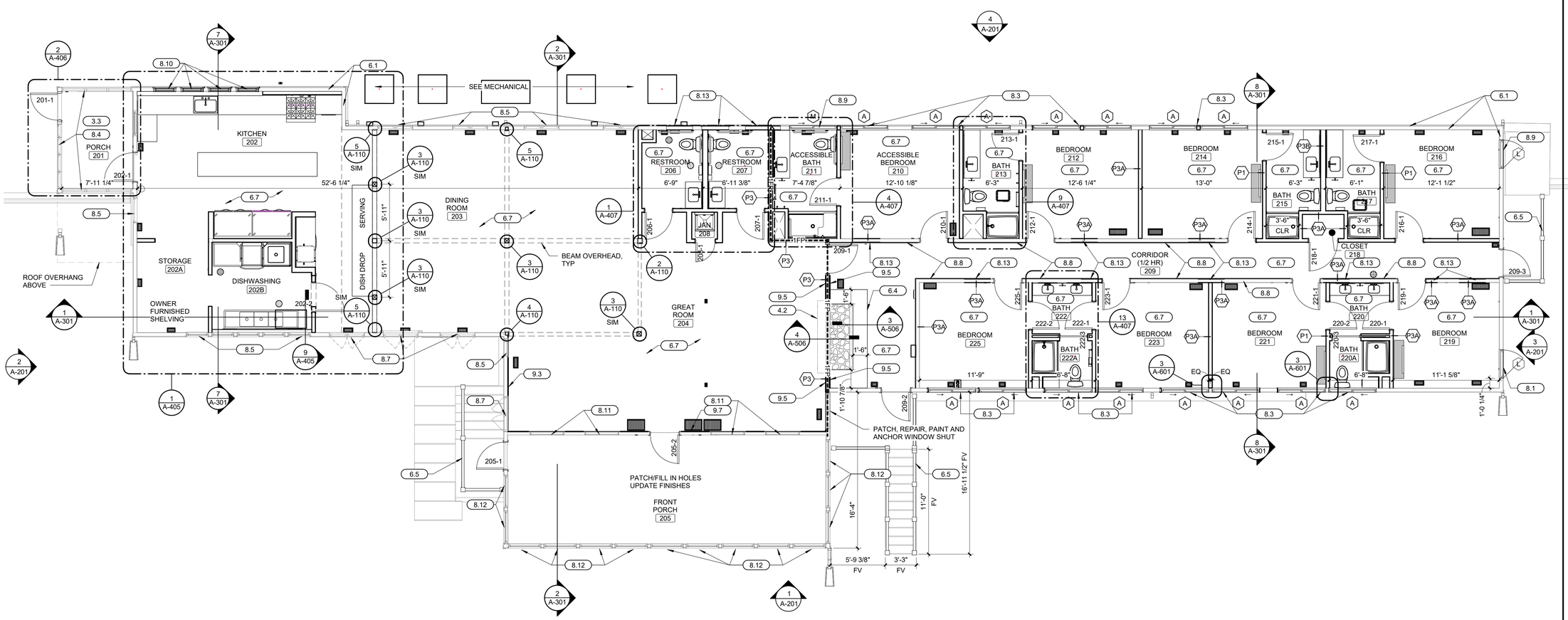

1 **FLOOR PLANS - FIRST FLOOR LODGE**
SCALE: 3/16" = 1'-0"

0 2 4 8

PLAN NORTH

11/26/2025 3:49:24 PM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

FLOOR PLANS - FIRST FLOOR LODGE

SHEET NUMBER:

A-110

SHEET 117 of 219
ISSUE DATE 11/26/2025



IMAGE OF EXTERIOR CHIMNEY



IMAGE OF EXTERIOR CHIMNEY

KEYNOTES (BY DIVISION) x.x

DIVISION 04	
4.3	**CLEAN ALL EXISTING STONE. TUCKPOINT STONE AS REQ'S, MATCH EXISTING GROUT COLOR AND AGGREGATE.**
DIVISION 07	
7.1	**SHINGLE OVER RIDGE VENT.**
7.3	**NEW FASCIA, SOFFIT, GUTTER (WHERE APPLICABLE) WITH LEAF GUARD - CAP EXPOSED ENDS**
7.4	**DOWNSPOUT. LOCATE ON CORNERBOARD AT CORNERS.**
7.5	**SPLASHBLOCK.**

ROOF GENERAL NOTES

A. COORDINATE ALL ROOF PENETRATION REQUIREMENTS, INCLUDING THOSE THAT MAY NOT BE SHOWN, WITH ROOFING CONTRACTOR, AND MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.

B. ALL ROOF PENETRATIONS TO BE IN COMPLIANCE WITH MANUFACTURER AND NRCA REQUIREMENTS.

C. ROOFING COMPONENTS MAY VARY DEPENDING ON ROOFING MANUFACTURER. CONTRACTOR SHALL INSTALL A COMPLETE CODE COMPLIANT AND WARRANTIED ROOFING SYSTEM BASED ON THE SPECIFIED ROOFING MANUFACTURERS WRITTEN INSTRUCTIONS AND INSTALLATION GUIDELINES.

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E. PROVIDE MINIMUM 15'-0" CLEARANCE FROM ANY INTAKE FOR ALL EQUIPMENT AND VENT STACKS. ALERT DESIGN PROFESSIONAL OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

F. ONCE ROOF WORK BEGINS, THE CONTRACTOR IS ACCEPTING ALL CONDITIONS AND WILL BE RESPONSIBLE FOR ALL DEMOLITION AND NEW WORK REQUIRED TO PROVIDE A WATERTIGHT ROOF SYSTEM.

G. THE CONTRACTOR SHALL ENSURE THAT UPON COMPLETION OF ROOF WORK, ALL GUTTERS, DOWNSPOUTS ARE CLEAN AND CLEAR OF DEBRIS TO PROVIDE AN UNOBSTRUCTED, FREE FLOW OF WATER.

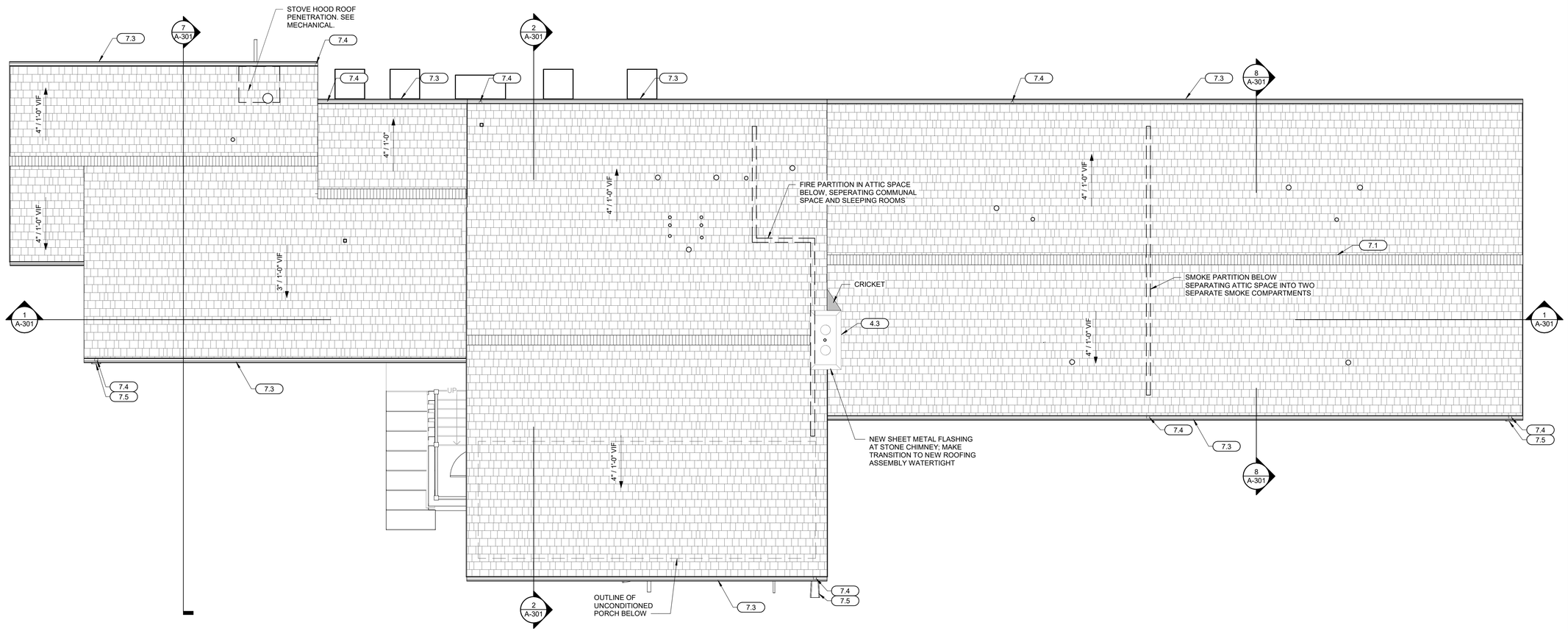
H. ALL CHIMNEY CAPS AND FLUE VENTS TO BE INSPECTED AND REPAIRED AS NEEDED. INSTALL NEW PRECAST STONE CAP AT LODGE AND OTHER LOCATIONS WHERE CHIMNEY CAPS ARE FAILING. INSTALL DECORATIVE CAP OVER FLUE VENTS. MAKE WATER TIGHT.

ROOF PLAN LEGEND

SLOPE= X / XX — INDICATES ROOF SLOPE

ROOF CRICKET

TYP VENT THRU ROOF



1 **ROOF PLAN - LODGE**

SCALE: 3/16" = 1'-0"

0 2 4 8

PLAN NORTH

11/26/2025 3:49:26 PM

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MIKE KEHOE
GOVERNOR

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#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

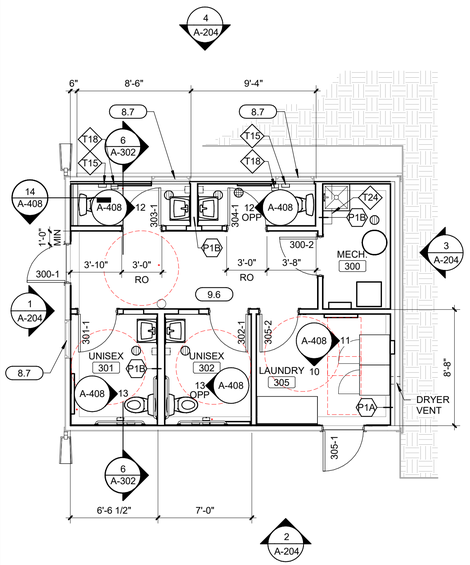
SHEET TITLE:

ROOF PLANS - LODGE

SHEET NUMBER:

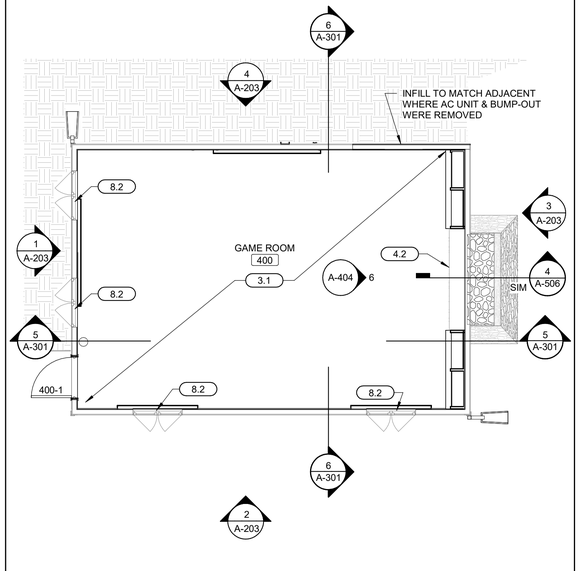
A-111

SHEET 118 of 219
ISSUE DATE 11/26/2025



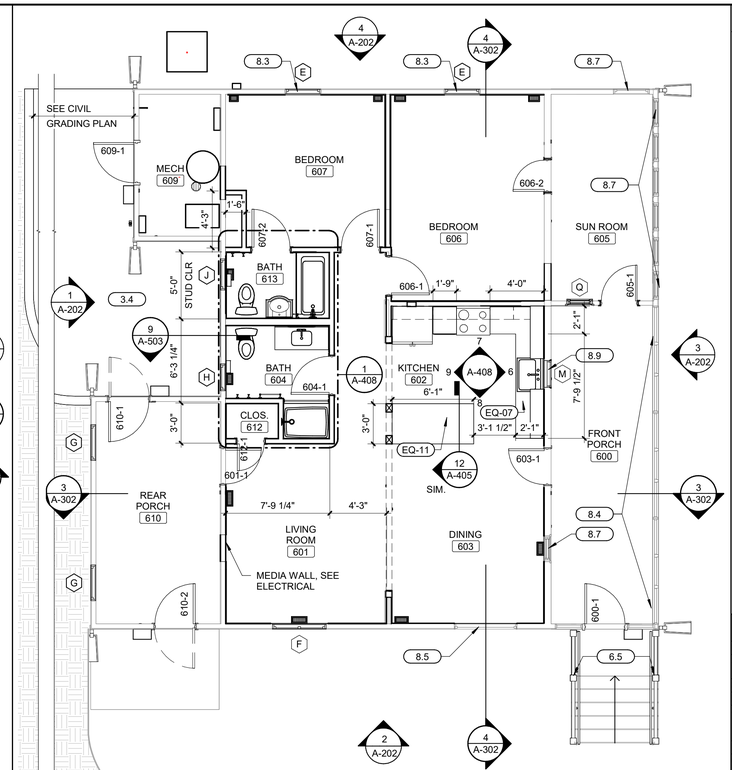
FLOOR PLANS - FIRST FLOOR RESTROOM

4 SCALE: 3/16" = 1'-0"



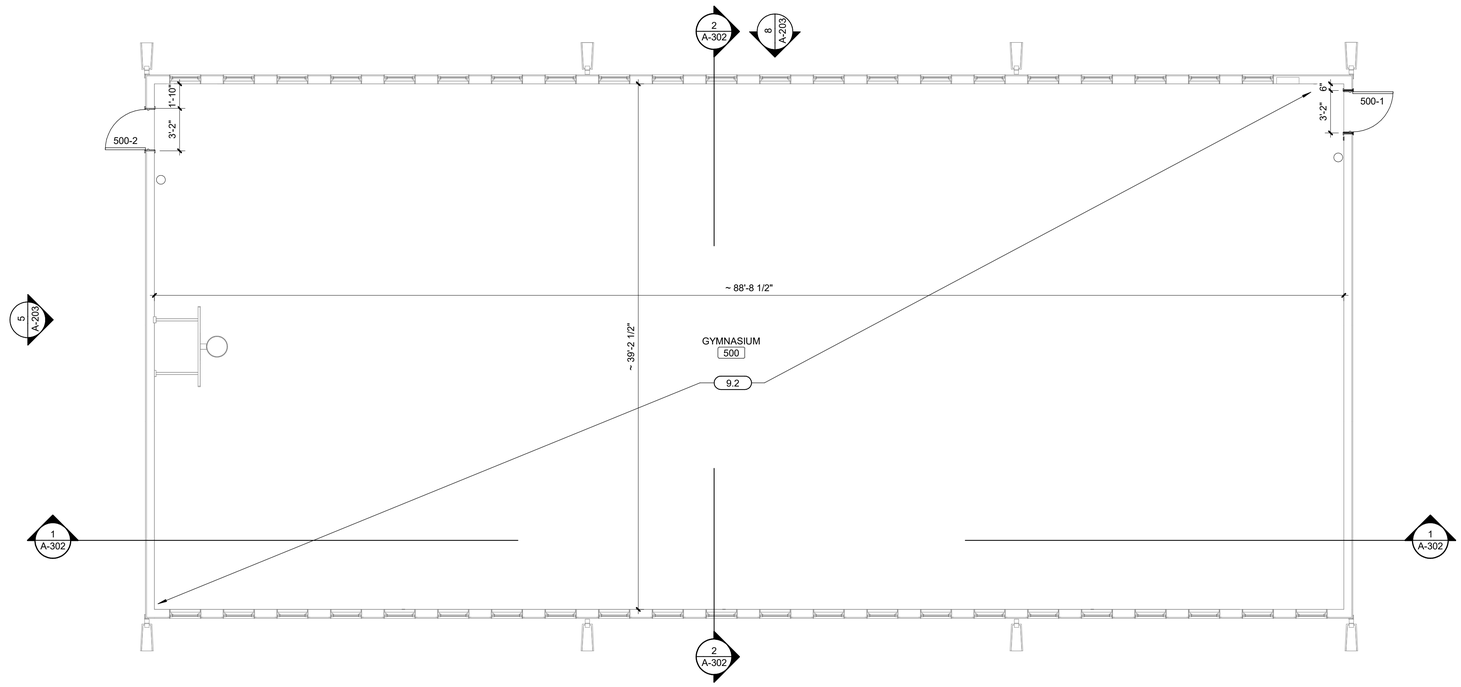
FLOOR PLANS - FIRST FLOOR GAME ROOM - ALTERNATE #3

3 SCALE: 3/16" = 1'-0"



FLOOR PLANS - FIRST FLOOR FAMILY CABIN - ALTERNATE #2

2 SCALE: 3/16" = 1'-0"



FLOOR PLANS - FIRST FLOOR GYMNASIUM

1 SCALE: 3/16" = 1'-0"

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PLAN GENERAL NOTES

A. INTERIOR PARTITIONS ARE TYPE P1 UNLESS NOTED OTHERWISE OR SHOWN.

B. AT RESTROOM BUILDING, SIDING TO REMAIN, INSULATE 2x4 WALLS WITH BATT INSULATION ± R-13, R-38 ROOF INSULATION. ALL INTERIOR WALLS BETWEEN TOILET ROOMS SHALL HAVE SOUND ATTENUATION INSULATION IN STUD CAVITY.

C. ALL DIMENSIONS ARE TO FACE OF STUD, CMU AND/OR CONCRETE UNLESS NOTED OTHERWISE.

D. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

E. ALL NEW WORK SHALL BE PLUMB TRUE, AND LEVEL UNLESS OTHERWISE NOTED.

F. EXTEND FIRE RESISTANT CONSTRUCTION TO STRUCTURE ABOVE. EXTEND PARTITIONS AROUND EQUIPMENT, CABINETS, AND OTHER ITEMS THAT PENETRATE THESE PARTITIONS AND FILL VOIDS IN PARTITIONS ABOVE CEILING TO MAINTAIN DESIGNATED FIRE RESISTANCE. SEE LIFE SAFETY SHEET(S) FOR FURTHER FIRE AND SMOKE RESISTANCE INFORMATION.

G. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF

H. ALL APPLIANCES ARE TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED OR SHOWN.

I. VERIFY ALL APPLIANCE DIMENSIONS PRIOR TO FINAL MILLWORK CONSTRUCTION.

J. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.

K. REPAIR/REFINISH ALL WINDOWS. SEE INTERIORS FOR FINISH INFORMATION.

L. REPLACE ALL EXTERIOR WINDOW SCREENS.

M. REPLACE ALL EXTERIOR WINDOW MOLDING. PAINT TO MATCH EXISTING.

N. EXTEND FIRE RESISTANT CONSTRUCTION TO STRUCTURE ABOVE. EXTEND PARTITIONS AROUND EQUIPMENT, CABINETS, AND OTHER ITEMS THAT PEN

O. ALL WALLS SURROUNDING BATHROOMS, MECHANICAL/STORAGE ROOMS AND BEDROOMS TO BE INSULATED W/ BATT INSULATION TO FILL STUD CAVITIES.

P. USE MOISTURE RESISTANT 5/8" GYP AROUND ALL MECHANICAL ROOMS AND IN BATHROOMS. MAINTAIN FIRE RATING AS NOTED.

Q. AT FLOOR DRAIN LOCATIONS, SLOPE CONCRETE FLOOR TOWARDS DRAIN.

R. NEW GRILLES TO MATCH EXISTING COLOR AND STYLE. ABANDONED GRILLES AT WOOD FLOORS TO REMAIN AND BE SEALED WITH PLYWOOD BELOW PAINTED BLACK. ABANDONED GRILLES AT ALL OTHER AREAS IN LEVEL 3 ALTERATIONS TO BE PATCHED AND SEALED WITH FINISH TO MATCH SURROUNDING AREA. CONTRACTOR TO UTILIZE EXISTING GRILLES WHERE POSSIBLE.

S. MASONRY SUB TO REVIEW ALL AREAS OF TUCKPOINTING WORK AND MAKE DETERMINATIONS ON AREAS OF CORRECTION PRIOR TO STARTING WORK.

KEYNOTES (BY DIVISION) x.x

DIVISION 03	
3.1	POUR SELF LEVELING LIGHT WEIGHT CONCRETE TOPPING OVER NEW VAPOR BARRIER ON EXISTING CONCRETE SLAB; ALIGN WITH NEW DOOR.
3.4	INSTALL CONCRETE SLAB, SEE CIVIL.
DIVISION 04	
4.2	CLEAN ALL EXISTING STONE. TUCKPOINT STONE AS REQ'S, (UP-1) MATCH EXISTING GROUT COLOR AND AGGREGATE. REFINISH MANTLE. INSTALL NEW GAS FIREPLACE INSERT
DIVISION 06	
6.5	FURNISH AND INSTALL CODE COMPLIANT RAILING AND GUARDRAIL, SEE DETAILS ON A-409.
DIVISION 08	
8.2	RE-CASE WINDOW TO MATCH FACILITY STANDARD. FINISH TO MATCH WALL BASE.
8.3	NEW OPERABLE WINDOW IN EXISTING WINDOW OPENING.
8.4	REPLACE EXISTING SCREENS, REPLACE DAMAGED SCREEN WOOD SUPPORTS, REPAINT EXISTING WOOD FRAMES.
8.5	EXISTING WINDOW TO BE LEFT IN PLACE, PAINTED AND REPAIRED AS NEEDED. WINDOW SHALL NOT BE OPERABLE.
8.7	WINDOW TO BE PATCHED, REPAIRED, PAINTED AND MADE TO FUNCTION AS ORIGINALLY INTENDED.
8.9	NEW WINDOW IN EXISTING MODIFIED OPENING. FILL STUD SPACE BELOW WINDOW WITH BATT INSULATION AND COVER WITH VAPOR BARRIER, SEE TYPICAL WALL SECTION. MAKE BOTH SIDES FLUSH/ MATCH EXISTING FINISHES.
DIVISION 09	
9.2	SAND WOOD FLOOR TO BARE SURFACE. REFINISH AS SPECIFIED IN INTERIOR FINISH DRAWINGS.
9.6	INSTALL 6" GRANULAR FILL AND VAPOR BARRIER UNDER CONCRETE SLAB, SEE WALL SECTIONS.

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	REMARKS
T1	TOILET TISSUE HOLDER	CFCI
T2	FRAMED MIRROR (24"W X 36"H)	CFCI
T3	ADA SHOWER SEAT	CFCI
T4	HOTELIER	CFCI
T5	TOWEL BAR (18"W)	CFCI
T6	SHOWER ROD (42") (CURTAIN BY OWNER)	CFCI
T7	ROBE HOOK	CFCI
T9	GRAB BAR (24")	CFCI
T10	GRAB BAR (36")	CFCI
T11	GRAB BAR (42")	CFCI
T12	L-SHAPED GRAB BAR	CFCI
T13	FRAMED MIRROR (48"W X 36"H)	CFCI
T14	UNDERLAVATORY GUARD	CFCI
T15	SANITARY NAPKIN DISPOSAL	CFCI
T16	TOWEL RING	CFCI
T17	SHOWER ROD (60") (CURTAIN BY OWNER)	CFCI
T18	MULTI ROLL TOILET TISSUE	CFCI
T19	PAPER TOWEL TRASH COMBO	CFCI
T20	SOAP DISPENSER	CFCI
T21	PAPER TOWEL DISPENSER	CFCI
T22	GRAB BAR (12")	CFCI
T23	SHOWER ROD (36") (CURTAIN BY OWNER)	CFCI
T24	UTILITY SHELF WITH MOP/BROOM HOLDER	CFCI
T25	REMOVABLE SHOWER SEAT	CFCI

EQUIPMENT LIST

DIVISION 11		
EQ-01	WASHER	OFCI
EQ-02	DRYER	OFCI
EQ-03	RANGE (RESIDENTIAL)	OFOI
EQ-04	REFRIGERATOR (RESIDENTIAL)	OFOI
EQ-05	RANGE HOOD	CFCI
EQ-06	6 BURNER RANGE	CFCI
EQ-07	UNDERCOUNTER DISHWASHER	CFCI
EQ-08	EXHAUST HOOD, SEE MECHANICAL	CFCI
EQ-09	REACH IN FREEZER	CFCI
EQ-10	REACH IN REFRIGERATOR	CFCI
EQ-11	MICROWAVE	OFOI
EQ-12	CLEAN DISHTABLE	CFCI
EQ-13	DISHWASHER, VENTLESS	CFCI
EQ-14	SOILED DISHTABLE	CFCI
EQ-15	THREE COMPARTMENT SINK	CFCI
EQ-16	UNDERCOUNTER ICE MAKER WITH BIN	CFCI
EQ-17	COMMERCIAL COFFEE MAKER	CFCI

STATE OF MISSOURI
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#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

FLOOR PLANS - FIRST FLOOR GYM, RESTROOM, GAME ROOM, & FAMILY CABIN

SHEET NUMBER:

A-112

SHEET 119 of 219
ISSUE DATE 11/26/2025



IMAGE OF EXTERIOR CHIMNEY

ROOF GENERAL NOTES

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G. THE CONTRACTOR SHALL ENSURE THAT UPON COMPLETION OF ROOF WORK, ALL GUTTERS, DOWNSPOUTS ARE CLEAN AND CLEAR OF DEBRIS TO PROVIDE AN UNOBSTRUCTED, FREE FLOW OF WATER.

H. ALL CHIMNEY CAPS AND FLUE VENTS TO BE INSPECTED AND REPAIRED AS NEEDED. INSTALL NEW PRECAST STONE CAP AT LODGE AND OTHER LOCATIONS WHERE CHIMNEY CAPS ARE FAILING. INSTALL DECORATIVE CAP OVER FLUE VENTS. MAKE WATER TIGHT.

ROOF PLAN LEGEND

SLOPE= X / XX — INDICATES ROOF SLOPE

ROOF CRICKET

TYP VENT THRU ROOF

KEYNOTES (BY DIVISION)

x.x

DIVISION 04	
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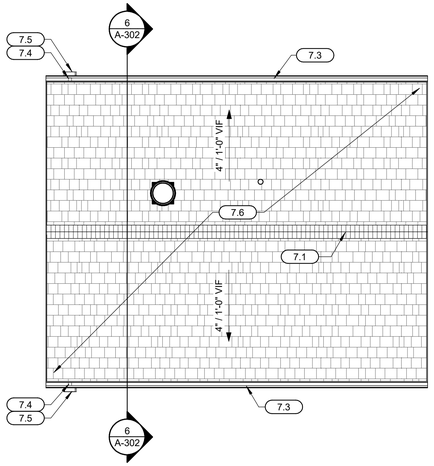
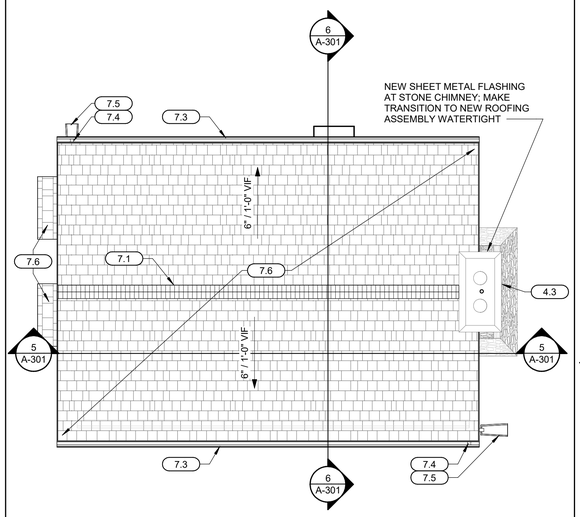
7.1	**SHINGLE OVER RIDGE VENT.**
7.3	**NEW FASCIA, SOFFIT, GUTTER (WHERE APPLICABLE) WITH LEAF GUARD - CAP EXPOSED ENDS**
7.4	**DOWNSPOUT. LOCATE ON CORNERBOARD AT CORNERS.**
7.5	**SPLASHBLOCK.**
7.6	**NEW ASPHALT SHINGLE SYSTEM OVER EXISTING/REPAIRED SHEATHING; MATCH EXISTING SIZE, STYLE AND COLOR.**
7.12	**CENTER A 36 IN. WIDE STRIP OF ICE AND WATER DAM SHEET IN ALL VALLEYS, TYP. U.N.O.**



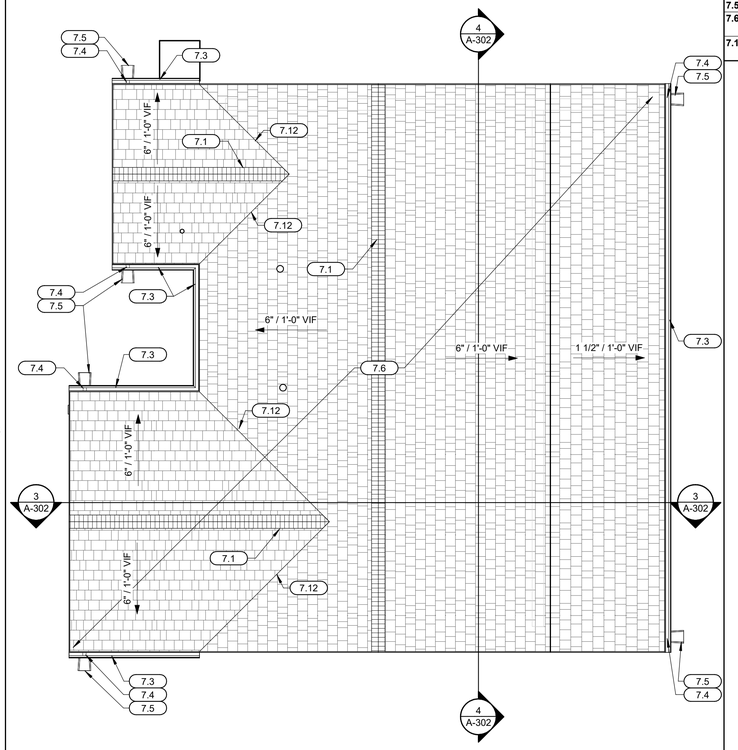
ROOF PLAN - RESTROOM

1 — SCALE: 3/16" = 1'-0"



ROOF PLAN - GAME ROOM - ALTERNATE #3

2 — SCALE: 3/16" = 1'-0"



ROOF PLAN - FAMILY CABIN - ALTERNATE #2

3 — SCALE: 3/16" = 1'-0"

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Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815230012	☒	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

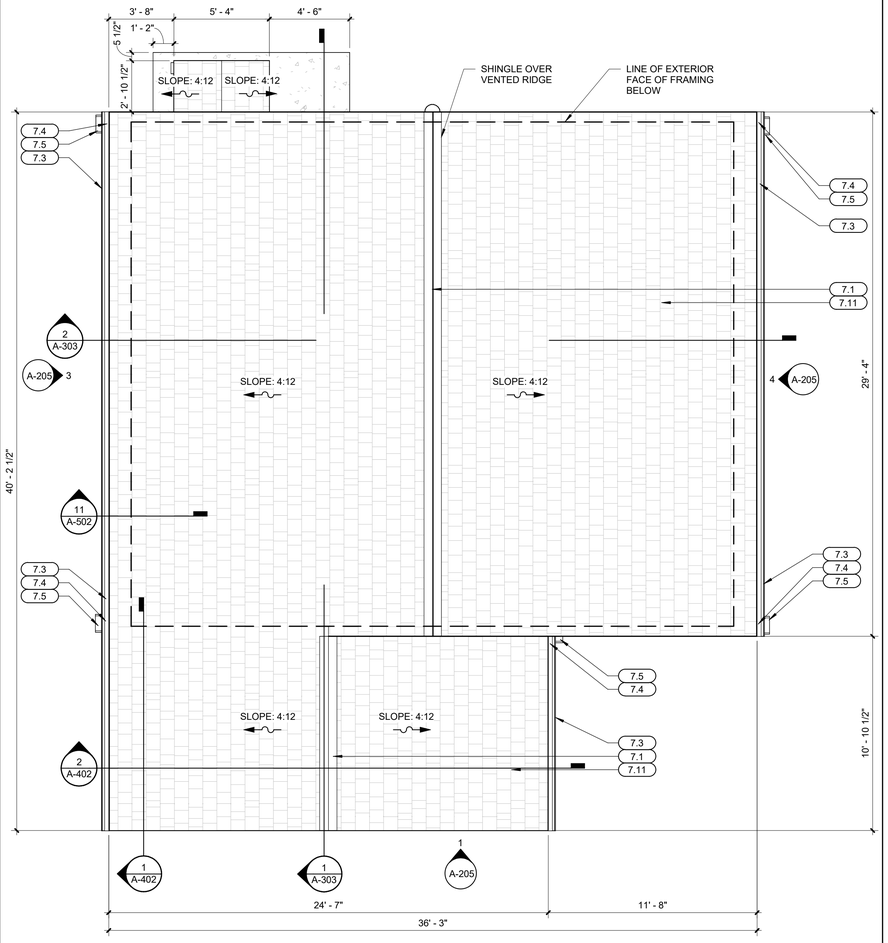
ROOF PLANS - FIRST FLOOR RESTROOM, GAME ROOM, & FAMILY CABIN

SHEET NUMBER:

A-113

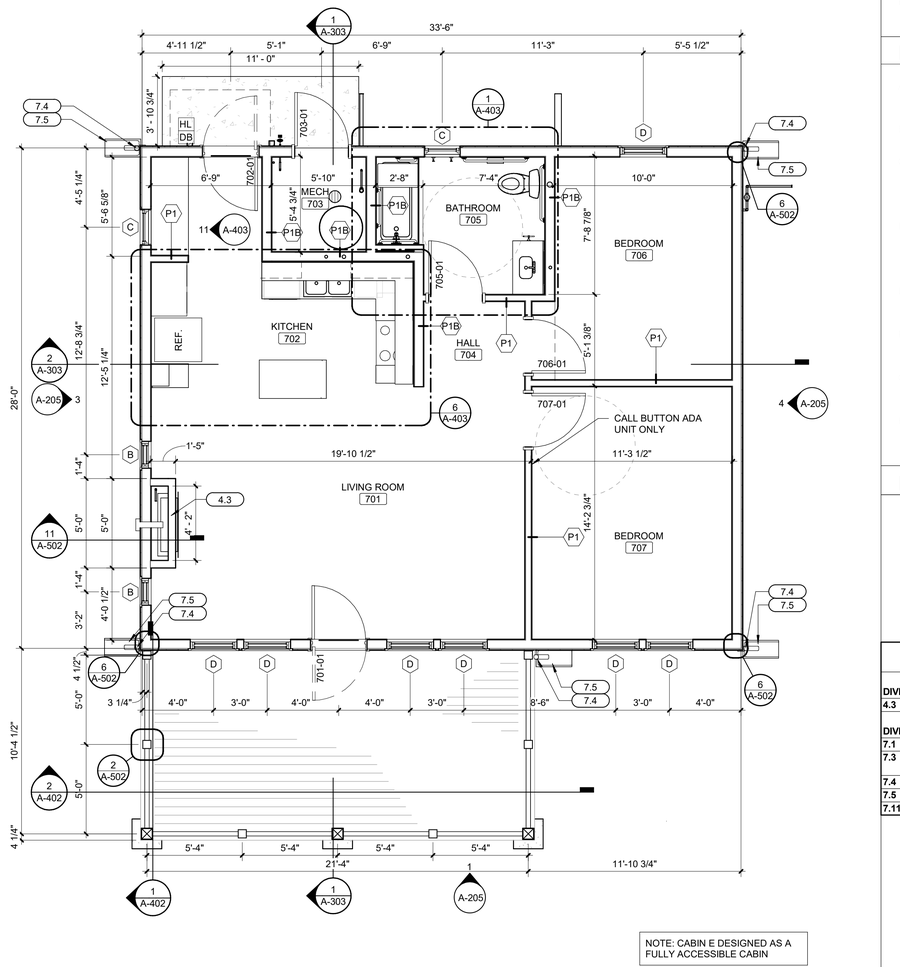
SHEET 120 of 219
ISSUE DATE 11/26/2025

11/25/2025 3:45:37 PM



ROOF PLAN - TWO BEDROOM CABIN

2 SCALE: 1/4" = 1'-0"



NOTE: CABIN E DESIGNED AS A FULLY ACCESSIBLE CABIN

FLOOR PLAN - FIRST FLOOR TWO BEDROOM CABIN

1 SCALE: 1/4" = 1'-0"

0 2 4 8

PLAN NORTH

11/26/2025 4:14:39 PM

GENERAL NOTES

A. INTERIOR PARTITIONS ARE TYPE P1 UNLESS NOTED OTHERWISE OR SHOWN.

B. AT RESTROOM BUILDING, SIDING TO REMAIN. INSULATE 2x4 WALLS WITH BATT INSULATION ± R-13, R-38 ROOF INSULATION. ALL INTERIOR WALLS BETWEEN TOILET ROOMS SHALL HAVE SOUND ATTENUATION INSULATION IN STUD CAVITY.

C. ALL DIMENSIONS ARE TO FACE OF STUD, CMU AND/OR CONCRETE UNLESS NOTED OTHERWISE.

D. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

E. ALL NEW WORK SHALL BE PLUMB TRUE, AND LEVEL UNLESS OTHERWISE NOTED.

F. EXTEND FIRE RESISTANT CONSTRUCTION TO STRUCTURE ABOVE. EXTEND PARTITIONS AROUND EQUIPMENT, CABINETS, AND OTHER ITEMS THAT PENETRATE THESE PARTITIONS AND FILL VOIDS IN PARTITIONS ABOVE CEILING TO MAINTAIN DESIGNATED FIRE RESISTANCE. SEE LIFE SAFETY SHEET(S) FOR FURTHER FIRE AND SMOKE RESISTANCE INFORMATION.

G. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF

H. ALL APPLIANCES ARE TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED OR SHOWN.

I. VERIFY ALL APPLIANCE DIMENSIONS PRIOR TO FINAL MILLWORK CONSTRUCTION.

J. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.

K. REPAIR/REFINISH ALL WINDOWS.

L. REPLACE ALL EXTERIOR WINDOW SCREENS.

M. REPLACE ALL EXTERIOR WINDOW MOLDING. PAINT TO MATCH EXISTING.

N. EXTEND FIRE RESISTANT CONSTRUCTION TO STRUCTURE ABOVE. EXTEND PARTITIONS AROUND EQUIPMENT, CABINETS, AND OTHER ITEMS THAT PEN

O. ALL WALLS SURROUNDING BATHROOMS, MECHANICAL/STORAGE ROOMS AND BEDROOMS TO BE INSULATED W/ BATT INSULATION TO FILL STUD CAVITIES.

P. USE MOISTURE RESISTANT 5/8" GYP AROUND ALL MECHANICAL ROOMS AND IN BATHROOMS. MAINTAIN FIRE RATING AS NOTED.

Q. AT FLOOR DRAIN LOCATIONS, SLOPE CONCRETE FLOOR TOWARDS DRAIN.

ROOF GENERAL NOTES

A. COORDINATE ALL ROOF PENETRATION REQUIREMENTS, INCLUDING THOSE THAT MAY NOT BE SHOWN, WITH ROOFING CONTRACTOR, AND MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.

B. ALL ROOF PENETRATIONS TO BE IN COMPLIANCE WITH MANUFACTURER AND NRCA REQUIREMENTS.

C. ROOFING COMPONENTS MAY VARY DEPENDING ON ROOFING MANUFACTURER. CONTRACTOR SHALL INSTALL A COMPLETE CODE COMPLIANT AND WARRANTIED ROOFING SYSTEM BASED ON THE SPECIFIED ROOFING MANUFACTURERS WRITTEN INSTRUCTIONS AND INSTALLATION GUIDELINES.

D. ROOFING INSULATION THERMAL LETTER-VALUE AND CORRESPONDING R-VALUE MAY VARY DEPENDING ON INSULATION MANUFACTURER. ROOFING CONTRACTOR TO CONSULT INSULATION MANUFACTURERS WRITTEN DOCUMENTATION AND PROVIDE A ROOF INSULATION THICKNESS TO MEET OR EXCEED THE IECC REQUIREMENT.

E. PROVIDE MINIMUM 15'-0" CLEARANCE FROM ANY INTAKE FOR ALL EQUIPMENT AND VENT STACKS. ALERT DESIGN PROFESSIONAL OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

F. ONCE ROOF WORK BEGINS, THE CONTRACTOR IS ACCEPTING ALL CONDITIONS AND WILL BE RESPONSIBLE FOR ALL DEMOLITION AND NEW WORK REQUIRED TO PROVIDE A WATERTIGHT ROOF SYSTEM.

G. THE CONTRACTOR SHALL ENSURE THAT UPON COMPLETION OF ROOF WORK, ALL GUTTERS, DOWNSPOUTS ARE CLEAN AND CLEAR OF DEBRIS TO PROVIDE AN UNOBSTRUCTED, FREE FLOW OF WATER.

H. ALL CHIMNEY CAPS AND FLUE VENTS TO BE INSPECTED AND REPAIRED AS NEEDED. INSTALL NEW PRECAST STONE CAP AT LODGE AND OTHER LOCATIONS WHERE CHIMNEY CAPS ARE FAILING. INSTALL DECORATIVE CAP OVER FLUE VENTS. MAKE WATER TIGHT.

ROOF PLAN LEGEND

SLOPE= X / XX — INDICATES ROOF SLOPE

ROOF CRICKET

TYP VENT THRU ROOF

KEYNOTES (BY DIVISION)

DIVISION 04	
4.3	**GAS FIREPLACE INSERT W STONE FACE FROM FLOOR TO CEILING**
DIVISION 07	
7.1	**SHINGLE OVER RIDGE VENT.**
7.3	**NEW FASCIA, SOFFIT, GUTTER (WHERE APPLICABLE) WITH LEAF GUARD - CAP EXPOSED ENDS**
7.4	**DOWNSPOUT. LOCATE ON CORNERBOARD AT CORNERS.**
7.5	**SPLASHBLOCK.**
7.11	**ASPHALT SHINGLE SYSTEM OVER SHEATHING.**

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER
A-2018007676
ARCHITECT

Date: 11/26/2025

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001 ☐	(2B)Cabin C	7815232004 ☒
Lower Dorm	7815232010 ☐	(2B)Cabin D	7815232005 ☒
Gymnasium	7815232011 ☐	(2B)Cabin E	7815232006 ☒
Game Room	7815232012 ☐	(2B)Cabin F	7815232007 ☒
Family Cabin	7815232013 ☐	(2B)Cabin G	7815232008 ☒
RR Building	7815232014 ☐	(2B)Cabin H	7815232009 ☒

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ
CHECKED BY: NRB
DESIGNED BY: NRB

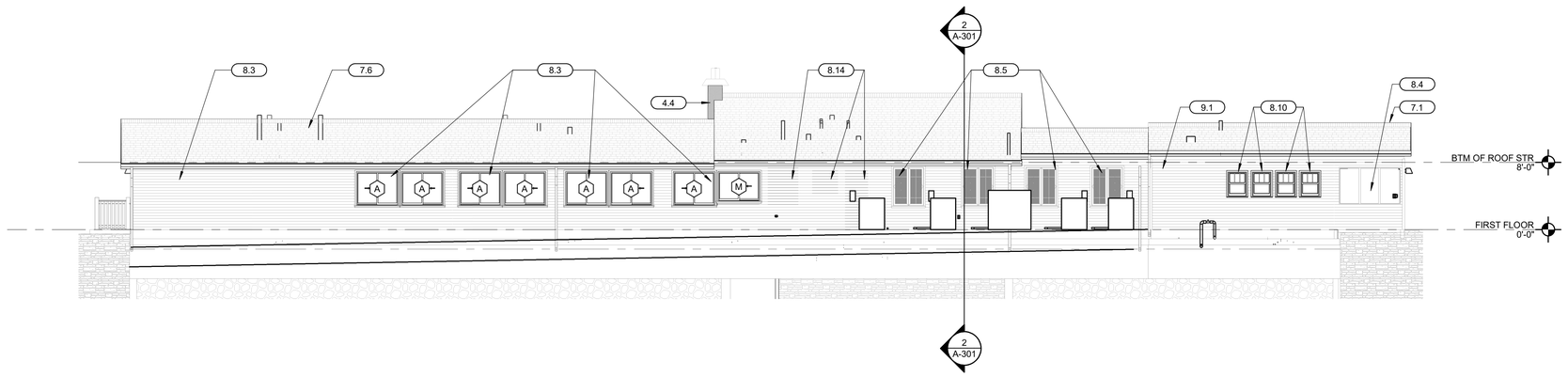
SHEET TITLE:

FLOOR PLANS - FIRST FLOOR & ROOF TWO BEDROOM CABIN

SHEET NUMBER:

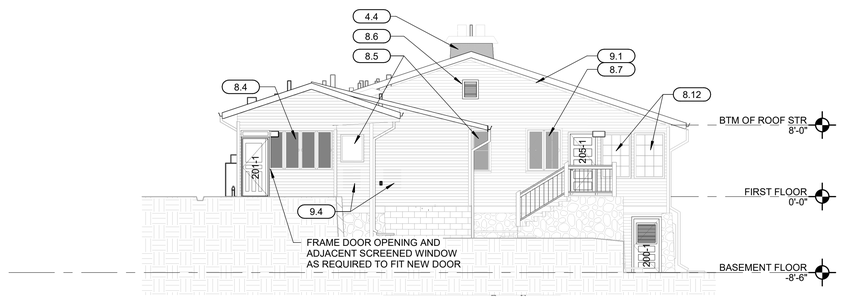
A-114

SHEET 121 of 219
ISSUE DATE 11/26/2025



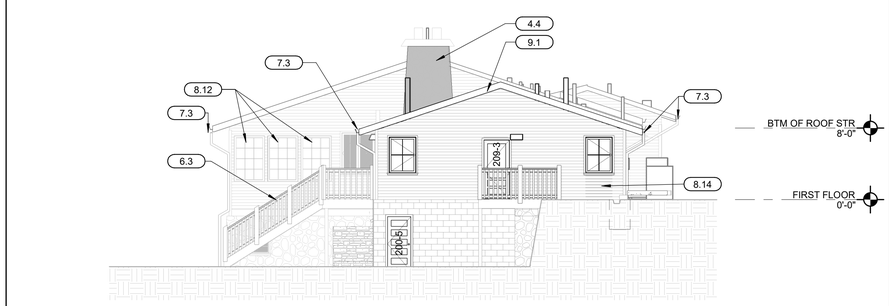
4 LODGE NORTH ELEVATION

SCALE: 1/8" = 1'-0"



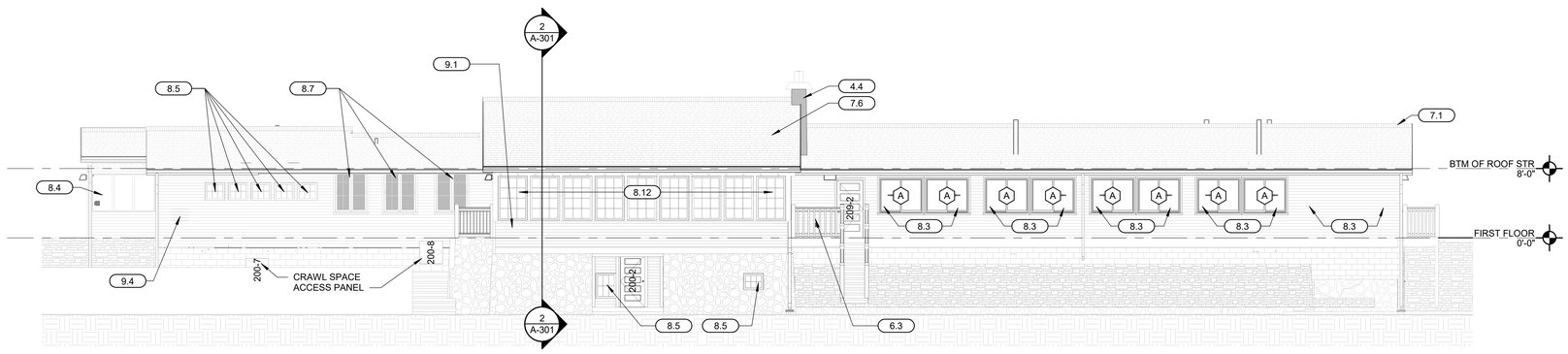
2 LODGE WEST ELEVATION

SCALE: 1/8" = 1'-0"



3 LODGE EAST ELEVATION

SCALE: 1/8" = 1'-0"



1 LODGE SOUTH ELEVATION

SCALE: 1/8" = 1'-0"

ELEVATIONS GENERAL NOTES

A. CLEAN ALL EXISTING STONE. UTILIZE UNIT PRICE NO. UP-1 STONE AND MASONRY TUCKPOINTING FOR ANY REQUIRED TUCKPOINTING AT EXISTING STONE MASONRY. MATCH EXISTING GROUT COLOR AND AGGREGATE. CONTRACTOR TO DOCUMENT AREA REQUIRING TUCKPOINTING PRIOR TO START OF WORK.

B. REPAIR/REFINISH ALL WINDOWS

C. PATCH AND REPAIR FASCIA, SOFFIT, RAFTERS, CORNER BOARDS, TRIM, WINDOW, DOOR, AND SCREEN TRIM TO BE PAINTED.

D. PATCH, REPAIR, AS REQ'D ALL SIDING TO BE PAINTED.

E. ALL REPLACEMENT SIDING TO MATCH EXISTING (UP-3).

KEYNOTES (BY DIVISION) x.x

DIVISION 04	
4.4	**CLEAN ALL EXISTING STONE. TUCKPOINT STONE AS REQ'D. REFER TO SPECIFICATION SECTION 040343 FOR SCOPE OF WORK (UP-1). MATCH EXISTING GROUT COLOR AND AGGREGATE.**
DIVISION 06	
6.3	**NEW PAINTED CEDAR WOOD RAILS, BALLUSTERS, AND POSTS. MATCH EXISITNG ON-SITE STYLE**
DIVISION 07	
7.1	**SHINGLE OVER RIDGE VENT.**
7.3	**NEW FASCIA, SOFFIT, GUTTER (WHERE APPLICABLE) WITH LEAF GUARD - CAP EXPOSED ENDS**
7.6	**NEW ASPHALT SHINGLE SYSTEM OVER EXISTING/REPAIRED SHEATHING; MATCH EXISTING SIZE, STYLE AND COLOR.**
DIVISION 08	
8.3	**NEW OPERABLE WINDOW IN EXISTING WINDOW OPENING.**
8.4	**REPLACE EXISTING SCREENS, REPLACE DAMAGED SCREEN WOOD SUPPORTS, REPAINT EXISTING WOOD FRAMES.**
8.5	**EXISTING WINDOW TO BE LEFT IN PLACE, PAINTED AND REPAIRED AS NEEDED. WINDOW SHALL NOT BE OPERABLE.**
8.7	**WINDOW TO BE PATCHED, REPAIRED, PAINTED AND MADE TO FUNCTION AS ORIGINALLY INTENDED.**
8.10	**NEW DOUBLE PANE, DOUBLE HUNG WINDOWS SIMILAR TO EXISTING. INSTALL NEW WINDOW IN EXISTING WINDOW ROUGH OPENINGS.**
8.12	**REPAIR/ PAINT EXISTING GLASS PANELS AND TRIM. REPAIR SCREENS AS REQ'D.**
8.14	**INFILL OPENING W/ SIMILAR WALL CONSTRUCTION AND FINISH TO MATCH ADJACENT SURFACES. MAKE BOTH SIDES FLUSH/ MATCH EXISTING FINISHES.**
DIVISION 09	
9.1	**EXISTING WOOD SIDING AND TRIM: PATCH AND REPAIR AS REQUIRED (UP-3); NEW SIDING PROFILE TO MATCH EXISTING; PAINT TO MATCH PARK STANDARD.**
9.4	**INFILL EXISTING WALL VOID. TOOTH-IN NEW SIDING TO MATCH EXISTING. ADD FRAMING AS REQ'D. INTERIOR FINISH PER SCHEDULE.**

EXISTING FOUNDATION WALL TYPES

HISTORIC EXTERIOR STALAGTITE/ STALAGMITE

EXISTING STONE WALL

EXISTING CMU BLOCK

BASE BID AREA ALLOWANCES FOR REPAIR

APPROXIMATE AREA OF TUCKPOINTING
LODGE CHIMNEY - EXTERIOR: 54 SF
LODGE CHIMNEY - INTERIOR: 112 SF
200 SF

*ALL ADDITIONAL TUCKPOINTING ON AREAS OF FOUNDATION WALLS OR STONE RETAINING WALLS TO BE ON A UP-1 COST BASIS. GC TO PROVIDE DOCUMENTATION ON AREAS AND AMOUNTS OF REPAIR TUCKPOINTING.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER
A-2018007676
ARCHITECT

Date: 11/26/2025

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MANAGEMENT, DESIGN
AND CONSTRUCTION

DEPARTMENT OF NATURAL
RESOURCES DIVISION OF STATE
PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

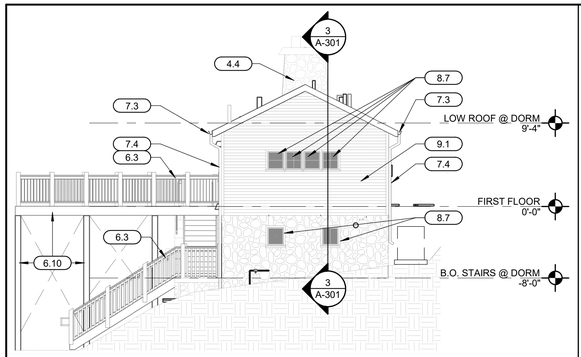
EXTERIOR ELEVATIONS - LODGE

SHEET NUMBER:

A-201

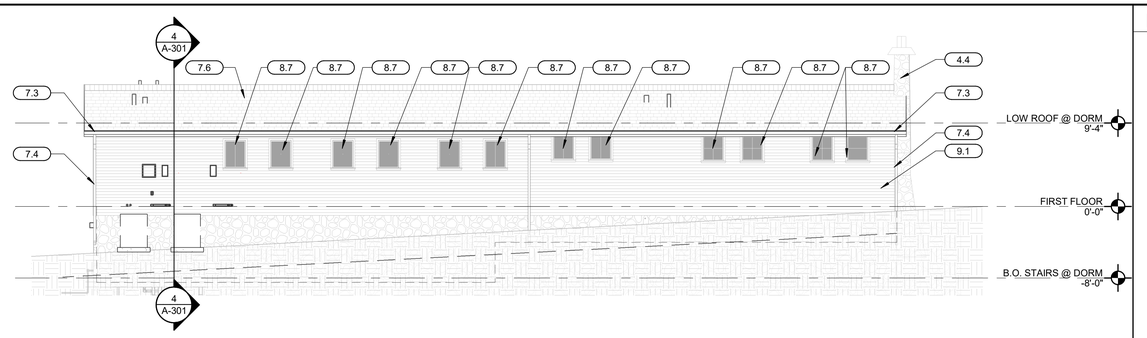
SHEET 122 of 219
ISSUE DATE 11/26/2025

11/25/2025 3:49:41 PM



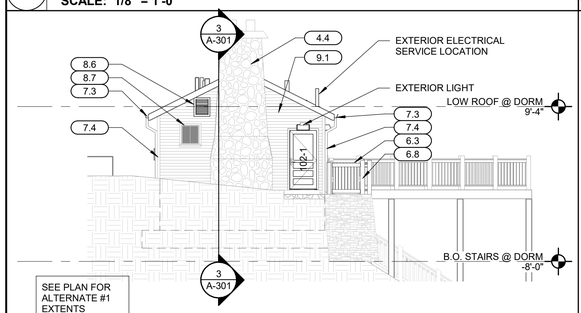
7 LOWER DORM EAST ELEVATION - ALTERNATE #1

SCALE: 1/8" = 1'-0"



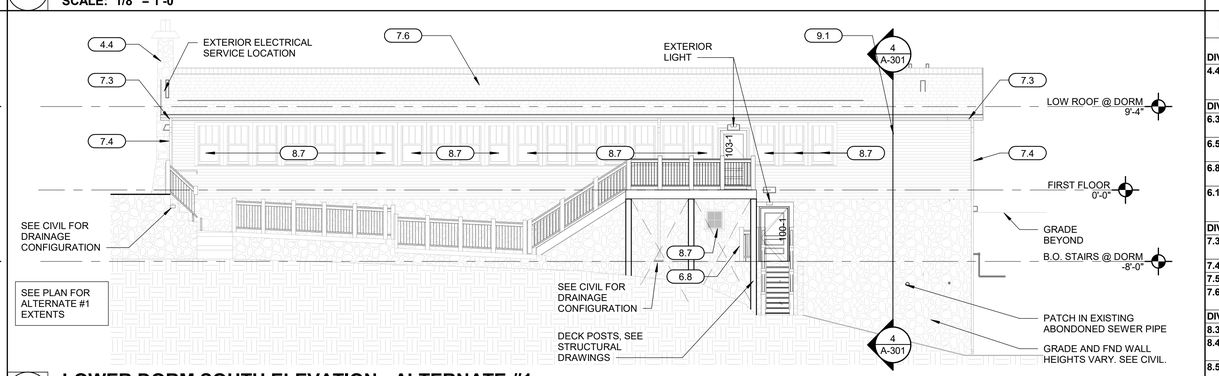
8 LOWER DORM NORTH ELEVATION - ALTERNATE #1

SCALE: 1/8" = 1'-0"



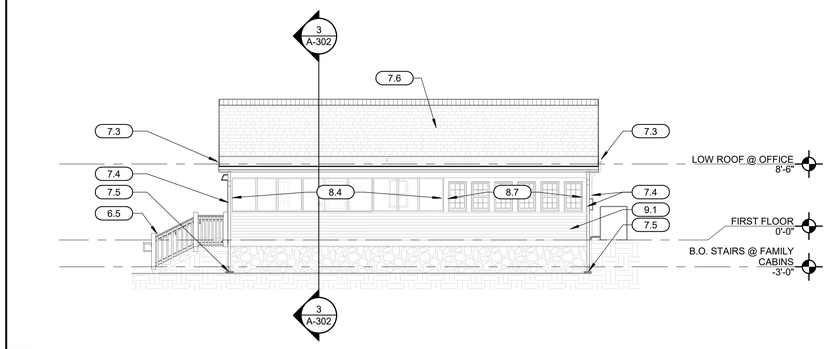
5 LOWER DORM WEST ELEVATION - ALTERNATE #1

SCALE: 1/8" = 1'-0"



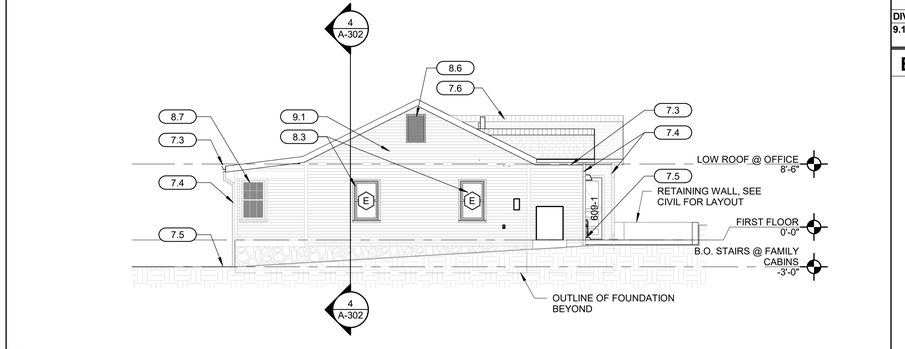
6 LOWER DORM SOUTH ELEVATION - ALTERNATE #1

SCALE: 1/8" = 1'-0"



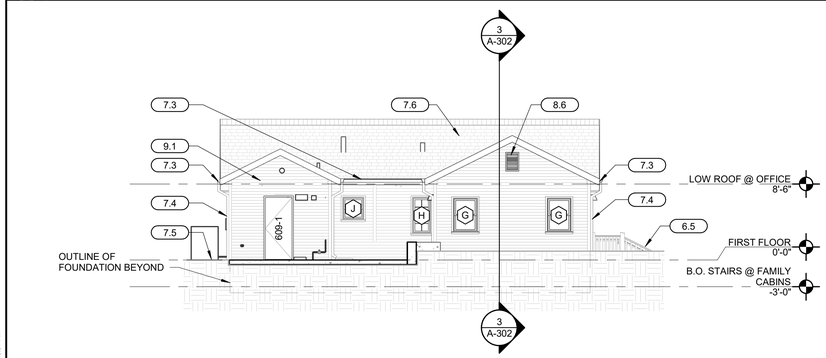
3 FAMILY CABIN EAST ELEVATION - ALTERNATE #2

SCALE: 1/8" = 1'-0"



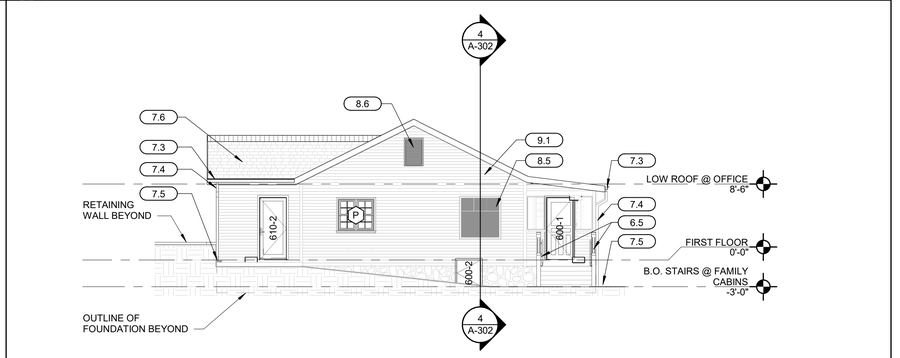
4 FAMILY CABIN NORTH ELEVATION - ALTERNATE #2

SCALE: 1/8" = 1'-0"



1 FAMILY CABIN WEST ELEVATION - ALTERNATE #2

SCALE: 1/8" = 1'-0"



2 FAMILY CABIN SOUTH ELEVATION - ALTERNATE #2

SCALE: 1/8" = 1'-0"

ELEVATIONS GENERAL NOTES

A. CLEAN ALL EXISTING STONE. UTILIZE UNIT PRICE NO. UP-1 STONE AND MASONRY TUCKPOINTING FOR ANY REQUIRED TUCKPOINTING AT EXISTING STONE MASONRY. MATCH EXISTING GROUT COLOR AND AGGREGATE. CONTRACTOR TO DOCUMENT AREA REQUIRING TUCKPOINTING PRIOR TO START OF WORK.

B. REPAIR/REFINISH ALL WINDOWS

C. PATCH AND REPAIR FASCIA, SOFFIT, RAFTERS, CORNER BOARDS, TRIM, WINDOW, DOOR, AND SCREEN TRIM TO BE PAINTED.

D. PATCH, REPAIR, AS REQ'D ALL SIDING TO BE PAINTED.

E. ALL REPLACEMENT SIDING TO MATCH EXISTING (UP-3).

KEYNOTES (BY DIVISION) x.x

DIVISION 04	
4.4	**CLEAN ALL EXISTING STONE. TUCKPOINT STONE AS REQ'D. REFER TO SPECIFICATION SECTION 040343 FOR SCOPE OF WORK (UP-1). MATCH EXISTING GROUT COLOR AND AGGREGATE.**
DIVISION 06	
6.3	**NEW PAINTED CEDAR WOOD RAILS, BALLUSTERS, AND POSTS. MATCH EXISITNG ON-SITE STYLE**
6.5	**FURNISH AND INSTALL CODE COMPLIANT RAILING AND GUARDRAIL, SEE DETAILS ON A-409.**
6.8	**NEW SURFACE MOUNTED WOOD GUARDRAIL SYSTEM TO MATCH EXISTING ON SITE RAILING - SEE DETAILS**
6.10	**CANTILEVERED CEDAR FRAMED DECK STRUCTURE W/ 8" x 8" POSTS AND X BRACING AT EACH COLUMN BAY. PAINT TO MATCH EXISTING ON-SITE STYLE. FINAL DESIGN TO BE PROVIDED FOLLOWING GEOTECHNICAL REPORT.**
DIVISION 07	
7.3	**NEW FASCIA, SOFFIT, GUTTER (WHERE APPLICABLE) WITH LEAF GUARD - CAP EXPOSED ENDS**
7.4	**DOWNSPOUT. LOCATE ON CORNERBOARD AT CORNERS.**
7.5	**SPLASHBLOCK.**
7.6	**NEW ASPHALT SHINGLE SYSTEM OVER EXISTING/REPAIRED SHEATHING; MATCH EXISTING SIZE, STYLE AND COLOR.**
DIVISION 08	
8.3	**NEW OPERABLE WINDOW IN EXISTING WINDOW OPENING.**
8.4	**REPLACE EXISTING SCREENS, REPLACE DAMAGED SCREEN WOOD SUPPORTS, REPAINT EXISTING WOOD FRAMES.**
8.5	**EXISTING WINDOW TO BE LEFT IN PLACE, PAINTED AND REPAIRED AS NEEDED. WINDOW SHALL NOT BE OPERABLE.**
8.6	**REPLACE EXISTING VENT WITH WATER-TIGHT FAUX VENT TO MATCH EXISTING OPENING SIZE. PAINT TO MATCH EXISTING.**
8.7	**WINDOW TO BE PATCHED, REPAIRED, PAINTED AND MADE TO FUNCTION AS ORIGINALLY INTENDED.**
DIVISION 09	
9.1	**EXISTING WOOD SIDING AND TRIM: PATCH AND REPAIR AS REQUIRED (UP-3); NEW SIDING PROFILE TO MATCH EXISTING; PAINT TO MATCH PARK STANDARD.**

EXISTING FOUNDATION WALL TYPES

HISTORIC EXTERIOR STALAGTITE/ STALAGMITE

EXISTING STONE WALL

EXISTING CMU BLOCK

NOTE: 500 SF OF MASONRY TUCKPOINTING AT THE LOWER DORM CHIMNEY TO BE INCLUDED IN ALTERNATE #1. ANY ADDITIONAL TUCKPOINTING ON HISTORIC STALAGTITE FOUNDATION WALLS AND/OR STONE RETAINING WALLS TO BE COVERED ON A UP-1 UNIT PRICE BASIS. GC TO PROVIDE DOCUMENTATION ON AREAS AND AMOUNTS OF REPAIR TUCKPOINTING.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER
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DEPARTMENT OF NATURAL
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ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

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RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

DATE: DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

EXTERIOR ELEVATIONS - LOWER DORM & FAMILY CABIN

SHEET NUMBER:

A-202

SHEET 123 of 219
ISSUE DATE 11/26/2025

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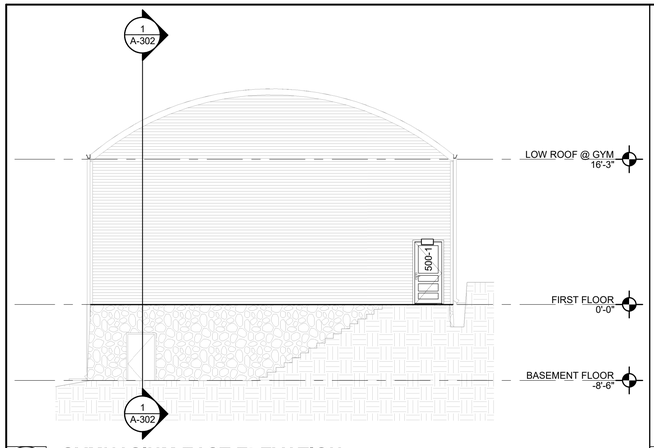
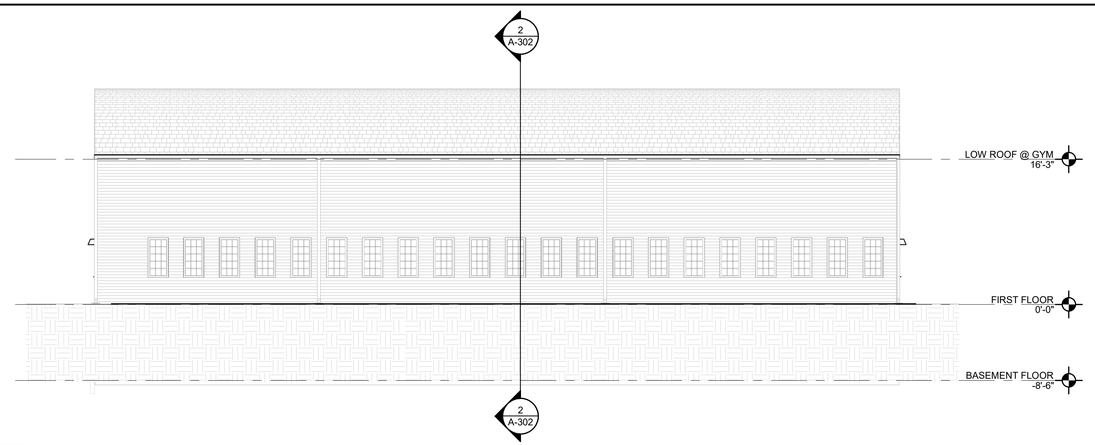


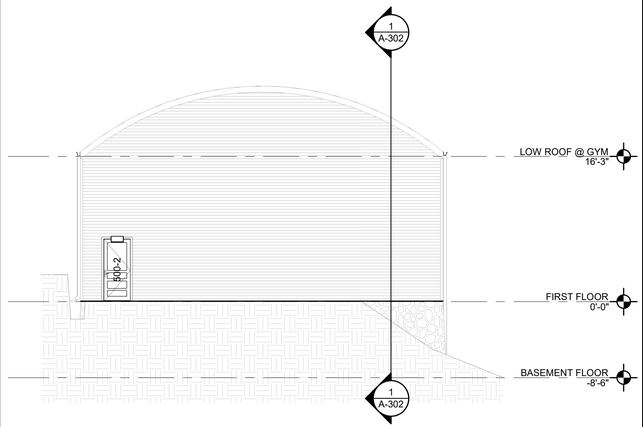
7 GYMNASIUM EAST ELEVATION

SCALE: 1/8" = 1'-0"



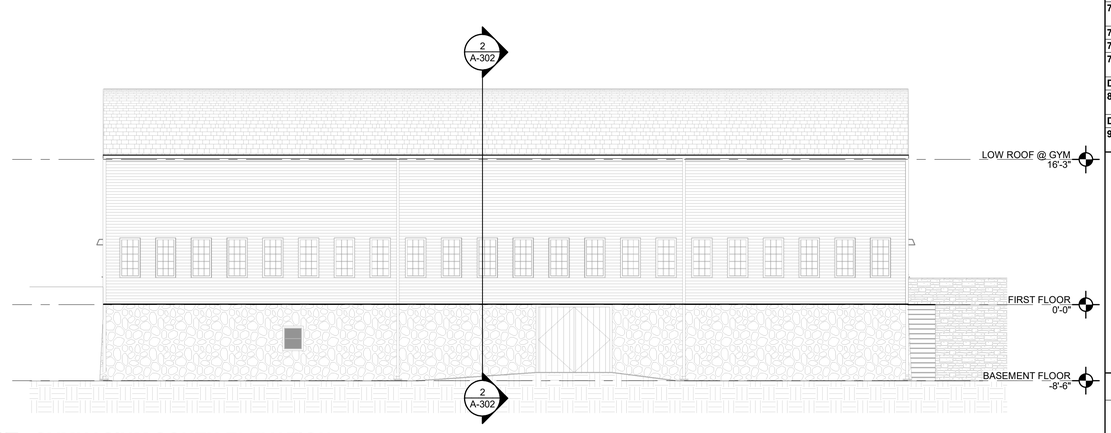
8 GYMNASIUM NORTH ELEVATION

SCALE: 1/8" = 1'-0"



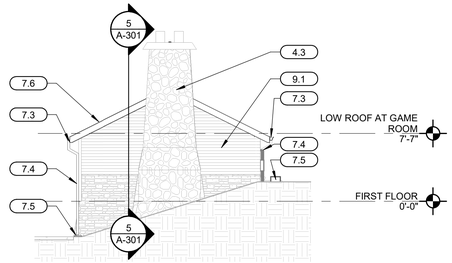
5 GYMNASIUM WEST ELEVATION

SCALE: 1/8" = 1'-0"



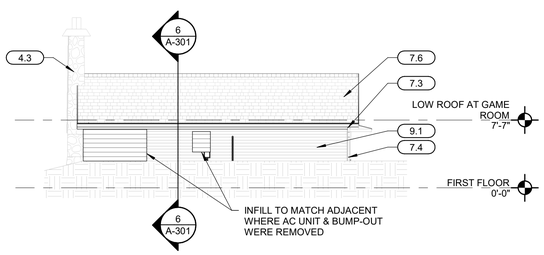
6 GYMNASIUM SOUTH ELEVATION

SCALE: 1/8" = 1'-0"



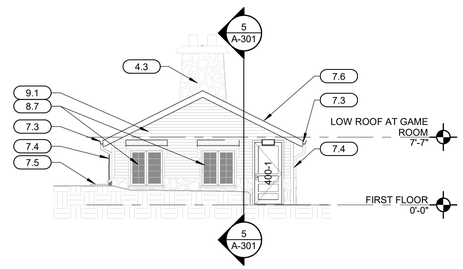
3 GAME ROOM EAST ELEVATION - ALTERNATE #3

SCALE: 1/8" = 1'-0"



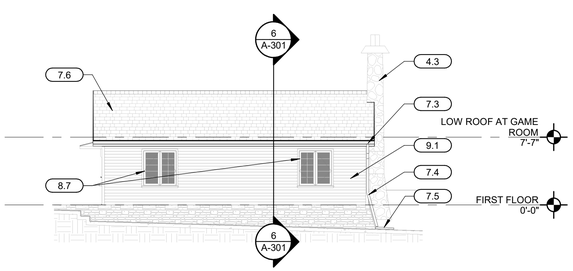
4 GAME ROOM NORTH ELEVATION - ALTERNATE #3

SCALE: 1/8" = 1'-0"



1 GAME ROOM WEST ELEVATION - ALTERNATE #3

SCALE: 1/8" = 1'-0"



2 GAME ROOM SOUTH ELEVATION - ALTERNATE #3

SCALE: 1/8" = 1'-0"

ELEVATIONS GENERAL NOTES

A. CLEAN ALL EXISTING STONE. UTILIZE UNIT PRICE NO. UP-1 STONE AND MASONRY TUCKPOINTING FOR ANY REQUIRED TUCKPOINTING AT EXISTING STONE MASONRY. MATCH EXISTING GROUT COLOR AND AGGREGATE. CONTRACTOR TO DOCUMENT AREA REQUIRING TUCKPOINTING PRIOR TO START OF WORK.

B. REPAIR/REFINISH ALL WINDOWS

C. PATCH AND REPAIR FASCIA, SOFFIT, RAFTERS, CORNER BOARDS, TRIM, WINDOW, DOOR, AND SCREEN TRIM TO BE PAINTED.

D. PATCH, REPAIR, AS REQ'D ALL SIDING TO BE PAINTED.

E. ALL REPLACEMENT SIDING TO MATCH EXISTING (UP-3).

KEYNOTES (BY DIVISION) x.x

DIVISION 04	
4.3	**CLEAN ALL EXISTING STONE. TUCKPOINT STONE AS REQ'S, MATCH EXISTING GROUT COLOR AND AGGREGATE.**
DIVISION 07	
7.3	**NEW FASCIA, SOFFIT, GUTTER (WHERE APPLICABLE) WITH LEAF GUARD - CAP EXPOSED ENDS**
7.4	**DOWNSPOUT. LOCATE ON CORNERBOARD AT CORNERS.**
7.5	**SPLASHBLOCK.**
7.6	**NEW ASPHALT SHINGLE SYSTEM OVER EXISTING/REPAIRED SHEATHING; MATCH EXISTING SIZE, STYLE AND COLOR.**
DIVISION 08	
8.7	**WINDOW TO BE PATCHED, REPAIRED, PAINTED AND MADE TO FUNCTION AS ORIGINALLY INTENDED.**
DIVISION 09	
9.1	**EXISTING WOOD SIDING AND TRIM: PATCH AND REPAIR AS REQUIRED (UP-3); NEW SIDING PROFILE TO MATCH EXISTING; PAINT TO MATCH PARK STANDARD.**

EXISTING FOUNDATION WALL TYPES

HISTORIC EXTERIOR STALAGTITE/ STALAGMITE

EXISTING STONE WALL

EXISTING CMU BLOCK

NOTE: 500 SF OF MASONRY TUCKPOINTING AT THE GAME ROOM CHIMNEY AND FIREPLACE TO BE INCLUDED IN ALTERNATE #3 - ANY ADDITIONAL TUCKPOINTING ON HISTORIC STALAGTITE FOUNDATION WALLS AND/OR STONE RETAINING WALLS TO BE COVERED ON A UP-1 UNIT PRICE BASIS. GC TO PROVIDE DOCUMENTATION ON AREAS AND AMOUNTS OF REPAIR TUCKPOINTING.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☒	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☒	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

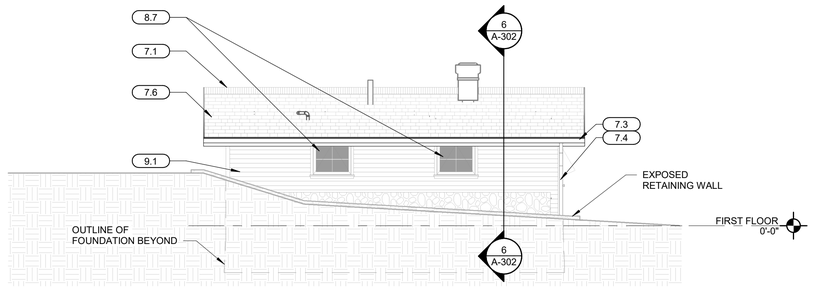
EXTERIOR ELEVATIONS - GYMNASIUM & GAME ROOM

SHEET NUMBER:

A-203

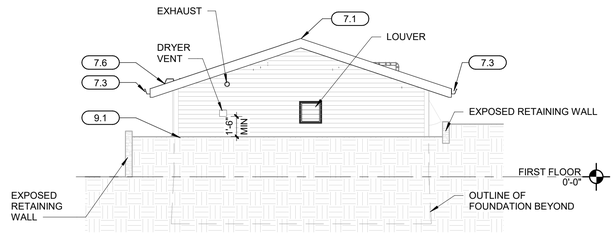
SHEET 124 of 219
ISSUE DATE 11/26/2025

11/25/2025 3:30:04 PM



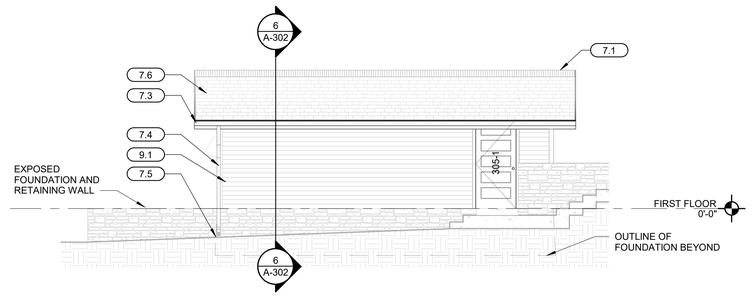
4 RESTROOM NORTH ELEVATION

SCALE: 3/16" = 1'-0"



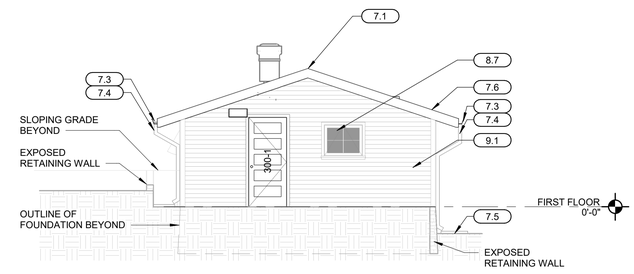
3 RESTROOM EAST ELEVATION

SCALE: 3/16" = 1'-0"



2 RESTROOM SOUTH ELEVATION

SCALE: 3/16" = 1'-0"



1 RESTROOM WEST ELEVATION

SCALE: 3/16" = 1'-0"

ELEVATIONS GENERAL NOTES

A. CLEAN ALL EXISTING STONE. UTILIZE UNIT PRICE NO. UP-1 STONE AND MASONRY TUCKPOINTING FOR ANY REQUIRED TUCKPOINTING AT EXISTING STONE MASONRY. MATCH EXISTING GROUT COLOR AND AGGREGATE. CONTRACTOR TO DOCUMENT AREA REQUIRING TUCKPOINTING PRIOR TO START OF WORK.

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D. PATCH, REPAIR, AS REQ'D ALL SIDING TO BE PAINTED.

E. ALL REPLACEMENT SIDING TO MATCH EXISTING (UP-3).

KEYNOTES (BY DIVISION) x.x

DIVISION 07	
7.1	**SHINGLE OVER RIDGE VENT.**
7.3	**NEW FASCIA, SOFFIT, GUTTER (WHERE APPLICABLE) WITH LEAF GUARD - CAP EXPOSED ENDS**
7.4	**DOWNSPOUT. LOCATE ON CORNERBOARD AT CORNERS.**
7.5	**SPLASHBLOCK.**
7.6	**NEW ASPHALT SHINGLE SYSTEM OVER EXISTING/REPAIRED SHEATHING; MATCH EXISTING SIZE, STYLE AND COLOR.**
DIVISION 08	
8.7	**WINDOW TO BE PATCHED, REPAIRED, PAINTED AND MADE TO FUNCTION AS ORIGINALLY INTENDED.**
DIVISION 09	
9.1	**EXISTING WOOD SIDING AND TRIM: PATCH AND REPAIR AS REQUIRED (UP-3); NEW SIDING PROFILE TO MATCH EXISTING; PAINT TO MATCH PARK STANDARD.**

EXISTING FOUNDATION WALL TYPES

HISTORIC EXTERIOR STALAGTITE/ STALAGMITE

EXISTING STONE WALL

EXISTING CMU BLOCK

STATE OF MISSOURI
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DEPARTMENT OF NATURAL
RESOURCES DIVISION OF STATE
PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

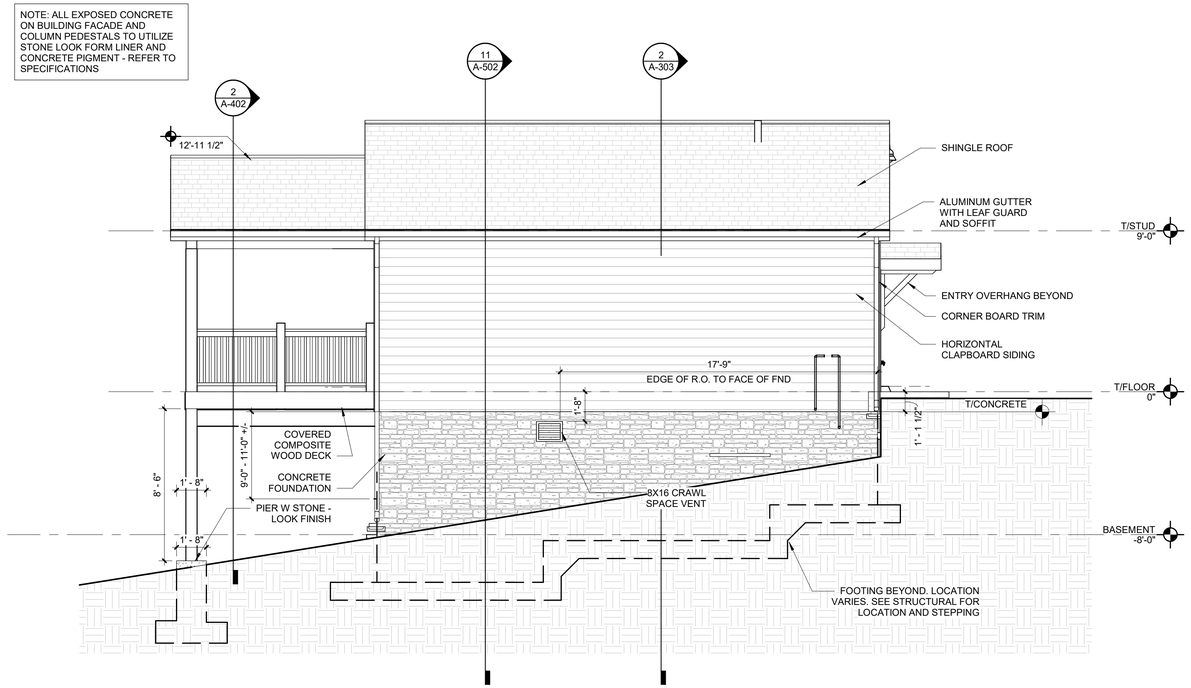
EXTERIOR ELEVATIONS - RESTROOM

SHEET NUMBER:

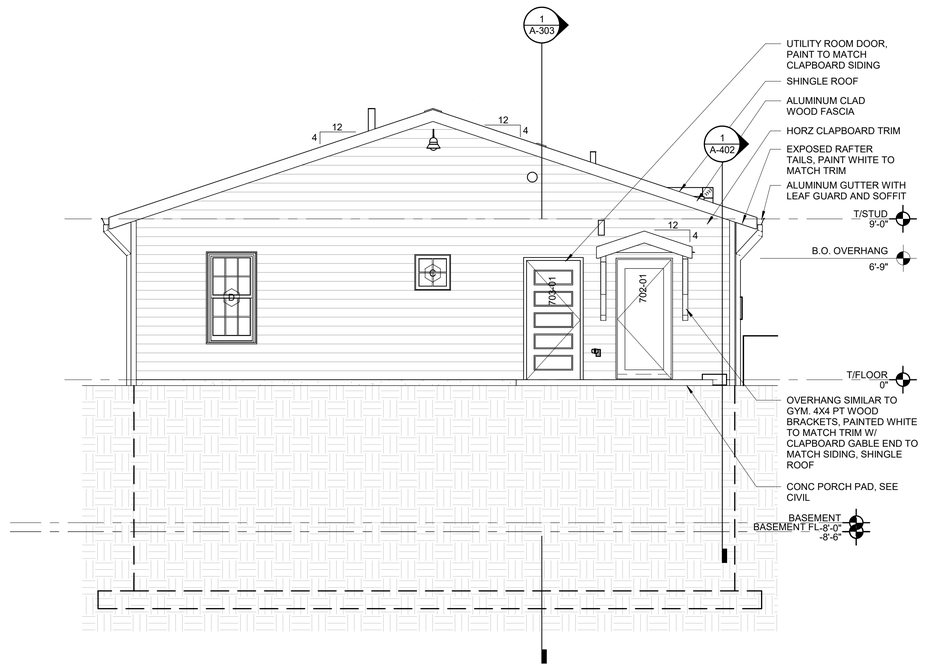
A-204

SHEET 125 of 219
ISSUE DATE 11/26/2025

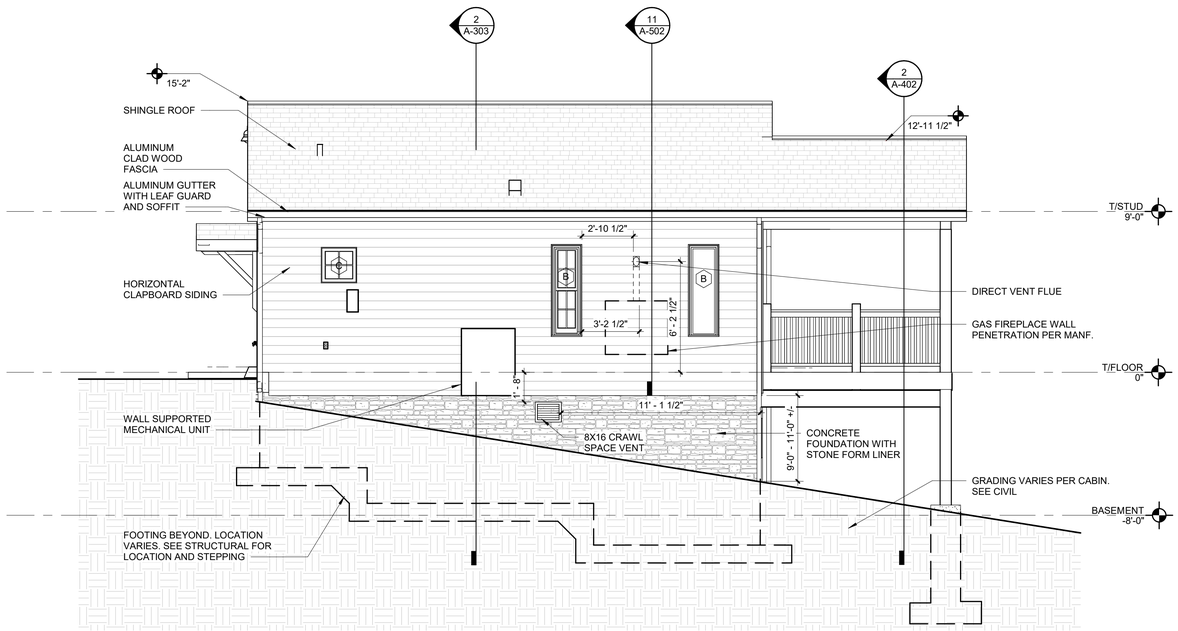
11/26/2025 3:50:11 PM



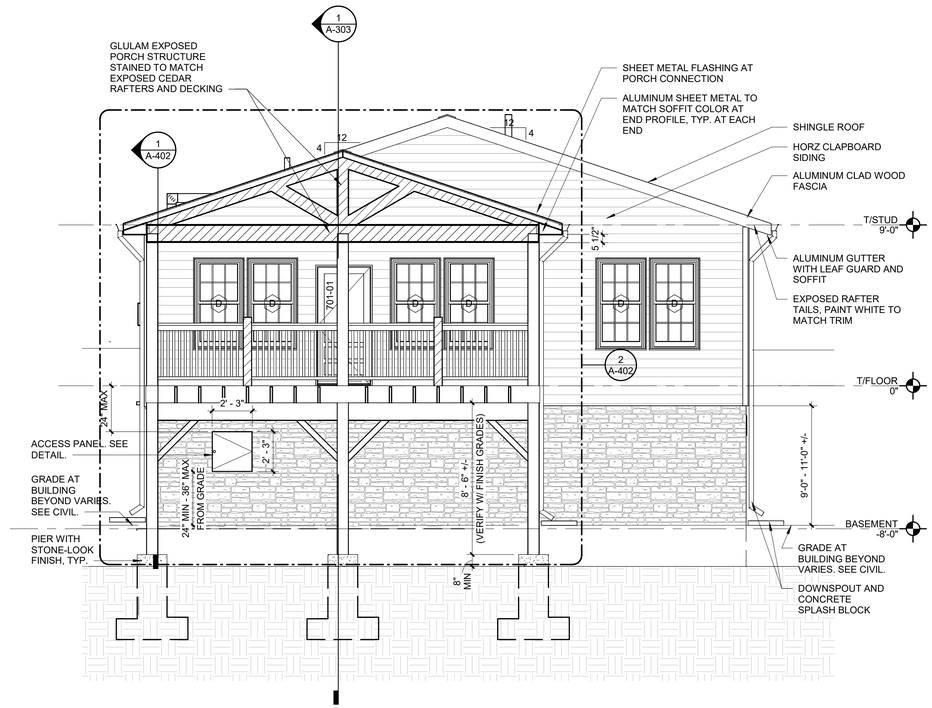
4 **TWO BEDROOM CABIN NORTH ELEVATION**
SCALE: 1/4" = 1'-0"
0 2 4 8



2 **TWO BEDROOM CABIN WEST ELEVATION**
SCALE: 1/4" = 1'-0"
0 2 4 8



3 **TWO BEDROOM CABIN SOUTH ELEVATION**
SCALE: 1/4" = 1'-0"
0 2 4 8



1 **TWO BEDROOM CABIN EAST ELEVATION**
SCALE: 1/4" = 1'-0"
0 2 4 8

11/26/2025 4:14:41 PM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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NICHOLAS RYAN BRUNER
NUMBER A-2018007676
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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ
CHECKED BY: NRB
DESIGNED BY: NRB

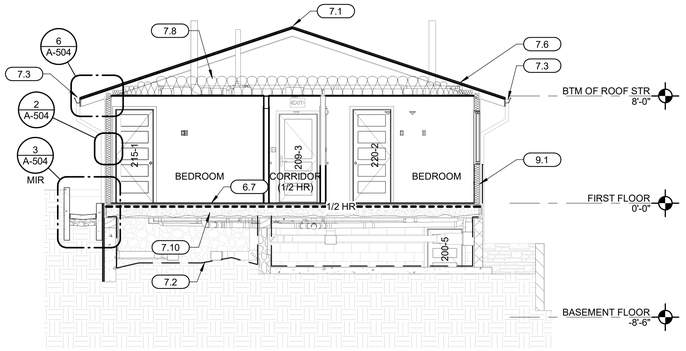
SHEET TITLE:

EXTERIOR ELEVATIONS - TWO BEDROOM CABIN

SHEET NUMBER:

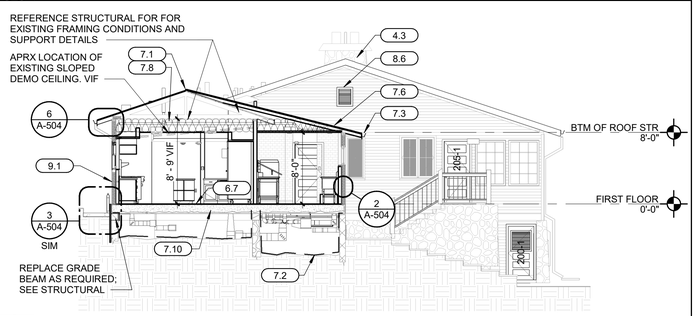
A-205

SHEET 126 of 219
ISSUE DATE 11/26/2025



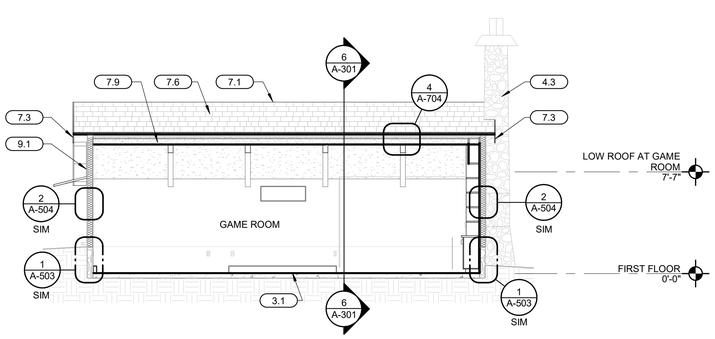
8 LODGE SECTION THRU SLEEPING ROOMS

SCALE: 3/16" = 1'-0"



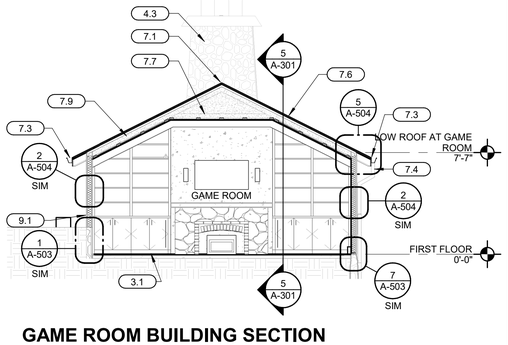
7 LODGE SECTION THRU KITCHEN

SCALE: 1/8" = 1'-0"



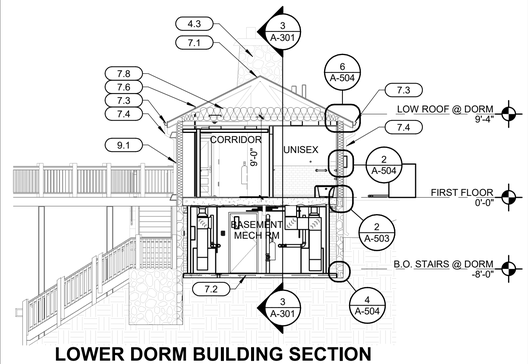
5 GAME ROOM BUILDING SECTION EAST/WEST - ALTERNATE #3

SCALE: 3/16" = 1'-0"



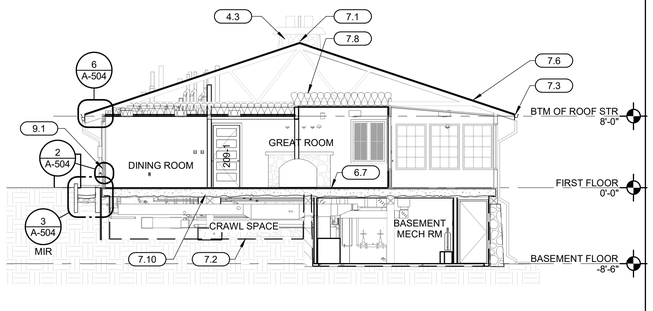
6 GAME ROOM BUILDING SECTION NORTH/SOUTH - ALTERNATE #3

SCALE: 3/16" = 1'-0"



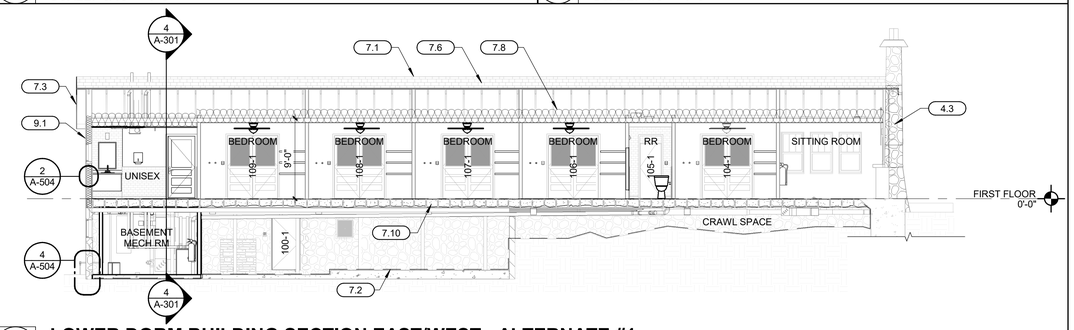
4 LOWER DORM BUILDING SECTION NORTH/SOUTH - ALTERNATE #1

SCALE: 1/8" = 1'-0"



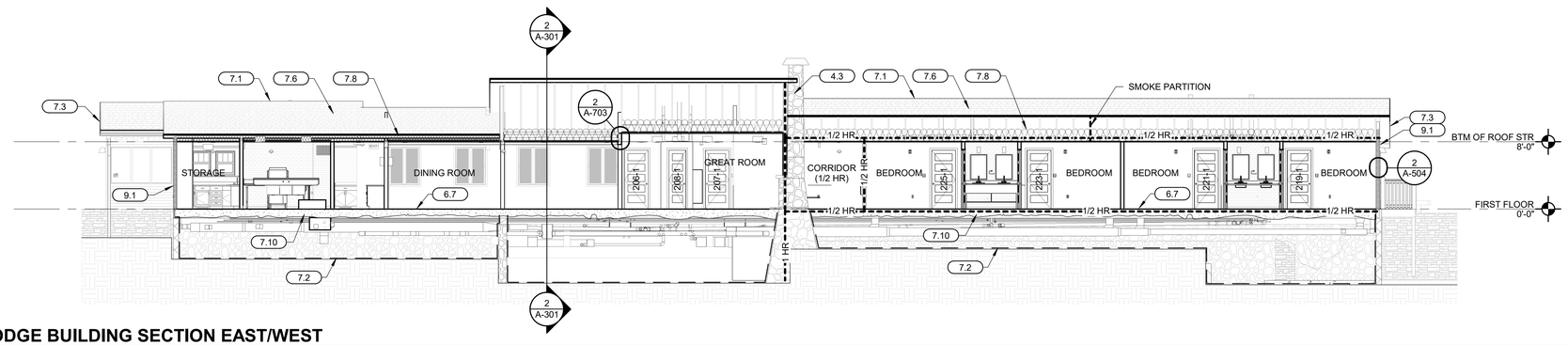
2 LODGE SECTION THRU GREAT RM/ PORCH/ MECH RM

SCALE: 1/8" = 1'-0"



3 LOWER DORM BUILDING SECTION EAST/WEST - ALTERNATE #1

SCALE: 1/8" = 1'-0"



1 LODGE BUILDING SECTION EAST/WEST

SCALE: 1/8" = 1'-0"

KEYNOTES (BY DIVISION) x.x

DIVISION 03	
3.1	POUR SELF LEVELING LIGHT WEIGHT CONCRETE TOPPING OVER NEW VAPOR BARRIER ON EXISTING CONCRETE SLAB; ALIGN WITH NEW DOOR.
DIVISION 04	
4.3	CLEAN ALL EXISTING STONE. TUCKPOINT STONE AS REQ'S, MATCH EXISTING GROUT COLOR AND AGGREGATE.
DIVISION 06	
6.7	INSTALL 3/4" PLYWOOD ON FLOOR AND SHIM AS REQ'D TO LEVEL FLOOR. INSTALL THROUGHOUT THE ENTIRETY OF THE FIRST FLOOR LODGE WITH THE EXCEPTION OF THE PORCH (201) AND THE FRONT PORCH (205).
DIVISION 07	
7.1	SHINGLE OVER RIDGE VENT.
7.2	FURNISH AND INSTALL VAPOR BARRIER. SEE TYPICAL DETAILS.
7.3	NEW FASCIA, SOFFIT, GUTTER (WHERE APPLICABLE) WITH LEAF GUARD - CAP EXPOSED ENDS
7.4	DOWNSPOUT. LOCATE ON CORNERBOARD AT CORNERS.
7.6	NEW ASPHALT SHINGLE SYSTEM OVER EXISTING/REPAIRED SHEATHING; MATCH EXISTING SIZE, STYLE AND COLOR.
7.7	R-49 MIN INSULATION, STRAP COLLAR TIES AS REQUIRED FOR SUPPORT; MAINTAIN VENTED COLD ROOF.
7.8	R-49 MIN LOOSE FILL INSULATION.
7.9	APPLY SPRAY FOAM INSULATION TO FILL RAFTER BAYS AT SLOPED CEILINGS, PROVIDE BAFFLE, SEE DETAIL.
7.10	APPLY SPRAY FOAM INSULATION TO THE UNDERSIDE OF THE FLOOR SHEATHING BETWEEN JOISTS; TIE INTO VAPOR BARRIER BELOW; SEE DETAILS.
DIVISION 09	
9.1	EXISTING WOOD SIDING AND TRIM: PATCH AND REPAIR AS REQUIRED (UP-3); NEW SIDING PROFILE TO MATCH EXISTING; PAINT TO MATCH PARK STANDARD.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

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Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☐
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Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

BUILDING SECTIONS - LODGE, LOWER DORM & GAME ROOM

SHEET NUMBER:

A-301

SHEET 127 of 219
ISSUE DATE 11/26/2025

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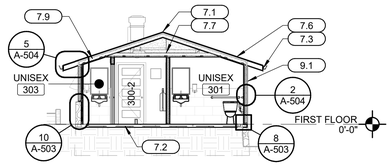
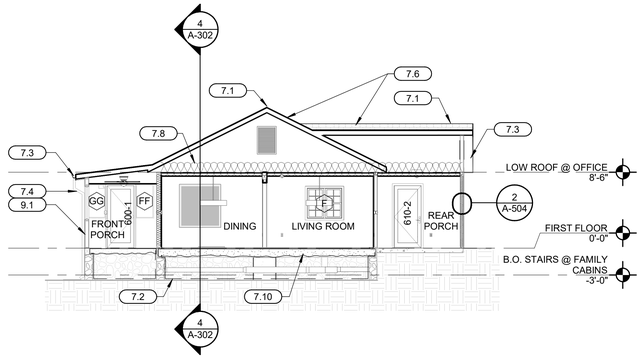


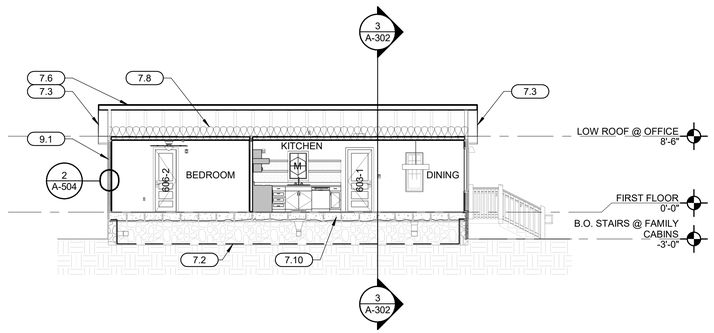
6 RESTROOM BUILDING SECTION NORTH/SOUTH

SCALE: 1/8" = 1'-0"



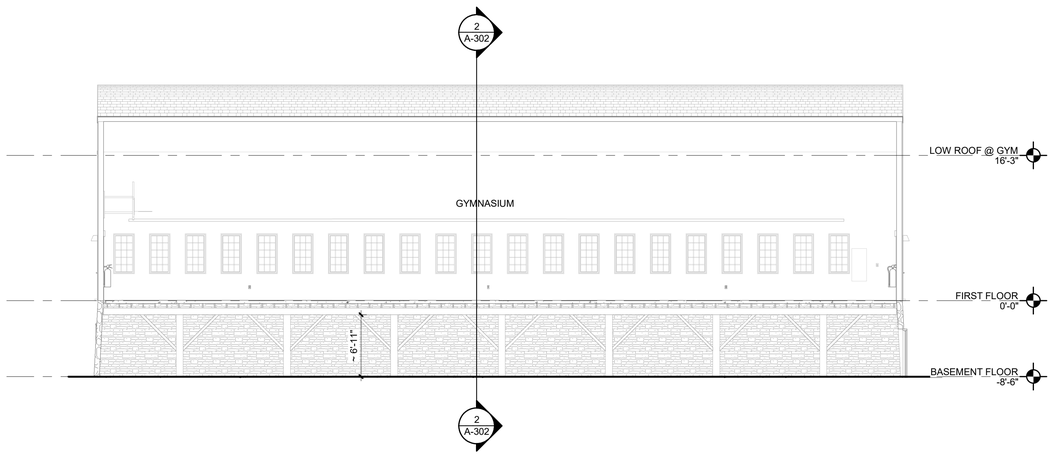
3 FAMILY CABIN BUILDING SECTION EAST/WEST - ALTERNATE #2

SCALE: 1/8" = 1'-0"



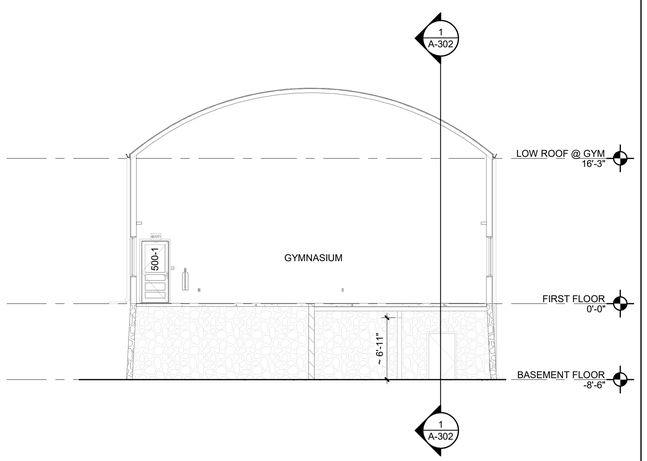
4 FAMILY CABIN BUILDING SECTION NORTH/SOUTH- ALTERNATE #2

SCALE: 1/8" = 1'-0"



1 GYMNASIUM BUILDING SECTION EAST/WEST

SCALE: 1/8" = 1'-0"



2 GYMNASIUM BUILDING SECTION NORTH/SOUTH

SCALE: 1/8" = 1'-0"

KEYNOTES (BY DIVISION) x.x

DIVISION 07	
7.1	SHINGLE OVER RIDGE VENT.
7.2	FURNISH AND INSTALL VAPOR BARRIER. SEE TYPICAL DETAILS.
7.3	NEW FASCIA, SOFFIT, GUTTER (WHERE APPLICABLE) WITH LEAF GUARD - CAP EXPOSED ENDS
7.4	DOWNSPOUT. LOCATE ON CORNERBOARD AT CORNERS.
7.6	NEW ASPHALT SHINGLE SYSTEM OVER EXISTING/REPAIRED SHEATHING; MATCH EXISTING SIZE, STYLE AND COLOR.
7.7	R-49 MIN INSULATION, STRAP COLLAR TIES AS REQUIRED FOR SUPPORT; MAINTAIN VENTED COLD ROOF.
7.8	R-49 MIN LOOSE FILL INSULATION.
7.9	APPLY SPRAY FOAM INSULATION TO FILL RAFTER BAYS AT SLOPED CEILINGS, PROVIDE BAFFLE, SEE DETAIL.
7.10	APPLY SPRAY FOAM INSULATION TO THE UNDERSIDE OF THE FLOOR SHEATHING BETWEEN JOISTS; TIE INTO VAPOR BARRIER BELOW; SEE DETAILS.
DIVISION 09	
9.1	EXISTING WOOD SIDING AND TRIM: PATCH AND REPAIR AS REQUIRED (UP-3); NEW SIDING PROFILE TO MATCH EXISTING; PAINT TO MATCH PARK STANDARD.

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MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

BUILDING SECTIONS - GYMNASIUM, FAMILY CABIN, & RESTROOM

SHEET NUMBER:

A-302

SHEET 128 of 219
ISSUE DATE 11/26/2025

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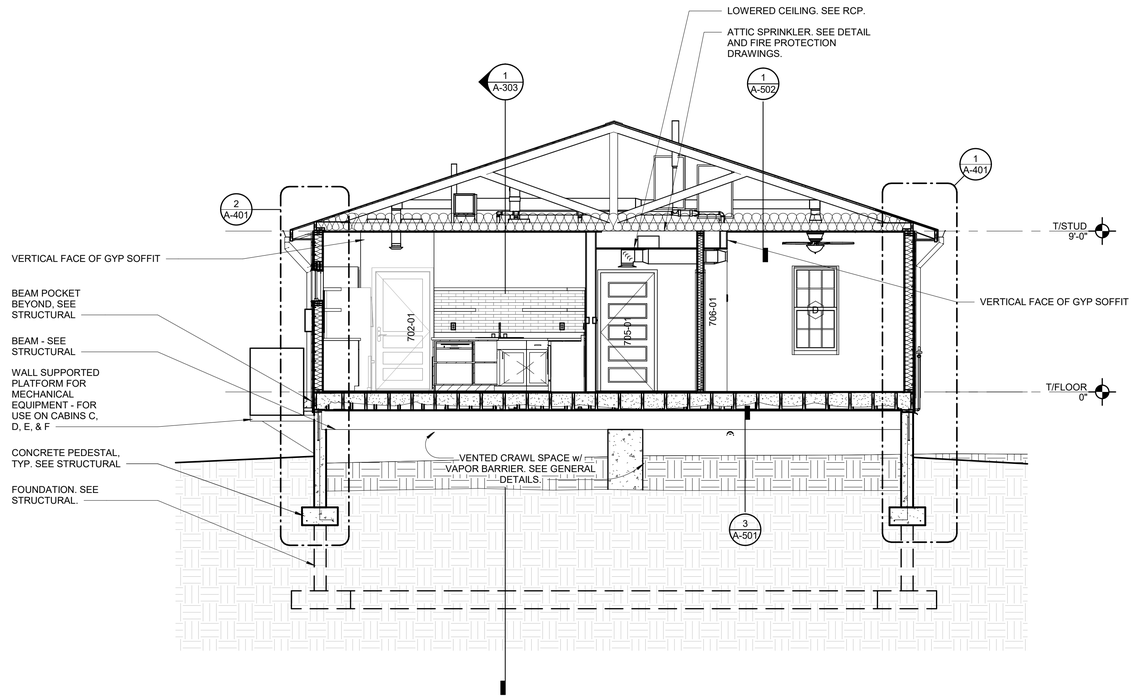
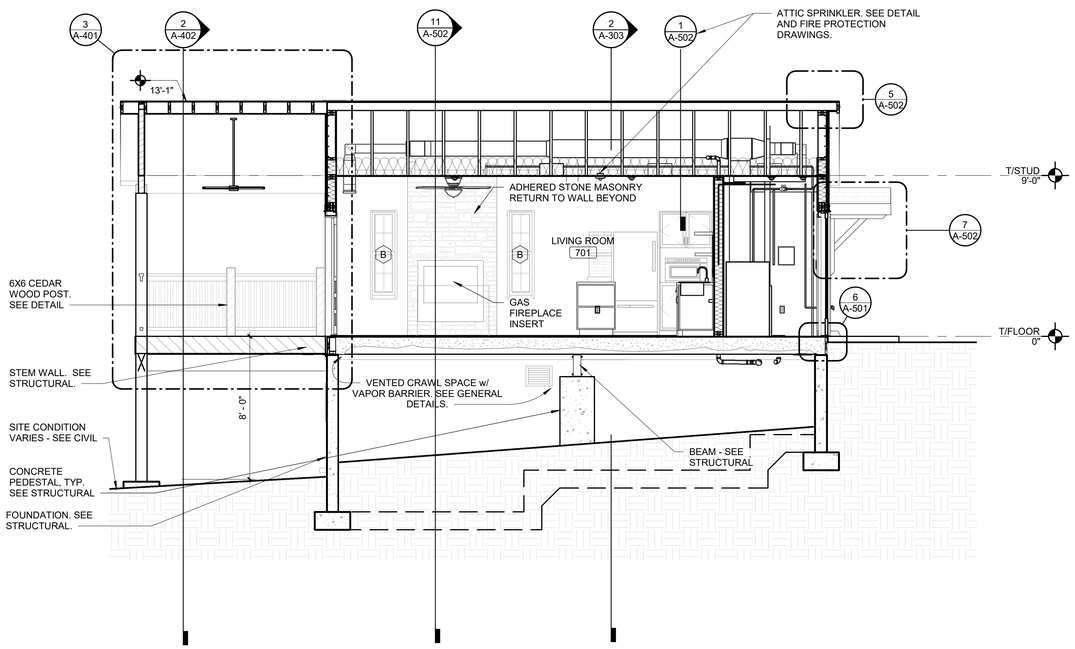


2 2 BEDROOM - SECTION THRU SIDE WALLS

SCALE: 1/4" = 1'-0"

0 2 4 8



1 2 BEDROOM SECTION THRU FRONT AND BACK

SCALE: 1/4" = 1'-0"

0 2 4 8

11/25/2025 4:14:45 PM

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

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Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☒
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ
CHECKED BY: NRB
DESIGNED BY: NRB

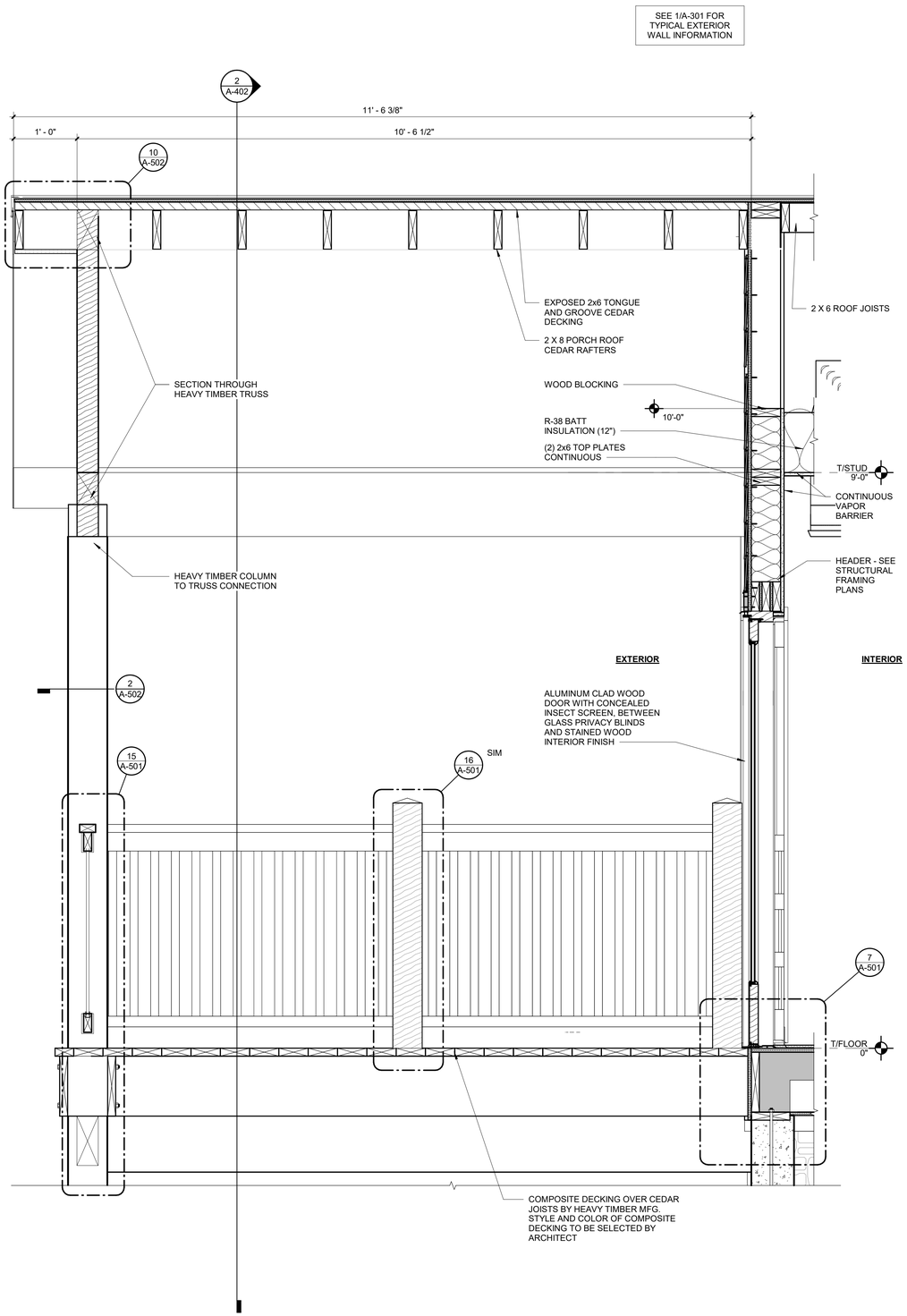
SHEET TITLE:

BUILDING SECTIONS - TWO BEDROOM CABIN

SHEET NUMBER:

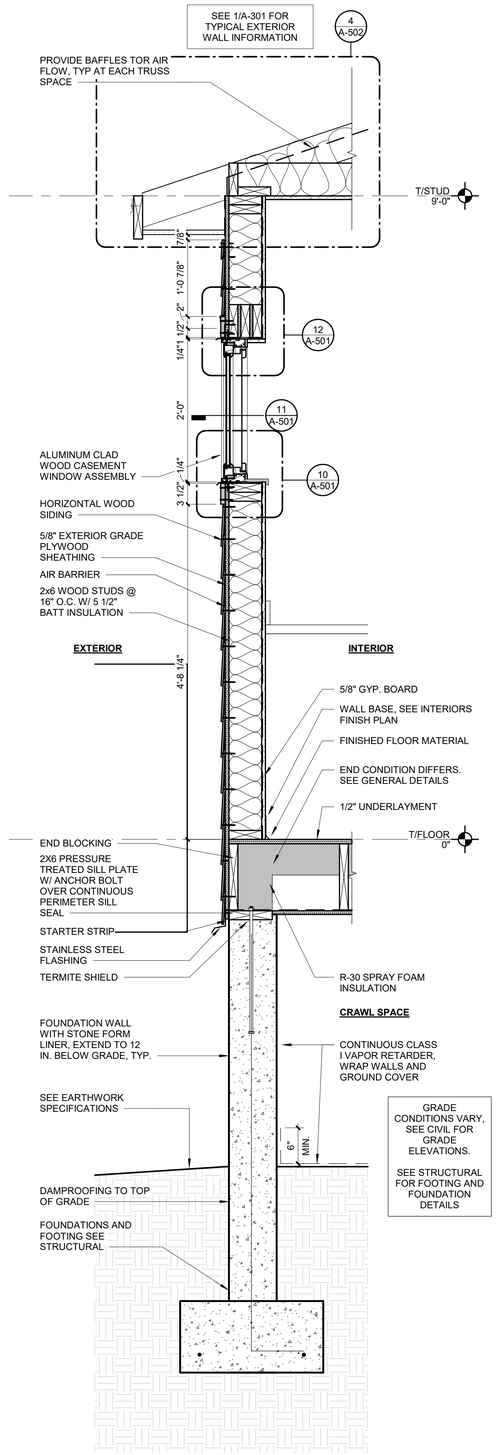
A-303

SHEET 129 of 219
ISSUE DATE 11/26/2025



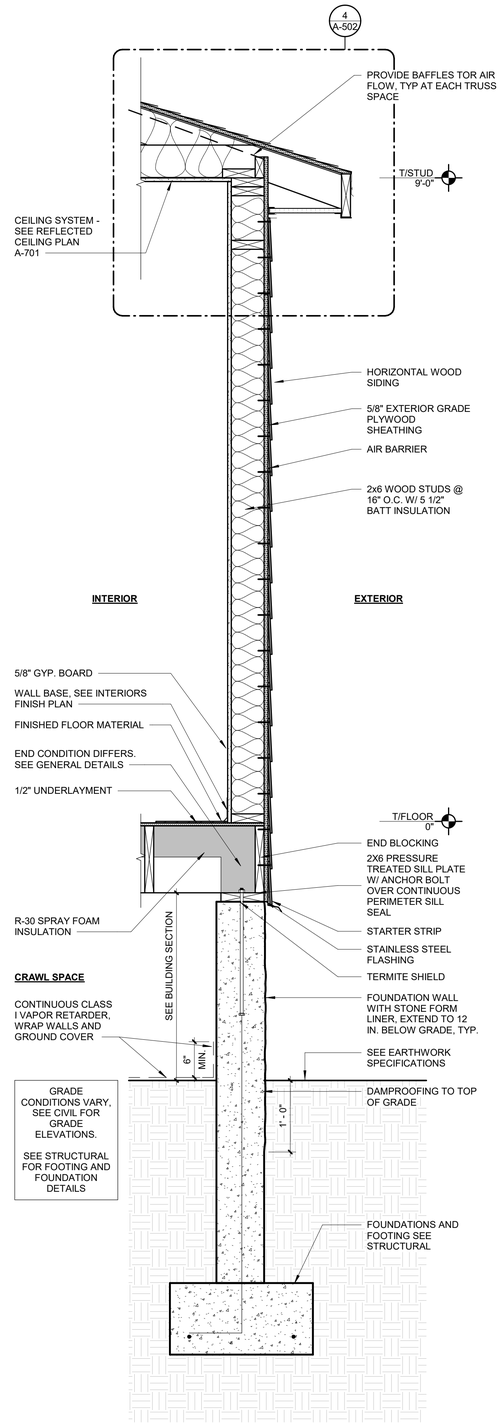
3 **WALL SECTION @ PORCH - 2 BEDROOM CABIN**

SCALE: 1" = 1'-0"



2 **WALL SECTION @ CASEMENT WINDOW - 2 BEDROOM CABIN**

SCALE: 1" = 1'-0"



1 **TYPICAL WALL SECTION - 2 BEDROOM CABIN**

SCALE: 1" = 1'-0"

11/26/2025 4:44:47 PM

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Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

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Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☒
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#	DATE:	DESCRIPTION:

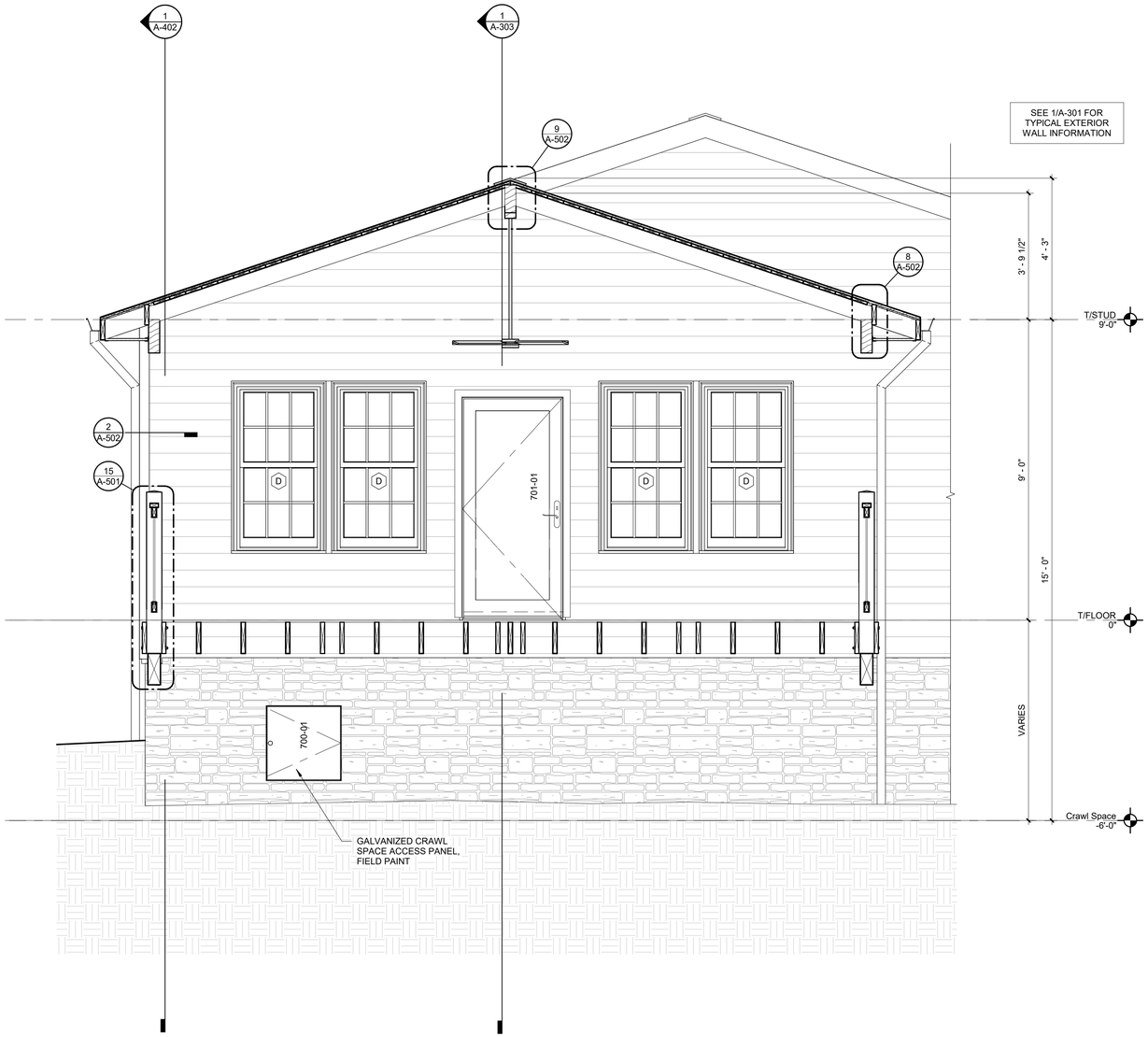
DRAWN BY: JLJ
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

WALL SECTIONS - TWO BEDROOM CABIN

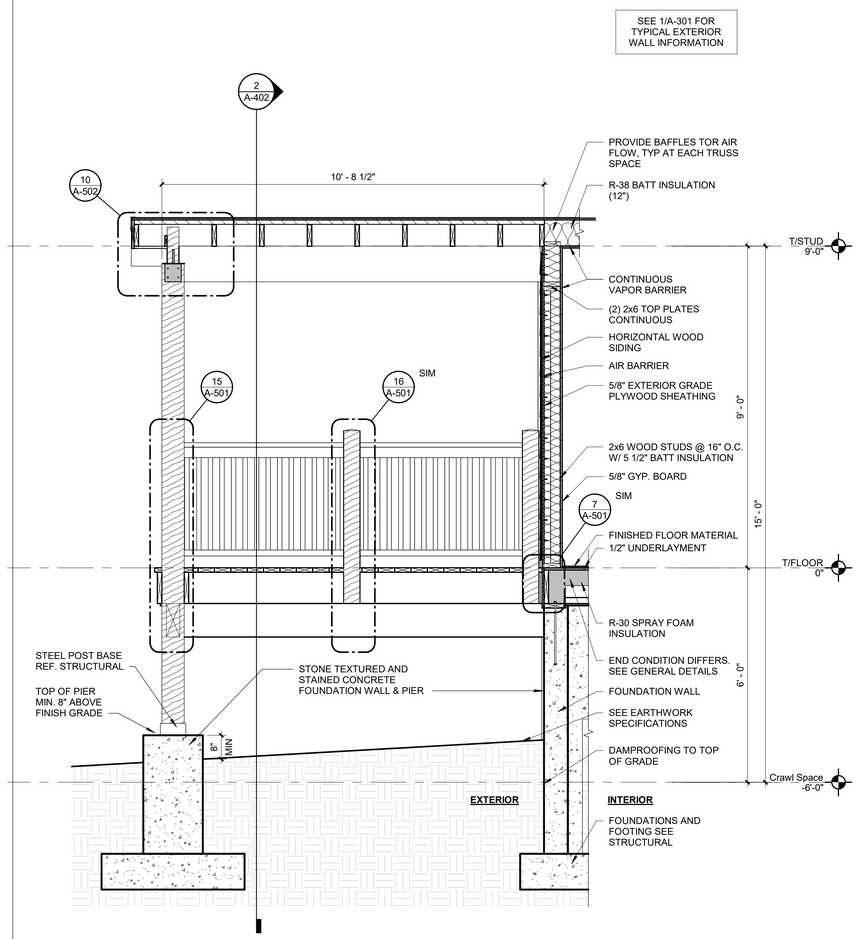
SHEET NUMBER:

A-401



2 **WALL SECTION @ PORCH - 2 BEDROOM CABIN**

SCALE: 1/2" = 1'-0"



1 **WALL SECTION @ PORCH - 2 BEDROOM CABIN**

SCALE: 1/2" = 1'-0"

11/25/2025 4:14:48 PM

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

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RR Building	7815232014	☐	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ
CHECKED BY: NRB
DESIGNED BY: NRB

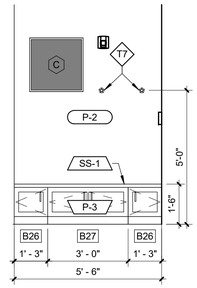
SHEET TITLE:

WALL SECTIONS - TWO BEDROOM CABIN

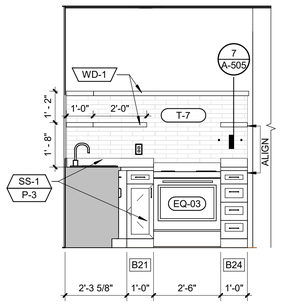
SHEET NUMBER:

A-402

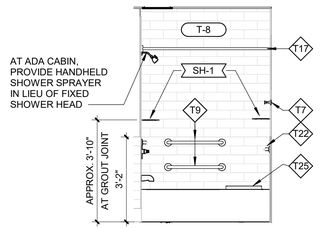
SHEET 131 of 219
ISSUE DATE 11/26/2025



11 ENTRY BENCH
SCALE: 3/8" = 1'-0"



7 ENLARGED KITCHEN - EAST
SCALE: 3/8" = 1'-0"



4 ENLARGED BATHROOM AT TUB
SCALE: 3/8" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

A. SEE G-002 FOR STANDARD MOUNTING HEIGHTS.

B. CONTROL JOINTS SHOWN ARE DESIGNATED FOR AESTHETIC PURPOSES. WHERE CONTROL JOINTS ARE NOT SHOWN, COMPLY WITH REQUIREMENTS AS DICTATED IN THE PARTITION GENERAL NOTES.

C. SEE INTERIORS PLANS AND SCHEDULES FOR PRODUCT INFORMATION.

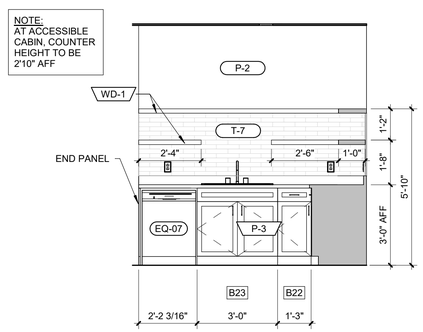
D. SEE SHEET A-604 FOR KEYNOTES, EQUIPMENT, CASEWORK, AND ACCESSORY SCHEDULES.

TOILET ACCESSORY SCHEDULE

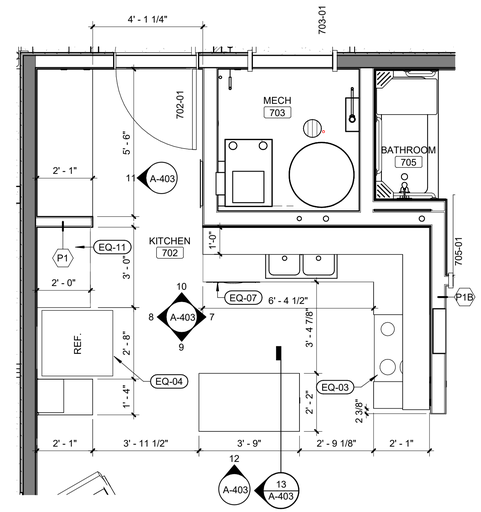
MARK	DESCRIPTION	REMARKS
T1	TOILET TISSUE HOLDER	CFCI
T2	FRAMED MIRROR - SHORT	CFCI
T4	HOTELIER	CFCI
T7	ROBE HOOK	CFCI
T9	GRAB BAR (24")	CFCI
T10	GRAB BAR (36")	CFCI
T11	GRAB BAR (42")	CFCI
T16	TOWEL RING	CFCI
T17	SHOWER ROD (60") (CURTAIN BY OWNER)	CFCI
T22	GRAB BAR (12")	CFCI
T25	REMOVABLE SHOWER SEAT	CFCI

EQUIPMENT LIST

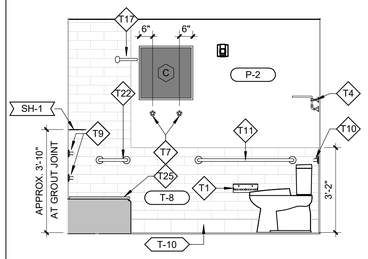
DIVISION 11		
EQ-01	WASHER	OFCI
EQ-02	DRYER	OFCI
EQ-03	RANGE (RESIDENTIAL)	OFOI
EQ-04	REFRIGERATOR (RESIDENTIAL)	OFOI
EQ-05	RANGE HOOD	CFCI
EQ-06	6 BURNER RANGE	CFCI
EQ-07	UNDERCOUNTER DISHWASHER	CFCI
EQ-08	EXHAUST HOOD, SEE MECHANICAL	CFCI
EQ-09	REACH IN FREEZER	CFCI
EQ-10	REACH IN REFRIGERATOR	CFCI
EQ-11	MICROWAVE	OFOI
EQ-12	CLEAN DISHTABLE	CFCI
EQ-13	DISHWASHER, VENTLESS	CFCI
EQ-14	SOILED DISHTABLE	CFCI
EQ-15	THREE COMPARTMENT SINK	CFCI
EQ-16	UNDERCOUNTER ICE MAKER WITH BIN	CFCI
EQ-17	COMMERCIAL COFFEE MAKER	CFCI



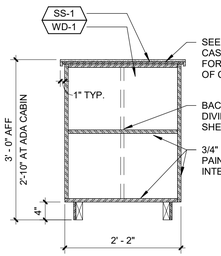
10 ENLARGED KITCHEN - NORTH
SCALE: 3/8" = 1'-0"



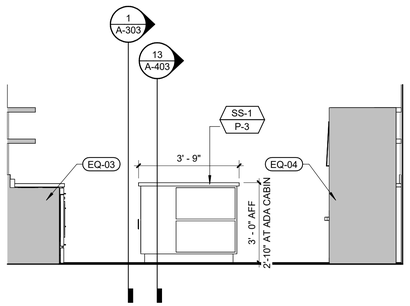
6 ENLARGED KITCHEN 102
SCALE: 3/8" = 1'-0"



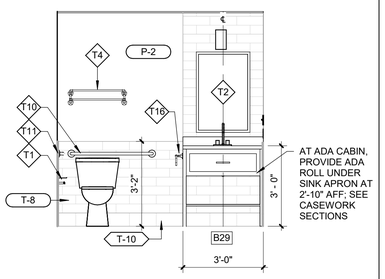
3 ENLARGED BATHROOM - EAST
SCALE: 3/8" = 1'-0"



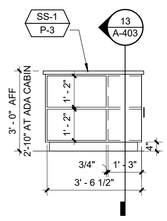
13 KITCHEN - ISLAND SECTION
SCALE: 3/4" = 1'-0"



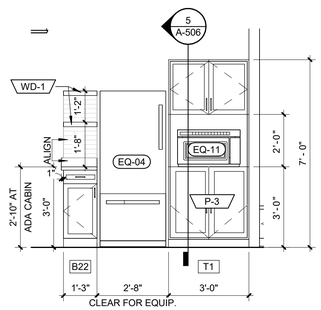
9 ENLARGED KITCHEN - SOUTH
SCALE: 3/8" = 1'-0"



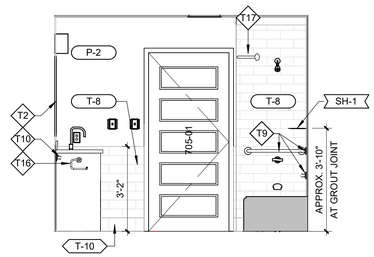
2 ENLARGED BATHROOM - SOUTH
SCALE: 3/8" = 1'-0"



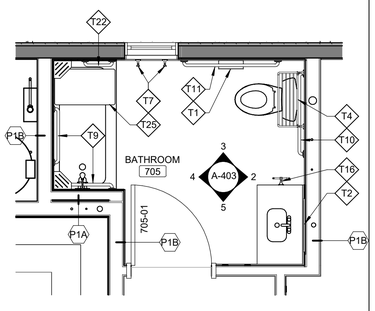
12 KITCHEN ISLAND SOUTH
SCALE: 3/8" = 1'-0"



8 ENLARGED KITCHEN - WEST
SCALE: 3/8" = 1'-0"



5 ENLARGED BATHROOM - WEST
SCALE: 3/8" = 1'-0"



1 ENLARGED BATHROOM 106
SCALE: 3/8" = 1'-0"

STATE OF MISSOURI
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GOVERNOR

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

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Gymnasium	7815232011	(2B)Cabin E	7815232006
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Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

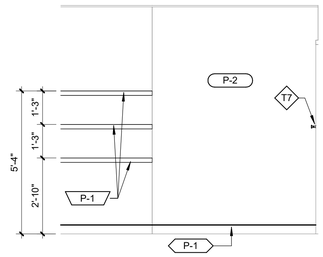
ENLARGED PLANS AND INTERIOR ELEVATIONS - TWO BEDROOM CABIN

SHEET NUMBER:

A-403

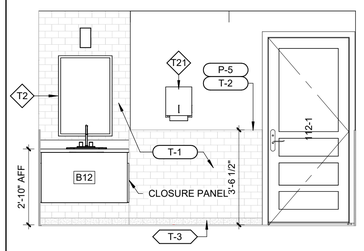
SHEET 132 of 219
ISSUE DATE 11/26/2025

11/25/2025 4:14:49 PM



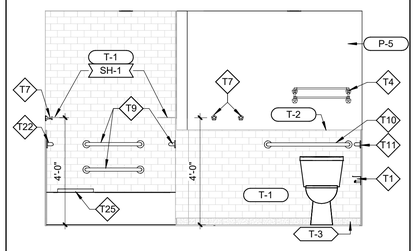
12 LOWER DORM BEDROOM - EAST - ALTERNATE #1

SCALE: 3/8" = 1'-0"



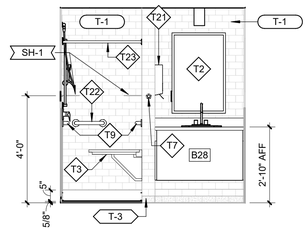
9 UNISEX 112 - SOUTH - ALTERNATE #1

SCALE: 3/8" = 1'-0"



5 UNISEX 112 - NORTH - ALTERNATE #1

SCALE: 3/8" = 1'-0"



3 UNISEX 111 - NORTH - ALTERNATE #1

SCALE: 3/8" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

A. SEE G-002 FOR STANDARD MOUNTING HEIGHTS.

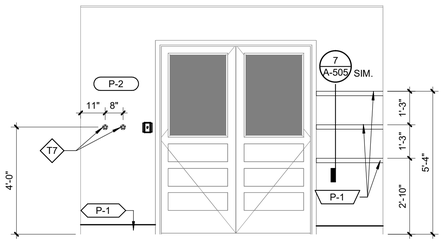
B. CONTROL JOINTS SHOWN ARE DESIGNATED FOR AESTHETIC PURPOSES. WHERE CONTROL JOINTS ARE NOT SHOWN, COMPLY WITH REQUIREMENTS AS DICTATED IN THE PARTITION GENERAL NOTES.

C. SEE INTERIORS PLANS AND SCHEDULES FOR PRODUCT INFORMATION.

D. SEE SHEET A-604 FOR KEYNOTES, EQUIPMENT, CASEWORK, AND ACCESSORY SCHEDULES.

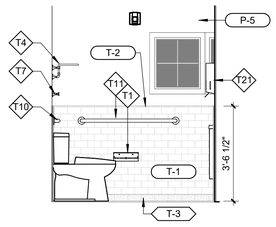
TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	REMARKS
T1	TOILET TISSUE HOLDER	CFCI
T2	FRAMED MIRROR (24"W X 36"H)	CFCI
T3	ADA SHOWER SEAT	CFCI
T4	HOTELIER	CFCI
T5	TOWEL BAR (18"W)	CFCI
T6	SHOWER ROD (42") (CURTAIN BY OWNER)	CFCI
T7	ROBE HOOK	CFCI
T9	GRAB BAR (24")	CFCI
T10	GRAB BAR (36")	CFCI
T11	GRAB BAR (42")	CFCI
T12	L-SHAPED GRAB BAR	CFCI
T13	FRAMED MIRROR (48"W X 36"H)	CFCI
T14	UNDERLAVATORY GUARD	CFCI
T15	SANITARY NAPKIN DISPOSAL	CFCI
T16	TOWEL RING	CFCI
T17	SHOWER ROD (60") (CURTAIN BY OWNER)	CFCI
T18	MULTI ROLL TOILET TISSUE	CFCI
T19	PAPER TOWEL TRASH COMBO	CFCI
T20	SOAP DISPENSER	CFCI
T21	PAPER TOWEL DISPENSER	CFCI
T22	GRAB BAR (12")	CFCI
T23	SHOWER ROD (36") (CURTAIN BY OWNER)	CFCI
T24	UTILITY SHELF WITH MOP/BROOM HOLDER	CFCI
T25	REMOVABLE SHOWER SEAT	CFCI



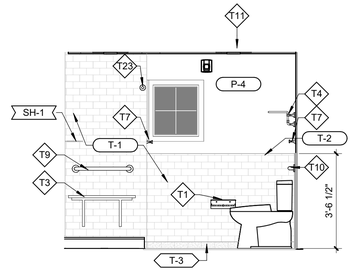
11 LOWER DORM BEDROOM - ENTRANCE WALL TYP. - ALTERNATE #1

SCALE: 3/8" = 1'-0"



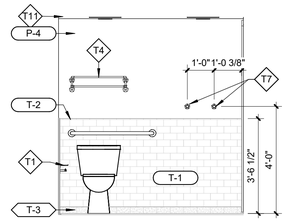
8 UNISEX 112 - EAST - ALTERNATE #1

SCALE: 3/8" = 1'-0"



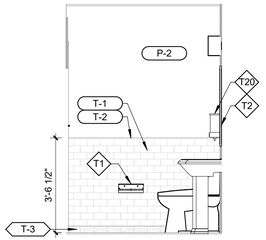
4 UNISEX 111 - EAST - ALTERNATE #1

SCALE: 3/8" = 1'-0"



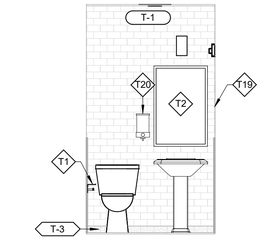
2 UNISEX 111 - SOUTH - ALTERNATE #1

SCALE: 3/8" = 1'-0"



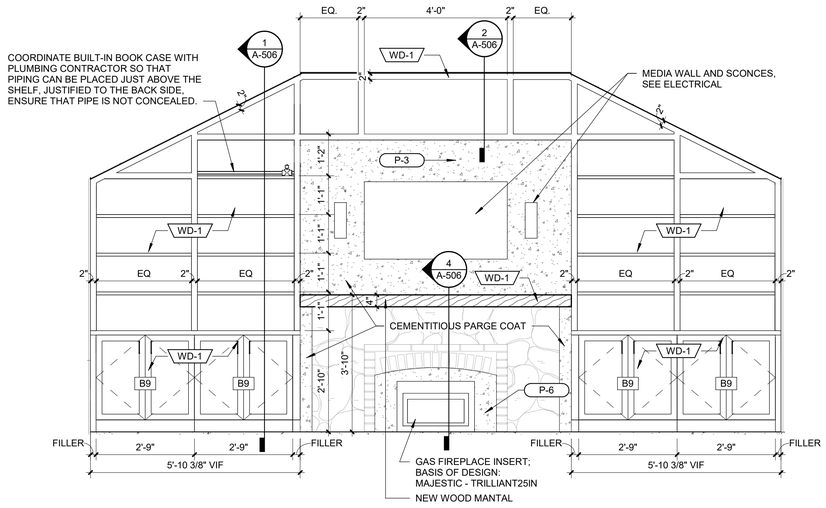
10 LOWER DORM RESTROOM - WEST - ALTERNATE #1

SCALE: 3/8" = 1'-0"



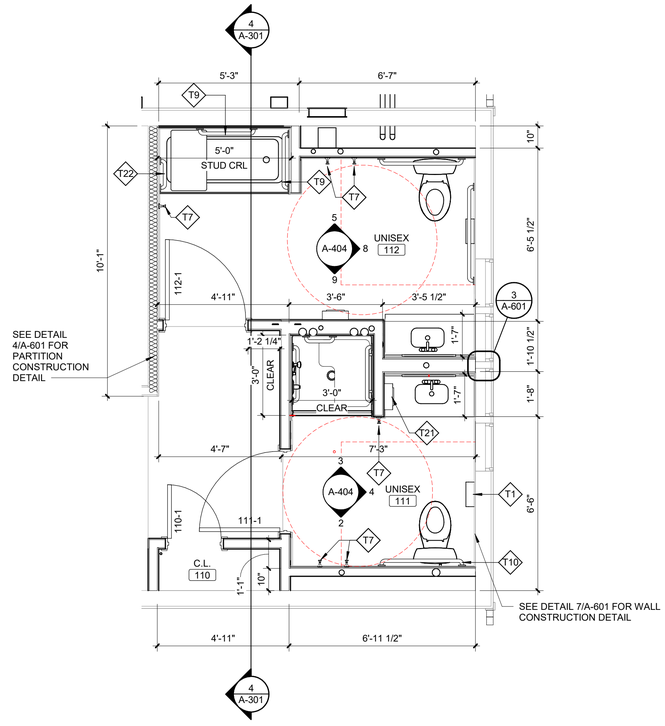
7 LOWER DORM RESTROOM - ALTERNATE #1

SCALE: 3/8" = 1'-0"



6 GAMEROOM - EAST - ALTERNATE #3

SCALE: 1/2" = 1'-0"



1 UNISEX DORM RESTROOMS - ALTERNATE #1

SCALE: 3/8" = 1'-0"

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
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Date: 11/26/2025

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
MR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

ENLARGED PLANS & INTERIOR ELEVATIONS - LOWER DORM & GAME ROOM

SHEET NUMBER:

A-404

SHEET 133 of 219
ISSUE DATE 11/26/2025

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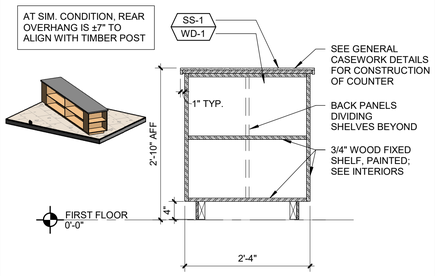
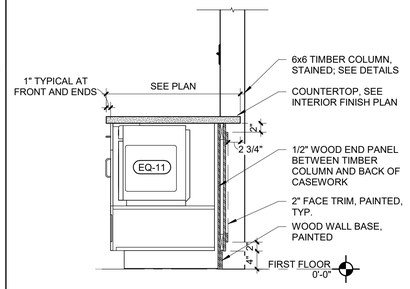


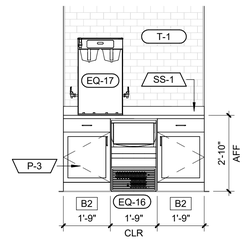
12 LODGE KITCHEN - ISLAND SECTION

SCALE: 3/4" = 1'-0"



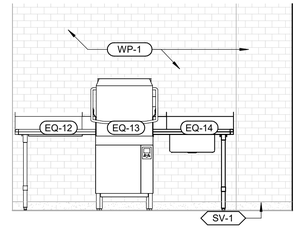
10 KITCHEN SERVING COUNTER

SCALE: 3/4" = 1'-0"



5 ICE MACHINE COUNTER

SCALE: 3/8" = 1'-0"



3 DISHWASHING

SCALE: 3/8" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

A. SEE G-002 FOR STANDARD MOUNTING HEIGHTS.

B. CONTROL JOINTS SHOWN ARE DESIGNATED FOR AESTHETIC PURPOSES. WHERE CONTROL JOINTS ARE NOT SHOWN, COMPLY WITH REQUIREMENTS AS DICTATED IN THE PARTITION GENERAL NOTES.

C. SEE INTERIORS PLANS AND SCHEDULES FOR PRODUCT INFORMATION.

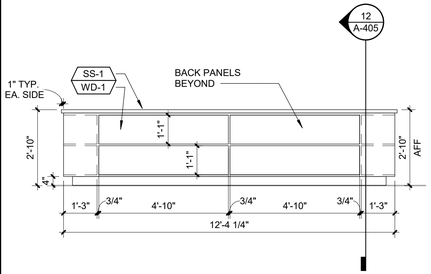
D. SEE SHEET A-604 FOR KEYNOTES, EQUIPMENT, CASEWORK, AND ACCESSORY SCHEDULES.

KEYNOTES (BY DIVISION)

DIVISION 06	
6.6	PROVIDE BLOCKING IN STUD SPACE AS REQ'D FOR RANGE HOOD SUPPORT.

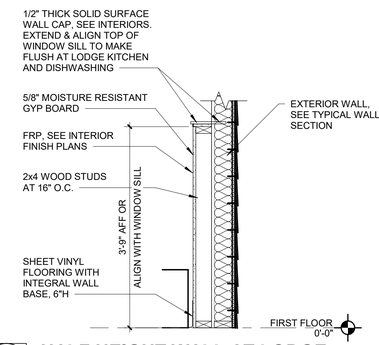
EQUIPMENT LIST

DIVISION 11		
EQ-01	WASHER	OFCI
EQ-02	DRYER	OFCI
EQ-03	RANGE (RESIDENTIAL)	OFOI
EQ-04	REFRIGERATOR (RESIDENTIAL)	OFOI
EQ-05	RANGE HOOD	CFCI
EQ-06	6 BURNER RANGE	CFCI
EQ-07	UNDERCOUNTER DISHWASHER	CFCI
EQ-08	EXHAUST HOOD, SEE MECHANICAL	CFCI
EQ-09	REACH IN FREEZER	CFCI
EQ-10	REACH IN REFRIGERATOR	CFCI
EQ-11	MICROWAVE	OFOI
EQ-12	CLEAN DISHTABLE	CFCI
EQ-13	DISHWASHER, VENTLESS	CFCI
EQ-14	SOILED DISHTABLE	CFCI
EQ-15	THREE COMPARTMENT SINK	CFCI
EQ-16	UNDERCOUNTER ICE MAKER WITH BIN	CFCI
EQ-17	COMMERCIAL COFFEE MAKER	CFCI



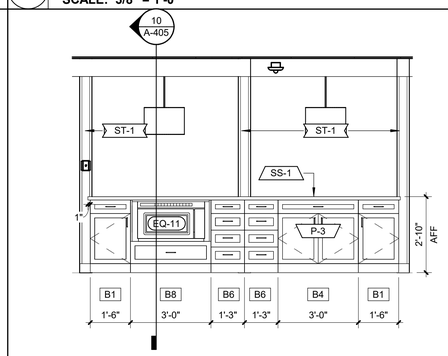
11 LODGE KITCHEN - ISLAND SOUTH

SCALE: 3/8" = 1'-0"



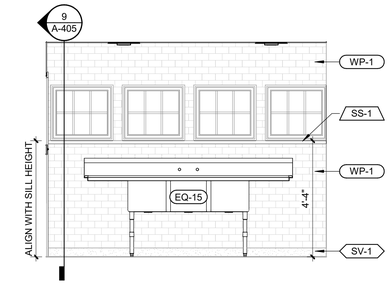
9 HALF HEIGHT WALL AT LODGE

SCALE: 3/4" = 1'-0"



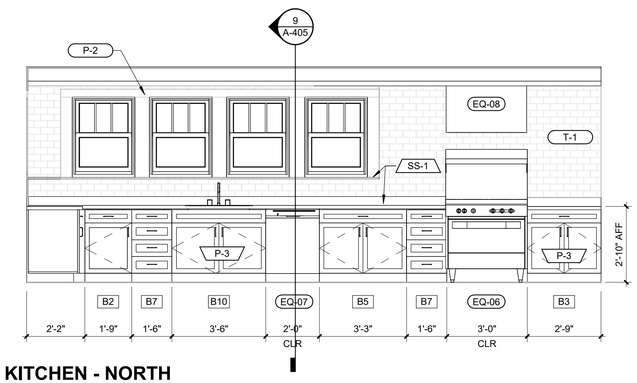
4 SERVING COUNTER

SCALE: 3/8" = 1'-0"



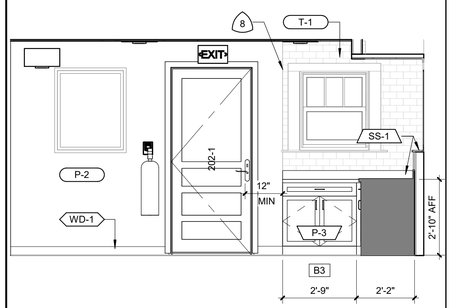
2 DISHWASHING SINK

SCALE: 3/8" = 1'-0"



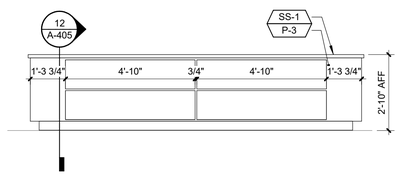
8 LODGE KITCHEN - NORTH

SCALE: 3/8" = 1'-0"



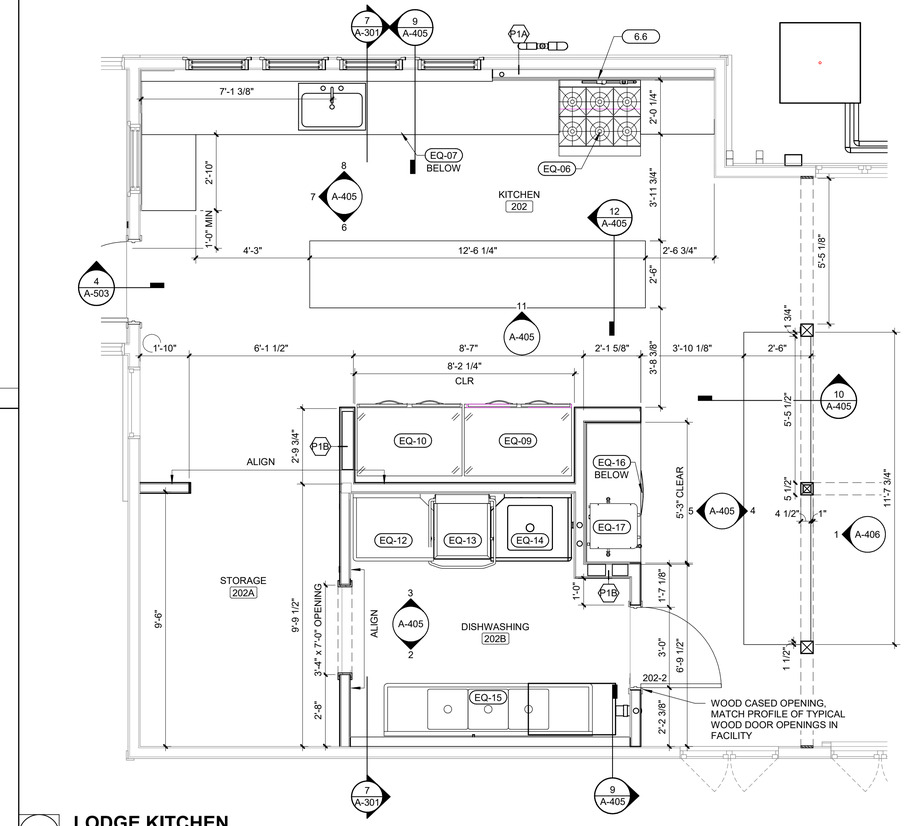
7 LODGE KITCHEN - WEST

SCALE: 3/8" = 1'-0"



6 LODGE KITCHEN - ISLAND NORTH

SCALE: 3/8" = 1'-0"



1 LODGE KITCHEN

SCALE: 3/8" = 1'-0"

1/15/2026 3:30:48 PM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

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Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

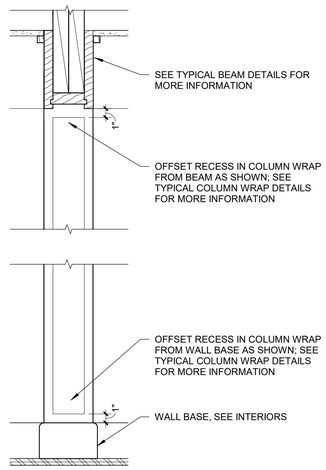
SHEET TITLE:

ENLARGED PLANS & INTERIOR ELEVATIONS - LODGE

SHEET NUMBER:

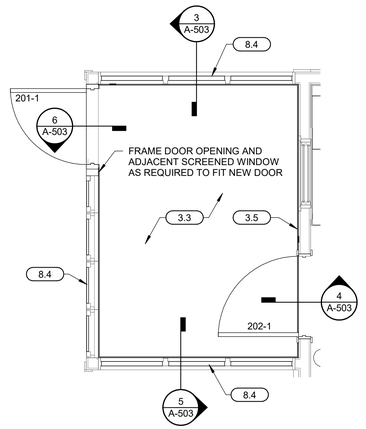
A-405

SHEET 134 of 219
ISSUE DATE 11/26/2025



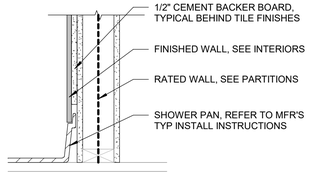
3 TYPICAL COLUMN WRAP ELEVATION

SCALE: 1 1/2" = 1'-0"



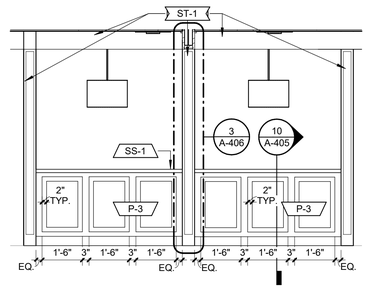
2 LODGE ADA ACCESS SCREENED PORCH PLAN

SCALE: 3/8" = 1'-0"



4 TYP SHOWER PAN AT RATED WALLS

SCALE: 1 1/2" = 1'-0"



1 LODGE ISLAND - DINING SIDE

SCALE: 3/8" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

A. SEE G-002 FOR STANDARD MOUNTING HEIGHTS.

B. CONTROL JOINTS SHOWN ARE DESIGNATED FOR AESTHETIC PURPOSES. WHERE CONTROL JOINTS ARE NOT SHOWN, COMPLY WITH REQUIREMENTS AS DICTATED IN THE PARTITION GENERAL NOTES.

C. SEE INTERIORS PLANS AND SCHEDULES FOR PRODUCT INFORMATION.

D. SEE SHEET A-604 FOR KEYNOTES, EQUIPMENT, CASEWORK, AND ACCESSORY SCHEDULES.

KEYNOTES (BY DIVISION)

DIVISION 03	
3.3	**POUR SELF LEVELING LIGHT WEIGHT CONCRETE TOPPING; BOND NEW CONCRETE TO ROUGHEND EXISTING CONCRETE AND USE BONDING ADHESIVE. ALIGN TOP OF CONCRETE WITH EXISTING KITCHEN FLOOR.**
3.5	**CONTINUOUS 1/2" BITUMINOUS JOINT AROUND THE ROOM PERIMETER AS SHOWN.**
DIVISION 06	
6.6	**PROVIDE BLOCKING IN STUD SPACE AS REQ'D FOR RANGE HOOD SUPPORT.**
DIVISION 08	
8.4	**REPLACE EXISTING SCREENS, REPLACE DAMAGED SCREEN WOOD SUPPORTS, REPAINT EXISTING WOOD FRAMES.**

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER
A-2018007676
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Date: 11/26/2025

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Salem, Missouri

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SITE #.: 5232

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BR Building	7815232014	(2B)Cabin H	7815232009

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DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

ENLARGED PLANS & INTERIOR ELEVATIONS - LODGE

SHEET NUMBER:

A-406

SHEET 135 of 219
ISSUE DATE 11/26/2025

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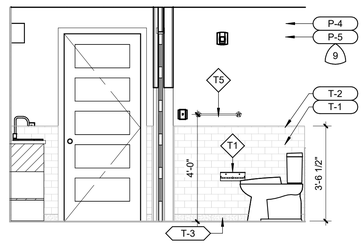
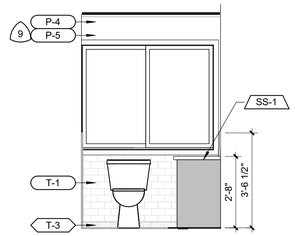
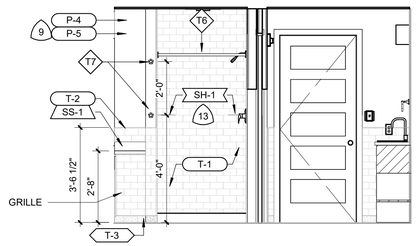


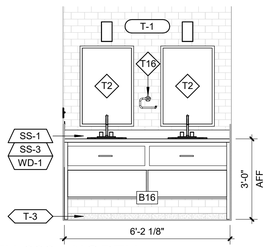
17 BATH 222 - EAST
SCALE: 3/8" = 1'-0"



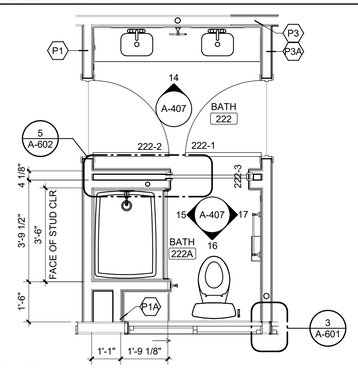
16 BATH 222 - SOUTH
SCALE: 3/8" = 1'-0"



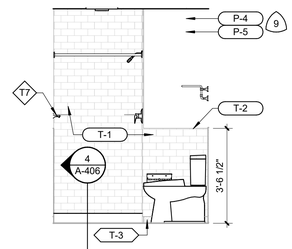
15 BATH 222A- WEST
SCALE: 3/8" = 1'-0"



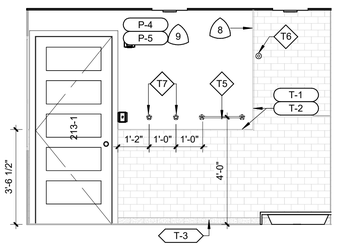
14 BATH 222 - NORTH
SCALE: 3/8" = 1'-0"



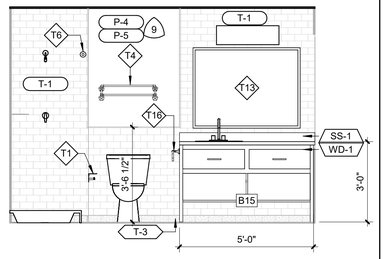
13 BATH 222
SCALE: 3/8" = 1'-0"



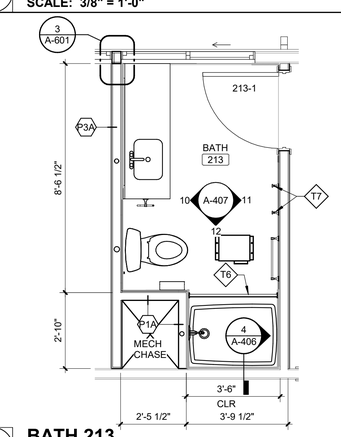
12 BATH 213 - SOUTH
SCALE: 3/8" = 1'-0"



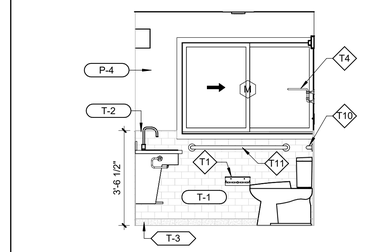
11 BATH 213 - EAST
SCALE: 3/8" = 1'-0"



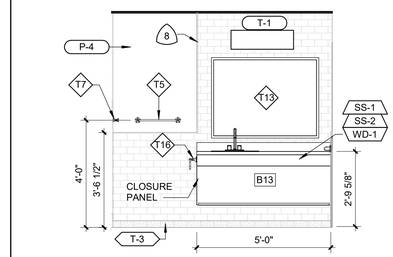
10 BATH 213 - WEST
SCALE: 3/8" = 1'-0"



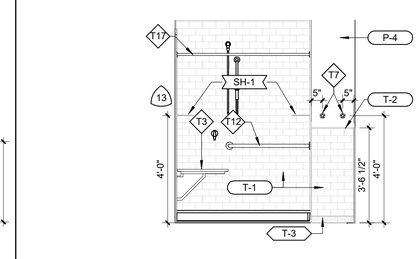
9 BATH 213
SCALE: 3/8" = 1'-0"



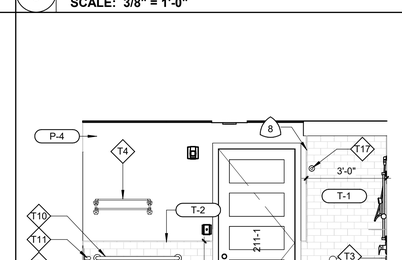
8 ACCESSIBLE BATH - NORTH
SCALE: 3/8" = 1'-0"



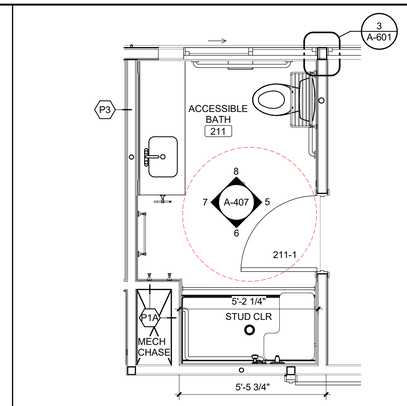
7 ACCESSIBLE BATH - WEST
SCALE: 3/8" = 1'-0"



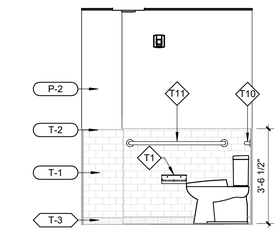
6 ACCESSIBLE BATH - SOUTH
SCALE: 3/8" = 1'-0"



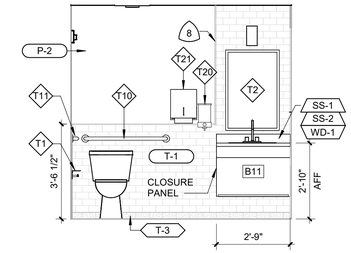
5 ACCESSIBLE BATH - EAST
SCALE: 3/8" = 1'-0"



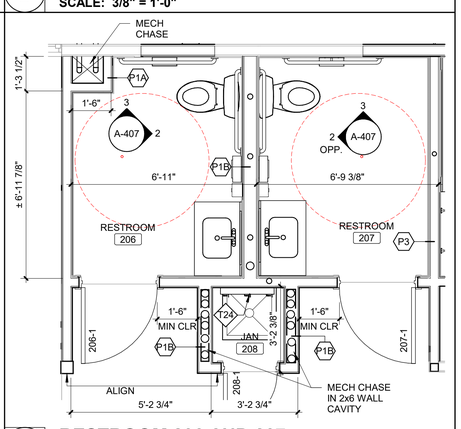
4 ACCESSIBLE BATH
SCALE: 3/8" = 1'-0"



3 RESTROOM 206
SCALE: 3/8" = 1'-0"



2 RESTROOM 206 AND 207 (MIR.)
SCALE: 3/8" = 1'-0"



1 RESTROOM 206 AND 207
SCALE: 3/8" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

A. SEE G-002 FOR STANDARD MOUNTING HEIGHTS.

B. CONTROL JOINTS SHOWN ARE DESIGNATED FOR AESTHETIC PURPOSES. WHERE CONTROL JOINTS ARE NOT SHOWN, COMPLY WITH REQUIREMENTS AS DICTATED IN THE PARTITION GENERAL NOTES.

C. SEE INTERIORS PLANS AND SCHEDULES FOR PRODUCT INFORMATION.

D. SEE SHEET A-604 FOR KEYNOTES, EQUIPMENT, CASEWORK, AND ACCESSORY SCHEDULES.

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	REMARKS
T1	TOILET TISSUE HOLDER	CFCI
T2	FRAMED MIRROR (24"W X 36"H)	CFCI
T3	ADA SHOWER SEAT	CFCI
T4	HOTELIER	CFCI
T5	TOWEL BAR (18"W)	CFCI
T6	SHOWER ROD (42") (CURTAIN BY OWNER)	CFCI
T7	ROBE HOOK	CFCI
T9	GRAB BAR (24")	CFCI
T10	GRAB BAR (36")	CFCI
T11	GRAB BAR (42")	CFCI
T12	L-SHAPED GRAB BAR	CFCI
T13	FRAMED MIRROR (48"W X 36"H)	CFCI
T14	UNDERLAVATORY GUARD	CFCI
T15	SANITARY NAPKIN DISPOSAL	CFCI
T16	TOWEL RING	CFCI
T17	SHOWER ROD (60") (CURTAIN BY OWNER)	CFCI
T18	MULTI ROLL TOILET TISSUE	CFCI
T19	PAPER TOWEL TRASH COMBO	CFCI
T20	SOAP DISPENSER	CFCI
T21	PAPER TOWEL DISPENSER	CFCI
T22	GRAB BAR (12")	CFCI
T23	SHOWER ROD (36") (CURTAIN BY OWNER)	CFCI
T24	UTILITY SHELF WITH MOP/BROOM HOLDER	CFCI
T25	REMOVABLE SHOWER SEAT	CFCI

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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AND CONSTRUCTION

DEPARTMENT OF NATURAL
RESOURCES DIVISION OF STATE
PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

DATE: DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

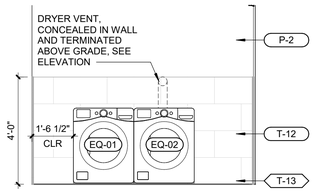
ENLARGED PLANS & INTERIOR ELEVATIONS - LODGE BUILDING

SHEET NUMBER:

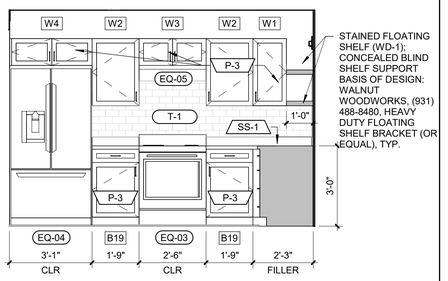
A-407

SHEET 136 of 219
ISSUE DATE 11/26/2025

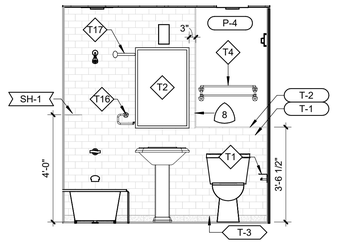
11/26/2025 3:41:09 PM



11 LAUNDRY - EAST
SCALE: 3/8" = 1'-0"



7 KITCHEN - NORTH - ALTERNATE #2
SCALE: 3/8" = 1'-0"



3 BATH 613 - SOUTH - ALTERNATE #2
SCALE: 3/8" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

A. SEE G-002 FOR STANDARD MOUNTING HEIGHTS.

B. CONTROL JOINTS SHOWN ARE DESIGNATED FOR AESTHETIC PURPOSES. WHERE CONTROL JOINTS ARE NOT SHOWN, COMPLY WITH REQUIREMENTS AS DICTATED IN THE PARTITION GENERAL NOTES.

C. SEE INTERIORS PLANS AND SCHEDULES FOR PRODUCT INFORMATION.

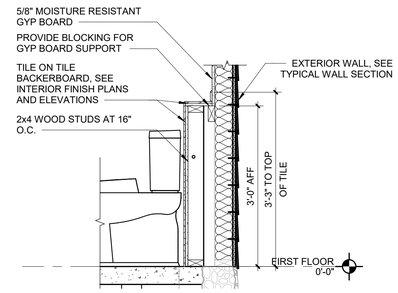
D. SEE SHEET A-604 FOR KEYNOTES, EQUIPMENT, CASEWORK, AND ACCESSORY SCHEDULES.

TOILET ACCESSORY SCHEDULE

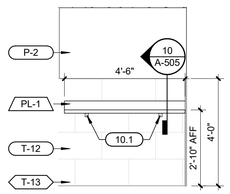
MARK	DESCRIPTION	REMARKS
T1	TOILET TISSUE HOLDER	CFCI
T2	FRAMED MIRROR (24"W X 36"H)	CFCI
T3	ADA SHOWER SEAT	CFCI
T4	HOTELIER	CFCI
T5	TOWEL BAR (18"W)	CFCI
T6	SHOWER ROD (42") (CURTAIN BY OWNER)	CFCI
T7	ROBE HOOK	CFCI
T9	GRAB BAR (24")	CFCI
T10	GRAB BAR (36")	CFCI
T11	GRAB BAR (42")	CFCI
T12	L-SHAPED GRAB BAR	CFCI
T13	FRAMED MIRROR (48"W X 36"H)	CFCI
T14	UNDERLAVATORY GUARD	CFCI
T15	SANITARY NAPKIN DISPOSAL	CFCI
T16	TOWEL RING	CFCI
T17	SHOWER ROD (60") (CURTAIN BY OWNER)	CFCI
T18	MULTI ROLL TOILET TISSUE	CFCI
T19	PAPER TOWEL TRASH COMBO	CFCI
T20	SOAP DISPENSER	CFCI
T21	PAPER TOWEL DISPENSER	CFCI
T22	GRAB BAR (12")	CFCI
T23	SHOWER ROD (36") (CURTAIN BY OWNER)	CFCI
T24	UTILITY SHELF WITH MOP/BROOM HOLDER	CFCI
T25	REMOVABLE SHOWER SEAT	CFCI

EQUIPMENT LIST

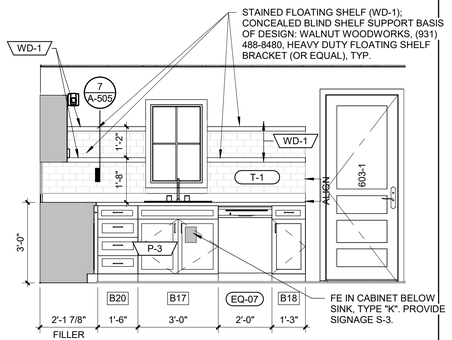
DIVISION 11		
EQ-01	WASHER	OFCI
EQ-02	DRYER	OFCI
EQ-03	RANGE (RESIDENTIAL)	OFOI
EQ-04	REFRIGERATOR (RESIDENTIAL)	OFOI
EQ-05	RANGE HOOD	CFCI
EQ-06	6 BURNER RANGE	CFCI
EQ-07	UNDERCOUNTER DISHWASHER	CFCI
EQ-08	EXHAUST HOOD, SEE MECHANICAL	CFCI
EQ-09	REACH IN FREEZER	CFCI
EQ-10	REACH IN REFRIGERATOR	CFCI
EQ-11	MICROWAVE	OFOI
EQ-12	CLEAN DISHTABLE	CFCI
EQ-13	DISHWASHER, VENTLESS	CFCI
EQ-14	SOILED DISHTABLE	CFCI
EQ-15	THREE COMPARTMENT SINK	CFCI
EQ-16	UNDERCOUNTER ICE MAKER WITH BIN	CFCI
EQ-17	COMMERCIAL COFFEE MAKER	CFCI



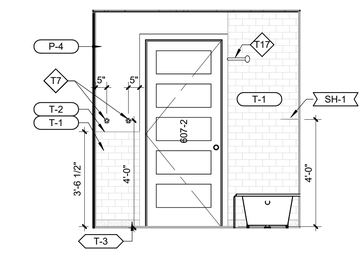
14 HALF HEIGHT WALL AT RESTROOM BUILDING
SCALE: 3/4" = 1'-0"



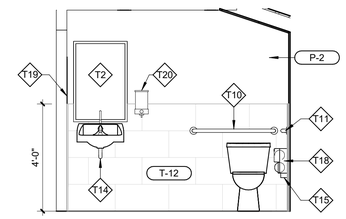
10 LAUNDRY - SOUTH
SCALE: 3/8" = 1'-0"



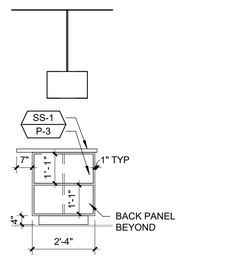
6 KITCHEN - EAST - ALTERNATE #2
SCALE: 3/8" = 1'-0"



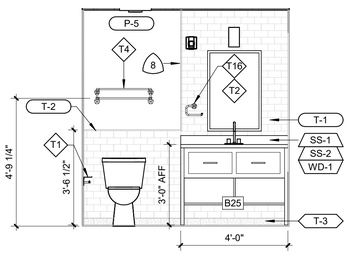
2 BATH 613 - NORTH - ALTERNATE #2
SCALE: 3/8" = 1'-0"



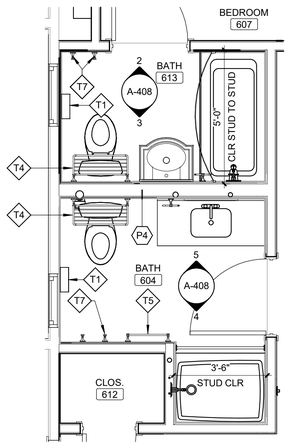
13 ADA UNISEX RESTROOM
SCALE: 3/8" = 1'-0"



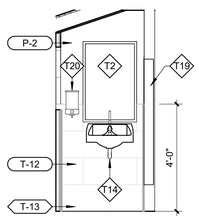
9 ISLAND - EAST - ALTERNATE #2
SCALE: 3/8" = 1'-0"



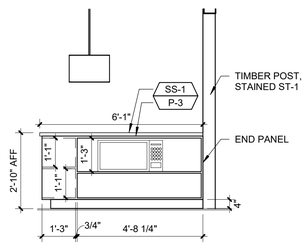
5 BATH 604 - NORTH - ALTERNATE #2
SCALE: 3/8" = 1'-0"



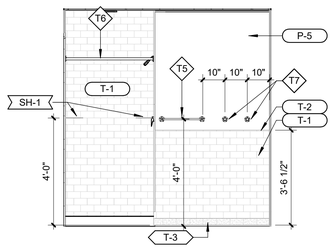
1 FAMILY CABIN RESTROOMS - ALTERNATE #2
SCALE: 3/8" = 1'-0"



12 RESTROOM BUILDING SINGLE USER - EAST
SCALE: 3/8" = 1'-0"



8 ISLAND - NORTH AND SOUTH - ALTERNATE #2
SCALE: 3/8" = 1'-0"



4 BATH 604 - SOUTH - ALTERNATE #2
SCALE: 3/8" = 1'-0"

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Dwelt Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232012	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

ENLARGED PLANS & INTERIOR ELEVATIONS - FAMILY CABIN AND RESTROOM BLDG

SHEET NUMBER:

A-408

SHEET 137 of 219
ISSUE DATE 11/26/2025

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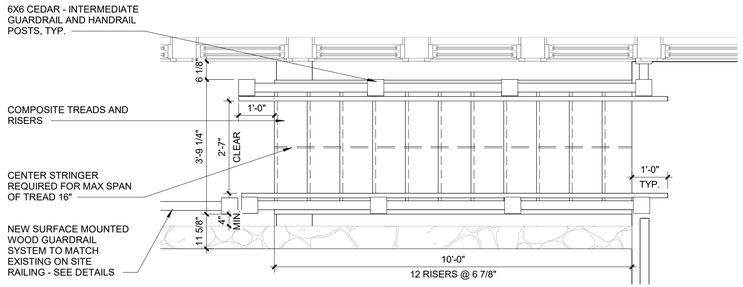


7 LOWER DORM STAIR #2 FIRST FLOOR - ALTERNATE #1

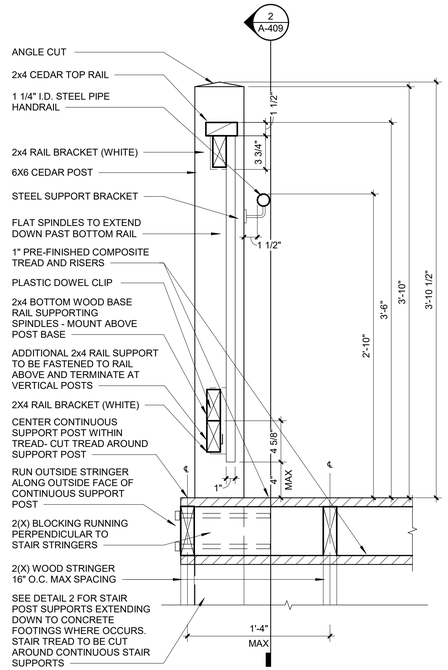
SCALE: 1/2" = 1'-0"

9 SURFACE MTD. GUARDRAIL DETAIL

SCALE: 1 1/2" = 1'-0"

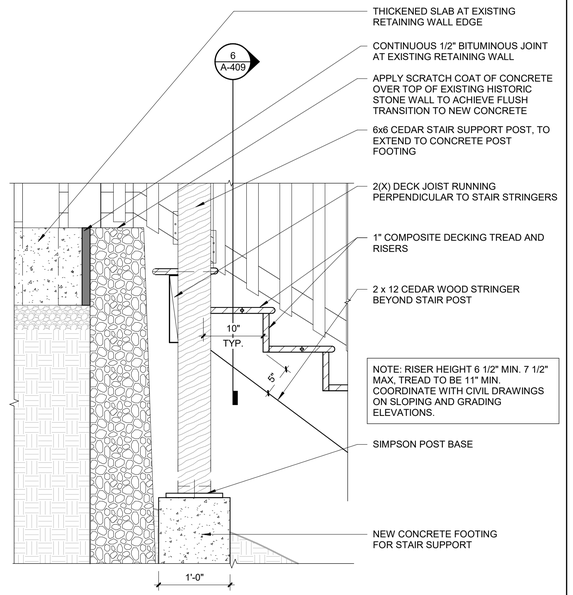
NOTE: ALL WOOD TO BE SELECT STRUCTURAL WESTERN RED CEDAR

NOTE: RISER HEIGHT 6 1/2" MIN. 7 1/2" MAX, COORDINATE WITH CIVIL DRAWINGS ON SLOPING AND GRADING ELEVATIONS.



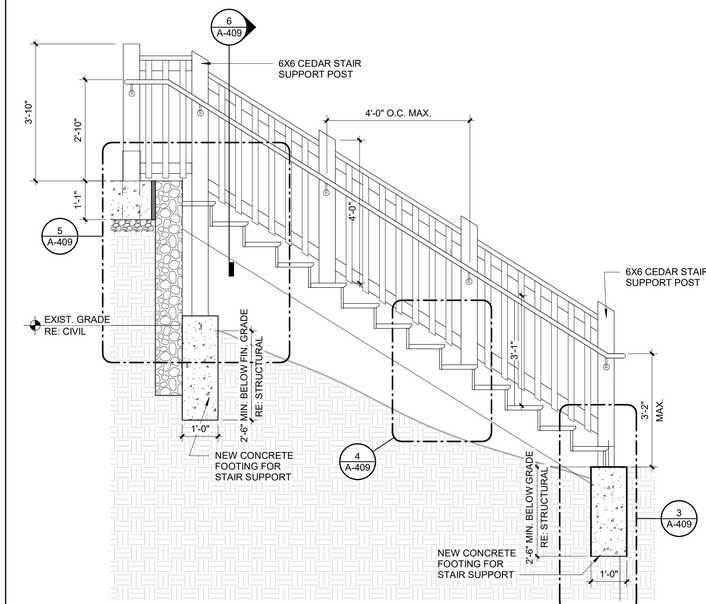
6 GUARDRAIL DETAIL ON STAIR - ALTERNATE #1

SCALE: 1 1/2" = 1'-0"



5 WOOD STAIR LANDING DETAIL - ALT. #1 LOWER DORM

SCALE: 1" = 1'-0"

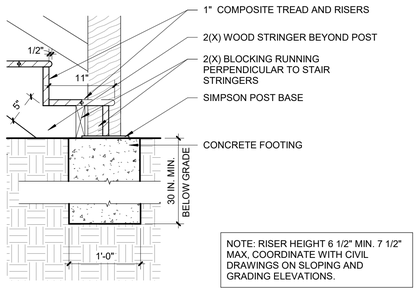


2 LOWER DORM STAIR #1 SECTION - ALTERNATE #1

SCALE: 1/2" = 1'-0"

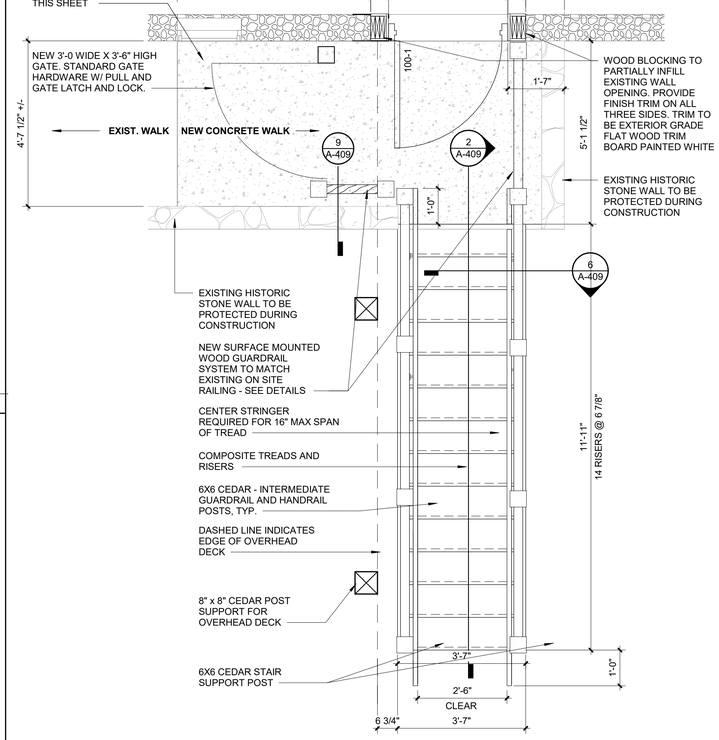
4 WOOD STAIR MID POST DETAIL - ALT. #1 & #2

SCALE: 1 1/2" = 1'-0"



3 WOOD STAIR BASE DETAIL - ALTERNATE #1

SCALE: 1" = 1'-0"



1 LOWER DORM STAIR #1 BASEMENT ACCESS - ALTERNATE #1

SCALE: 1/2" = 1'-0"

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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RR Building	7815232014	☒	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

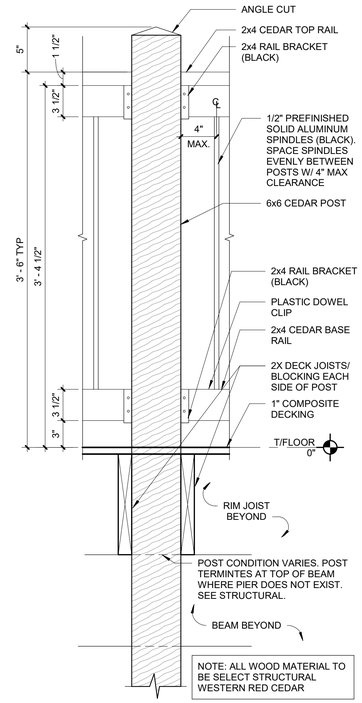
ENLARGED STAIR PLANS & DETAILS - LOWER DORM - ALTERNATE #2

SHEET NUMBER:

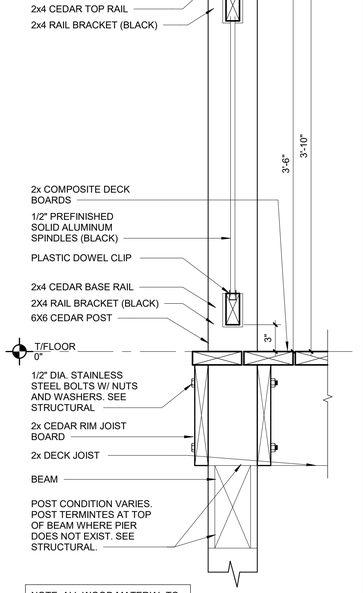
A-409

SHEET 138 of 219
ISSUE DATE 11/26/2025

11/25/2025 3:51:12 PM



16 TYPICAL DECK RAILING
SCALE: 1 1/2" = 1'-0"



15 BALCONY RAILING
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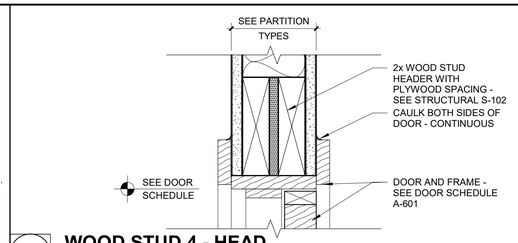
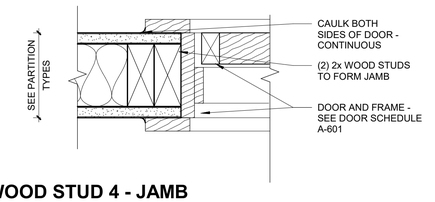
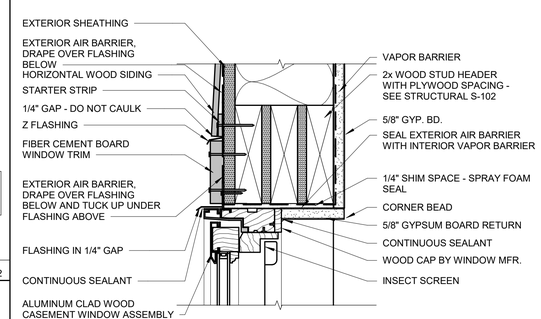


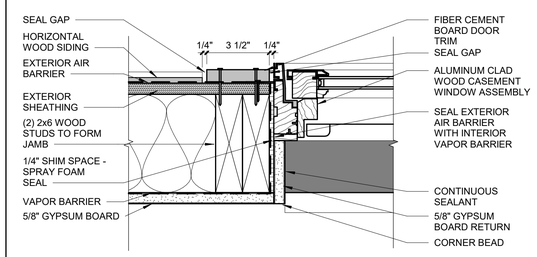
14 WOOD STUD 4 - HEAD
SCALE: 3" = 1'-0"



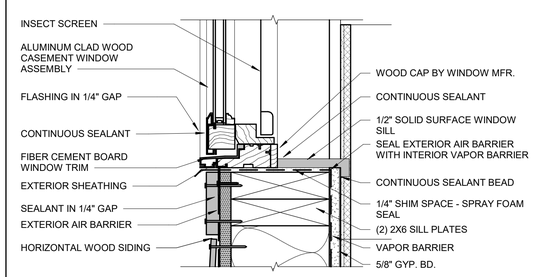
13 WOOD STUD 4 - JAMB
SCALE: 3" = 1'-0"



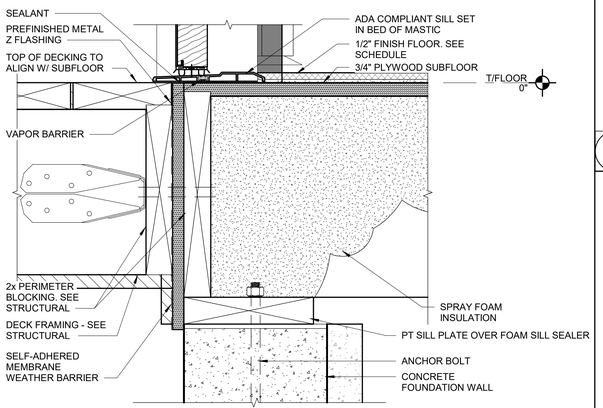
12 WINDOW HEAD - CASEMENT
SCALE: 3" = 1'-0"



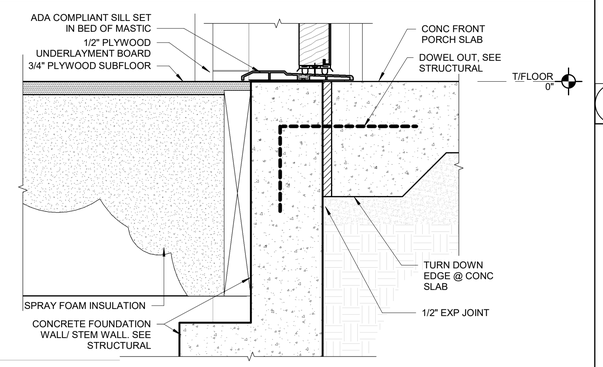
11 WINDOW JAMB - CASEMENT
SCALE: 3" = 1'-0"



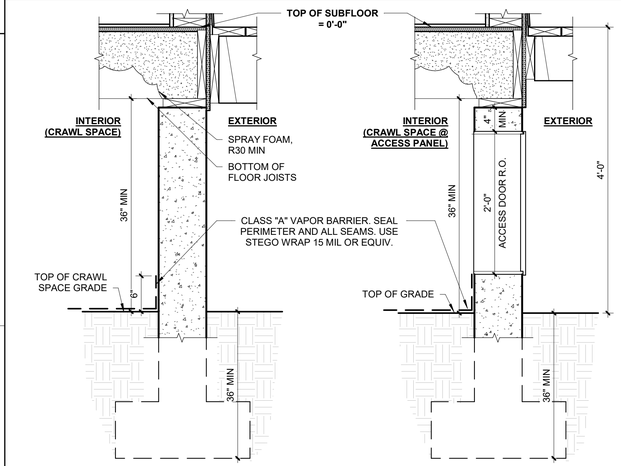
10 HEAD SILL - CASEMENT
SCALE: 3" = 1'-0"



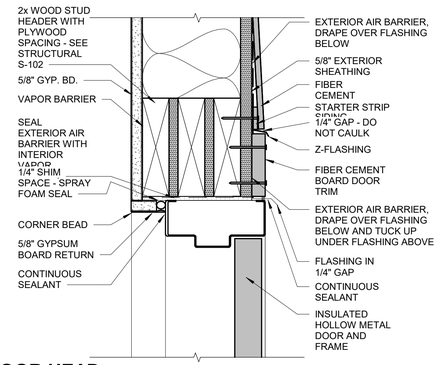
7 EXTERIOR DOOR THRESHOLD AT WOOD PORCH
SCALE: 3" = 1'-0"



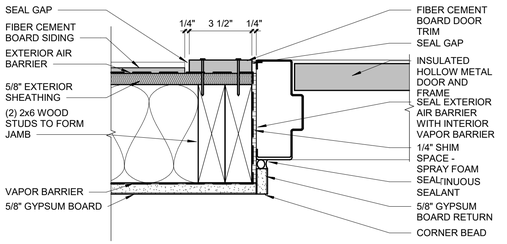
6 EXTERIOR DOOR THRESHOLD AT CONCRETE
SCALE: 3" = 1'-0"



3 CRAWL SPACE DETAILS
SCALE: 1" = 1'-0"



2 HM DOOR HEAD
SCALE: 3" = 1'-0"



1 HM DOOR JAMB
SCALE: 3" = 1'-0"

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232006
Gymnasium	7815232011	(2B)Cabin E	7815232005
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

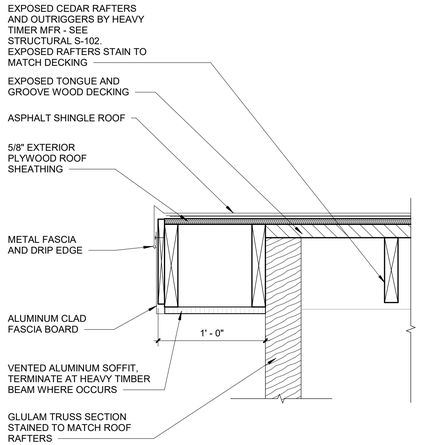
DETAILS - TWO BEDROOM CABIN

SHEET NUMBER:

A-501

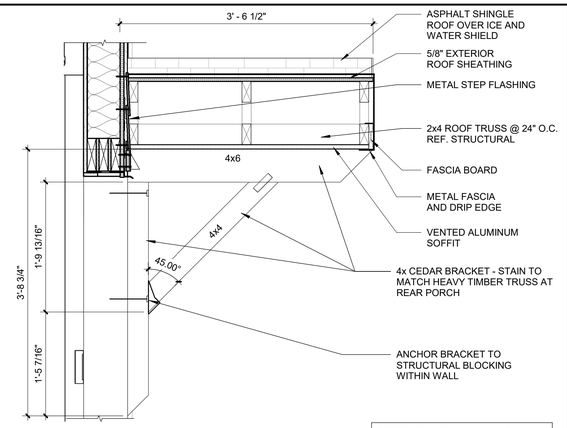
SHEET 139 of 219
ISSUE DATE 11/26/2025

11/26/2025 4:15:33 PM



10 GABLE END DETAIL AT TIMBER TRUSS

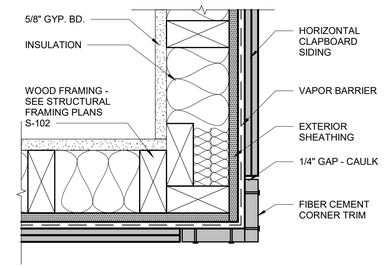
SCALE: 1 1/2" = 1'-0"



REFER TO DETAIL 5/S-502 FOR ADDITIONAL REQUIREMENTS

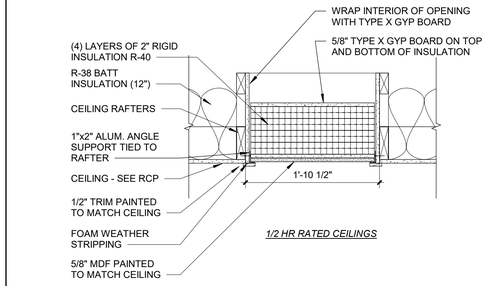
7 ENTRY PORCH DETAIL

SCALE: 1" = 1'-0"

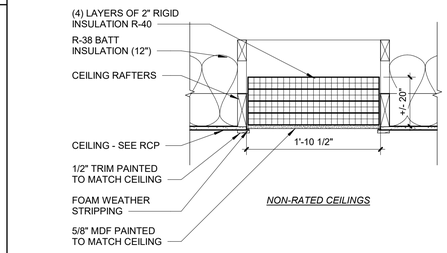


6 EXTERIOR OUTSIDE CORNER

SCALE: 3" = 1'-0"



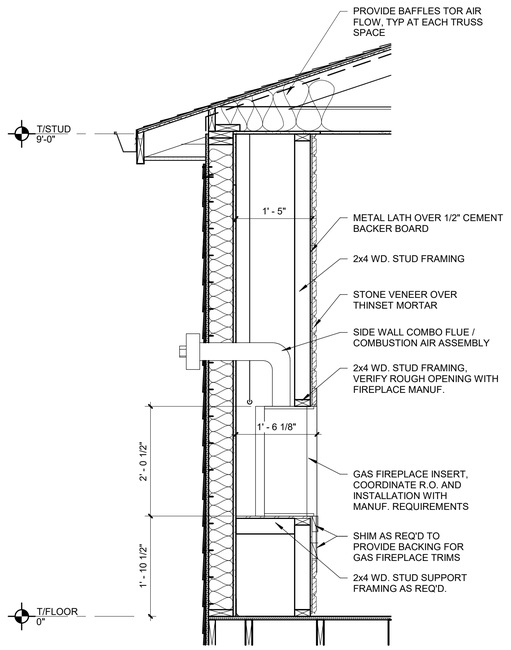
1/2 HR RATED CEILINGS



NON-RATED CEILINGS

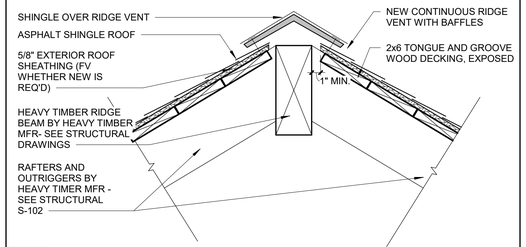
3 TYPICAL CEILING ACCESS PANEL

SCALE: 1" = 1'-0"



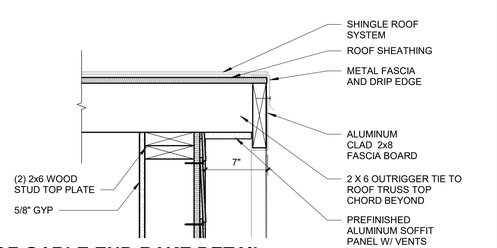
11 SECTION AT FIREPLACE

SCALE: 3/4" = 1'-0"



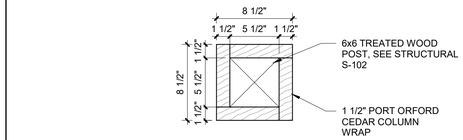
9 HEAVY TIMBER TRUSS DETAIL

SCALE: 1 1/2" = 1'-0"



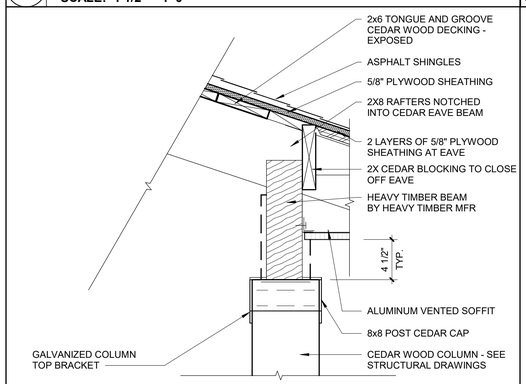
5 ROOF GABLE END RAKE DETAIL

SCALE: 1 1/2" = 1'-0"



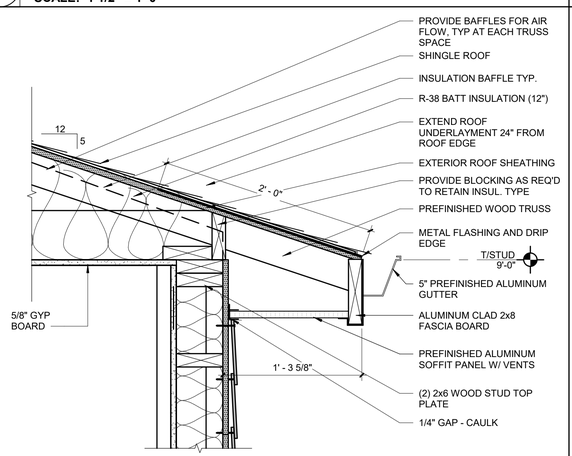
2 COLUMN WRAP DETAIL

SCALE: 1 1/2" = 1'-0"



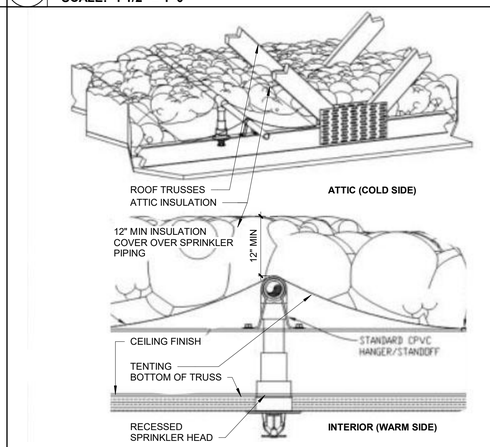
8 TYP. TRUSS CONNECTION

SCALE: 1 1/2" = 1'-0"



4 ROOF DETAIL - LOW

SCALE: 1 1/2" = 1'-0"



1 SPRINKLER CEILING SYSTEM

SCALE: NOT TO SCALE

1/15/2026 4:59 PM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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SITE #.: 5232

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DRAWN BY: JLJ
CHECKED BY: NRB
DESIGNED BY: NRB

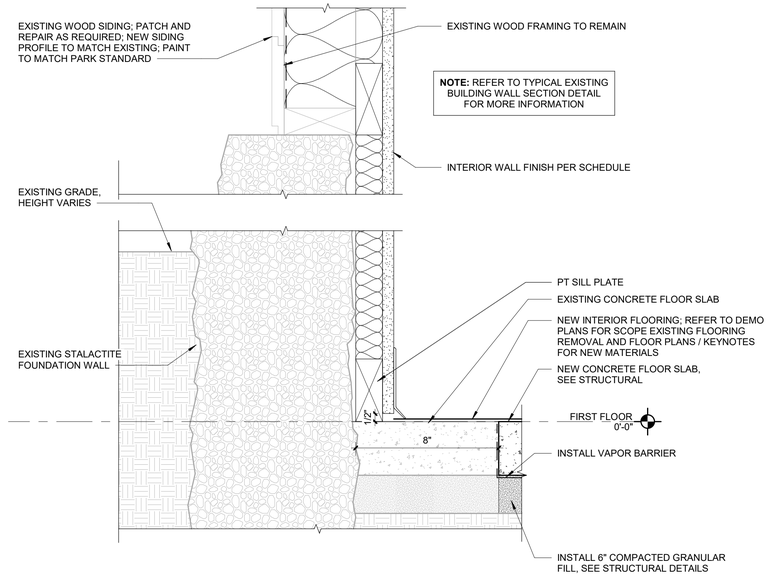
SHEET TITLE:

DETAILS - TWO BEDROOM CABIN

SHEET NUMBER:

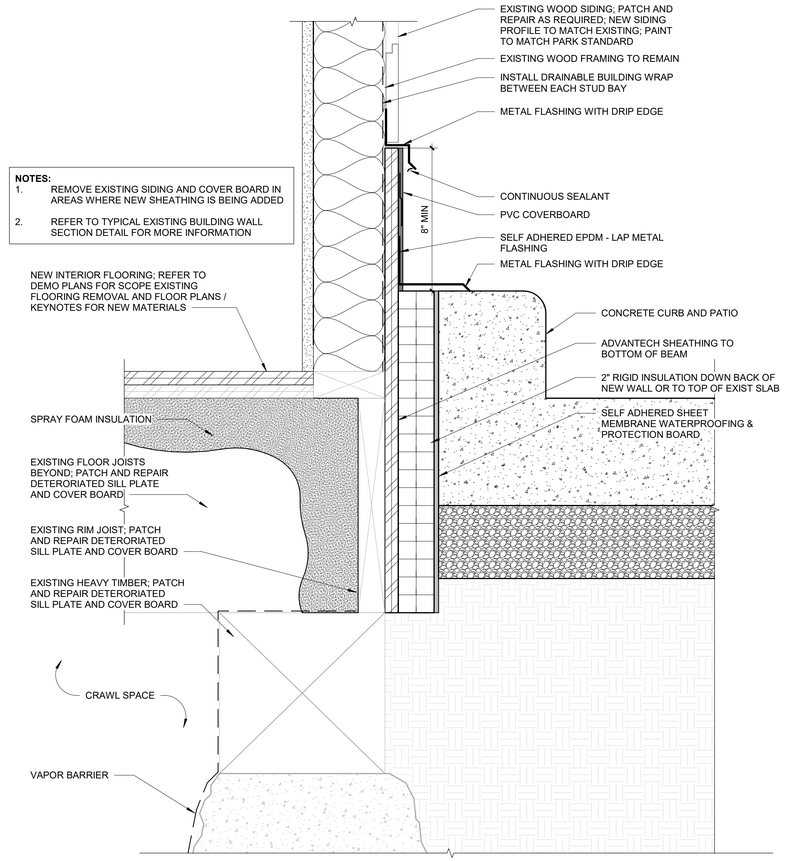
A-502

SHEET 140 of 219
ISSUE DATE 11/26/2025



10 RESTROOM BUILDING - SLAB ON GRADE / STALAGTITE WALL

SCALE: NOT TO SCALE



9 BASE DETAIL @ FAMILY CABIN - BACK PATIO - ALTERNATE #2

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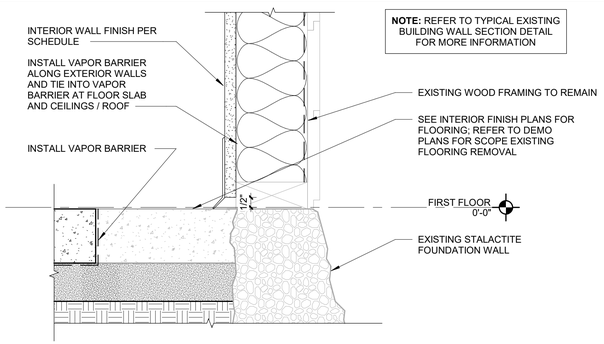
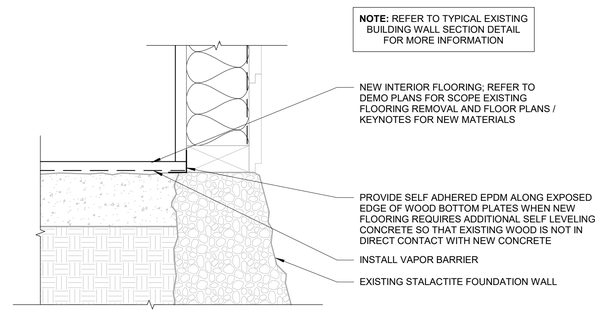


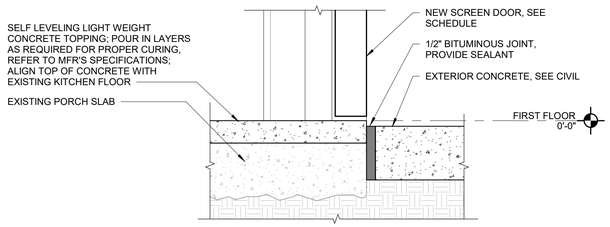
8 RESTROOM BUILDING - SLAB ON GRADE/ STALAGTITE FDN

SCALE: 3" = 1'-0"



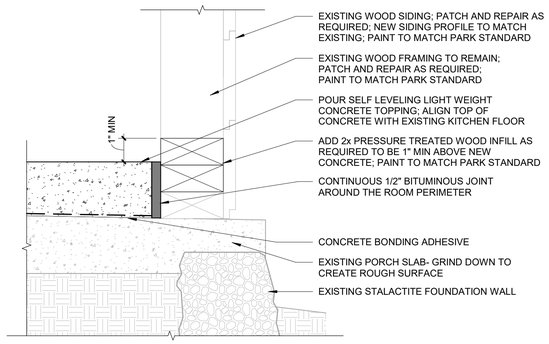
7 TYPICAL BASE - SLAB ON GRADE / STALACTITE FDN

SCALE: 3" = 1'-0"



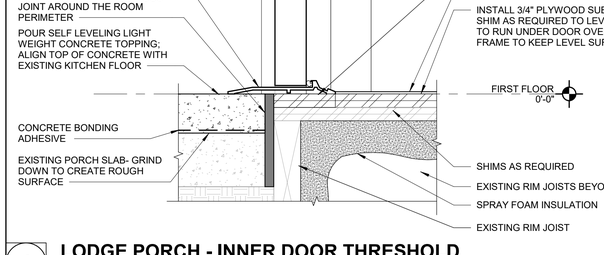
6 LODGE ADA ACCESS SCREENED PORCH - OUTER DOOR THRESHOLD

SCALE: 3" = 1'-0"



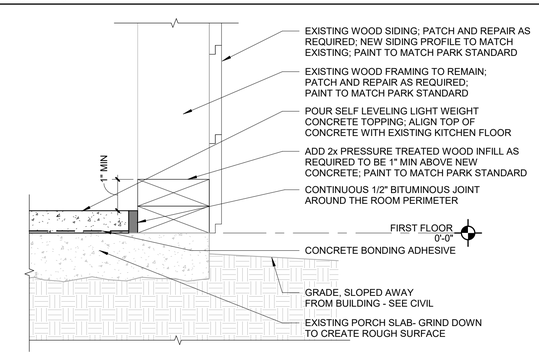
5 LODGE ADA ACCESS SCREENED PORCH NEW SLAB & FRAMING

SCALE: 3" = 1'-0"



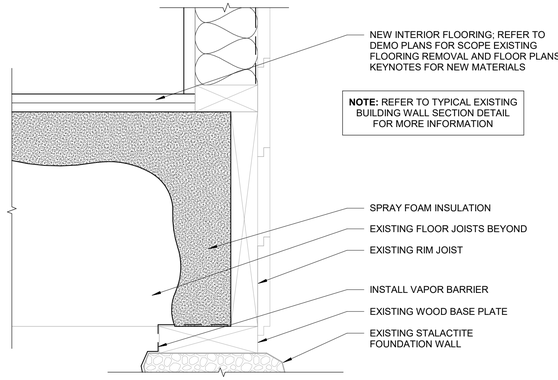
4 LODGE PORCH - INNER DOOR THRESHOLD

SCALE: 3" = 1'-0"



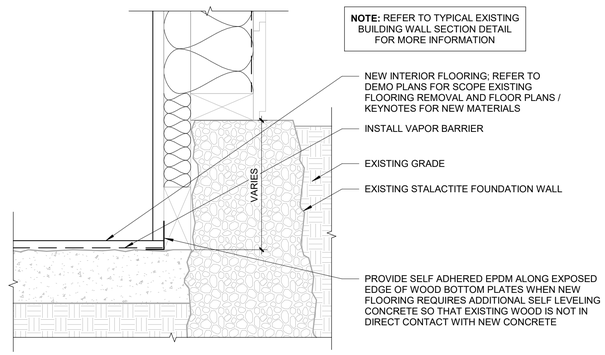
3 LODGE SCREENED PORCH NEW SLAB & FRAMING - NORTH SIDE

SCALE: 3" = 1'-0"



2 TYPICAL BASE - WD JOISTS / STALACTITE FDN

SCALE: 3" = 1'-0"



1 TYPICAL BASE - RECESSED SLAB ON GRADE / STALACTITE FDN

SCALE: 3" = 1'-0"

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

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FACILITY NUMBERS:

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Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
BR Building	7815232014	☒	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

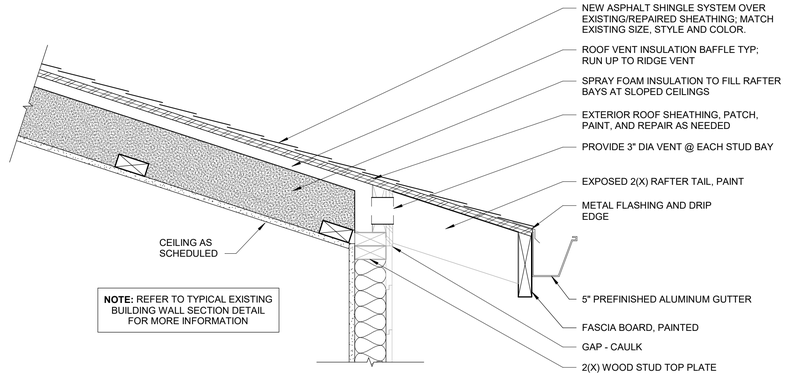
DETAILS - WOOD STUD

SHEET NUMBER:

A-503

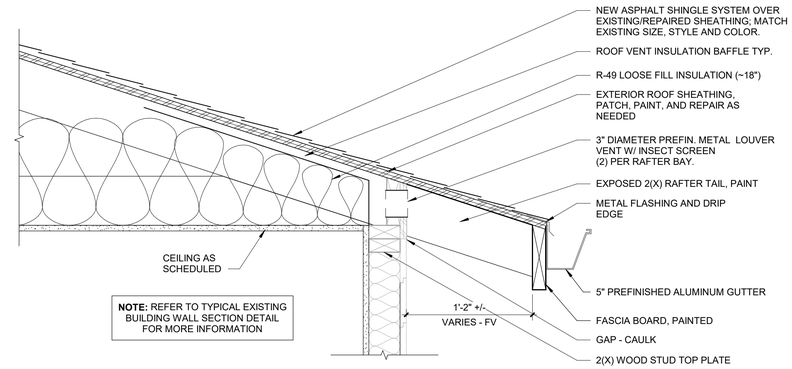
SHEET 141 of 219
ISSUE DATE 11/26/2025

11/25/2025 3:51:17 PM



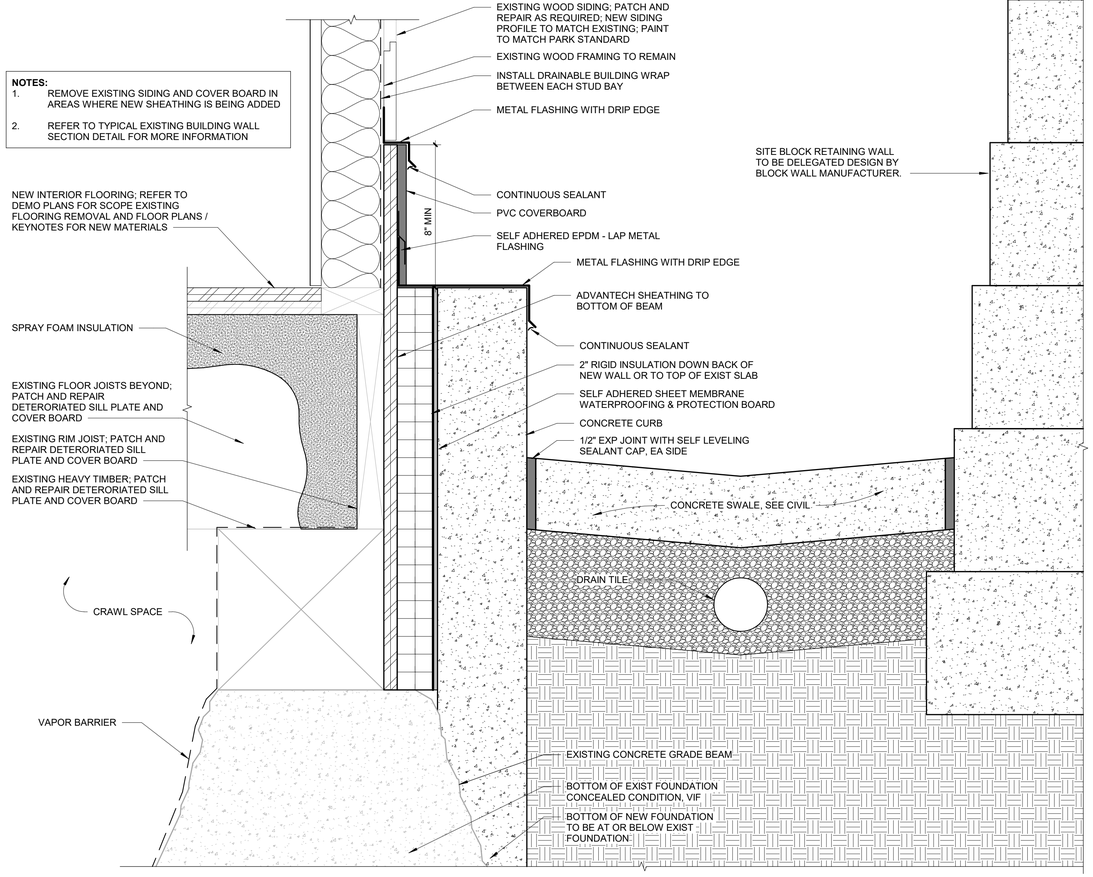
5 TYPICAL EXISTING BUILDING SOFFIT DETAIL @ RAFTERS

SCALE: 1 1/2" = 1'-0"



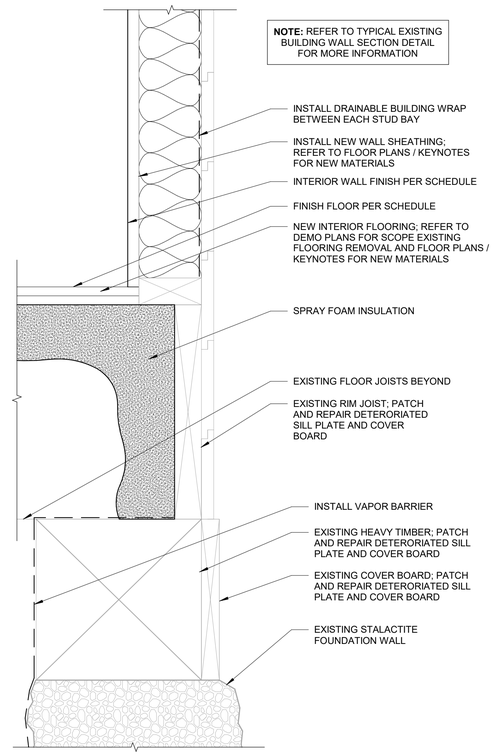
6 TYPICAL EXISTING BUILDING SOFFIT DETAIL @ TRUSSES

SCALE: 1 1/2" = 1'-0"



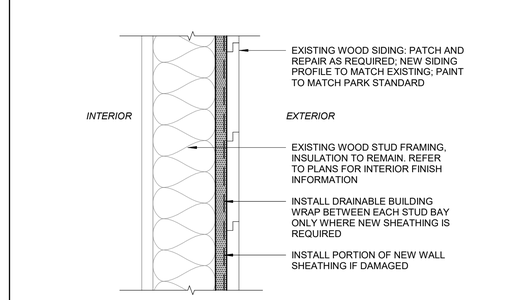
3 TYPICAL BASE - WD JOISTS / HEAVY TIMBER / STALACTITE FDN @ SWALE

SCALE: 3" = 1'-0"



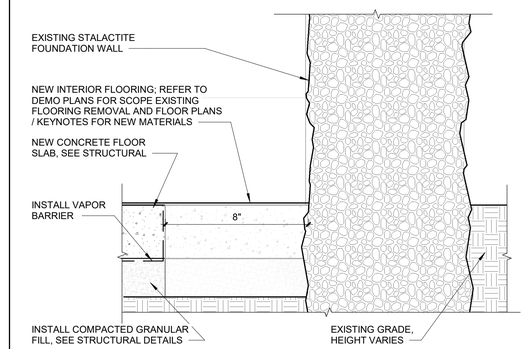
1 TYPICAL BASE - WD JOISTS / HEAVY TIMBER / STALACTITE FDN

SCALE: 3" = 1'-0"



2 TYPICAL EXISTING BUILDING WALL SECTION

SCALE: 3" = 1'-0"



4 LOWER DORM FOUNDATION DETAIL

SCALE: 3" = 1'-0"

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STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER
A-2018007676
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Date: 11/26/2025

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	CB/Cabin C	7815232004	☐
Lower Dorm	7815232010	☒	CB/Cabin D	7815232005	☐
Gymnasium	7815232011	☒	CB/Cabin E	7815232006	☐
Game Room	7815232012	☒	CB/Cabin F	7815232007	☐
Family Cabin	7815232013	☒	CB/Cabin G	7815232008	☐
RR Building	7815232014	☒	CB/Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

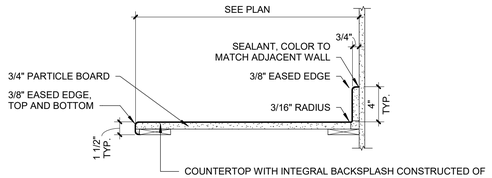
DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

DETAILS - WOOD STUD

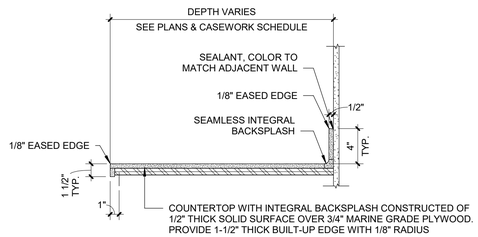
SHEET NUMBER:

A-504



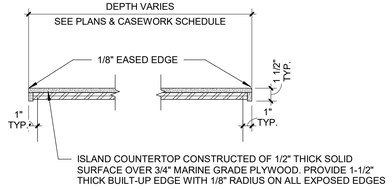
10 PLASTIC LAMINATE COUNTER, TYP.

SCALE: 1 1/2" = 1'-0"



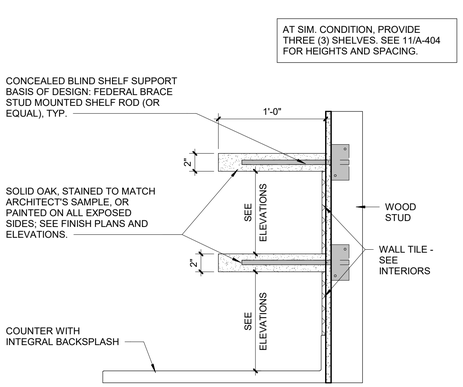
9 SOLID SURFACE COUNTER, TYP.

SCALE: 1 1/2" = 1'-0"



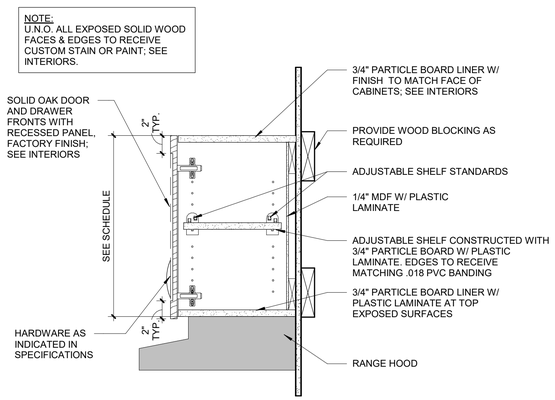
8 SOLID SURFACE ISLAND, TYP.

SCALE: 1 1/2" = 1'-0"



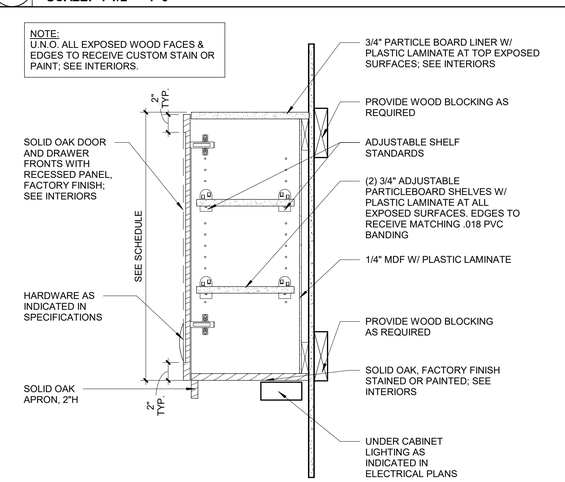
7 FLOATING SHELF DETAIL

SCALE: 1 1/2" = 1'-0"



6 UPPER CABINET - 1 SHELF

SCALE: 1 1/2" = 1'-0"

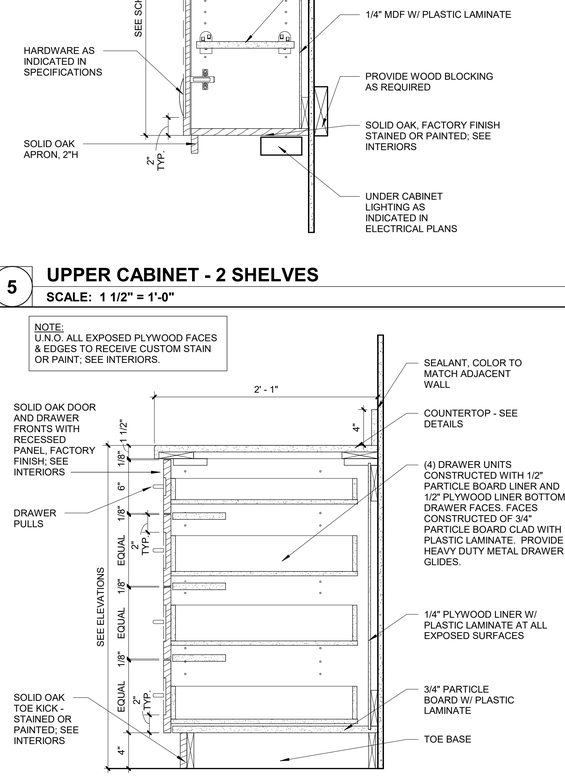


5 UPPER CABINET - 2 SHELVES

SCALE: 1 1/2" = 1'-0"

3 BASE CABINET - 1 DRAWER 1 DOOR

SCALE: 1 1/2" = 1'-0"

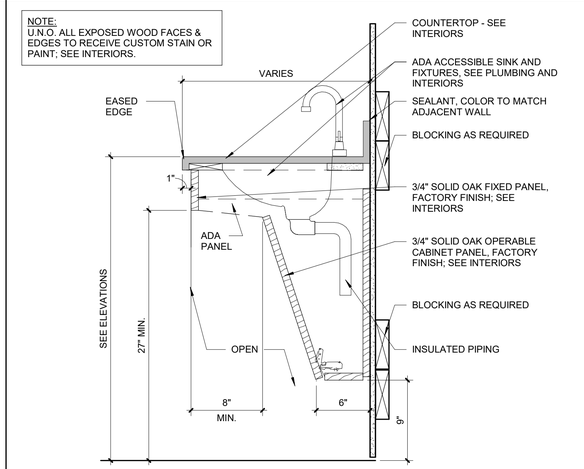


2 CASEWORK BASE - SINK

SCALE: 1 1/2" = 1'-0"

4 BASE CABINET - 4 DRAWER (1)6 (3) EQ. DRAWER

SCALE: 1 1/2" = 1'-0"



1 ADA ROLL UNDER SINK BASE

SCALE: 1 1/2" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

A. SEE G-002 FOR STANDARD MOUNTING HEIGHTS.

B. CONTROL JOINTS SHOWN ARE DESIGNATED FOR AESTHETIC PURPOSES. WHERE CONTROL JOINTS ARE NOT SHOWN, COMPLY WITH REQUIREMENTS AS DICTATED IN THE PARTITION GENERAL NOTES.

C. SEE INTERIORS PLANS AND SCHEDULES FOR PRODUCT INFORMATION.

D. SEE SHEET A-604 FOR KEYNOTES, EQUIPMENT, CASEWORK, AND ACCESSORY SCHEDULES.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
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#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
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SHEET TITLE:

DETAILS - GENERAL CASEWORK

SHEET NUMBER:

A-505

SHEET 143 of 219
ISSUE DATE 11/26/2025

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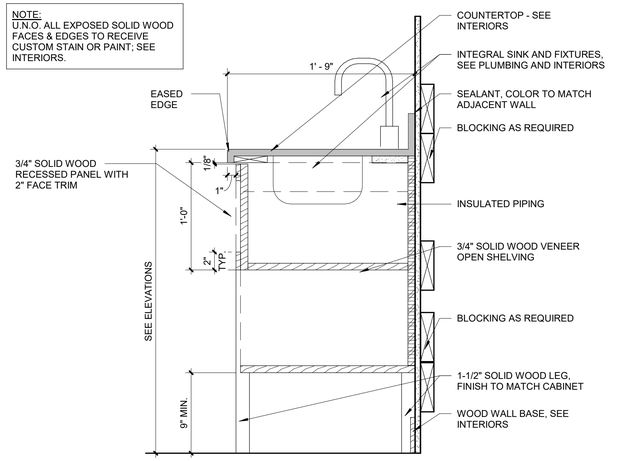
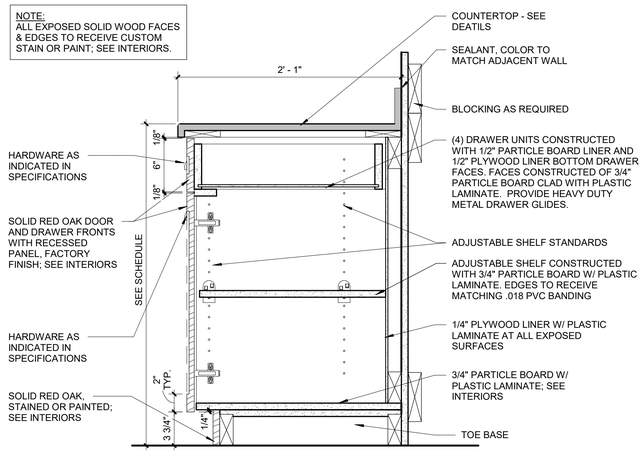
NOTE:
U.N.O. ALL EXPOSED SOLID WOOD FACES & EDGES TO RECEIVE CUSTOM STAIN OR PAINT; SEE INTERIORS.



8 BASE CABINET GUEST BATHROOM

SCALE: 1 1/2" = 1'-0"

NOTE:
ALL EXPOSED SOLID WOOD FACES & EDGES TO RECEIVE CUSTOM STAIN OR PAINT; SEE INTERIORS.

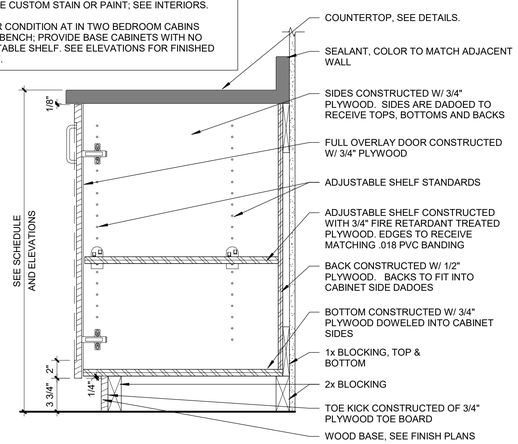


7 BASE CABINET - 1 DRAWER MICRO SHELF

SCALE: 1 1/2" = 1'-0"

NOTE:
ALL EXPOSED SOLID WOOD FACES & EDGES TO RECEIVE CUSTOM STAIN OR PAINT; SEE INTERIORS.

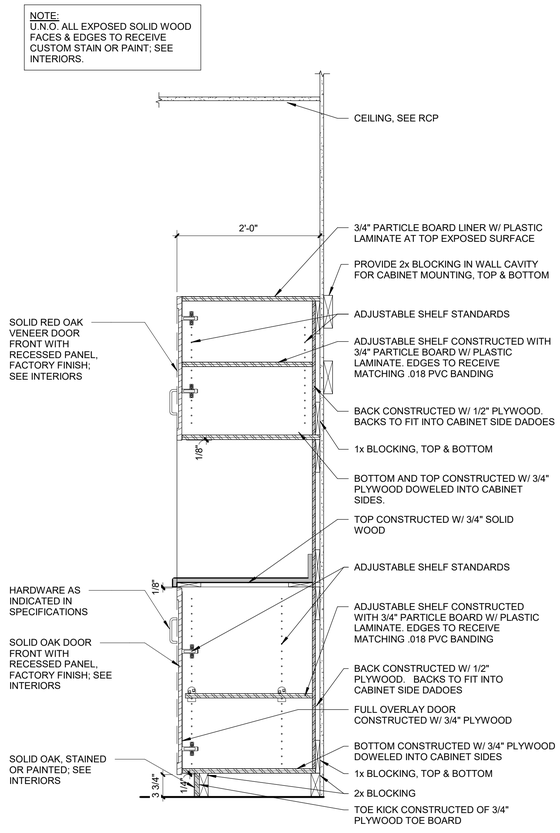
SIMILAR CONDITION AT IN TWO BEDROOM CABINS ENTRY BENCH; PROVIDE BASE CABINETS WITH NO ADJUSTABLE SHELF. SEE ELEVATIONS FOR FINISHED HEIGHT.



6 BASE CABINET W/ ONE DOOR

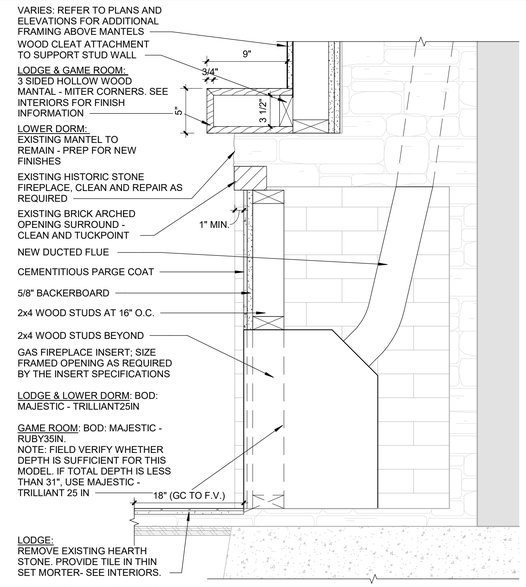
SCALE: 1 1/2" = 1'-0"

NOTE:
U.N.O. ALL EXPOSED SOLID WOOD FACES & EDGES TO RECEIVE CUSTOM STAIN OR PAINT; SEE INTERIORS.



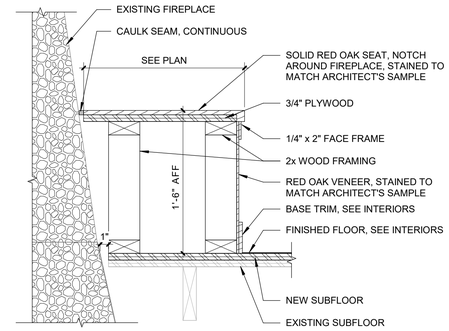
5 WALL CABINET W/ MICROWAVE SHELF

SCALE: 1" = 1'-0"



4 GENERAL GAS FIREPLACE INSERT DETAIL

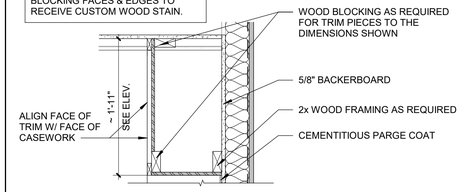
SCALE: 1 1/2" = 1'-0"



3 CUSTOM BENCH BEHIND FIREPLACE

SCALE: 1 1/2" = 1'-0"

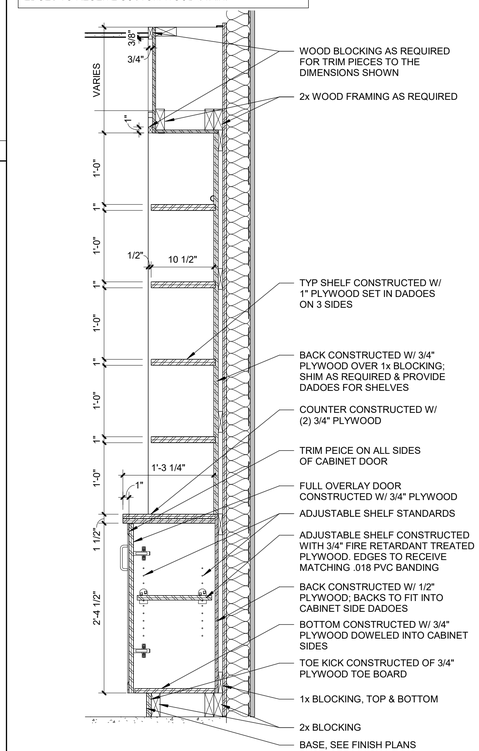
NOTE:
U.N.O. ALL EXPOSED PLYWOOD & BLOCKING FACES & EDGES TO RECEIVE CUSTOM WOOD STAIN.



2 SOFFIT @ GAME ROOM - ALTERNATE #3

SCALE: 1" = 1'-0"

NOTE:
U.N.O. ALL EXPOSED PLYWOOD & BLOCKING FACES & EDGES TO RECEIVE CUSTOM WOOD STAIN.



TYPICAL GAMEROOM BUILT-IN SHELVING DETAIL @ GAME ROOM - ALTERNATE #3

SCALE: 1" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

A. SEE G-002 FOR STANDARD MOUNTING HEIGHTS.

B. CONTROL JOINTS SHOWN ARE DESIGNATED FOR AESTHETIC PURPOSES. WHERE CONTROL JOINTS ARE NOT SHOWN, COMPLY WITH REQUIREMENTS AS DICTATED IN THE PARTITION GENERAL NOTES.

C. SEE INTERIORS PLANS AND SCHEDULES FOR PRODUCT INFORMATION.

D. SEE SHEET A-604 FOR KEYNOTES, EQUIPMENT, CASEWORK, AND ACCESSORY SCHEDULES.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
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RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

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DESIGNED BY: NRB

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DETAILS - GENERAL CASEWORK AND FIREPLACE

SHEET NUMBER:

A-506

SHEET 144 of 219
ISSUE DATE 11/26/2025

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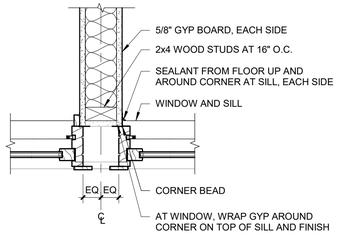
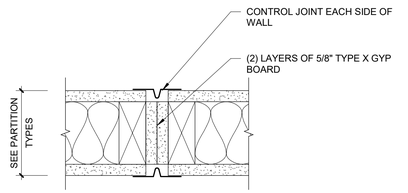


3 PARTITION AT WINDOW CONDITION

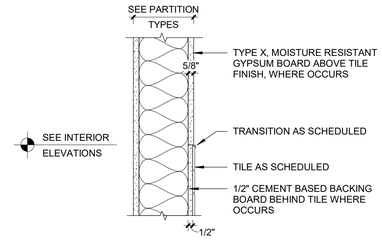
SCALE: 1 1/2" = 1'-0"



2 CONTROL JOINT AT RATED/ SMOKE PARTITIONS

SCALE: 3" = 1'-0"

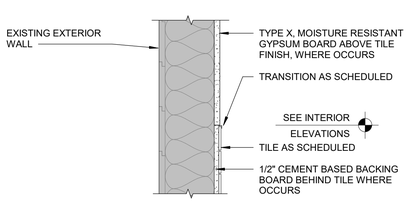
SEE 'NOTES' IN PARTITION TYPES, THIS SHEET



4 TYP. WET WALL PARTITION

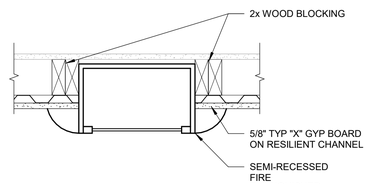
SCALE: 1 1/2" = 1'-0"

SEE 'NOTES' IN PARTITION TYPES, THIS SHEET



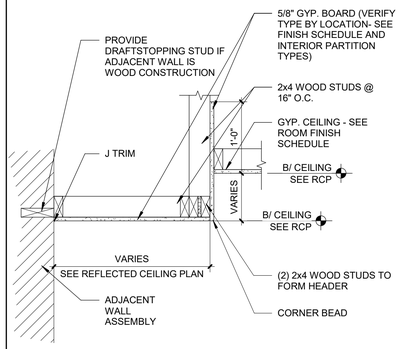
7 TYP. WET WALL EXIST. EXTERIOR WALL

SCALE: 1 1/2" = 1'-0"



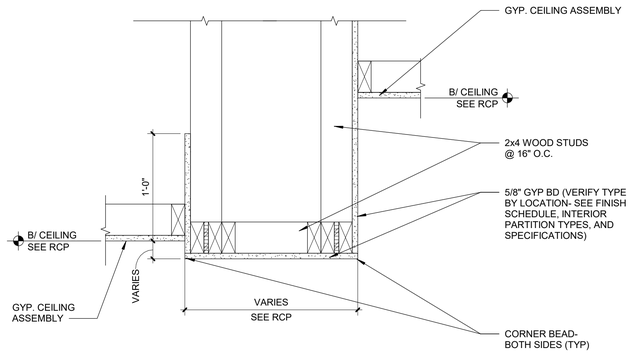
9 EXTINGUISHER CABINET

SCALE: 1 1/2" = 1'-0"



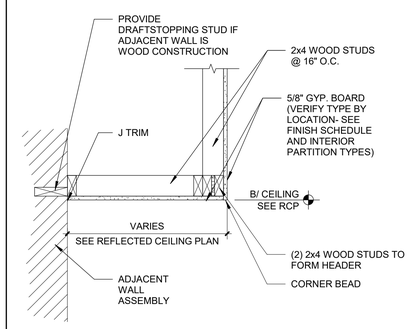
6 GYP SOFFIT CEILING DETAIL

SCALE: 1" = 1'-0"



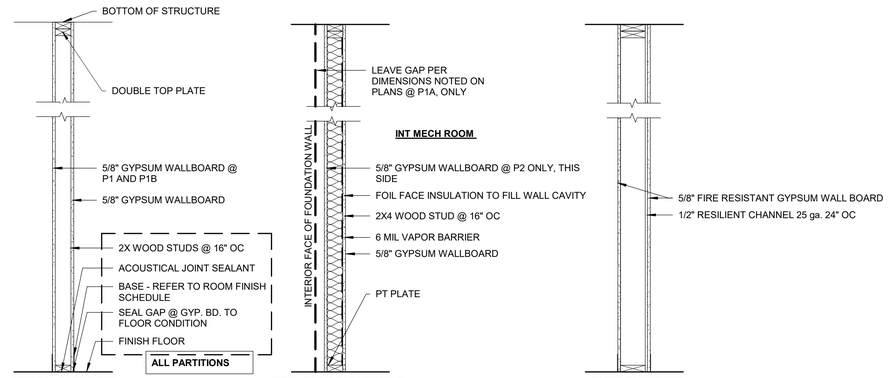
8 GYPSUM BULKHEAD TRANSITION CEILING DETAIL

SCALE: 1 1/2" = 1'-0"



5 GYP SOFFIT CEILING DETAIL

SCALE: 1" = 1'-0"



NOTES:

1. RESILIENT CHANNEL TO BE ASSEMBLIED ON THE CORRIDOR SIDE WHERE APPLICABLE.
2. SEE LIFE SAFETY PLANS FOR RATED WALL LOCATIONS.
3. MOISTURE RESISTANT 5/8" GYP TYPE "X" TO BE INSTALLED AT ALL RESTROOM, KITCHEN, MECHANICAL, LAUNDRY, AND BATHROOM WALLS, SEE SPECS.
4. SOUND ATTENUATION BATTS TO BE INSTALLED TO FILL STUD BAYS AT ALL INTERIOR PARTITIONS BEING MODIFIED, UNLESS OTHERWISE NOTED.
5. 1/2" CEMENT BASED BACKING BOARD TO BE USED BEHIND TILE ON WET WALLS INCLUDING TUB AND SHOWER SURROUNDS.

1 PARTITION TYPES

SCALE: 3/4" = 1'-0"

PARTITION TYPE NOTES

A. AT ALL FIRE RATED SEPARATIONS, EXTEND GYPSUM BOARD THROUGH ALL CHASES AND WALL INTERSECTIONS TO PROVIDE A CONTINUOUS UNINTERRUPTED LAYER OF 5/8" GYPSUM BOARD ON EACH SIDE OF THE PARTITION AND SEPARATION. SEAL ALL PENETRATIONS WITH APPROVED U.L. LISTED SEALANT AND/OR SEALANT ASSEMBLIES.

B. AT ALL SMOKE SEPARATIONS, EXTEND GYPSUM BOARD THROUGH ALL CHASES AND WALL INTERSECTIONS TO PROVIDE A CONTINUOUS UNINTERRUPTED LAYER OF 5/8" GYPSUM BOARD ON EACH SIDE OF THE PARTITION AND SEPARATION. SEAL ALL PENETRATIONS WITH APPROVED U.L. LISTED SEALANT AND/OR SEALANT ASSEMBLIES TO LIMIT THE PASSAGE OF SMOKE.

C. CONTROL JOINTS SHALL BE INSTALLED AT ALL CONSTRUCTION CHANGES WITHIN A PLANE OF PARTITION OR CEILING, AT PARTITION RUNS THAT EXCEED 30'-0" IN LENGTH, CEILING DIMENSIONS THAT EXCEED 50' IN EITHER DIRECTION WITH PERIMETER RELIEF AND 30' WITHOUT, AT WINGS OF "L", "U" AND "T" SHAPED CEILING AREAS, AT BUILDING EXPANSION OR CONTROL JOINTS. CONTROL JOINTS SHALL BE INSTALLED AT EACH DOOR FROM OUTSIDE CORNER OF THE TOP OF DOOR JAMB TO ABOVE CEILING. REFER TO PUBLISHED CONTROL JOINT DETAILS IN GA 600-900 FIRE RESISTANCE DESIGN MANUAL.

D. CONTRACTOR SHALL PROVIDE ADDITIONAL MATERIALS TO MAINTAIN THE APPROPRIATE FIRE RATING WHERE CONTROL JOINTS ARE LOCATED IN FIRE-RATED PARTITIONS. INSTALLATION SHALL BE PER THE DETAILS SHOWN IN THE LATEST PUBLICATION OF THE USG CONSTRUCTION HANDBOOK, GYPSUM ASSOCIATION PUBLICATION OR UNDERWRITERS LABORATORY FIRE RESISTANCE DIRECTORY AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

E. AT UL LISTED RATED ASSEMBLIES, THE CONTRACTOR IS TO VERIFY THE GYPSUM BOARD TYPE AND MANUFACTURER BASED ON THE WRITTEN DESCRIPTIONS FOR THE APPROPRIATE UL LISTED ASSEMBLY RATING SPECIFICATIONS FOUND IN THE LATEST EDITION OF THE UNDERWRITERS LABORATORY FIRE RESISTANCE DIRECTORY.

F. AT THE BASE AND HEAD OF ALL WALLS REQUIRING SOUND ATTENUATION INSULATION, ENSURE THAT THE GYPSUM WALL PANELS ARE NOT OFFSET FROM THE SUBFLOOR OR THE STRUCTURE ABOVE MORE THAN 1/2". IF CONSTRUCTION CONDITIONS REQUIRE THE GYPSUM WALL PANELS TO BE OFFSET MORE THAN 1/2", PROVIDE A CONTINUOUS BEAD OF BACKER ROD AND SEALANT TO PREVENT THE WALL BASE FROM DEFLECTING INTO THE CAVITY.

G. AT THE BASE OF ALL WALLS NOT REQUIRING SOUND ATTENUATION INSULATION, ENSURE THAT THE GYPSUM BOARD WALL PANELS ARE NOT OFFSET FROM THE SUBFLOOR GREATER THAN 1/2". IF CONSTRUCTION CONDITIONS REQUIRE THE GYPSUM BOARD WALL PANELS TO BE INSTALLED WITH AN OFFSET GREATER THAN 1/2", PROVIDE A CONTINUOUS BEAD OF BACKER ROD AND SEALANT TO PREVENT THE WALL BASE FROM DEFLECTING INTO THE CAVITY.

H. PROVIDE RED ROSIN PAPER OR SIMILAR MATERIAL BETWEEN DISSIMILAR MATERIALS

I. PROVIDE 5/8" FIRE RATED MOISTURE RESISTANT/MOLD RESISTANT GYPSUM BOARD AT ALL LOCATIONS WHERE WATER PRODUCING DEVICES MAY BE PRESENT OR SPLASHED ONTO THE WALL SURFACE (I.E. WATER COOLERS, SINKS, LAVATORIES, HOSE BIBS, ETC.) EXTEND GYPSUM BOARD A MINIMUM OF 4'-0" IN ALL DIRECTIONS FROM CENTER OF DEVICE.

J. EXTEND FIRE RATED PARTITIONS, BARRIERS AND OTHER SEPARATIONS TO BOTTOM OF ROOF DECK ABOVE AND TO EXTERIOR WALL. EXTEND GYPSUM BOARD TO FURTHEST EXTENT POSSIBLE AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

K. PROVIDE CONTINUOUS STIFFENER CHANNELS AT 4'-0" MAXIMUM VERTICAL SPACING, TYPICAL. ALSO PROVIDE AT MIDPOINT BETWEEN BOTTOM OF STRUCTURE AND HEAD OF INTERIOR WINDOWS AND DOORS AS WELL AS HINGE MIDPOINT AT DOORS. IF DOOR OPENING IS OVER 4'-0" LONG, PROVIDE STIFFENER CHANNELS AT ALL HINGE POINTS FOR MINIMUM OF 2 STUD SPACES HORIZONTALLY.

L. AT ALL INTERSECTIONS WITH CEILINGS, PROVIDE METAL STUD FIRE BLOCKING AT NO GREATER THAN 8'-0" APART AND AS REQUIRED BY THE FIRE RATED ASSEMBLY.

M. PROVIDE TILE BACKER BOARD AT AREAS TO RECEIVE TILE FINISH, SEE INTERIOR FINISH PLANS.

N. ON FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS, PROVIDE EFFECTIVE AND PERMANENT IDENTIFICATION WITH SIGNS OR STENCILING AS REQUIRED BY CODE.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER
A-2018007676
ARCHITECT

Date: 11/26/2025

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Engineers | Architects | Surveyors | Scientists

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232009
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232005

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

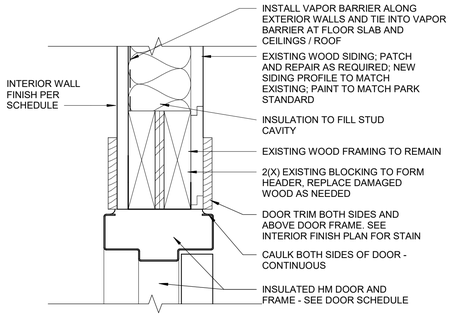
PARTITION TYPES AND CEILING DETAILS

SHEET NUMBER:

A-601

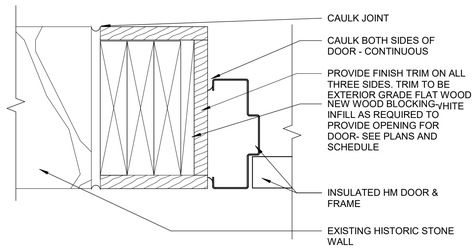
SHEET 145 of 219
ISSUE DATE 11/26/2025

11/26/2025 3:41:28 PM



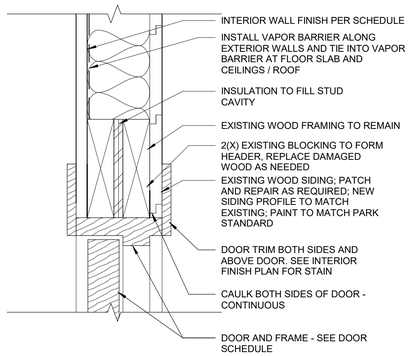
9 TYPICAL EXTERIOR DOOR HEAD DETAIL-IHM

SCALE: 3" = 1'-0"



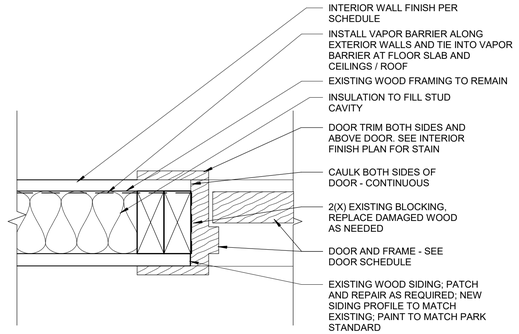
8 EXTERIOR DOOR JAMB DETAIL AT LOWER DORM BASEMENT-ALT #1

SCALE: 3" = 1'-0"



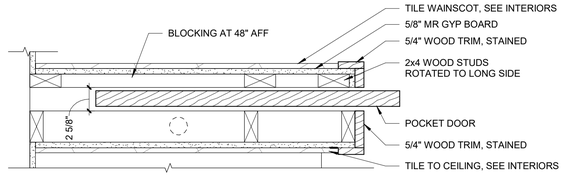
7 TYPICAL EXTERIOR DOOR HEAD DETAIL

SCALE: 3" = 1'-0"



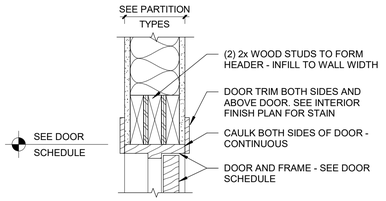
6 TYPICAL EXTERIOR DOOR JAMB DETAIL

SCALE: 3" = 1'-0"



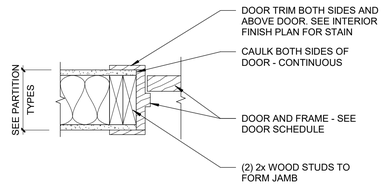
5 JACK AND JILL BATHROOM POCKET DOOR

SCALE: 1 1/2" = 1'-0"



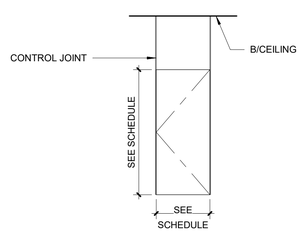
4 HEAD DETAIL @ WOOD STUD - INTERIOR

SCALE: 1 1/2" = 1'-0"



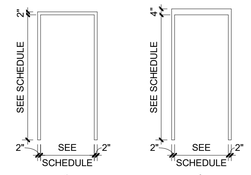
3 JAMB DETAIL @ WOOD STUD - INTERIOR

SCALE: 1 1/2" = 1'-0"



2 CONTROL JOINT DETAIL AT DOOR

SCALE: 1/4" = 1'-0"



1 FRAME ELEVATIONS

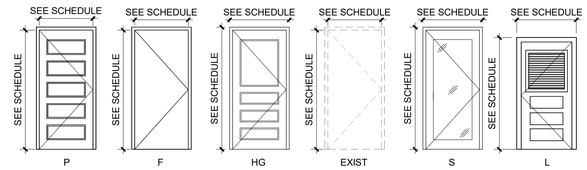
SCALE: 1/4" = 1'-0"

DOOR SCHEDULE

NO.	WIDTH	HEIGHT	DOOR THICK	MAT'L	FINISH	ELEV	DOOR FRAME MAT'L	FINISH	ELEV	HEAD DETAIL NO.	JAMB DETAIL NO.	THRESH DETAIL NO.	LBL (MINUTES)	HDWR SET	NOTES
LOWER DORM															
100-1	3' - 0"	6' - 0"	1 3/4"	IHM	PNT	HG	IHM	PNT	1	9/A-602	8/A-602	N/A		8.0	7,12
100-2	3' - 0"	6' - 8"	1 3/4"	IHM	PNT	F	IHM	PNT	1	9/A-602	8/A-602 SIM.			20.0	
102-1	3' - 0"	6' - 8"	1 3/4"	IHM	PNT	HG	IHM	PNT	1	9/A-602	8/A-602 SIM.			2.0	7,12
103-1	3' - 0"	6' - 8"	1 3/4"	IHM	PNT	HG	IHM	PNT	1	7/A-602	6/A-602	7/A-501		2.0	7,12
104-1	5' - 8"	7' - 1"	1 3/4"	EXIST	PNT	G	EXIST	PNT	EXIST	N/A	N/A			22.0	8
105-1	2' - 5"	7' - 0"	1 3/4"	EXIST	PNT	EXIST	EXIST	PNT	EXIST	N/A	N/A			25.0	8
106-1	5' - 8"	7' - 1"	1 3/4"	EXIST	PNT	G	EXIST	PNT	EXIST	N/A	N/A			22.0	8
107-1	5' - 8"	7' - 1"	1 3/4"	EXIST	PNT	G	EXIST	PNT	EXIST	N/A	N/A			22.0	8
108-1	5' - 8"	7' - 1"	1 3/4"	EXIST	PNT	G	EXIST	PNT	EXIST	N/A	N/A			22.0	8
109-1	5' - 8"	7' - 1"	1 3/4"	EXIST	PNT	G	EXIST	PNT	EXIST	N/A	N/A			22.0	8
110-1	2' - 0"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			28.0	
111-1	3' - 0"	7' - 0"	1 3/4"	WD	PNT	HG	WD	PNT	1	4/A-602	3/A-602			26.0	6
112-1	3' - 0"	7' - 0"	1 3/4"	WD	PNT	HG	WD	PNT	1	4/A-602	3/A-602			27.0	6
LODGE															
200-1	2' - 10"	6' - 0"	2"	WD	PNT	L	WD	PNT	1	7/A-602	6/A-602			8.0	7
200-2	2' - 10"	6' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	7/A-602	6/A-602			8.0	7
200-3	3' - 0"	7' - 0"	1 3/4"	IHM	PNT	F	IHM	PNT	1	9/A-602	8/A-602 SIM.			19.0	
200-5	2' - 7"	6' - 1"	1 3/4"	WD	PNT	P	WD	PNT	1						7
200-6	2' - 0"	2' - 0"	1 1/4"	IHM	PNT	F	IHM	PNT	1	9/A-602	8/A-602 SIM.			16.0	
200-7	2' - 5"	2' - 5"	1 1/4"	EXIST	PNT	F	EXIST	PNT	1	N/A	N/A			30.0	
200-8	2' - 5"	2' - 5"	1 1/4"	EXIST	PNT	F	EXIST	PNT	1	N/A	N/A			30.0	
200-9	2' - 5"	2' - 5"	1 1/4"	EXIST	PNT	F	EXIST	PNT	1	N/A	N/A			30.0	
200A-1	3' - 0"	7' - 0"	1 3/4"	IHM	PNT	F	IHM	PNT		9/A-602	8/A-602 SIM.				
201-1	2' - 10"	6' - 6"	1 3/4"	WD	PNT	S	WD	PNT	1	7/A-602	6/A-602			11.0	2
202-1	3' - 0"	7' - 0"	1 3/4"	IHM	PNT	HG	IHM	PNT	1	9/A-602	8/A-602 SIM.			7.0	2,5,12
202-2	3' - 0"	6' - 8"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			17.0	
205-1	2' - 10"	7' - 0"	1 3/4"	EXIST	PNT	P	EXIST	PNT	1	7/A-602	6/A-602				8(EXTERIOR)
205-2	3' - 0"	6' - 8"	1 3/4"	EXIST	EXIST	P	EXIST	EXIST	1	7/A-602	6/A-602				11
206-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			26.0	
207-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			26.0	
208-1	2' - 0"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			17.0	
209-1	3' - 0"	7' - 0"	1 3/8"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602		45 MIN.	14.0	
209-2	3' - 0"	6' - 8"	1 3/4"	IHM	PNT	P	IHM	PNT	1	9/A-602	8/A-602 SIM.		20 MIN.	3.0	12
209-3	2' - 10"	6' - 8"	1 3/4"	IHM	PNT	HG	IHM	PNT	1	9/A-602	8/A-602 SIM.		20 MIN.	3.0	12
210-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602		20 MIN.	15.0	
211-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			24.0	
212-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602		20 MIN.	15.0	
213-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			24.0	
214-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602		20 MIN.	15.0	
215-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			24.0	
216-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602		20 MIN.	15.0	
217-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			24.0	
218-1	3' - 0"	7' - 0"	1 3/8"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602		20 MIN.	21.0	
219-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602		20 MIN.	15.0	
220-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602		20 MIN.	24.0	
220-2	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			24.0	
220-3	2' - 10"	7' - 0"	1 3/8"	WD	PNT	P	WD	PNT	1	4/A-602	5/A-602			29.0	4
221-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602		20 MIN.	15.0	
222-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602		20 MIN.	24.0	
222-2	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			24.0	
223-3	2' - 10"	7' - 0"	1 3/8"	WD	PNT	P	WD	PNT	1	4/A-602	5/A-602			29.0	4
223-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602		20 MIN.	15.0	
225-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602		20 MIN.	15.0	
RESTROOM															
300-1	2' - 10"	6' - 8"	1 3/4"	WD	PNT	P	WD	PNT	1	7/A-602	6/A-602				2,12
300-2	2' - 10"	6' - 8"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			18.0	
301-1	2' - 10"	6' - 8"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			24.0	
302-1	2' - 10"	6' - 8"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			24.0	
303-1	2' - 10"	6' - 8"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			24.0	
304-1	2' - 10"	6' - 8"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			24.0	
305-1	3' - 0"	6' - 8"	1 3/4"	IHM	PNT	P	IHM	PNT	1	9/A-602	8/A-602 SIM.				5,7,12
305-2	2' - 10"	6' - 8"	1 3/4"	WD	PNT	HG	WD	PNT	1	4/A-602	3/A-602			23.0	
GAME ROOM															
400-1	3' - 0"	7' - 0"	1 3/4"	WD	PNT	HG	WD	PNT	1	7/A-602	6/A-602			2.0	7
GYMNASIUM															
500-1	3' - 0"	7' - 0"	1 3/4"	WD	PNT	HG	WD	PNT	1	7/A-602	6/A-602			2.0	
500-2	3' - 0"	7' - 0"	1 3/4"	WD	PNT	HG	WD	PNT	1	7/A-602	6/A-602			2.0	
FAMILY CABIN															
600-1	3' - 0"	7' - 0"	1 3/4"	WD	PNT	S	WD	PNT	1	7/A-602	6/A-602			5.0	
600-2	2' - 8"	3' - 0"	1 3/4"	WD	PNT	F	WD	PNT	1					31.0	
601-1	2' - 8"	7' - 0"	1 3/4"	WD	PNT	HG	WD	PNT	1	7/A-602	6/A-602			4.0	7
603-1	2' - 8"	7' - 0"	1 3/4"	WD	PNT	HG	WD	PNT	1	7/A-602	6/A-602			12.0	5,7
604-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			24.0	
605-1	2' - 8"	7' - 0"	1 3/8"	WD	PNT	P	WD	PNT	1	7/A-602	6/A-602			10.0	1
606-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			24.0	
606-2	2' - 4"	7' - 0"	1 3/4"	WD	PNT	HG	WD	PNT	1	7/A-602	6/A-602			9.0	7
607-1	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			24.0	
607-2	2' - 10"	7' - 0"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			24.0	
609-1	3' - 0"	7' - 0"	1 3/4"	IHM	PNT	F	IHM	PNT	1	9/A-602	8/A-602 SIM.			8.0	
610-1	3' - 0"	7' - 0"	1 3/4"	IHM	PNT	S/HG	IHM	PNT	1	9/A-602	8/A-602 SIM.			10.0	5,7,12
610-2	3' - 0"	7' - 0"	1 3/4"	IHM	PNT	S/HG	IHM	PNT	1	9/A-602	8/A-602 SIM.			12.0	5,7,12
612-1	2' - 0"	6' - 8"	1 3/4"	WD	PNT	P	WD	PNT	1	4/A-602	3/A-602			28.0	
TWO BEDROOM															
700-01	2' - 0"	2' - 0"	1 1/4"	HM	PNT	F	HM	PNT	1					6.0	
701-01	3' - 0"	6' - 8"	1 3/4"	IHM	PNT	S/HG	IHM	PNT	1	2/A-501	1/A-501	6/A-501		11.0	
702-01	3' - 0"	6' - 8"	1 3/4"	IHM	PNT	S/HG	IHM	PNT	1	2/A-501	1/A-501	7/A-501		4.0	
703-01	3' - 0"	6' - 8"	1 3/4"	HM	PNT	P	HM	PNT	1	2/A-502	1/A-502	7/A-501		8.0	
705-01	3' - 0"	6' - 8"	1 3/4"	STN	WD	P	WD	STN	1	14/A-501	13/A-501			24.0	
706-01	3' - 0"	6' - 8"	1 3/4"	STN	WD	P	WD	STN	1	14/A-501	13/A-501			24.0	
707-01	3' - 0"	6' - 8"	1 3/4"	STN	WD	P	WD	STN	1	14/A-501	13/A-501			24.0	

EXIST=	**EXISTING**	**PF=**	**PREFINISHED**
FGCW=	**FIBERGLASS CLAD WOOD**	**PNT=**	**PAINT**
HM=	**HOLLOW METAL**	**STN=**	**STAIN**
IHM=	**INSULATED HOLLOW METAL**	**WD=**	**WOOD**

NOTES:
1. NEW DOOR
2. NEW DOOR AND FRAME IN WIDER OPENING
3. EXISTING DOOR TO BE REMOVED, RESTORED, AND REINSTALLED
4. POCKET DOOR
5. REVERSE DOOR SWING
6. FROSTED GLASS
7. NEW DOOR AND FRAME IN EXISTING OPENING
8. PAINT EXISTING DOOR
9. MATCH EXISTING DOOR
10. MODIFY DOOR TO ACCOMMODATE ADJUSTED FLOOR SLOPE
11. EXISTING DOOR TO BE REMOVED, REDUCE SIZE, RESTORED, AND REINSTALLED
12. IHM DOORS DESIGNATED WITH THE HG OR P DOOR ELEVATION TYPE TO FEATURE CUSTOM FACTORY APPLIED MOLDINGS



Door Elevations

NOTES:
1. ALL EXTERIOR GLASS SHALL BE INSULATED
2. ALL GLASS MUST BE TEMPERED
3. S/HG IS EXTERIOR DOOR AND SCREEN DOOR

STATE OF MISSOURI
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ARCHITECT

Date: 11/26/2025

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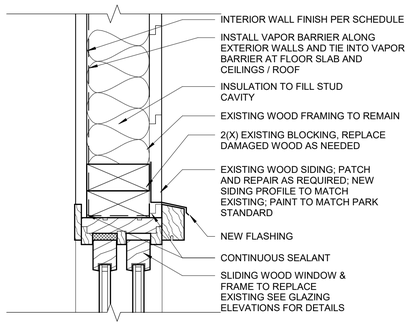
DOOR SCHEDULE, ELEVATIONS AND DETAILS

SHEET NUMBER:

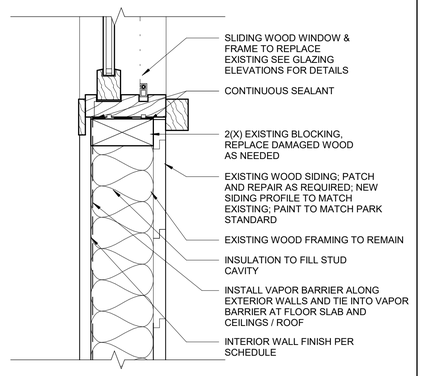
A-602

SHEET 146 of 219
ISSUE DATE 11/26/2025

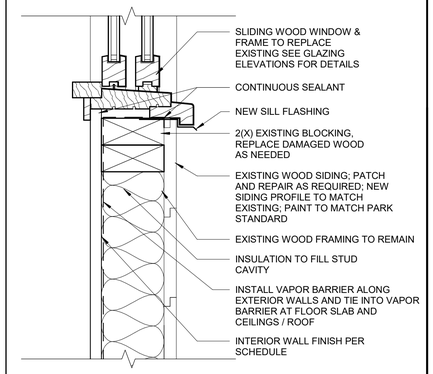
11/26/2025 3:41:29 PM



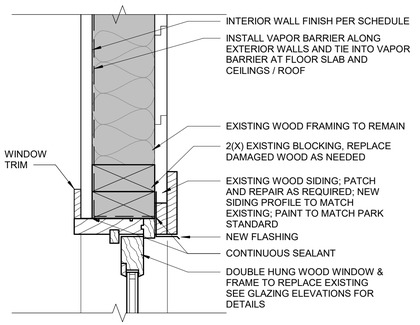
7 **LODGE TYPICAL SLIDING WINDOW HEAD**
SCALE: 3" = 1'-0"



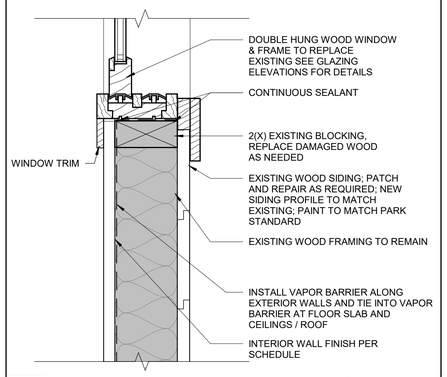
5 **LODGE TYPICAL SLIDING WINDOW JAMB**
SCALE: 3" = 1'-0"



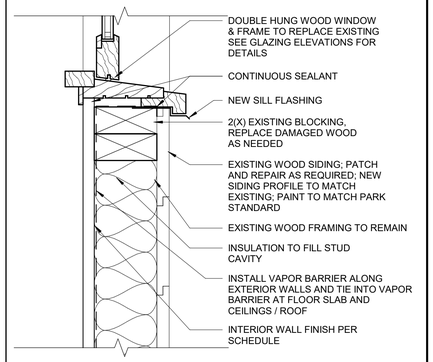
3 **LODGE TYPICAL SLIDING WINDOW SILL**
SCALE: 3" = 1'-0"



6 **TYPICAL DOUBLE HUNG WINDOW HEAD**
SCALE: 3" = 1'-0"



4 **TYPICAL DOUBLE HUNG WINDOW JAMB**
SCALE: 3" = 1'-0"



2 **TYPICAL DOUBLE HUNG WINDOW SILL**
SCALE: 3" = 1'-0"

GLAZING GENERAL NOTES

A. INTERIOR GLASS TO BE REPLACED TO MATCH EXISTING.

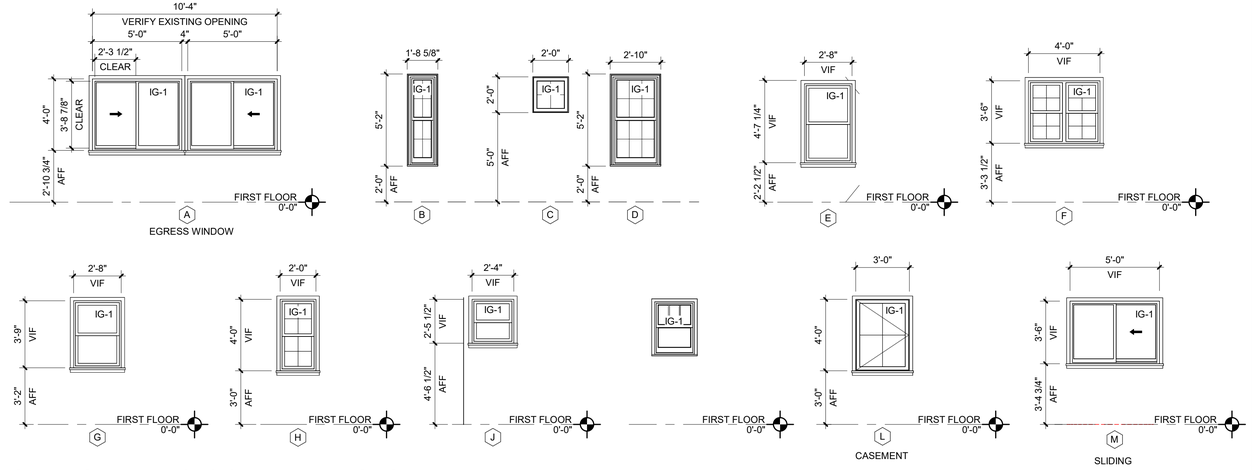
B. GLASS IN DOORS SHALL BE TEMPERED.

C. SIZES SHOWN ARE NOMINAL, CONTRACTOR SHALL DETERMINE CLEARANCES REQUIRED FOR JOINTS, ETC.

D. AT ALL SINGLE PANE WINDOWS, INSTALL REMOVABLE STORM PANELS.

E. ONE WINDOW MINIMUM IN EACH SLEEPING UNIT/ BEDROOM TO MEET EGRESS REQUIREMENTS. CLEAR OPENING AREA = 8.4 SQ. FT. > 5.7 SQ. FT. MIN. REQUIRED PER SECTION 1031.3.1 2021 IBC

IG-1 = EXTERIOR GLAZING, TEMPERED, LOW-E GLAZING UNIT



1 **GLAZING ELEVATIONS OF NEW WINDOWS**
SCALE: 1/4" = 1'-0"

11/26/2025 3:51:33 PM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

NICHOLAS RYAN BRUNER
NUMBER
A-2018007676
ARCHITECT

Date: 11/26/2025

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OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT, DESIGN
AND CONSTRUCTION

DEPARTMENT OF NATURAL
RESOURCES DIVISION OF STATE
PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☒
Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☒
Gymnasium	7815232011	☒	(2B)Cabin E	7815232006	☒
Game Room	7815232012	☒	(2B)Cabin F	7815232007	☒
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☒
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

GLAZING ELEVATIONS AND DETAILS

SHEET NUMBER:

A-603

SHEET 147 of 219
ISSUE DATE 11/26/2025

DEMOLITION KEYNOTES (BY DIVISION)

D#.#

DIVISION 03 CONCRETE	
D3.01	REMOVE SLAB 8" OFFSET FROM EXTERIOR WALLS. EXTERIOR WALLS AND FOUNDATION TO REMAIN INTACT. PREPARE FOR NEW SLAB.
D3.02	REMOVE APPROXIMATELY 4 IN. OF EXISTING CONCRETE. PROVIDE ROUGH SURFACE IN PREPARATION TO RECEIVE NEW CONCRETE WALK.
D3.03	REMOVE EXISTING CONCRETE STAIR
D3.04	REMOVE PORTION OF CONCRETE SLAB FOR FLOOR DRAIN.
D3.05	EXISTING CONCRETE FLOOR TO BE GRINDED DOWN TO APPROXIMATELY 2" BELOW EXIST. KITCHEN FINISH FLOOR. CREATE ROUGH TEXTURE IN PREPARATION FOR NEW CONCRETE TOPPING.
D3.06	REMOVE TWO (2) EXISTING CONCRETE RISERS SET IN GRADE. CONTRACTOR TO FIELD VERIFY EXTENT OF WORK. INFILL WITH SUITABLE FILL AS REQUIRED
D3.07	REMOVE STONE PATIO IN ITS ENTIRETY. PREPARE FOR NEW CONCRETE PATIO WORK.
D3.08	REMOVE CONCRETE SLAB AT DOOR. PREPARE GROUND FOR NEW WORK, SEE CIVIL
DIVISION 04 MASONRY	
D4.01	REMOVE WALL AS REQUIRED FOR NEW WORK. PATCH TO MATCH EXISTING. TOOTH-IN MASONRY AT AREAS OTHER THAN NEW WALL. PROVIDE TEMPORARY BRACING FOR ROOF STRUCTURE ABOVE.
D4.02	DEMOLISH EXTERIOR MASONRY WALL FOR NEW OPENING. SAW CUT AS NECESSARY TO PROVIDE A PROFESSIONAL EDGE. PREPARE OPENING FOR NEW WORK.
D4.03	PREP FIREPLACE AND SURROUNDING ELEMENTS FOR NEW FINISHES/ INSERTS/ TUCKPOINTING.
D4.04	FACE OF EXPOSED HISTORIC STALAGTITE/STALAGMITE WALL. REPAIR AS NEEDED TO MAINTAIN CONTINUOUS SEAL AND STRUCTURAL STABILITY. MORTAR TO MATCH. MAINTAIN RANDOM PATTERN TO MATCH EXISTING.
D4.05	REPAIR/ REPLACE CONC BLOCK PER STRUCTURAL.
DIVISION 05 METALS	
D5.01	REMOVE HANDRAIL. GRIND POSTS FLUSH WITH CONCRETE AND PATCH VOIDS IN SLAB AND/OR SIDING FROM HANDRAIL REMOVAL.
DIVISION 06 WOOD, PLASTICS, COMPOSITES	
D6.01	REMOVE ALL CASEWORK, SHELVING AND ASSOCIATED COMPONENTS.
D6.02	DEMOLISH EXISTING STAIR CASE/LANDING IN ITS ENTIRETY.
D6.03	EXISTING WOOD FLOOR SCHEDULED TO REMAIN SHALL BE PATCHED AND REPAIRED WITH SALVAGED WOOD, OR NEW INFILL TO MATCH EXISTING IN SIZE AND SPECIES. TOOTH IN SALVAGED BOARDS IN STAGGERED JOINTS TO MATCH ADJACENT INSTALLATION. SAND ENTIRE FLOOR TO RAW WOOD. REFINISH AS SPECIFIED.
D6.04	REMOVE EXISTING WALL PANELING. CONTRACTOR TO FIELD VERIFY EXISTING CONDITION OF WALL FINISH AND PATCH WITH MOISTURE RESISTANT GYP. BOARD AND/OR FIBER CEMENT BACKER BOARD
D6.05	REMOVE COLUMN WRAP AND ABANDON ELECTRICAL.
D6.06	WALL AND SUPPORTING STRUCTURE TO BE STABILITIZED. REPAIR OR REPLACE EXISTING FRAMING MEMBERS AS REQ'D, COORDINATE WITH ARCHITECT AND STRUCTURAL ENGINEER
D6.07	EXISTING EXTERIOR WOOD STAIR TO REMAIN
D6.08	REMOVE RAILS, BALUSTERS, AND ASSOCIATED CORNER POSTS ABOVE DECKING. PREP AREA FOR NEW POSTS, RAILS AND BALUSTERS, SEE DETAILS.
D6.09	REMOVE WOOD BUMPOUTS. PREPARE FOR NEW SIDING.
DIVISION 07 THERMAL AND MOISTURE PROTECTION	
D7.01	REMOVE ROOF SHINGLES, DAMAGED ROOF FASCIA BOARD, AND DAMAGED ROOF TRUSS MEMBERS. USE UP-2 FOR UNIT PRICING. PATCH ROOF SHEATHING AS REQ'D AND PREPARE FOR NEW WORK. INFILL ABANDONED PENETRATIONS.
D7.02	REMOVE ROOF VENT AND ASSOCIATED ELEMENTS. PATCH ROOF SHEATHING AS REQ'D AND PREPARE FOR NEW WORK.
DIVISION 08 OPENINGS	
D8.01	PATCH AND REPAIR SCREENS AND FRAMES AS REQ'D.
D8.02	REMOVE WINDOW AND PREP OPENING TO RECEIVE NEW WINDOW.
D8.03	DEMO ROOF ABOVE FOR NEW HOOD PENETRATION
D8.04	REMOVE DOOR/WINDOW, FRAME, AND HARDWARE IN ITS ENTIRETY. PREP AREA FOR INFILL W/ SIMILAR WALL CONSTRUCTION AND FINISH TO MATCH ADJACENT SURFACES.
D8.05	NEW / MODIFIED OPENING IN EXISTING EXTERIOR WALL. MODIFY PER STRUCTURAL. PATCH/INSTALL NEW TRIM, SIDING, AND INTERIOR FINISHES AS NEEDED. CONTRACTOR TO TAKE SPECIAL CARE TO MAINTAIN INTERIOR AND EXTERIOR FINISHES TO REMAIN. OWNER MAY SALVAGE HARDWARE WHERE DESIRED. INFILL OPENING W/ SIMILAR WALL CONSTRUCTION AND FINISH TO MATCH ADJACENT SURFACES.
D8.06	REMOVE AND REPLACE OR REPAIR LOUVER TO MATCH EXISTING. EXISTING LOUVER, SEE ELEVATIONS FOR ADDITIONAL INFORMATION.
D8.07	REMOVE EXISTING WOOD SALOON STYLE DOORS
D8.08	PATCH AND REPAIR ACCESS DOOR AS REQ'D
D8.09	REMOVE DOOR, FRAME, AND HARDWARE IN ITS ENTIRETY. PREP AREA FOR FOR NEW DOOR AND FRAME.
DIVISION 09 FINISHES	
D9.01	REMOVE FLOORING MATERIAL DOWN TO SUBFLOOR AND ASSOCIATED ITEMS. REPAIR DAMAGED SUBFLOOR AS REQ'D. PREPARE FLOOR FOR NEW FINISHES AS NOTED ON INTERIOR FINISH DRAWINGS.
D9.02	REMOVE EXISTING CEILING, LIGHT FIXTURES, HANGERS AND WIRES IN THEIR ENTIRETY. SEE MECHANICAL & ELECTRICAL DRAWINGS FOR ASSOCIATED WORK. PATCH WALLS TO MATCH ADJACENT SURFACES WHERE DAMAGED BY REMOVAL OF EXISTING PERIMETER ANGLE.
D9.03	EXISTING WOOD FLOORS AND WOOD WALL PANELING TO REMAIN. SAND DOWN WOOD TO BARE FINISH. AREAS IMPACTED BY DEMOLITION TO RECEIVE EXISTING SALVAGED WOOD FLOORING AND TOOTHED INTO LAYOUT. PREPARE TO REFINISH WITH STAIN AND POLYURETHANE.
D9.04	EXISTING WOOD SIDING TO BE REPLACED AND REPAIRED IN SECTIONS WHERE DAMAGE (UP-3)
D9.05	REMOVE WALL IN ITS ENTIRETY. PATCH VOID FROM WALL REMOVAL TO MATCH ADJACENT CONSTRUCTION, PREPARE FOR NEW WORK
D9.07	REMOVE WALL BASE FROM WALLS WHERE DEMO OCCURS. INSTALL NEW WALL BASE TO MATCH EXISTING IN HEIGHT, PROFILE AND FINISH.
D9.08	REMOVE INTERIOR FINISH MATERIAL. PREPARE WALLS FOR NEW INSULATION AND VAPOR BARRIER.
D9.09	REMOVE CEILING AND ASSOCIATED TRIM. PREP FOR NEW CEILING AND TRIM TO MATCH EXISTING.
D9.10	REMOVE ALL FINISHES FROM ROOM. PREPARE FOR NEW.
D9.11	REMOVE ALL EXISTING TRIM BOARD. PATCH AND/OR REPLACE SIDING AS REQ'D. MATCH EXISTING PROFILE AND PREPARE FOR PAINT.
D9.12	REMOVE GYPSUM WALL BOARDS FROM EXISTING WALLS. PREPARE FOR NEW WORK.
D9.13	REMOVE RECESSED WALL SHELVES AND TRIM.
D9.14	REMOVE WOOD WALL PANELING, CROWN MOLDING, SCALLOP TRIM AND/OR CHAIR RAIL (WHERE APPLICABLE) AND SALVAGE FOR REUSE. COORDINATE STORAGE LOCATION OF WOOD WITH OWNER. PREPARE WALL FOR NEW FINISHES AS INDICATED IN FINISH DRAWINGS.
D9.15	REMOVE WOOD SCALLOP MOLDING. SALVAGE PANELING AND WOOD CASING FOR FUTURE USE. SEE FINISH DRAWING.
D9.16	SEE FLOOR AND FINISH PLANS FOR GYM FLOORING REFINISHING SCOPE.
D9.17	REMOVE WALL IN ITS ENTIRETY.
D9.18	REMOVE MELAMINE WALL PANEL, PATCH WALL AS REQ'D AND PREPARE FOR NEW FINISHES.
D9.19	REMOVE EXISTING WALL FINISH THIS SIDE OF PARTITION ONLY TO EXISTING STUDS. ADD SOUND BATT INSULATION TO FILL CAVITY UP TO STRUCTURE. COORDINATE WITH NEW CONSTRUCTION.
D9.20	CAREFULLY REMOVE EXISTING MANTEL AND PREPARE SURFACE FOR NEW WORK
D9.21	CAREFULLY REMOVE ANY DAMAGED WOOD FLOOR PLANKS AND REPLACE WITH NEW - PREP FLOOR TO BE REFINISHED AS INDICATED ON INTERIORS DRAWINGS.
D9.22	REMOVE ALL SIDING AND PREPARE WALL TO RECEIVE NEW INSULATION AND SIDING
DIVISION 10 SPECIALTIES	
D10.01	REMOVE SATELLITE DISH
D10.02	REMOVE ALL MIRRORS, WALL MOUNTED TOILET AND BATH ACCESSORIES, AND WALL MOUNTED LIGHTING
DIVISION 11 EQUIPMENT	
D11.01	REMOVE EXISTING EQUIPMENT.
DIVISION 22 PLUMBING	
D22.01	REMOVE EXISTING PLUMBING FIXTURE. SEE PLUMBING DRAWINGS FOR ASSOCIATED WORK
DIVISION 23 HEATING, VENTILATING, AND AIR CONDITIONING	
D23.01	REMOVE THRU-WALL AIR CONDITIONER. PREPARE FOR NEW WORK.

KEYNOTES (BY DIVISION)

x.x

DIVISION 03	
3.1	POUR SELF LEVELING LIGHT WEIGHT CONCRETE TOPPING OVER NEW VAPOR BARRIER ON EXISTING CONCRETE SLAB; ALIGN WITH NEW DOOR.
3.2	NEW CONCRETE SLAB AND VAPOR BARRIER. SEE STRUCTURAL FOR DETAILS.
3.3	POUR SELF LEVELING LIGHT WEIGHT CONCRETE TOPPING; BOND NEW CONCRETE TO ROUGHEND EXISTING CONCRETE AND USE BONDING ADHESIVE. ALIGN TOP OF CONCRETE WITH EXISTING KITCHEN FLOOR.
3.4	INSTALL CONCRETE SLAB, SEE CIVIL.
3.5	CONTINUOUS 1/2" BITUMINOUS JOINT AROUND THE ROOM PERIMETER AS SHOWN.
3.06	NEW 4" CONCRETE TOPPING BONDED TO EXISTING GRINDED CONCRETE. FINISH ELEVATIONS TO MATCH ORIGINAL FINISH ELEVATIONS. ENSURE POSITIVE DRAINGAGE AWAY FROM BUILDING.
DIVISION 04	
4.1	REPAIR CMU WALL, SEE STRUCTURAL.
4.2	CLEAN ALL EXISTING STONE. TUCKPOINT STONE AS REQ'S, (UP-1) MATCH EXISTING GROUT COLOR AND AGGREGATE. REFINISH MANTLE. INSTALL NEW GAS FIREPLACE INSERT
4.3	<varies>
4.4	CLEAN ALL EXISTING STONE. TUCKPOINT STONE AS REQ'D. REFER TO SPECIFICATION SECTION 040343 FOR SCOPE OF WORK (UP-1). MATCH EXISTING GROUT COLOR AND AGGREGATE.
4.6	APPLY MINIMUM OF 1/8" MORTAR BED OVER CONCRETE FOR SHOWER BASE
DIVISION 06	
6.1	WALL AND SUPPORTING STRUCTURE TO BE STABILITIZED. REPAIR OR REPLACE EXISTING FRAMING MEMBERS AS REQ'D. RECONSTRUCT TO MATCH ADJACENT WALL CONSTRUCTION, COORDINATE WITH ARCHITECT. EXTERIOR FINISHES TO MATCH EXISTING.
6.2	FURNISH AND INSTALL BEADBOARD TO MATCH EXISTING STYLE AND FINISH. SEE INTERIORS.
6.3	NEW PAINTED CEDAR WOOD RAILS, BALLUSTERS, AND POSTS. MATCH EXISITNG ON-SITE STYLE
6.4	INSTALL CUSTOM WOOD BENCH, SEE DETAIL 3/A-506.
6.5	FURNISH AND INSTALL CODE COMPLIANT RAILING AND GUARDRAIL, SEE DETAILS ON A-409.
6.6	PROVIDE BLOCKING IN STUD SPACE AS REQ'D FOR RANGE HOOD SUPPORT.
6.7	INSTALL 3/4" PLYWOOD ON FLOOR AND SHIM AS REQ'D TO LEVEL FLOOR. INSTALL THROUGHOUT THE ENTIRETY OF THE FIRST FLOOR LODGE WITH THE EXCEPTION OF THE PORCH (201) AND THE FRONT PORCH (205).
6.8	NEW SURFACE MOUNTED WOOD GUARDRAIL SYSTEM TO MATCH EXISTING ON SITE RAILING - SEE DETAILS
6.9	1" TONGUE AND GROOVE COMPOSITE DECKING OVER DOUGLAS FIR DECK FRAMING
6.10	CANTILEVERED CEDAR FRAMED DECK STRUCTURE W/ 8" x 8" POSTS AND X BRACING AT EACH COLUMN BAY. PAINT TO MATCH EXISTING ON-SITE STYLE. FINAL DESIGN TO BE PROVIDED FOLLOWING GEOTECHNICAL REPORT.
DIVISION 07	
7.1	SHINGLE OVER RIDGE VENT.
7.2	FURNISH AND INSTALL VAPOR BARRIER. SEE TYPICAL DETAILS.
7.3	NEW FASCIA, SOFFIT, GUTTER (WHERE APPLICABLE) WITH LEAF GUARD - CAP EXPOSED ENDS
7.4	DOWNSPOUT. LOCATE ON CORNERBOARD AT CORNERS.
7.5	SPLASHBLOCK.
7.6	NEW ASPHALT SHINGLE SYSTEM OVER EXISTING/REPAIRED SHEATHING; MATCH EXISTING SIZE, STYLE AND COLOR.
7.7	R-49 MIN INSULATION, STRAP COLLAR TIES AS REQUIRED FOR SUPPORT; MAINTAIN VENTED COLD ROOF.
7.8	R-49 MIN LOOSE FILL INSULATION.
7.9	APPLY SPRAY FOAM INSULATION TO FILL RAFTER BAYS AT SLOPED CEILINGS, PROVIDE BAFFLE, SEE DETAIL.
7.10	APPLY SPRAY FOAM INSULATION TO THE UNDERSIDE OF THE FLOOR SHEATHING BETWEEN JOISTS; TIE INTO VAPOR BARRIER BELOW; SEE DETAILS.
7.11	ASPHALT SHINGLE SYSTEM OVER SHEATHING.
7.12	CENTER A 36 IN. WIDE STRIP OF ICE AND WATER DAM SHEET IN ALL VALLEYS, TYP. U.N.O.
DIVISION 08	
8.1	NEW OPERABLE WINDOW IN NEW OPENING.
8.2	RE-CASE WINDOW TO MATCH FACILITY STANDARD. FINISH TO MATCH WALL BASE.
8.3	NEW OPERABLE WINDOW IN EXISTING WINDOW OPENING.
8.4	REPLACE EXISTING SCREENS, REPLACE DAMAGED SCREEN WOOD SUPPORTS, REPAINT EXISTING WOOD FRAMES.
8.5	EXISTING WINDOW TO BE LEFT IN PLACE, PAINTED AND REPAIRED AS NEEDED. WINDOW SHALL NOT BE OPERABLE.
8.6	REPLACE EXISTING VENT WITH WATER-TIGHT FAUX VENT TO MATCH EXISTING OPENING SIZE. PAINT TO MATCH EXISTING.
8.7	WINDOW TO BE PATCHED, REPAIRED, PAINTED AND MADE TO FUNCTION AS ORIGINALLY INTENDED.
8.8	INSTALL RESILIENT CHANNEL ON CORRIDOR SIDE ONLY.
8.9	NEW WINDOW IN EXISTING MODIFIED OPENING. FILL STUD SPACE BELOW WINDOW WITH BATT INSULATION AND COVER WITH VAPOR BARRIER, SEE TYPICAL WALL SECTION. MAKE BOTH SIDES FLUSH/ MATCH EXISTING FINISHES.
8.10	NEW DOUBLE PANE, DOUBLE HUNG WINDOWS SIMILAR TO EXISTING. INSTALL NEW WINDOW IN EXISTING WINDOW ROUGH OPENINGS.
8.11	FURNISH AND INSTALL INTERIOR REMOVABLE STORM WINDOW PANEL.
8.12	REPAIR/ PAINT EXISTING GLASS PANELS AND TRIM. REPAIR SCREENS AS REQ'D.
8.13	INFILL EXISTING OPENING. MAKE BOTH SIDES FLUSH/ MATCH EXISTING FINISHES.
8.14	INFILL OPENING W/ SIMILAR WALL CONSTRUCTION AND FINISH TO MATCH ADJACENT SURFACES. MAKE BOTH SIDES FLUSH/ MATCH EXISTING FINISHES.
DIVISION 09	
9.1	EXISTING WOOD SIDING AND TRIM: PATCH AND REPAIR AS REQUIRED (UP-3); NEW SIDING PROFILE TO MATCH EXISTING; PAINT TO MATCH PARK STANDARD.
9.2	SAND WOOD FLOOR TO BARE SURFACE. REFINISH AS SPECIFIED IN INTERIOR FINISH DRAWINGS.
9.3	INSTALL NEW INSULATION PER TYPICAL DETAIL, AND INSTALL ONE LAYER OF 5/8" TYPE X GYP BOARD.
9.4	INFILL EXISTING WALL VOID. TOOTH-IN NEW SIDING TO MATCH EXISTING. ADD FRAMING AS REQ'D. INTERIOR FINISH PER SCHEDULE.
9.5	INSTALL ONE LAYER OF 5/8" TYPE X GYP BOARD. FIRE SEAL ALONG EDGE OF CHIMNEY, FLOOR TO CEILING.
9.6	INSTALL 6" GRANULAR FILL AND VAPOR BARRIER UNDER CONCRETE SLAB, SEE WALL SECTIONS.
9.7	REMOVE, STORE, AND REINSTALL SALVAGED WOOD PANELING AND TRIM THIS SIDE OF WALL ONLY. FILL STUD BAYS WITH INSULATION PER TYPICAL DETAIL. FURNISH AND INSTALL FLAT STOCK CROWN MOLDING. STAIN PER FINISH SCHEDULE.
9.8	PATCH CEILING AS REQ'D TO MATCH ADJACENT CONSTRUCTION AND FINISHES. SEE INTERIOR FINISH SCHEDULE.
DIVISION 10	
10.1	CONCEALED COUNTERTOP SUPPORT L BRACKET, SPACING PER MFR REQUIREMENTS.
10.2	NEW WOOD FLOOR INFILL WHERE REQUIRED TO MATCH EXISTING STAIN AND HARDWOOD SPECIES. PATCH AND REPAIR CEILING AS REQ'D TO MATCH EXISTING AT DEMOLISHED WALLS AND REFINISH.

EQUIPMENT LIST

x.x

DIVISION 11		
EQ-01	WASHER	OFCI
EQ-02	DRYER	OFCI
EQ-03	RANGE (RESIDENTIAL)	OFOI
EQ-04	REFRIGERATOR (RESIDENTIAL)	OFOI
EQ-05	RANGE HOOD	CFCI
EQ-06	6 BURNER RANGE	CFCI
EQ-07	UNDERCOUNTER DISHWASHER	CFCI
EQ-08	EXHAUST HOOD, SEE MECHANICAL	CFCI
EQ-09	REACH IN FREEZER	CFCI
EQ-10	REACH IN REFRIGERATOR	CFCI
EQ-11	MICROWAVE	OFOI
EQ-12	CLEAN DISHTABLE	CFCI
EQ-13	DISHWASHER, VENTLESS	CFCI
EQ-14	SOILED DISHTABLE	CFCI
EQ-15	THREE COMPARTMENT SINK	CFCI
EQ-16	UNDERCOUNTER ICE MAKER WITH BIN	CFCI
EQ-17	COMMERCIAL COFFEE MAKER	CFCI

TOILET ACCESSORY SCHEDULE

#

MARK	DESCRIPTION	REMARKS
T1	TOILET TISSUE HOLDER	CFCI
T2	FRAMED MIRROR (24"W X 36"H)	CFCI
T3	ADA SHOWER SEAT	CFCI
T4	HOTELIER	CFCI
T5	TOWEL BAR (18"W)	CFCI
T6	SHOWER ROD (42") (CURTAIN BY OWNER)	CFCI
T7	ROBE HOOK	CFCI
T9	GRAB BAR (24")	CFCI
T10	GRAB BAR (36")	CFCI
T11	GRAB BAR (42")	CFCI
T12	L-SHAPED GRAB BAR	CFCI
T13	FRAMED MIRROR (48"W X 36"H)	CFCI
T14	UNDERLAVATORY GUARD	CFCI
T15	SANITARY NAPKIN DISPOSAL	CFCI
T16	TOWEL RING	CFCI
T17	SHOWER ROD (60") (CURTAIN BY OWNER)	CFCI
T18	MULTI ROLL TOILET TISSUE	CFCI
T19	PAPER TOWEL TRASH COMBO	CFCI
T20	SOAP DISPENSER	CFCI
T21	PAPER TOWEL DISPENSER	CFCI
T22	GRAB BAR (12")	CFCI
T23	SHOWER ROD (36") (CURTAIN BY OWNER)	CFCI
T24	UTILITY SHELF WITH MOP/BROOM HOLDER	CFCI
T25	REMOVABLE SHOWER SEAT	CFCI

CASEWORK SCHEDULE

X#

NO.	WIDTH	HEIGHT	DEPTH	DETAIL NO.	DESCRIPTION
BASE CABINETS					
B1	1' - 6"	2' - 8 1/2"	2' - 0"	3/A-505	ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B2	1' - 9"	2' - 8 1/2"	2' - 0"	3/A-505	ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B3	2' - 9"	2' - 8 1/2"	2' - 0"	3/A-505	ONE 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B4	3' - 0"	2' - 8 1/2"	2' - 0"	3/A-505	ONE 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B5	3' - 3"	2' - 8 1/2"	2' - 0"	3/A-505	ONE 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B6	1' - 3"	2' - 8 1/2"	2' - 0"	4/A-505	ONE 6" DRAWER, THREE EQUAL DRAWERS
B7	1' - 6"	2' - 8 1/2"	2' - 0"	4/A-505	ONE 6" DRAWER, THREE EQUAL DRAWERS
B8	3' - 0"	2' - 8 1/2"	2' - 0"	10/A-405	ONE DRAWER, ONE MICROWAVE SHELF
B9	2' - 9"	2' - 8 1/2"	1' - 3"	6/A-506	TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B10	3' - 6"	2' - 8 1/2"	2' - 0"	2/A-505	SINK CABINET, TWO HINGED DOORS, 6" FALSE FRONT ABOVE DOORS
B11	2' - 9"	2' - 8 1/2"	1' - 8"	1/A-505	ADA ROLL UNDER SINK BASE, SEE DETAIL
B12	3' - 4"	2' - 8 1/2"	1' - 6"	1/A-505	ADA ROLL UNDER SINK BASE, SEE DETAIL
B13	5' - 0"	2' - 8 1/2"	1' - 8"	1/A-505	ADA ROLL UNDER SINK BASE, SEE DETAIL
B15	5' - 0"	2' - 10 1/2"	1' - 8"	8/A-506	GUEST BATH BASE CABINET WITH OPEN SHELVING
B16	6' - 2 1/8"	2' - 10 1/2"	1' - 3"	8/A-506	GUEST BATH BASE CABINET WITH OPEN SHELVING
B17	3' - 0"	2' - 10 1/2"	2' - 0"	2/A-505	SINK CABINET, TWO HINGED DOORS, 6" FALSE FRONT ABOVE DOORS
B18	1' - 3"	2' - 10 1/2"	2' - 0"	3/A-505	ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B19	1' - 9"	2' - 10 1/2"	2' - 0"	3/A-505	ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B20	1' - 6"	2' - 10 1/2"	2' - 0"	4/A-505	ONE 6" DRAWER, THREE EQUAL DRAWERS
B21	1' - 0"	2' - 10 1/2"	2' - 0"	3/A-505	ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B22	1' - 3"	2' - 10 1/2"	2' - 0"	3/A-505	ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B23	3' - 0"	2' - 10 1/2"	2' - 0"	2/A-505	SINK CABINET, TWO HINGED DOORS, 6" FALSE FRONT ABOVE DOORS
B24	1' - 0"	2' - 10 1/2"	2' - 0"	4/A-505	ONE 6" DRAWER, THREE EQUAL DRAWERS
B25	4' - 0"	2' - 10 1/2"	1' - 8"	8/A-506	GUEST BATH BASE CABINET WITH OPEN SHELVING
B26	1' - 3"	1' - 4 1/2"	2' - 0"	6/A-506	ONE HINGED DOOR
B27	3' - 0"	1' - 4 1/2"	2' - 0"	6/A-506	TWO HINGED DOORS
B28	3' - 4"	2' - 8 1/2"	1' - 6"	1/A-505	ADA ROLL UNDER SINK BASE, SEE DETAIL
B29	3' - 0"	2' - 10 1/2"	1' - 8"	8/A-506	GUEST BATH BASE CABINET WITH OPEN SHELVING
TALL CABINETS					
T1	3' - 0"	7' - 0"	2' - 0"	5/A-506	7'-0" TALL MICROWAVE CABINET, TWO HINGED DOORS
WALL CABINETS					
FS1		2"	1' - 0"	7/A-505	FLOATING SHELF
W1	1' - 3"	2' - 6"	1' - 0"	5/A-505	ONE HINGED DOOR, TWO ADJUSTABLE SHELVES
W2	1' - 9"	2' - 6"	1' - 0"	5/A-505	ONE HINGED DOOR, TWO ADJUSTABLE SHELVES
W3	2' - 6"	1' - 0"	1' - 0"	6/A-505	TWO HINGED DOORS
W4	3' - 0"	1' - 0"	1' - 0"	6/A-505	TWO HINGED DOORS

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☒	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☒	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

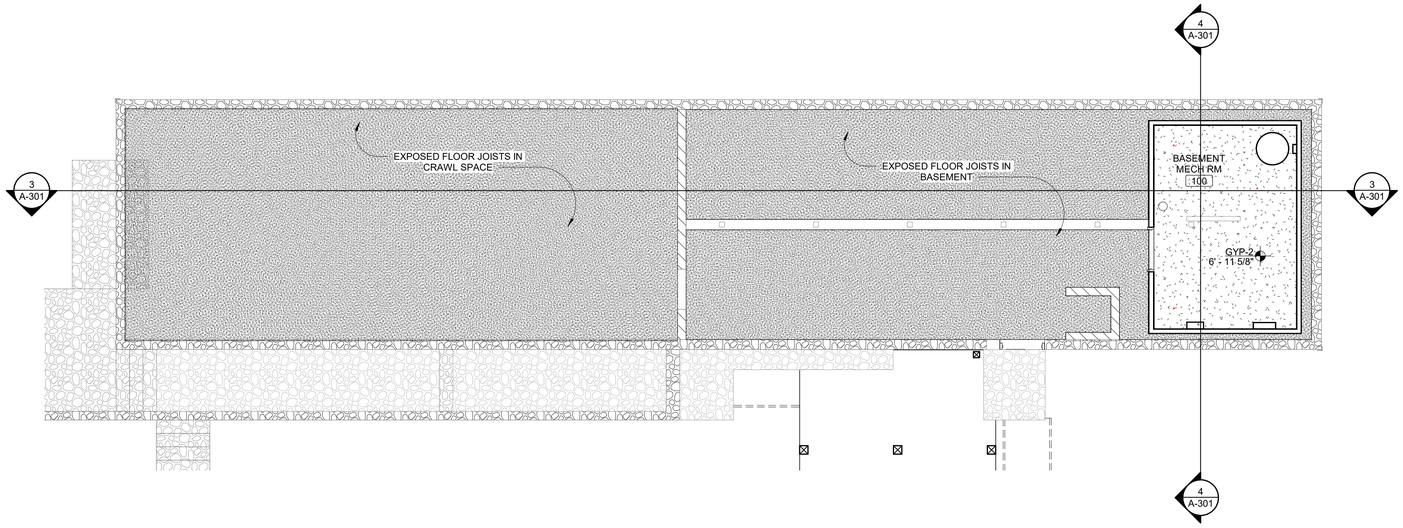
SHEET TITLE:

SCHEDULES

SHEET NUMBER:

A-604

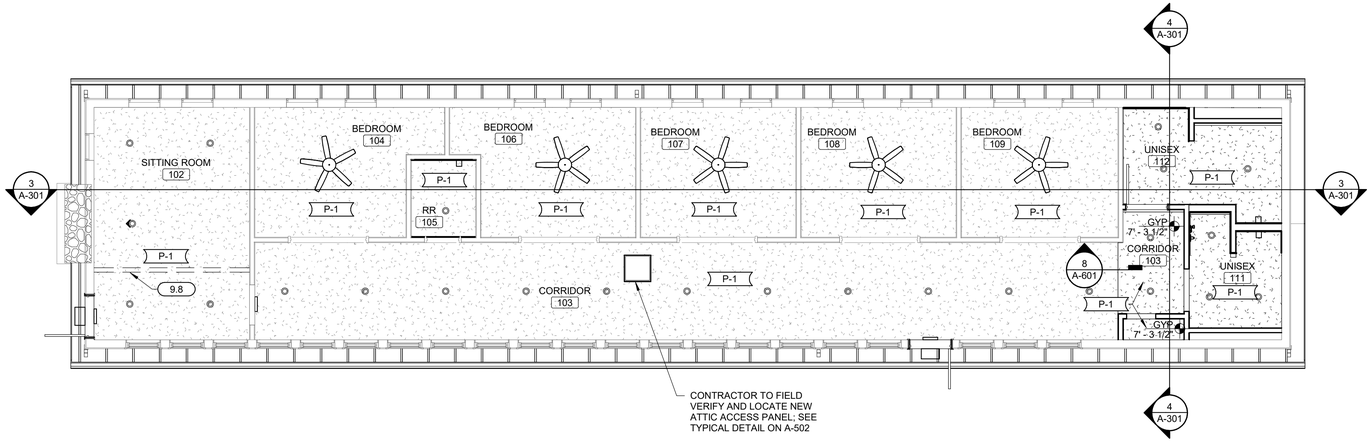
11/26/2025 3:51:34 PM



2 REFLECTED CEILING PLANS - BASEMENT LOWER DORM - ALTERNATE #1

SCALE: 3/16" = 1'-0"

0 2 4 8 PLAN NORTH



1 REFLECTED CEILING PLANS - FIRST FLOOR LOWER DORM - ALTERNATE #1

SCALE: 3/16" = 1'-0"

0 2 4 8 PLAN NORTH

11/26/2025 3:41:39 PM

REFLECTED CEILING PLAN GENERAL NOTES

A. CEILING MOUNTED LIGHT FIXTURES AND DIFFUSERS ARE SHOWN FOR COORDINATION PURPOSES. EXIT SIGNAGE, SPRINKLER HEADS, SMOKE DETECTORS AND OTHER DEVICES ARE NOT SHOWN. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED IN THE CEILING PANEL IN WHICH THEY OCCUR. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR DEVICES NOT SHOWN. CONTRACTOR TO REVIEW CEILING LAYOUT AND NOTIFY DESIGN PROFESSIONAL OF ANY CONFLICTS BEFORE PROCEEDING WITH CONSTRUCTION.

B. CONTROL JOINTS SHALL BE INSTALLED AT ALL CONSTRUCTION CHANGES WITHIN PLANE OF CEILING WHERE CEILING DIMENSIONS EXCEED 50'-0" IN EITHER DIRECTION WITH PERIMETER RELIEF AND 30'-0" WITHOUT, AT WINGS OF "L", "U" AND "T" SHAPED CEILING AREAS, AND AT BUILDING EXPANSION OR CONTROL JOINTS. REFER TO PUBLISHED CONTROL JOINT DETAILS

C. SEE INTERIOR FINISH DRAWINGS FOR ASSOCIATED FINISH TAGS AND PRODUCT INFORMATION.

D. PAINT ALL GYPSUM CEILINGS, SOFFITS AND BULKHEADS P-1, UNLESS OTHERWISE NOTED OR SHOWN.

E. USE MOISTURE RESISTANT GYPSUM WALL BOARD IN BATHROOMS, MECHANICAL ROOMS, AND KITCHENS. MAINTAIN FIRE RATING AS NOTED.

F. ATTACH GYP. CEILING ASSEMBLY TO BOTTOM OF TRUSS U.N.O.

REFLECTED CEILING PLAN LEGEND

- GYP 1: (1) LAYERS 5/8" TYPE "X" GYPSUM WALL BOARD CEILING, CAULKED FOR 1/2 HR RATING LEVEL 4 FINISH
- GYP 2: ONE LAYER 5/8" GYPSUM BOARD LEVEL 4 FINISH
- T+G WOOD CEILING ATTACHED TO ONE LAYER 5/8" GYPSUM WALL BOARD
- SPRAY FOAM APPLIED TO UNDERSIDE OF FLOORING / JOISTS

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
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A-2018007676
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AND CONSTRUCTION

DEPARTMENT OF NATURAL
RESOURCES DIVISION OF STATE
PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

REFLECTED CEILING PLANS - BASEMENT & FIRST FLOOR LOWER DORM - ALTERNATE #1

SHEET NUMBER:

A-701

REFLECTED CEILING PLAN GENERAL NOTES

A. CEILING MOUNTED LIGHT FIXTURES AND DIFFUSERS ARE SHOWN FOR COORDINATION PURPOSES. EXIT SIGNAGE, SPRINKLER HEADS, SMOKE DETECTORS AND OTHER DEVICES ARE NOT SHOWN. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED IN THE CEILING PANEL IN WHICH THEY OCCUR. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR DEVICES NOT SHOWN. CONTRACTOR TO REVIEW CEILING LAYOUT AND NOTIFY DESIGN PROFESSIONAL OF ANY CONFLICTS BEFORE PROCEEDING WITH CONSTRUCTION.

B. CONTROL JOINTS SHALL BE INSTALLED AT ALL CONSTRUCTION CHANGES WITHIN PLANE OF CEILING WHERE CEILING DIMENSIONS EXCEED 50'-0" IN EITHER DIRECTION WITH PERIMETER RELIEF AND 30'-0" WITHOUT, AT WINGS OF "L", "U" AND "T" SHAPED CEILING AREAS, AND AT BUILDING EXPANSION OR CONTROL JOINTS. REFER TO PUBLISHED CONTROL JOINT DETAILS

C. SEE INTERIOR FINISH DRAWINGS FOR ASSOCIATED FINISH TAGS AND PRODUCT INFORMATION.

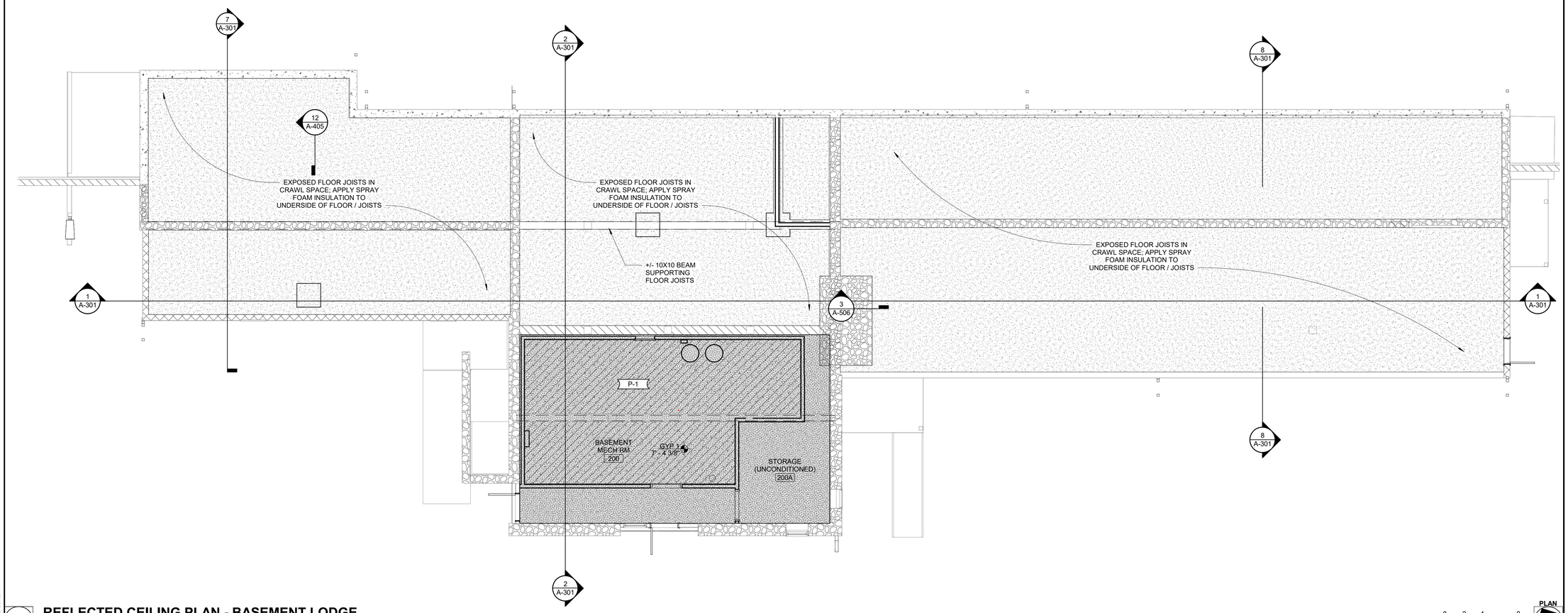
D. PAINT ALL GYPSUM CEILINGS, SOFFITS AND BULKHEADS P-1, UNLESS OTHERWISE NOTED OR SHOWN.

E. USE MOISTURE RESISTANT GYPSUM WALL BOARD IN BATHROOMS, MECHANICAL ROOMS, AND KITCHENS. MAINTAIN FIRE RATING AS NOTED.

F. ATTACH GYP. CEILING ASSEMBLY TO BOTTOM OF TRUSS U.N.O.

REFLECTED CEILING PLAN LEGEND

- GYP 1: (1) LAYERS 5/8" TYPE "X" GYPSUM WALL BOARD CEILING, CAULKED FOR 1/2 HR RATING LEVEL 4 FINISH
- GYP 2: ONE LAYER 5/8" GYPSUM BOARD LEVEL 4 FINISH
- T+G WOOD CEILING ATTACHED TO ONE LAYER 5/8" GYPSUM WALL BOARD
- SPRAY FOAM APPLIED TO UNDERSIDE OF FLOORING / JOISTS



1 **REFLECTED CEILING PLAN - BASEMENT LODGE**
SCALE: 3/16" = 1'-0"

0 2 4 8

PLAN NORTH

11/26/2025 3:41:38 PM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
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RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

REFLECTED CEILING PLANS - BASEMENT LODGE

SHEET NUMBER:

A-702

SHEET 150 of 219
ISSUE DATE 11/26/2025

REFLECTED CEILING PLAN GENERAL NOTES

A. CEILING MOUNTED LIGHT FIXTURES AND DIFFUSERS ARE SHOWN FOR COORDINATION PURPOSES. EXIT SIGNAGE, SPRINKLER HEADS, SMOKE DETECTORS AND OTHER DEVICES ARE NOT SHOWN. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED IN THE CEILING PANEL IN WHICH THEY OCCUR. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR DEVICES NOT SHOWN. CONTRACTOR TO REVIEW CEILING LAYOUT AND NOTIFY DESIGN PROFESSIONAL OF ANY CONFLICTS BEFORE PROCEEDING WITH CONSTRUCTION.

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C. SEE INTERIOR FINISH DRAWINGS FOR ASSOCIATED FINISH TAGS AND PRODUCT INFORMATION.

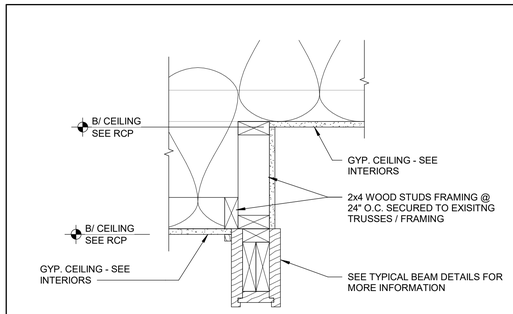
D. PAINT ALL GYPSUM CEILINGS, SOFFITS AND BULKHEADS P-1, UNLESS OTHERWISE NOTED OR SHOWN.

E. USE MOISTURE RESISTANT GYPSUM WALL BOARD IN BATHROOMS, MECHANICAL ROOMS, AND KITCHENS. MAINTAIN FIRE RATING AS NOTED.

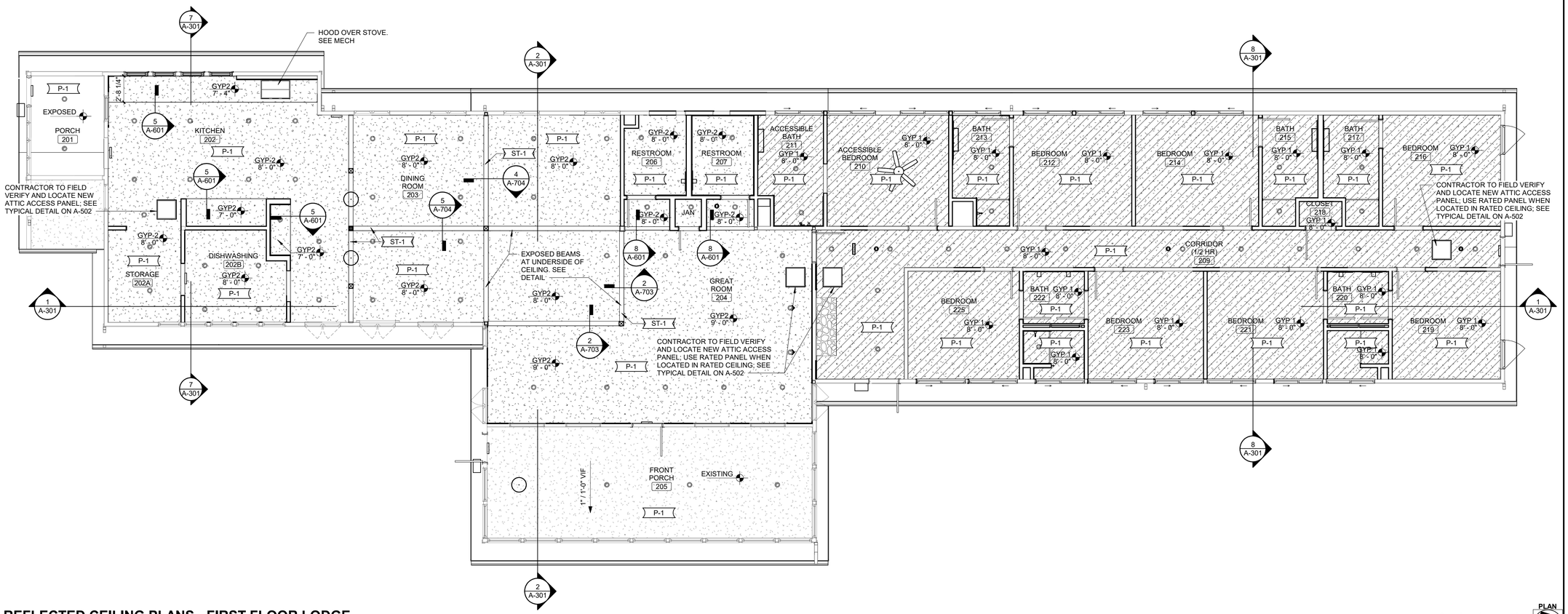
F. ATTACH GYP. CEILING ASSEMBLY TO BOTTOM OF TRUSS U.N.O.

REFLECTED CEILING PLAN LEGEND

- GYP 1: (1) LAYERS 5/8" TYPE "X" GYPSUM WALL BOARD CEILING, CAULKED FOR 1/2 HR RATING LEVEL 4 FINISH
- GYP 2: ONE LAYER 5/8" GYPSUM BOARD LEVEL 4 FINISH
- T+G WOOD CEILING ATTACHED TO ONE LAYER 5/8" GYPSUM WALL BOARD
- SPRAY FOAM APPLIED TO UNDERSIDE OF FLOORING / JOISTS



2 **LODGE KITCHEN SOFFIT DETAIL**
SCALE: 1 1/2" = 1'-0"



1 **REFLECTED CEILING PLANS - FIRST FLOOR LODGE**
SCALE: 3/16" = 1'-0"

0 2 4 8

PLAN NORTH

11/25/2025 3:51:43 PM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
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Date: 11/26/2025

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

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Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
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Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

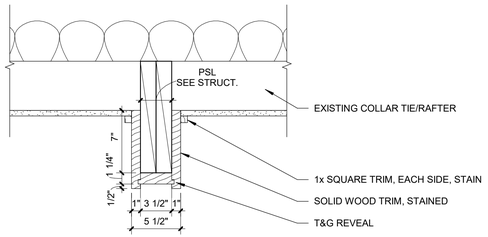
SHEET TITLE:

REFLECTED CEILING PLANS - FIRST FLOOR LODGE

SHEET NUMBER:

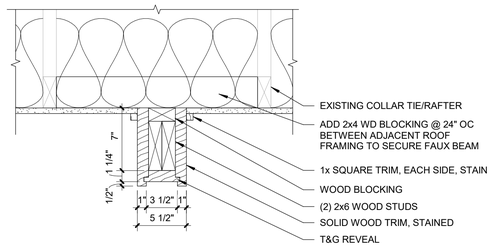
A-703

SHEET 151 of 219
ISSUE DATE 11/26/2025



5 TYPICAL LOAD-BEARING BEAM DETAIL

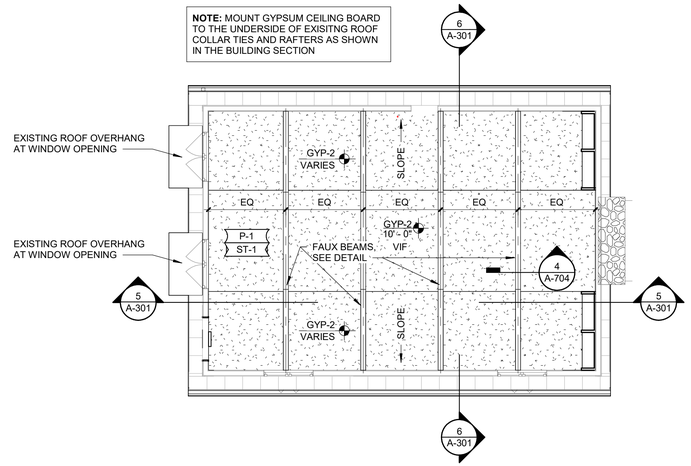
SCALE: 1 1/2" = 1'-0"



4 TYPICAL FAUX BEAM DETAIL

SCALE: 1 1/2" = 1'-0"

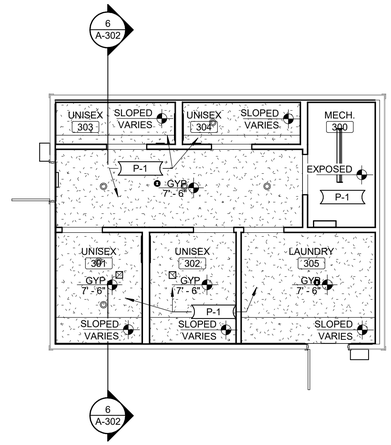
NOTE: MOUNT GYPSUM CEILING BOARD TO THE UNDERSIDE OF EXISITNG ROOF COLLAR TIES AND RAFTERS AS SHOWN IN THE BUILDING SECTION



2 REFLECTED CEILING PLANS - FIRST FLOOR GAME ROOM - ALTERNATE #3

SCALE: 3/16" = 1'-0"

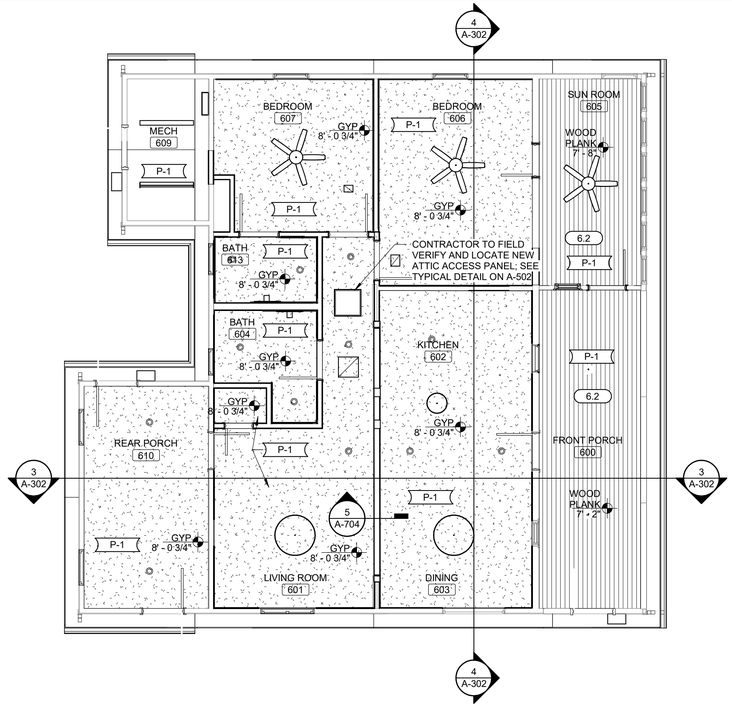
0 2 4 8 PLAN NORTH



3 REFLECTED CEILING PLANS - FIRST FLOOR RESTROOM

SCALE: 3/16" = 1'-0"

0 2 4 8 PLAN NORTH



1 REFLECTED CEILING PLANS - FIRST FLOOR FAMILY CABIN - ALTERNATE #2

SCALE: 3/16" = 1'-0"

0 2 4 8 PLAN NORTH

REFLECTED CEILING PLAN GENERAL NOTES

A. CEILING MOUNTED LIGHT FIXTURES AND DIFFUSERS ARE SHOWN FOR COORDINATION PURPOSES. EXIT SIGNAGE, SPRINKLER HEADS, SMOKE DETECTORS AND OTHER DEVICES ARE NOT SHOWN. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED IN THE CEILING PANEL IN WHICH THEY OCCUR. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR DEVICES NOT SHOWN. CONTRACTOR TO REVIEW CEILING LAYOUT AND NOTIFY DESIGN PROFESSIONAL OF ANY CONFLICTS BEFORE PROCEEDING WITH CONSTRUCTION.

B. CONTROL JOINTS SHALL BE INSTALLED AT ALL CONSTRUCTION CHANGES WITHIN PLANE OF CEILING WHERE CEILING DIMENSIONS EXCEED 50'-0" IN EITHER DIRECTION WITH PERIMETER RELIEF AND 30'-0" WITHOUT, AT WINGS OF "L", "U" AND "T" SHAPED CEILING AREAS, AND AT BUILDING EXPANSION OR CONTROL JOINTS. REFER TO PUBLISHED CONTROL JOINT DETAILS

C. SEE INTERIOR FINISH DRAWINGS FOR ASSOCIATED FINISH TAGS AND PRODUCT INFORMATION.

D. PAINT ALL GYPSUM CEILINGS, SOFFITS AND BULKHEADS P-1, UNLESS OTHERWISE NOTED OR SHOWN.

E. USE MOISTURE RESISTANT GYPSUM WALL BOARD IN BATHROOMS, MECHANICAL ROOMS, AND KITCHENS. MAINTAIN FIRE RATING AS NOTED.

F. ATTACH GYP. CEILING ASSEMBLY TO BOTTOM OF TRUSS U.N.O.

REFLECTED CEILING PLAN LEGEND

- GYP 1: (1) LAYERS 5/8" TYPE "X" GYPSUM WALL BOARD CEILING, CAULKED FOR 1/2 HR RATING LEVEL 4 FINISH
- GYP 2: ONE LAYER 5/8" GYPSUM BOARD LEVEL 4 FINISH
- T+G WOOD CEILING ATTACHED TO ONE LAYER 5/8" GYPSUM WALL BOARD
- SPRAY FOAM APPLIED TO UNDERSIDE OF FLOORING / JOISTS

KEYNOTES (BY DIVISION) x.x

DIVISION 06	
6.2	FURNISH AND INSTALL BEADBOARD TO MATCH EXISTING STYLE AND FINISH. SEE INTERIORS.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
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RR Building	7815232014	☒	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ / KMC / DWB
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

REFLECTED CEILING PLANS - FIRST FLOOR RESTROOM, GAME ROOM, & FAMILY CABIN

SHEET NUMBER:

A-704

SHEET 152 of 219
ISSUE DATE 11/26/2025

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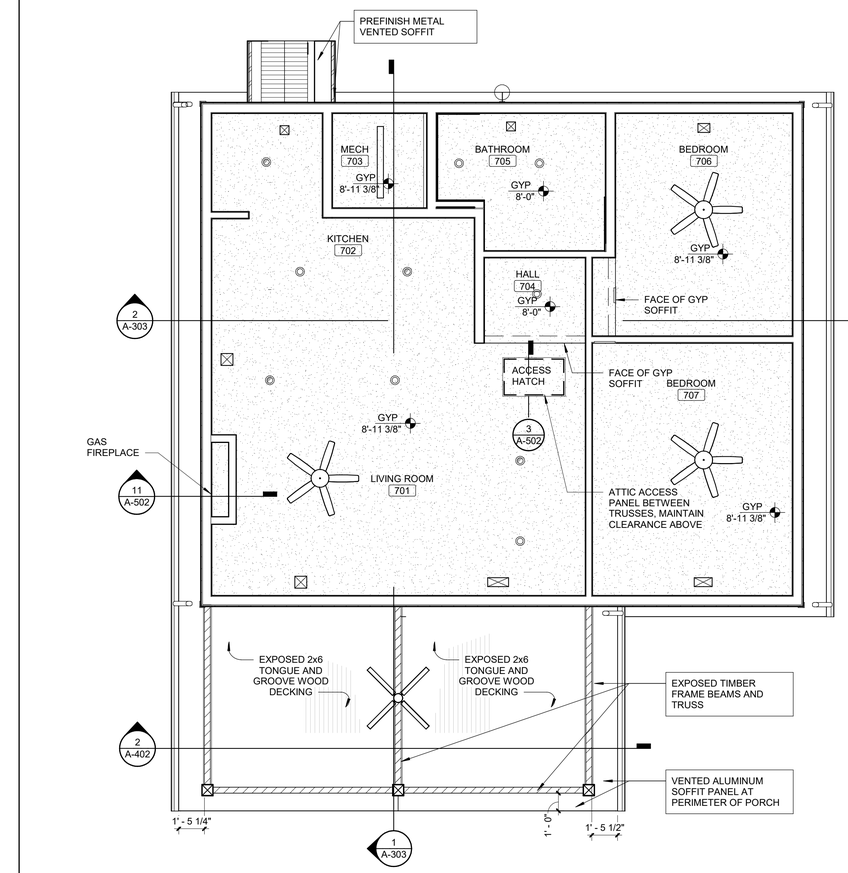

1 REFLECTED CEILING PLAN - FIRST FLOOR TWO BEDROOM CABIN

SCALE: 1/4" = 1'-0"

0 2 4 8

PLAN NORTH

GENERAL CEILING NOTES

A. CEILING MOUNTED LIGHT FIXTURES AND DIFFUSERS ARE SHOWN FOR COORDINATION PURPOSES. EXIT SIGNAGE, SPRINKLER HEADS, SMOKE DETECTORS AND OTHER DEVICES ARE NOT SHOWN. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED IN THE CEILING PANEL IN WHICH THEY OCCUR. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR DEVICES NOT SHOWN. CONTRACTOR TO REVIEW CEILING LAYOUT AND NOTIFY DESIGN PROFESSIONAL OF ANY CONFLICTS BEFORE PROCEEDING WITH CONSTRUCTION.

B. CONTROL JOINTS SHALL BE INSTALLED AT ALL CONSTRUCTION CHANGES WITHIN PLANE OF CEILING WHERE CEILING DIMENSIONS EXCEED 50'-0" IN EITHER DIRECTION WITH PERIMETER RELIEF AND 30'-0' WITHOUT, AT WINGS OF "L", "U" AND "T" SHAPED CEILING AREAS, AND AT BUILDING EXPANSION OR CONTROL JOINTS. REFER TO PUBLISHED CONTROL JOINT DETAILS

C. SEE INTERIOR FINISH DRAWINGS FOR ASSOCIATED FINISH TAGS AND PRODUCT INFORMATION.

D. PAINT ALL GYPSUM CEILINGS, SOFFITS AND BULKHEADS P-1, UNLESS OTHERWISE NOTED OR SHOWN.

E. USE MOISTURE RESISTANT GYPSUM WALL BOARD IN BATHROOMS, MECHANICAL ROOMS, AND KITCHENS. MAINTAIN FIRE RATING AS NOTED.

F. ATTACH GYP. CEILING ASSEMBLY TO BOTTOM OF TRUSS U.N.O.

P-1 CEILING FINISH NOTES

1. PAINT GYPSUM CEILINGS P-2. SEE PRODUCT FINISH SCHEDULE ON I-001 FOR DETAILS.

REFLECTED CEILING LEGEND

- GYPSUM BOARD CEILING
- VENTED SOFFIT
- EXIT SIGN
- AIR SUPPLY
- RETURN AIR SUPPLY
- RETURN EXHUAST
- ROUND DUCT
- RECESSED CAN LIGHT
- SURFACED MOUNTED DECORATIVE LIGHT
- CEILING FAN
- STRIP LIGHT

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
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Date: 11/26/2025

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☒
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☒
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☒
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☒
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☒
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

DRAWN BY: JLJ
CHECKED BY: NRB
DESIGNED BY: NRB

SHEET TITLE:

REFLECTED CEILING PLANS - FIRST FLOOR TWO BEDROOM CABIN

SHEET NUMBER:

A-705

SHEET 153 of 219
ISSUE DATE 11/26/2025

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OVERALL PRODUCT FINISH SCHEDULE

TAG	MANUFACTURER	PRODUCT LINE	SIZE	COLOR	FINISH	GROUT		SUPPLIER / INSTALLER	NOTES
						TYPE	COLOR		
CASEWORK HORIZONTAL									
PL-1	BASIS OF DESIGN: WILSONART	PATTERNED PLASTIC LAMINATE	-	CASUAL LINEN 4944-38	FINE VELVET	-	-	CFCI	-
SS-1	BASIS OF DESIGN: CORIAN	SOLID SURFACE	1/2" THICK	SMOKE DRIFT PRIMA	SATIN	-	-	CFCI	-
SS-2	BASIS OF DESIGN: GEMSTONE	SOLID SURFACE INTEGRAL BOWL 1812-UVO	18"W X 12-3/4"D	POLAR WHITE	-	-	-	CFCI	-
SS-3	BASIS OF DESIGN: GEMSTONE	SOLID SURFACE INTEGRAL BOWL 1014-V	14 1/4"W X 10"D	POLAR WHITE	-	-	-	CFCI	-
CASEWORK VERTICAL									
P-1	-	PAINTED FLOATING SHELF, SEE ELEVATIONS AND DETAILS	-	SW 7551 GREEK VILLA	SEMI-GLOSS	-	-	CFCI	PAINTED CASEWORK
P-3	-	PAINTED WOOD VENEER CABINETRY, FACE FRAME, REVEAL OVERLAY	-	SHERWIN WILLIAMS 6222 RIVERWAY	SEMI-GLOSS	-	-	CFCI	PAINTED CASEWORK
WD-1	-	STAINED WOOD VENEER CABINETRY, FACE FRAME, REVEAL OVERLAY, AND FLOATING WOOD SHELVES,	-	CUSTOM, STAINED TO MATCH MASONITE ASPIRO, COLOR: ESPRESSO	SATIN	-	-	CFCI	STAINED CASEWORK
CEILING									
P-1	BASIS OF DESIGN: SHERWIN WILLIAMS	SEE SPECIFICATIONS	-	SW 7551 GREEK VILLA	SEE SPECIFICATIONS	-	-	CFCI	PAINTED CEILINGS
DOOR / WINDOW / FRAMES									
D-1	BASIS OF DESIGN: MASONITE ARCHITECTURAL	ASPIRO AUTHENTIC STILE & RAIL VENEER DOORS	SEE DOOR SCHEDULE	ESPRESSO	SATIN	-	-	CFCI	-
P-1	BASIS OF DESIGN: SHERWIN WILLIAMS	SEE SPECIFICATIONS	-	SW 7551 GREEK VILLA	SEMI-GLOSS	-	-	CFCI	PAINTED WOOD TRIM, FRAMES, DOORS
P-7	BASIS OF DESIGN: SHERWIN WILLIAMS	SEE SPECIFICATIONS	-	MATCH EXISTING EXTERIOR WOOD SIDING	SEMI-GLOSS	-	-	CFCI	EXTERIOR PAINTED WOOD SIDING
SS-1	BASIS OF DESIGN: CORIAN	SOLID SURFACE	1/2" THICK	SMOKE DRIFT PRIMA	SATIN	-	-	CFCI	WINDOW SILLS
ST-1	BASIS OF DESIGN: SHERWIN WILLIAMS	SEE SPECIFICATIONS	-	CUSTOM, STAINED TO MATCH MASONITE ASPIRO, COLOR: ESPRESSO	SATIN	-	-	CFCI	STAINED WOOD TRIM, FRAMES, DOORS, FAUX BEAMS
FLOOR									
CON-1	BASIS OF DESIGN: SHERWIN WILLIAMS	H & C CLARISHIELD WATER-BASED WET LOOK SEALER	-	CLEAR	GLOSS	-	-	CFCI	CONCRETE FLOORS; WHERE EXISTING PATCH, REPAIR AND REFINISH
CPT-1	BASIS OF DESIGN: PATCRAFT	RUNNING STITCH I0635	18" X 36"	SHEER 00120	-	-	-	CFCI	INSTALL METHOD: ASHLAR
CPT-2	BASIS OF DESIGN: J+J FLOORING GROUP	ELEMENTAL 7683	24" X 24"	HUTCH 2634	-	-	-	CFCI	INSTALL METHOD: ASHLAR
HVT-1	BASIS OF DESIGN: PATCRAFT	ADMIX	18" X 36"	FAWN 00147	-	-	-	CFCI	INSTALL METHOD: MONOLITHIC
LVT-1	BASIS OF DESIGN: MOHAWK GROUP	LINEATE C0089 HOT AND HEAVY	9" X 59", 5MM	857 MARKER	-	-	-	CFCI	INSTALL METHOD: ASHLAR
P-9	BASIS OF DESIGN: BONA	SUPERSPORT WATERBASED GAME LINE PAINT	-	BLACK	SATIN	-	-	CFCI	BASKETBALL COURT LINES
P-10	BASIS OF DESIGN: BONA	SUPERSPORT WATERBASED GAME LINE PAINT	-	WHITE	SATIN	-	-	CFCI	VOLLEYBALL COURT LINES
P-11	BASIS OF DESIGN: SHERWIN WILLIAMS	PORCH AND FLOOR ENAMEL INTERIOR-EXTERIOR ACRYLIC	-	SW 7060 ATTITUDE GRAY	SATIN	-	-	CFCI	EXTERIOR OR MECHANICAL PAINTED FLOOR
ST-1	BASIS OF DESIGN: BONA	OIL MODIFIED DRI-FAST STAIN ON NEW AND EXISTING STAINED FLOORS	TO MATCH EXISTING ADJACENT SIZE AND PROFILE	CUSTOM, STAINED TO MATCH MASONITE ASPIRO, COLOR: ESPRESSO	SATIN	-	-	CFCI	EXISTING FLOOR TO REMAIN OR SALVAGED AND REINSTALLED FROM PROJECT - SAND, STAIN AND FINISH
ST-2	BASIS OF DESIGN: BONA	OIL MODIFIED DRI-FAST STAIN, ON NEW AND EXISTING STAINED FLOORS	TO MATCH EXISTING ADJACENT SIZE AND PROFILE	AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE	SATIN	-	-	CFCI	STAINED WOOD GYM FLOOR
SV-1	BASIS OF DESIGN: ALTRO FLOORS	SYMPHONIA	6'-7" ROLLED GOODS	DAYLILY SYI20039	-	-	-	CFCI	HEAT WELDED SEAMS
T-4	BASIS OF DESIGN: DAL TILE	KEYSTONES COLORBODY PORCELAIN HEXAGON MOSAIC	2"	URBAN PUTTY - D161	MATTE	BASIS OF DESIGN: MAPEI KERAPOXY CQ	DRIFTWOOD 5105	CFCI	-
T-5	BASIS OF DESIGN: DAL TILE	KEYSTONES COLORBODY PORCELAIN HEXAGON MOSAIC	2"	HEXAGON DK16 ARCTIC WHITE D617 AND BLACK D311	MATTE	BASIS OF DESIGN: MAPEI KERAPOXY CQ	BLACK 5010	CFCI	-
T-6	BASIS OF DESIGN: VIRGINIA TILE	MILESTONE, PIER	6"X36"	SANTA MONICA	-	BASIS OF DESIGN: MAPEI KERAPOXY CQ	COCOA 5079	CFCI	-
T-11	BASIS OF DESIGN: LANDMARK CERAMICS	ATTITUDE HEXAGON	8"	WARM SAND	MATTE	BASIS OF DESIGN: MAPEI KERAPOXY CQ	DRIFTWOOD 5105	CFCI	-
MISCELLANEOUS									
SH-1	BASIS OF DESIGN: SCHLUTER SYSTEMS	SHELF-E, WAVE #SES2 D10 EB	7-11/16" X 7-11/16" X 5/32" THICK	-	BRUSHED STAINLESS STEEL	-	-	CFCI	-
SIGNAGE / ARTWORK									
S-1	BASIS OF DESIGN: LATITUDE SIGNAGE	EXTERIOR RATED METAL COMMERCIAL ALUMINUM PLAQUE	1/8" THICK X 7"H X 15"W	BACKGROUND: SATIN ALUMINUM; COPY AND RAISED BORDER: ONYX MX17	BRUSHED	-	-	CFCI	MECHANICALLY FASTENED; COPY TO BE SUPPLIED BY OWNER
S-2	BASIS OF DESIGN: LATITUDE SIGNAGE	EXTERIOR CUT VINYL LETTERS	2"H	BONE SC-922	OPAQUE, MATTE	-	-	CFCI	PEEL AND STICK ADHESIVE
S-3	BASIS OF DESIGN: LATITUDE SIGNAGE	SINGLE LAYER PHOTOPOLYMER SIGN WITH SUBSURFACE SILKSCREEN GRAPHIC AND COPY	1/8" THICK X 8"H X 5-3/4"W	BACKGROUND: TOMATO RED SC-203; COPY/GRAPHIC: WHITE SC-901	OPAQUE, MATTE	-	-	CFCI	MOUNTING: DOUBLE SIDED ADHESIVE TAPE
S-4	BASIS OF DESIGN: LATITUDE SIGNAGE	EXTERIOR RATED METAL COMMERCIAL ALUMINUM PLAQUE WITH SLIDER FOR OCCUPANCY	1/4" THICK X 3"H X 10"W	BACKGROUND: SATIN ALUMINUM; KELLY GREEN MX79 AND TOMATO RED SC-203; COPY COLOR: BONE SC SC-922	BRUSHED	-	-	CFCI	MECHANICALLY FASTENED; COPY TO BE SUPPLIED BY OWNER
S-5	BASIS OF DESIGN: LATITUDE SIGNAGE	EXTERIOR RATED METAL COMMERCIAL ALUMINUM PLAQUE	1/8" THICK X 3"H X 10"W	BACKGROUND: SATIN ALUMINUM; COPY AND RAISED BORDER: ONYX MX17	BRUSHED	-	-	CFCI	MECHANICALLY FASTENED; COPY TO BE SUPPLIED BY OWNER
S-6	BASIS OF DESIGN: LATITUDE SIGNAGE	ADA COMPLIANT, 2-LAYER PHOTOPOLYMER SIGN WITH INTEGRAL RAISED COPY AND BRAILLE AND SUBSURFACE SILKSCREEN GRAPHIC	1/4" THICK X 3-1/4"H X 7-1/2"W	BACKGROUND: METALLIC PAINT ANTIQUE BRONZE; COPY: IVORY	OPAQUE, MATTE	-	-	CFCI	MOUNTING: DOUBLE SIDED ADHESIVE TAPE
S-7	BASIS OF DESIGN: LATITUDE SIGNAGE	ADA COMPLIANT, 2-LAYER PHOTOPOLYMER SIGN WITH INTEGRAL RAISED COPY, UNIVERSAL GRAPHIC SYMBOL AND BRAILLE AND SUBSURFACE SILKSCREEN GRAPHIC	1/4" THICK X 9-1/4"H X 6-1/4"W	BACKGROUND: METALLIC PAINT ANTIQUE BRONZE; COPY: IVORY	OPAQUE, MATTE	-	-	CFCI	MOUNTING: DOUBLE SIDED ADHESIVE TAPE
S-8	BASIS OF DESIGN: LATITUDE SIGNAGE	ADA COMPLIANT, 2-LAYER PHOTOPOLYMER SIGN WITH INTEGRAL RAISED COPY, UNIVERSAL GRAPHIC SYMBOL AND BRAILLE AND SUBSURFACE SILKSCREEN GRAPHIC	1/4" THICK X 3-1/4"H X 6-1/4"W	BACKGROUND: METALLIC PAINT ANTIQUE BRONZE; COPY: IVORY	OPAQUE, MATTE	-	-	CFCI	MOUNTING: DOUBLE SIDED ADHESIVE TAPE
WALL									
CS-1	BASIS OF DESIGN: EARTHWORKS	WEATHERED FIELD STONE BLEND, THIN VENEER	THIN VENEER, VARIES; 3/4" - 1-3/4" THICK	SPLIT TAN/GRAY, BLENDED; SEE SPECIFICATIONS	CLEFT FACE	-	-	CFCI	-
FRP-1	BASIS OF DESIGN: MARLITE	STANDARD FRP	.090" THICK	CLASS A, P100 WHITE	PEBBLED	-	-	CFCI	-
P-1	BASIS OF DESIGN: SHERWIN WILLIAMS	SEE SPECIFICATIONS	-	SW 7551 GREEK VILLA	SEE SPECIFICATIONS	-	-	CFCI	PAINTED PORCH WALLS
P-2	BASIS OF DESIGN: SHERWIN WILLIAMS	SEE SPECIFICATIONS	-	SW 7547 SANDBAR	SEE SPECIFICATIONS	-	-	CFCI	-
P-3	BASIS OF DESIGN: SHERWIN WILLIAMS	SEE SPECIFICATIONS	-	6222 RIVERWAY	SEE SPECIFICATIONS	-	-	CFCI	-
P-4	BASIS OF DESIGN: SHERWIN WILLIAMS	SEE SPECIFICATIONS	-	6212 QUIETUDE	SEE SPECIFICATIONS	-	-	CFCI	-
P-5	BASIS OF DESIGN: SHERWIN WILLIAMS	SEE SPECIFICATIONS	-	6429 BAIZE GREEN	SEE SPECIFICATIONS	-	-	CFCI	-
P-6	BASIS OF DESIGN: SHERWIN WILLIAMS	PROCLASSIC WATERBORNE INTERIOR ACRYLIC ENAMEL	-	SW 6258 INKWELL	SATIN	-	-	CFCI	-
T-1	BASIS OF DESIGN: DAL TILE	COLOR WHEEL CLASSIC SUBWAY TILE	3" X 6"	ARCTIC WHITE 0190	GLOSSY	BASIS OF DESIGN: MAPEI FLEXCOLOR CQ	BLACK 5010	CFCI	-
T-2	BASIS OF DESIGN: DAL TILE	COLORMATCH LINERS, PAYETTE - PART #498716	1/2"X6"	ARCTIC WHITE 0190	GLOSSY	BASIS OF DESIGN: MAPEI FLEXCOLOR CQ	BLACK 5010	CFCI	-
T-7	BASIS OF DESIGN: DAL TILE	REMEDY GLAZED PORCELAIN	2-3/8 " X 9-1/2 "	ELIXIR RD20	GLOSSY	BASIS OF DESIGN: MAPEI FLEXCOLOR CQ	MOONBEAM 5221	CFCI	-
T-8	BASIS OF DESIGN: DAL TILE	COLOR WHEEL LINEAR	4" X 12"	0790 ARCTIC WHITE	MATTE	BASIS OF DESIGN: MAPEI FLEXCOLOR CQ	TBD	CFCI	-
T-12	BASIS OF DESIGN: ATLAS CONCORDE USA	BOHO	12" X 24"	BONE	MATTE	BASIS OF DESIGN: MAPEI FLEXCOLOR CQ	BAHAMA BEIGE 5004	CFCI	-
WD-1	-	EXISTING TO REMAIN OR SALVAGED FROM PROJECT - SAND, STAIN AND FINISH	TO MATCH EXISTING ADJACENT SIZE AND PROFILE	CUSTOM, STAINED TO MATCH MASONITE ASPIRO, COLOR: ESPRESSO	SATIN	-	-	CFCI	-
WP-1	BASIS OF DESIGN: ALTRO	TEGULIS INTERLOCKING WALL PANEL, SUBWAY	3" X 6" TILE SIZE	CREAM/LINEN	SATIN	-	-	CFCI	HORIZONTAL CONFIGURATION
WALL BASE									

PROJECT GENERAL FINISH NOTES

A. DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.

B. DO NOT SCALE DRAWINGS. IF DIMENSIONAL INFORMATION IS REQUIRED AND NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.

C. U.N.O. ALL DIMENSIONS ARE TO FACE OF FINISHED WALLS OR SURFACES.

D. ALL CONTRACTORS TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO WORK.

E. BASIS-OF-DESIGN PRODUCT: WHERE SPECIFICATIONS OR DRAWINGS NAME A PRODUCT AND MANUFACTURER, PROVIDE THE SPECIFIED PRODUCT / MANUFACTURER OR SUBMIT AN ALTERNATE REQUEST AS OUTLINED IN PROJECT SPECIFICATIONS. ALTERNATE PRODUCTS TO RESEMBLE BASIS-OF-DESIGN PRODUCT IN APPEARANCE, SIZE, PROFILE, DIMENSIONS, COLOR AND OTHER CHARACTERISTICS.

F. REFER TO INTERIORS GENERAL INFORMATION SHEET I-001 FOR FINISH SYMBOLS AND ABBREVIATIONS.

G. REFER TO GENERAL INFORMATION SHEET G-001 FOR STANDARD MOUNTING HEIGHTS.

H. NOTES COLUMN ON PRODUCT FINISH SCHEDULE INDICATES GENERAL COMMENTS ONLY. SEE INTERIOR FINISH PLANS AND SPECIFICATIONS FOR LOCATIONS AND DETAILS.

I. REFER TO FINISH PLANS, FINISH RCP, FINISH SCHEDULE AND DETAILS FOR FINISH INFORMATION AND LOCATION. REFER TO INTERIOR FINISH & ARCHITECTURAL ELEVATIONS FOR ADDITIONAL FINISH INFORMATION OR WHERE MULTIPLE FINISHES ARE INDICATED ON PLAN FOR THE SAME LOCATION.

J. EXISTING CONDITION INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. ALL EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE ONLY AND HAS NOT BEEN FIELD VERIFIED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY NEW WORK AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE DESIGN PROFESSIONAL PRIOR TO DEMOLITION AND CONSTRUCTION.

K. ALL FINISHES OF SAME TYPE SHALL BE ORDERED IN TIMELY MANNER SO AS TO ADHERE TO PROJECT SCHEDULE. ALL FINISHES OF SAME TYPE SHALL BE ORDERED FROM ONLY ONE (1) DYE LOT. A SAMPLE FROM THE SAME DYE LOT TO BE SUBMITTED TO ARCHITECT FOR APPROVAL. WHERE MORE THAN ONE DYE LOT IS REQUIRED, NOTIFY ARCHITECT IMMEDIATELY AND SUBMIT SECOND VERIFICATION SAMPLE FROM OTHER DYE LOT FOR APPROVAL.

L. U.N.O. PAINT ALL STEEL DOORS, DOOR FRAMES, INTERIOR BORROW LITE FRAMES, LINTELS AND OTHER EXPOSED METAL ITEMS.

M. U.N.O. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF WHEN IN CLOSED POSITION.

N. CONTRACTORS TO COORDINATE PRICING AND ORDER OF MATERIALS WITH MANUFACTURER'S REPRESENTATIVE LISTED IN THE PRODUCT MANUFACTURERS CONTACT LIST ON SHEET I0.1.

O. U.N.O. ALIGN TILE GROUT JOINTS WITH WALL / WALL BASE AND FLOOR TILES AT ALL 90° CONDITIONS.

P. U.N.O. ALL WALL/CEILING MECHANICAL DIFFUSER/AIR GRILLES AND ELECTRICAL PANELS TO BE PAINTED TO MATCH ADJACENT WALL FINISH. SEE MECHANICAL & ELECTRICAL DRAWINGS.

Q. U.N.O. ALL WOOD SHALL BE OF SAME SPECIES AND SAME CUT OF WOOD.

FINISH PRODUCT REPRESENTATIVE CONTACT LIST

BRAND	ACCOUNT REPRESENTATIVE NAME	PHONE NUMBER	EMAIL
ALTRO	KELLY CONNOLLY	312-442-2982	KCONNOLLY@ALTRO.COM
ATLAS CONCORDE USA	DARLENE COZZI	847-561-9582	DARLENE.COZZI@VIRGINIATILE.COM
DAL TILE	TABATHA CURRY	314-687-3960	TABATHA.CURRY@DALTILE.COM
FORMICA	MARY COTEY	224-422-4523	MARYCOTEY@METROHARDWOODS.COM
J&J FLOORING GROUP	HEIDI FENOGLIA	309-264-4879	HEIDI.FENOGLIA@JJFLOORINGGROUP.COM
LANDMARK CERAMICS	LUKE KOWNICK	847-602-3506	LUKE@PHOENIX-TILE.COM
LATITUDE SIGNAGE	TOM WILCOXEN	815-673-4353	TOM.WILCOXEN@ASIMODULEX.COM
MAPEI	ANIA JABLONSKA	847-626-8788	AJABLONSKA@MAPEI.COM
MOHAWK GROUP	KENT ODEFEY	563-650-6548	KENT_ODEFEY@MOHAWKIND.COM
NUDO	MARLA GOMES	818-530-8008	MARLA.GOMES@NUDO.COM
PATCRAFT	CAMILO SHARP	314-449-3750	CAMILO.SHARP@PATCRAFT.COM
SHERWIN WILLIAMS	HANK MEINKING	314-281-7485	HANK.MEINKING@SHERWIN.COM
TARKETT	BRIAN AYRES	314-324-0086	BRIAN.AYRES@TARKETT.COM
WILSONART	PATTY EGAN	314-809-5114	PEGAN@COMPIDISTRIBUTORS.COM

SYMBOLS LEGEND

NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS

- X-# — CEILING FINISH
- X-# — WALL FINISH
- X-# — ACCENT WALL FINISH
- X-# — WALL BASE FINISH
- X-# — FLOOR FINISH
- X-# — CASEWORK COUNTER/TRANSITION TOP FINISH
- X-# — CASEWORK BASE AND UPPER CABINET FINISH
- X-# — DOOR, WINDOW & FRAME FINISH
- X-# — MISCELLANEOUS FINISH
- X-# — SIGNAGE / ARTWORK FINISH
- X-# — WINDOW TREATMENT FINISH
- CORNER GUARD
- DRAPERY / CUBICLE CURTAIN
- ROLLER SHADE
- VALANCE / CORNICE
- # — FINISH KEYNOTE
- XXX-# / XXX-# — FINISH MATERIAL TRANSITION
- ALIGN — ALIGN FINISH WITH ADJACENT ITEM
- FINISH PATTERN/LINEAR DIRECTION
- ROOM NAME 101 — ROOM DESIGNATION
- BREAK LINE
- 1 — REVISION NOTE

ABBREVIATIONS

AB	ALUMINUM WALL BASE	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
ACB	ACOUSTICAL CEILING BAFFLE	OFOI	OWNER FURNISHED, INSTALLED BY OTHERS
ACC	ACOUSTICAL CEILING CLOUD	P	PAINT
ACT	ACOUSTICAL CEILING TILE	PC	PRIME COAT
ADJ	ADJACENT	PFIN	PREFINISHED
AF	ARCHITECTURAL FILM	PL	PLASTIC LAMINATE
AFF	ABOVE FINISHED FLOOR	PLY	PLYWOOD
AL	ALUMINUM	QTZ	QUARTZ
AP	ACOUSTIC PANEL	RB	RESILIENT WALL BASE
ART	ARTWORK	RF	RESINOUS POURED FLOORING
BBT	BIOBASED RESILIENT TILE	RP	RESIN / ACRYLIC PANEL
BR	BRICK / VENEER BRICK	RS	ROLLER SHADE
CC	CUBICLE CURTAIN	RUB	RUBBER SHEET / TILE
CCT	CUBICLE CURTAIN TRACK	RUG	RUG CARPETING
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.	RV	DRYWALL/MILLWORK REVEAL
CFOI	CONTRACTOR FURNISHED, INSTALLED BY OTHERS.	S	SIGNAGE
CG	CORNER GUARD	SC	SHOWER CURTAIN
CJ	CONTROL JOINT	SCR	SHOWER CURTAIN ROD
CKB	CORKBOARD	SD	STATIC DISSIPATIVE FLOORING
CMU	CONCRETE MASONRY UNIT	SF	SQUARE FEET (FOOT)
CON	CONCRETE FLOORING / FINISH	SHT	SHUTTER
CPT	CARPET	SS	SOLID SURFACE
CR	CRASH RAIL	SST	STAINLESS STEEL
CS	CULTURED STONE	SSV	SPECIALTY SHEET VINYL
CUR	DECORATIVE CURTAIN / ROD	ST	STAIN
DG	DOOR FRAME GUARD	SV	SHEET VINYL
EG	END WALL GUARD	SVT	SPECIALTY VINYL TILE
EM	ENTRY MAT SYSTEM	SY	SQUARE YARD(S)
EWD	ENGINEERED WOOD PLANK	T	TILE FLOORING / WALL / WALL BASE (CERAMIC, PORCELAIN, GLASS)
EX	EXISTING		
EXJ	EXPANSION JOINT		
EXP	EXPOSED	TP	TOILET PARTITION
F	FABRIC	TR	TRIM / CROWN / BASE MOLDING
FRP	FIBERGLASS REINFORCED PANEL(S)	TS	TRANSITION STRIP
		TYP	TYPICAL
G	GLASS / GLAZING	TZ	TERRAZZO FLOORING
GR	GROUT	UFIN	UNFINISHED
GYP	GYPSUM WALL BOARD	UNO	UNLESS NOTED OTHERWISE
HR	HAND RAIL	VAL	VALANCE
HVT	HOMOGENEOUS VINYL TILE	VCT	VINYL COMPOSITION TILE
LF	LINEAR FEET (FOOT)	VET	VINYL ENHANCED TILE
LIN	LINOLEUM SHEET / TILE	VIF	VERIFY IN FIELD
LS	LOUVER SYSTEM	WC	WALL COVERING
LVT	LUXURY VINYL TILE	WCT	WOOD CEILING TILE / PLANK
MB	MOLDED WALL BASE	WD	WOOD (VENEER, PANELING, WAINSCOT, FLOORING)
MTL	METAL		
MISC	MISCELLANEOUS	WF	WINDOW FILM
MP	METAL PANEL	WP	WALL PROTECTION
NA	NOT APPLICABLE	WR	WHITEROCK
NS	NATURAL STONE	WT	WINDOW TREATMENT

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	X	(2B)Cabin C	7815232004	X
Lower Dorm	7815232010	X	(2B)Cabin D	7815232005	X
Gymnasium	7815232011	X	(2B)Cabin E	7815232006	X
Game Room	7815232012	X	(2B)Cabin F	7815232007	X
Family Cabin	7815232013	X	(2B)Cabin G	7815232008	X
RR Building	7815232014	X	(2B)Cabin H	7815232009	X

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SHEET 154 of 219
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OVERALL PRODUCT FINISH SCHEDULE

TAG	MANUFACTURER	PRODUCT LINE	SIZE	COLOR	FINISH	GROUT		SUPPLIER / INSTALLER	NOTES
						TYPE	COLOR		
P-1	-	MATCH EXISTING ADJACENT BASE TRIM, SHOE MOLD, AND PROFILE.	DECORATIVE WOOD BASE; PAINT EXISTING OR INSTALL NEW TO MATCH EXISTING PROFILE, THICKNESS AND HEIGHT	SW 7551 GREEK VILLA	SEMI-GLOSS	-	-	CFCI	PAINTED BASEBOARD
RB-1	BASIS OF DESIGN: TARKETT	BASEWORKS RUBBER WALL BASE WITH COVE	4"H X 1/8" THICK	71 STORM CLOUD	-	-	-	CFCI	-
SV-1	BASIS OF DESIGN: ALTRO FLOORS	SYMPHONIA	6'-7" ROLLED GOODS, 6"H INTEGRAL BASE	DAYLILY SYI20039	-	-	-	CFCI	HEAT WELDED SEAMS
T-3	BASIS OF DESIGN: DAL TILE	COLOR WHEEL CLASSIC COVE BASE, A-3361MOD	3" X 6"	ARCTIC WHITE 0190	GLOSSY	BASIS OF DESIGN: MAPEI KERAPOXY CQ	BLACK 5010	CFCI	-
T-10	BASIS OF DESIGN: LANDMARK CERAMICS	ATTITUDE	6" X 12"	WARM SAND	MATTE	BASIS OF DESIGN: MAPEI KERAPOXY CQ	DRIFTWOOD 5105	CFCI	-
T-13	BASIS OF DESIGN: ATLAS CONCORDE USA	BOHO BULLNOSE BASE	3" X 12"	BONE	MATTE	BASIS OF DESIGN: MAPEI KERAPOXY CQ	BAHAMA BEIGE 5004	CFCI	-
WD-1	-	MATCH EXISTING ADJACENT BASE TRIM AND PROFILE.	DECORATIVE WOOD BASE; STAIN EXISTING OR INSTALL NEW TO MATCH EXISTING PROFILE, THICKNESS AND HEIGHT	CUSTOM, STAINED TO MATCH MASONITE ASPIRO, COLOR: ESPRESSO	SATIN	-	-	CFCI	STAINED BASEBOARD

PROJECT GENERAL FINISH NOTES

A. DRAWINGS & SPECIFICATIONS ARE COMPLEMENTARY COMPONENTS OF THE CONTRACT DOCUMENTS. REVIEW ALL DRAWINGS AND SPECIFICATIONS FOR THE COMPLETE SCOPE OF WORK. NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION IF INCONSISTENCIES, CONTRADICTIONS OR OMISSIONS ARE DISCOVERED.

B. DO NOT SCALE DRAWINGS. IF DIMENSIONAL INFORMATION IS REQUIRED AND NOT FOUND, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION.

C. U.N.O. ALL DIMENSIONS ARE TO FACE OF FINISHED WALLS OR SURFACES.

D. ALL CONTRACTORS TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO WORK.

E. BASIS-OF-DESIGN PRODUCT: WHERE SPECIFICATIONS OR DRAWINGS NAME A PRODUCT AND MANUFACTURER, PROVIDE THE SPECIFIED PRODUCT / MANUFACTURER OR SUBMIT AN ALTERNATE REQUEST AS OUTLINED IN PROJECT SPECIFICATIONS. ALTERNATE PRODUCTS TO RESEMBLE BASIS-OF-DESIGN PRODUCT IN APPEARANCE, SIZE, PROFILE, DIMENSIONS, COLOR AND OTHER CHARACTERISTICS.

F. REFER TO INTERIORS GENERAL INFORMATION SHEET I-001 FOR FINISH SYMBOLS AND ABBREVIATIONS.

G. REFER TO GENERAL INFORMATION SHEET G-001 FOR STANDARD MOUNTING HEIGHTS.

H. NOTES COLUMN ON PRODUCT FINISH SCHEDULE INDICATES GENERAL COMMENTS ONLY. SEE INTERIOR FINISH PLANS AND SPECIFICATIONS FOR LOCATIONS AND DETAILS.

I. REFER TO FINISH PLANS, FINISH RCP, FINISH SCHEDULE AND DETAILS FOR FINISH INFORMATION AND LOCATION. REFER TO INTERIOR FINISH & ARCHITECTURAL ELEVATIONS FOR ADDITIONAL FINISH INFORMATION OR WHERE MULTIPLE FINISHES ARE INDICATED ON PLAN FOR THE SAME LOCATION.

J. EXISTING CONDITION INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. ALL EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE ONLY AND HAS NOT BEEN FIELD VERIFIED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY NEW WORK AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE DESIGN PROFESSIONAL PRIOR TO DEMOLITION AND CONSTRUCTION.

K. ALL FINISHES OF SAME TYPE SHALL BE ORDERED IN TIMELY MANNER SO AS TO ADHERE TO PROJECT SCHEDULE. ALL FINISHES OF SAME TYPE SHALL BE ORDERED FROM ONLY ONE (1) DYE LOT. A SAMPLE FROM THE SAME DYE LOT TO BE SUBMITTED TO ARCHITECT FOR APPROVAL. WHERE MORE THAN ONE DYE LOT IS REQUIRED, NOTIFY ARCHITECT IMMEDIATELY AND SUBMIT SECOND VERIFICATION SAMPLE FROM OTHER DYE LOT FOR APPROVAL.

L. U.N.O. PAINT ALL STEEL DOORS, DOOR FRAMES, INTERIOR BORROW LITE FRAMES, LINTELS AND OTHER EXPOSED METAL ITEMS.

M. U.N.O. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF WHEN IN CLOSED POSITION.

N. CONTRACTORS TO COORDINATE PRICING AND ORDER OF MATERIALS WITH MANUFACTURER'S REPRESENTATIVE LISTED IN THE PRODUCT MANUFACTURERS CONTACT LIST ON SHEET I0.1.

O. U.N.O. ALIGN TILE GROUT JOINTS WITH WALL / WALL BASE AND FLOOR TILES AT ALL 90° CONDITIONS.

P. U.N.O. ALL WALL/CEILING MECHANICAL DIFFUSER/AIR GRILLES AND ELECTRICAL PANELS TO BE PAINTED TO MATCH ADJACENT WALL FINISH. SEE MECHANICAL & ELECTRICAL DRAWINGS.

Q. U.N.O. ALL WOOD SHALL BE OF SAME SPECIES AND SAME CUT OF WOOD.

FINISH PRODUCT REPRESENTATIVE CONTACT LIST

BRAND	ACCOUNT REPRESENTATIVE		
	NAME	PHONE NUMBER	EMAIL
ALTRO	KELLY CONNOLLY	312-442-2982	KCONNOLLY@ALTRO.COM
ATLAS CONCORDE USA	DARLENE COZZI	847-561-9582	DARLENE.COZZI@VIRGINIATILE.COM
DAL TILE	TABATHA CURRY	314-687-3960	TABATHA.CURRY@DALTILE.COM
FORMICA	MARY COTEY	224-422-4523	MARYCOTEY@METROHARDWOODS.COM
J&J FLOORING GROUP	HEIDI FENOGLIA	309-264-4879	HEIDI.FENOGLIA@JJFLOORINGGROUP.COM
LANDMARK CERAMICS	LUKE KOWNICK	847-602-3506	LUKE@PHOENIX-TILE.COM
LATITUDE SIGNAGE	TOM WILCOXEN	815-673-4353	TOM.WILCOXEN@ASIMODULEX.COM
MAPEI	ANIA JABLONSKA	847-626-8788	AJABLONSKA@MAPEI.COM
MOHAWK GROUP	KENT ODEFEY	563-650-6548	KENT_ODEFEY@MOHAWKIND.COM
NUDO	MARLA GOMES	818-530-8008	MARLA.GOMES@NUDO.COM
PATCRAFT	CAMILO SHARP	314-449-3750	CAMILO.SHARP@PATCRAFT.COM
SHERWIN WILLIAMS	HANK MEINKING	314-281-7485	HANK.MEINKING@SHERWIN.COM
TARKETT	BRIAN AYRES	314-324-0086	BRIAN.AYRES@TARKETT.COM
WILSONART	PATTY EGAN	314-809-5114	PEGAN@COMPIDISTRIBUTORS.COM

SYMBOLS LEGEND

NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS

- X-# — CEILING FINISH
- X-# — WALL FINISH
- X-# — ACCENT WALL FINISH
- X-# — WALL BASE FINISH
- X-# — FLOOR FINISH
- X-# — CASEWORK COUNTER/TRANSITION TOP FINISH
- X-# — CASEWORK BASE AND UPPER CABINET FINISH
- X-# — DOOR, WINDOW & FRAME FINISH
- X-# — MISCELLANEOUS FINISH
- X-# — SIGNAGE / ARTWORK FINISH
- X-# — WINDOW TREATMENT FINISH
- CORNER GUARD
- DRAPERY / CUBICLE CURTAIN
- ROLLER SHADE
- VALANCE / CORNICE
- # — FINISH KEYNOTE
- XXX-# / XXX-# — FINISH MATERIAL TRANSITION
- ALIGN — ALIGN FINISH WITH ADJACENT ITEM
- FINISH PATTERN/LINEAR DIRECTION
- ROOM NAME 101 — ROOM DESIGNATION
- BREAK LINE
- 1 — REVISION NOTE

ABBREVIATIONS

AB	ALUMINUM WALL BASE	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
ACB	ACOUSTICAL CEILING BAFFLE	OFOI	OWNER FURNISHED, INSTALLED BY OTHERS
ACC	ACOUSTICAL CEILING CLOUD	P	PAINT
ACT	ACOUSTICAL CEILING TILE	PC	PRIME COAT
ADJ	ADJACENT	PFIN	PREFINISHED
AF	ARCHITECTURAL FILM	PL	PLASTIC LAMINATE
AFF	ABOVE FINISHED FLOOR	PLY	PLYWOOD
AL	ALUMINUM	QTZ	QUARTZ
AP	ACOUSTIC PANEL	RB	RESILIENT WALL BASE
ART	ARTWORK	RF	RESINOUS POURED FLOORING
BBT	BIOBASED RESILIENT TILE	RP	RESIN / ACRYLIC PANEL
BR	BRICK / VENEER BRICK	RS	ROLLER SHADE
CC	CUBICLE CURTAIN	RUB	RUBBER SHEET / TILE
CCT	CUBICLE CURTAIN TRACK	RUG	RUG CARPETING
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.	RV	DRYWALL/MILLWORK REVEAL
CFOI	CONTRACTOR FURNISHED, INSTALLED BY OTHERS.	S	SIGNAGE
CG	CORNER GUARD	SC	SHOWER CURTAIN
CJ	CONTROL JOINT	SCR	SHOWER CURTAIN ROD
CKB	CORKBOARD	SD	STATIC DISSIPATIVE FLOORING
CMU	CONCRETE MASONRY UNIT	SF	SQUARE FEET (FOOT)
CON	CONCRETE FLOORING / FINISH	SHT	SHUTTER
CPT	CARPET	SS	SOLID SURFACE
CR	CRASH RAIL	SST	STAINLESS STEEL
CS	CULTURED STONE	SSV	SPECIALTY SHEET VINYL
CUR	DECORATIVE CURTAIN / ROD	ST	STAIN
DG	DOOR FRAME GUARD	SV	SHEET VINYL
EG	END WALL GUARD	SVT	SPECIALTY VINYL TILE
EM	ENTRY MAT SYSTEM	SY	SQUARE YARD(S)
EWD	ENGINEERED WOOD PLANK	T	TILE FLOORING / WALL / WALL BASE (CERAMIC, PORCELAIN, GLASS)
EX	EXISTING		
EXJ	EXPANSION JOINT		
EXP	EXPOSED	TP	TOILET PARTITION
F	FABRIC	TR	TRIM / CROWN / BASE MOLDING
FRP	FIBERGLASS REINFORCED PANEL(S)	TS	TRANSITION STRIP
		TYP	TYPICAL
G	GLASS / GLAZING	TZ	TERRAZZO FLOORING
GR	GROUT	UFIN	UNFINISHED
GYP	GYPSUM WALL BOARD	UNO	UNLESS NOTED OTHERWISE
HR	HAND RAIL	VAL	VALANCE
HVT	HOMOGENEOUS VINYL TILE	VCT	VINYL COMPOSITION TILE
LF	LINEAR FEET (FOOT)	VET	VINYL ENHANCED TILE
LIN	LINOLEUM SHEET / TILE	VIF	VERIFY IN FIELD
LS	LOUVER SYSTEM	WC	WALL COVERING
LVT	LUXURY VINYL TILE	WCT	WOOD CEILING TILE / PLANK
MB	MOLDED WALL BASE	WD	WOOD (VENEER, PANELING, WAINSCOT, FLOORING)
MTL	METAL		
MISC	MISCELLANEOUS	WF	WINDOW FILM
MP	METAL PANEL	WP	WALL PROTECTION
NA	NOT APPLICABLE	WR	WHITEROCK
NS	NATURAL STONE	WT	WINDOW TREATMENT

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

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RR Building	7815232014	(2B)Cabin H	7815232009

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SHEET 155 of 219
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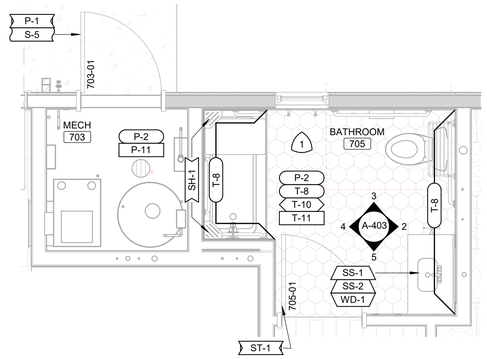
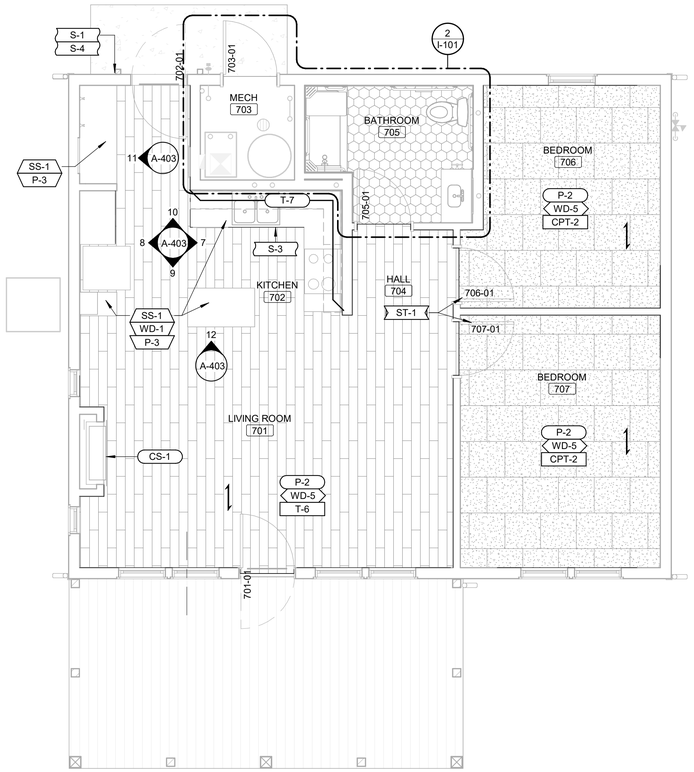


2 ENLARGED BATHROOM AND MECHANICAL FINISH PLAN

SCALE: 3/8" = 1'-0"



1 TWO BEDROOM CABIN FINISH PLAN

SCALE: 1/4" = 1'-0"

0 2 4 8

PLAN NORTH

FINISH PLAN GENERAL NOTES

A. ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT. SEE DETAILS.

B. U.N.O. ALL DOORS AND FRAMES SCHEDULED TO RECEIVE PAINT, PROVIDE P-1. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

C. U.N.O. ALL WOOD DOORS AND FRAMES SCHEDULED TO RECEIVE STAIN, PROVIDE ST-1. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

D. WHERE WOOD FLOOR AND WALL PANELING IS EXISTING AND SCHEDULED TO REMAIN, WOOD SHALL BE SANDED AND PREPARED FOR REFINISHING. GAPS THAT ARE PRESENT DUE TO DEMOLITION OR AREAS NEEDING REPAIRED TO RECEIVE NEW MATERIAL TO MATCH EXISTING IN PROFILE, SIZE AND SPECIES. ENTIRE SURFACE TO BE REFINISHED AS PER SPECIFICATIONS.

E. U.N.O. ALL EXTERIOR WINDOW SILLS, WHERE INDICATED, TO BE SOLID SURFACE SS-1.

F. U.N.O. ALL EXPOSED CEILING STRUCTURE, DUCT WORK, PIPING AND CONDUIT TO RECEIVE PAINT P-1.

G. ALL WINDOW TREATMENTS TO BE BY OWNER (OFOI) AND ARE NOT IN SCOPE OF WORK.

H. SEE REFLECTED CEILING PLANS FOR ADDITIONAL FINISH INFORMATION.

I. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS BY OWNER.

J. AT LODGE BUILDING, INSTALL 3/4" PLYWOOD SUBFLOORING AND SHIM AS REQUIRED TO LEVEL FLOOR; NEW SUBFLOOR WILL BE CUT TO RUN UNDER DOOR OVER EXISTING FRAME TO KEEP A LEVEL SURFACE. SEAMS OF NEW PLYWOOD SUBFLOOR TO BE TAPED AND SKIM COATED TO LEVEL SURFACE TO ELIMINATE TELEGRAPHING OF SEAMS THROUGH FLOOR FINISH MATERIALS.

K. ALL EXTERIOR TRIM TO BE PAINTED TO MATCH PARK STANDARD.

L. ALL NEW WOOD TRIMS AND CASINGS TO MATCH EXISTING STYLE IN PROFILE, HEIGHT AND AESTHETIC. SEE FINISH PLANS AND SCHEDULE FOR FINISH INFORMATION.

M. U.N.O. ALL WOOD TRIM AND CASINGS TO BE STAINED ST-1.

N. INTERIOR TRIM IN THE LOWER DORMITORY TO BE PAINTED. SEE FINISH PLANS AND PRODUCT FINISH SCHEDULE.

O. TOILET ACCESSORIES IN LODGE, FAMILY CABIN, LOWER DORMITORY, AND TWO BEDROOM CABIN TO BE BLACK MATTE FINISH. RESTROOM BUILDING TO BE STAINLESS/SILVER FINISH. SEE SPECIFICATIONS FOR INFORMATION.

FINISH KEYNOTES (#)

1 WALL TILE TO BE FULL HEIGHT BEHIND SINKS AND IN SHOWERS & TUBS. OTHER WALLS TO BE TILE WAINSCOT HEIGHT WITH PAINT ABOVE. SEE ELEVATIONS FOR FINISHED HEIGHT.

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

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Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☒
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TWO BEDROOM CABIN INTERIOR FINISH PLAN

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I-101

SHEET 156 of 219
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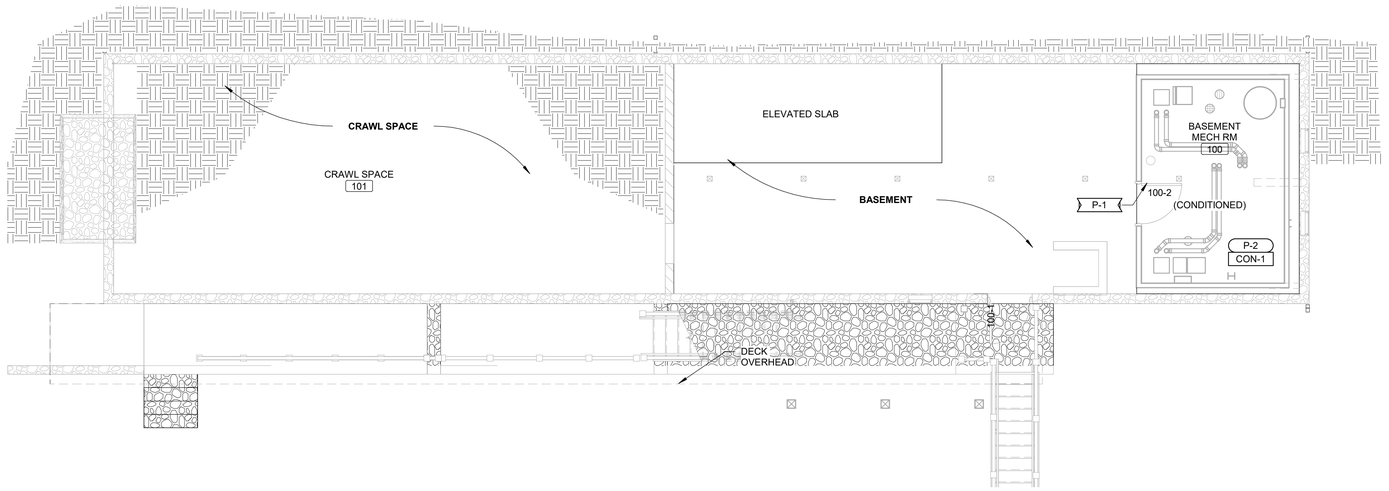
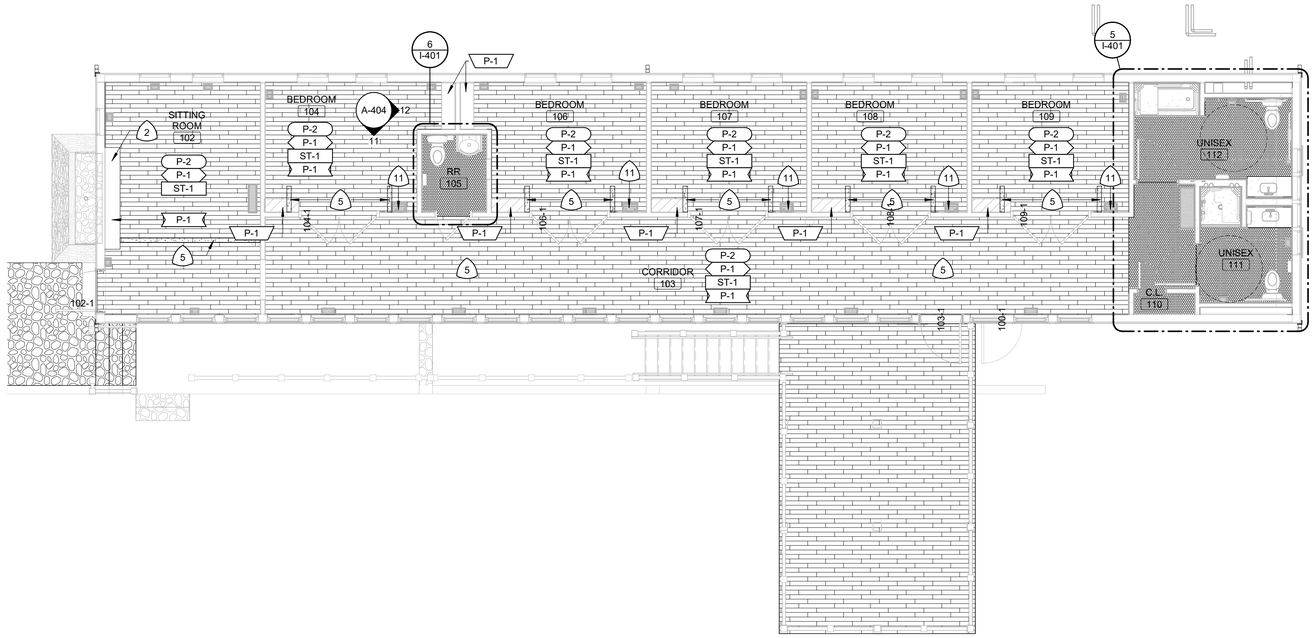


2 LOWER DORM BASEMENT FINISH PLAN - ALTERNATE #1

SCALE: 3/16" = 1'-0"

0 2 4 8 PLAN NORTH



1 LOWER DORM FIRST FLOOR FINISH PLAN - ALTERNATE #1

SCALE: 3/16" = 1'-0"

0 2 4 8 PLAN NORTH

FINISH PLAN GENERAL NOTES

A. ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT. SEE DETAILS.

B. U.N.O. DOORS AND FRAMES SCHEDULED TO RECEIVE PAINT, PROVIDE P-1. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

C. U.N.O. ALL WOOD DOORS AND FRAMES SCHEDULED TO RECEIVE STAIN, PROVIDE ST-1. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

D. WHERE WOOD FLOOR AND WALL PANELING IS EXISTING AND SCHEDULED TO REMAIN, WOOD SHALL BE SANDED AND PREPARED FOR REFINISHING. GAPS THAT ARE PRESENT DUE TO DEMOLITION OR AREAS NEEDING REPAIRED TO RECEIVE NEW MATERIAL TO MATCH EXISTING IN PROFILE, SIZE AND SPECIES. ENTIRE SURFACE TO BE REFINISHED AS PER SPECIFICATIONS.

E. U.N.O. ALL EXTERIOR WINDOW SILLS, WHERE INDICATED, TO BE SOLID SURFACE SS-1.

F. U.N.O. ALL EXPOSED CEILING STRUCTURE, DUCT WORK, PIPING AND CONDUIT TO RECEIVE PAINT P-1.

G. ALL WINDOW TREATMENTS TO BE BY OWNER (OFOI) AND ARE NOT IN SCOPE OF WORK.

H. SEE REFLECTED CEILING PLANS FOR ADDITIONAL FINISH INFORMATION.

I. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS BY OWNER.

J. AT LODGE BUILDING, INSTALL 3/4" PLYWOOD SUBFLOORING AND SHIM AS REQUIRED TO LEVEL FLOOR; NEW SUBFLOOR WILL BE CUT TO RUN UNDER DOOR OVER EXISTING FRAME TO KEEP A LEVEL SURFACE. SEAMS OF NEW PLYWOOD SUBFLOOR TO BE TAPED AND SKIM COATED TO LEVEL SURFACE TO ELIMINATE TELEGRAPHING OF SEAMS THROUGH FLOOR FINISH MATERIALS.

K. ALL EXISTING PREVIOUSLY PAINTED EXTERIOR TRIM TO BE PAINTED TO P-1.

L. ALL NEW WOOD TRIMS AND CASINGS TO MATCH EXISTING STYLE IN PROFILE, HEIGHT AND AESTHETIC. SEE FINISH PLANS AND SCHEDULE FOR FINISH INFORMATION.

M. U.N.O. WOOD TRIM AND CASINGS SCHEDULED FOR STAIN, PROVIDE ST-1.

N. INTERIOR TRIM IN THE LOWER DORMITORY TO BE PAINTED. SEE FINISH PLANS AND PRODUCT FINISH SCHEDULE.

O. TOILET ACCESSORIES IN LODGE, FAMILY CABIN, LOWER DORMITORY, AND TWO BEDROOM CABIN TO BE BLACK MATTE FINISH. RESTROOM BUILDING TO BE STAINLESS/SILVER FINISH. SEE SPECIFICATIONS FOR INFORMATION.

FINISH KEYNOTES (#)

2 REFINISH MANTLE AS INDICATED. PAINT EXPOSED PARGE COAT P-6.

5 EXISTING WOOD FLOOR SCHEDULED TO REMAIN SHALL BE PATCHED AND REPAIRED WITH WOOD FLOORING SALVAGED FROM THIS PROJECT, OR NEW TO MATCH EXISTING IN SIZE AND SPECIES. TOOTH IN SALVAGED BOARDS IN STAGGERED JOINTS TO MATCH ADJACENT INSTALLATION. SAND DOWN ENTIRE FLOOR TO BARE WOOD. REFINISH AS SPECIFIED.

11 INSTALL COAT HOOKS AT 4'-0" A.F.F.

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#	DATE:	DESCRIPTION:

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DESIGNED BY: JDP

SHEET TITLE:

LOWER DORM FINISH PLANS - ALTERNATE #1

SHEET NUMBER:

I-102

SHEET 157 of 219
ISSUE DATE 11/26/2025

11/26/2025 5:56:45 PM

FINISH KEYNOTES (#)

FINISH PLAN GENERAL NOTES

A. ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT. SEE DETAILS.

B. U.N.O. DOORS AND FRAMES SCHEDULED TO RECEIVE PAINT, PROVIDE P-1. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

C. U.N.O. ALL WOOD DOORS AND FRAMES SCHEDULED TO RECEIVE STAIN, PROVIDE ST-1. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

D. WHERE WOOD FLOOR AND WALL PANELING IS EXISTING AND SCHEDULED TO REMAIN, WOOD SHALL BE SANDED AND PREPARED FOR REFINISHING. GAPS THAT ARE PRESENT DUE TO DEMOLITION OR AREAS NEEDING REPAIRED TO RECEIVE NEW MATERIAL TO MATCH EXISTING IN PROFILE, SIZE AND SPECIES. ENTIRE SURFACE TO BE REFINISHED AS PER SPECIFICATIONS.

E. U.N.O. ALL EXTERIOR WINDOW SILLS, WHERE INDICATED, TO BE SOLID SURFACE SS-1.

F. U.N.O. ALL EXPOSED CEILING STRUCTURE, DUCT WORK, PIPING AND CONDUIT TO RECEIVE PAINT P-1.

G. ALL WINDOW TREATMENTS TO BE BY OWNER (OFOI) AND ARE NOT IN SCOPE OF WORK.

H. SEE REFLECTED CEILING PLANS FOR ADDITIONAL FINISH INFORMATION.

I. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS BY OWNER.

J. AT LODGE BUILDING, INSTALL 3/4" PLYWOOD SUBFLOORING AND SHIM AS REQUIRED TO LEVEL FLOOR; NEW SUBFLOOR WILL BE CUT TO RUN UNDER DOOR OVER EXISTING FRAME TO KEEP A LEVEL SURFACE. SEAMS OF NEW PLYWOOD SUBFLOOR TO BE TAPED AND SKIM COATED TO LEVEL SURFACE TO ELIMINATE TELEGRAPHING OF SEAMS THROUGH FLOOR FINISH MATERIALS.

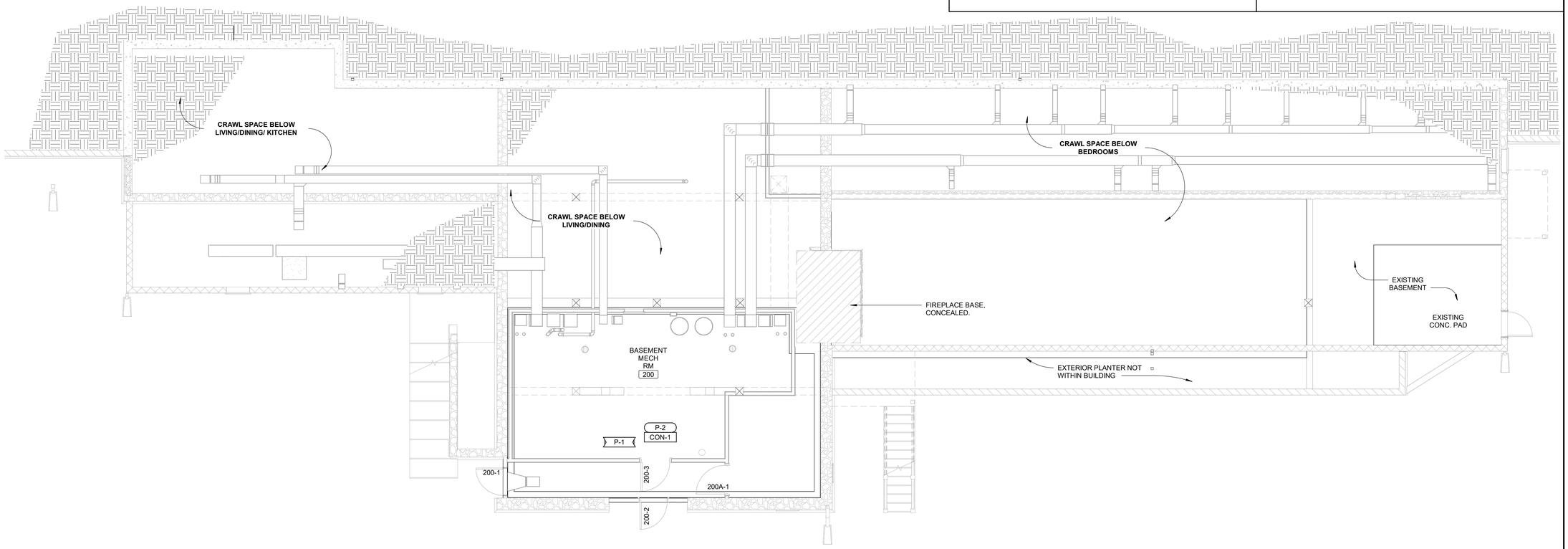
K. ALL EXISTING PREVIOUSLY PAINTED EXTERIOR TRIM TO BE PAINTED TO P-1.

L. ALL NEW WOOD TRIMS AND CASINGS TO MATCH EXISTING STYLE IN PROFILE, HEIGHT AND AESTHETIC. SEE FINISH PLANS AND SCHEDULE FOR FINISH INFORMATION.

M. U.N.O. WOOD TRIM AND CASINGS SCHEDULED FOR STAIN, PROVIDE ST-1.

N. INTERIOR TRIM IN THE LOWER DORMITORY TO BE PAINTED. SEE FINISH PLANS AND PRODUCT FINISH SCHEDULE.

O. TOILET ACCESSORIES IN LODGE, FAMILY CABIN, LOWER DORMITORY, AND TWO BEDROOM CABIN TO BE BLACK MATTE FINISH. RESTROOM BUILDING TO BE STAINLESS/SILVER FINISH. SEE SPECIFICATIONS FOR INFORMATION.



1 **LODGE BASEMENT FINISH PLAN**
SCALE: 3/16" = 1'-0"

0 2 4 8 PLAN NORTH

11/25/2025 5:06:45 PM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER
A-2018007676
ARCHITECT

Date: 11/26/2025

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2BI)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2BI)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2BI)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2BI)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2BI)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2BI)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JDP
CHECKED BY: NRB
DESIGNED BY: JDP

SHEET TITLE:

LODGE BASEMENT FINISH PLAN

SHEET NUMBER:

I-103

SHEET 158 of 219
ISSUE DATE 11/26/2025

FINISH KEYNOTES (#)

5 EXISTING WOOD FLOOR SCHEDULED TO REMAIN SHALL BE PATCHED AND REPAIRED WITH WOOD FLOORING SALVAGED FROM THIS PROJECT, OR NEW TO MATCH EXISTING IN SIZE AND SPECIES. TOOTH IN SALVAGED BOARDS IN STAGGERED JOINTS TO MATCH ADJACENT INSTALLATION. SAND DOWN ENTIRE FLOOR TO BARE WOOD. REFINISH AS SPECIFIED.

7 EXISTING WOOD WALL PANELING SCHEDULED TO REMAIN SHALL BE PATCHED AND REPAIRED WITH WOOD PANELING SALVAGED FROM THIS PROJECT. FILL IN DEMOLISHED AREAS WITH SALVAGED BOARDS TO MATCH ADJACENT INSTALLATION. SAND DOWN ALL WOOD WALLS TO BARE WOOD. REFINISH AS SPECIFIED.

FINISH PLAN GENERAL NOTES

A. ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT. SEE DETAILS.

B. U.N.O. DOORS AND FRAMES SCHEDULED TO RECEIVE PAINT, PROVIDE P-1. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

C. U.N.O. ALL WOOD DOORS AND FRAMES SCHEDULED TO RECEIVE STAIN, PROVIDE ST-1. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

D. WHERE WOOD FLOOR AND WALL PANELING IS EXISTING AND SCHEDULED TO REMAIN, WOOD SHALL BE SANDED AND PREPARED FOR REFINISHING. GAPS THAT ARE PRESENT DUE TO DEMOLITION OR AREAS NEEDING REPAIRED TO RECEIVE NEW MATERIAL TO MATCH EXISTING IN PROFILE, SIZE AND SPECIES. ENTIRE SURFACE TO BE REFINISHED AS PER SPECIFICATIONS.

E. U.N.O. ALL EXTERIOR WINDOW SILLS, WHERE INDICATED, TO BE SOLID SURFACE SS-1.

F. U.N.O. ALL EXPOSED CEILING STRUCTURE, DUCT WORK, PIPING AND CONDUIT TO RECEIVE PAINT P-1.

G. ALL WINDOW TREATMENTS TO BE BY OWNER (OFOI) AND ARE NOT IN SCOPE OF WORK.

H. SEE REFLECTED CEILING PLANS FOR ADDITIONAL FINISH INFORMATION.

I. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS BY OWNER.

J. AT LODGE BUILDING, INSTALL 3/4" PLYWOOD SUBFLOORING AND SHIM AS REQUIRED TO LEVEL FLOOR; NEW SUBFLOOR WILL BE CUT TO RUN UNDER DOOR OVER EXISTING FRAME TO KEEP A LEVEL SURFACE. SEAMS OF NEW PLYWOOD SUBFLOOR TO BE TAPED AND SKIM COATED TO LEVEL SURFACE TO ELIMINATE TELEGRAPHING OF SEAMS THROUGH FLOOR FINISH MATERIALS.

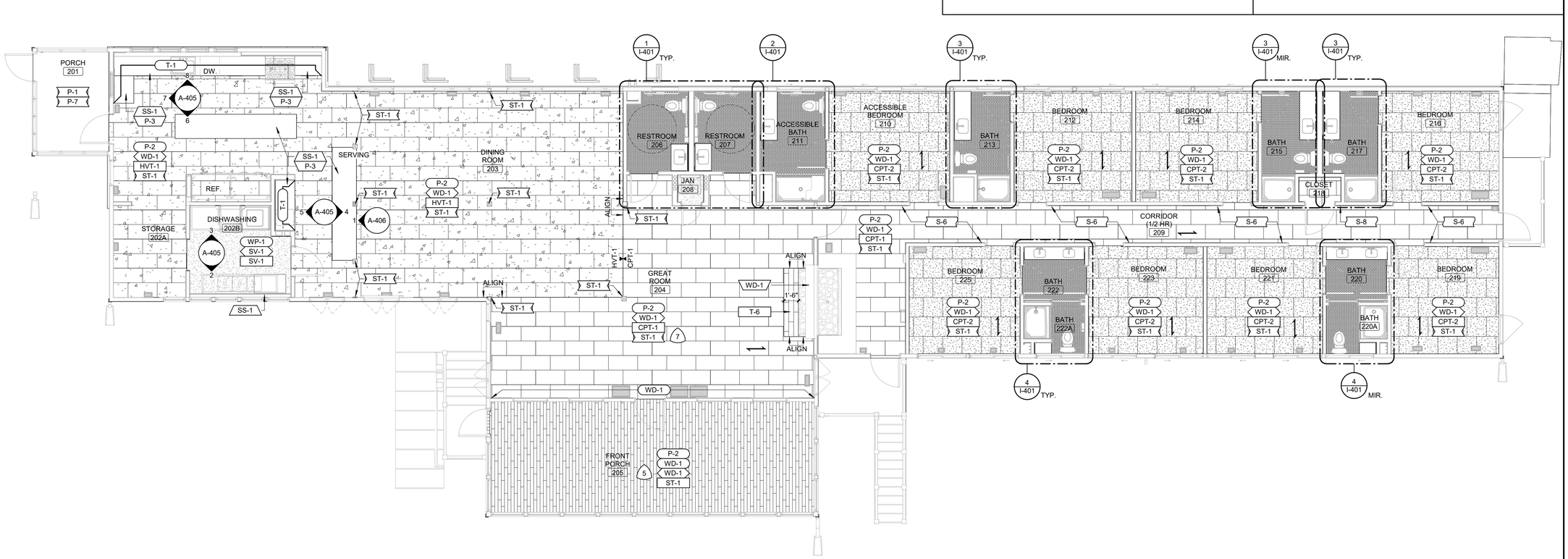
K. ALL EXISTING PREVIOUSLY PAINTED EXTERIOR TRIM TO BE PAINTED TO P-1.

L. ALL NEW WOOD TRIMS AND CASINGS TO MATCH EXISTING STYLE IN PROFILE, HEIGHT AND AESTHETIC. SEE FINISH PLANS AND SCHEDULE FOR FINISH INFORMATION.

M. U.N.O. WOOD TRIM AND CASINGS SCHEDULED FOR STAIN, PROVIDE ST-1.

N. INTERIOR TRIM IN THE LOWER DORMITORY TO BE PAINTED. SEE FINISH PLANS AND PRODUCT FINISH SCHEDULE.

O. TOILET ACCESSORIES IN LODGE, FAMILY CABIN, LOWER DORMITORY, AND TWO BEDROOM CABIN TO BE BLACK MATTE FINISH. RESTROOM BUILDING TO BE STAINLESS/SILVER FINISH. SEE SPECIFICATIONS FOR INFORMATION.



1 **LODGE FINISH PLAN**
SCALE: 3/16" = 1'-0"

0 2 4 8

PLAN NORTH

11/25/2025 5:56:46 PM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
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ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

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SITE #.: 5232

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Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JDP
CHECKED BY: NRB
DESIGNED BY: JDP

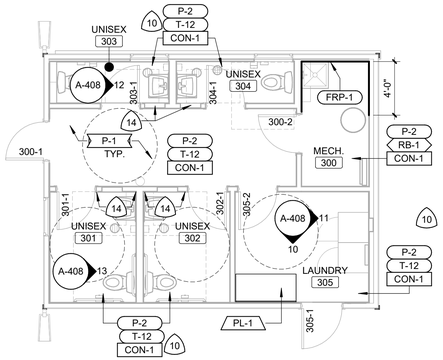
SHEET TITLE:

LODGE FIRST FLOOR FINISH PLAN

SHEET NUMBER:

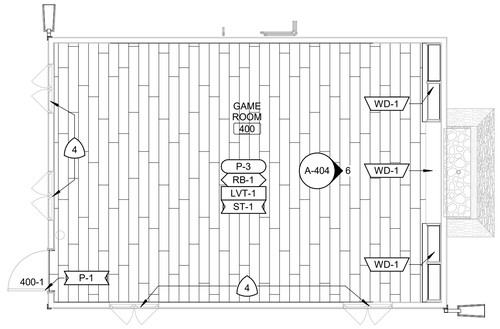
I-104

SHEET 159 of 219
ISSUE DATE 11/26/2025



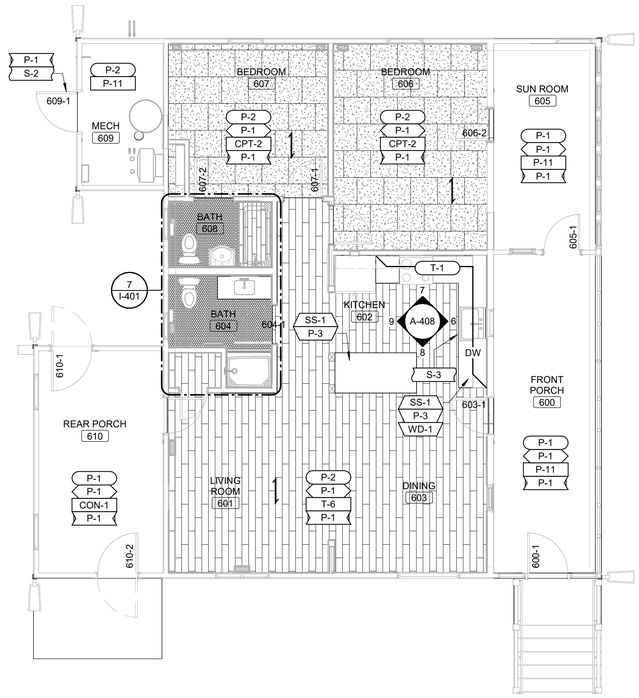
RESTROOM FINISH PLAN

4 SCALE: 3/16" = 1'-0"



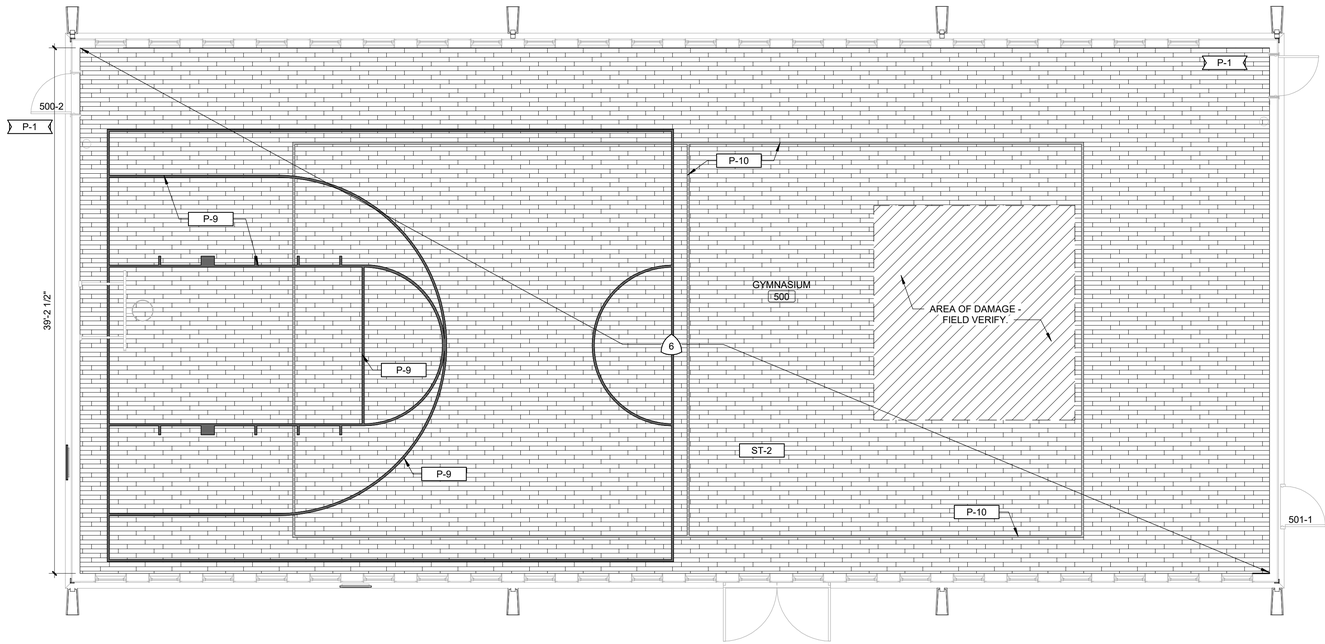
GAME ROOM FINISH PLAN - ALTERNATE #3

3 SCALE: 3/16" = 1'-0"



FAMILY CABIN FINISH PLAN - ALTERNATE #2

2 SCALE: 3/16" = 1'-0"



GYMNASIUM FINISH PLAN

1 SCALE: 3/16" = 1'-0"

11/25/2025 5:06:48 PM

FINISH PLAN GENERAL NOTES

A. ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT. SEE DETAILS.

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G. ALL WINDOW TREATMENTS TO BE BY OWNER (OFOI) AND ARE NOT IN SCOPE OF WORK.

H. SEE REFLECTED CEILING PLANS FOR ADDITIONAL FINISH INFORMATION.

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FINISH KEYNOTES

4 TRIM AND CASINGS TO BE STAINED AS SPECIFIED, UNO.

6 PATCH AND REPAIR EXISTING WOOD GYM FLOOR. TOOTH IN DAMAGED AREAS WITH SALVAGED BOARDS FROM THIS PROJECT, OR NEW BOARDS TO MATCH IN SPECIES AND SIZE, IN STAGGERED JOINTS TO MATCH EXISTING INSTALLATION. SAND DOWN ENTIRE FLOOR TO BARE WOOD. PROVIDE COURT LINES FOR BASKETBALL AND VOLLEYBALL IN SAME SIZE AND LOCATION AS EXISTING INSTALLATION. SEAL AND POLISH ENTIRE FLOOR AS SPECIFIED.

8 EXPOSED VERTICAL EDGE OF TILE TO RECEIVE TRIM T-2.

9 ACCENT PAINTS TO ALTERNATE IN BATHROOMS. P-4 TO BE LOCATED IN ROOMS 211,215, AND 222. P-5 TO BE LOCATED IN ROOMS 213, 217, 220.

10 WALL TILE TO BE WAINSCOT HEIGHT AT 3'-3" A.F.F. EXPOSED EDGE OF TILE TO RECEIVE BASIS OF DESIGN SCHLUTER JOLLY METAL TRIM. SEE INTERIOR ELEVATIONS AND PRODUCT FINISH SCHEDULE.

13 SHELF TO BE MOUNTED AT 4'-0" A.F.F, OR AT NEAREST GROUT JOINT.

14 PROVIDE FULL HEIGHT TILE AT ALL RECESSED WASTE RECEPTACLES.

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DEPARTMENT OF NATURAL
RESOURCES DIVISION OF STATE
PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

DATE: DESCRIPTION:

DRAWN BY: JDP
CHECKED BY: NRB
DESIGNED BY: JDP

SHEET TITLE:

GYMNASIUM, RESTROOM, GAME ROOM & FAMILY CABIN FINISH PLANS

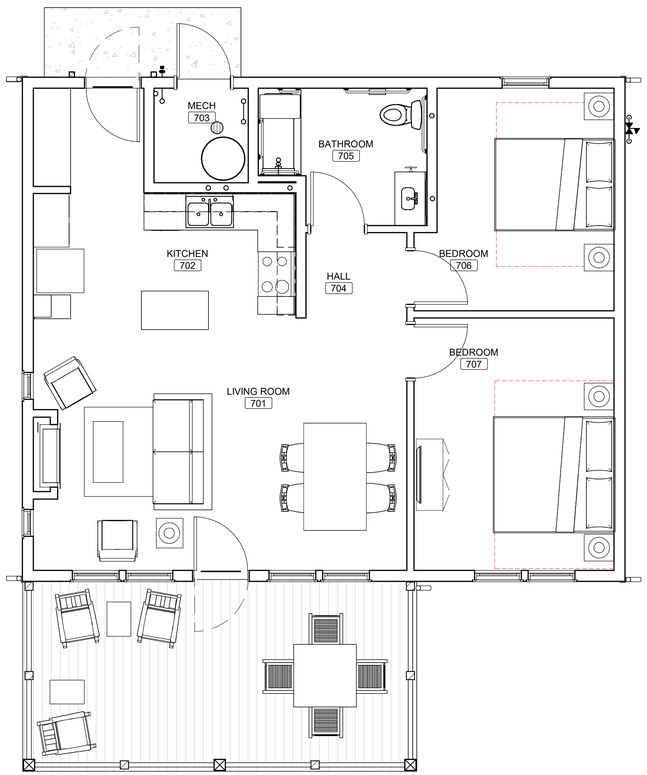
SHEET NUMBER:

I-105

SHEET 160 of 219
ISSUE DATE 11/26/2025

FURNITURE PLAN GENERAL NOTES

A. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.



1 **TWO BEDROOM FURNITURE PLAN (REFERENCE ONLY)**
SCALE: 1/4" = 1'-0"

0 2 4 8

PLAN NORTH

11/26/2025 5:02:58 PM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER
A-2018007676
ARCHITECT

Date: 11/26/2025

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
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Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: JDP
CHECKED BY: NRB
DESIGNED BY: JDP

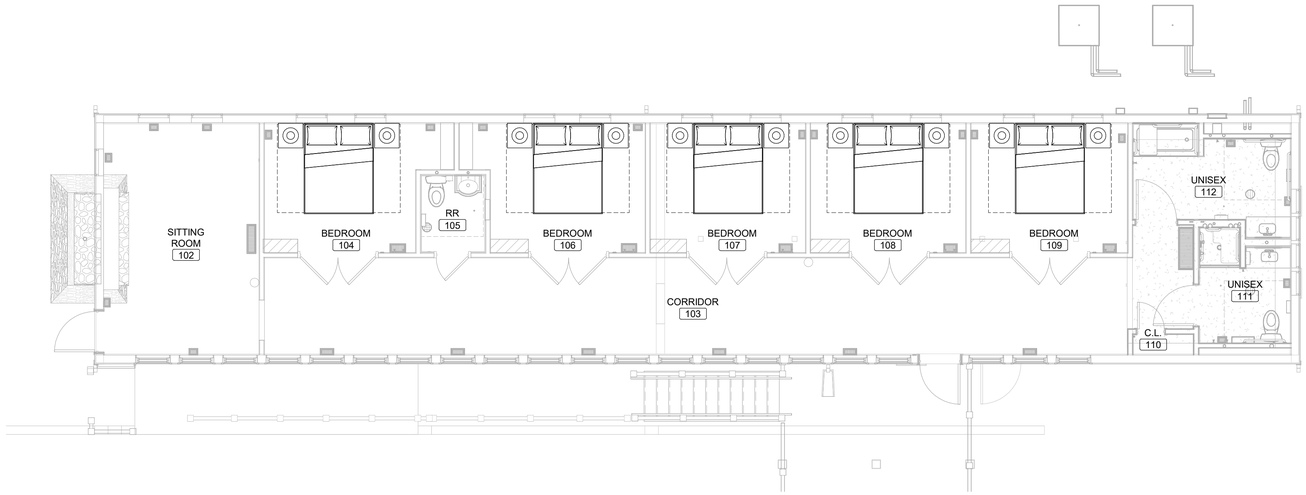
SHEET TITLE:

TWO BEDROOM CABIN FURNITURE PLAN (REFERENCE ONLY)

SHEET NUMBER:

I-106

SHEET 161 of 219
ISSUE DATE 11/26/2025



2 LOWER DORM FURNITURE PLAN - ALTERNATE #1 (FOR REFERENCE ONLY)

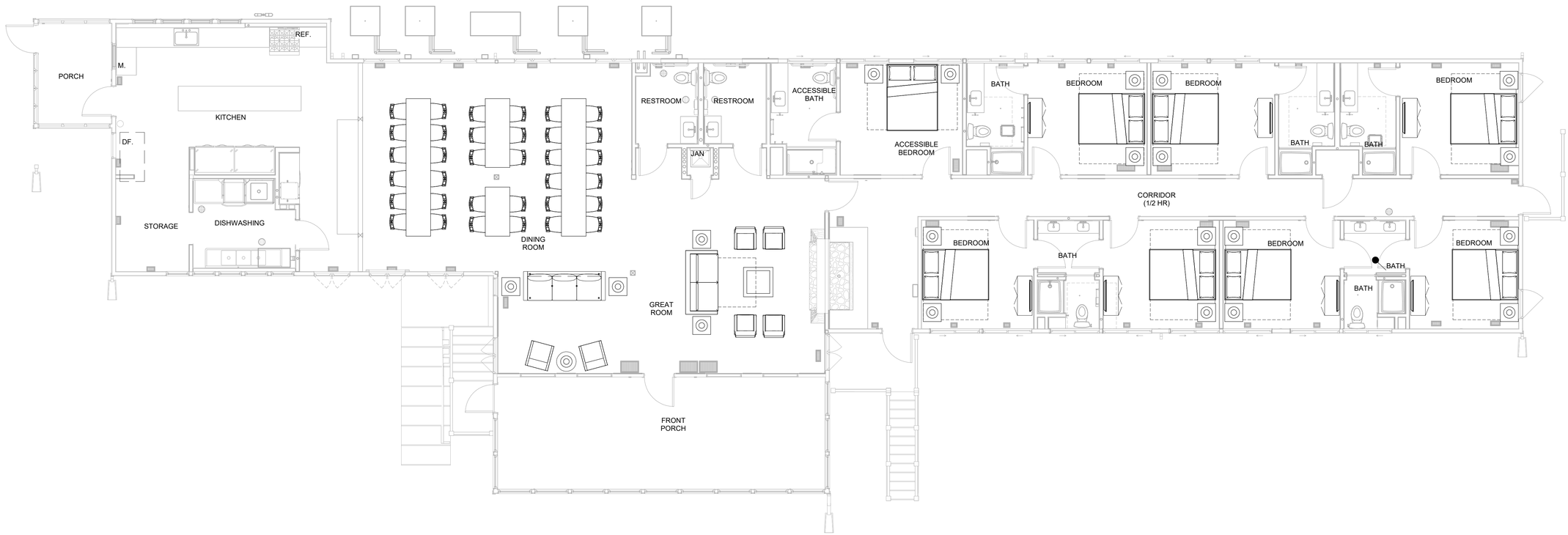
SCALE: 3/16" = 1'-0"

0 2 4 8

PLAN NORTH

FURNITURE PLAN GENERAL NOTES

A. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.



1 LODGE FURNITURE PLAN (FOR REFERENCE ONLY)

SCALE: 3/16" = 1'-0"

0 2 4 8

PLAN NORTH

11/25/2025 5:55:48 PM

STATE OF MISSOURI
MIKE KEHOE
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ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

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#	DATE:	DESCRIPTION:

DRAWN BY: JDP
CHECKED BY: NRB
DESIGNED BY: JDP

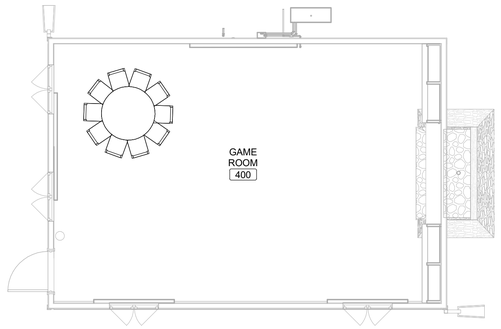
SHEET TITLE:

LODGE AND LOWER DORMITORY FURNITURE PLANS (REFERENCE ONLY)

SHEET NUMBER:

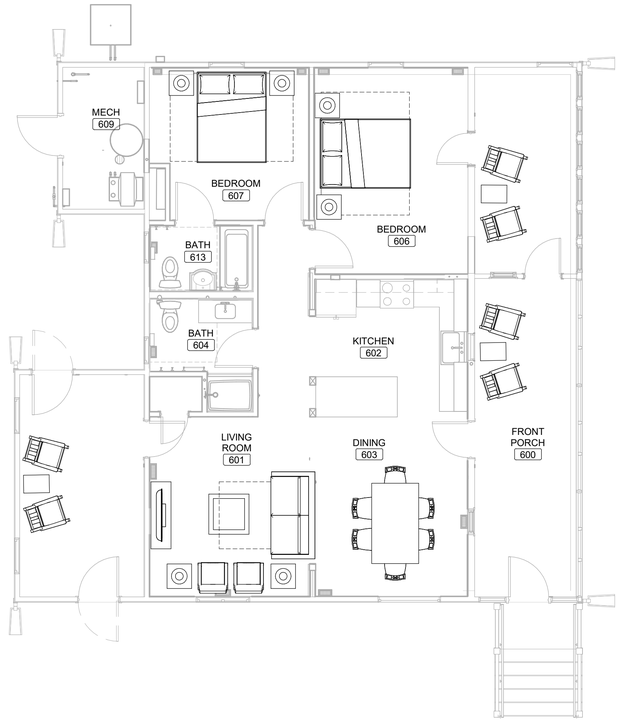
I-107

SHEET 162 of 219
ISSUE DATE 11/26/2025



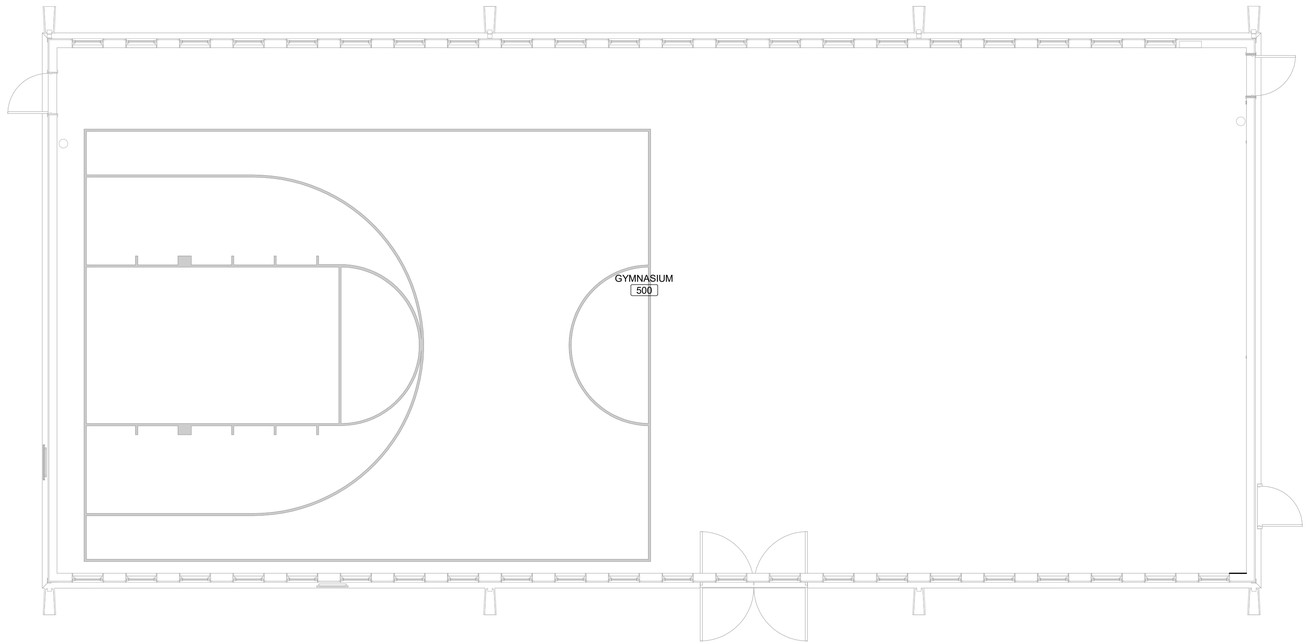
3 GAME ROOM FURNITURE PLAN - ALTERNATE #3 (FOR REFERENCE ONLY)

SCALE: 3/16" = 1'-0"



2 FAMILY CABIN FURNITURE PLAN - ALTERNATE #2 (FOR REFERENCE ONLY)

SCALE: 3/16" = 1'-0"



1 GYMNASIUM FURNITURE PLAN - (FOR REFERENCE ONLY)

SCALE: 3/16" = 1'-0"

11/26/2025 5:56:50 PM

FURNITURE PLAN GENERAL NOTES

A. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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NICHOLAS RYAN BRUNER
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Lodge	7815232001	☐	(2BR)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2BR)Cabin D	7815232005	☐
Gymnasium	7815232011	☒	(2BR)Cabin E	7815232006	☐
Game Room	7815232012	☒	(2BR)Cabin F	7815232007	☐
Family Cabin	7815232013	☒	(2BR)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2BR)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JDP
CHECKED BY: NRB
DESIGNED BY: JDP

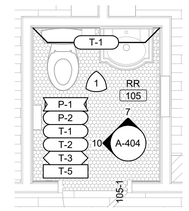
SHEET TITLE:

**GYM, GAME ROOM &
FAMILY CABIN
FURNITURE PLANS
(REFERENCE ONLY)**

SHEET NUMBER:

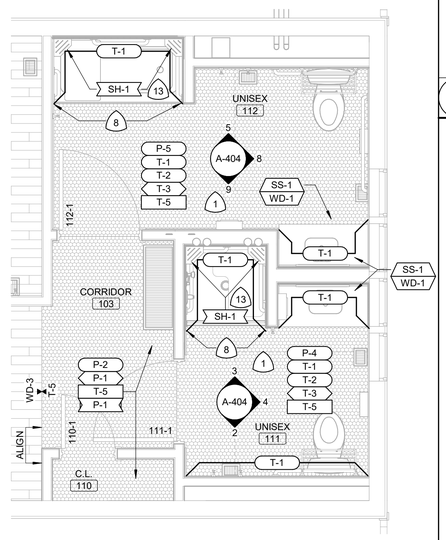
I-108

SHEET 163 of 219
ISSUE DATE 11/26/2025



DORMITORY PUBLIC RESTROOM 105 - ALTERNATE #1

6 **SCALE: 3/8" = 1'-0"**



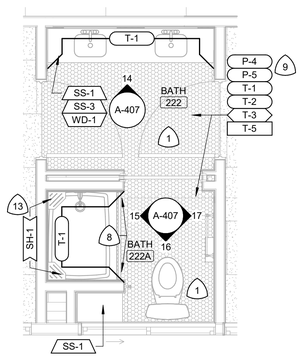
DORMITORY SHOWERS - ALTERNATE #1

5 **SCALE: 3/8" = 1'-0"**



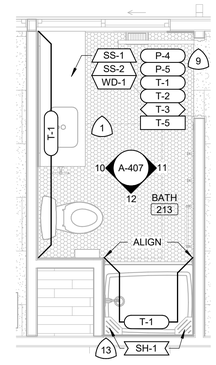
FAMILY CABIN RESTROOMS - ALTERNATE #2

7 **SCALE: 3/8" = 1'-0"**



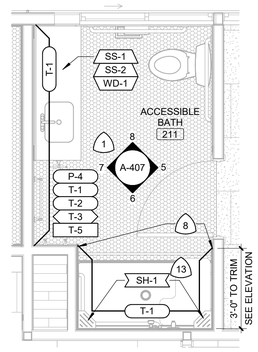
LODGE SHARED GUEST BATH, TYP.

4 **SCALE: 3/8" = 1'-0"**



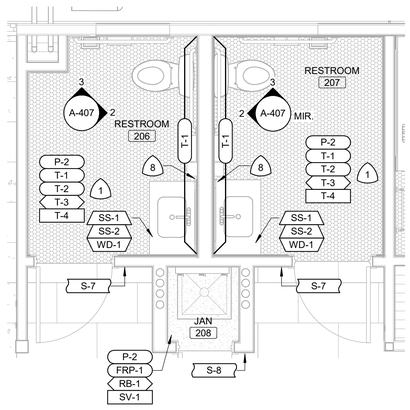
LODGE GUEST BATH, TYP.

3 **SCALE: 3/8" = 1'-0"**



LODGE BATH 211 AND JAN. 208

2 **SCALE: 3/8" = 1'-0"**



LODGE RESTROOMS 206 & 207

1 **SCALE: 3/8" = 1'-0"**

FINISH PLAN GENERAL NOTES

A. ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT. SEE DETAILS.

B. U.N.O. DOORS AND FRAMES SCHEDULED TO RECEIVE PAINT, PROVIDE P-1. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

C. U.N.O. ALL WOOD DOORS AND FRAMES SCHEDULED TO RECEIVE STAIN, PROVIDE ST-1. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

D. WHERE WOOD FLOOR AND WALL PANELING IS EXISTING AND SCHEDULED TO REMAIN, WOOD SHALL BE SANDED AND PREPARED FOR REFINISHING. GAPS THAT ARE PRESENT DUE TO DEMOLITION OR AREAS NEEDING REPAIRED TO RECEIVE NEW MATERIAL TO MATCH EXISTING IN PROFILE, SIZE AND SPECIES. ENTIRE SURFACE TO BE REFINISHED AS PER SPECIFICATIONS.

E. U.N.O. ALL EXTERIOR WINDOW SILLS, WHERE INDICATED, TO BE SOLID SURFACE SS-1.

F. U.N.O. ALL EXPOSED CEILING STRUCTURE, DUCT WORK, PIPING AND CONDUIT TO RECEIVE PAINT P-1.

G. ALL WINDOW TREATMENTS TO BE BY OWNER (OFOI) AND ARE NOT IN SCOPE OF WORK.

H. SEE REFLECTED CEILING PLANS FOR ADDITIONAL FINISH INFORMATION.

I. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS BY OWNER.

J. AT LODGE BUILDING, INSTALL 3/4" PLYWOOD SUBFLOORING AND SHIM AS REQUIRED TO LEVEL FLOOR; NEW SUBFLOOR WILL BE CUT TO RUN UNDER DOOR OVER EXISTING FRAME TO KEEP A LEVEL SURFACE. SEAMS OF NEW PLYWOOD SUBFLOOR TO BE TAPED AND SKIM COATED TO LEVEL SURFACE TO ELIMINATE TELEGRAPHING OF SEAMS THROUGH FLOOR FINISH MATERIALS.

K. ALL EXISTING PREVIOUSLY PAINTED EXTERIOR TRIM TO BE PAINTED TO P-1.

L. ALL NEW WOOD TRIMS AND CASINGS TO MATCH EXISTING STYLE IN PROFILE, HEIGHT AND AESTHETIC. SEE FINISH PLANS AND SCHEDULE FOR FINISH INFORMATION.

M. U.N.O. WOOD TRIM AND CASINGS SCHEDULED FOR STAIN, PROVIDE ST-1.

N. INTERIOR TRIM IN THE LOWER DORMITORY TO BE PAINTED. SEE FINISH PLANS AND PRODUCT FINISH SCHEDULE.

O. TOILET ACCESSORIES IN LODGE, FAMILY CABIN, LOWER DORMITORY, AND TWO BEDROOM CABIN TO BE BLACK MATTE FINISH. RESTROOM BUILDING TO BE STAINLESS/SILVER FINISH. SEE SPECIFICATIONS FOR INFORMATION.

FINISH KEYNOTES

1 WALL TILE TO BE FULL HEIGHT BEHIND SINKS AND IN SHOWERS & TUBS. OTHER WALLS TO BE TILE WAINSCOT HEIGHT WITH PAINT ABOVE. SEE ELEVATIONS FOR FINISHED HEIGHT.

8 EXPOSED VERTICAL EDGE OF TILE TO RECEIVE TRIM T-2.

9 ACCENT PAINTS TO ALTERNATE IN BATHROOMS. P-4 TO BE LOCATED IN ROOMS 211,215, AND 222. P-5 TO BE LOCATED IN ROOMS 213, 217, 220.

13 SHELF TO BE MOUNTED AT 4'-0" A.F.F, OR AT NEAREST GROUT JOINT.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER
A-2018007676
ARCHITECT

Date: 11/26/2025

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☐
Large Dorm	7815232010	☒	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

DATE: DESCRIPTION:

DRAWN BY: JDP
CHECKED BY: NRB
DESIGNED BY: JDP

SHEET TITLE:

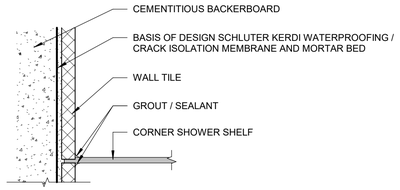
ENLARGED FINISH PLANS & INTERIOR FINISH ELEVATIONS

SHEET NUMBER:

I-401

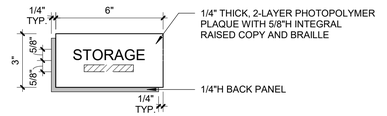
SHEET 164 of 219
ISSUE DATE 11/26/2025

11/25/2025 5:05:53 PM



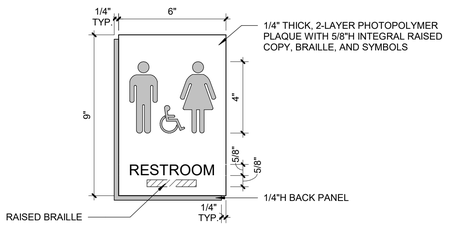
20 SHOWER SHELF SH-1, TYP.

SCALE: 3" = 1'-0"



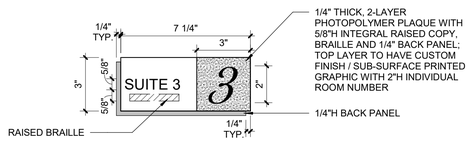
19 SIGN TYPE S-8

SCALE: 3" = 1'-0"



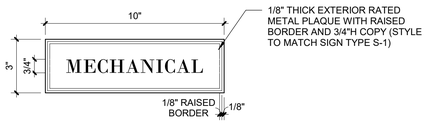
18 SIGN TYPE S-7

SCALE: 3" = 1'-0"



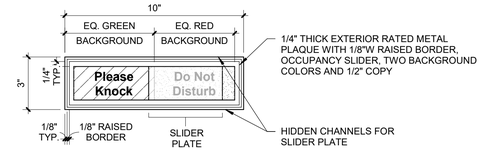
17 SIGN TYPE S-6

SCALE: 3" = 1'-0"



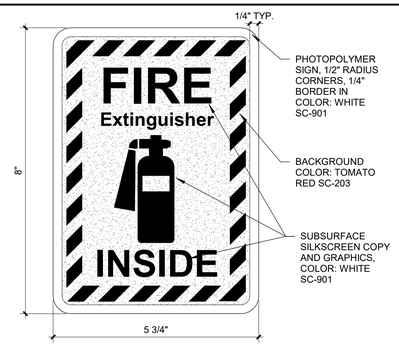
16 SIGN TYPE S-5

SCALE: 3" = 1'-0"



15 SIGN TYPE S-4

SCALE: 3" = 1'-0"



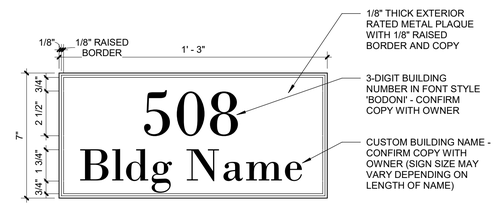
14 SIGN TYPE S-3

SCALE: 6" = 1'-0"



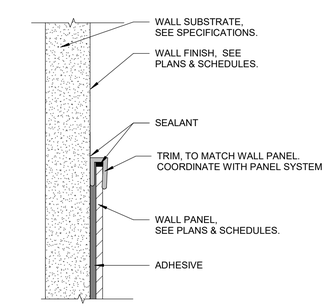
13 SIGN TYPE S-2

SCALE: 3" = 1'-0"



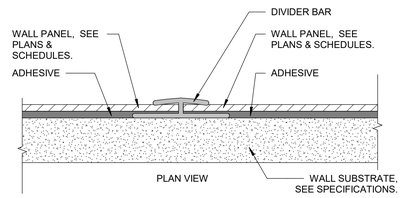
12 SIGN TYPE S-1

SCALE: 3" = 1'-0"



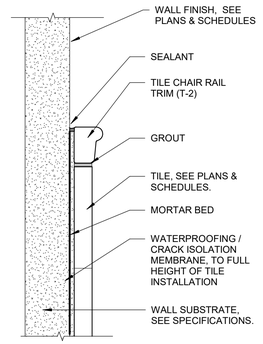
11 FRP-2 WALL PANEL TOP EDGE TRIM

SCALE: 12" = 1'-0"



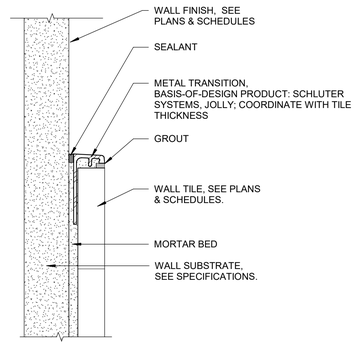
10 FRP-1 WALL PANEL VERTICAL SEAM DIVIDER BAR

SCALE: 12" = 1'-0"



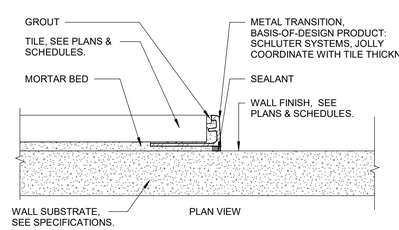
9 TILE EDGE TRIM (T-2) HISTORIC BUILDINGS

SCALE: 12" = 1'-0"



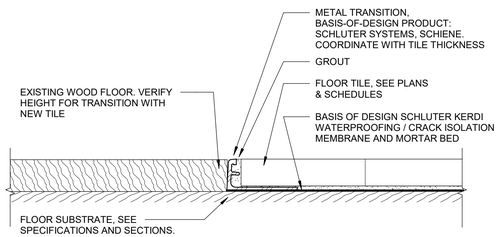
8 TILE EDGE TRIM - NEW CABINS & BATH BUILDING

SCALE: 12" = 1'-0"



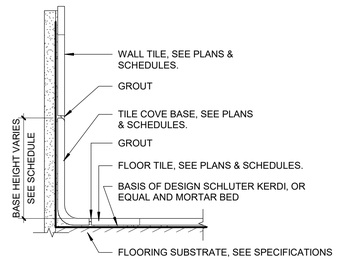
7 TILE EDGE TRANSITION_WALL

SCALE: 12" = 1'-0"



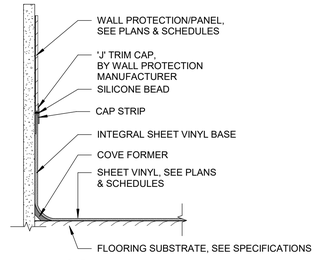
6 PORCELAIN TILE TO EX WOOD TRANSITION

SCALE: 12" = 1'-0"



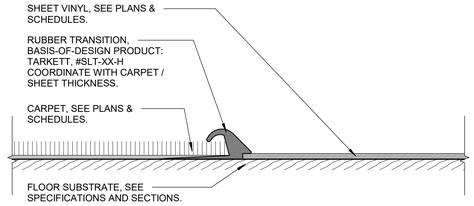
5 COVED TILE BASE - WALL TILE

SCALE: 3" = 1'-0"



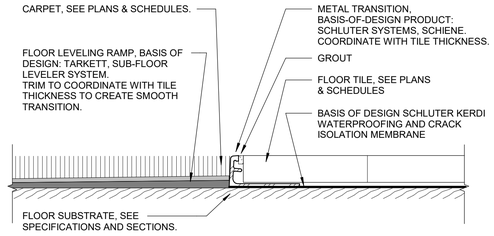
4 SHEET VINYL COVE BASE - WALL PANEL

SCALE: 3" = 1'-0"



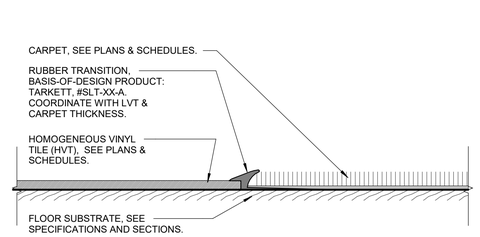
3 CARPET TO SHEET VINYL TRANSITION

SCALE: 12" = 1'-0"



2 PORCELAIN TILE TO CARPET TRANSITION

SCALE: 12" = 1'-0"



1 CARPET TO HVT TRANSITION

SCALE: 12" = 1'-0"

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
NICHOLAS RYAN BRUNER
NUMBER A-2018007676
ARCHITECT

Date: 11/26/2025

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☒
Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☒
Gymnasium	7815232011	☒	(2B)Cabin E	7815232006	☒
Game Room	7815232012	☒	(2B)Cabin F	7815232007	☒
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☒
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

DRAWN BY: JDP
CHECKED BY: NRB
DESIGNED BY: JDP

SHEET TITLE:

INTERIOR FLOOR, WALL BASE AND FINISH DETAILS

SHEET NUMBER:

I-501

SHEET 165 of 219
ISSUE DATE 11/26/2025

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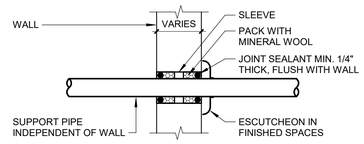
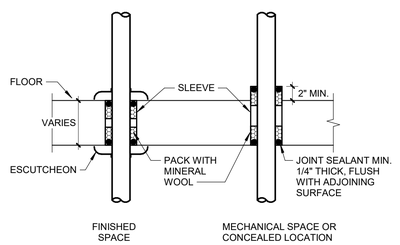
SYMBOLS LEGEND AND ABBREVIATIONS

NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS

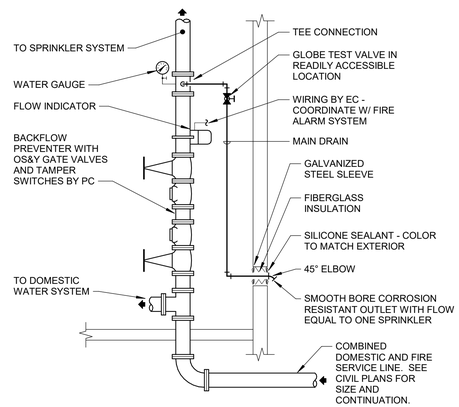
—FL—	FIRE LINE	EC	ELECTRICAL CONTRACTOR
○	UPRIGHT SPRINKLER HEAD	FPC	FIRE PROTECTION CONTRACTOR
⊛	SEMI-RECESSED SPRINKLER HEAD	MC	MECHANICAL CONTRACTOR
⊗	CONCEALED SPRINKLER HEAD	PC	PLUMBING CONTRACTOR
●	PENDANT SPRINKLER HEAD		BACKFLOW PREVENTER
◀	SIDEWALL SPRINKLER HEAD		CHECK VALVE
	ORDINARY HAZARD GROUP 1 OCCUPANCY		GATE VALVE
	ORDINARY HAZARD GROUP 2 OCCUPANCY	T&D	TEST AND DRAIN ASSEMBLY
#	KEYNOTE	TS	TAMPER SWITCH
	DETAIL OR SECTION MARK	FS	FLOW SWITCH
##	DETAIL #		FIRE DEPARTMENT CONNECTION (FDC)
#	SHEET #		POINT OF NEW CONNECTION
			POINT OF TERMINATION/CAP





PIPE PENETRATION FOR NON-RATED WALLS AND FLOORS

2 **SCALE: No Scale**



SPRINKLER RISER W/VERTICALLY MOUNTED BFP

1 **SCALE: No Scale**

GENERAL NOTES

COMMON REQUIREMENTS

A. PLAN AND CALCULATION WORK SHALL BE PREPARED UNDER THE RESPONSIBLE CHARGE OF, AND SEALED BY, A LICENSED ENGINEER (OR A NICET LEVEL III OR IV TECHNICIAN CERTIFIED IN WATER BASED FIRE PROTECTION SYSTEM LAYOUT) AS REQUIRED BY THE STATE OF MISSOURI.

B. MATERIALS, INSTALLATION AND TESTING SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF STATE AND LOCAL CODE PROCEDURES, METHODS AND REQUIREMENTS, INCLUDING THE MOST STRINGENT OF HEALTH AND SAFETY STANDARDS AS REQUIRED AND AS INTERPRETED BY THE AUTHORITY HAVING JURISDICTION. APPLICABLE CODES AND STANDARDS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
"INTERNATIONAL FIRE CODE" (CURRENT EDITION)
"INTERNATIONAL BUILDING CODE" (CURRENT EDITION)
"NFPA 13D" (CURRENT EDITION)
"NFPA 25" (CURRENT EDITION)
"INTERNATIONAL PLUMBING CODE" (CURRENT EDITION)
APPLICABLE LOCAL AND MUNICIPAL CODES AND ORDINANCES.

C. MEANING AND INTENT OF DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND FIRE PROTECTION SYSTEMS ARE SHOWN IN SCHEMATIC FORM. DRAWINGS DO NOT SHOW EVERY FIRE PROTECTION SYSTEM COMPONENT AND SHOULD BE FOLLOWED AS CLOSELY AS CIRCUMSTANCES WILL PERMIT. DESIGN THE SYSTEM AND ROUTE PIPING AS REQUIRED FOR CONFORMANCE WITH THE DRAWINGS, ACTUAL BUILDING CONDITIONS, AND COMPLIANCE OF APPLICABLE CODES AND STANDARDS TO MEET THE INTENT AND MEANING OF THE DRAWINGS AND TO PROVIDE A COMPLETE AND OPERATIONAL FIRE PROTECTION SYSTEM. WHERE APPLICABLE, THE FIRE PROTECTION CONTRACTOR SHALL FIELD VERIFY CONDITIONS PRIOR TO SYSTEM DESIGN. REPORT ANY QUESTIONS, OR CONCERNS TO THE ARCHITECT/ENGINEER IN WRITING PRIOR TO PROCEEDING WITH WORK. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. MINOR CHANGES IN LOCATIONS OF FIRE PROTECTION EQUIPMENT, AND/OR SYSTEMS FROM THOSE INDICATED ON DRAWINGS SHALL BE MADE WITHOUT EXTRA COST.

D. INCLUDE IN BID, ALL LICENSE, PERMIT, INSPECTION, AND OTHER FEES REQUIRED BY UTILITY COMPANIES OR AUTHORITIES HAVING JURISDICTION REQUIRED FOR COMPLETION OF WORK SO NO ADDITIONAL EXPENSES ARE INTRODUCED TO THE OWNER.

E. ANY COSTS RESULTING FROM ANY DEVIATIONS IN THE CONTRACT DOCUMENTS FROM REQUIREMENTS OF LOCAL UTILITIES, MUNICIPALITIES, STATE OR FEDERAL LAWS AND REGULATIONS SHALL BE INCLUDED IN BID.

F. THE FIRE PROTECTION CONTRACTOR SHALL USE NFPA-13D, AS A GUIDELINE WHEN PREPARING SUBMITTALS FOR REVIEW. DISREGARD ONLY THOSE ITEMS NOT APPLICABLE TO THE INDIVIDUAL BUILDING SYSTEM. FIRE PROTECTION MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA-13D (STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS FOR ONE AND TWO FAMILY DWELLINGS AND MANUFACTURED HOMES).

G. EACH CABIN SHALL BE A SPRINKLERED BUILDING WITH A WET PIPE SYSTEM AS OUTLINED IN THE REQUIREMENTS OF NFPA-13D.

H. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HYDRAULICALLY CALCULATE SPRINKLER REQUIREMENTS PER THE APPROPRIATE HAZARD OCCUPANCY AND PROVIDE ACTUAL NUMBER OF HEADS, REQUIRED SPACING AND PIPE ROUTING AS REQUIRED FOR CLEARANCE WITH STRUCTURAL CONDITIONS AND OTHER TRADES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.

I. FIRE PROTECTION CONTRACTOR SHALL DESIGN THE SYSTEM AND ROUTE PIPING AS REQUIRED FOR CONFORMANCE WITH ACTUAL BUILDING CONDITIONS AND NFPA REQUIREMENTS. COORDINATE SPRINKLER WORK WITH ALL OTHER TRADES TO AVOID CONFLICT.

J. FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING ALL SUPPORTS ARE SECURELY ANCHORED OR ATTACHED TO BUILDING ELEMENTS ADEQUATE FOR THE INTENDED FIRE PROTECTION SYSTEM OR EQUIPMENT.

K. FIRE-BARRIER PENETRATIONS: MAINTAIN INDICATED FIRE RATING OF WALLS, PARTITIONS, CEILINGS, AND FLOORS AT PIPE PENETRATIONS. SEAL PENETRATIONS WITH FIRESTOP MATERIALS. REVIEW ARCHITECTURAL PLANS PRIOR TO BIDDING.

L. SYSTEM MONITORS (SUCH AS FLOW, TAMPER SWITCHES, ETC.) SHALL BE FURNISHED AND INSTALLED BY FIRE PROTECTION CONTRACTOR. ANY ASSOCIATED CONTROL WIRING SHALL BE BY THE FIRE PROTECTION CONTRACTOR AND ANY ASSOCIATED POWER WIRING SHALL BE BY THE ELECTRICAL CONTRACTOR.

M. WATER SERVICE AND DETECTOR TYPE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER TO BE PROVIDED, INSTALLED AND TESTED BY PLUMBING CONTRACTOR. FIRE PROTECTION CONTRACTOR IS TO INCORPORATE ASSOCIATED PRESSURE DROP OF SELECTED BACKFLOW PREVENTER DEVICE IN HYDRAULIC CALCULATIONS. A DETECTOR TYPE DOUBLE CHECK BACKFLOW PREVENTER MAY BE UTILIZED WITH APPROVAL OF THE AUTHORITY HAVING JURISDICTION.

N. THE FIRE PROTECTION CONTRACTOR SHALL CLEAN WORK AREA OF DUST AND DEBRIS GENERATED BY THEIR WORK AT THE END OF EACH WORKDAY.

O. MAINTAIN A MINIMUM CLEARANCE IN FRONT OF AND FROM EITHER SIDE OF ELECTRICAL PANELS, EQUIPMENT, ETC., AS OUTLINED IN NEC STANDARDS. PIPE SYSTEMS SHALL NOT BE ROUTED DIRECTLY OVER PANELS, EQUIPMENT, ETC.

P. FIRE PROTECTION CONTRACTOR SHALL SUBMIT ONE COMPLETE SET OF AUTOMATIC SPRINKLER SYSTEM DRAWINGS, HYDRAULIC CALCULATIONS, CURRENT WATER FLOW TEST, AND THE EQUIPMENT DATA BROCHURES PREPARED BY OR UNDER THE SUPERVISION OF, AND SEALED BY, A PROFESSIONAL ENGINEER. THE SUBMITTAL SHALL BE SENT TO ENGINEER FOR APPROVAL PRIOR TO BEING RELEASED TO ALL AUTHORITIES HAVING JURISDICTION FOR REVIEW AND APPROVAL.

Q. REFER TO SPECIFICATION SECTIONS IN DIVISION 21 FOR ADDITIONAL INFORMATION PERTAINING TO THE FIRE PROTECTION SYSTEM.

THE FIRE PROTECTION DRAWING IS DESIGNED TO BE IN CONFORMANCE WITH NFPA 13D. REFER TO DRAWINGS FOR APPLICABLE NFPA CODE. IT IS A PERFORMANCE BASED DRAWING INDICATING THE EXTENT OF FIRE PROTECTION WORK FOR THE AREA THAT THIS DRAWING REPRESENTS. THIS DRAWING IS "FOR INFORMATION ONLY", AS A REFERENCE FOR THE FIRE PROTECTION CONTRACTOR TO BASE THE DESIGN OF THE FIRE PROTECTION SYSTEM ON. THE CONTRACTOR SHALL VERIFY THE EXACT CONDITIONS THAT THIS DRAWING REPRESENTS, INCLUDING ANY PERCEIVED CONCEALED SPACES, AND THE BUILDING TYPE AND CONSTRUCTION AS OUTLINED IN THE INTERNATIONAL BUILDING CODE, PRIOR TO THE START OF WORK. REFER TO THE INTERNATIONAL BUILDING CODE, ESPECIALLY CHAPTERS 6 (TYPES OF CONSTRUCTION) AND CHAPTER 9 (FIRE PROTECTION SYSTEMS), NFPA 13D, AND THE PROJECT SPECIFICATIONS FOR OTHER FIRE PROTECTION REQUIREMENTS.

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MIKE KEHOE
GOVERNOR

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WADE ROSS
NUMBER PE-2024026452
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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001 ☐	(2B)Cabin C	7815232004 ☒
Lower Dorm	7815232010 ☐	(2B)Cabin D	7815232005 ☒
Gymnasium	7815232011 ☐	(2B)Cabin E	7815232006 ☒
Game Room	7815232012 ☐	(2B)Cabin F	7815232007 ☒
Family Cabin	7815232013 ☒	(2B)Cabin G	7815232008 ☒
RR Building	7815232014 ☐	(2B)Cabin H	7815232009 ☒

#	DATE:	DESCRIPTION:

DRAWN BY: CJA
CHECKED BY: DAH
DESIGNED BY: EJG

SHEET TITLE:

GENERAL INFORMATION

SHEET NUMBER:

F-001

SHEET 166 of 219
ISSUE DATE 11/26/2025

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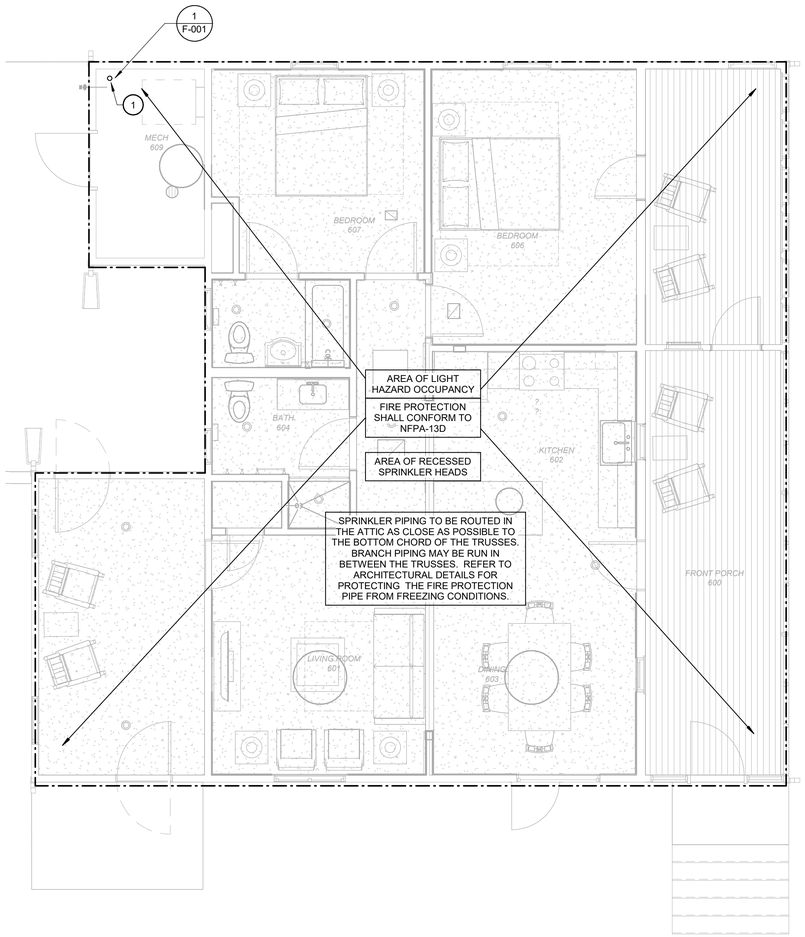
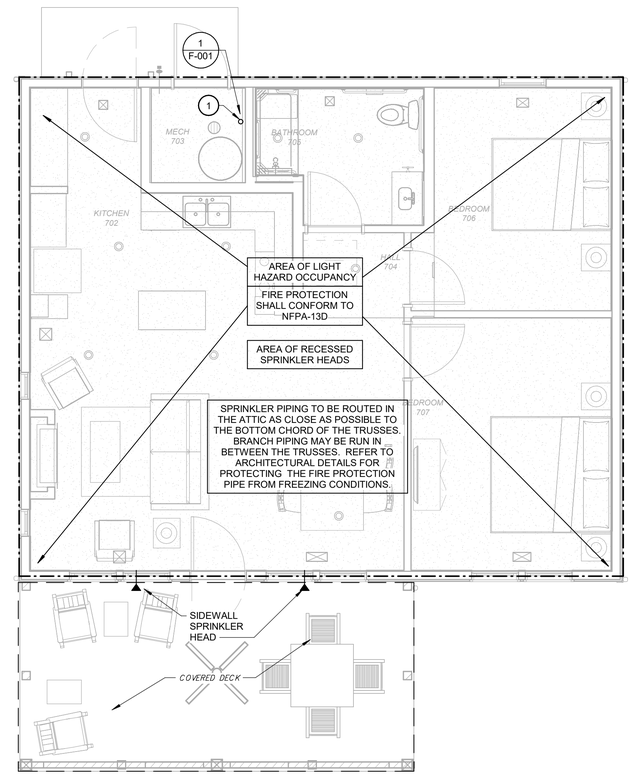


2 **FAMILY CABIN FIRST FLOOR FIRE PROTECTION PLAN - ALTERNATE #2**

SCALE: 1/4" = 1'-0"

0 2 4 8

TRUE NORTH



1 **TWO BEDROOM CABIN FIRST FLOOR FIRE PROTECTION PLAN**

SCALE: 1/4" = 1'-0"

0 2 4 8

PLAN NORTH

GENERAL NOTES

1. FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE SPRINKLER REQUIREMENTS PER THE APPROPRIATE LIGHT HAZARD OCCUPANCY AND NFPA 13D.
2. PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC. REQUIRED FOR COMPLETE AND FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE, NFPA 13D AND THE AUTHORITY HAVING JURISDICTION (AHJ).
3. THE FIRE PROTECTION CONTRACTOR SHALL DESIGN THE SYSTEM, LOCATE SPRINKLER HEADS AND ROUTE PIPING AS REQUIRED TO CONFORM WITH ACTUAL BUILDING CONDITIONS AND NFPA 13D REQUIREMENTS. COORDINATE SPRINKLER WORK WITH ALL OTHER TRADES TO AVOID CONFLICT.
4. QUALITY ASSURANCE:
   - INSTALLER QUALIFICATIONS INCLUDE DESIGNING, FABRICATING, AND INSTALLING SPRINKLER SYSTEMS AND PROVIDING PROFESSIONAL ENGINEERING SERVICES NEEDED TO ASSUME ENGINEERING RESPONSIBILITY. WELDING QUALIFICATIONS: QUALIFY PROCEDURES AND OPERATORS ACCORDING TO ASME BOILER AND PRESSURE VESSEL CODE.
   - ELECTRICAL COMPONENTS, DEVICES AND ACCESSORIES SHALL BE LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
   - NFPA STANDARDS: SPRINKLER SYSTEM EQUIPMENT, SPECIALTIES, ACCESSORIES, INSTALLATION AND TESTING SHALL COMPLY WITH NFPA 13 "INSTALLATION OF SPRINKLER SYSTEMS".
5. FIRE PROTECTION PIPING JOINTS AND FITTINGS: AS LISTED IN NFPA 13D, CHAPTER 5 AND APPROVED BY LOCAL AHJ.
6. LISTED FIRE PROTECTION VALVES:
   - GENERAL REQUIREMENTS: VALVES SHALL BE UL LISTED OR FM APPROVED FOR A MINIMUM PRESSURE RATING FOR STANDARD PRESSURE PIPING OF 175 PSIG.
7. SPRINKLERS: RESIDENTIAL STYLE SPRINKLERS.

KEYNOTES (#)

1 2" VERTICAL BACKFLOW PREVENTER FOR THE FIRE PROTECTION SERVICE FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR.

THE FIRE PROTECTION DRAWING IS DESIGNED TO BE IN CONFORMANCE WITH NFPA 13D. REFER TO DRAWINGS FOR APPLICABLE NFPA CODE. IT IS A PERFORMANCE BASED DRAWING INDICATING THE EXTENT OF FIRE PROTECTION WORK FOR THE AREA THAT THIS DRAWING REPRESENTS. THIS DRAWING IS "FOR INFORMATION ONLY", AS A REFERENCE FOR THE FIRE PROTECTION CONTRACTOR TO BASE THE DESIGN OF THE FIRE PROTECTION SYSTEM ON. THE CONTRACTOR SHALL VERIFY THE EXACT CONDITIONS THAT THIS DRAWING REPRESENTS, INCLUDING ANY PERCEIVED CONCEALED SPACES, AND THE BUILDING TYPE AND CONSTRUCTION AS OUTLINED IN THE INTERNATIONAL BUILDING CODE, PRIOR TO THE START OF WORK. REFER TO THE INTERNATIONAL BUILDING CODE, ESPECIALLY CHAPTERS 6 (TYPES OF CONSTRUCTION) AND CHAPTER 9 (FIRE PROTECTION SYSTEMS), NFPA 13D, AND THE PROJECT SPECIFICATIONS FOR OTHER FIRE PROTECTION REQUIREMENTS.

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#	DATE:	DESCRIPTION:

DRAWN BY: CJA
CHECKED BY: DAH
DESIGNED BY: EJG

SHEET TITLE:

TWO BEDROOM CABIN & FAMILY CABIN FIRE PROTECTION PLANS

SHEET NUMBER:

F-101

SHEET 167 of 219
ISSUE DATE 11/26/2025

11/25/2025 11:23:08 AM

SYMBOLS LEGEND

NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS

PIPING

- PIPE SLOPE ARROW
- FLOW ARROW
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- 3-WAY CONTROL VALVE
- ANGLE GATE VALVE
- ANGLE GLOBE VALVE
- BALANCING/SHUTOFF VALVE
- BALL VALVE
- BUTTERFLY VALVE
- CALIBRATED BALANCING VALVE
- CHECK VALVE
- CONTROL VALVE
- EXPANSION VALVE
- GAS COCK
- GATE VALVE
- GLOBE VALVE
- PLUG VALVE
- PRESSURE REDUCING VALVE (WATER)
- PRESSURE REGULATOR (GAS)
- QUICK OPEN VALVE
- SAFETY RELIEF VALVE
- SOLENOID VALVE
- VACUUM RELIEF VALVE
- BACKFLOW PREVENTER
- HOSE BIBB / SILLCOCK
- AUTOMATIC AIR VENT
- PRESSURE GAUGE
- THERMOMETER
- (F) FLOW SWITCH
- (P) PRESSURE SWITCH
- (T) TEMPERATURE SWITCH
- PIPE UNION
- WYE STRAINER
- WYE STRAINER W/DRAIN VALVE
- PUMP
- OR FLOOR DRAIN - ROUND OR SQUARE
- OR FLOOR CLEANOUT - ROUND OR SQUARE
- CO SUSPENDED CLEANOUT
- WCO WALL CLEANOUT
- PIPE CAP
- PIPE TURNING DOWN
- PIPE TURNING UP
- TEE UP
- TEE DOWN
- DROP AND RUN
- DROP AND TURN
- TEE OFF TOP
- TEE OFF BOTTOM
- CROSS AND RISER
- PLAN 90° ELBOW
- PIPE TEE
- FLEXIBLE PIPE CONNECTOR
- PIPE ANCHOR
- PIPE GUIDES
- (M) WATER METER

GENERAL

- ## / # DETAIL OR SECTION MARK — DETAIL # — SHEET #
- POINT OF NEW CONNECTION
- POINT OF TERMINATION/CAP
- L1 PLUMBING EQUIPMENT DESIGNATION
- # PLUMBING KEYNOTE
- K22 KITCHEN EQUIPMENT DESIGNATION
- NEW BOLD TEXT INDICATES NEW ITEM
- *EXISTING* ITALIC TEXT INDICATES EXISTING ITEM
- LINE STYLE INDICATES DEMOLISHED ITEM

PIPING SYSTEM

———	AW	ACID WASTE
	CA	COMPRESSED AIR
	CD	CONDENSATE DRAIN
	CO2	CARBON DIOXIDE
	G	NATURAL GAS
	GW	GREASE WASTE
	MA	MEDICAL AIR
	N2	NITROGEN
	N2O	NITROUS OXIDE
	OST	OVERFLOW STORM
	OW	OIL WASTE
	O2	OXYGEN
	PD	PUMP DISCHARGE
	ST	STORM
	VAC	VACUUM
	WAGD	WASTE ANESTHETIC GAS DISPOSAL
	W	SANITARY WASTE
— — —	AV	ACID VENT
	OV	OIL VENT
	V	SANITARY VENT
——-——	CW	DOMESTIC COLD WATER
	DI	DE-IONIZED WATER
	FCW	FILTERED COLD WATER
	LCW	LAB COLD WATER
	NPCW	NONPOTABLE COLD WATER
	RO	REVERSE OSMOSIS WATER
	SCW	SOFTENED COLD WATER
——-·——	HW	DOMESTIC HOT WATER
	HW (---)	DOMESTIC HOT WATER (OTHER TEMP)
	LHW	LAB HOT WATER
	TW	TEPID WATER
——-·-·——	HWC	DOMESTIC HW RECIRCULATION
	LHWC	LAB HW RECIRCULATION

ABBREVIATIONS

AC	ABOVE CEILING
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
BAS	BUILDING AUTOMATION SYSTEM
BF	BELOW FLOOR
BG	BELOW GRADE
BH	BOOSTER HEATER
BFP	BACKFLOW PREVENTION DEVICE
BJ	BETWEEN JOISTS
BOP	BOTTOM OF PIPE
BTUH	BRITISH THERMAL UNITS PER HOUR
CF	COMBINATION FIXTURE
COND	CONDENSATE
CP	CONDENSATE PUMP
CSS	CLINICAL SERVICE SINK
CV	CONTROL VALVE
DF	DRINKING FOUNTAIN
DN	DOWN
DS	DOWNSPOUT NOZZLE
DW	DISHWASHER
EC	ELECTRICAL CONTRACTOR
EEW	EMERGENCY EYE WASH
ESH	COMB. EMERGENCY EYE WASH/SHOWER
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FA	FROM ABOVE
FB	FROM BELOW
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FPC	FIRE PROTECTION SUBCONTRACTOR
FS	FLOOR SINK
FT	FILL TANK
GD	GARBAGE DISPOSAL
GPM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
GC	GENERAL CONTRACTOR
HAP	HIGH AS POSSIBLE
HB	HOSE BIBB (INTERIOR)
HS	HOSE STATION
HWCP	HOT WATER RECIRCULATION PUMP
IM	ICE MAKER
L	LAVATORY
LT	LAUNDRY TUB
MBH	THOUSANDS OF BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MSB	MOP SINK BASIN
NTS	NOT TO SCALE
ORD	OVERFLOW ROOF DRAIN
P	PUMP
PC	PLUMBING CONTRACTOR
PRV	PRESSURE RELIEF VALVE
RD	ROOF DRAIN
SC	SILLCOCK (EXTERIOR)
SE	SEWAGE EJECTOR
SF	SQUARE FOOT
SH	SHOWER
SK	SINK
SP	SUMP PUMP
SS	SERVICE SINK
TFA	TO FLOOR ABOVE
TB	TO BELOW
TFB	TO FLOOR BELOW
TMV	THERMOSTATIC MIXING VALVE
TOP	TOP OF PIPE
UR	URINAL
VB	VACUUM BREAKER
VTR	VENT THRU ROOF
WB	WASHER BOX
WC	WATER CLOSET
WCO	WALL CLEANOUT
WF	WASH FOUNTAIN
WFL	WATER FILTER
WS	WATER SOFTENER
YCO	YARD CLEANOUT

GENERAL NOTES

COMMON REQUIREMENTS

A. WORK SHALL BE PERFORMED BY A LICENSED PLUMBER OF THE STATE OF MISSOURI.

B. MATERIALS, INSTALLATION AND TESTING SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF STATE AND LOCAL CODE PROCEDURES, METHODS AND REQUIREMENTS, INCLUDING THE MOST STRINGENT OF HEALTH AND SAFETY STANDARDS AS REQUIRED AND AS INTERPRETED BY THE AUTHORITY HAVING JURISDICTION. APPLICABLE CODES AND STANDARDS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
"INTERNATIONAL PLUMBING CODE"
"UNIFORM PLUMBING CODE"
"INTERNATIONAL FUEL GAS CODE"
"NFPA 54 - NATIONAL FUEL GAS CODE"
APPLICABLE LOCAL AND MUNICIPAL CODES AND ORDINANCES.

C. MEANING AND INTENT OF DRAWINGS: DRAWINGS ARE DIAGRAMMATIC AND PLUMBING SYSTEMS ARE SHOWN IN SCHEMATIC FORM. DRAWINGS DO NOT SHOW EVERY PLUMBING SYSTEM COMPONENT AND SHOULD BE FOLLOWED AS CLOSELY AS CIRCUMSTANCES WILL PERMIT. PLUMBING SYSTEM INSTALLATIONS RELATED TO THIS PROJECT SHALL BE PROVIDED TO MEET THE INTENT AND MEANING OF THE DRAWINGS IN COMPLIANCE WITH APPLICABLE CODES, AND STANDARDS. WHERE APPLICABLE THE PLUMBING CONTRACTOR SHALL FIELD VERIFY CONDITIONS PRIOR TO INSTALLATION. REPORT ANY QUESTIONS, OR CONCERNS TO THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH WORK. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. MINOR CHANGES IN LOCATIONS OF PLUMBING EQUIPMENT, &/OR SYSTEMS FROM THOSE INDICATED ON DRAWINGS SHALL BE MADE WITHOUT EXTRA COST. A COMPLETE AND OPERATIONAL PLUMBING SYSTEM SHALL BE PROVIDED.

D. THE PLUMBING CONTRACTOR SHALL REFER TO BOTH DRAWINGS AND SPECIFICATIONS FOR ALL PLUMBING CRITERIA REQUIRED FOR THIS PROJECT.

E. PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL PLUMBING UTILITY SERVICES FROM 5'-0" OUTSIDE BUILDING FOUNDATION WALL TO WITHIN THE BUILDING UNLESS NOTED OTHERWISE ON PLANS. SEE CIVIL SITE UTILITY PLANS FOR RELATED SITE UTILITY WORK BY OTHERS.

F. COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES AND STRUCTURAL CONDITIONS TO AVOID ANY ROUTING CONFLICTS OR SERVICE INTERFERENCES.

G. MAINTAIN A MINIMUM CLEARANCE IN FRONT OF AND FROM EITHER SIDE OF ELECTRICAL PANELS, EQUIPMENT, ETC., AS OUTLINED IN NEC STANDARDS. PIPE SYSTEMS SHALL NOT BE ROUTED DIRECTLY OVER PANELS, EQUIPMENT, ETC.

H. INCLUDE IN BID, ALL LICENSE, PERMIT, INSPECTION AND OTHER FEES REQUIRED BY AUTHORITIES HAVING JURISDICTION REQUIRED FOR COMPLETION OF WORK SO THAT NO UNEXPECTED ADDITIONAL EXPENSES ARE INTRODUCED TO OWNER.

I. ALL VALVES, WATER HAMMER ARRESTORS, ETC. ARE TO BE ACCESSIBLE. EXTEND PIPING AND COORDINATE ACCESS PANEL SIZE AND LOCATION AS NECESSARY.

J. PLUMBING CONTRACTOR SHALL CLEAN WORK AREA OF ALL DUST AND DEBRIS GENERATED BY THEIR WORK AT THE END OF EACH WORK DAY.

K. ALL PLUMBING SYSTEM VALVES SHALL BE INSTALLED IN A LOCATION AND ORIENTATION THAT WILL PERMIT INTENDED USE.

L. PROVIDE STOPS AND/OR ISOLATION VALVES TO EACH INDIVIDUAL FIXTURE OR PIECE OF EQUIPMENT PER APPLICABLE CODES TO ALLOW FOR INDIVIDUAL SERVICING UNLESS NOTED OTHERWISE ON PLANS.

M. SANITARY WASTE PIPING SHALL BE SLOPED AT 1/8-INCH PER FOOT MINIMUM FOR ALL PIPING 4-INCH AND LARGER AND AT 1/4-INCH PER FOOT MINIMUM FOR ALL PIPING 3-INCH AND SMALLER.

N. INDIRECT DRAIN PIPING FROM EQUIPMENT SHALL BE ROUTED TO FLOOR DRAIN OR OTHER APPROVED RECEPTACLE AND TERMINATED WITH AN AIR GAP 2 TIMES THE DIAMETER OF THE DRAIN PIPING, BUT NOT LESS THAN 1 INCH GAP. SUPPORT PIPING SO DRAIN PIPING CANNOT BE DEFLECTED FROM DRAIN SOURCE.

O. ALL VENTS FROM HORIZONTAL SOIL OR WASTE PIPE SHALL COME OFF TOP OR AT 45 DEGREE VERTICALLY FROM CENTER OF PIPE BEFORE OFFSETTING HORIZONTALLY TO RISER.

P. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING ALL SUPPORTS ARE SECURELY ANCHORED OR ATTACHED TO BUILDING ELEMENTS ADEQUATE FOR INTENDED PLUMBING SYSTEM OR EQUIPMENT.

Q. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL NAIL PLATES WHERE PIPING PASSES THROUGH STUD(S) WITHIN 2" OF NAILING SURFACE TO PROTECT PIPE FROM NAILS OR DRYWALL SCREWS.

R. ALL P-TRAPS FOR FLOOR DRAINS SHALL BE DEEP SEAL TYPE. TRAPS SHALL MAINTAIN THE SEWER GAS SEALS.

S. PLUMBING CONTRACTOR TO INSTALL, TEST, AND FIELD BALANCE APPROVED EQUIPMENT PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.

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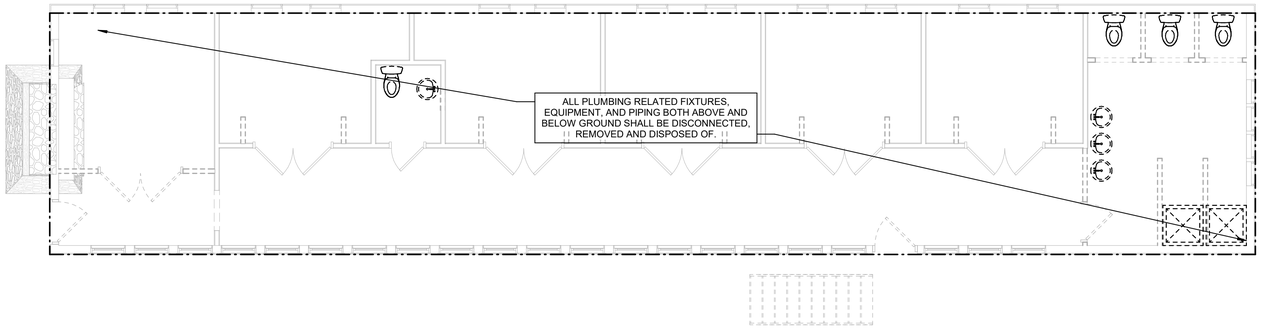
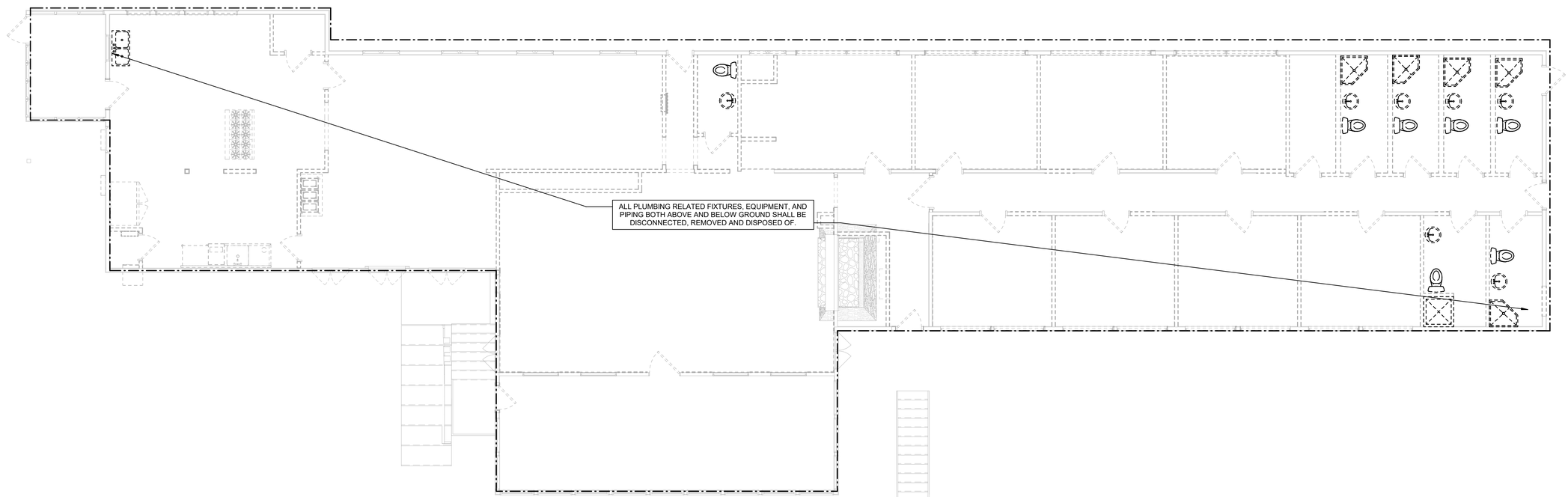


2 **LOWER DORM FIRST FLOOR PLUMBING DEMOLITION PLAN - ALTERNATE #1**
SCALE: 3/16" = 1'-0"

0 2 4 8

TRUE NORTH



1 **LODGE FIRST FLOOR PLUMBING DEMOLITION PLAN**
SCALE: 3/16" = 1'-0"

0 2 4 8

TRUE NORTH

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FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: CJA
CHECKED BY: DAH
DESIGNED BY: EJG

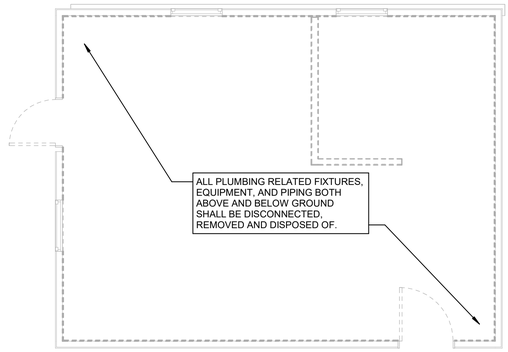
SHEET TITLE:

LODGE & LOWER DORM FIRST FLOOR PLUMBING DEMOLITION PLAN

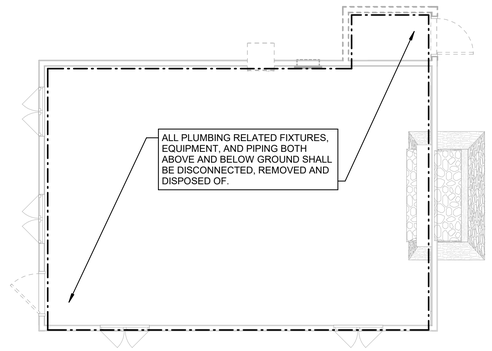
SHEET NUMBER:

PD-101

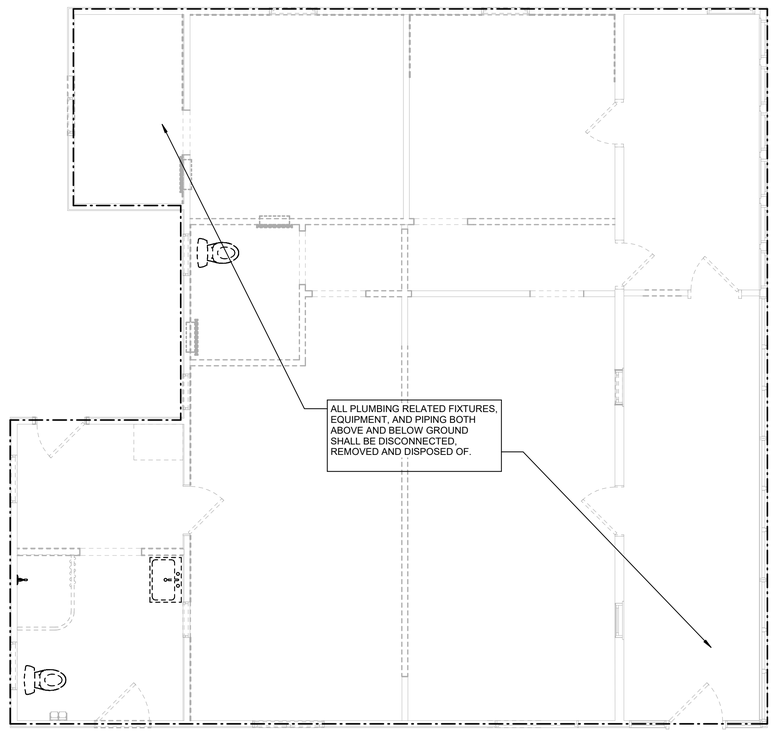
SHEET 169 of 219
ISSUE DATE 11/26/2025



3 **RESTROOM FIRST FLOOR PLUMBING DEMOLITION PLAN**
SCALE: 1/4" = 1'-0"



2 **GAME ROOM FIRST FLOOR PLUMBING DEMOLITION PLAN - ALTERNATE #3**
SCALE: 3/16" = 1'-0"



1 **FAMILY CABIN FIRST FLOOR PLUMBING DEMOLITION PLAN - ALTERNATE #2**
SCALE: 1/4" = 1'-0"

11/25/2025 11:23:10 AM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WADE ROSS
NUMBER PE-2024026452
PROFESSIONAL ENGINEER
11.26.2025
Exp. 12.31.2026

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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☒	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: CJA
CHECKED BY: DAH
DESIGNED BY: EJG

SHEET TITLE:

FAMILY CABIN, GAME ROOM, & RESTROOM PLUMBING DEMOLITION PLANS

SHEET NUMBER:

PD-102

SHEET 170 of 219
ISSUE DATE 11/26/2025

KEYNOTES (#)

1 4" SANITARY WASTE BELOW GRADE. SEE CIVIL DRAWINGS FOR CONTINUATION.

2 2" DOMESTIC WATER SERVICE BELOW GRADE. SEE CIVIL DRAWINGS FOR CONTINUATION.

3 LP GAS BELOW GRADE. SEE CIVIL DRAWINGS FOR CONTINUATION.

4 3" FLUE AND COMBUSTION INTAKE FOR GAS WATER HEATERS.

5 4" UP TO FLOOR CLEANOUT.

6 3/4"LP GAS UP TO RANGE/OVEN.

7 3/4"LP GAS UP TO FIREPLACE.

8 3/4"LP GAS DOWN TO FURNACE (84 CFH PROJECTED LOAD).

9 3/4"LP GAS DOWN TO FURNACE (112 CFH PROJECTED LOAD).

10 3/4"LP GAS DOWN TO WATER HEATER (100 CFH PROJECTED LOAD).

11 1/2"HW, 1/2"CW, AND 1 1/2"W UP TO LAVATORY.

12 1/2"HW, 1/2"CW, AND 2"W UP TO LAVATORIES.

13 1/2"HW, 1/2"CW, AND 2"W UP TO SHOWER, 1 1/2" VENT UP.

14 1/2"CW, AND 4"W UP TO WATER CLOSET, 2" VENT UP.

15 2" VENT UP.

16 2" UP TO FLOOR DRAIN.

17 3/4"CW UP TO SILLCOCK.

18 3/4"HW AND CW UP.

19 3" UP TO MOP SINK BASIN.

20 3" VENT UP.

21 2" UP TO LAVATORIES.

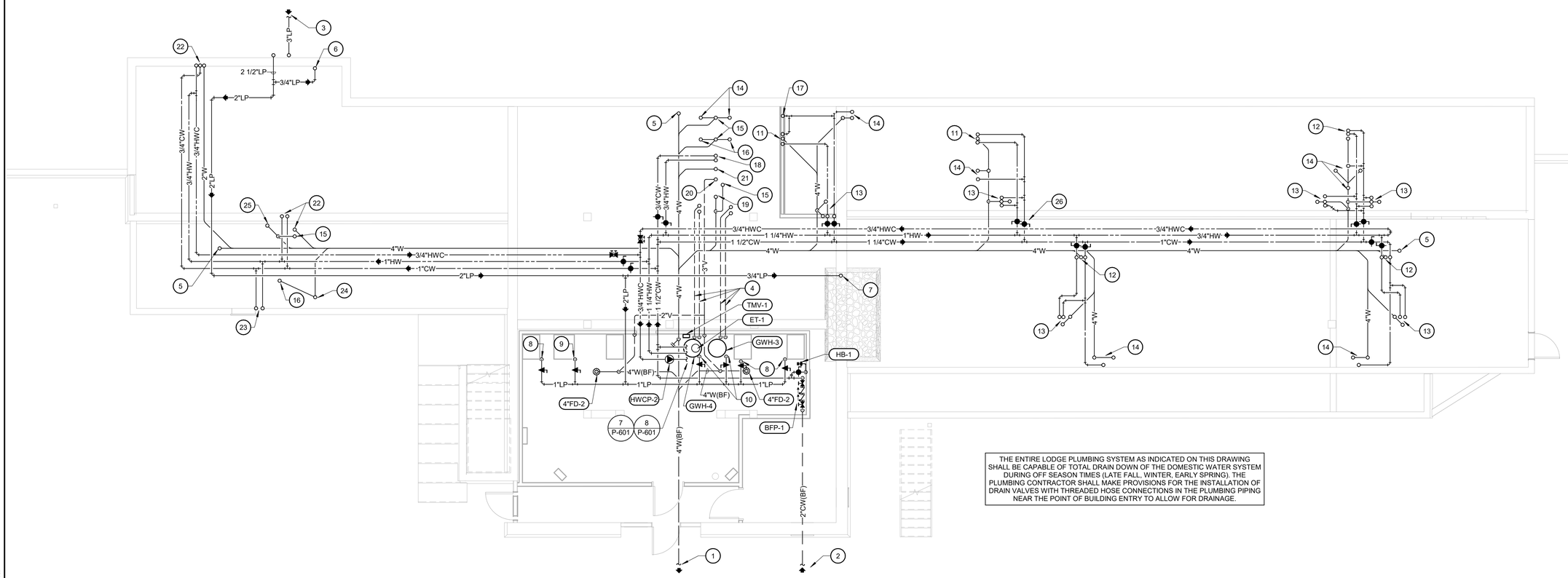
22 3/4"HW, 3/4"CW, AND 2"W UP TO SINK.

23 3/4"HW AND 3/4"CW UP TO SINK.

24 4" WASTE UP.

25 4" WASTE UP TO FLOOR SINK.

26 3/4"CW AND 1/2"HW BRANCH TAKEOFFS (TYPICAL).



THE ENTIRE LODGE PLUMBING SYSTEM AS INDICATED ON THIS DRAWING SHALL BE CAPABLE OF TOTAL DRAIN DOWN OF THE DOMESTIC WATER SYSTEM DURING OFF SEASON TIMES (LATE FALL, WINTER, EARLY SPRING). THE PLUMBING CONTRACTOR SHALL MAKE PROVISIONS FOR THE INSTALLATION OF DRAIN VALVES WITH THREADED HOSE CONNECTIONS IN THE PLUMBING PIPING NEAR THE POINT OF BUILDING ENTRY TO ALLOW FOR DRAINAGE.

1 **LODGE BASEMENT PLUMBING PLAN**
SCALE: 3/16" = 1'-0"

0 2 4 8

TRUE NORTH

11/25/2025 11:20:11 AM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WADE ROSS
NUMBER PE-2024026452
PROFESSIONAL ENGINEER
11.26.2025
Exp. 12.31.2026

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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232000	☒	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: CJA
CHECKED BY: DAH
DESIGNED BY: EJG

SHEET TITLE:

LODGE BASEMENT PLUMBING PLAN

SHEET NUMBER:

P-101

SHEET 171 of 219
ISSUE DATE 11/26/2025

KEYNOTES (#)

1 UP TO 4" VENT THROUGH ROOF.

2 PROVIDE 1/2" HOT WATER PIPING WITH SHUTOFF VALVE ROUTED THROUGH CASEWORK AND CONNECT TO DISHWASHER. PROVIDE SANITARY DRAIN HOSE FROM DISHWASHER AND CONNECT TO AIR GAP FITTING IN HOLE ON SINK. EXTEND DRAIN HOSE TO TAILPIECE.

3 3/4" LP GAS FROM BELOW TO RANGE/OVEN (203 CFH PROJECTED LOAD).

4 PROVIDE 1/2" COLD WATER SUPPLY TO COUNTERTOP COFFEE MAKER THROUGH A DUAL CHECK VALVE.

5 3/4" LP GAS DOWN TO FIREPLACE UNIT. PROVIDE SHUTOFF VALVE AND CONNECT GAS PIPING PER MANUFACTURE'S WRITTEN INSTRUCTIONS (35 CFH PROJECTED LOAD).

6 CONCENTRIC WATER HEATER FLUE UP THROUGH ROOF. INSTALL PER WATER HEATER MANUFACTURER'S WRITTEN INSTRUCTIONS.

7 SHUTOFF VALVE FOR LP GAS SERVICE.

8 SOLENOID VALVE PROVIDED BY OTHERS TO BE INSTALLED BY PC AND WIRED BY EC TO MANUAL PULL STATION.

9 2" VENT DOWN.

10 3" VENT DOWN.

11 3/4"HW AND CW FROM BELOW. ROUTE THROUGH WALL TO FIXTURES.

12 1/2"HW AND CW FROM BELOW AND 1 1/2"V DOWN TO LAVATORY.

13 1/2"HW AND CW FROM BELOW AND 1 1/2"V DOWN TO SHOWER.

14 1/2"CW FROM BELOW AND 2"V DOWN TO WATER CLOSET.

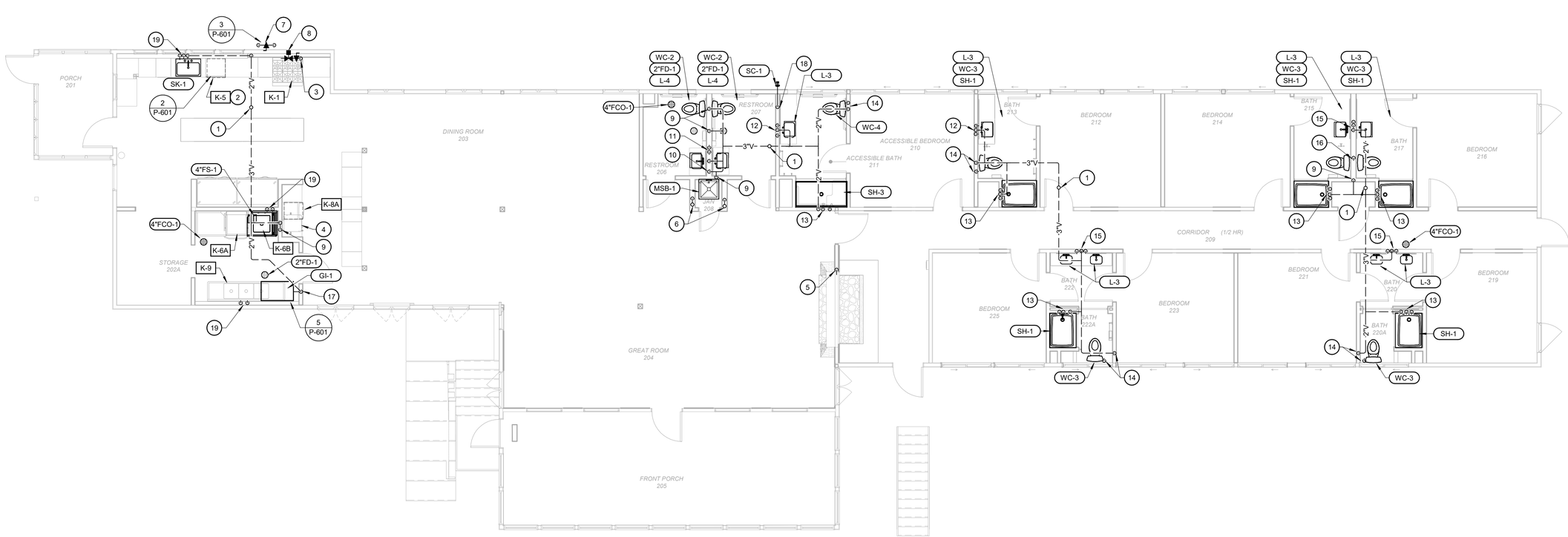
15 1/2"HW AND CW FROM BELOW AND 2"V DOWN TO LAVATORIES.

16 3/4"CW FROM BELOW TO WATER CLOSETS.

17 4" WASTE DOWN.

18 3/4"CW FROM BELOW TO SILLCOCK.

19 3/4"HW AND CW FROM BELOW TO SINK.



1 **LODGE FIRST FLOOR PLUMBING PLAN**
SCALE: 3/16" = 1'-0"

0 2 4 8

TRUE NORTH

11/26/2025 11:23:11 AM

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MIKE KEHOE
GOVERNOR

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☐
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Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: CJA
CHECKED BY: DAH
DESIGNED BY: EJG

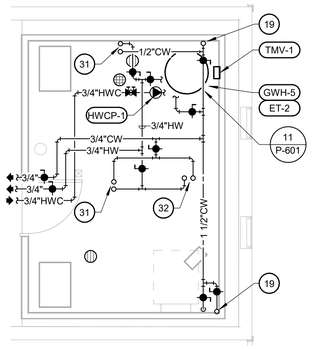
SHEET TITLE:

LODGE FIRST FLOOR PLUMBING PLAN

SHEET NUMBER:

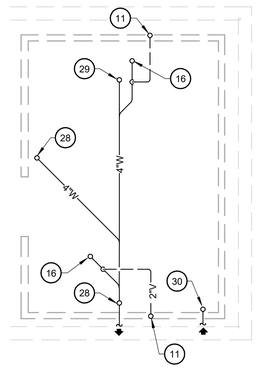
P-102

SHEET 172 of 219
ISSUE DATE 11/26/2025



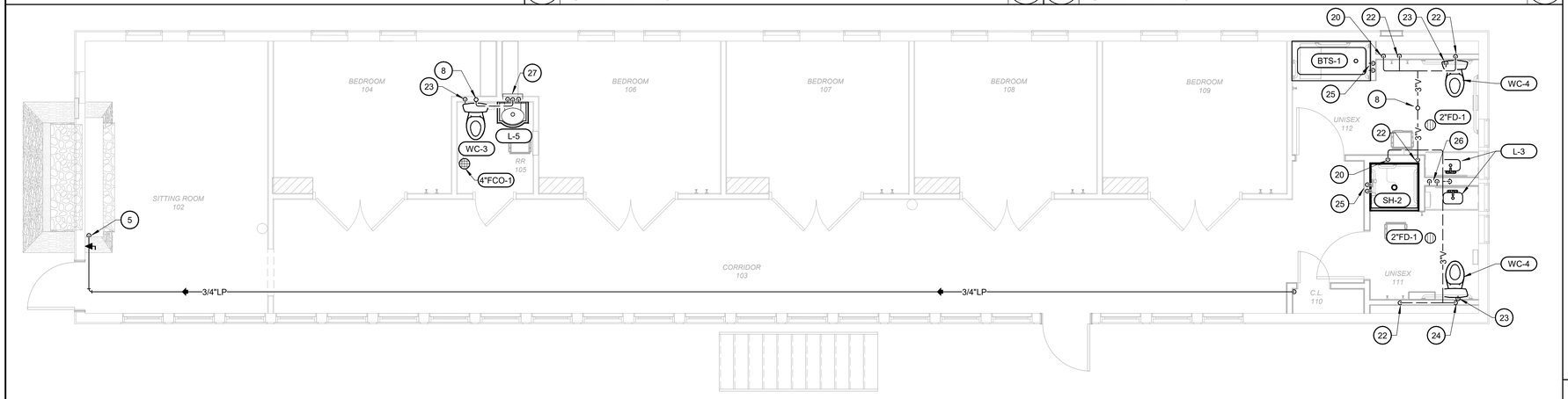
4 BASEMENT MECH ROOM DOMESTIC WATER PLAN - ALTERNATE #1

SCALE: 1/4" = 1'-0"



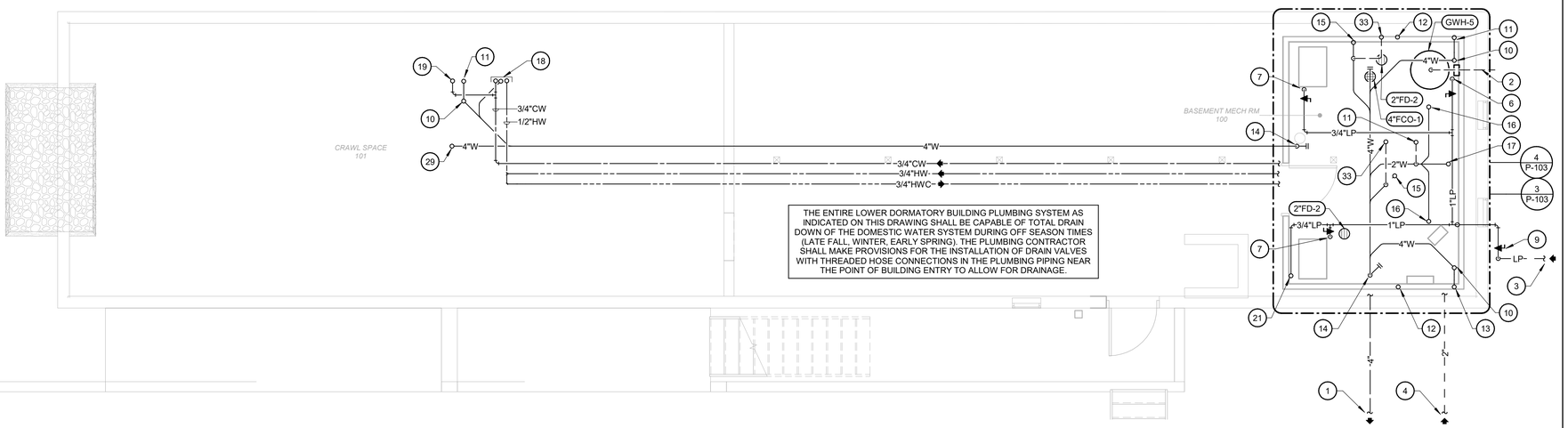
3 BASEMENT MECH ROOM UNDERFLOOR PLUMBING PLAN - ALTERNATE #1

SCALE: 1/4" = 1'-0"



2 LOWER DORM FIRST FLOOR PLUMBING PLAN - ALTERNATE #1

SCALE: 1/4" = 1'-0"



THE ENTIRE LOWER DORMATORY BUILDING PLUMBING SYSTEM AS INDICATED ON THIS DRAWING SHALL BE CAPABLE OF TOTAL DRAIN DOWN OF THE DOMESTIC WATER SYSTEM DURING OFF SEASON TIMES (LATE FALL, WINTER, EARLY SPRING). THE PLUMBING CONTRACTOR SHALL MAKE PROVISIONS FOR THE INSTALLATION OF DRAIN VALVES WITH THREADED HOSE CONNECTIONS IN THE PLUMBING PIPING NEAR THE POINT OF BUILDING ENTRY TO ALLOW FOR DRAINAGE.

1 LOWER DORM BASEMENT PLUMBING PLAN - ALTERNATE #1

SCALE: 1/4" = 1'-0"

11/25/2025 11:23:12 AM

KEYNOTES (#)

1 4" SANITARY WASTE BELOW GRADE. SEE CIVIL DRAWINGS FOR CONTINUATION.

2 6" CONCENTRIC FLUE AND COMBUSTION INTAKE FOR WATER HEATER. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

3 LP GAS BELOW GRADE. SEE CIVIL DRAWINGS FOR CONTINUATION.

4 2" DOMESTIC WATER SERVICE BELOW GRADE. SEE CIVIL DRAWINGS FOR CONTINUATION.

5 3/4" LP GAS DOWN TO FIREPLACE UNIT. PROVIDE SHUTOFF VALVE AND CONNECT GAS PIPING PER MANUFACTURE'S WRITTEN INSTRUCTIONS (35 CFH PROJECTED LOAD).

6 3/4"LP GAS TO WATER HEATER (38 CFH PROJECTED LOAD).

7 3/4"LP GAS TO FURNACE (84 CFH PROJECTED LOAD).

8 UP TO 4" VENT THROUGH ROOF.

9 SHUTOFF VALVE FOR LP GAS SERVICE.

10 4" UP TO WATER CLOSET.

11 2" VENT UP.

12 2" VENT UP/DOWN.

13 3" VENT UP.

14 4" WASTE DOWN.

15 2" UP TO BATHTUB/SHOWER.

16 2" UP TO FLOOR DRAIN.

17 2" UP TO LAVATORIES.

18 1 1/2" WASTE, 1/2" HOT AND COLD WATER UP TO LAVATORY.

19 3/4" COLD WATER UP TO WATER CLOSET.

20 1 1/2" VENT DOWN.

21 3/4"LP UP.

22 2" VENT DOWN.

23 3/4" COLD WATER FROM BELOW TO WATER CLOSET.

24 3" VENT DOWN.

25 1/2" HOT AND COLD WATER FROM BELOW TO BATHTUB/SHOWER.

26 1/2" HOT AND COLD WATER FROM BELOW TO LAVATORIES.

27 1/2" HOT AND COLD WATER FROM BELOW AND 1 1/2" VENT DOWN TO LAVATORY.

28 4" WASTE UP.

29 4" UP TO FLOOR CLEANOUT.

30 2" WATER SERVICE UP.

31 1/2" HOT AND COLD WATER UP TO SHOWER.

32 1/2" HOT AND COLD WATER UP TO LAVATORIES.

33 1 1/2" VENT UP.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WADE ROSS NUMBER PE-2024026452
PROFESSIONAL ENGINEER

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: CJA
CHECKED BY: DAH
DESIGNED BY: EJG

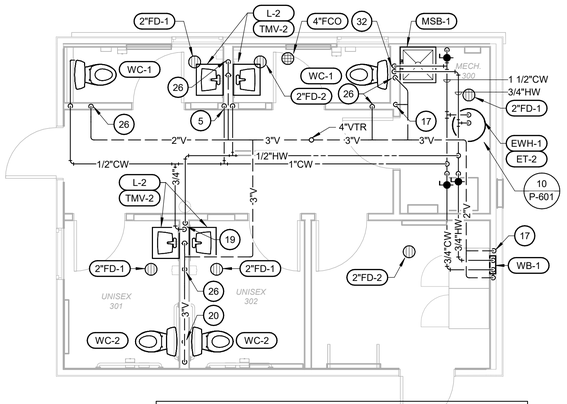
SHEET TITLE:

LOWER DORM PLUMBING PLANS - ALTERNATE #1

SHEET NUMBER:

P-103

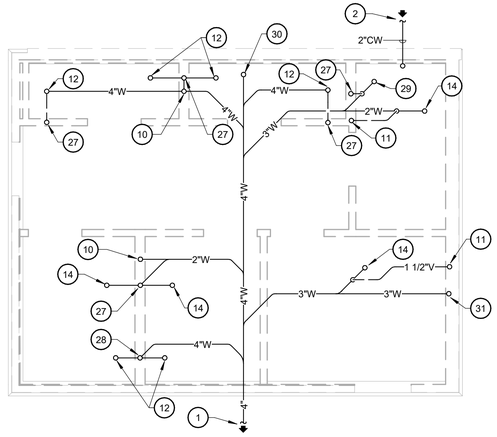
SHEET 173 of 219
ISSUE DATE 11/26/2025



THE ENTIRE RESTROOM BUILDING AS INDICATED ON THIS DRAWING SHALL BE CAPABLE OF TOTAL DRAIN DOWN OF THE DOMESTIC WATER SYSTEM DURING OFF SEASON TIMES (LATE FALL, WINTER, EARLY SPRING). THE PLUMBING CONTRACTOR SHALL MAKE PROVISIONS FOR THE INSTALLATION OF DRAIN VALVES WITH THREADED HOSE CONNECTIONS IN THE PLUMBING PIPING NEAR THE POINT OF ENTRY TO ALLOW FOR DRAINAGE.

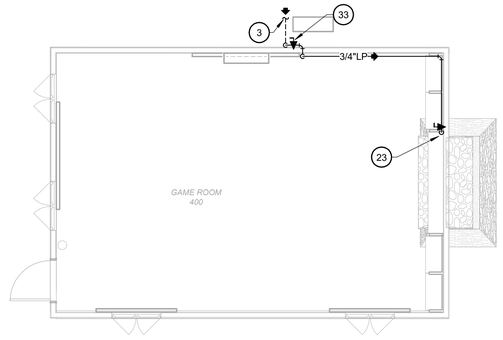
5 RESTROOM FIRST FLOOR PLUMBING PLAN

SCALE: 1/4" = 1'-0"



4 RESTROOM UNDERFLOOR PLUMBING PLAN

SCALE: 1/4" = 1'-0"



3 GAME ROOM FIRST FLOOR PLUMBING PLAN - ALTERNATE #3

SCALE: 3/16" = 1'-0"

2 FAMILY CABIN FIRST FLOOR PLUMBING PLAN - ALTERNATE #2

SCALE: 1/4" = 1'-0"

1 FAMILY CABIN CRAWLSPACE PLUMBING PLAN - ALTERNATE #2

SCALE: 1/4" = 1'-0"

11/26/2025 11:53:12 AM

KEYNOTES (#)

1 4" SANITARY SERVICE. COORDINATE INVERT AND EXACT LOCATION WITH SITE UTILITIES PLAN. SEE CIVIL DRAWINGS FOR CONTINUATION.

2 2" DOMESTIC WATER SERVICE BELOW GRADE. SEE CIVIL DRAWINGS FOR CONTINUATION.

3 LP GAS SERVICE. COORDINATE EXACT LOCATION WITH SITE UTILITIES PLAN. SEE CIVIL DRAWINGS FOR CONTINUATION.

4 2" COMBINED WATER SERVICE. COORDINATE EXACT LOCATION WITH SITE UTILITIES PLAN. SEE CIVIL DRAWINGS FOR CONTINUATION.

5 1/2" HOT AND COLD WATER DOWN IN WALL. EXTEND TO LAVATORIES.

6 PROVIDE 2" VERTICAL BACKFLOW PREVENTER FOR THE FIRE PROTECTION SERVICE AND INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND LOCAL AHJ REQUIREMENTS.

7 1/2" HOT AND COLD WATER DOWN. ROUTE THROUGH CASEWORK TO SINK.

8 PROVIDE 1/2" HOT WATER PIPING WITH SHUTOFF VALVE ROUTED THROUGH CASEWORK AND CONNECT TO DISHWASHER. PROVIDE SANITARY DRAIN HOSE FROM DISHWASHER AND CONNECT TO AIR GAP FITTING IN HOLE ON SINK. EXTEND DRAIN HOSE TO TAILPIECE.

9 2" UP TO SINK.

10 2" UP TO LAVATORIES.

11 1 1/2" VENT UP.

12 4" UP TO WATER CLOSET.

13 2" UP TO BATHTUB/SHOWER.

14 2" UP TO FLOOR DRAIN.

15 2" UP TO SHOWER.

16 4" UP TO WALL CLEANOUT.

17 1 1/2" VENT DOWN.

18 1 1/2" VENT, 1/2" HOT AND COLD WATER DOWN TO BATHTUB/SHOWER.

19 1/2" HOT AND 3/4" COLD WATER DOWN IN WALL. EXTEND TO EACH PLUMBING FIXTURE REQUIRING HOT AND COLD WATER.

20 3" VENT DOWN.

21 MOUNT SILLCOCK AT 1'-6" ABOVE GRADE.

22 INSTALL MIXING VALVE AND ASSOCIATED PIPING PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND MOUNT AT 5'-0" AFF.

23 3/4" LP GAS DOWN TO FIREPLACE UNIT. PROVIDE SHUTOFF VALVE AND CONNECT GAS PIPING PER MANUFACTURE'S WRITTEN INSTRUCTIONS (35 CFH PROJECTED LOAD).

24 3/4" LP GAS DOWN TO WATER HEATER (38 CFH PROJECTED LOAD).

25 3/4" LP GAS DOWN TO FURNACE (84 CFH PROJECTED LOAD).

26 2" VENT DOWN.

27 2" VENT UP.

28 3" VENT UP.

29 3" UP TO MOP SINK BASIN.

30 4" UP TO FLOOR CLEANOUT.

31 2" UP TO WASHER BOX.

32 3/4" HOT AND COLD WATER DOWN IN WALL. EXTEND TO EACH PLUMBING FIXTURE REQUIRING HOT AND COLD WATER.

33 SHUTOFF VALVE FOR LP GAS SERVICE.

34 6" CONCENTRIC FLUE AND COMBUSTION INTAKE FOR WATER HEATER. INSTALL AS HIGH AS POSSIBLE AND PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

STATE OF MISSOURI
MIKE KEHOE
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WADE ROSS
NUMBER PE-2024026452
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11.26.2025
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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
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Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: CJA
CHECKED BY: DAH
DESIGNED BY: EJG

SHEET TITLE:

FAMILY CABIN, GAME ROOM, & RESTROOM PLUMBING PLANS

SHEET NUMBER:

P-104

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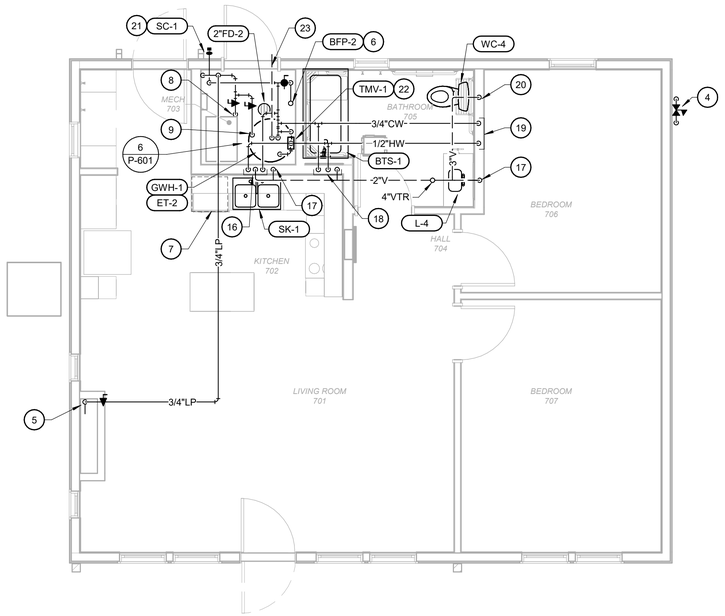
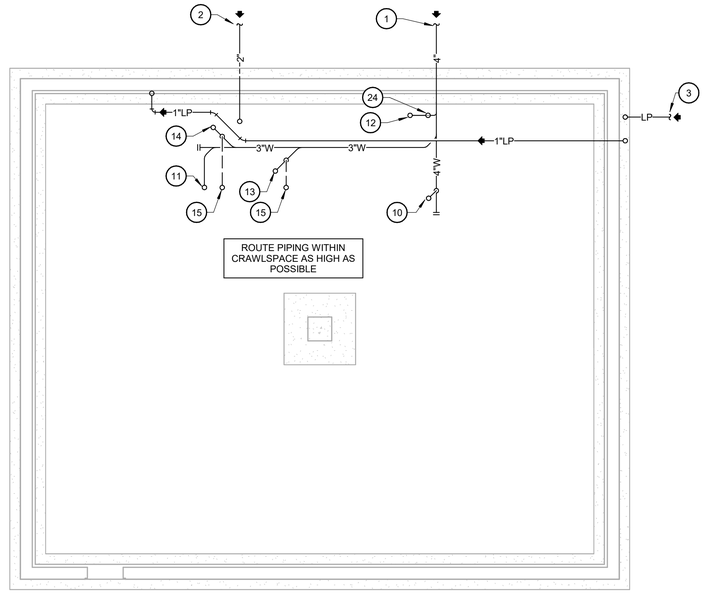


2 TWO BEDROOM CABIN FIRST FLOOR PLUMBING PLAN

SCALE: 1/4" = 1'-0"



1 TWO BEDROOM CABIN FOUNDATION PLUMBING PLAN

SCALE: 1/4" = 1'-0"

KEYNOTES (#)

1 4" SANITARY SERVICE. COORDINATE INVERT AND EXACT LOCATION WITH SITE UTILITIES PLAN. SEE CIVIL DRAWINGS FOR CONTINUATION.

2 2" COMBINED WATER SERVICE. COORDINATE EXACT LOCATION WITH SITE UTILITIES PLAN. SEE CIVIL DRAWINGS FOR CONTINUATION.

3 LP GAS SERVICE. COORDINATE EXACT LOCATION WITH SITE UTILITIES PLAN. SEE CIVIL DRAWINGS FOR CONTINUATION.

4 PROVIDE GAS REGULATOR AND INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO SCHEDULE AND DETAIL FOR MORE INFORMATION.

5 3/4" LP GAS DOWN TO FIREPLACE UNIT. PROVIDE SHUTOFF VALVE AND CONNECT GAS PIPING PER MANUFACTURE'S WRITTEN INSTRUCTIONS (28 CFH PROJECTED LOAD).

6 PROVIDE 2" VERTICAL BACKFLOW PREVENTER FOR THE FIRE PROTECTION SERVICE AND INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND LOCAL AHJ REQUIREMENTS.

7 PROVIDE 1/2" HOT WATER PIPING WITH SHUTOFF VALVE ROUTED THROUGH CASEWORK AND CONNECT TO DISHWASHER. PROVIDE SANITARY DRAIN HOSE FROM DISHWASHER AND CONNECT TO AIR GAP FITTING IN HOLE ON SINK. EXTEND DRAIN HOSE TO TAILPIECE.

8 3/4" LP GAS DOWN TO FURNACE (84 CFH PROJECTED LOAD).

9 3/4" LP GAS DOWN TO WATER HEATER (38 CFH PROJECTED LOAD).

10 1 1/2" UP TO LAVATORY.

11 2" UP TO SINK.

12 4" UP TO WATER CLOSET.

13 2" UP TO BATHTUB/SHOWER.

14 2" UP TO FLOOR DRAIN.

15 1 1/2" VENT UP.

16 1 1/2" VENT, 1/2" HOT AND COLD WATER DOWN TO SINK.

17 1 1/2" VENT DOWN.

18 1 1/2" VENT, 1/2" HOT AND COLD WATER DOWN TO BATHTUB/SHOWER.

19 1/2" HOT AND COLD WATER DOWN IN WALL. EXTEND TO EACH PLUMBING FIXTURE REQUIRING HOT AND COLD WATER.

20 3" VENT DOWN.

21 MOUNT SILLCOCK AT 1'-6" ABOVE GRADE.

22 INSTALL MIXING VALVE AND ASSOCIATED PIPING PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND MOUNT AT 5'-0" AFF.

23 6" CONCENTRIC FLUE AND COMBUSTION INTAKE FOR WATER HEATER. INSTALL AS HIGH AS POSSIBLE AND PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

24 3" VENT UP.

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MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WADE ROSS
NUMBER PE-2024026452
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11.26.2025
Exp. 12.31.2026

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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☒
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☒
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☒
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☒
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☒
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

DRAWN BY: CJA
CHECKED BY: DAH
DESIGNED BY: EJG

SHEET TITLE:

TWO BEDROOM CABIN PLUMBING PLANS

SHEET NUMBER:

P-105

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ISSUE DATE 11/26/2025

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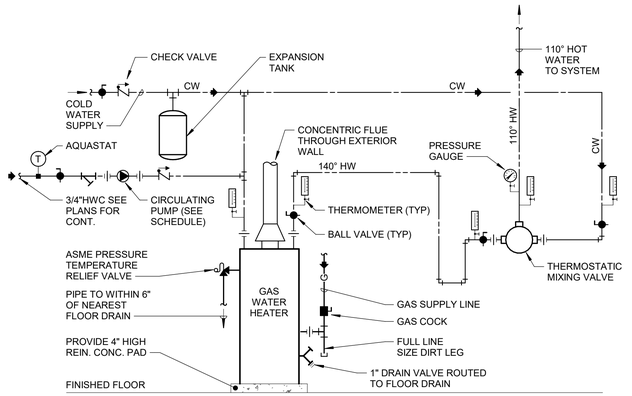
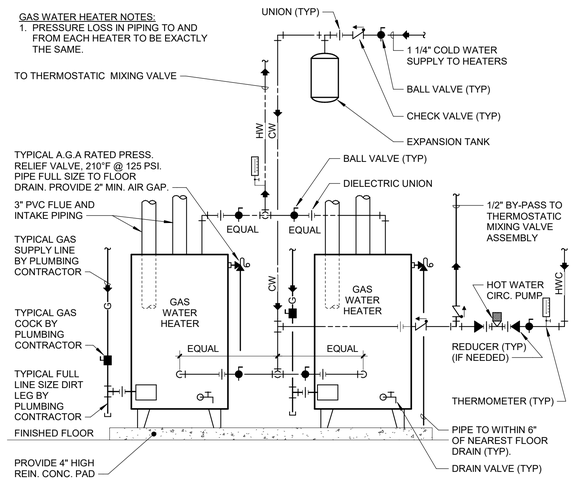


NOTES:
1. MOUNT THERMOSTATIC MIXING VALVE AT AN ACCESSIBLE HEIGHT.
2. PIPING SHOWN IS SCHEMATIC ONLY,INDICATING THE RELATIONSHIP AMONG THE VARIOUS PIECES OF EQUIPMENT AND PIPING. CONTRACTOR SHALL VERIFY THE EXACT INSTALLATION AND PIPING WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS

SEISMIC NOTE:
CONTRACTOR SHALL SECURE THE WATER HEATER TO SUSTAIN SEISMIC FORCES, CATEGORY "C", IF COMPONENT IMPORTANCE FACTOR IS MORE THAN 1.

11 GAS WATER HEATER W/ TMV PIPING (LOWER DORM)

SCALE: No Scale



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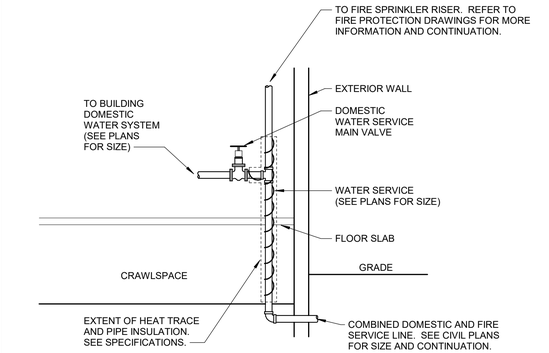
SEISMIC NOTE:
CONTRACTOR SHALL SECURE THE WATER HEATER TO SUSTAIN SEISMIC FORCES, CATEGORY "C", IF COMPONENT IMPORTANCE FACTOR IS MORE THAN 1.

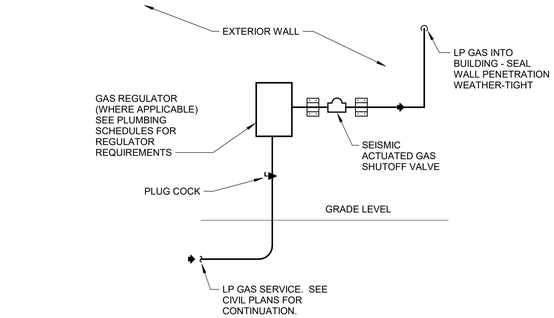
7 DUPLEX STORAGE TYPE GAS WATER HEATER (LODGE)

SCALE: No Scale



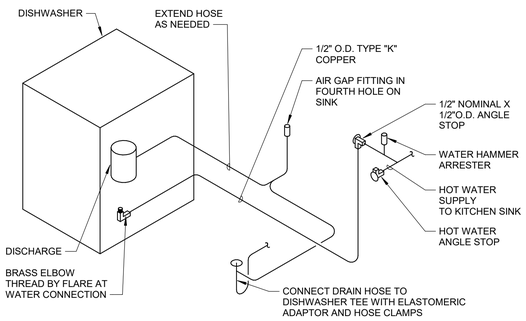
4 DOMESTIC WATER SERVICE (TWO BEDROOM AND FAMILY CABINS)

SCALE: No Scale



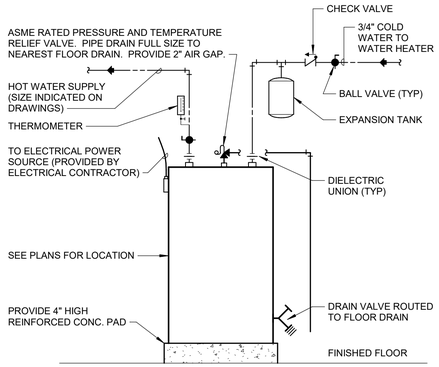
3 GAS SERVICE

SCALE: No Scale



2 DISHWASHER PIPING (FAMILY AND TWO-BEDROOM CABINS

SCALE: No Scale



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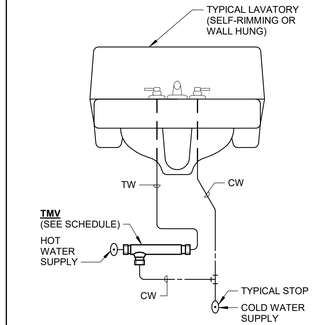
SEISMIC NOTE:
CONTRACTOR SHALL SECURE THE WATER HEATER TO SUSTAIN SEISMIC FORCES, CATEGORY "C", IF COMPONENT IMPORTANCE FACTOR IS MORE THAN 1.

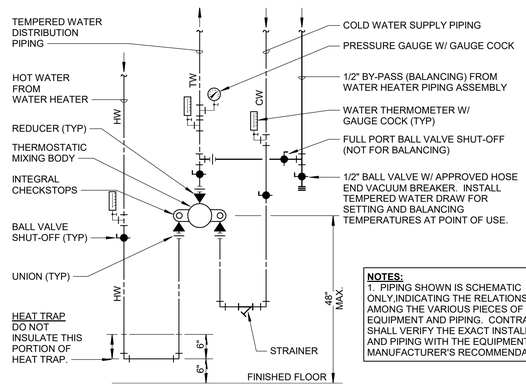
10 ELECTRIC WATER HEATER (RESTROOM BUILDING)

SCALE: No Scale



9 POINT-OF-USE MIXING VALVE (RESTROOM BUILDING)

SCALE: No Scale



NOTES:
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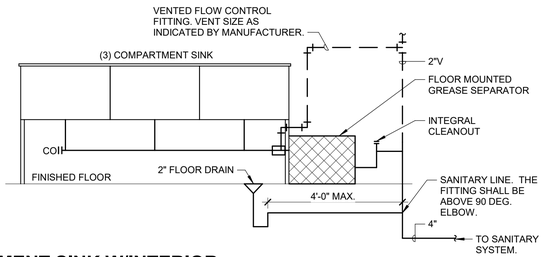
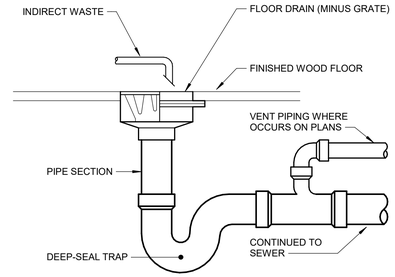
8 THERMOSTATIC MIXING VALVE PIPING (LODGE)

SCALE: No Scale



5 3-COMPARTMENT SINK W/INTERIOR GREASE INTERCEPTOR

SCALE: No Scale



1 FLOOR DRAIN

SCALE: No Scale

6 GAS WATER HEATER W/ TMV PIPING (FAMILY AND TWO BEDROOM CABINS)

SCALE: No Scale

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

WADE ROSS NUMBER PE-2024026452 PROFESSIONAL ENGINEER STATE OF MISSOURI
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DRAWN BY: CJA
CHECKED BY: DAH
DESIGNED BY: EJG

SHEET TITLE:

DIAGRAMS

SHEET NUMBER:

P-601

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LODGE KITCHEN EQUIPMENT CONNECTION SCHEDULE

ITEM NO.	FIXTURE	MANUFACTURER	MODEL NO.	COLD WATER	HOT WATER	WASTE	VENT	GAS	CFH HR.	INSTALL BY	PROV. BY	REMARKS
1	6 BURNER RANGE W/ OVEN	SOUTHBEND	S36D	N/A	N/A	N/A	N/A	3/4"	203	PC	KEC	PROPANE GAS FIRED, 6 BURNERS, 28,000 BTU EACH/ 35,000 BTU OVEN, PC TO MAKE FINAL CONNECTIONS
5	DISHWASHER (UNDERCOUNTER)	HOBART	CUH-1	N/A	3/4"	2"	2"	N/A	N/A	PC	KEC	HIGH-TEMP DISHWASHER, INTEGRAL BOOSTER HEATER. RECOMMENDS WATER SOFTENERS (2); DIRECT WASTE TO SANITARY. PC TO MAKE FINAL CONNECTIONS.
6A	DISHWASHER, VENTLESS	HOBART	AM16VL-BASX-2	N/A	3/4"	4"	2"	N/A	N/A	PC	KEC	W/ BOOSTER HEATER.INDIRECT WASTE. PC TO MAKE FINAL CONNECTIONS. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
6B	SOILED DISH TABLE	JOHN BOOS	SDT6-S48SBK-R	1/2"	1/2"	2"	2"	N/A	N/A	PC	KEC	INCLUDES SINK AND PRE-RINSE SPRAY FAUCET. DIRECT WASTE TO SANITARY. PC TO MAKE FINAL CONNECTIONS. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
8A	ICE MAKER W/ BIN	SCOTSMAN	CU0920MA-1	1/2"	N/A	1"	N/A	N/A	N/A	PC	KEC	100 POUND ICE CAPACITY, INDIRECT WASTE. PC TO MAKE FINAL CONNECTIONS. CONNECT WATER THROUGH A DUAL CHECK VALVE. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS. INCLUDES WATER FILTRATION SYSTEM.
9	3 COMPARTMENT SINK	JOHN BOOS	3B184-2D18	1/2"	1/2"	2"	2"	N/A	N/A	PC	KEC	DIRECT WASTE TO GREASE INTERCEPTOR. PC TO MAKE FINAL CONNECTIONS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.

NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR PLACEMENT OF EQUIPMENT.

LEGEND:
B.O. = BY OTHERS
E = EXISTING
KEC = KITCHEN EQUIPMENT CONTRACTOR
O = OWNER
PC = PLUMBING CONTRACTOR
V = VENDOR

INTERCEPTOR SCHEDULE

PLAN MARK	MAKE/MODEL	DESCRIPTION REMARKS
GI-1	WADE 5105 J.R. SMITH ROCKFORD ZURN	LOW BOY GREASE INTERCEPTOR, FABRICATED STEEL GREASE INTERCEPTOR, ACID RESISTANT INTERIOR. 39" x 23" x 13" TALL, GASKETED COVER, 35 GPM INTERMITTENT FLOW, 70 POUND GREASE CAPACITY. THREADED INLET AND OUTLET SIZED ON DRAWINGS. FOR INSTALLATION ON TOP OF FINISH FLOOR. (LOW BOY-FLOOR MOUNTED)

PRESSURE REGULATOR SPECIFICATIONS FOR PROPANE GAS

MANUFACTURER MODEL	CONNECTION SIZE	CAPACITY CFH	INLET PRESSURE	OUTLET PRESSURE	SPRING COLOR-RANGE-ORIFACE
ITRON B-31 SERIES	3/4" x 3/4"	UP TO 150	2 PSIG	11 INCHES W.C.	BLUE-8.0 TO 12 INCHES W.C.-1/4"

NOTES:
1. REGULATORS ARE FULL CAPACITY INTERNAL RELIEF TYPE BY ITRON.
2. REGULATORS TO BE INSTALLED WITH RELIEF VENT IN POSITION TO PREVENT ENTRANCE OF WATER, SNOW, MOISTURE OR FOREIGN PARTICLES. (PROVIDE SCREENED VENT ELBOW AS REQUIRED). VENT OPENING TO BE LOCATED 22" MIN. ABOVE GRADE LEVEL AND ABOVE SNOW LEVEL.
3. TAG REGULATOR WITH INLET AND OUTLET SETTINGS, AFFIX WARNING 'DO NOT REMOVE'.

GAS WATER HEATER SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	LOCATION	TANK STORAGE (GAL.)	RECOVERY GPH @ 90 DEG.	BTU/HR INPUT	GAS CONN. SIZE (IN.)	WATER CONN. SIZE (IN.)	CA INTAKE DIA. (IN.)	FLUE DIA. (IN.)	ELECTRICAL DATA V/PH	ELECTRICAL DATA FLA	PHYSICAL DATA H (IN.)	PHYSICAL DATA DIA. (IN.)	PHYSICAL DATA WT. (LB.)	REMARKS
GWH1	AO SMITH	GDV-40	2-BED CABIN MECH. RM.	39	41	38,000	3/4	3/4	6" CONCENTRIC		120/1	5	50	29	503	1,2
GWH2	AO SMITH	GDV-40	FAMILY CABIN MECH. RM.	39	41	38,000	3/4	3/4	6" CONCENTRIC		120/1	5	50	29	503	1,2
GWH3	AO SMITH	BTX-100	LODGE MECH. RM.	50	129	100,000	1/2	3/4	3	3	120/1	5	67	22	642	1,2,3
GWH4	AO SMITH	BTX-100	LODGE MECH. RM.	50	129	100,000	1/2	3/4	3	3	120/1	5	67	22	642	1,2,3
GWH5	AO SMITH	GDV-40	LOWER DORMATORY MECH. RM.	39	41	38,000	3/4	3/4	6" CONCENTRIC		120/1	5	50	29	503	1,2

NOTES:
1. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROPANE FUEL SOURCE.
3. INCLUDE WITH CONDENSATE NEUTRALIZATION KIT.

PLUMBING EXPANSION TANK SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	MAX PRESSURE P.S.I.	MAX TEMP DEG. F	TANK VOLUME GALLONS	TANK ACCEPTANCE GALLONS	AIR PRE-CHARGE P.S.I.	CONNECTION SIZE (IN.)	DIAMETER (IN.)	HEIGHT (IN.)	WEIGHT (LBS.)	REMARKS
ET1	AMTROL WATTS ZURN/WILKINS	ST-12 DETA-12 WTTA-12	150	140	4.4	0.73	60	3/4"	11"	15"	9	NON-ASME RATED
ET2	AMTROL WATTS ZURN/WILKINS	ST-5 DET-5 WXTP-8	150	200	2.1	0.84	40	3/4"	8 1/2"	11 1/2"	7	NON-ASME RATED

DESIGN BASED ON THE FOLLOWING:

SUPPLY PRESSURE = 60 P.S.I.
WATER VOLUME INCREASE OF 2% FROM 40 - 140

OTHER ACCEPTABLE MANUFACTURER'S ARE:
BELL & GOSSETT, STATE, FLEXCON, WESSELS

ELECTRIC WATER HEATER SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	LOCATION	STORAGE IN GALLONS	RECOVERY GPH @ 100 DEG.	NUMBER OF ELEMENTS	ELECTRICAL DATA KW INPUT	ELECTRICAL DATA V/PH	PHYSICAL DATA DIA (IN.)	PHYSICAL DATA H (IN.)	PHYSICAL DATA OPER. WT. (LB.)	REMARKS
EWH1	A.O. SMITH	DEL-30	RESTROOM BUILDING	30	30	2	6	240/1	22	31	350	1&2

NOTES:
1. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SET TO 120 DEGREES F.

CIRCULATING PUMP SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	LOCATION	MOUNTING	GPM	FEET HEAD	MOTOR RPM	ELECTRICAL DATA HP	ELECTRICAL DATA V/PH	REMARKS
HWCP1	TACO	006-ST4	LOWER DORM MECH. RM.	INLINE	0-10	0-9	3250	1/40	120/1	SEE NOTES 1 & 2 BELOW.
HWCP2	TACO	006-ST4	LODGE MECH. RM.	INLINE	0-10	0-9	3250	1/40	120/1	SEE NOTES 1 & 2 BELOW.

NOTES:
1. PROVIDE WITH "00" AQUASTAT AND TIMER.
2. MOUNT PUMP POSITION PER MANUFACTURER'S WRITTEN INSTALLATION REQUIREMENTS.

BACKFLOW PREVENTER SCHEDULE

PLAN MARK	MAKE/MODEL	DESCRIPTION REMARKS
BFP1	WATTS LF009M2QTS WILKINS CONBRACO (2" & Smaller)	(LEAD FREE) REDUCED PRESSURE ZONE BACKFLOW PREVENTER, TWO INDEPENDENT CHECK VALVES, INTERMEDIATE RELIEF VALVE, SHUT-OFF VALVES, BALL TYPE TEST COCKS AND WYE STRAINER. (DOMESTIC WATER SERVICE) ASSE 1013
BFP2	WATTS LF007 WILKINS CONBRACO (Fire Suppression)	DOUBLE CHECK, TWO INDEPENDENT CHECK VALVES, INTERMEDIATE RELIEF VALVE, SHUT-OFF VALVES, OSY GATE VALVES, BALL TYPE TEST COCKS. (FIRE SUPPRESSION SYSTEM) ASSE1047. INSTALL IN VERTICAL POSITION.
OTHER ACCEPTABLE MANUFACTURER'S SHALL BE: AMES, FEBCO		

THERMOSTATIC MIXING VALVE SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	GPM	INLET	OUTLET	MOUNTING	REMARKS
TMV1	BRADLEY	S59-3045 S59-3080	*1.5-12.5 *2.0-26	3/4" 1"	1" 1 1/4"	WALL	(LEAD FREE) COMBINED HI/LO FLOW MIXING VALVE WITH UNION ENDS, INLET CHECK VALVES, TEST CONNECTION, SET TO 115 F DEGREES. ASSE 1017 (MASTER MIXING VALVE) LOCATED IN LODGE, LOWER DORMITORY, 2-BEDROOM & FAMILY CABIN.
TMV2	WILKINS/ZURN BRADLEY	ZW1070XLHT S59-2025	0.5-6 *2-5.5	1/2"-1" 3/4"	1/2"-1" 3/4"	WALL	(LEAD FREE) HIGH TEMP MIXING VALVE. PROVIDE WITH UNION ENDS, INLET CHECK VALVES, SET TO 110 DEGREES. ASSE 1016,1070 (MULTIPLE FAUCET) LOCATED RESTROOM BUILDING ONLY

DESIGN FLOWS BASED ON 5 PSI PRESSURE DROP MAXIMUM.

* 0.5 GPM MINIMUM FLOW RATE CAN BE ACHIEVED WHEN PROPERLY INSTALLED WITH A RECIRCULATION SYSTEM AND RECIRCULATION PUMP AND PIPED PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

NOTE: OTHER ACCEPTABLE MANUFACTURER'S SHALL BE: BRADLEY, SIMMONS, POWERS, LEONARD, WILKINS, ZURN.

11/25/2025 11:23:13 AM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WADE ROSS
NUMBER PE-2024026452
PROFESSIONAL ENGINEER

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#	DATE:	DESCRIPTION:

DRAWN BY: CJA
CHECKED BY: DAH
DESIGNED BY: EJG

SHEET TITLE:

SCHEDULES

SHEET NUMBER:

P-602

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ISSUE DATE 11/26/2025

CLEANOUT SCHEDULE

PLAN MARK	MAKE/MODEL	LOCATION	REMARKS
CO	WADE 8590-B WATTS J.R. SMITH JOSAM ZURN	END OF LINE EXPOSED OR ABOVE CEILING	FOR SUSPENDED PIPE. COUNTERSUNK CLEANOUT PLUG WITH RAISED HEAD.
FCO1	WADE 6000,1 WATTS J.R. SMITH JOSAM ZURN	FINISHED ROOMS	ADJUSTABLE FLOOR CLEANOUT, CAST IRON BODY, WITH WATERTIGHT ABS TAPERED THREAD PLUG, AND ROUND POLISHED NICKEL BRONZE SCORIATED VANDAL PROOF SECURED TOP, ADJUSTABLE TO FINISH FLOOR.
WCO1	ZURN CO2413-PVC/ CO2530-VP SIOUX CHIEF JRS PRODUCTS	FINISHED ROOMS (3" & 4")	WALL CLEANOUT, PVC BODY, WITH WATERTIGHT ABS TAPERED THREADED PLUG, AND ROUND, SMOOTH STAINLESS STEEL ACCESS COVER WITH VANDAL PROOF SECURING SCREW.
YCO	WADE 8300MF WATTS J.R. SMITH JOSAM ZURN	EXTERIOR YARD CLEANOUT	EXTERIOR, HEAVY DUTY CLEANOUT HOUSING, CAST IRON BODY WITH INTEGRAL ANCHOR FLANGE, SECURED, SCORIATED COVER WITH VANDAL PROOF SECURE TOP.

FLOOR: CAST IRON, ADJUSTABLE HOUSING, CUT-OFF FERRULE, BRASS COUNTERSUNK TAPERED SCREW TYPE PLUG WITH NEOPRENE SEAL. ABOVE CEILING EXPOSED VERTICAL OR HORIZONTAL LINES: CAST IRON, FERRULE WITH ROUGH BRASS RAISED HEAD TAPERED PLUG. FLOORS WITH TILE OR SHEET VINYL: COUNTERSUNK CLEANOUT AND ROUND SECURED FRAME AND COVER WITH TILE RING WITH MATCHING TILE INSERTED WITHIN RING. FLOORS WITH CARPETING: COUNTERSUNK CLEANOUT AND ROUND, NICKEL BRASS SECURED FRAME WITH CARPET FLANGE OR CARPET MARKER. IN CONCRETE FLOORS: ROUND, NICKEL BRASS SECURED FRAME WITH NON-SKID SCORIATED NICKEL BRASS COVER SECURED TO FRAME WITH BRASS SCREWS. RISER CLEANOUTS: CAST IRON SHELL WITH COUNTERSUNK BRASS PLUG WITH ROUND SECURED 18 GA. STAINLESS STEEL COVER WITH STAINLESS STEEL SETTING SCREW. YARD CLEANOUT: CAST IRON WITH CUT-OFF FERRULE, TAPERED BRASS PLUG, ADJUSTABLE HOUSING AND EXTRA HEAVY SECURED FRAME, SCORIATED TRACTOR COVER.

DRAIN SCHEDULE

PLAN MARK	MAKE/MODEL	DESCRIPTION REMARKS
FD1	WADE 1100-STD J.R. SMITH ZURN	CAST IRON FLOOR DRAIN WITH SEEPAGE FLANGE, FLASHING RING AND CLAMPING COLLAR, 5" DIAMETER HEEL PROOF ADJUSTABLE POLISHED NICKEL BRONZE RIM AND VANDAL PROOF STRAINER. SEPARATE DEEP-SEAL TRAP. OUTLET SIZE AS INDICATED ON DRAWINGS. (FINISHED AREAS)
FD2	WADE 1100-ER J.R. SMITH ZURN	CAST IRON FLOOR DRAIN WITH 5" DIAMETER NICKEL BRONZE EXTENDED RIM AND VANDAL PROOF STRAINER, FLASHING FLANGE AND CLAMPING COLLAR. SEPARATE DEEP-SEAL TRAP. OUTLET SIZE AS INDICATED ON DRAWINGS. (MECHANICAL ROOMS)
FS1	WADE 9110-LF J.R. SMITH ZURN	8"x8"x6" DEEP FLOOR SINK, CAST IRON BODY AND SQUARE 3/4 SLOTTED GRATE OPENING, ACID RESISTANT INTERIOR AND TOP, BUCKET WITH STAINLESS STEEL MESH LINER AND ALUMINUM ANTI-SPLASH BOTTOM DOME STRAINER, SEEPAGE FLANGE AND CLAMPING COLLAR. SEPARATE DEEP SEAL TRAP. OUTLET SIZE INDICATED ON DRAWINGS.

PLUMBING FIXTURE SCHEDULE

PLAN MARK	FIXTURE DESCRIPTION AND REMARKS	MINIMUM INDIVIDUAL LINE SIZES			
		COLD WATER	HOT WATER	WASTE	VENT
BTS1	BATHTUB: 60 INCH x 30-1/4 INCH ALCOVE BATH, LEFT DRAIN. WHITE ENAMELED CAST IRON BATH AND SHOWER BASE. INTEGRAL FLANGE AND APRON, 2 INCH BUILT-IN POP-UP DRAIN OUTLET, SLIP RESISTANT BOTTOM. ACCEPTABLE MANUFACTURERS: BASIS OF DESIGN: KOHLER (K-837). BATHTUB & SHOWER TRIM: PRESSURE BALANCED MIXING VALVE, CAST BRASS BODY, MATTE-BLACK EXTERIOR FINISH, FLUSH MOUNT WITH CONCEALED PIPING, SINGLE LEVER AND INTEGRAL STOPS. SET LIMITS TO 110 DEGREES F. 1.75GPM H2OKINETIC TECHNOLOGY POWER-DRENCH SHOWER HEAD WITH PRESSURE COMPENSATED CONTROL VALVE. PROVIDE WITH TUB SPOUT. ACCEPTABLE MANUFACTURERS: DELTA FAUCET: "ARCHDALE MONITOR 14 SERIES (#144798-BL), AMERICAN STANDARD, LEONARD, SYMMONS, BRADLEY, OR ACORN.	1/2"	1/2"	1 1/2"	1 1/2"
HB1	HOSE BIBB - WALL MOUNTED MALE COMPRESSION HOSE FAUCET WITH TEE HANDLE, CHROME PLATED FINISH WITH 3/4 INCH INLET AND STANDARD HOSE THREAD. PROVIDE SPOUT END IN-LINE ATMOSPHERIC VACUUM BREAKER. WATER SERVICE AS INDICATED ON DRAWINGS. ACCEPTABLE MANUFACTURERS: CHICAGO FAUCET (293-E27), T&S BRASS.	1/2"	N/A	N/A	N/A
IMB1	ICE MAKER OUTLET BOX MANUFACTURERS: SIOUX CHIEF MODEL No.696-G1000MF OR APPROVED EQUIVALENT BY OATEY, WATTS. DESCRIPTION: RECESSED 4" x 5.5" x 3.5"D ABS OULET BOX HAVING: 1/2" FEMALE SWEAT BOTTOM INLET; GALVANIZED STEEL STUD MOUNTING BRACKET(S); 1/4-TURN LEAD-FREE BALL VALVE WITH 1/4" COMPRESSION OUTLET CONNECTION; AND 5.75" x 7.25" ABS WALL PLATE. ACCESSORIES: 1/4" COPPER TUBE AND COMPRESSION FITTINGS TO LENGTH REQUIRED FOR CONNECTION TO REFRIGERATOR INLET; IN-LINE ICE MAKER FILT ZIP-TIED TO BACK OF REFRIGERATOR, OR SUPPORTED ON WALL DIRECTLY BEHIND REFRIGERATOR; (2) SPARE FILTER CARTRIGES.	1/2"	N/A	N/A	N/A
L1	LAVATORY - WALL HUNG, VITREOUS CHINA, 20 INCH x18 INCH MINIMUM RECTANGULAR BASIN, 4 INCH HIGH BACK, SINGLE HOLE DRILLING, SPLASH LIP, OVERFLOW, SUITABLE FOR CONCEALED ARM CARRIERS. ACCEPTABLE MANUFACTURERS: KOHLER (K2030), AMERICAN STANDARD, ELJER, CRANE, GERBER. LAVATORY TRIM: 1/2 INCH IPS SUPPLY SHANK, VANDAL RESISTANT SELF-CLOSING PUSH BUTTON CHROME PLATED METERING VALVE WITH ADJUSTABLE TIME CYCLE, 0.5 GPM FLOW, VANDAL RESISTANT LAMINAR FLOW AERATOR, CAST BRASS DRAIN PLUG WITH FLAT STRAINER, ANGLE STOPS BY BRASSCRAFT OR McGUIRE, 17 GAUGE 1 1/4 INCH O.D. TAILPIECE AND 17 GAUGE 1 1/4 INCH P-TRAP BY BRASSCRAFT, McGUIRE, OR DEARBORN. ACCEPTABLE MANUFACTURERS: MOEN FAUCET (#8894), T&S BRASS, DELTA COMMERCIAL, SPEAKMAN, CHICAGO FAUCET. ACCESSORIES: PROVIDE WITH CONCEALED ARM CARRIER BY WADE, JOSAM OR ZURN. VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS. EXPOSED TRIM SHALL BE HEAVILY CHROME PLATED.	1/2"	1/2"	1 1/4"	1 1/2"
L2 (HC)	LAVATORY - MOUNT FOR HANDICAPPED ACCESSIBILITY. WALL HUNG WHITE VITREOUS CHINA, 20 INCH x18 INCH MINIMUM RECTANGULAR BASIN, 4 INCH HIGH BACK, SINGLE HOLE DRILLING, SPLASH LIP, OVERFLOW, SUITABLE FOR CONCEALED ARM CARRIERS. ACCEPTABLE MANUFACTURERS: KOHLER (K2030), AMERICAN STANDARD, ELJER, CRANE, GERBER. LAVATORY TRIM: 1/2 INCH IPS SUPPLY SHANK, VANDAL RESISTANT SELF-CLOSING PUSH BUTTON CHROME PLATED METERING VALVE WITH ADJUSTABLE TIME CYCLE, 0.5 GPM FLOW, VANDAL RESISTANT LAMINAR FLOW AERATOR, CAST BRASS DRAIN PLUG WITH FLAT STRAINER, ANGLE STOPS BY BRASSCRAFT OR McGUIRE, 17 GAUGE 1 1/4 INCH O.D. TAILPIECE AND 17 GAUGE 1 1/4 INCH P-TRAP BY BRASSCRAFT, McGUIRE, OR DEARBORN. ACCEPTABLE MANUFACTURERS: MOEN FAUCET (#8894), T&S BRASS, DELTA COMMERCIAL, SPEAKMAN, CHICAGO FAUCET. ACCESSORIES: PROVIDE WITH CONCEALED ARM CARRIER BY WADE, JOSAM OR ZURN. VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS. EXPOSED TRIM SHALL BE HEAVILY CHROME PLATED. PIPING EXPOSED BELOW LAVATORY SHALL BE COVERED WITH AN ADA INSULATOR KIT. MOUNT FOR HANDICAPPED ACCESSIBILITY.	1/2"	1/2"	1 1/4"	1 1/2"
L3	LAVATORY - SOLID-SURFACE COUNTERTOP WITH INTEGRAL SINK, 1 HOLE DRILLING, FURNISHED AND INSTALLED BY OTHERS. PLUMBING CONTRACTOR TO MAKE FINAL CONNECTIONS. LAVATORY TRIM: SINGLE HANDLE DECK MOUNT, MATTE BLACK EXTERIOR FINISH, VANDAL RESISTANT AERATOR, PUSH POP-UP WITH OVERFLOW, ANGLE STOPS BY BRASSCRAFT OR McGUIRE, 17 GAUGE 1 1/4 INCH O.D. TAILPIECE AND 17 GAUGE 1 1/4 INCH P-TRAP BY BRASSCRAFT, McGUIRE, OR DEARBORN AND 5 INCH SPOUT. ACCEPTABLE MANUFACTURERS: DELTA FAUCET "ARCHDALE" (15798LF), T&S BRASS, DELTA COMMERCIAL, SPEAKMAN, CHICAGO FAUCET. ACCESSORIES: VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS. EXPOSED TRIM BELOW LAVATORY SHALL BE HEAVILY CHROME PLATED.	1/2"	1/2"	1 1/4"	1 1/2"
L4 (HC)	LAVATORY - SOLID-SURFACE COUNTERTOP WITH INTEGRAL SINK, 1 HOLE DRILLING, FURNISHED AND INSTALLED BY OTHERS. PLUMBING CONTRACTOR TO MAKE FINAL CONNECTIONS. LAVATORY TRIM: SINGLE HANDLE DECK MOUNT, MATTE BLACK EXTERIOR FINISH, VANDAL RESISTANT AERATOR, PUSH POP-UP WITH OVERFOW, ANGLE STOPS BY BRASSCRAFT OR McGUIRE, 17 GAUGE 1 1/4 INCH O.D. TAILPIECE AND 17 GAUGE 1 1/4 INCH P-TRAP BY BRASSCRAFT, McGUIRE, OR DEARBORN AND 5 INCH SPOUT. ACCEPTABLE MANUFACTURERS: DELTA FAUCET "ARCHDALE" (#15798LF), T&S BRASS, DELTA COMMERCIAL, SPEAKMAN. ACCESSORIES: VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS. EXPOSED TRIM BELOW LAVATORY SHALL BE HEAVILY CHROME PLATED. PIPING EXPOSED BELOW LAVATORY SHALL BE COVERED WITH AN ADA INSULATOR KIT. MOUNT FOR HANDICAPPED ACCESSIBILITY.	1/2"	1/2"	1 1/4"	1 1/2"
L5	LAVATORY - WALL HUNG WHITE PEDESTAL SINK, VITREOUS CHINA, 24-1/8 INCH x19-3/4 INCH OVERALL SIZE DIMENSION. 17 INCH x 12 INCH BOWL AREA, 1 HOLE DRILLING, SPLASH LIP, OVERFLOW, WALL MOUNTING PLATE. COMBINATION CONSISTS OF THE #K-2287-1 BASIN AND THE #K-2288 PEDESTAL. ACCEPTABLE MANUFACTURERS: KOHLER "DEVONSHIRE" (#K-2286-1), AMERICAN STANDARD, ELJER, CRANE, GERBER. LAVATORY TRIM: SINGLE HANDLE DECK MOUNT, MATTE BLACK EXTERIOR FINISH, VANDAL RESISTANT AERATOR, PUSH POP-UP WITH OVERFOW, ANGLE STOPS BY BRASSCRAFT OR McGUIRE, 17 GAUGE 1 1/4 INCH O.D. TAILPIECE AND 17 GAUGE 1 1/4 INCH P-TRAP BY BRASSCRAFT, McGUIRE, OR DEARBORN AND 5 INCH SPOUT. ACCEPTABLE MANUFACTURERS: DELTA FAUCET "ARCHDALE" (#15798LF), T&S BRASS, DELTA COMMERCIAL, SPEAKMAN. ACCESSORIES: VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS. EXPOSED TRIM UNDER LAVATORY SHALL BE HEAVILY CHROME PLATED.	1/2"	1/2"	1 1/4"	1 1/2"
MSB1	MOP SERVICE BASIN - FLOOR MOUNTED WHITE MOLDED STONE, 24 INCH x 24 INCH x 10 INCH DEEP WITH 1 INCH WIDE SHOULDERS STAINLESS STEEL STRAINER AND BUMPER GUARD. ACCEPTABLE MANUFACTURERS: FIAT (MSB-2424), STERN-WILLIAMS, MUSTEE. MOP SERVICE BASIN TRIM: CHROME PLATED CAST BRASS VACUUM BREAKER SPOUT, 3/4 INCH HOSE THREADED OUTLET, PAIL HOOK WITH WALL SUPPORT, INTEGRAL SCREWDRIVER STOPS WITH COVERING CAPS, STRAIGHT SHANK WITH FLANGE AND CROSS TYPE HANDLES. ACCEPTABLE MANUFACTURERS: CHICAGO FAUCET (540-LD897SWXFCP), T&S BRASS, SPEAKMAN, CAMBRIDGE. ACCESSORIES: PROVIDE WITH 5 FEET OF 1/2 INCH PLAIN END REINFORCED RUBBER HOSE, HOSE CLAMP AND MOP HANGER.	3/4"	3/4"	3"	2"
SC1	SILLCOCK - SATIN NICKEL BRONZE FLUSH MOUNTED FACE, STRAIGHT INLET CONNECTION WITH ALL BRASS INTERIOR PARTS, INTEGRAL ANTI-SIPHON, NON-FREEZE VACUUM BREAKER AND WALL CLAMP. ACCEPTABLE MANUFACTURERS: WOODFORD (67), WADE, JOSAM, ZURN. LENGTH OF WALL CLAMP AS REQUIRED BY WALL CONSTRUCTION AND ALL OTHER MOUNTING AS REQUIRED BY MANUFACTURER.	3/4"	N/A	N/A	N/A

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ALL PLUMBING FIXTURES, EQUIPMENT, TRIM, AND FITTINGS SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL REGULATIONS AND CODES, INCLUDING, BUT NOT LIMITED TO, WATER AND ENERGY CONSERVATION CODES. THE SCHEDULED AND/OR SPECIFIED PLUMBING FIXTURES OR EQUIPMENT REPRESENT THE MINIMUM CRITERIA AND SHALL BE THE BASIS FOR THE CONTRACTOR'S BASE BID. IF THE SCHEDULED OR SPECIFIED FIXTURES OR EQUIPMENT DO NOT COMPLY WITH GOVERNING CODES OR REGULATIONS IN ALL RESPECTS, THE CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR COMPLYING FIXTURES, EQUIPMENT, TRIM, OR FITTINGS. THE ABSENCE OF AN ALTERNATE BID SHALL BE CONSTRUED TO MEAN THAT THE CONTRACTOR'S BID INCLUDES ALL COSTS NECESSARY TO MEET ALL REGULATIONS AND CODES.

PLUMBING FIXTURE SCHEDULE (CONTINUED)

PLAN MARK	FIXTURE DESCRIPTION AND REMARKS	MINIMUM INDIVIDUAL LINE SIZES			
		COLD WATER	HOT WATER	WASTE	VENT
SH1	SHOWER - CUSTOM SOLID SURFACE SHOWER BASE WITH INTEGRAL THRESHOLD, 32 INCH x 42 INCH, STAINLESS STEEL DRAIN CAST INTEGRAL WITH BASE HAVING A REMOVABLE STAINLESS STEEL GRID STRAINER. ACCEPTABLE MANUFACTURERS: BASIS OF DESIGN: INPRO "PRISM". SHOWER TRIM: PRESSURE BALANCED MIXING VALVE, CAST BRASS BODY, 1.75 GPM FLOW, MATTE BLACK EXTERIOR FINISH, FLUSH MOUNT WITH CONCEALED PIPING, SINGLE LEVER AND INTEGRAL STOPS. SET LIMITS TO 110 DEGREES F. SHOWER HEAD WITH PRESSURE COMPENSATED CONTROL VALVE. MOUNT SHOWER HEAD AT 7 FOOT ABOVE FLOOR. ACCEPTABLE MANUFACTURERS: DELTA FAUCET "ARCHDALE MONITOR" (#144798-BL) AMERICAN STANDARD, LEONARD, CHICAGO FAUCET.	1/2"	1/2"	2"	2"
SH2	SHOWER - CUSTOM SOLID SURFACE SHOWER BASE WITH INTEGRAL THRESHOLD, 36 INCH x 36 INCH, STAINLESS STEEL DRAIN CAST INTEGRAL WITH BASE HAVING A REMOVABLE STAINLESS STEEL GRID STRAINER. ACCEPTABLE MANUFACTURERS: BASIS OF DESIGN: INPRO "PRISM". SHOWER TRIM: PRESSURE BALANCED MIXING VALVE, CAST BRASS BODY, 1.75 GPM FLOW, MATTE BLACK EXTERIOR FINISH, FLUSH MOUNT WITH CONCEALED PIPING, SINGLE LEVER AND INTEGRAL STOPS. SET LIMITS TO 110 DEGREES F. SHOWER HEAD WITH PRESSURE COMPENSATED CONTROL VALVE. MOUNT SHOWER HEAD AT 7 FOOT ABOVE FLOOR. ACCEPTABLE MANUFACTURERS: DELTA FAUCET "ARCHDALE MONITOR" (#144798-BL), AMERICAN STANDARD, LEONARD, CHICAGO FAUCET.	1/2"	1/2"	2"	2"
SH3 (HC)	SHOWER - CUSTOM SOLID SURFACE SHOWER BASE WITH INTEGRAL THRESHOLD, 36 INCH x 54 INCH, STAINLESS STEEL DRAIN CAST INTEGRAL WITH BASE HAVING A REMOVABLE STAINLESS STEEL GRID STRAINER. ACCEPTABLE MANUFACTURERS: BASIS OF DESIGN: INPRO "PRISM". SHOWER TRIM: PRESSURE BALANCED MIXING VALVE, CAST BRASS BODY, 1.75 GPM FLOW, MATTE BLACK EXTERIOR FINISH, FLUSH MOUNT WITH CONCEALED PIPING, SINGLE LEVER AND INTEGRAL STOPS. SET LIMITS TO 110 DEGREES F. SHOWER HEAD WITH PRESSURE COMPENSATED CONTROL VALVE. ACCEPTABLE MANUFACTURERS: DELTA FAUCET "ARCHDALE MONITOR" (#144798-BL), AMERICAN STANDARD, LEONARD, CHICAGO FAUCET. ACCESSORIES: HAND HELD SHOWER SHALL BE 2.5 GPM FLOW CONTROL FULL SPRAY, MATTE BLACK EXTERIOR FINISH, SWIVEL CONNECTOR TO WALL MOUNTED BAR, 70 INCH LONG STAINLESS STEEL HOSE WITH QUICK DISCONNECT, SUPPLY ELBOW, SUPPLY HOSE VACUUM BREAKER FITTING. PROVIDE 10 OUNCE WHITE CURTAIN WITH HOOKS, 1 INCH DIAMETER STAINLESS STEEL CURTAIN ROD. ACCEPTABLE MANUFACTURERS: BASIS OF DESIGN BY ALSONS. MOUNT SHOWER HEAD AT 7 FOOT ABOVE FLOOR. MOUNT FOR HANDICAPPED ACCESSIBILITY.	1/2"	1/2"	2"	2"
SK1	SINK - UNDERMOUNT SINK, 18 GAUGE TYPE 304 STAINLESS STEEL WITH POLISHED SATIN FINISH, 32-1/2 INCH x18 INCH x10 INCH DEEP SINGLE COMPARTMENT, 3-1/2 INCH REAR CENTER DRAIN, UNDERCOATED. ACCEPTABLE MANUFACTURERS: ELKAY (#EFRU311610T), JUST, KOHLER. SINK TRIM: SINGLE HANDLE DECK MOUNT HIGH ARC PULLDOWN KITCHEN FAUCET, 1.5 GPM FLOW, MATTE BLACK EXTERIOR FINISH, AERATOR, HOSE SPRAY WITH 68 INCH HOSE, 8-5/8 INCH SPOUT 17 INCHES TALL, BASKET STRAINER, ANGLE STOPS BY BRASSCRAFT OR McGUIRE, 17 GAUGE 1 1/2 INCH O.D. TAILPIECE AND 17 GAUGE 1 1/2 INCH P-TRAP BY BRASSCRAFT, McGUIRE, OR DEARBORN. ACCEPTABLE MANUFACTURERS: DELTA FAUCET "RILEY" (#7402BL), DELTA. VERIFY EQUIPMENT LOCATION AND ROUGH IN REQUIREMENTS. ALL EXPOSED TRIM BELOW SINK SHALL BE HEAVILY CHROME PLATED.	1/2"	1/2"	1 1/2"	1 1/2"
WB3	WASHER BOX - 9 INCH x 14 INCH FIRE-RATED BOX CONSTRUCTED OF 20 GAUGE STEEL WITH WHITE BAKED ENAMEL FINISH, AND 2 INCH WASTE CONNECTION WITH TWIN 1/4 TURN BALL VALVES WITH WATER HAMMER ARRESTORS, SOLDERED CONNECTION POINTS. ACCEPTABLE MANUFACTURERS: OATEY (38478), GUY GRAY. ACCESSORIES: VERIFY EQUIPMENT LOCATION AND ROUGH IN REQUIREMENTS. MOUNT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.	3/4"	3/4"	2"	2"
WC1	WATER CLOSET - FLOOR MOUNTED, FLOOR OUTLET, WHITE VITREOUS CHINA, SIPHON JET CLOSET WITH ELONGATED BOWL, CLOSE COUPLED INSULATED PRESSURE ASSISTED TANK WITH FLUSHING HANDLE ON WIDE SIDE OF TOILET AREA, COVER AND ANTI-SIPHON BALL COCK. WATER CLOSET SHALL FLUSH ON 1.1 GALLONS OF WATER OR LESS. ACCEPTABLE MANUFACTURERS: ZURN (Z5571), KOHLER, AMERICAN STANDARD, ELJER, CRANE, GERBER. ACCESSORIES: PROVIDE WITH WHITE ANTI-MICROBIAL OPEN FRONT SEAT WITHOUT COVER, LOOSE KEY ANGLE STOP AND ESCUTCHEON. VERIFY EQUIPMENT LOCATION AND ROUGH IN REQUIREMENTS.	1/2"	N/A	4"	2"
WC2 (HC)	WATER CLOSET - FLOOR MOUNTED 17 1/2 INCHES HIGH FOR HANDICAPPED ACCESSIBILITY, FLOOR OUTLET, WHITE VITREOUS CHINA, SIPHON JET CLOSET WITH ELONGATED BOWL, CLOSE COUPLED INSULATED PRESSURE ASSISTED TANK WITH FLUSHING HANDLE ON WIDE SIDE OF TOILET AREA, COVER AND ANTI-SIPHON BALL COCK. WATER CLOSET SHALL FLUSH ON 1.1 GALLONS OF WATER OR LESS. ACCEPTABLE MANUFACTURERS: ZURN (Z5561), KOHLER, AMERICAN STANDARD, ELJER, CRANE, GERBER. ACCESSORIES: PROVIDE WITH WHITE ANTI-MICROBIAL OPEN FRONT SEAT WITHOUT COVER, LOOSE KEY ANGLE STOP AND ESCUTCHEON. VERIFY EQUIPMENT LOCATION AND ROUGH IN REQUIREMENTS.	1/2"	N/A	4"	2"
WC3	WATER CLOSET - FLOOR MOUNTED, FLOOR OUTLET, WHITE VITREOUS CHINA, SIPHON JET CLOSET WITH ELONGATED BOWL, CLOSE COUPLED INSULATED PRESSURE ASSISTED TANK WITH FLUSHING HANDLE ON WIDE SIDE OF TOILET AREA, COVER AND ANTI-SIPHON BALL COCK. WATER CLOSET SHALL FLUSH ON 1.1 GALLONS OF WATER OR LESS. ACCEPTABLE MANUFACTURERS: ZURN (Z5571), KOHLER, AMERICAN STANDARD, ELJER, CRANE, GERBER. ACCESSORIES: PROVIDE WITH WHITE ANTI-MICROBIAL OPEN FRONT SEAT WITH COVER, LOOSE KEY ANGLE STOP AND ESCUTCHEON. VERIFY EQUIPMENT LOCATION AND ROUGH IN REQUIREMENTS.	1/2"	N/A	4"	2"
WC4 (HC)	WATER CLOSET - FLOOR MOUNTED 17 1/2 INCHES HIGH FOR HANDICAPPED ACCESSIBILITY, FLOOR OUTLET, WHITE VITREOUS CHINA, SIPHON JET CLOSET WITH ELONGATED BOWL, CLOSE COUPLED INSULATED PRESSURE ASSISTED TANK WITH FLUSHING HANDLE ON WIDE SIDE OF TOILET AREA, COVER AND ANTI-SIPHON BALL COCK. WATER CLOSET SHALL FLUSH ON 1.1 GALLONS OF WATER OR LESS. ACCEPTABLE MANUFACTURERS: ZURN (Z5561), KOHLER, AMERICAN STANDARD, ELJER, CRANE, GERBER. ACCESSORIES: PROVIDE WITH WHITE ANTI-MICROBIAL OPEN FRONT SEAT WITH COVER, LOOSE KEY ANGLE STOP AND ESCUTCHEON. VERIFY EQUIPMENT LOCATION AND ROUGH IN REQUIREMENTS.	1/2"	N/A	4"	2"

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11/25/2025 11:23:13 AM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WADE ROSS
NUMBER PE-2024026452
PROFESSIONAL ENGINEER
11.26.2025
Exp. 12.31.2026

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OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT, DESIGN
AND CONSTRUCTION

DEPARTMENT OF NATURAL
RESOURCES DIVISION OF STATE
PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001 ☒	(2B)Cabin C	7815232004 ☒
Lower Dorm	7815232010 ☒	(2B)Cabin D	7815232005 ☒
Gymnasium	7815232011 ☐	(2B)Cabin E	7815232006 ☒
Game Room	7815232012 ☐	(2B)Cabin F	7815232007 ☒
Family Cabin	7815232013 ☒	(2B)Cabin G	7815232008 ☒
RR Building	7815232014 ☒	(2B)Cabin H	7815232009 ☒

#	DATE:	DESCRIPTION:

DRAWN BY: CJA
CHECKED BY: DAH
DESIGNED BY: EJG

SHEET TITLE:

SCHEDULES

SHEET NUMBER:

P-603

SHEET 178 of 219
ISSUE DATE 11/26/2025

SYMBOLS LEGEND

NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS

HYDRONIC

- 3-WAY CONTROL VALVE
- ANGLE GATE VALVE
- ANGLE GLOBE VALVE
- BALANCING/SHUTOFF VALVE
- BALL VALVE
- BUTTERFLY VALVE
- CALIBRATED BALANCING VALVE
- CHECK VALVE
- CONTROL VALVE
- EXPANSION VALVE
- GAS COCK
- GATE VALVE
- GLOBE VALVE
- PLUG VALVE
- PRESSURE REDUCING VALVE (WATER)
- PRESSURE REGULATOR (GAS)
- QUICK OPEN VALVE
- SAFETY RELIEF VALVE
- SOLENOID VALVE
- VACUUM RELIEF VALVE
- AUTOMATIC AIR VENT
- MANUAL AIR VENT
- (F) FLOW SENSOR/SWITCH
- (P) PRESSURE SENSOR/SWITCH
- (T) TEMPERATURE SENSOR/SWITCH
- PRESSURE GAUGE
- THERMOMETER
- PIPE SLOPE ARROW
- PIPE ANCHOR
- PIPE GUIDES
- PIPE EXPANSION JOINT
- FLEXIBLE PIPE CONNECTOR
- PIPE UNION
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- WYE STRAINER
- WYE STRAINER W/DRAIN VALVE
- DIRECTION OF FLOW
- STEAM BUCKET TRAP
- STEAM F&T TRAP
- BACKFLOW PREVENTER
- PRESSURE/TEMPERATURE PLUG
- PUMP
- (M) METER
- PIPE TURNING UP
- PIPE TURNING DOWN
- TEE OFF TOP
- TEE OFF BOTTOM
- PIPE TEE
- PIPE CAP
- PLAN 90 DEGREE ELBOW
- PLAN 45 DEGREE ELBOW

PIPING SYSTEM (SOLID LINE)

BD	BOILER BLOW DOWN
CD	CONDENSATE DRAIN
CHS	CHILLED WATER SUPPLY
CWS	CONDENSER WATER SUPPLY
HCWS	DUAL TEMPERATURE SUPPLY
HPS	HIGH PRESSURE STEAM
HRS	HEAT RECOVERY SUPPLY
HTWS	HIGH TEMP WATER SUPPLY
HWS	HOT WATER SUPPLY
LPS	LOW PRESSURE STEAM
LS	LOOP SUPPLY
MPS	MEDIUM PRESSURE STEAM
PD	PUMP DISCHARGE
RHG	REFRIGERANT HOT GAS
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION

PIPING SYSTEM (DASHED LINE)

CHR	CHILLED WATER RETURN
CWR	CONDENSER WATER RETURN
HCWR	DUAL TEMPERATURE RETURN
HPR	HIGH PRESSURE STEAM CONDENSATE RETURN
HRR	HEAT RECOVERY RETURN
HTWR	HIGH TEMP WATER RETURN
HWR	HOT WATER RETURN
LPR	LOW PRESSURE STEAM CONDENSATE RETURN
LR	LOOP RETURN
MPR	MEDIUM PRESSURE STEAM CONDENSATE RETURN

VENTILATION

- THERMOSTAT
- (T) AHU-1 — EQUIPMENT TO BE CONTROLLED
- GUARD — LOCKABLE GUARD WHERE INDICATED
- TEMP, HUMID, CO, CO2 (S) — ELEMENT TO BE MONITORED
- GUARD — LOCKABLE GUARD WHERE INDICATED
- (H) HUMIDISTAT
- $ WALL SWITCH
- CFM TRANSFER AIR
- 12x8 RECTANGULAR DUCT
- 12"ø ROUND DUCT
- 12x8Φ FLAT OVAL DUCT
- SUPPLY DIFFUSER/REGISTER
- RETURN REGISTER/GRILLE
- EXHAUST REGISTER/GRILLE
- DIFFUSER AIRFLOW PATTERN IF OTHER THAN 4-WAY BLOW
- FLEXIBLE BRANCH RUNOUT TO SUPPLY DIFFUSER, 36" MAX LENGTH
- CEILING RETURN REGISTER WITH LINED DUCT FOR SOUND ATTENUATION OPEN TO CEILING PLENUM
- FLEXIBLE DUCT CONNECTION TO EQUIPMENT OR BETWEEN DUCTS
- VOLUME DAMPER
- MOTORIZED DAMPER
- FIRE DAMPER
- SMOKE DAMPER
- COMBINATION FIRE/SMOKE DAMPER
- SUPPLY AIR DUCT TOWARDS
- SUPPLY AIR DUCT AWAY
- RETURN/OUTDOOR AIR DUCT TOWARDS
- RETURN/OUTDOOR AIR DUCT AWAY
- EXHAUST AIR DUCT TOWARDS
- EXHAUST AIR DUCT AWAY

GENERAL

- AHU / 1 — MECHANICAL EQUIPMENT TAG: EQUIPMENT TYPE / EQUIPMENT MARK
- S1 — AIR TERMINAL DESIGNATION: 12x12 THROAT SIZE / 250 AIRFLOW IN CFM
- ## / # — DETAIL OR SECTION MARK: DETAIL # / SHEET #
- # KEYNOTE
- POINT OF NEW CONNECTION
- CAP EXISTING PIPE OR DUCT
- NEW — BOLD TEXT INDICATES PROPOSED ITEM
- *EXISTING* — ITALIC TEXT INDICATES EXISTING ITEM
- LINE STYLE INDICATES DEMOLISHED ITEM

ABBREVIATIONS

AC	ABOVE CEILING/AIR CONDITIONER
ACC	AIR COOLED CONDENSER
AF	AIR FILTER
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AL	ALUMINUM
AMS	AIR MEASURING STATION
AS	AIR SEPARATOR
AV	AUTOMATIC AIR VENT
B	BOILER
BAS	BUILDING AUTOMATION SYSTEM
BDD	BACKDRAFT DAMPER
BFC	BELOW FINISHED CEILING
BFP	BACKFLOW PREVENTION DEVICE
BJ	BETWEEN JOISTS
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTUH	BRITISH THERMAL UNITS PER HOUR
CA	COMPRESSED AIR
CBS	COUNTER BALANCED SHUTTER
CC	COOLING COIL
CF	CEILING / CIRCULATING FAN
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CHP	CHILLED WATER PUMP
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CNV	CONVECTOR
COND	CONDENSATE
CP	CONDENSATE PUMP
CRAC	COMPUTER ROOM AIR CONDITIONER
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	CONTROL VALVE
CW	DOMESTIC COLD WATER
CWP	CONDENSER WATER PUMP
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
DAC	DOOR AIR CURTAIN
DC	DRY COOLER
DH	DEHUMIDIFIER
DN	DOWN
DOAS	DEDICATED OUTDOOR AIR SYSTEM
DP	DIFFERENTIAL PRESSURE
DS	DUCT SILENCER
DSU	DUCTLESS SPLIT UNIT
DX	DX COOLING COIL
EA	EXHAUST AIR
EBB	ELECTRIC BASEBOARD HEATER
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EG	EXHAUST GRILLE (LESS DAMPER)
EHC	ELECTRIC HEATING COIL
EL	ELEVATION
ER	EXHAUST REGISTER
ERP	ELECTRIC RADIANT PANEL
ERV	ENERGY RECOVERY VENTILATOR
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
FA	FRESH AIR
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FDC	FLEXIBLE DUCT CONNECTION
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FPC	FLEXIBLE PIPE CONNECTION
FPT	FAN POWERED AIR TERMINAL
FT	FINNED TUBE RADIATION
GC	GENERAL CONTRACTOR
GF	GAS FURNACE
GIH	GRAVITY INTAKE HOOD
GPM	GALLONS PER MINUTE
GR	GLYCOL RETURN
GRH	GAS RADIANT HEATER
GS	GLYCOL SUPPLY
GUH	GAS UNIT HEATER
HU	HUMIDIFIER
HC	HEATING COIL
HCWR	DUAL TEMPERATURE RETURN
HCWS	DUAL TEMPERATURE SUPPLY
HP	HEAT PUMP
HPR	HIGH PRESSURE STEAM RETURN
HPS	HIGH PRESSURE STEAM SUPPLY
HRC	HEAT RECOVERY COIL
HRV	HEAT RECOVERY VENTILATOR (SENSIBLE)
HS	HUMIDITY SENSOR
HWP	HOT WATER PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
ISP	INTERNAL STATIC PRESSURE
KH	KITCHEN HOOD - COMMERCIAL
L	LOUVER
LPR	LOW PRESSURE STEAM RETURN
LPS	LOW PRESSURE STEAM SUPPLY
MA	MIXED AIR
MAU	MAKEUP AIR UNIT
MBH	THOUSANDS OF BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MD	MOTORIZED DAMPER
MS	MOTORIZED SHUTTER
NTS	NOT TO SCALE
OA	OUTDOOR AIR
OBD	OPPOSED BLADE DAMPER
P	PUMP
PC	PLUMBING CONTRACTOR
PBD	PARALLEL BLADE DAMPER
PDH	POOL ROOM DEHUMIDIFIER
PRV	PRESSURE RELIEF VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
PTAC	PACKAGED TERMINAL AIR CONDITIONER
RA	RETURN AIR
RF	RETURN AIR FAN
RG	RETURN GRILLE (LESS DAMPER)
RH	ROOF HOOD
RHC	REHEAT COIL
RLFA	RELIEF AIR
RP	RADIANT PANEL
RPZ	REDUCED PRESSURE BFP
RR	RETURN REGISTER (WITH DAMPER)
RTU	ROOFTOP AIR HANDLING UNIT
SA	SUPPLY AIR
SAS	SELF-ACTING SHUTTER
SD	SUPPLY DIFFUSER/SMOKE DAMPER
SF	SUPPLY FAN / SQUARE FOOT
SFD	SMOKE/FIRE DAMPER
SG	SUPPLY GRILLE
SR	SUPPLY REGISTER
TCAC	TEMP. CONTROL AIR COMPRESSOR
TCAD	TEMP. CONTROL AIR DRYER
TDV	TRIPLE DUTY VALVE
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
TJ	THROUGH JOISTS
TOD	TOP OF DUCT
TOP	TOP OF PIPE
TSP	TOTAL STATIC PRESSURE
UC	UNIT COOLER
UFD	UNDERFLOOR DUCT
UFT	UNDERFLOOR FAN TERMINAL
UH	UNIT HEATER
UV	UNIT VENTILATOR
VAV	VARIABLE AIR VOLUME TERMINAL
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VRP	VERTICAL RADIANT PANEL
WAC	WINDOW / WALL AIR CONDITIONER

GENERAL NOTES

COMMON REQUIREMENTS

A. THIS FACILITY HAS BEEN DESIGNATED A "SMOKE-FREE" ENVIRONMENT. NO MECHANICAL VENTILATION PROVISIONS HAVE BEEN MADE TO ACCOMMODATE TOBACCO USAGE BY THE BUILDING OCCUPANTS

B. ALL MECHANICAL SYSTEMS SHALL BE INSTALLED TO THE SATISFACTION OF THE LOCAL CODE AUTHORITIES HAVING JURISDICTION

C. EVERY ATTEMPT HAS BEEN MADE TO COORDINATE THE ROUTING OF DUCTWORK WITHIN THE CLEAR STRUCTURAL SPACE. ACTUAL LOCATION OF ALL STRUCTURAL MEMBERS WILL NEED TO BE FIELD VERIFIED. WHERE POSSIBLE, REFRAIN FROM PREFABRICATING DUCTWORK DESIGNATED FOR INSTALLATION UNTIL ACTUAL STRUCTURAL CONDITIONS CAN BE FIELD VERIFIED.

D. EVERY ATTEMPT HAS BEEN MADE TO COORDINATE THE ROUTING OF DUCTWORK WITHIN THE WOOD TRUSSED ATTIC SPACE. ACTUAL LOCATION OF TRUSS WEBS WILL NEED TO BE FIELD VERIFIED. WHERE POSSIBLE, REFRAIN FROM PREFABRICATING DUCTWORK DESIGNATED FOR INSTALLATION WITHIN THE ATTIC UNTIL ACTUAL STRUCTURAL CONDITIONS CAN BE FIELD VERIFIED.

MECHANICAL EQUIPMENT INSTALLATION

A. INSTALL EQUIPMENT TO ALLOW MAXIMUM POSSIBLE HEADROOM UNLESS SPECIFIC MOUNTING HEIGHTS ARE INDICATED

B. INSTALL EQUIPMENT LEVEL AND PLUMB, PARALLEL AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS IN EXPOSED INTERIOR SPACES, UNLESS OTHERWISE INDICATED

C. INSTALL HVAC EQUIPMENT TO FACILITATE SERVICE, MAINTENANCE, AND REPAIR OR REPLACEMENT OF COMPONENTS. CONNECT EQUIPMENT FOR EASE OF REMOVAL, WITH MINIMUM INTERFERENCE TO OTHER INSTALLATIONS

D. ALL MECHANICAL EQUIPMENT WITH THE EXCEPTION OF AIR HANDLING UNITS, SUPPORTED FROM FLOOR STRUCTURE SHALL BE MOUNTED ON 4" THICK CONCRETE HOUSEKEEPING PADS UNLESS NOTED OTHERWISE. AIR-HANDLING UNITS SHALL BE MOUNTED ON 6" THICK CONCRETE HOUSEKEEPING PADS TO ACCOMMODATE PROPER TRAPPING OF THE CONDENSATE DRAIN

E. AIR FILTERS SHALL BE REPLACED IN ALL AIR HANDLING EQUIPMENT EMPLOYING SUCH PRIOR TO FINAL COMPLETION AND OWNER OCCUPANCY

F. THE INSTALLING CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ALL MECHANICAL EQUIPMENT PUT INTO OPERATION PRIOR TO THE INSTALLATION OF A WORKING CONTROL SYSTEM, TESTING, AND BALANCING, AND SUBSTANTIAL COMPLETION. ALL RETURN AND EXHAUST DUCT OPENINGS SHALL BE COVERED WITH ROLL TYPE FILTER MEDIA DURING SUCH TEMPORARY OPERATION. OPERATION OF THE MECHANICAL EQUIPMENT PRIOR TO FINAL COMPLETION SHALL NOT IMPACT THE EQUIPMENT WARRANTY. MINIMUM 1-YEAR FROM SUBSTANTIAL COMPLETION UNLESS SPECIFIED OTHERWISE

G. PROVIDE FLEXIBLE DUCT CONNECTION BETWEEN MOTOR DRIVEN MECHANICAL UNITS AND SHEET METAL SUPPLY, OUTDOOR AIR, EXHAUST, AND/OR RETURN AIR DUCTWORK CONNECTIONS

H. PROVIDE FLEXIBLE PIPE CONNECTION BETWEEN MOTOR DRIVEN MECHANICAL UNITS AND CONNECTING PIPING

I. BASIS OF DESIGN MECHANICAL EQUIPMENT IS AS SCHEDULED ON THE DRAWINGS. INSTALLING CONTRACTOR ASSUMES RESPONSIBILITY FOR COORDINATING PHYSICAL SPACE REQUIREMENTS OF EQUIVALENT CAPACITY MECHANICAL EQUIPMENT DEEMED ACCEPTABLE BY THE ENGINEER

J. MECHANICAL EQUIPMENT FACTORY FINISH DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION PRIOR TO FINAL ACCEPTANCE

DUCTWORK REQUIREMENTS

A. DUCTWORK IS SHOWN IN SCHEMATIC FORM. ALL REQUIRED DUCT RISERS AND DROPS TO ALLOW GENERAL ROUTING DEPICTED MAY NOT BE SHOWN. PROVIDE OFFSETS AS REQUIRED TO MEET SPACE REQUIREMENTS AND TO AVOID INTERFERENCE WITH OTHER TRADES AND FIELD CONDITIONS. EXACT LOCATION OF THE DUCTWORK MAY VARY ACCORDING TO THE COORDINATED SPACE REQUIREMENTS. EACH TRADE SHALL BE TOTALLY RESPONSIBLE FOR COORDINATION WITH OTHER TRADES. NOTIFY ENGINEER OF CONDITIONS REPRESENTING SIGNIFICANT CHANGES TO THE DESIGNED ROUTING

B. COMPLY WITH NFPA 90A, "INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS," UNLESS OTHERWISE INDICATED

C. COMPLY WITH NFPA 90B, "INSTALLATION OF WARM AIR HEATING AND AIR CONDITIONING SYSTEMS," UNLESS OTHERWISE INDICATED

D. FABRICATE RECTANGULAR DUCTS, ELBOWS, TRANSITIONS, OFFSETS, BRANCH CONNECTIONS, AND OTHER CONSTRUCTION WITH GALVANIZED, SHEET STEEL, ACCORDING TO SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS--METAL AND FLEXIBLE." COMPLY WITH REQUIREMENTS FOR METAL THICKNESS, REINFORCING TYPES AND INTERVALS, TIE-ROD APPLICATIONS, AND JOINT TYPES AND INTERVALS

E. COORDINATE SIZE, QUANTITY, AND LOCATION OF ALL OPENINGS REQUIRED FOR DUCT AND PIPE PENETRATIONS THROUGH WALLS, FLOORS, AND ROOFS, WITH CONTRACTOR RESPONSIBLE FOR ROUGH FRAMING. COORDINATE LOCATION OF AIR INTAKES WITH EXHAUST AND PLUMBING VENTS SO THAT INTAKES ARE A MINIMUM OF 10 FEET FROM EXHAUST OPENINGS OR PLUMBING VENTS

F. INSTALL DUCTS IN LONGEST LENGTH POSSIBLE AND FEWEST POSSIBLE JOINTS. INSTALL FABRICATED FITTINGS FOR CHANGES IN DIRECTIONS, CHANGES IN SIZE AND SHAPE, AND CONNECTIONS

G. INSTALL DUCTS, UNLESS OTHERWISE INDICATED, VERTICALLY AND HORIZONTALLY, PARALLEL AND PERPENDICULAR TO BUILDING LINES; AVOID DIAGONAL RUNS UNLESS SPECIFICALLY INDICATED ON DRAWINGS

H. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED DEVICES. COORDINATE MECHANICAL CEILING DEVICES SUCH AS DIFFUSERS AND REGISTERS WITH LIGHT FIXTURES, SPEAKERS, SPRINKLER HEADS, ETC.

I. ELECTRICAL EQUIPMENT SPACES: ROUTE DUCTWORK TO AVOID PASSING THROUGH TRANSFORMER VAULTS AND ELECTRICAL EQUIPMENT SPACES AND ENCLOSURES. AVOID ROUTING DUCTWORK DIRECTLY ABOVE ELECTRICAL EQUIPMENT UNLESS SPECIFICALLY INDICATED ON THE MECHANICAL DRAWINGS

J. NON-FIRE-RATED PARTITION PENETRATIONS: WHERE DUCTS PASS THROUGH INTERIOR PARTITIONS AND ARE EXPOSED TO VIEW IN MECHANICAL ROOMS, CONCEAL SPACE BETWEEN CONSTRUCTION OPENING AND DUCT OR DUCT INSULATION WITH SHEET METAL FLANGES OF SAME METAL THICKNESS AS DUCT. OVERLAP OPENING ON FOUR SIDES BY AT LEAST 1-1/2 INCHES UNLESS INDICATED OTHERWISE

K. FIRE-RATED PARTITION PENETRATIONS: WHERE DUCTS PASS THROUGH INTERIOR PARTITIONS, INSTALL APPROPRIATELY RATED FIRE DAMPER. FIRE DAMPER INSTALLATION MUST STRICTLY ADHERE TO MANUFACTURER'S WRITTEN INSTRUCTIONS

L. PROVIDE MANUAL VOLUME-CONTROL BALANCING DAMPER AT ALL BRANCH DUCTS AND AT ALL OTHER LOCATIONS REQUIRED FOR A COMPLETE AND BALANCEABLE AIR DISTRIBUTION SYSTEM

M. BALANCE ENTIRE AIR DISTRIBUTION SYSTEM TO AIRFLOW QUANTITIES INDICATED ON MECHANICAL DRAWINGS

N. FLEXIBLE DUCTWORK SHALL BE ALLOWED ONLY IN POSITIVE PRESSURE APPLICATIONS AT SUPPLY BRANCH RUNOUTS TO DIFFUSERS ABOVE ACCESSIBLE CEILINGS. FLEXIBLE DUCTWORK SHALL NOT EXCEED 36" IN LENGTH. 90 DEGREE TURNS SHALL ONLY BE ALLOWED IF RETAINING BANDS EQUAL TO THERMAFLEX "FLEX-FLOW" ARE EMPLOYED. UNDER NO CIRCUMSTANCES SHALL FLEXIBLE DUCTWORK BE ALLOWED IN NEGATIVE PRESSURE APPLICATIONS

PIPING SYSTEM REQUIREMENTS

A. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS. INDICATED LOCATIONS AND ARRANGEMENTS WERE USED TO SIZE PIPE AND CALCULATE FRICTION LOSS, EXPANSION, PUMP SIZING, AND OTHER DESIGN CONSIDERATIONS. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED BY ENGINEER

B. DELIVER PIPES AND TUBES WITH FACTORY-APPLIED END CAPS. MAINTAIN END CAPS THROUGH SHIPPING, STORAGE, AND HANDLING TO PREVENT PIPE END DAMAGE AND TO PREVENT ENTRANCE OF DIRT, DEBRIS, AND MOISTURE

C. COORDINATE PIPE ROUTINGS, CHASES, AND OPENINGS IN BUILDING STRUCTURE WITH ALL TRADES DURING PROGRESS OF CONSTRUCTION. COORDINATE INSTALLATION OF REQUIRED SUPPORTING DEVICES AND SET SLEEVES IN POURED-IN-PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS AS THEY ARE CONSTRUCTED

D. INSTALL PIPING IN CONCEALED LOCATIONS, UNLESS OTHERWISE INDICATED AND EXCEPT IN EQUIPMENT ROOMS AND SERVICE AREAS. INSTALL PIPING INDICATED TO BE EXPOSED AND PIPING IN EQUIPMENT ROOMS AND SERVICE AREAS AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE PROHIBITED UNLESS SPECIFICALLY INDICATED OTHERWISE

E. INSTALL PIPING ABOVE ACCESSIBLE CEILINGS TO ALLOW SUFFICIENT SPACE FOR CEILING PANEL REMOVAL

F. INSTALL PIPING TO PERMIT VALVE SERVICING

G. INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS

H. INSTALL PIPING TO ALLOW APPLICATION OF INSULATION

I. INSTALL ESCUTCHEONS FOR PENETRATIONS OF FINISHED WALLS, CEILINGS, AND FLOORS

J. SLEEVES ARE NOT REQUIRED FOR CORE-DRILLED HOLES.

K. PERMANENT SLEEVES ARE NOT REQUIRED FOR HOLES FORMED BY REMOVABLE PE SLEEVES

L. INSTALL SLEEVES FOR PIPES PASSING THROUGH CONCRETE AND MASONRY WALLS AND CONCRETE FLOOR AND ROOF SLABS

M. UNDERGROUND, EXTERIOR-WALL PIPE PENETRATIONS: INSTALL CAST-IRON "WALL PIPES" FOR SLEEVES. SEAL PIPE PENETRATIONS USING MECHANICAL SLEEVE SEALS. SELECT SLEEVE SIZE TO ALLOW FOR 1-INCH ANNULAR CLEAR SPACE BETWEEN PIPE AND SLEEVE FOR INSTALLING MECHANICAL SLEEVE SEALS

N. FIRE-BARRIER PENETRATIONS: MAINTAIN INDICATED FIRE RATING OF WALLS, PARTITIONS, CEILINGS, AND FLOORS AT PIPE PENETRATIONS. SEAL PIPE PENETRATIONS WITH FIRESTOP MATERIALS.

O. VERIFY FINAL EQUIPMENT LOCATIONS FOR ROUGHING-IN.

DEMOLITION

A. VERIFY EXACT SIZE AND LOCATION OF EXISTING UTILITIES PRIOR TO START OF DEMOLITION WORK

B. RELOCATE, REMOVE, AND ADJUST ALL MECHANICAL AND ELECTRICAL ITEMS AS REQUIRED TO ACCOMPLISH SCOPE OF NEW WORK

C. EXISTING MECHANICAL ITEMS ARE SHOWN IN SCHEMATIC FORM BASED UPON EXISTING CONSTRUCTION DOCUMENTS AND/OR FIELD INVESTIGATION

D. REMOVE EXISTING PIPING AND DUCTWORK BACK TO LAST ACTIVE SERVICE AND CAP

E. FIXTURES AND EQUIPMENT INDICATED TO BE REUSED OR SALVAGED SHALL REMAIN THE PROPERTY OF THE OWNER AND BE STORED IN A LOCATION AS DIRECTED BY OWNER'S REPRESENTATIVE

F. IN LOCATIONS WHERE EXISTING CONSTRUCTION IS REMOVED AND NO ADDITIONAL CONSTRUCTION IS INDICATED, PATCH EXISTING CONSTRUCTION TO MATCH ADJACENT SURFACES AND FINISHES

G. CONNECTIONS TO, AND SHUTDOWNS OF, EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE TO ALLOW MINIMUM INTERFERENCE WITH OWNER'S OPERATION AND DOWNTIME OF EXISTING UTILITIES. CONTRACTOR SHALL SUBMIT TO OWNER FOR REVIEW AND APPROVAL THE PROPOSED PHASING PLAN FOR CONNECTING NEW SERVICES TO EXISTING

DESIGN CONDITIONS

HVAC DESIGN LOAD CALCULATIONS ARE BASED ON THE FOLLOWING CLIMATE DATA:

CITY AND STATE: SPRINGFIELD, MO

WINTER OUTDOOR AMBIENT DB: 4.0°F DB

SUMMER OUTDOOR AMBIENT DB/WB: 95.3°F DB/ 74.1°F WB

MECHANICAL SYSTEMS HAVE BEEN DESIGNED BASED UPON THE 2021 INTERNATIONAL MECHANICAL CODE, 2021 INTERNATIONAL ENERGY CONSERVATION CODE, NATIONAL FIRE PROTECTION (NFPA) STANDARDS, AND ACCEPTED AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR-CONDITIONING ENGINEERS (ASHRAE) ACCEPTED STANDARDS AND PRACTICES

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WADE ROSS
NUMBER PE-2024026452
PROFESSIONAL ENGINEER

11.26.2025
Exp. 12.31. 2026

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

SHEET TITLE:

GENERAL INFORMATION

SHEET NUMBER:

M-001

SHEET 179 of 219
ISSUE DATE 11/26/2025

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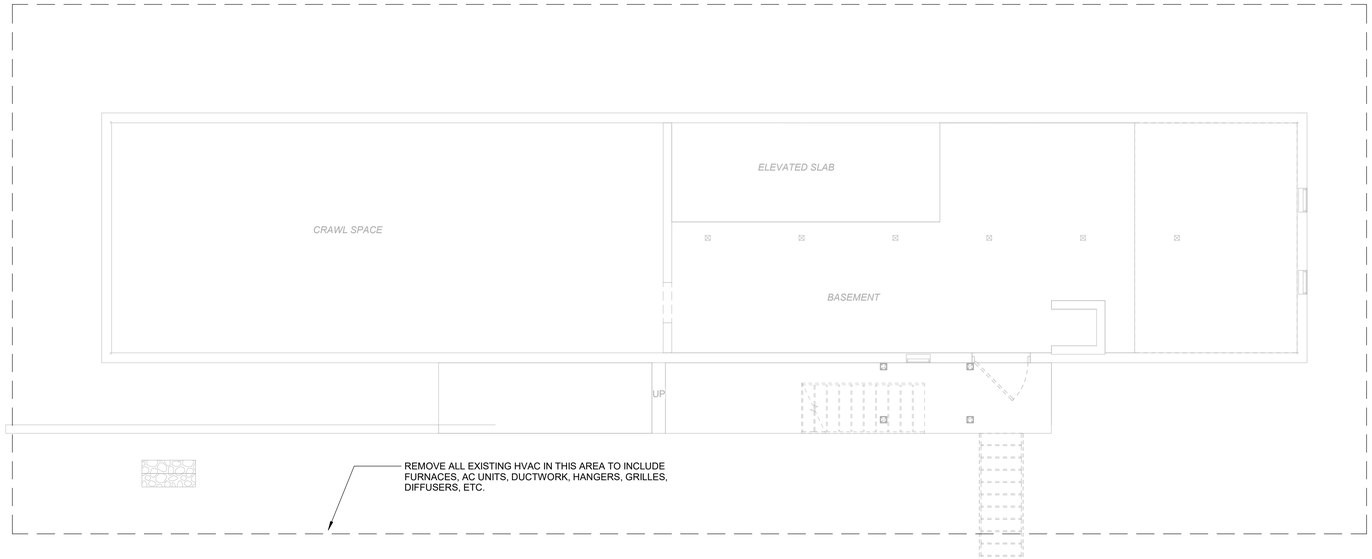
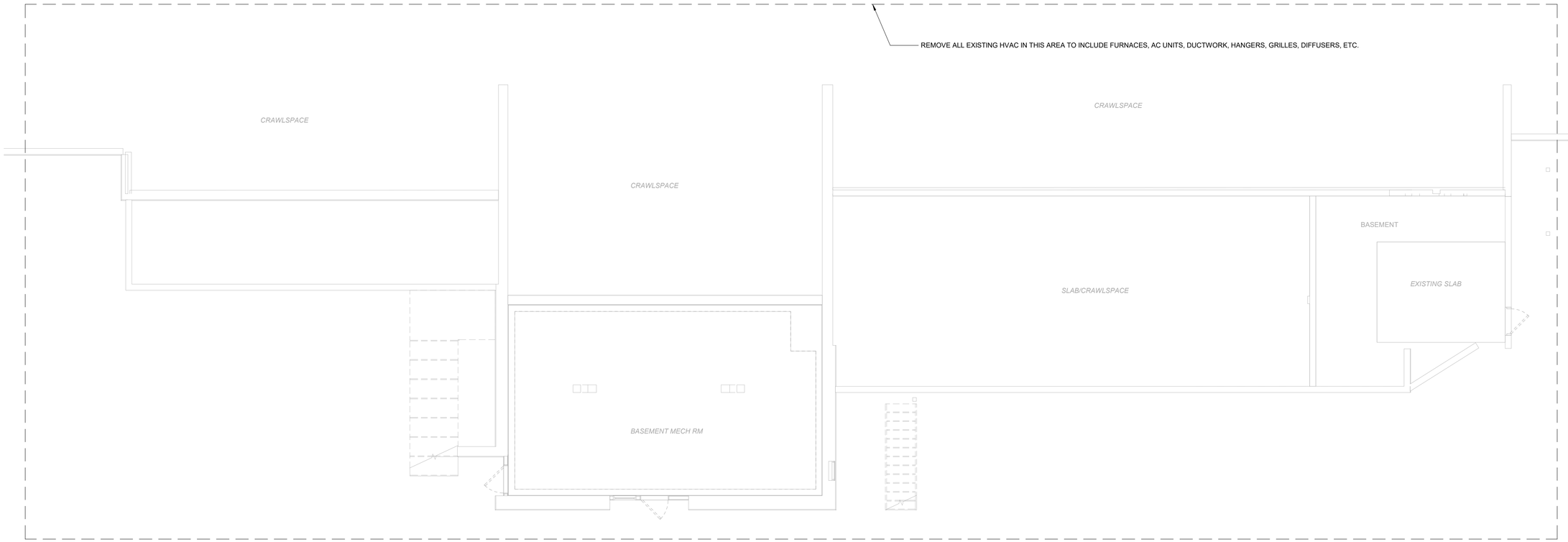


2 LOWER DORM BASEMENT MECHANICAL DEMOLITION PLAN - ALTERNATE #1

SCALE: 3/16" = 1'-0"

0 2 4 8

TRUE NORTH



1 LODGE BASEMENT MECHANICAL DEMOLITION PLAN

SCALE: 3/16" = 1'-0"

0 2 4 8

TRUE NORTH

11/26/2025 8:31:17 AM

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GOVERNOR

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Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

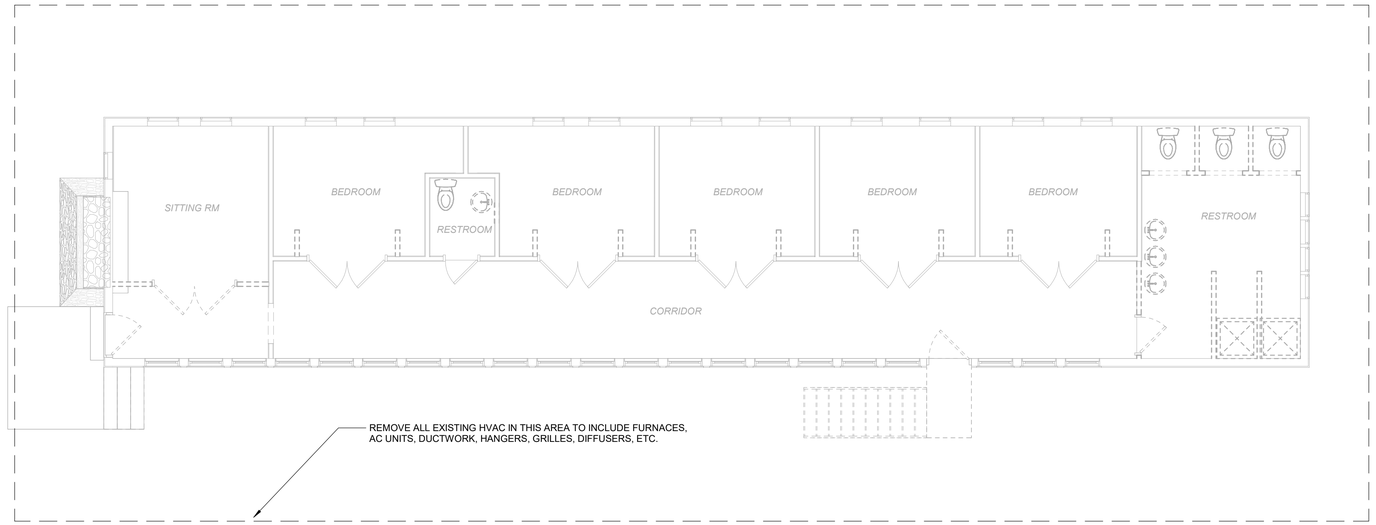
SHEET TITLE:

LODGE & LOWER DORM BASEMENT MECHANICAL DEMOLITION PLANS

SHEET NUMBER:

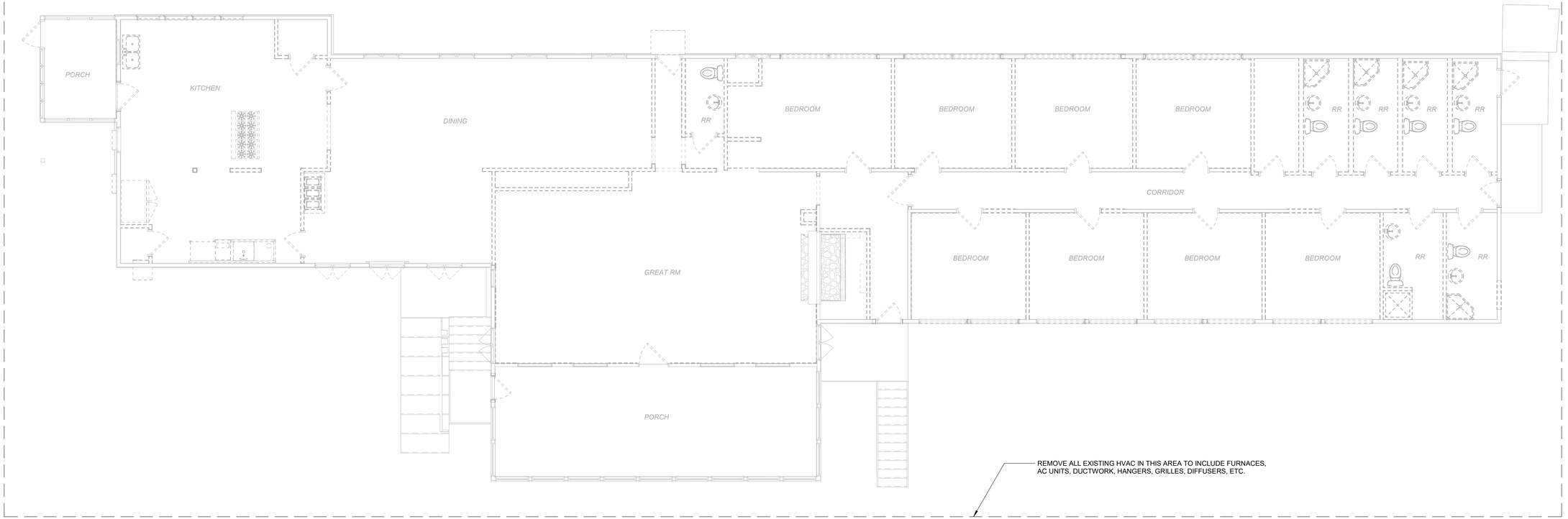
MD-101

SHEET 180 of 219
ISSUE DATE 11/26/2025



2 **LOWER DORM FIRST FLOOR MECHANICAL DEMOLITION PLAN - ALTERNATE #1**
SCALE: 3/16" = 1'-0"

0 2 4 8 TRUE NORTH



1 **LODGE FIRST FLOOR MECHANICAL DEMOLITION PLAN**
SCALE: 3/16" = 1'-0"

0 2 4 8 TRUE NORTH

11/26/2025 8:31:19 AM

STATE OF MISSOURI
MIKE L. KEHOE,
GOVERNOR

STATE OF MISSOURI
WADE ROSS
NUMBER PE-2024026452
PROFESSIONAL ENGINEER
11.26.2025
Exp. 12.31. 2026

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MANAGEMENT, DESIGN
AND CONSTRUCTION

DEPARTMENT OF NATURAL
RESOURCES DIVISION OF STATE
PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

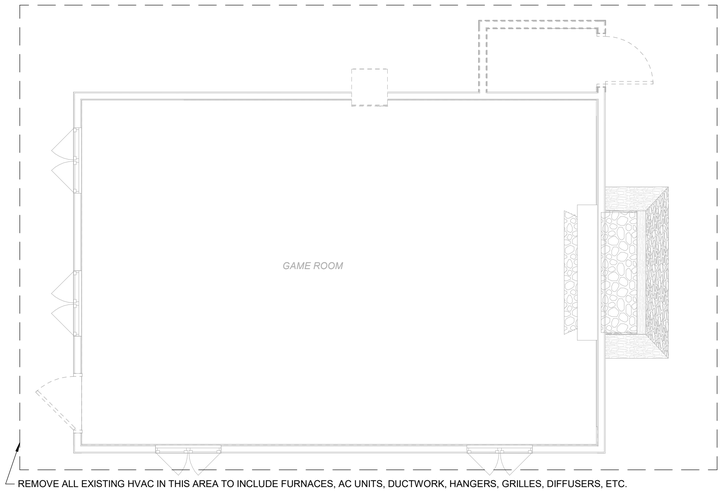
SHEET TITLE:

LODGE & LOWER DORM FIRST FLOOR MECHANICAL DEMOLITION PLANS

SHEET NUMBER:

MD-102

SHEET 181 of 219
ISSUE DATE 11/26/2025



REMOVE ALL EXISTING HVAC IN THIS AREA TO INCLUDE FURNACES, AC UNITS, DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC.

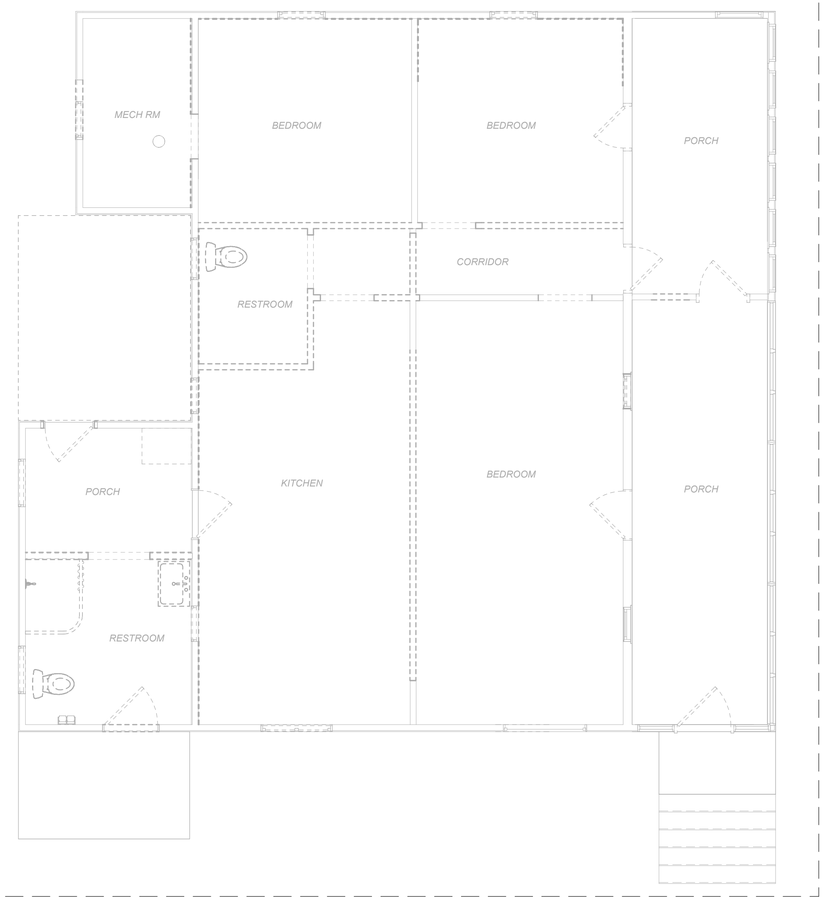
2 GAME ROOM FIRST FLOOR MECHANICAL DEMOLITION PLAN - ALTERNATE #3

SCALE: 1/4" = 1'-0"

0 2 4 8

TRUE NORTH

REMOVE ALL EXISTING HVAC IN THIS AREA TO INCLUDE FURNACES, AC UNITS, DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC.



1 FAMILY CABIN FIRST FLOOR MECHANICAL DEMOLITION PLAN - ALTERNATE #2

SCALE: 1/4" = 1'-0"

0 2 4 8

TRUE NORTH

11/25/2025 8:13:19 AM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WADE ROSS NUMBER PE-2024026452
PROFESSIONAL ENGINEER

11.26.2025
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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☒	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

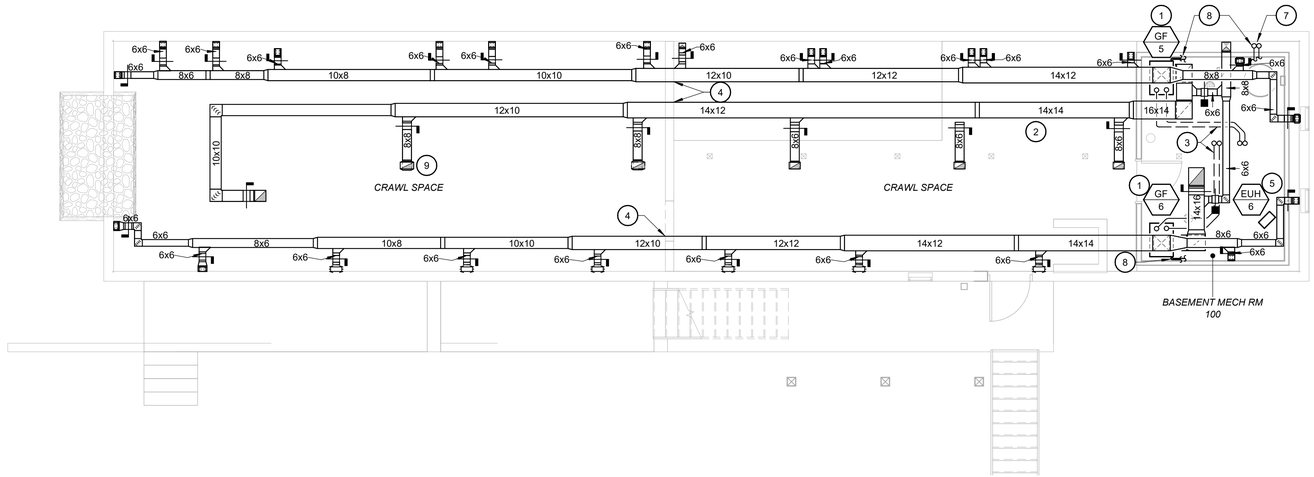
SHEET TITLE:

FAMILY CABIN & GAME ROOM MECHANICAL DEMOLITION PLANS

SHEET NUMBER:

MD-103

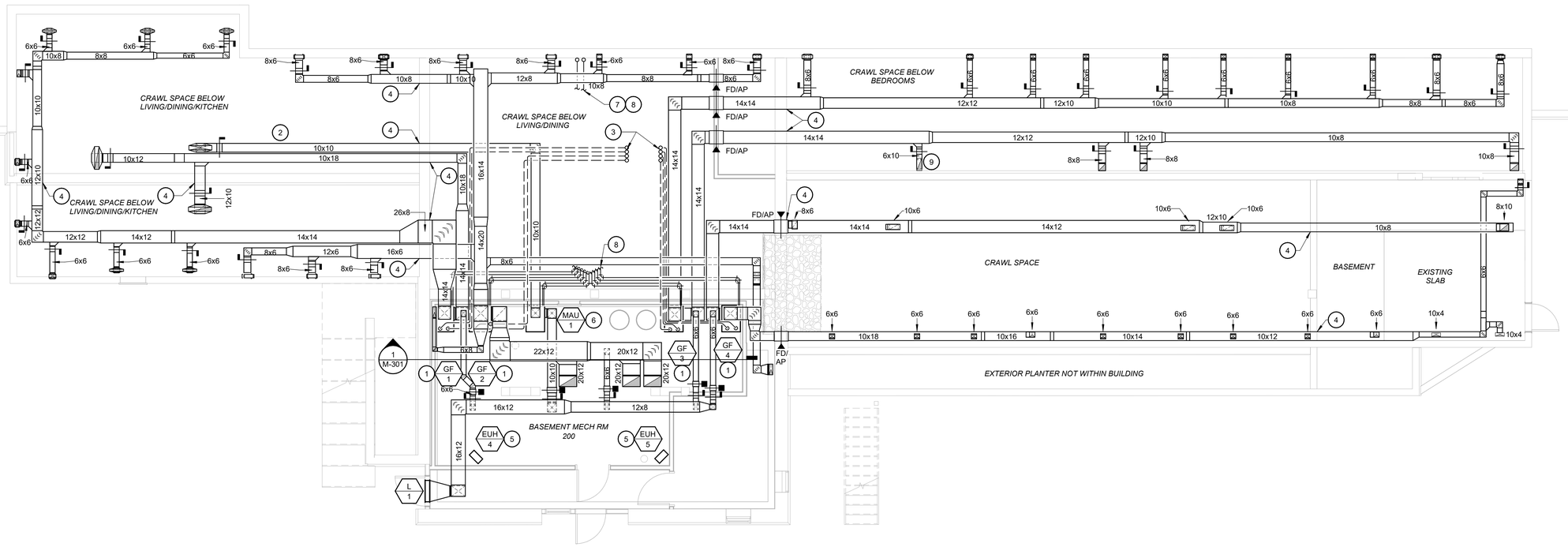
SHEET 182 of 219
ISSUE DATE 11/26/2025



2 LOWER DORM BASEMENT MECHANICAL PLAN - ALTERNATE #1

SCALE: 3/16" = 1'-0"

0 2 4 8 TRUE NORTH



1 LODGE BASEMENT MECHANICAL PLAN

SCALE: 3/16" = 1'-0"

0 2 4 8 TRUE NORTH

11/25/2025 8:13:21 AM

GENERAL NOTES

A. PROVIDE VOLUME DAMPER ON EACH BRANCH AND AS SHOWN ON THE PLANS TO BALANCE THE AIR FLOW.

KEYNOTES (#)

1 FURNISH AND INSTALL PROPANE GAS FURNACE AND COOLING COIL. CONNECT DUCT, COOLING COIL CONDENSATE DRAIN PIPING, FLUE CONDENSATE DRAIN PIPING, VENT PIPING, AND COMBUSTION AIR PIPING PER MANUFACTURER'S INSTRUCTIONS. ROUTE COOLING COIL CONDENSATE DRAIN PIPING AND FLUE CONDENSATE DRAIN PIPING TO NEAREST FLOOR DRAIN.

2 LOCATE AND ROUTE DUCTWORK IN CRAWL SPACE. SUPPLY AND RETURN DUCTWORK IN CRAWL SPACE SHALL HAVE ALL TRANSVERSE JOINTS, SEAMS, AND WALL PENETRATIONS SEALED. INSULATE DUCTWORK IN CRAWL SPACE AS IN AN UNCONDITIONED SPACE PER THE SPECIFICATIONS.

3 ALL VENTING AND COMBUSTION AIR PIPING SHALL BE INSTALLED PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS USING 3" PIPE AND LONG SWEEP ELBOWS KEEPING THE TOTAL MAXIMUM EQUIVILENT LENGTH BELOW 100 FEET.

4 DUCT PENETRATION THROUGH STRUCTURAL WALL. SEE DETAIL #8 ON STRUCTURAL SHEET S-105 FOR INSTALLATION DETAIL.

5 FURNISH AND INSTALL ELECTRIC UNIT HEATER. MOUNT AS TIGHT TO CEILING AS POSSIBLE. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND MECHANICAL CODE REQUIREMENTS.

6 FURNISH AND INSTALL MAKEUP AIR UNIT AND COOLING COIL. CONNECT DUCT, COOLING COIL, AND CONDENSATE DRAIN PIPING PER MANUFACTURER'S INSTRUCTIONS. ROUTE COOLING COIL CONDENSATE DRAIN PIPING TO NEAREST FLOOR DRAIN.

7 NOT ALL PIPES AND CONDUITS SHOWN FOR CLARITY.

8 FURNISH AND INSTALL REFRIGERANT PIPING AND INSULATE PER THE SPECIFICATIONS.

9 DUCT UP TO DIFFUSER LOCATED ON FIRST FLOOR. SEE ARCH AND STRUCTURAL SHEETS FOR FLOOR PENETRATIONS. TYPICAL.

STATE OF MISSOURI
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GOVERNOR

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

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Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

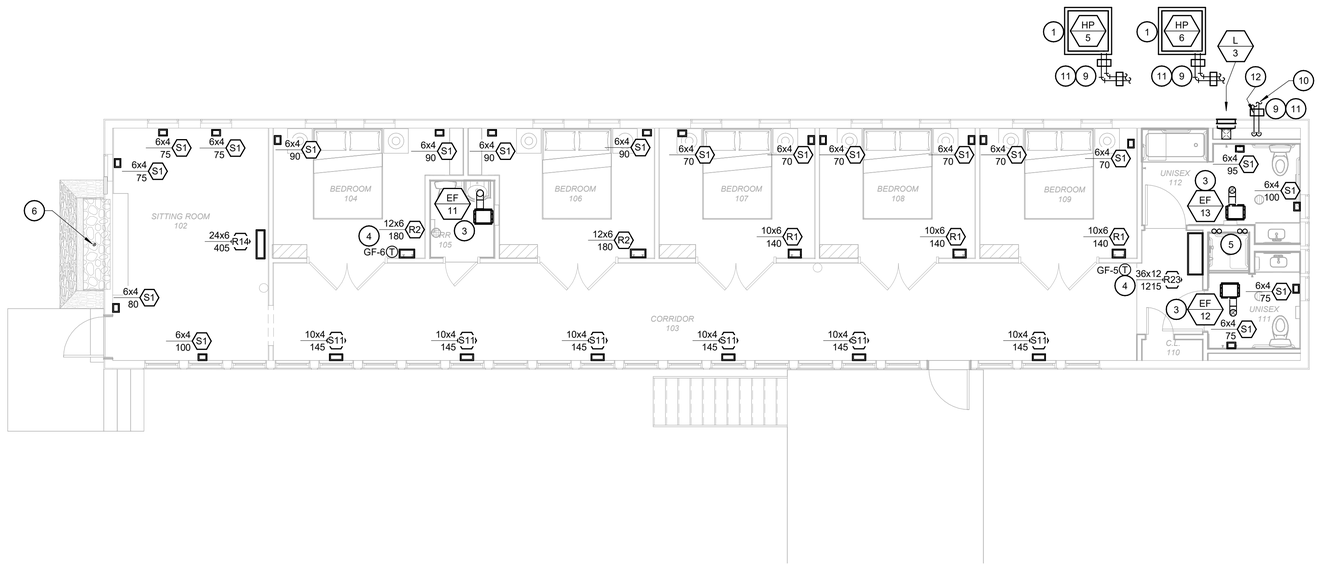
SHEET TITLE:

LODGE & LOWER DORM BASEMENT MECHANICAL PLANS

SHEET NUMBER:

M-101

SHEET 183 of 219
ISSUE DATE 11/26/2025



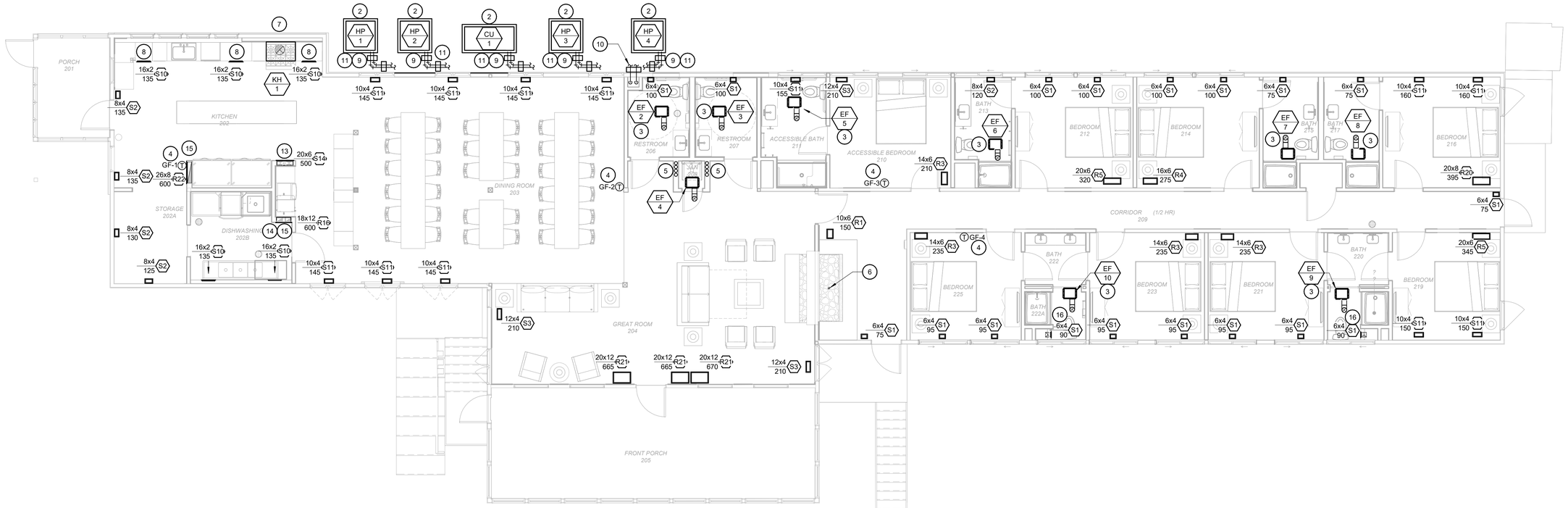
2 LOWER DORM FIRST FLOOR MECHANICAL PLAN - ALTERNATE #1

SCALE: 3/16" = 1'-0"

0 2 4 8 TRUE NORTH

KEYNOTES (#)

1. INSTALL HEAT PUMP CONDENSING UNIT AND ASSOCIATED PIPING. MOUNT UNIT ON MIRO INDUSTRIES MECHANICAL EQUIPMENT STAND SKU: "MINI-SPLIT-1" 12" ABOVE CONCRETE PAD. CONCRETE HOUSEKEEPING PAD DIMENSION OF 64"X64". SEE CIVIL SHEET C-112.4.SEE M-602 DETAIL #3 FOR STAND BASE PLATE CLEARANCES.
2. INSTALL HEAT PUMP CONDENSING UNIT AND ASSOCIATED PIPING. MOUNT UNIT ON MIRO INDUSTRIES MECHANICAL EQUIPMENT STAND SKU: "MINI-SPLIT-1" 12" ABOVE CONCRETE PAD. CONCRETE HOUSEKEEPING PAD DIMENSION OF 64"X64". SEE CIVIL SHEET C-112.4.SEE M-602 DETAIL #3 FOR STAND BASE PLATE CLEARANCES.
3. INSTALL CEILING EXHAUST FAN WITH ASSOCIATED DUCTWORK PER MANUFACTURER'S INSTRUCTIONS. EXTEND DUCT TO DISCHARGE THRU ROOF TO ROOF CAP. REFER TO VERTICAL CONFIGURATION OF DETAIL #3 ON SHEET M-601.
4. PROVIDE PROGRAMMABLE HEAT PUMP T-STAT MOUNT AT 48" AFF.
5. ROUTE FURNACE VENT PIPE AND COMBUSTION AIR PIPE UP FROM CRAWLSPACE THROUGH CHASE TO CONCENTRIC VENT KIT ON ROOF. REFER TO DETAIL #2 ON SHEET M-601. ALL VENTING AND COMBUSTION AIR PIPING SHALL BE INSTALLED PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS USING 3" PIPE AND LONG SWEEP ELBOWS KEEPING THE TOTAL MAXIMUM EQUIVILENT LENGTH BELOW 100 FEET.
6. VENT PIPING AND VERTICAL TERMINATION CAP SHALL BE PROVIDED BY FIRE PLACE MANUFACTURER AND INSTALLED BY MECHANICAL CONTRACTOR. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND MECHANICAL CODE REQUIREMENTS. REFER TO DETAIL #1 ON SHEET M-601.
7. PROVIDE 12" ROUND EXHAUST DUCT UP FROM KITCHEN HOOD WITH INLINE EXHAUST FAN TO ROOF CAP. SEE DETAILS #8 AND #9 ON SHEET M-601 AND DETAIL #1 ON SHEET M-602.
8. FURNISH AND INSTALL DIFFUSER IN CASEWORK KICK SPACE.
9. REFRIGERANT PIPING AND POWER AND CONTROL CONDUITS TO BE INSTALLED ON A LENGTH OF PRE-GALVANIZED STRUT THAT IS MOUNTED ON A TREATED WOOD 4"X6". THESE SUPPORTS SHALL BE PLACED A MAXIMUM OF 4' APART AND AT EVERY CHANGE IN DIRECTION. SUPPORT WIDTH SHALL EXTEND A MINIMUM OF 2" PAST THE BRACKETS ON EACH END.
10. NOT ALL PIPES AND CONDUITS SHOWN FOR CLARITY.
11. FURNISH AND INSTALL REFRIGERANT PIPING AND INSULATE PER THE SPECIFICATIONS.
12. SEAL EXTERIOR WALL PENETRATION WEATHER TIGHT. SEE ARCH AND STRUCTURAL SHEETS FOR WALL PENETRATION/SLEEVE.
13. TRANSITION 10"X5" AND 8"X5" DUCT UP TO 20"X6" SUPPLY GRILLE. MOUNT 0'-6" ABOVE FINISHED FLOOR.
14. TRANSITION 8"X5" AND 7"X5" DUCT UP TO 18"X12" RETURN GRILLE.
15. MOUNT RETURN GRILLE 7'-0" ABOVE FINISHED FLOOR.
16. FURNISH AND INSTALL DIFFUSER IN CASEWORK. MOUNT 0'-6" ABOVE FINISHED FLOOR.



1 LODGE FIRST FLOOR MECHANICAL PLAN

SCALE: 3/16" = 1'-0"

0 2 4 8 TRUE NORTH

11/25/2025 8:13:22 AM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WADE ROSS NUMBER
PE-2024026452
PROFESSIONAL ENGINEER
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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☐
Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

SHEET TITLE:

LODGE & LOWER DORM FIRST FLOOR MECHANICAL PLANS

SHEET NUMBER:

M-102

SHEET 184 of 219
ISSUE DATE 11/26/2025

GENERAL NOTES

A. PROVIDE VOLUME DAMPER ON EACH BRANCH AND AS SHOWN ON THE PLANS TO BALANCE THE AIR FLOW.

KEYNOTES (#)

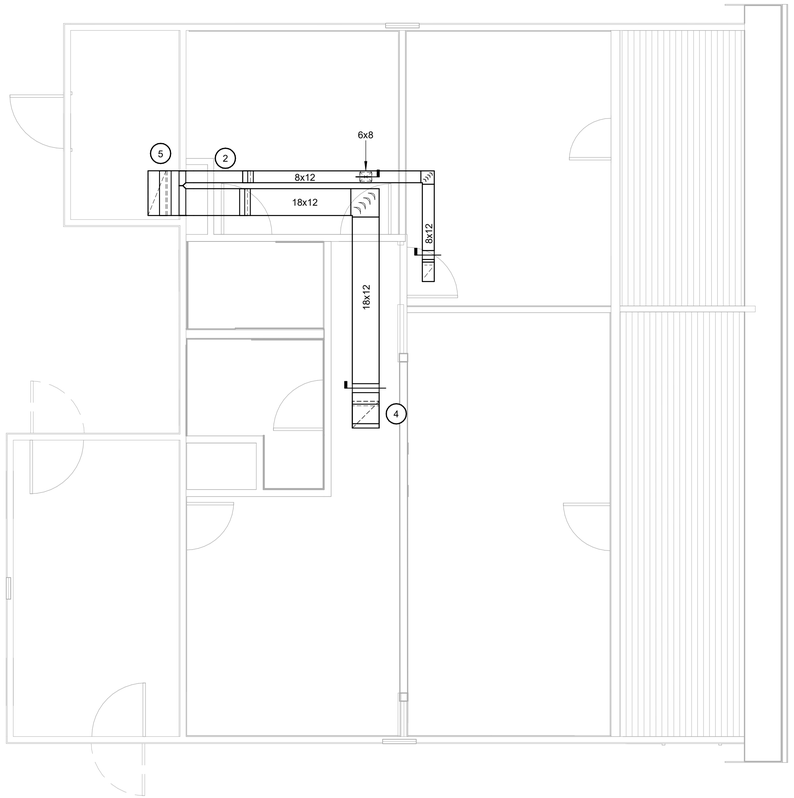
1 LOCATE AND ROUTE DUCTWORK IN CRAWLSPACE. SUPPLY AND RETURN DUCTWORK IN CRAWL SPACE SHALL HAVE ALL TRANSVERSE JOINTS, SEAMS, AND WALL PENETRATIONS SEALED. INSULATE DUCTWORK IN CRAWL SPACE AS IN AN UNCONDITIONED SPACE PER THE SPECIFICATIONS.

2 LOCATE AND ROUTE DUCTWORK IN THE ATTIC. SUPPLY AND RETURN DUCTWORK IN ATTIC SHALL HAVE ALL TRANSVERSE JOINTS, SEAMS, AND WALL PENETRATIONS SEALED. INSULATE DUCTWORK IN ATTIC AS IN AN UNCONDITIONED SPACE PER THE SPECIFICATIONS.

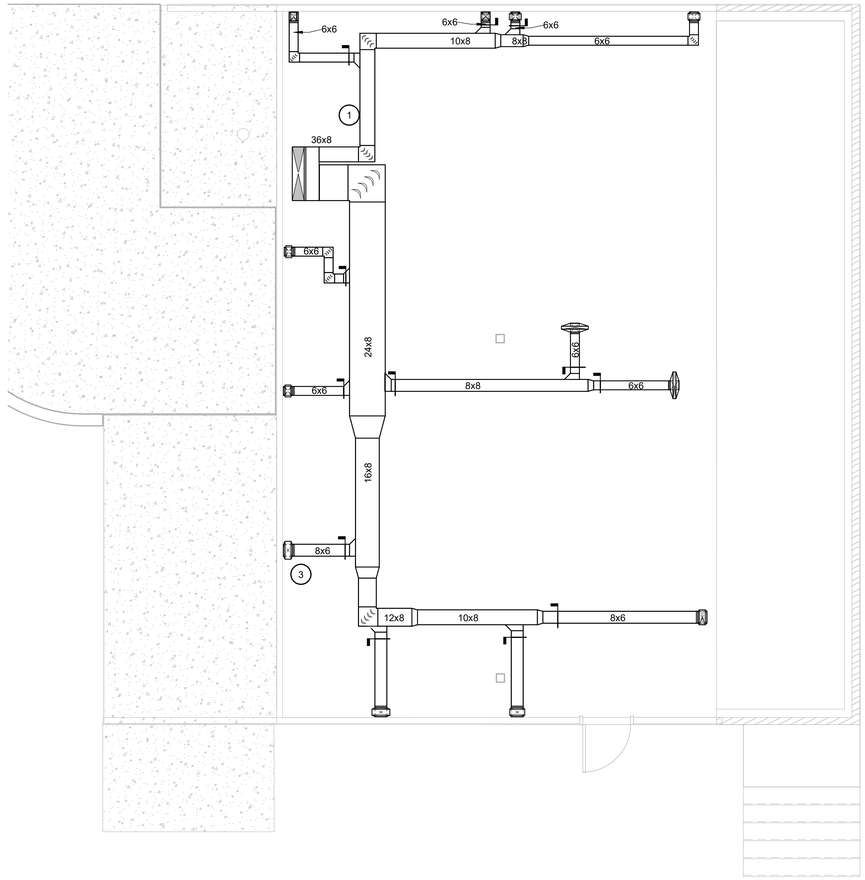
3 DUCT UP TO DIFFUSER LOCATED ON FIRST FLOOR. SEE ARCH AND STRUCTURAL SHEETS FOR FLOOR PENETRATIONS. TYPICAL.

4 DUCT DOWN TO DIFFUSER LOCATED IN FIRST FLOOR CEILING. TYPICAL.

5 TRANSITION 12"X30" DUCT TO 18"X12" AND 8"X12" DUCT ROUTED UP IN BETWEEN EXISTING JOISTS IN ATTIC SPACE.



2 FAMILY CABIN ATTIC MECHANICAL PLAN - ALTERNATE #2
SCALE: 1/4" = 1'-0"



1 FAMILY CABIN CRAWL SPACE MECHANICAL PLAN - ALTERNATE #2
SCALE: 1/4" = 1'-0"

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WADE ROSS NUMBER PE-2024026452
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ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

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Large Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☐	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

SHEET TITLE:

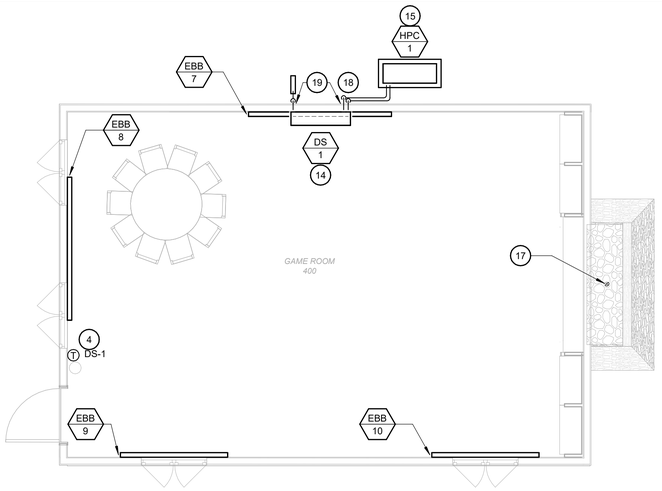
FAMILY CABIN CRAWL SPACE & ATTIC MECHANICAL PLANS-ALTERNATE#2

SHEET NUMBER:

M-103

SHEET 185 of 219
ISSUE DATE 11/26/2025

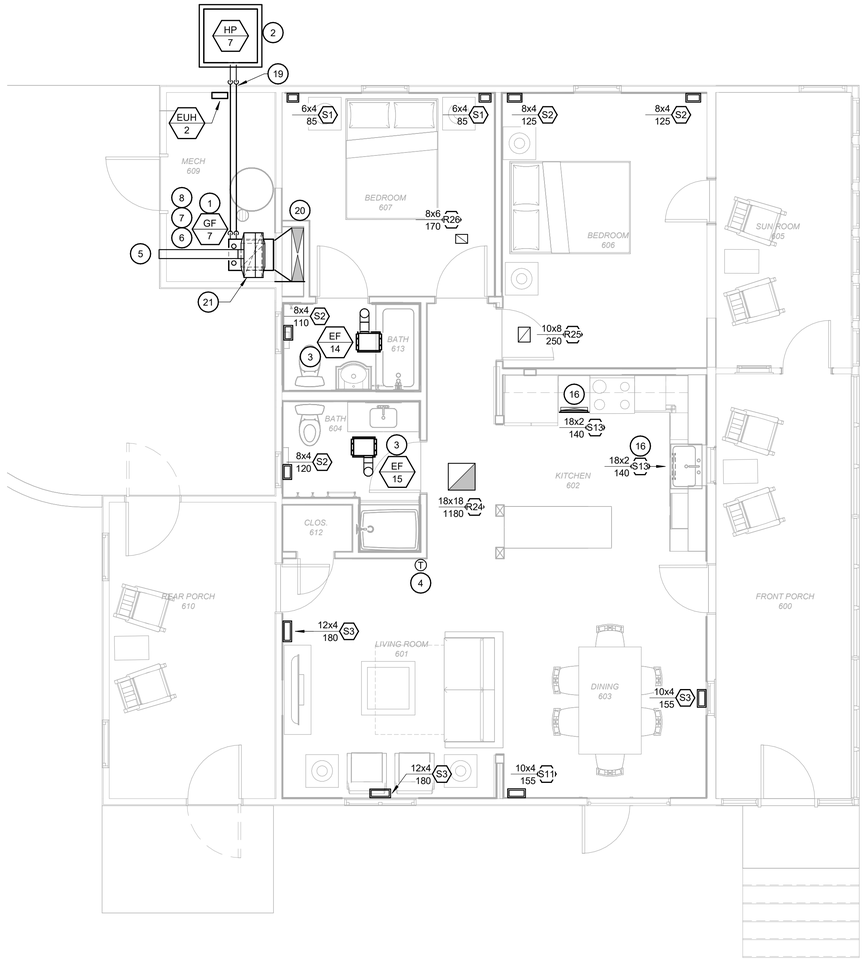
11/25/2025 8:13:23 AM



2 GAME ROOM FIRST FLOOR MECHANICAL PLAN - ALTERNATE #3

SCALE: 1/4" = 1'-0"

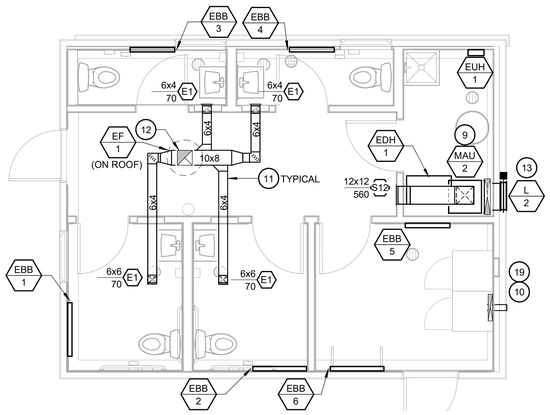
0 2 4 8 TRUE NORTH



1 FAMILY CABIN FIRST FLOOR MECHANICAL PLAN - ALTERNATE #2

SCALE: 1/4" = 1'-0"

0 2 4 8 TRUE NORTH



3 RESTROOM FIRST FLOOR MECHANICAL PLAN

SCALE: 1/4" = 1'-0"

0 2 4 8 TRUE NORTH

KEYNOTES

1 FURNISH AND INSTALL PROPANE GAS FURNACE AND COOLING COIL. CONNECT DUCT, COOLING COIL CONDENSATE DRAIN PIPING, FLUE CONDENSATE DRAIN PIPING, VENT PIPING, AND COMBUSTION AIR PIPING PER MANUFACTURER'S INSTRUCTIONS. FURNISH AND INSTALL MINIMUM 0'-6" STAND FOR DOWNFLOW FURNACE.

2 INSTALL HEAT PUMP CONDENSING UNIT AND ASSOCIATED PIPING. MOUNT UNIT ON MIRO INDUSTRIES MECHANICAL EQUIPMENT STAND SKU: "MINI-SPLIT-1" 12" ABOVE CONCRETE PAD. CONCRETE HOUSEKEEPING PAD DIMENSION OF 64"X64". SEE CIVIL SHEET C-112.4. SEE M-602 DETAIL #3 FOR STAND BASE PLATE CLEARANCES.

3 INSTALL CEILING EXHAUST FAN WITH ASSOCIATED DUCTWORK PER MANUFACTURER'S INSTRUCTIONS. EXTEND DUCT TO DISCHARGE THRU ROOF TO ROOF CAP. REFER TO VERTICAL CONFIGURATION OF DETAIL #3 ON SHEET M-601.

4 PROVIDE PROGRAMMABLE T-STAT MOUNT AT 48" AFF.

5 PROVIDE OUTSIDE AIR DUCT WITH HOODED CAP, INSECT SCREEN AND 115 VOLT MOTORIZED DAMPER AND CONNECT TO RETURN DUCT. MOTORIZED DAMPER TO BE INTERLOCKED WITH FURNACE BLOWER.

6 ROUTE FURNACE VENT PIPE AND COMBUSTION AIR PIPE UP TO CONCENTRIC VENT KIT THRU ROOF. REFER TO DETAIL #2 ON SHEET M-601. ALL VENTING AND COMBUSTION AIR PIPING SHALL BE INSTALLED PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS USING 3" PIPE AND LONG SWEEP ELBOWS KEEPING THE TOTAL MAXIMUM EQUIVILENT LENGTH BELOW 100 FEET.

7 EXTEND REFRIGERANT LINES AND ROUTE TO AC COIL. COORDINATE ROUTING WITH OTHER TRADES. INSULATE REFRIGERANT PIPING PER THE SPECIFICATIONS.

8 ROUTE COOLING COIL CONDENSATE DRAIN PIPING AND FLUE CONDENSATE DRAIN PIPING TO NEAREST FLOOR DRAIN.

9 FURNISH AND INSTALL MAKEUP AIR UNIT AND CONNECT DUCT.

10 INSTALL DRYER EXHAUST WITH HOODED PERISCOPE BOX VENT AND BACKDRAFT DAMPER.

11 LOCATE AND ROUTE DUCTWORK IN THE ATTIC. SUPPLY AND RETURN DUCTWORK IN ATTIC SHALL HAVE ALL TRANSVERSE JOINTS, SEAMS, AND WALL PENETRATIONS SEALED. INSULATE DUCTWORK IN ATTIC AS IN AN UNCONDITIONED SPACE PER THE SPECIFICATIONS.

12 10"X10" DUCT UP TO EF-1 ON ROOF.

13 MOUNT LOUVER WITH BOTTOM AT 4'-0" ABOVE FINISHED FLOOR.

14 FURNISH AND INSTALL DUCTLESS SPLIT SYSTEM. MOUNT TOP 0'-7" FROM CEILING. PIPE CONDENSATE THROUGH WALL TO EXTERIOR SPLASH BLOCK.

15 FURNISH AND INSTALL DUCTLESS SPLIT CONDENSING UNIT AND REFRIGERANT PIPING. INSULATE REFRIGERANT PIPING PER THE SPECIFICATIONS. MOUNT UNIT ON MIRO INDUSTRIES MECHANICAL EQUIPMENT STAND SKU: "MINI-SPLIT-1" 12" ABOVE CONCRETE PAD. CONCRETE HOUSEKEEPING PAD DIMENSION OF 32"X64". SEE CIVIL SHEET C-112.4. SEE M-602 DETAIL #3 FOR STAND BASE PLATE CLEARANCES.

16 FURNISH AND INSTALL DIFFUSER IN CASEWORK KICK SPACE.

17 VENT PIPING AND VERTICAL TERMINATION CAP SHALL BE PROVIDED BY FIRE PLACE MANUFACTURER. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND MECHANICAL CODE REQUIREMENTS. REFER TO DETAIL #1 ON SHEET M-601 FOR MORE INFORMATION AND TO ARCH FOR DECORATIVE TERMINATION CAP.

18 PROVIDE LINESET COVER FOR DUCTLESS SPLIT REFRIGERANT PIPING.

19 SEAL EXTERIOR WALL PENETRATION WEATHER TIGHT. SEE ARCH AND STRUCTURAL SHEETS FOR WALL PENETRATION/SLEEVE.

20 TRANSITION TO 36"X8" DUCT AND ROUTE INTO CRAWL SPACE.

21 TRANSITION 12"X30" DUCT TO 18"X12" AND 8"X12" DUCT ROUTED UP IN BETWEEN EXISTING JOISTS IN ATTIC SPACE.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WADE ROSS
NUMBER PE-2024026452
PROFESSIONAL ENGINEER

11.26.2025
Exp. 12.31. 2026

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☐	(2B)Cabin C	7815232004	☐
Large Dorm	7815232010	☐	(2B)Cabin D	7815232005	☐
Gymnasium	7815232011	☐	(2B)Cabin E	7815232006	☐
Game Room	7815232012	☒	(2B)Cabin F	7815232007	☐
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☐

DATE: DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

SHEET TITLE:

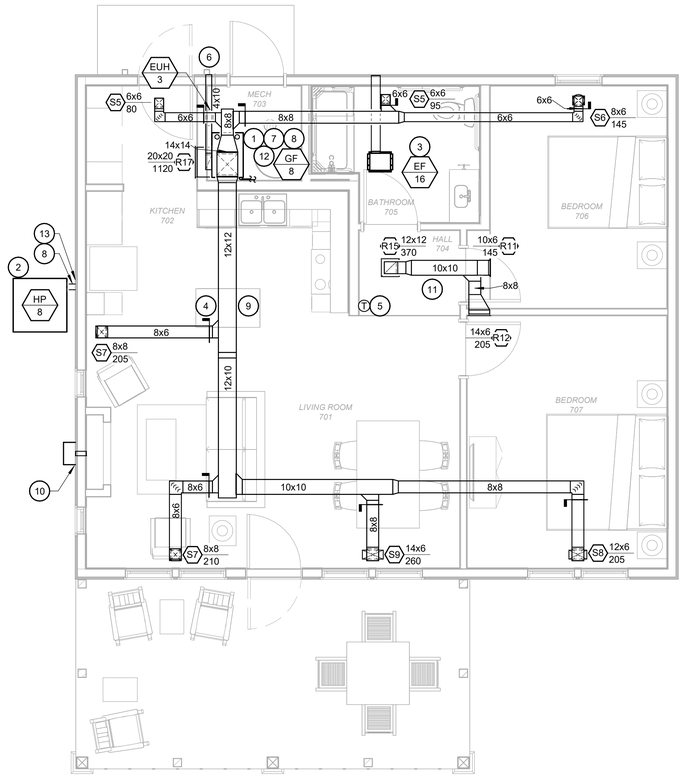
FAMILY CABIN, GAME ROOM, & RESTROOM MECHANICAL PLANS

SHEET NUMBER:

M-104

SHEET 186 of 219
ISSUE DATE 11/26/2025

11/25/2025 8:13:23 AM



1 **TWO BEDROOM CABIN FIRST FLOOR MECHANICAL PLAN**

SCALE: 1/4" = 1'-0"

0 2 4 8

PLAN NORTH

KEYNOTES (#)

1 FURNISH AND INSTALL PROPANE GAS FURNACE AND COOLING COIL. CONNECT DUCT, COOLING COIL CONDENSATE DRAIN PIPING, FLUE CONDENSATE DRAIN PIPING, VENT PIPING, AND COMBUSTION AIR PIPING PER MANUFACTURER'S INSTRUCTIONS. ROUTE COOLING COIL CONDENSATE DRAIN PIPING AND FLUE CONDENSATE DRAIN PIPING TO NEAREST FLOOR DRAIN.

2 INSTALL HEAT PUMP CONDENSING UNIT AND ASSOCIATED PIPING. MOUNT UNIT ON DIVERSITECH ACB-42 WALL BRACKET MOUNTED TO FOUNDATION WALL. SEE CIVIL SHEETS C-133.1 AND C-133.2. SEE M-602 DETAIL #2 FOR STAND BASE PLATE CLEARANCES.

3 INSTALL CEILING EXHAUST FAN WITH ASSCOCIATED DUCTWORK PER MANUFACTURER'S INSTRUCTIONS. EXTEND DUCT TO DISCHARGE THRU THE EXTERIOR WALL WITH HOODED CAP AND BIRD SCREEN. REFER TO HORIZONTAL CONFIGURATION OF DETAIL #3 ON SHEET M-601.

4 PROVIDE VOLUME DAMPER ON EACH BRANCH AND AS SHOWN ON THE PLAN TO BALANCE THE AIR FLOW. TYPICAL.

5 PROVIDE PROGRAMMABLE HEAT PUMP T-STAT MOUNT AT 48" AFF.

6 PROVIDE OUTSIDE AIR DUCT WITH HOODED CAP, INSECT SCREEN AND 115 VOLTS MOTORIZED DAMPER AND EXTEND TO CONNECT TO RETURN DUCT. MOTORIZED DAMPER TO BE INTERLOCKED WITH FURNACE BLOWER.

7 PROVIDE CONCENTRIC CONNECTION KIT AND INSTALL PER MANUFACTURER'S INSTRUCTIONS. REFER TO DETAIL #2 ON SHEET M-601.

8 EXTEND REFRIGERANT LINES THROUGH CRAWL SPACE AND ROUTE TO AC COIL. INSULATE REFRIGERANT LINES PER THE SPECIFICATIONS. COORDINATE ROUTING WITH OTHER TRADES.

9 LOCATE AND ROUTE DUCTWORK IN THE ATTIC. SUPPLY AND RETURN DUCTWORK IN ATTIC SHALL HAVE ALL TRANSVERSE JOINTS, SEAMS, AND WALL PENETRATIONS SEALED. INSULATE DUCTWORK IN ATTIC AS IN AN UNCONDITIONED SPACE PER THE SPECIFICATIONS.

10 VENT PIPING AND HORIZONTAL TERMINATION CAP SHALL BE PROVIDED BY FIRE PLACE MANUFACTURER. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND MECHANICAL CODE REQUIREMENTS. DUCT STRAIGHT OUT BACK OF FIREPLACE.

11 INSTALL TRANSFER DUCT IN SOFFIT.

12 ROUTE PROPANE GAS FURNACE VENT PIPE AND COMBUSTION AIR PIPE UP TO CONCENTRIC VENT KIT THRU ROOF. REFER TO DETAIL #2 ON SHEET M-601.

13 SEAL EXTERIOR WALL PENETRATION WEATHER TIGHT. SEE ARCH AND STRUCTURAL SHEETS FOR WALL PENETRATION/SLEEVE.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

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Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

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Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

DATE: DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

SHEET TITLE:

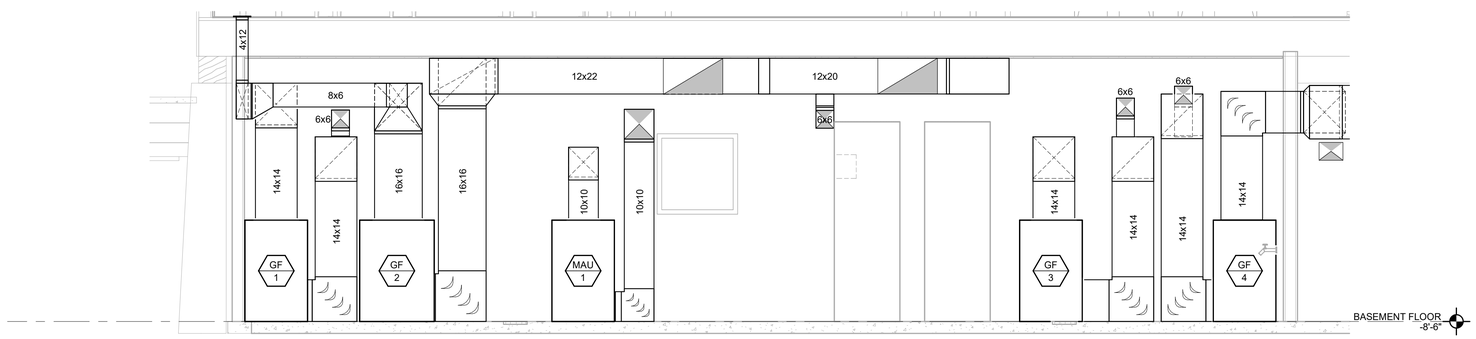
TWO BEDROOM CABIN MECHANICAL PLAN

SHEET NUMBER:

M-105

SHEET 187 of 219
ISSUE DATE 11/26/2025

11/26/2025 9:13:20 AM



1 **LODGE BASEMENT NORTH**

SCALE: 1/2" = 1'-0"

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MIKE L. KEHOE,
GOVERNOR

STATE OF MISSOURI
WADE
ROSS
NUMBER
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Family Cabin	7815232013	☐	(2B)Cabin G	7815232008	☐
RR Building	7815232014	☐	(2B)Cabin H	7815232009	☐

#	DATE:	DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

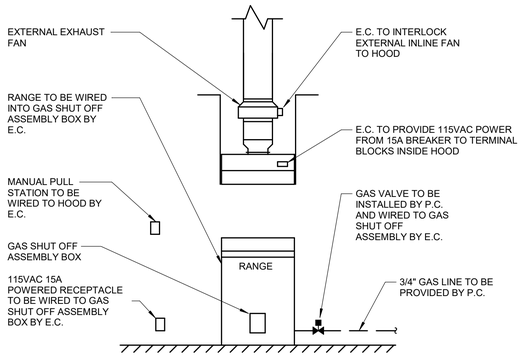
SHEET TITLE:

MECHANICAL BUILDING SECTIONS - LODGE

SHEET NUMBER:

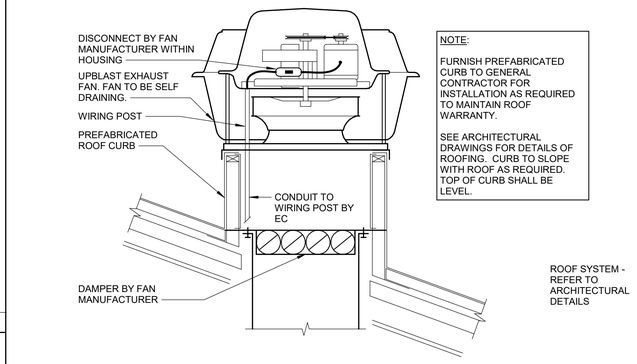
M-301

SHEET 188 of 219
ISSUE DATE 11/26/2025



9 KITCHEN HOOD DETAIL 2

SCALE: No Scale



6 ROOF EXHAUST FAN DETAIL

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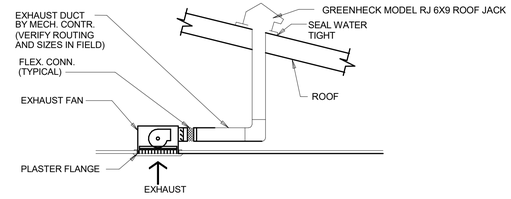
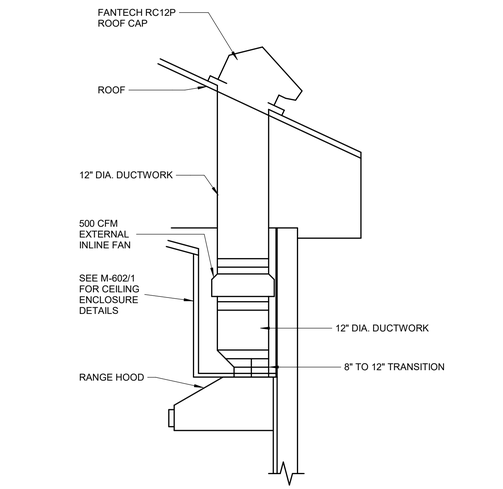


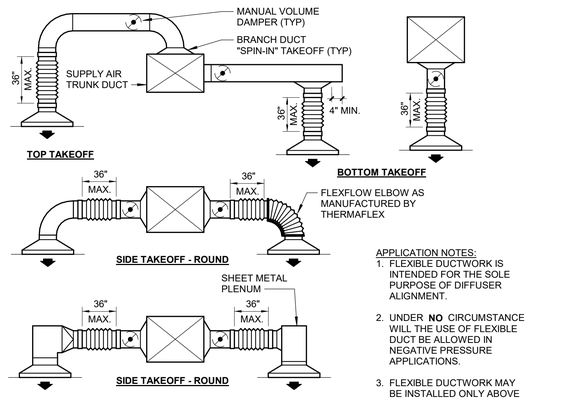
3 CEILING EXHAUST FAN DETAILS

Scale: Not To Scale



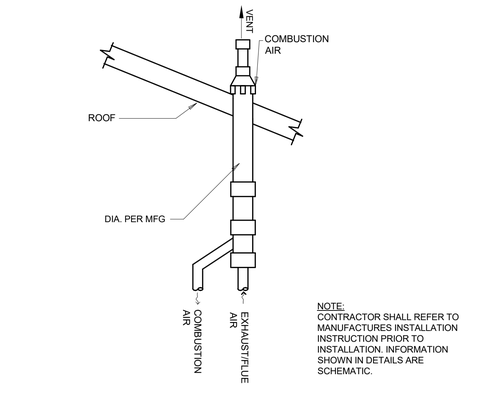
8 KITCHEN HOOD DETAIL

SCALE: No Scale



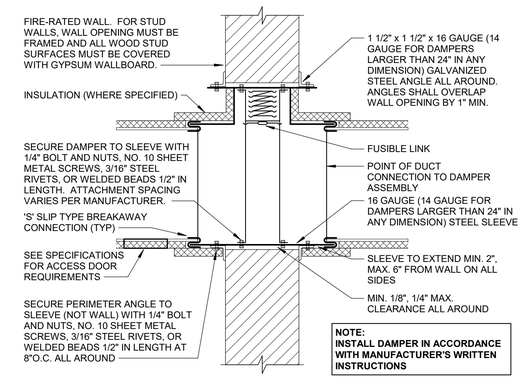
5 TYPICAL CONNECTION TO DIFFUSER

SCALE: No Scale



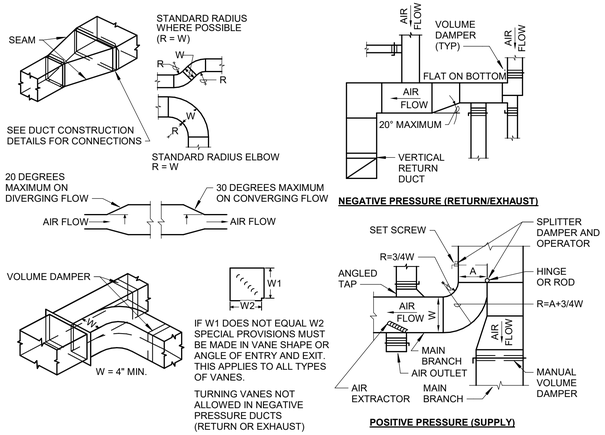
2 CONCENTRIC VENT DETAILS

Scale: Not To Scale



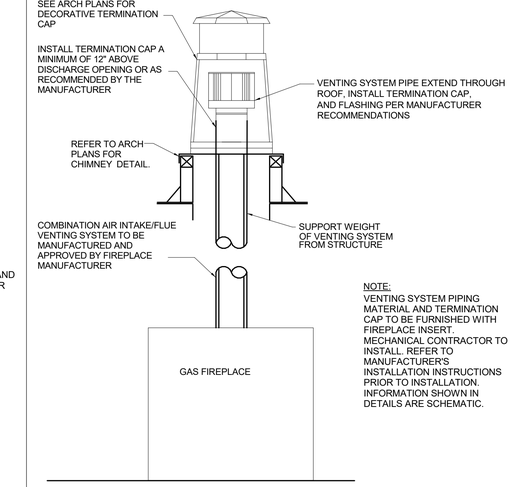
7 FIRE DAMPER DETAIL

SCALE: No Scale



4 TYPICAL DUCT CONSTRUCTION

SCALE: No Scale



1 GAS FIREPLACE VENTING SYSTEM DETAIL

Scale: Not To Scale

STATE OF MISSOURI
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GOVERNOR

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#	DATE:	DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

SHEET TITLE:

DETAILS

SHEET NUMBER:

M-601

SHEET 189 of 219
ISSUE DATE 11/26/2025

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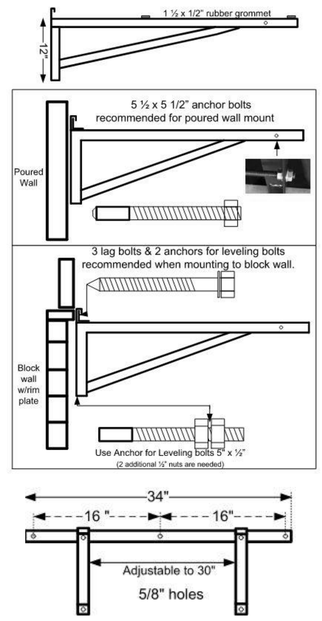
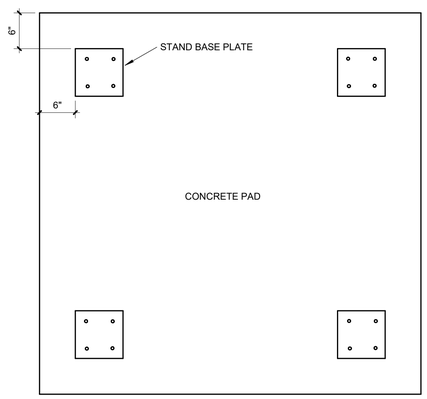
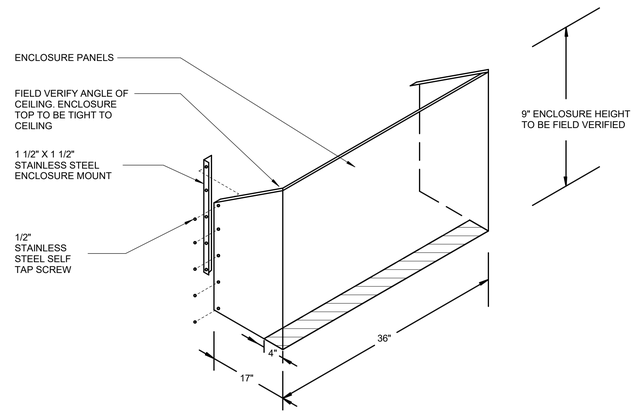


2 **HEAT PUMP WALL BRACKET**
SCALE: No Scale

- EQUIPMENT STAND BASE PLATES TO HAVE MINIMUM DISTANCE OF 6" FROM EDGE OF CONCRETE PAD.
- MINIMUM PAD THICKNESS 4"



3 **EQUIPMENT STAND PAD CLEARANCE**
SCALE: No Scale



1 **KITCHEN HOOD CEILING ENCLOSURE DETAIL**
SCALE: No Scale

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GOVERNOR

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Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☒
BR Building	7815232014	☒	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

SHEET TITLE:

DETAILS II

SHEET NUMBER:

M-602

SHEET 190 of 219
ISSUE DATE 11/26/2025

PROPANE GAS FURNACE SCHEDULE

MARK	MANUFACTURER	MODEL FURNACE / COIL	SERVES	COND. UNIT MARK	OUTSIDE AIR (CFM)	BLOWER				HEATING SECTION			HP HEATING				COOLING COIL						PHYSICAL DATA				FILTER	ELECTRICAL...		FURNACE PHYSICAL...				REMARKS
						CFM	ESP (IN. W.C.)	DRIVE	WATTS	FUEL	INPUT (MBH)	OUTPUT (MBH)	AMB (°F)	EDB (°F)	CAP (MBH)	COP	AMB (°F)	EDB (%%DF)	EWB (%%DF)	TTL. CAP. (MBH)	SENS. CAP. (MBH)	COND. DRAIN SIZE (IN.)	L (IN.)	W (IN.)	H (IN.)	WT. (LB.)		V/PH	FLA	L (IN.)	W (IN.)	H (IN.)	WT. (LB.)	
GF1	RHEEM	R96TA0852521MS/RCFY3617STANMC	ML-KITCHEN	HP-1	140	1200	0.75	DIRECT	260	PROPANE	84	82	11.2	64.9	15.0	4.56	91.5	79.4	72.4	47.2	21.6	3/4	20	21	34.5	76	1" FIBER-GLASS	115/1	8.8	28.8	21	34	136	1
GF-2	RHEEM	R801V1255A24UHS/RCF6024STANMC	ML-DINING/GREAT ROOM	HP-2	210	2000	0.75	DIRECT	198	PROPANE	112	109	11.2	65.6	42.9	4.1	91.5	79.2	72.3	67.6	30.9	3/4	21.7	24.5	32	110	1" FIBER-GLASS	115/1	8.6	28.8	24.5	34	152	1
GF-3	RHEEM	R96TA0852521MS/RCFY3617STANMC	ML-BEDROOMS 1	HP-3	140	1200	0.75	DIRECT	260	PROPANE	84	82	11.2	64.9	15.0	4.56	91.5	79.4	72.4	47.2	21.6	3/4	20	21	34.5	76	1" FIBER-GLASS	115/1	8.8	28.8	21	34	136	1
GF-4	RHEEM	R96TA0852521MS/RCFY3617STANMC	ML-BEDROOMS 2	HP-4	140	1200	0.75	DIRECT	260	PROPANE	84	82	11.2	64.9	15.0	4.56	91.5	79.4	72.4	47.2	21.6	3/4	20	21	34.5	76	1" FIBER-GLASS	115/1	8.8	28.8	21	34	136	1
GF-5	RHEEM	R96TA0852521MS/RCFY3617STANMC	LD-BEDROOMS	HP-5	140	1200	0.75	DIRECT	260	PROPANE	84	82	11.2	64.9	15.0	4.56	91.5	79.4	72.4	47.2	21.6	3/4	20	21	34.5	76	1" FIBER-GLASS	115/1	8.8	28.8	21	34	136	1
GF-6	RHEEM	R96TA0852521MS/RCFY3617STANMC	LD-SITTING RM/CORR	HP-6	140	1200	0.75	DIRECT	260	PROPANE	84	82	11.2	64.9	15.0	4.56	91.5	79.4	72.4	47.2	21.6	3/4	20	21	34.5	76	1" FIBER-GLASS	115/1	8.8	28.8	21	34	136	1
GF-7	RHEEM	R96TA0852521MS/RCFY4821STANMC	FAMILY CABIN	HP-7	140	1600	0.75	DIRECT	260	PROPANE	84	82	11.2	66.7	17.0	4.4	91.5	79.2	72.3	53.4	23.2	3/4	21.7	21	34.5	76	1" FIBER-GLASS	115/1	8.8	28.8	21	34	136	1,2
GF-8	RHEEM	R96TA0852521MS/RCFY3617STANMC	2 BEDROOM CABIN	HP-8	140	1200	0.75	DIRECT	260	PROPANE	84	82	11.2	64.9	15.0	4.56	91.5	79.4	72.4	47.2	21.6	3/4	20	21	34.5	76	1" FIBER-GLASS	115/1	8.8	28.8	21	34	136	1

NOTES: 1. PROVIDE UNIT WITH CONCENTRIC VENTING KIT FOR THE FLUE AND COMBUSTION AIR, THERMOSTAT, ACID NEUTRALIZATION KIT, FILTER RACK AND FILTER.
2. DOWNFLOW KIT.

MAKEUP AIR UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	LOCATION	SERVICE	COND. UNIT MARK	FAN			HEATING SECTION						COOLING SECTION						FILTER			ELECTRICAL...		PHYSICAL DATA				REMARKS
						CFM	ESP (IN. W.C.)	HP	TYPE	CONTROL	DESIGN (KW)	MAX (KW)	OUTPUT (MBH)	TEMP RISE	TOTAL CAP. (MBH)	SENS. CAP. (MBH)	EDB (%%DF)	EWB (%%DF)	LDB (%%DF)	LWB (%%DF)	TYPE	MERV	THICK. (IN.)	V/PH	FLA	L (IN.)	W (IN.)	H (IN.)	WT. (LB.)	
MAU-1	AAON	V3-ARB-1-0-141D-7B1	BASEMENT	KITCHEN	CU-1	500	0.5	0.5	ELECTRIC	MODULATING	11	15	51.2	95	18	16.3	93	77	75.2	70.7	PLEATED	13	2	115/1	8.8	30	21	34	147.5	1, 2
MAU-2	AIRSCAPE	AS-MUA-1600	MECH RM	RESTROOMS	N/A	560	0.5	0.33	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	PLEATED	13	2	115/1	15	22	22	54	92	1,3

NOTES: 1. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONTROLS, CONTROL WIRING AND INTERLOCKS BETWEEN MAKE-UP AIR UNIT (MAU-1) / KITCHEN EXHAUST HOOD (KH-1), AND MAU-2 / EDH-1 / EF-1.
2. PROVIDE WITH MANUFACTURER VENTILATION CONTROL SYSTEM INTERLOCKED TO KITCHEN HOOD OPERATION TO MAINTAIN 70°F (ADJ.) DISCHARGE TEMPERATURE WHENEVER THE HOOD EXHAUST FAN IS ON.
3. MOUNT EDH-1 JUST DOWNSTREAM OF MAU.

HEAT PUMP CONDENSING UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	SERVICE	AMBIENT TEMP....		REFRIG. TYPE	AHRI COOLING PERFORMANCE			AHRI HEATING...		ELECTRICAL DATA			PHYSICAL DATA				REMARKS
				SUM.	WIN.		NOM. CAP....	TOTAL...	SEER	TOTAL...	COP	V/PH	MCA	MOCP	L (IN.)	W...	H (IN.)	WT....	
HP-1	RHEEM	RP19AY36AJVCA	ML-KITCHEN	91.5	11.2	R-454B	3	35.2	19.5	29.6	4.56	230/1	33	50	36	36	45	273	1
HP-2	RHEEM	RP19AY60AJVCA	ML-DINING/GREAT ROOM	91.5	11.2	R-454B	5	54.5	19.5	41	4.1	230/1	45	70	36	36	45	355	1
HP-3	RHEEM	RP19AY36AJVCA	ML-BEDROOMS 1	91.5	11.2	R-454B	3	35.2	19.5	29.6	4.56	230/1	33	50	36	36	45	273	1
HP-4	RHEEM	RP19AY36AJVCA	ML-BEDROOMS 2	91.5	11.2	R-454B	3	35.2	19.5	29.6	4.56	230/1	33	50	36	36	45	273	1
HP-5	RHEEM	RP19AY36AJVCA	LD-BEDROOMS	91.5	11.2	R-454B	3	35.2	19.5	29.6	4.56	230/1	33	50	36	36	45	273	1
HP-6	RHEEM	RP19AY36AJVCA	LD-SITTING RM/CORR	91.5	11.2	R-454B	3	35.2	19.5	29.6	4.56	230/1	33	50	36	36	45	273	1
HP-7	RHEEM	RP19AY48AJVCA	FAMILY CABIN	91.5	11.2	R-454B	4	46	19.5	36.0	4.4	230/1	46	70	36	36	45	293	1
HP-8	RHEEM	RP19AY36AJVCA	2 BEDROOM CABIN	91.5	11.2	R-454B	3	35.2	19.5	29.6	4.56	230/1	33	50	36	36	45	273	2

NOTES: 1. UNIT TO BE PROVIDED WITH MIRO INDUSTRIES MECHANICAL EQUIPMENT STAND SKU:'MINI-SPLIT-1' TO ALLOW THE UNIT TO BE MOUNTED 12" ABOVE FINISHED GRADE.
2. UNIT TO BE PROVIDED WITH A DIVERSITECH ACB-42 WALL BRACKET TO MOUNT THE UNIT AT 18" ABOVE FINISHED GRADE.

RESIDENTIAL RANGE HOOD SCHEDULE

MARK	MANUFACTURER	MODEL	EXHAUST					ELECTRICAL DATA			PHYSICAL DATA				REMARKS
			CFM	SP (IN. W.C.)	DUCT QTY.	DUCT SIZE (IN.)	DUCT VEL. (FPM)	V/PH	MOCP	OPERATING CURRENT	L (FT.)	W (IN.)	H (IN.)	WT. (LB.)	
KH-1	GREENHECK	GRRS-W-36-T-G-D-N	500	0.8	1	5 X 12	1200	115/1	15	1.7	**36**	**23.5**	**12**	**93**	1, 2, 3

NOTES: 1. PROVIDE WITH EXTERNAL EXHAUST FAN, TOP DISCHARGE.
2. NFPA101 COMPLIANT WITH MANUAL PULL STATION AND INTEGRATED FIRE SUPPRESSION SYSTEM.
3. PROVIDE WITH GREASE CAPTURE FILTERS, LED LIGHTS, GAS SUTOFF ASSEMBLY BOX, AUTOMATIC GAS SHUTOFF VALVE.

ELECTRIC BASEBOARD SCHEDULE

MARK	MANUFACTURER	MODEL	LOCATION	SERVICE	BTU/HR	LENGTH (FT.)	KW	ELECTRICAL DATA			WT. (LB.)	REMARKS
								V/PH	WATTS	AMPS		
EBB-1	Q-MARK	QMKC2513W	RESTROOM BLDG.	301 UNISEX	2560	3	0.75	120/1	750	6.3	9	1
EBB-2	Q-MARK	QMKC2513W	RESTROOM BLDG.	302 UNISEX	2560	3	0.75	120/1	750	6.3	9	1
EBB-3	Q-MARK	QMKC25126W	RESTROOM BLDG.	303 UNISEX	1706	2.5	0.5	120/1	500	4.2	7.8	1
EBB-4	Q-MARK	QMKC25126W	RESTROOM BLDG.	304 UNISEX	1706	2.5	0.5	120/1	500	4.2	7.8	1
EBB-5	Q-MARK	QMKC2513W	RESTROOM BLDG.	305 LAUNDRY	2560	3	0.75	120/1	750	6.3	9	1
EBB-6	Q-MARK	QMKC25126W	RESTROOM BLDG.	305 LAUNDRY	1706	2.5	0.5	120/1	500	4.2	7.8	1
EBB-7	Q-MARK	QMKC25408W	GAME ROOM	GAME ROOM	8533	8	2.5	240/1	2500	10.4	20	1
EBB-8	Q-MARK	QMKC25408W	GAME ROOM	GAME ROOM	8533	8	2.5	240/1	2500	10.4	20	1
EBB-9	Q-MARK	QMKC2516W	GAME ROOM	GAME ROOM	5120	6	1.5	120/1	1500	12.5	15.5	1
EBB-10	Q-MARK	QMKC2516W	GAME ROOM	GAME ROOM	5120	6	1.5	120/1	1500	12.5	15.5	1

NOTES: 1. INTEGRAL TAMPER RESISTANT THERMOSTAT

ELECTRIC UNIT HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	LOCATION	SERVICE	FAN	TOTAL CAP. (BTUH)	ELECTRICAL DATA			PHYSICAL DATA				REMARKS
					CFM		KW	V/PH	AMPS	L (IN.)	W (IN.)	H (IN.)	WT. (LB.)	
EUH-1	QMARK	CWH1151DSAF	RESTROOM BLDG.	300 MECH	65	2560	0.75	120/1	6.3	10 5/8	4	12 1/8	12	1
EUH-2	QMARK	CWH1151DSAF	FAMILY CABIN	609 MECH	65	2560	0.75	120/1	6.3	10 5/8	4	12 1/8	12	1
EUH-3	QMARK	CWH1101DSAF	2 BED CABIN	703 MECH	65	1706	0.5	120/1	4.2	10 5/8	4	12 1/8	12	1
EUH-4	QMARK	MUH0321	LODGE	200 MECH	350	10200	3	240/1	12.5	14	7 1/2	16	27	2
EUH-5	QMARK	MUH0321	LODGE	200 MECH	350	10200	3	240/1	12.5	14	7 1/2	16	27	2
EUH-6	QMARK	MUH0321	LOWER DORM	100 MECH	350	10200	3	240/1	12.5	14	7 1/2	16	27	2

NOTES: 1. SURFACE MOUNTING FRAME
2. INTERNAL THERMOSTAT, POWER DISCONNECT SWITCH, LOUVER DIFFUSER, AND MOUNTING BRACKET

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MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WADE ROSS
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PROFESSIONAL ENGINEER
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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

SHEET TITLE:

SCHEDULES I

SHEET NUMBER:

M-603

SHEET 191 of 219
ISSUE DATE 11/26/2025

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	DRIVE	LOCATION	SERVICE	CFM	ESP (IN. W.C.)	FAN MOTOR BHP	SONES	DAMPER	ROOF...		ELECTRICAL DATA			PHYSICAL DATA				REMARKS
												L (IN.)	W (IN.)	HP/ WATTS	V/PH	AMPS	L (IN.)	W (IN.)	H (IN.)	WT. (LBS.)	
EF-1	GREENHECK	CUE-090-VG	UPBLAST	DIRECT	RESTROOM BLDG.	RESTROOM BLDG.	350	0.5	1/10	6.6	MOTORIZED	12.5	12.5	0.25 HP	115/1	-	19	19	13 2/5	53	1,2,3
EF-2	GREENHECK	SP-B90	CENT.	DIRECT	MAIN LODGE	206 RESTROOM	70	0.25	-	1.9	BACKDRAFT	-	-	20 W	115/1	0.19	15	13 3/8	7	12	3,4,5
EF-3	GREENHECK	SP-B90	CENT.	DIRECT	MAIN LODGE	207 RESTROOM	70	0.25	-	1.9	BACKDRAFT	-	-	20 W	115/1	0.19	15	13 3/8	7	12	3,4,5
EF-4	GREENHECK	SP-B90	CENT.	DIRECT	MAIN LODGE	208 JAN	70	0.25	-	1.9	BACKDRAFT	-	-	20 W	115/1	0.19	15	13 3/8	7	12	3,4,5
EF-5	GREENHECK	SP-B150	CENT.	DIRECT	MAIN LODGE	211 ACCESSIBLE BATH	140	0.25	-	3	BACKDRAFT	-	-	128 W	115/1	1.8	15	13 3/8	7	12	3,4,5
EF-6	GREENHECK	SP-B150	CENT.	DIRECT	MAIN LODGE	213 BATH	140	0.25	-	3	BACKDRAFT	-	-	128 W	115/1	1.8	15	13 3/8	7	12	3,4,5
EF-7	GREENHECK	SP-B150	CENT.	DIRECT	MAIN LODGE	215 BATH	140	0.25	-	3	BACKDRAFT	-	-	128 W	115/1	1.8	15	13 3/8	7	12	3,4,5
EF-8	GREENHECK	SP-B150	CENT.	DIRECT	MAIN LODGE	217 BATH	140	0.25	-	3	BACKDRAFT	-	-	128 W	115/1	1.8	15	13 3/8	7	12	3,4,5
EF-9	GREENHECK	SP-B150	CENT.	DIRECT	MAIN LODGE	220A BATH	140	0.25	-	3	BACKDRAFT	-	-	128 W	115/1	1.8	15	13 3/8	7	12	3,4,5
EF-10	GREENHECK	SP-B150	CENT.	DIRECT	MAIN LODGE	222A BATH	140	0.25	-	3	BACKDRAFT	-	-	128 W	115/1	1.8	15	13 3/8	7	12	3,4,5
EF-11	GREENHECK	SP-B90	CENT.	DIRECT	LOWER DORM	105 RESTROOM	70	0.25	-	1.9	BACKDRAFT	-	-	20 W	115/1	0.19	15	13 3/8	7	12	3,4,5
EF-12	GREENHECK	SP-B150	CENT.	DIRECT	LOWER DORM	111 MENS	140	0.25	-	3	BACKDRAFT	-	-	128 W	115/1	1.8	15	13 3/8	7	12	3,4,5
EF-13	GREENHECK	SP-B150	CENT.	DIRECT	LOWER DORM	112 WOMENS	140	0.25	-	3	BACKDRAFT	-	-	128 W	115/1	1.8	15	13 3/8	7	12	3,4,5
EF-14	GREENHECK	SP-B150	CENT.	DIRECT	FAMILY CABIN	608 BATH	140	0.25	-	3	BACKDRAFT	-	-	128 W	115/1	1.8	15	13 3/8	7	12	3,4,5
EF-15	GREENHECK	SP-B150	CENT.	DIRECT	FAMILY CABIN	604 BATH	140	0.25	-	3	BACKDRAFT	-	-	128 W	115/1	1.8	15	13 3/8	7	12	3,4,5
EF-16	GREENHECK	SP-B150	CENT.	DIRECT	2 BED CABIN	705 BATH	140	0.25	-	3	BACKDRAFT	-	-	128 W	115/1	1.8	15	13 3/8	7	12	3,4,5

NOTES:
1. 18" SLOPED ROOF CURB AND MOTORIZED BACKDRAFT DAMPER
2. DISCONNECT SWITCH
3. SPEED CONTROL
4. RJ-6X9 PITCHED ROOF CAP WITH ROUND CONNECTION
5. INTERLOCK WITH LOCAL OCCUPANCY SENSOR IN SPACE

HEAT PUMP DUCTLESS SPLIT UNIT SCHEDULE

INDOOR UNIT														OUTDOOR UNIT												REMARKS
MARK	MANUFACTURER	MODEL	LOCATION	CFM		TOTAL COOLING CAP. (MBH)	SEER	TOTAL HEATING CAP. 17°F...	COP 17°F	PHYSICAL DATA				MARK	MANUFACTURER	MODEL	LOCATION	NOM. CAP. (TONS)	ELECTRICAL DATA			PHYSICAL DATA				
				LOW	HIGH					L (IN.)	W (IN.)	H (IN.)	WT. (LB.)						V/PH	MCA	MOCP	L (IN.)	W (IN.)	H (IN.)	WT. (LB.)	
DS-1	CARRIER	40MAHBQ30XA3	GAME ROOM	382	843	30.0	20.1	19.0	2.3	45	11	15	44	HPC-1	CARRIER	38MARBQ30AA3	GAME ROOM	2.5	230/1	23	30	37	16	32	142	1, 2, 3

NOTES:
1. LOW AMBIENT KIT
2. INSULATED LINE SET
3. THERMOSTAT

LOUVER SCHEDULE

MARK	MANUFACTURER	MODEL	SERVICE	CFM	FREE AREA (SF)	MAX. AIR P.D. (IN. W.C.)	MATERIAL	FINISH	PHYSICAL DATA			REMARKS
									D (IN.)	W (IN.)	H (IN.)	
L1	GREENHECK	ESD-435	OUTSIDE AIR	1060	1.8	0.06	ALUMINUM	PRIMED	4	24	24	1,2
L2	GREENHECK	ESD-435	OUTSIDE AIR	560	0.88	0.06	ALUMINUM	PRIMED	4	18	18	1,2
L3	GREENHECK	ESD-435	OUTSIDE AIR	280	0.53	0.06	ALUMINUM	PRIMED	4	16	16	1,2

NOTES:
1. BIRDSCREEN
2. PRIME COAT FINISH

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MIKE KEHOE
GOVERNOR

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

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Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

SHEET TITLE:

SCHEDULES II

SHEET NUMBER:

M-604

SHEET 192 of 219
ISSUE DATE 11/26/2025

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AIR DEVICE SCHEDULE

MARK	MANUFACTURER	MODEL	SERVICE	MAX N.C.	MAX AIR P.D. (I...	MODULE SIZE	FRAME	FINISH	MATERIAL	REMARKS
S1	REGGIO	G608	SUPPLY	20	0.1	6x4	SURFACE	BLACK	STEEL	1
S2	REGGIO	G610	SUPPLY	20	0.1	8x4	SURFACE	BLACK	STEEL	1
S3	REGGIO	G614	SUPPLY	20	0.1	12x4	SURFACE	BLACK	STEEL	1
S4	REGGIO	G616	SUPPLY	20	0.1	14x4	SURFACE	BLACK	STEEL	1
S5	TITUS	300RS	SUPPLY	20	0.1	6x6	SURFACE	BLACK	STEEL	2
S6	TITUS	300RS	SUPPLY	20	0.1	8x6	SURFACE	BLACK	STEEL	2
S7	TITUS	300RS	SUPPLY	20	0.1	8x8	SURFACE	BLACK	STEEL	2
S8	TITUS	300RS	SUPPLY	20	0.1	12x6	SURFACE	BLACK	STEEL	2
S9	TITUS	300RS	SUPPLY	20	0.1	14x6	SURFACE	BLACK	STEEL	2
S10	REGGIO	G418	SUPPLY	20	0.1	16x2.25	SURFACE	BLACK	STEEL	1
S11	REGGIO	G612	SUPPLY	20	0.1	10x4	SURFACE	BLACK	STEEL	1
S12	REGGIO	G1414	SUPPLY	20	0.1	12x12	SURFACE	BLACK	STEEL	1
S13	REGGIO	G420	SUPPLY	20	0.1	18x2.25	SURFACE	BLACK	STEEL	1
S14	REGGIO	G618	SUPPLY	20	0.1	20x6	SURFACE	BLACK	STEEL	1
R1	REGGIO	G812	RETURN	20	0.1	10x6	SURFACE	BLACK	STEEL	1
R2	REGGIO	G814	RETURN	20	0.1	12x6	SURFACE	BLACK	STEEL	1
R3	REGGIO	G816	RETURN	20	0.1	14x6	SURFACE	BLACK	STEEL	1
R4	REGGIO	G818	RETURN	20	0.1	16x6	SURFACE	BLACK	STEEL	1
R5	REGGIO	G822	RETURN	20	0.1	20x6	SURFACE	BLACK	STEEL	1
R6	REGGIO	G826	RETURN	20	0.1	24x6	SURFACE	BLACK	STEEL	1
R7	REGGIO	G828	RETURN	20	0.1	26x6	SURFACE	BLACK	STEEL	1
R8	REGGIO	G830	RETURN	20	0.1	28x8	SURFACE	BLACK	STEEL	1
R9	REGGIO	G1230	RETURN	20	0.1	28x10	SURFACE	BLACK	STEEL	1
R10	REGGIO	G1248	RETURN	20	0.1	46x10	SURFACE	BLACK	STEEL	1
R11	TITUS	350FL	RETURN	20	0.1	10x6	SURFACE	BLACK	STEEL	3
R12	TITUS	350FL	RETURN	20	0.1	14x6	SURFACE	BLACK	STEEL	3
R13	TITUS	350FL	RETURN	20	0.1	16x6	SURFACE	BLACK	STEEL	3
R14	TITUS	350FL	RETURN	20	0.1	24x6	SURFACE	BLACK	STEEL	3
R15	TITUS	350FL	RETURN	20	0.1	12x12	SURFACE	BLACK	STEEL	3
R16	TITUS	350FL	RETURN	20	0.1	18x12	SURFACE	BLACK	STEEL	3
R17	TITUS	350FL	RETURN	20	0.1	20x20	SURFACE	BLACK	STEEL	3
R18	TITUS	350FL	RETURN	20	0.1	8x6	SURFACE	BLACK	STEEL	3
R19	TITUS	350FL	RETURN	20	0.1	10x8	SURFACE	BLACK	STEEL	3
R20	REGGIO	G622	RETURN	20	0.1	20x8	SURFACE	BLACK	STEEL	1
R21	REGGIO	G1422	RETURN	20	0.1	20x12	SURFACE	BLACK	STEEL	1
R22	REGGIO	G1028	RETURN	20	0.1	26x8	SURFACE	BLACK	STEEL	1
R23	REGGIO	G1438	RETURN	20	0.1	36x12	SURFACE	BLACK	STEEL	1
R24	REGGIO	G2222	RETURN	20	0.1	20x20	SURFACE	BLACK	STEEL	1
R25	REGGIO	G1012	RETURN	20	0.1	10x8	SURFACE	BLACK	STEEL	1
R26	REGGIO	G108	RETURN	20	0.1	8x6	SURFACE	BLACK	STEEL	1
E1	REGGIO	G608	EXHAUST	20	0.1	6x4	SURFACE	BLACK	STEEL	1

NOTES: **APPROVED MANUFACTURERS: KRUEGER, METAIL AIRE, INC., PRICE & NAILOR INDUSTRIES INC.**
1. SQUARE DESIGN
2. 3/4" BLADE SPACING, DOUBLE DEFLECTION WIH OPPOSED-BLADE DAMPER AND PLASTER FRAME.
3. 1/2" BLADE SPACING, SINGLE DEFLECTION WITH PLASTER FRAME.

ELECTRIC DUCT HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	LOCATION	SERVICE	CFM	MIN. FACE VELOCITY (FPM)	MAX. AIR P.D. (IN. W.C.)	TOTAL CAP. (MBH)	KW / SF OF FACE AREA	KW	CONTROL	ELECTRICAL DATA		PHYSICAL DATA			REMARKS
												V/PH	AMPS	L (IN.)	W (IN.)	H (IN.)	
EDH-1	INDEECO	ZUB	RESTROOM BLDG	MAU-2	560	655	0.05	36.8	15.6	10.8	SCR	208/1	72	30	17	10	1

NOTES: 1. SCR CONTROL

COOLING CONDENSING UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	SERVICE	AMBIENT TEMP. (%%DF)	REFRIG. TYPE	NOM. CAP. (TONS)	CONTROL	SEER	COMPRESSOR		FAN		ELECTRICAL DATA			PHYSICAL DATA				REMARKS
									QTY.	RLA...	QTY.	FLA...	V/PH	MCA	MOCP	L (IN.)	W (IN.)	H (IN.)	WT....	
CU-1	AAON	230	MAU-1	95	R-410A	3.0	MODULATING	14	1	11.7	1	2.8	230	26	40	61	29	56	397	1,2

NOTES: 1. DISCONNECT SWITCH
2. MODULATING HOT GAS REHEAT

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#	DATE:	DESCRIPTION:

DRAWN BY: JMB
CHECKED BY: TMG
DESIGNED BY: DAH

SHEET TITLE:

SCHEDULES III

SHEET NUMBER:

M-605

SHEET 193 of 219
ISSUE DATE 11/26/2025

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SYMBOLS LEGEND

NOTE: NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS

GENERAL

- AHU 1 — MECHANICAL EQUIPMENT CALL-OUT: REFER TO THE EQUIPMENT DATA SCHEDULE FOR DETAILS
- GWH1 — PLUMBING EQUIPMENT CALL-OUT: REFER TO THE EQUIPMENT DATA SCHEDULE FOR DETAILS
- # — KEYNOTE
- 100A4G — FEEDER CALL-OUT
- 1 — FOOD SERVICE EQUIPMENT DESIGNATION
- *Room name* *101A* — ROOM NUMBER
- 1 — REVISION CALL-OUT
- NEW EQUIPMENT (TYPICAL)
- EXISTING EQUIPMENT (TYPICAL)
- DEMOLITION EQUIPMENT (TYPICAL)
- WALL MOUNT BRACKET (TYPICAL)

WIRING AND CONDUITS

- CONDUIT - CONCEALED IN SUSPENDED CEILING OR WALL
- CONDUIT - EXPOSED
- CONDUIT - CONCEALED BELOW SLAB OR GRADE
- CONDUIT - TURNING UP
- CONDUIT - TURNING DOWN
- CONDUIT - UP AND DOWN (CHANGE IN ELEVATION)
- CONDUIT - CONTINUED
- CONDUIT - FLEXIBLE
- CONDUIT - CAPPED
- J — JUNCTION BOX
- J — JUNCTION BOX - EMERGENCY POWER
- CONDUIT FITTING (CONDULET)
- EXPANSION FITTING
- SEALING FITTING
- CABLE TRAY

COMMUNICATIONS (FOR ROUGH-IN ONLY WITH 1" CONDUIT TO ACCESSIBLE CEILING

- TTB — TELEPHONE TERMINAL BACKBOARD (PROVIDE WITH 3/4" FIRE RATED PLYWOOD)
- TELEPHONE OUTLET - WALL MOUNTED
  - \- WALL MOUNTED
  - T TOUCH TONE DEVICE FOR THE DEAF
  - W WALL PHONE
  - D DEDICATED TELEPHONE OUTLET
- TELEPHONE OUTLET - ABOVE COUNTER
- TELEPHONE OUTLET - FLUSH FLOOR MOUNTED
- TELEPHONE OUTLET - CEILING MOUNTED
- DATA OUTLET - WALL MOUNTED
- DATA OUTLET - ABOVE COUNTER
- DATA OUTLET - FLUSH FLOOR MOUNTED
- DATA OUTLET - CEILING MOUNTED
- COMBINATION TELEPHONE/DATA OUTLET - WALL MOUNTED
- COMBINATION TELEPHONE/DATA OUTLET - ABOVE COUNTER
- COMBINATION TELEPHONE/DATA OUTLET - FLUSH FLOOR MOUNTED
- COMBINATION TELEPHONE/DATA OUTLET - CEILING MOUNTED
- WAP — WIRELESS ACCESS POINT

POWER

- BRANCH CIRCUIT PANELBOARD - SURFACE MOUNTED
- BRANCH CIRCUIT PANELBOARD - FLUSH MOUNTED
- DISTRIBUTION PANELBOARD OR SWITCHBOARD
- T — TRANSFORMER
- T — POLE MOUNTED TRANSFORMER
- MOTOR CONTROL CENTER
- CONTROL PANEL
- GROUND BAR
- M — UTILITY KILOWATT-HOUR METER
- SAFETY SWITCH - NON-FUSIBLE
- F — SAFETY SWITCH - FUSIBLE
- C — ENCLOSED CIRCUIT BREAKER
- MAGNETIC STARTER
- VFD — COMBINATION STARTER
  - VFD VARIABLE FREQUENCY DRIVE
- EQUIPMENT - MOTOR
- DUPLEX RECEPTACLE (NEMA 5-20R)
  - GFI GROUND FAULT CIRCUIT INTERRUPTER
  - SS SURGE SUPPRESSOR (ISOLATED GROUND TYPE)
  - WP WEATHERPROOF
  - HG HOSPITAL GRADE
  - TR TAMPER RESISTANT
  - C CONTROLLED
  - D DEDICATED
  - USB STANDARD DUPLEX WITH 2 USB PORTS
- DUPLEX RECEPTACLE - ABOVE COUNTER
- DUPLEX RECEPTACLE - SPLIT WIRED
- DUPLEX RECEPTACLE - EMERGENCY POWER
- DUPLEX RECEPTACLE - CEILING MOUNTED
- DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED
- QUADRUPLEX RECEPTACLE
- QUADRUPLEX RECEPTACLE - ABOVE COUNTER
- QUADRUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED
- SINGLE RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE - CEILING MOUNTED
- SPECIAL PURPOSE RECEPTACLE - FLUSH FLOOR MOUNTED
- J — FLOOR BOX - SEE SPECS OR KEYED NOTES ON PLAN FOR DETAILS
- PP — POWER POLE
- CEILING FAN
- HAND DRYER
- GAP — GENERATOR ANNUNCIATOR PANEL
- GFI — DEAD FRONT GFI WIRING DEVICE

LIGHTING

- A — LUMINAIRE TYPE
- LUMINAIRE - RECESSED (REFER TO LUMINAIRE SCHEDULE)
- 1LP-1a NL
  - NL — CONNECTED FOR NIGHT LIGHT USE
  - 1a — CIRCUIT NUMBER AND SWITCH LEG (LUMINAIRES ARE CONTROLLED BY LOCAL SWITCH UNLESS DESIGNATION GIVEN)
  - 1LP — PANEL NAME
- LUMINAIRE - SURFACE MOUNTED
- RECESSED LUMINAIRE CONNECTED TO THE EMERGENCY POWER SYSTEM OR BALLAST/DRIVER
- OPEN INDUSTRIAL LUMINAIRE
- OPEN INDUSTRIAL LUMINAIRE EMERGENCY POWER SYSTEM OR BALLAST/DRIVER
- WALL MOUNTED LUMINAIRE
- RECESSED DOWNLIGHT - CEILING MOUNTED
- RECESSED DOWNLIGHT w/ EMERGENCY BALLAST/DRIVER - CEILING MTD.
- SURFACE MOUNTED DOWNLIGHT
- RECESSED ADJUSTABLE/WALLWASH - CEILING MOUNTED
- POLE MOUNTED SITE LIGHTING - SINGLE HEAD
- POLE MOUNTED SITE LIGHTING - DUAL HEAD
- POLE MOUNTED SITE LIGHTING - TRIPLE HEAD
- POLE MOUNTED SITE LIGHTING - QUAD HEAD
- LINEAR PENDANT
- PENDANT
- TRACK LIGHTING
- EXIT SIGN - SINGLE FACE, CEILING MOUNTED ARROW INDICATES DIRECTION OF EXIT
- EXIT SIGN - SINGLE FACE, WALL MOUNTED
- EXIT SIGN - DUAL FACE, CEILING MOUNTED
- EXIT SIGN - DUAL FACE, WALL MOUNTED
- EXIT SIGN WITH EMERGENCY LIGHT ARROW INDICATES DIRECTION OF EXIT
- EMERGENCY LIGHT
- $a — TOGGLE SWITCH
  - 2 DOUBLE-POLE SINGLE-THROW (DPST)
  - 3 3-WAY
  - 4 4-WAY
  - b LOWER CASE LETTER DENOTES LTG. SWITCH GROUP
  - D DIMMER (WALL BOX TYPE)
  - F FAN SPEED CONTROLLER
  - K KEY OPERATED
  - LV LOW VOLTAGE SWITCH
  - MC MOMENTARY CONTACT SWITCH
  - OS WALL BOX OCCUPANCY SENSOR
  - OS2 WALL BOX OCCUPANCY SENSOR FOR TWO LEVEL SWITCHING
  - P PILOT LIGHT
  - T TIMER
  - TC TEACHER CONTROLS STATION
  - TE TEACHER ENTRY STATION
  - VS WALL BOX VACANCY SENSOR
  - WP WEATHERPROOF
- OS a — CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
  - a LOWER CASE LETTER DENOTES LTG. SWITCH GROUP
- DL a — CEILING MOUNTED DAYLIGHT SENSOR
  - a LOWER CASE LETTER DENOTES LTG. SWITCH GROUP
- VS a — CEILING MOUNTED DUAL TECHNOLOGY VACANCY SENSOR
  - a LOWER CASE LETTER DENOTES LTG. SWITCH GROUP
- PC — PHOTOCELL
- RC — ROOM CONTROLLER
- LC1 — LIGHTING CONTACTOR
- LPA-1 / LRP — PANEL NAME-CIRCUIT NUMBER; LIGHTING RELAY PANEL
- INV — INVERTER

FIRE ALARM

- LPA-1 — PANEL NAME-CIRCUIT NUMBER
- FCP — MAIN CONTROL PANEL (FCP)
  - FCP F/A MAIN CONTROL PANEL
  - FSA FIRE SYSTEM ANNUNCIATOR
  - FTR F/A TRANSPONDER OR TRANSMITTER
  - ESR ELEVATOR STATUS RECALL
  - FRP F/A RELAY PANEL
  - FAC F/A COMMUNICATOR
  - FPS FIRE ALARM ANNUNCIATION CIRCUIT POWER SUPPLY
- F — MANUAL PULL STATION
- S P — SMOKE DETECTOR
  - P PHOTOELECTRIC
  - PL PLENUM SMOKE DETECTOR
  - S SOUNDER BASE
- D — DUCT DETECTOR HOUSING AND SAMPLING TUBE
- H R — THERMAL (HEAT) DETECTOR
  - R RATE OF RISE ONLY
  - F FIXED TEMPERATURE
  - L LINE TYPE FIXED TEMPERATURE CABLE

  ALL HEAT DETECTORS SHALL BE 135°, COMBINATION TYPE UNLESS INDICATED OTHWERWISE.
- DP — SUPERVISORY SWITCH - DRY-PIPE PRESSURE SWITCH
- TS — SUPERVISORY SWITCH - TAMPER SWITCH
- WF — SUPERVISORY SWITCH - WATER FLOW SWITCH
- CONTROL DEVICE - DOOR HOLD OPEN
- F C — ADDRESSABLE INTERFACE MODULE
  - C CONTROL
  - M MONITORING
  - S SIGNALLING
  - V SOLENOID VALVE
- C — NOTIFICATION APPLIANCE
  - C CHIME
  - H HORN
  - LF LOW FREQUENCY
- 75 — NOTIFICATION APPLIANCE - STROBE ONLY
  - CANDELA VALUE AS SHOWN MINIMUM
- C 75 — NOTIFICATION APPLIANCE WITH STROBE
  - CANDELA VALUE AS SHOWN MINIMUM
  - C CHIME
  - H HORN
  - LF LOW FREQUENCY
- F — SHUNT TRIP PUSH BUTTON
- C 75 — NOTIFICATION APPLIANCE (CEILING)
  - C CHIME STROBE
  - H HORN STROBE
  - LF LOW FREQUENCY
  - CANDELA VALUE AS SHOWN MINIMUM
- CO — CARBON MONOXIDE DETECTOR
- 75 — CEILING MOUNTED COMBINATION VOICE EVACUATION SPEAKER AND STROBE
  - CANDELA VALUE AS SHOWN MINIMUM
- 75 — COMBINATION VOICE EVACUATION SPEAKER AND STROBE NOTIFICATION APPLIANCE
  - CANDELA VALUE AS SHOWN MINIMUM
- S — CEILING MOUNTED VOICE EVACUATION SPEAKER
- S — VOICE EVACUATION SPEAKER NOTIFICATION APPLIANCE
- $ RTS — REMOTE TEST SWITCH

SPECIAL SYSTEMS

- LPA-1 — PANEL NAME-CIRCUIT NUMBER
- ACCP — ACCESS CONTROL CONTROL PANEL
- DVR — DVR AND RACK
- CR — CARD READER - WITH 3/4" CONDUIT
  - K WITH KEY PAD
- ES — ELECTRIC STRIKE WITH 3/4" CONDUIT
- ML — ELECTRO-MAGNETIC LOCK WITH 3/4" CONDUIT
- VM — VIDEO MONITOR, FLAT SCREEN LCD WITH 3/4" CONDUIT
- DC — DOOR STATUS SWITCH WITH 3/4" CONDUIT
- MS — MOTION DETECTOR WITH 3/4" CONDUIT
- PS — POWER SUPPLY FOR PTZ CAMERA WITH 3/4" CONDUIT
- PS4 — 4-CHANNEL CAMERA POWER SUPPLY WITH 3/4" CONDUIT
- INDOOR FIXED CAMERA WITH 3/4" CONDUIT
  - PTZ PAN TILT ZOOM
  - WP WEATHERPROOF
- TV — TV OUTLET WITH 3/4" CONDUIT
- HANDICAP DOOR OPERATORS - SEE ARCHITECURALS WITH 3/4" CONDUIT
- GB — GLASS BREAK SENSOR WITH 3/4" CONDUIT
- V — VOLUME CONTROLLER - WITH 3/4" CONDUIT
- S — CEILING MOUNTED SPEAKER
- S — WALL MOUNTED SPEAKER
- IMS — INTERCOM MASTER STATION
- I — INTERCOM REMOTE STATION
  - P PEDESTAL MOUNT
  - S HIGH SECURITY
  - G GENERAL USE
- PUSH BUTTON
- DB — DOOR BELL SPEAKER/ CHIME
- RX — REQUEST TO EXIT

ONE-LINE DIAGRAM

- SERVICE DROP
- PANEL ### — PANELBOARD
- T-1 — 45 KVA 3Ø 208Y/120VAC — DELTA-WYE TRANSFORMER
- G — # KVA/KW 480Y/277V, 3Ø, 4W — GENERATOR
- # A, # POLES — AUTOMATIC TRANSFER SWITCH
- GROUND
- # AF, # AT — CIRCUIT BREAKER
- # AF, # AT — DRAWOUT CIRCUIT BREAKER
- M — # A — METER
- CURRENT TRANSFORMER
- POTENTIAL TRANSFORMER
- G — GROUND FAULT PROTECTED BREAKER
- ST — SHUNT TRIP BREAKER
- # A — SWITCH
- FUSE
- CONTACTOR
- THERMAL OVERLOAD
- 49 — ELECTRONIC OVERLOAD
- SPD — SURGE PROTECTION DEVICE
- VFD — VARIABLE FREQUENCY DRIVE
- K — KIRK KEY INTERLOCK
- DPM — DIGITAL POWER METER

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI — WARREN RAY KOHM NUMBER (E-29041) — REGISTERED PROFESSIONAL ENGINEER

11/26/2025
EXP. 12/31/2026

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lewis Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

SHEET TITLE:

GENERAL INFORMATION

SHEET NUMBER:

E-001

SHEET 194 of 219
ISSUE DATE 11/26/2025

11/26/2025 8:53:37 AM

GENERAL NOTES

COMMON REQUIREMENTS:

A. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, ELEVATIONS, AND BUILDING DETAILS. VERIFY LOCATION OF ALL WALL OUTLETS, SWITCHES, ETC., WITH ARCHITECTURAL DRAWINGS AND ACTUAL CONDITIONS.

B. PRIOR TO ROUGH-IN AND FINAL CONNECTION OF EQUIPMENT, VERIFY ELECTRICAL REQUIREMENTS OF EQUIPMENT WITH OTHER TRADES CONSTRUCTION DOCUMENTS AND FINALIZED SHOP DRAWINGS. VERIFICATION SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: VOLTAGE, AMPERAGE, TOTAL LOAD, OVER-CURRENT PROTECTION REQUIREMENTS, MOUNTING HEIGHT OF ELECTRICAL CONNECTION, CABLE TYPE AND SIZE, WIRING DIAGRAMS.

C. COORDINATE SCHEDULE OF CONSTRUCTION WITH THE OWNER, OTHER TRADES AND UTILITIES INVOLVED BEFORE TRENCHING AND INSTALLATION OF UNDERGROUND CONDUIT. USE EXTREME CAUTION DURING EXCAVATION TO LOCATE EXISTING UNDERGROUND PIPING, CONDUITS, ETC. LOCATE AND PROTECT ANY BURIED UTILITIES IN AREAS OF EXCAVATION.

D. GROUT AND SEAL ALL CONDUIT PENETRATIONS OF WALLS AND FLOOR SLABS TO PRESERVE FIRE RATING AND WATERTIGHT INTEGRITY.

E. THE CONTRACTOR SHALL CONTACT AND OBTAIN FROM THE UTILITY COMPANY ALL INFORMATION, REQUIREMENTS, THEIR CONSTRUCTION DRAWINGS AND SPECIFICATIONS TO COMPLETE THE ELECTRICAL PRIMARY/SECONDARY SERVICE TO THIS PROJECT. INCLUDE IN BASE BID, BUT NOT LIMIT TO, TRENCHING, BACKFILL, TRANSFORMER CONCRETE PAD, CONDUITS, METERING REQUIREMENTS, AND PROVIDE COMPLIANT EQUIPMENT IN THE CORRECT SEQUENCE, CONTRIBUTION COSTS, ENGINEERING FEE AND SERVICE CHARGES FOR ALL ELECTRICAL SERVICES TO THIS PROJECT.

F. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ACTUAL LAYOUT OF LUMINAIRES AND CEILING TYPES. VERIFY CEILING TYPES PRIOR TO ORDERING LUMINAIRES.

G. REFER TO ARCHITECTURAL PLANS TO CONFIRM ALL FIRE-RATED CEILINGS AND WALLS.

1. ALL PENETRATIONS OF FIRE-RESISTIVE FLOORS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAILS THAT CONFORM TO UNDERWRITERS' LABORATORIES LISTINGS FOR "THROUGH-PENETRATION FIRE STOP SYSTEMS." THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS, FURNISHED BY THE MANUFACTURER OF THE FIRE STOP MATERIAL, WHICH SHOW COMPLETE CONFORMANCE TO THE UL LISTING AND SHALL BE SPECIFIC FOR EACH PENETRATION WITH ALL VARIABLES DEFINED. THESE FINAL AND APPROVED DRAWINGS SHALL BE READILY AVAILABLE TO THE LOCAL INSPECTORS AT ALL TIMES AT THE PROJECT SITE.

H. ALL LIGHT FIXTURES SHALL BE EQUIPPED WITH A GREEN GROUND WIRE BONDED TO THE HOUSING.

I. FINISH OF ALL LIGHTING FIXTURES IS SUBJECT TO ARCHITECT'S APPROVAL. SUBMIT SAMPLES IF REQUESTED.

J. ALL LUMINAIRES WITH EMERGENCY BATTERIES SHALL HAVE THE BATTERY CHARGER CIRCUITED TO THE AMBIENT LIGHTING CIRCUIT IN THE SPACE BUT SHALL BE UNSWITCHED. IF THE LUMINAIRE IS INDICATED AS SWITCHED, ONLY THE LUMINAIRE SHALL BE CONTROLLED BY THE SWITCHED CONDUCTORS (BATTERY CHARGER SHALL REMAIN UNSWITCHED).

K. FIELD ADJUST ALL LUMINAIRES REQUIRING AIMING WITH THE OWNER PRESENT AND TO THEIR SATISFACTION.

L. PROVIDE AND INSTALL IN EACH PANEL, TYPEWRITTEN NEAT TWO-COLUMN CIRCUIT INDEX CARD SET UNDER PLASTIC COVERS ON INSIDE OF DOORS. EACH ODD-NUMBERED CIRCUIT SHALL BE IN SEQUENCE ON ONE COLUMN AND THE EVEN-NUMBERED CIRCUITS ON THE OTHER COLUMN (E.G. 1,3,5,..,2,4,6,..). EACH CIRCUIT SHALL BE IDENTIFIED AS TO THE USE AND ROOM NAME(S) OR AREA(S). THE CONTRACTOR SHALL CONFIRM ROOM NAMES AND/OR ROOM NUMBERS WITH THE ARCHITECT PRIOR TO PROJECT COMPLETION.

M. FROM EACH FLUSH MOUNTED PANEL STUB (2) 3/4"C AND (1) 1"C INTO NEAREST ACCESSIBLE CEILING SPACE.

N. PRIOR TO SUBMITTING BID PROPOSAL, BIDDER SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND VISIT CONSTRUCTION SITE TO BE FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH THEY WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.

O. CONTRACTOR SHALL NOT SCALE DRAWING FOR QUANTITIES. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL MEASUREMENTS.

P. IF POSSIBLE, ALL NEWLY INSTALLED RECEPTACLES SHALL BE INSTALLED IN SEPARATE OR ADJACENT STUD SPACES, TO AVOID SOUND TRANSMISSION AND WALL INTEGRITY ISSUES. ALL NEWLY INSTALLED RECEPTACLES LOCATED IN COMMON STUD SPACES OF FIRE-RESISTANT WALLS SHALL BE EQUIPPED WITH FIRE-RESISTANT PUTTY PADS AT THE BACK OF EACH BOX IN ACCORDANCE WITH NEC.

Q. SECURE ALL LOW VOLTAGE DATA, SIGNALING AND CONTROL WIRING TO THE STRUCTURE AT INTERVALS NO MORE THAN 4 FEET.

R. ALL FLOOR MOUNTED SWITCH GEAR, UNIT SUBSTATIONS, BOXES AND TRANSFORMERS LARGER THAN 75 KVA SHALL BE INSTALLED ON A NOMINAL 4" HOUSEKEEPING PAD. PAD SHALL EXTEND FROM ELECTRICAL EQUIPMENT 6" IN ANY DIRECTION.

S. WHERE CONDUIT AND WIRING RUNS ARE NOT SHOWN ON FLOOR PLANS, THE CONTRACTOR SHALL DETERMINE AND PROVIDE THE REQUIRED CONDUIT AND WIRING FOR SPECIFIED CIRCUITING IN ACCORDANCE WITH NEC AND THE FOLLOWING MINIMUM REQUIREMENTS:

1. MINIMUM CONDUIT SIZE SHALL BE 3/4".
2. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG. #10 AWG SHALL BE USED FOR HOME RUNS OF 20 AMP BRANCH CIRCUITS OVER 100 FEET IN LENGTH.
3. EACH RACEWAY SHALL CONTAIN AN INSULATED EQUIPMENT GROUNDING CONDUCTOR PER NEC.
4. DERATING OF CONDUCTOR AMPACITY SHALL BE APPLIED PER NEC.
5. NO SHARING OF NEUTRALS ALLOWED. CIRCUIT SHALL HAVE DEDICATED NEUTRAL CONDUCTORS. ONE CIRCUIT, ONE NEUTRAL.
6. MAXIMUM SIX FOOT FLEXIBLE LUMINAIRE WHIP SHALL BE USED FOR FINAL CONNECTIONS TO LIGHT FIXTURES INSTALLED IN LAY-IN CEILINGS. MAXIMUM FOUR LUMINAIRE WHIPS SHALL BE CONNECTED FROM ONE JUNCTION BOX. FEED THRU BETWEEN LUMINAIRES SHALL NOT BE ALLOWED.
   a. EXCEPTION: ALL RECESSED LUMINAIRES IN HARD CEILINGS SHALL HAVE FEED-THRU JUNCTION BOXES.

RENOVATION NOTES:

A. RENOVATION OF ELECTRICAL FACILITIES WILL BE REQUIRED IN THE EXISTING BUILDING. EXISTING CONDUIT RUNS ARE GENERALLY NOT SHOWN. ALTHOUGH A FULL ATTEMPT HAS BEEN MADE TO SHOW SOME EXISTING CONDITIONS, OF WHICH INFORMATION HAS BEEN TAKEN FROM EXISTING RECORD DRAWINGS OF THIS PROJECT. THE DRAWINGS SHOWING LOCATION OF EXISTING EQUIPMENT, OUTLETS, LUMINAIRES, ETC., IN EXISTING AREAS ARE APPROXIMATE ONLY.

1. DRAWINGS SHOW EXISTING CONDITIONS OF THE SITE. AN ATTEMPT HAS BEEN MADE TO SHOW EXISTING BUILDING, SITE DETAILS, ETC., BUT ACCURACY CANNOT BE GUARANTEED. VERIFY EXACT LOCATIONS OF ALL CIRCUITS, CONDUITS, PIPING, EQUIPMENT, ETC. VERIFY ALL SITE AND BUILDING DETAILS.

B. BRANCH CIRCUITS SHALL BE REUSED WHERE PRACTICAL AND SHALL, IN ADDITION, BE REMODELED AS REQUIRED. THE CONTRACTOR SHALL CONCEAL ALL WORK WHERE POSSIBLE. WHERE EXPOSED WORK IS REQUIRED IN FINISHED AREAS, THE CONTRACTOR SHALL USE WIREMOLD RACEWAY WITH #500 BEING THE MINIMUM SIZE ACCEPTABLE.

C. EXISTING ELECTRICAL WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO OPERATING CONDITION, AS REQUIRED AND/OR DIRECTED. WHERE REQUIRED, SHOWN AND/OR DIRECTED, OUTLETS AND CONDUIT RUNS SHALL BE RELOCATED. IN SOME CASES IT MAY BE NECESSARY TO EXTEND CONDUITS AND PULL IN NEW WIRING OR INSTALL JUNCTION BOXES AND SPLICE IN NEW WIRING OR REPLACE OLD WIRING WITH NEW.

D. OUTLETS FROM WHICH LUMINAIRES, SWITCHES, RECEPTACLES, AND/OR OTHER ELECTRICAL DEVICES ARE MOVED AND WHICH ARE NOT REPLACED OR REUSED SHALL BE REMOVED OR, IF IT IS NOT POSSIBLE TO REMOVE, PLACE A BLANK COVER ON THE OUTLET BOX. WHERE OUTLETS, BOXES, ETC., ARE COMPLETELY REMOVED, THE CONTRACTOR SHALL CUT OFF CONDUITS AND REMOVE WIRING.

E. WHERE EXISTING LUMINAIRES ARE TO BE REUSED, THE ELECTRICAL CONTRACTOR SHALL CLEAN AND REPLACE LAMPS, REPAIR OR REPLACE DEFECTIVE PARTS, LENS, BALLAST, ETC. AS REQUIRED.

F. WHERE EXISTING CONDUIT IS TO BE ABANDONED, THE CONDUIT SHALL BE REMOVED IF IT IS EXPOSED, IN A CRAWL SPACE OR IN AN ACCESSIBLE CEILING. WHERE IT IS IMPOSSIBLE TO REMOVE THE CONDUIT, IT SHALL BE CUT OFF AND CAPPED OR PLUGGED, THAT IT WILL NOT PROTRUDE BEYOND THE FINISHED SURFACE. WHERE CONDUITS EXTENDING THROUGH FLOORS ARE TO BE ABANDONED, THE CONTRACTOR SHALL CUT AND CAP OR PLUG CONDUIT, THAT IT WILL NOT PROTRUDE ABOVE THE FLOOR.

G. THE CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND/OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THIS SPECIFICATION. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC., AS REQUIRED. THE CONTRACTOR SHALL EMPLOY QUALIFIED AND EXPERIENCED WORKMEN FOR THIS WORK. ALL RESTORATION WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND/OR THE OWNER.

H. ALL TEMPORARY AND REMODELING WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.

I. EXAMINE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE SEQUENCE OF CONSTRUCTION THROUGHOUT THE PROJECT, INCLUDING EXISTING, TEMPORARY, REMODELED AND NEW AREAS.

J. ALL ELECTRICAL CONNECTIONS REQUIRING AN OUTAGE SHALL BE MADE DURING AN APPROVED TIME LIMIT. CHANGEOVERS SHALL BE AS SHORT A DURATION AS POSSIBLE AND SHALL NOT INTERFERE WITH NORMAL OPERATION OF THE OWNER'S FACILITIES. NOTICE SHALL BE REQUIRED IN ADVANCE OF A SHUTDOWN OF ANY ELECTRICAL CIRCUIT FOR CHANGEOVER, AND SUCH A CHANGEOVER SHALL BE DONE DURING HOURS AS DIRECTED BY OWNER. WORK SHALL BE SCHEDULED SO THAT AT NO TIME WILL ANY EMERGENCY FEEDER, CIRCUIT, OR FIRE ALARM ZONE BE OUT OF SERVICE. PROVIDE NECESSARY TEMPORARY FEEDERS TO ACCOMPLISH THIS REQUIREMENT.

K. EXISTING LOW VOLTAGE WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO CONDITION, OR POSITION, AS REQUIRED. PROPERLY RE-SECURE CABLE IN CHASES, CRAWL SPACES, TUNNELS, AND CEILING SPACES AS REQUIRED BY NEC. IN SOME CASES IT MAY BE NECESSARY TO ADD SUPPORTING HARDWARE TO ACCOMPLISH THIS REQUIREMENT.

DEMOLITION:

A. RETURN REMOVED MATERIAL DEEMED SALVAGEABLE BY OWNER'S REPRESENTATIVE. MATERIALS DEEMED NOT SALVAGEABLE SHALL BE REMOVED FROM THE PREMISES.

B. REMOVE ALL EXISTING WIRING DEVICES, LUMINAIRES, WIRE, CONDUIT, ETC., AS NOTED OR INDICATED WITHIN DEMOLITION AREA. (ALL ITEMS MAY NOT BE SHOWN). REWORK AS NECESSARY CIRCUITING WHICH REQUIRES CONTINUATION THROUGH THE AREA.

C. ELECTRICAL CONTRACTOR TO PROVIDE ALL NECESSARY LABOR, CONDUIT, WIRE, CONNECTIONS, ETC., FOR DEVICES, LUMINAIRES, ETC., NOTED AS "EXISTING TO REMAIN" SUCH THAT EXISTING CIRCUIT CONTINUITY IS MAINTAINED.

D. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED TO REMOVE/RELOCATE ANY EXISTING ELECTRICAL EQUIPMENT SUCH THAT ELECTRIC SHOCK HAZARDS TO WORKMEN ARE ELIMINATED DURING DEMOLITION AND NEW CONSTRUCTION.

E. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK IN REMOVING AND REPLACING "EXISTING TO REMAIN" LUMINAIRES, DEVICES, ETC., AS REQUIRED SO THAT THESE DEVICES ARE NOT DAMAGED DURING DEMOLITION. RELOCATED TO NEAREST APPROPRIATE LOCATION TO AVOID CONFLICTS WITH OTHER TRADES' WORK. REPLACE WITH NEW ANY "EXISTING TO REMAIN" LUMINAIRE, DEVICE, ETC., NOT DEEMED SALVAGEABLE BY OWNER'S REPRESENTATIVE.

F. REMOVED OR DAMAGED CONDUIT, WIRE, AND FITTINGS SHALL NOT BE REUSED FOR RELOCATED OR NEW DEVICES.

G. MAKE AS-BUILTS WITH NEW TYPED DIRECTORIES FOR ALL PANELBOARDS, INDICATING CIRCUIT DESCRIPTION (USED OR SPARE), CIRCUIT BREAKERS AND CIRCUIT LOAD.

H. WORK REQUIRED FOR EXISTING EQUIPMENT NOTED AS "EXISTING TO BE REMOVED" SHALL INCLUDE:

1. REMOVAL OF FEEDER FROM EQUIPMENT TO POINT OF FEED.
2. REMOVAL OR RE-CIRCUITING OF ALL BRANCH CIRCUITING.
3. REMOVAL OF ALL FITTINGS, SUPPORTS, BRACKETS, ETC.
4. PATCHING OF WALLS, FLOORS AND CEILINGS PER ARCHITECT'S INSTRUCTIONS.
5. CAPPING OF FEEDER CONDUIT AT 6" ABOVE OR BELOW FLOOR/CEILING AS REQUIRED AND MARKING LOCATION OF POINT OF FEED WITH AN ENGRAVED BRASS TAG.
6. REMOVAL OF FEEDER CONDUIT IF FOUND TO BE UNSALVAGEABLE BY ARCHITECT, ENGINEER OR OWNER'S REPRESENTATIVE.

I. EXISTING EQUIPMENT NOT IMPLICITLY SHOWN ON THE DRAWINGS IS INTENDED TO BE "EXISTING TO REMAIN UNCHANGED", UNLESS NOTED OTHERWISE.

ABBREVIATIONS

%Z	IMPEDANCE
(E)	EXISTING (ALSO COVERED BY TEXT WEIGHT)
(F)	FUTURE
(PART)	PARTIAL CIRCUIT
(R)	RELOCATE
A	AMPERES
AC	6" ABOVE COUNTER
ADA	AMERICANS WITH DISABILITIES ACT
AF	AMPERES FRAME
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERES INTERRUPTION CAPACITY
AL	ALUMINUM
AT	AMPERES TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CAM	CAMERA
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CCW	COUNTER CLOCKWISE
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CO	CONDUIT ONLY
CRI	COLOR RENDERING INDEX
CT	CURRENT TRANSFORMER
CU	COPPER
CW	CLOCKWISE
D	DEDICATED
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DR	DUPLEX RECEPTACLE
DWG	DRAWING(S)
EC	ELECTRICAL CONTRACTOR
ELC	ELEVATOR CONTRACTOR
ELEC	ELECTRIC/ELECTRICAL
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
F	FUSED
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLE
FLA	FULL LOAD AMPERES
FMC	FLEXIBLE METAL CONDUIT
FO	FIBER OPTIC
FPC	FIRE PROTECTION CONTRACTOR
FS	FUSED SWITCH
FSC	FOOD SERVICE CONTRACTOR
FSD	FIRE/SMOKE DAMPER
FT	FOOT/FEET
FVNR	FULL VOLTAGE, NON-REVERSING
FVR	FULL VOLTAGE, REVERSING
G/GND	GROUND/GROUNDING
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GF	GROUND FAULT
GFI/GFCI	GROUND FAULT INTERRUPTER
H	HORIZONTALLY MOUNTED
HG	HOSPITAL GRADE
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HZ	FREQUENCY
I/O	INPUT/OUTPUT
ID	INSIDE DIAMETER
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
ISC	SHORT CIRCUIT CURRENT
JB	JUNCTION BOX
K	KELVIN (COLOR TEMPERATURE)
KCMIL	1000 CIRCULAR MILS
KV	KILOVOLTS
KVA	KILVOLT-AMPERES
KW	KILOWATTS
KWH	KILOWATT-HOUR
LAN	LOCAL AREA NETWORK
LC	LIGHTING CONTACTOR
LCP	LIGHTING CONTROL PANEL
LED	LIGHT EMITTING DIODE
LF	LINEAR FOOT
LFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT
LM	LUMEN
LTG	LIGHTING
LV	LOW VOLTAGE
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPERES
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MDF	MAIN DISTRIBUTION FRAME
MDP	MAIN DISTRIBUTION PANEL
MEPFP	MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION
MGB	MASTER GROUND BAR
MH	METAL HALIDE
MIN	MINIMUM
MLO	MAIN LUG ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MSB	MAIN SWITCHBOARD
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
MVA	MEGAVOLT-AMPERES
MW	MEGAWATT
MWH	MEGAWATT-HOURS
N	NEUTRAL
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NON-FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NP	NAMEPLATE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OWN	OWNER
P	POLE
PA	PUBLIC ADDRESS
PB	PULL BOX
PC	PLUMBING CONTRACTOR
PF	POWER FACTOR
PH	PHASE
PIR	PASSIVE INFRARED
PLC	PROGRAMMABLE LOGIC CONTROLLER
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
PWC	PRE-WIRED CONTROLS
PWR	POWER
RCPT	RECEPTACLE
REQD	REQUIRED
RF	RADIO FREQUENCY
RM	ROOM
RMC	RIGID METAL CONDUIT
RNC	RIGID NON-METALLIC CONDUIT (SCH 40)
RVAT	REDUCED VOLTAGE - AUTOTRANSFORMER
SC	SHORT CIRCUIT
SCC	SHORT CIRCUIT CURRENT RATING
SDP	SUBDISTRIBUTION PANEL
SEC	SECONDARY
SHLD	SHIELDED) (AS IN CABLE)
SHT	SHEET
SPD	SURGE-PROTECTIVE DEVICE
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
SR	SINGLE RECEPTACLE
SS	SURGE SUPPRESSOR (ISOLATED GROUND TYPE)
ST	SHUNT TRIP
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TBD	TO BE DETERMINED
TC	TIMECLOCK
TCC	TEMPERATURE CONTROLS CONTRACTOR
TEMP	TEMPERATURE
TR	TAMPER RESISTANT
TT	THERMAL TRIP SWITCH
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
U	UTILITY
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERUPTABLE POWER SUPPLY
USB	STANDARD DUPLEX WITH 2 USB PORTS
V	VOLTS
VA	VOLT-AMPERES
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLTS DIRECT CURRENT
VFD	VARIABLE FREQUENCY DRIVE
VND	VENDOR
W	WATTS
W	WIRE
WHM	WATTHOUR METER
WP	WEATHERPROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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11/26/2025
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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
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DESIGNED BY: TLA

SHEET TITLE:

GENERAL INFORMATION

SHEET NUMBER:

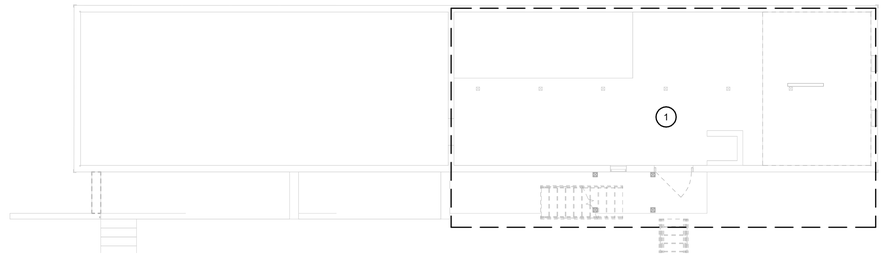
E-002

SHEET 195 of 219
ISSUE DATE 11/26/2025

11/26/2025 9:55:37 AM

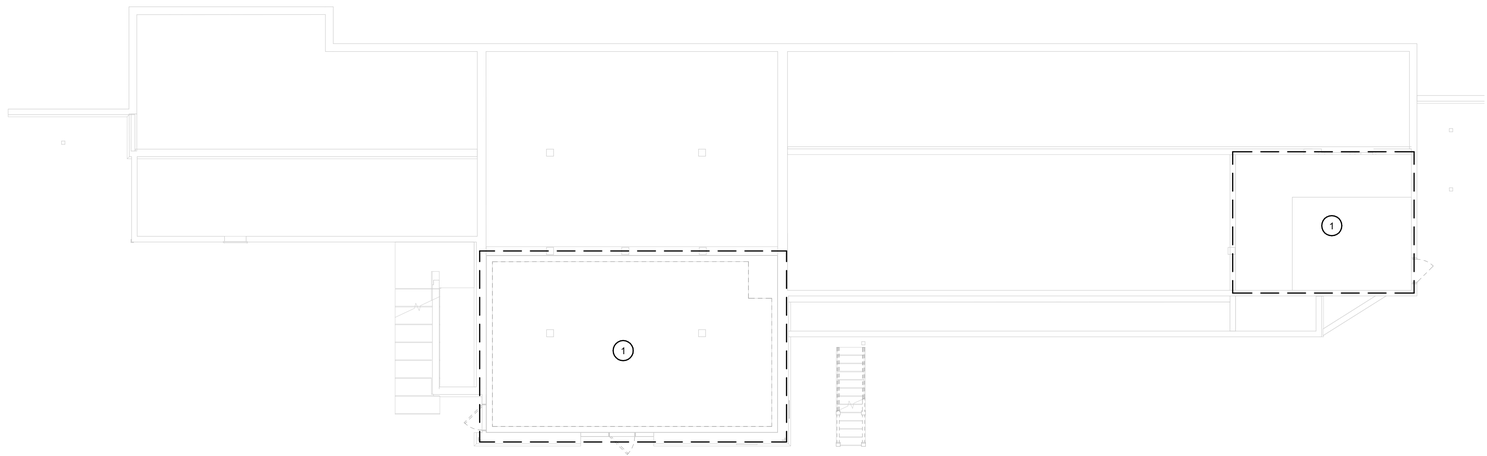
KEYNOTES (#)

1 REMOVE ALL ELECTRICAL CONNECTIONS AND WIRING FOR EXISTING EQUIPMENT IN THIS SPACE BACK TO THE SOURCE.



1 **BASEMENT DEMOLITION PLAN - LOWER DORM - ALTERNATE #1**
SCALE: 1/8" = 1'-0"

0 4 8 16 PLAN NORTH



2 **BASEMENT DEMOLITION PLAN - LODGE - BASE BID**
SCALE: 1/8" = 1'-0"

0 4 8 16 PLAN NORTH

11/26/2025 9:33:58 AM

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☒
Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☒
Gymnasium	7815232011	☒	(2B)Cabin E	7815232006	☒
Game Room	7815232012	☒	(2B)Cabin F	7815232007	☒
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☒
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

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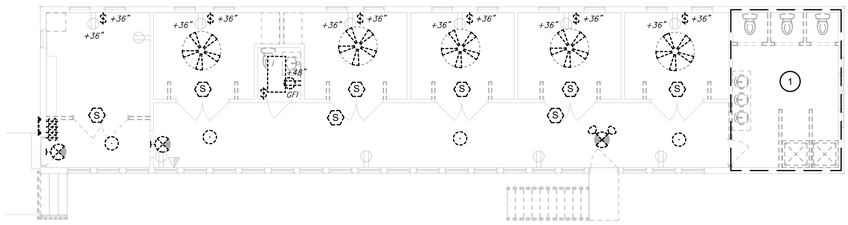
SHEET TITLE:

BASEMENT DEMOLITION PLAN - LODGE AND LOWER DORM

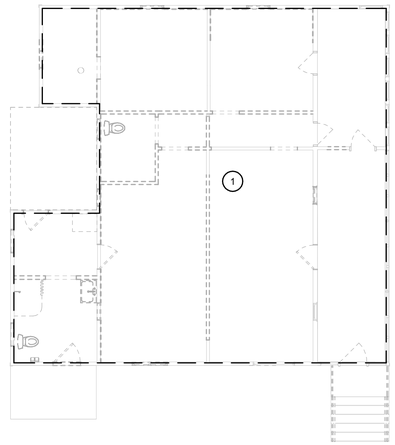
SHEET NUMBER:

E-101

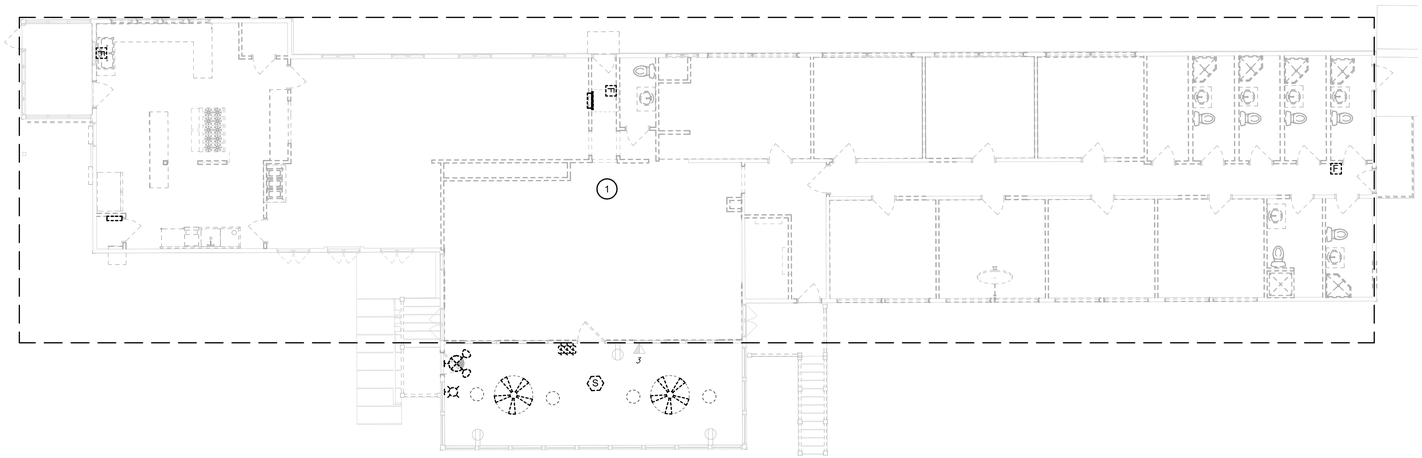
SHEET 196 of 219
ISSUE DATE 11/26/2025



2 **FIRST FLOOR DEMOLITION PLAN - LOWER DORM - ALTERNATE #1**
SCALE: 1/8" = 1'-0"



3 **FIRST FLOOR DEMOLITION PLAN - FAMILY CABIN - ALTERNATE #2**
SCALE: 1/8" = 1'-0"



1 **FIRST FLOOR DEMOLITION PLAN - LODGE - BASE BID**
SCALE: 1/8" = 1'-0"

0 4 8 16 PLAN NORTH

KEYNOTES (#)

1 REMOVE ALL ELECTRICAL CONNECTIONS AND WIRING FOR EXISTING EQUIPMENT IN THIS SPACE BACK TO THE SOURCE, UNLESS OTHERWISE NOTED.

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GOVERNOR

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
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Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
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DESIGNED BY: TLA

SHEET TITLE:

DEMOLITION PLAN - LODGE, FAMILY CABIN, AND LOWER DORM

SHEET NUMBER:

E-102

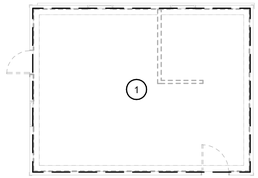
SHEET 197 of 219
ISSUE DATE 11/26/2025

11/26/2025 8:53:59 AM

KEYNOTES (#)

1 REMOVE ALL ELECTRICAL CONNECTIONS AND WIRING FOR EXISTING EQUIPMENT IN THIS SPACE BACK TO THE SOURCE.

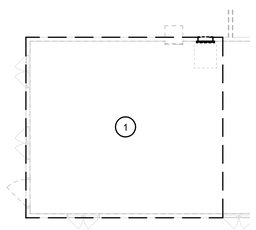
2 EXISTING ELECTRICAL PANEL TO REMAIN.



3 **FIRST FLOOR DEMOLITION PLAN - RESTROOM - BASE BID**

SCALE: 1/8" = 1'-0"

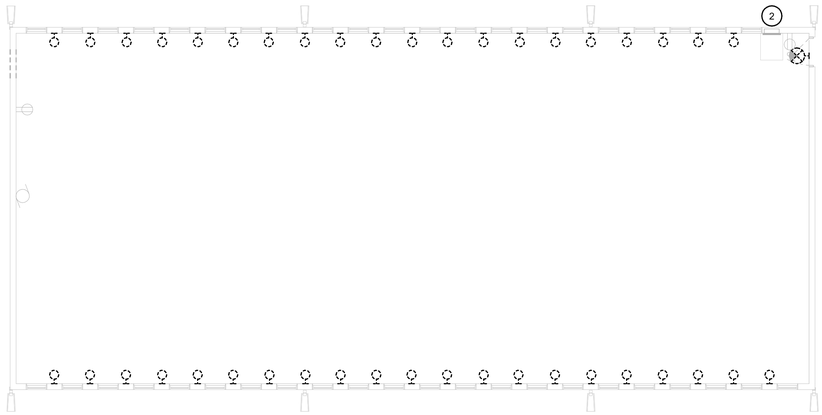
0 4 8 16 PLAN NORTH



2 **FIRST FLOOR DEMOLITION PLAN - GAME ROOM - ALTERNATE #3**

SCALE: 1/8" = 1'-0"

0 4 8 16 PLAN NORTH



1 **FIRST FLOOR DEMOLITION PLAN - GYMNASIUM - BASE BID**

SCALE: 1/8" = 1'-0"

0 4 8 16 PLAN NORTH

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

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Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

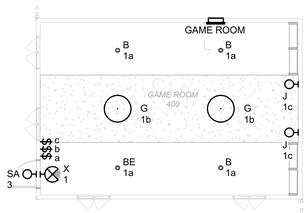
SHEET TITLE:

FIRST FLOOR DEMOLITION PLAN - GYMNASIUM, GAME ROOM AND STORAGE

SHEET NUMBER:

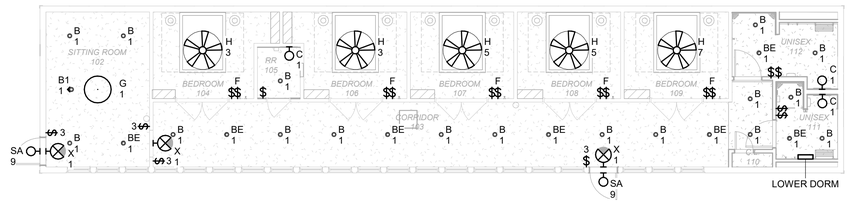
E-103

SHEET 198 of 219
ISSUE DATE 11/26/2025



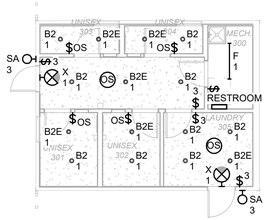
2 FIRST FLOOR LIGHTING PLAN - GAME ROOM - ALTERNATE #3

SCALE: 1/8" = 1'-0"



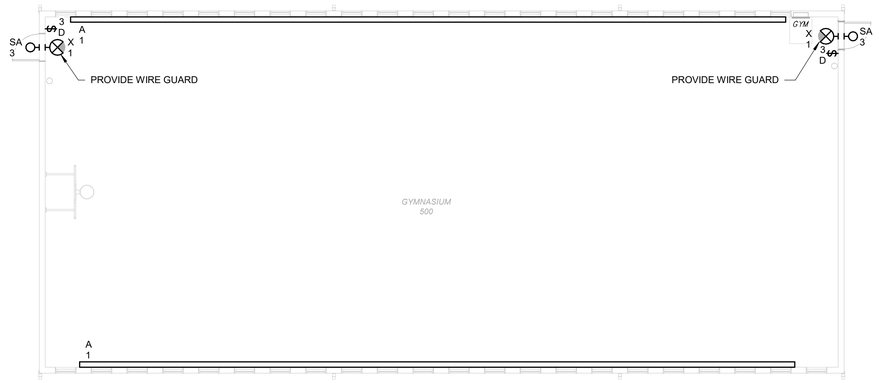
1 FIRST FLOOR LIGHTING PLAN - LOWER DORM - ALTERNATE #1

SCALE: 1/8" = 1'-0"



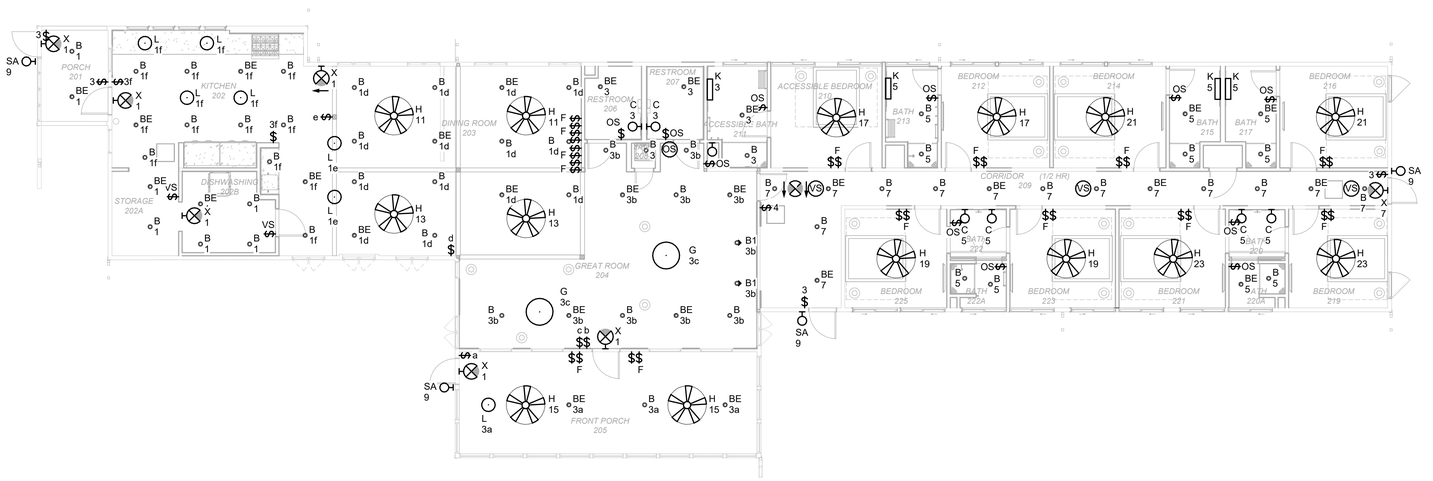
4 FIRST FLOOR LIGHTING PLAN - RESTROOMS - BASE BID

SCALE: 1/8" = 1'-0"



3 FIRST FLOOR LIGHTING PLAN - GYMNASIUM - BASE BID

SCALE: 1/8" = 1'-0"



5 FIRST FLOOR LIGHTING PLAN - LODGE - BASE BID

SCALE: 1/8" = 1'-0"

11/26/2025 9:54:02 AM

GENERAL NOTES

A. ALL CIRCUITING SHOWN AT THE:

* LODGE TO BE CIRCUITED TO PANEL LODGE UNLESS OTHERWISE NOTED.
* LOWER DORM TO BE CIRCUITED TO PANEL LOWER DORM UNLESS OTHERWISE NOTED.
* GAME ROOM TO BE CIRCUITED TO PANEL GAME ROOM UNLESS OTHERWISE NOTED.
* RESTROOMS TO BE CIRCUITED TO PANEL RESTROOM UNLESS OTHERWISE NOTED.
* GYM TO BE CIRCUITED TO PANEL GYM UNLESS OTHERWISE NOTED.

KEYNOTES (#)

STATE OF MISSOURI
MIKE KEHOE
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NUMBER
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REGISTERED PROFESSIONAL ENGINEER

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

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RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

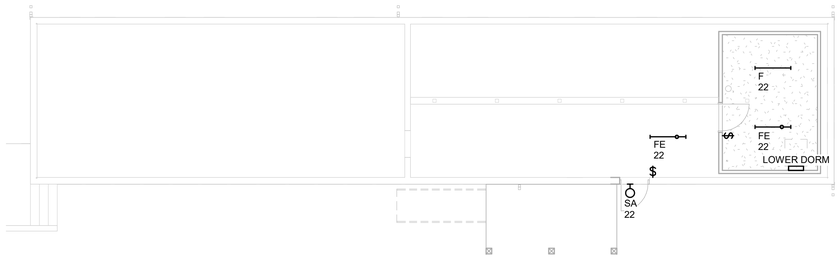
SHEET TITLE:

LIGHTING PLAN - LOWER DORM, GYM, LODGE, GAME ROOM & RESTROOMS

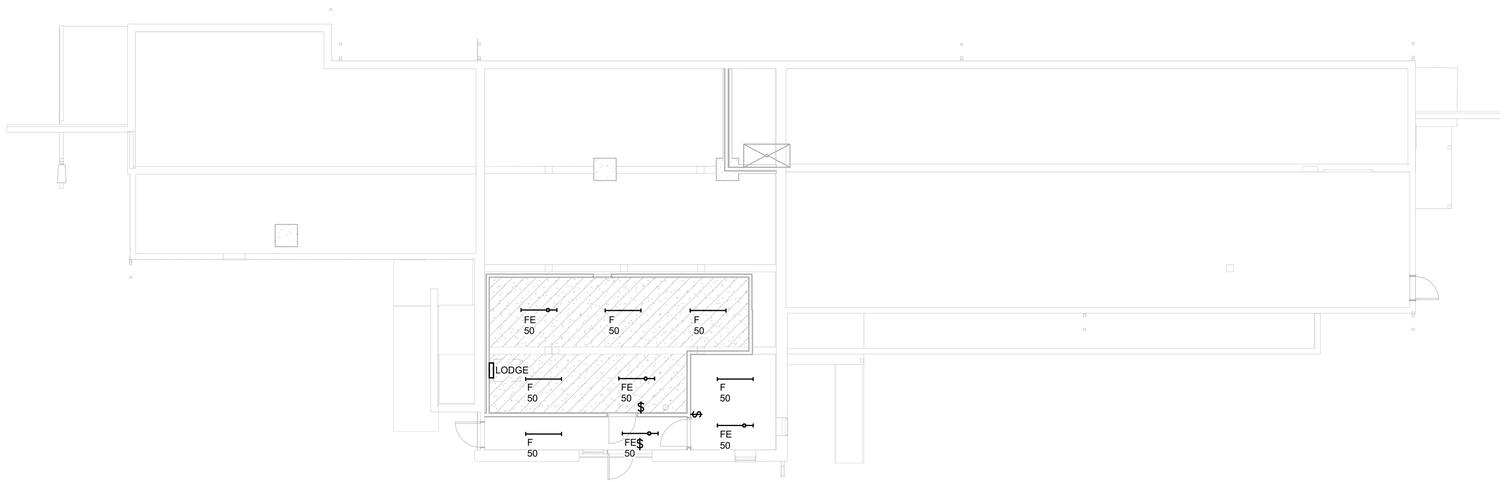
SHEET NUMBER:

E-104

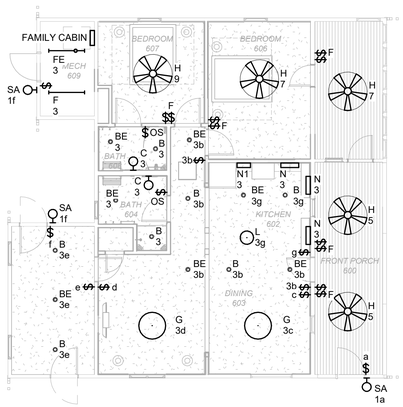
SHEET 199 of 219
ISSUE DATE 11/26/2025



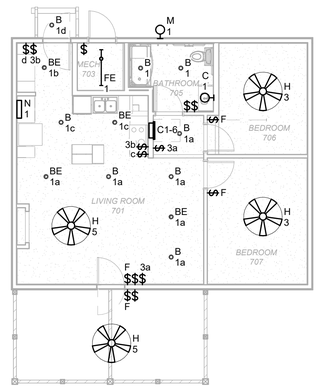
4 **BASEMENT LIGHTING PLAN - LOWER DORM - ALTERNATE #1**
SCALE: 1/8" = 1'-0"



3 **BASEMENT LIGHTING PLAN - LODGE - BASE BID**
SCALE: 1/8" = 1'-0"



2 **FIRST FLOOR LIGHTING PLAN - FAMILY CABIN - ALTERNATE #2**
SCALE: 1/8" = 1'-0"



1 **FIRST FLOOR LIGHTING PLAN - TWO BEDROOM CABIN - BASE BID**
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. ALL CIRCUITING SHOWN AT THE:

* LODGE TO BE CIRCUITED TO PANEL LODGE UNLESS OTHERWISE NOTED.

* LOWER DORM TO BE CIRCUITED TO PANEL LOWER DORM UNLESS OTHERWISE NOTED.

* FAMILY CABIN TO BE CIRCUITED TO PANEL FC UNLESS OTHERWISE NOTED.

* TWO BEDROOM CABINS TO BE CIRCUITED TO THE CORRESPONDING C-1 THRU C-6...

KEYNOTES (#)

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MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
NUMBER
E-29041
REGISTERED PROFESSIONAL ENGINEER
11/26/2025
EXP. 12/31/2026

Farnsworth GROUP
20 ALLEN AVENUE, SUITE 200
ST LOUIS, MISSOURI 63119
(314) 962-7900 / info@f-w.com
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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

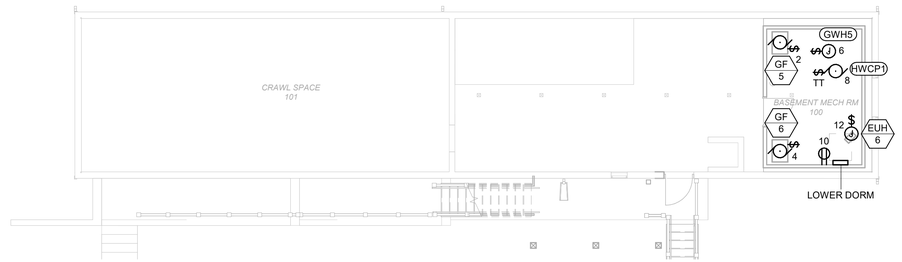
SHEET TITLE:

BASEMENT/FIRST FLOOR LIGHTING PLAN - LOWER DORM AND LODGE, 2 BEDROOM AND FAMILY CABIN

E-105

SHEET 200 of 219
ISSUE DATE 11/26/2025

11/26/2025 8:54:04 AM

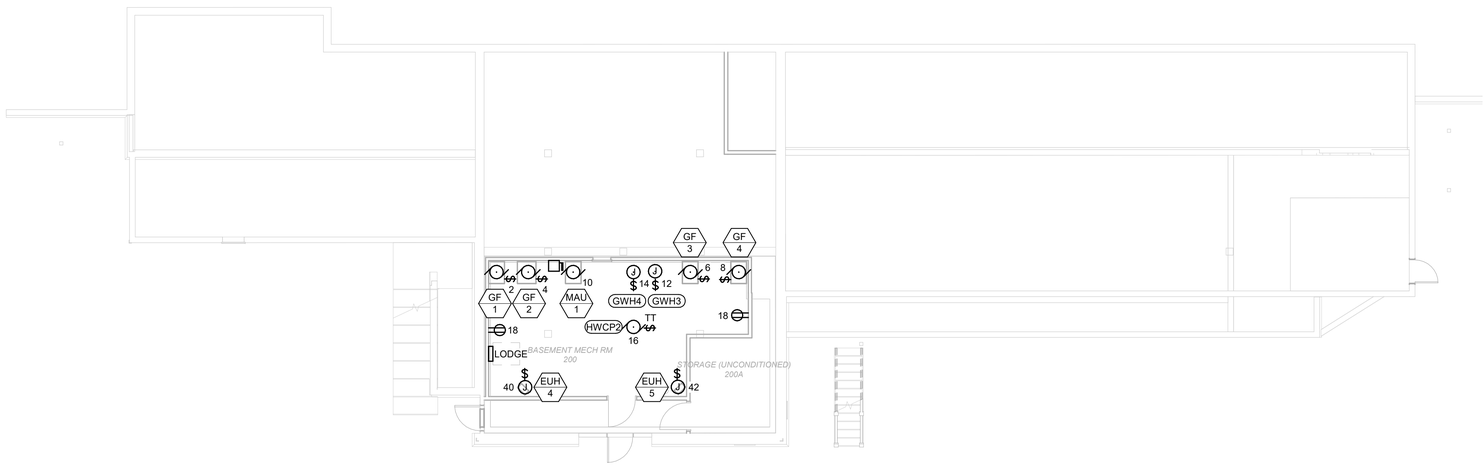


1 **BASEMENT POWER PLAN - LOWER DORM - ALTERNATE #1**

SCALE: 1/8" = 1'-0"

0 4 8 16

TRUE NORTH



2 **BASEMENT POWER PLAN - LODGE - BASE BID**

SCALE: 1/8" = 1'-0"

0 4 8 16

TRUE NORTH

GENERAL NOTES

A. ALL CIRCUITING SHOWN AT THE:

* LODGE TO BE CIRCUITED TO PANEL LODGE UNLESS OTHERWISE NOTED.

* LOWER DORM TO BE CIRCUITED TO PANEL LOWER DORM UNLESS OTHERWISE NOTED.

KEYNOTES (#)

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN
RAY KOHM
NUMBER
E-29041
REGISTERED PROFESSIONAL ENGINEER

11/26/2025
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DEPARTMENT OF NATURAL
RESOURCES DIVISION OF STATE
PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Large Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

SHEET TITLE:

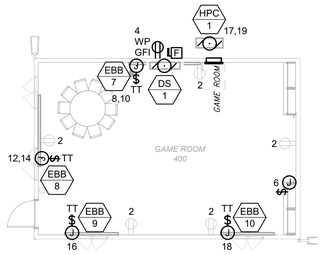
BASEMENT POWER PLAN - LODGE AND LOWER DORM

SHEET NUMBER:

E-106

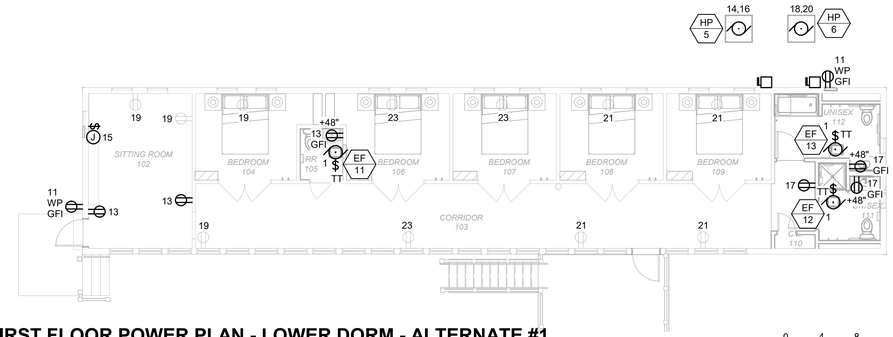
SHEET 201 of 219
ISSUE DATE 11/26/2025

11/26/2025 9:45:04 AM



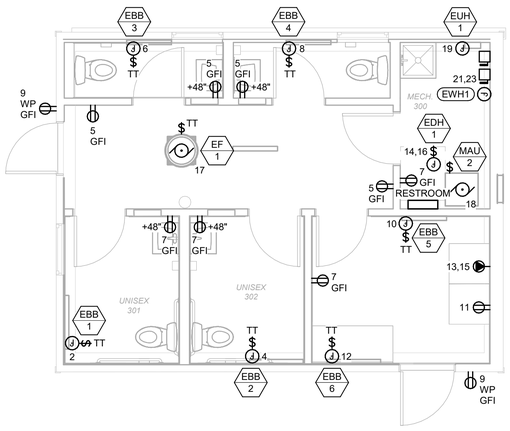
FIRST FLOOR POWER PLAN - GAME ROOM - ALTERNATE #3

2 SCALE: 1/8" = 1'-0"



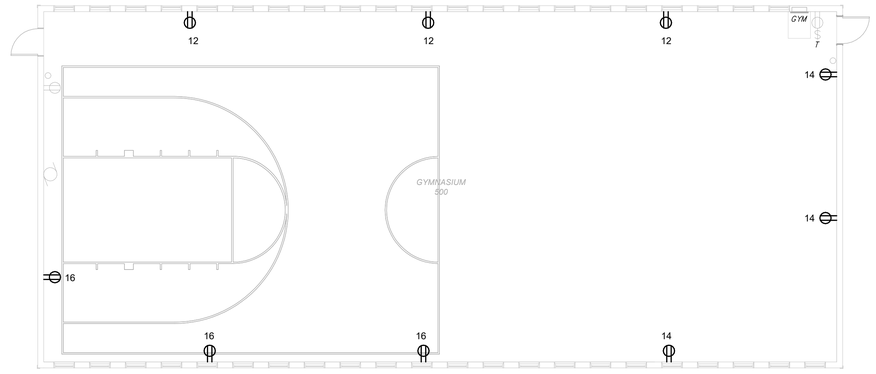
FIRST FLOOR POWER PLAN - LOWER DORM - ALTERNATE #1

1 SCALE: 1/8" = 1'-0"



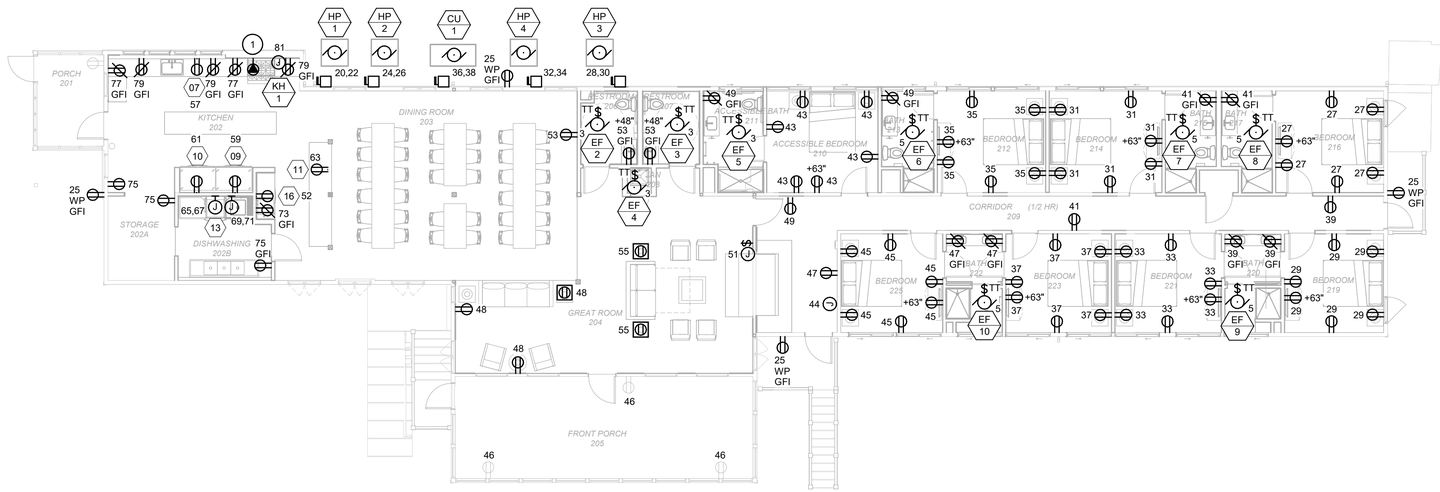
FIRST FLOOR POWER PLAN - RESTROOMS - BASE BID

4 SCALE: 1/4" = 1'-0"



FIRST FLOOR POWER PLAN - GYMNASIUM - BASE BID

3 SCALE: 1/8" = 1'-0"



FIRST FLOOR POWER PLAN - LODGE - BASE BID

5 SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. TAMPER RESISTANT RECEPTACLES ARE TO BE USED IN ALL DWELLING UNITS PER NEC 406.12.

B. AFCI PROTECTION RECEPTACLES ARE TO BE USED IN ALL DWELLING UNITS PER NEC 210.12(B).

C. ALL CIRCUITING SHOWN AT THE:

* LODGE TO BE CIRCUITED TO PANEL LODGE UNLESS OTHERWISE NOTED.

* LOWER DORM TO BE CIRCUITED TO PANEL LOWER DORM UNLESS OTHERWISE NOTED.

* GAME ROOM TO BE CIRCUITED TO PANEL GAME ROOM UNLESS OTHERWISE NOTED.

8 RESTROOMS TO BE CIRCUITED TO PANEL RESTROOM UNLESS OTHERWISE NOTED.

* GYM TO BE CIRCUITED TO PANEL GYM UNLESS OTHERWISE NOTED.

KEYNOTES (#)

1 CONTRACTOR TO MAKE ALL WIRING CONNECTION FOR STOVE. POWER, CONTROL, FIRE ALARM AND EXHAUST FAN TO BE INTERLOCKED. SEE DETAIL FOR MORE INFORMATION.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

SHEET TITLE:

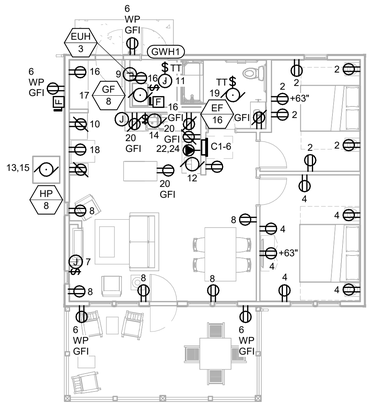
POWER PLAN - LOWER DORM, GYM, LODGE, GAME ROOM AND RESTROOMS

SHEET NUMBER:

E-107

SHEET 202 of 219
ISSUE DATE 11/26/2025

11/26/2025 5:47:07 AM

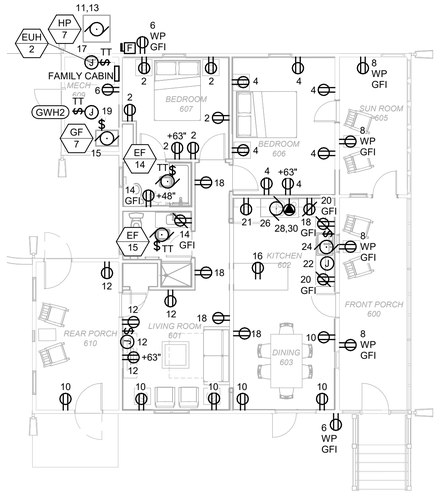


1 **POWER PLAN - TWO BEDROOM CABIN - BASE BID**

SCALE: 1/8" = 1'-0"

0 4 8 16

PLAN NORTH



2 **POWER PLAN - FAMILY CABIN - ALTERNATE #2**

SCALE: 1/8" = 1'-0"

0 4 8 16

PLAN NORTH

GENERAL NOTES

A. TAMPER RESISTANT RECEPTACLES ARE TO BE USED IN ALL DWELLING UNITS PER NEC 406.12.

B. AFCI PROTECTION RECEPTACLES ARE TO BE USED INALL DWELLING UNITS PER NEC 210.12(B).

C. ALL CIRCUITING SHOWN AT THE:

* FAMILY CABIN TO BE CIRCUITED TO PANEL FC UNLESS OTHERWISE NOTED.

* TWO BEDROOM CABINS TO BE CIRCUITED TO THE CORRESPONDING C-1 THRU C-6 UNLESS OTHERWISE NOTED.

KEYNOTES (#)

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
NUMBER
(E-29041)
REGISTERED PROFESSIONAL ENGINEER

11/26/2025
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PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

SHEET TITLE:

POWER PLAN - 2 BEDROOM AND FAMILY CABIN

SHEET NUMBER:

E-108

SHEET 203 of 219
ISSUE DATE 11/26/2025

11/26/2025 9:54:05 AM

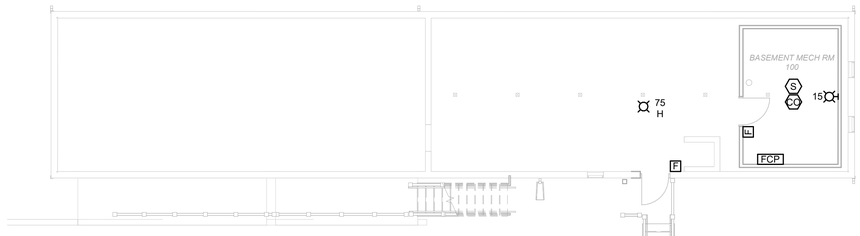
GENERAL NOTES

A. ALL CIRCUITING SHOWN AT THE:

* LODGE TO BE CIRCUITED TO PANEL LODGE UNLESS OTHERWISE NOTED.

* LOWER DORM TO BE CIRCUITED TO PANEL LOWER DORM UNLESS OTHERWISE NOTED.

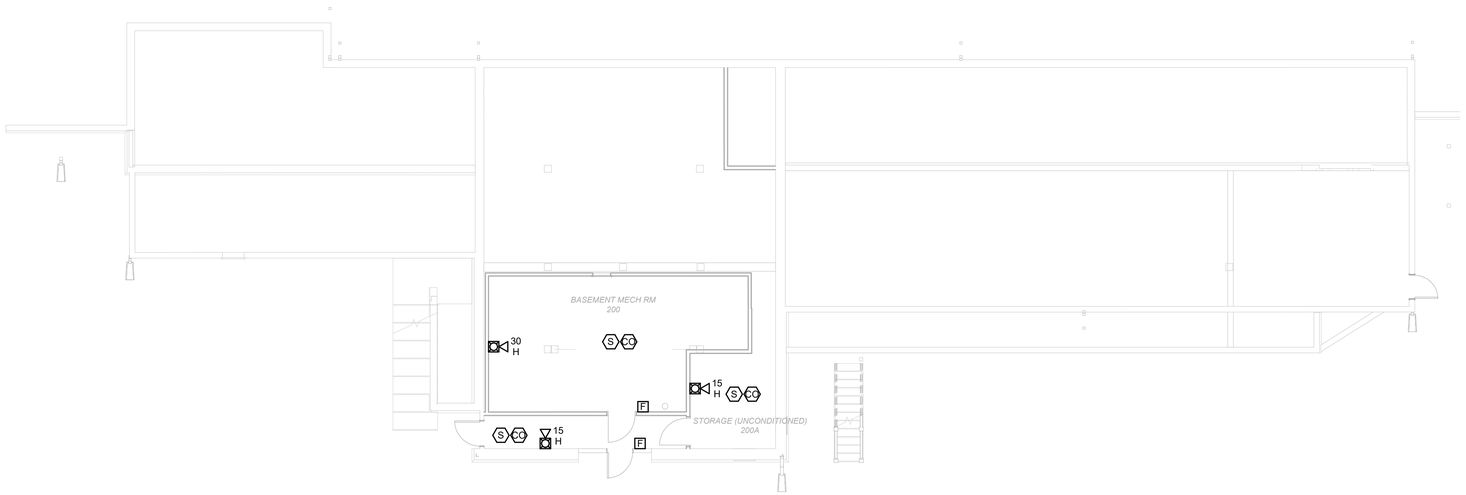
KEYNOTES (#)



1 **BASEMENT SYSTEMS PLAN - LOWER DORM - ALTERNATE #1**

SCALE: 1/8" = 1'-0"

0 4 8 16 PLAN NORTH



2 **BASEMENT SYSTEMS PLAN - LODGE - BASE BID**

SCALE: 1/8" = 1'-0"

0 4 8 16 PLAN NORTH

11/26/2025 9:54:09 AM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN
RAY KOHM
NUMBER
E-29041
REGISTERED PROFESSIONAL ENGINEER

11/26/2025
EXP. 12/31/2026

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DEPARTMENT OF NATURAL
RESOURCES DIVISION OF STATE
PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

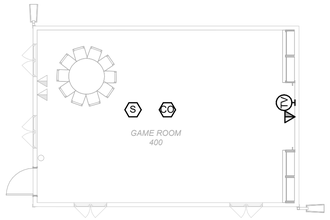
SHEET TITLE:

BASEMENT SYSTEMS PLAN - LODGE AND LOWER DORM

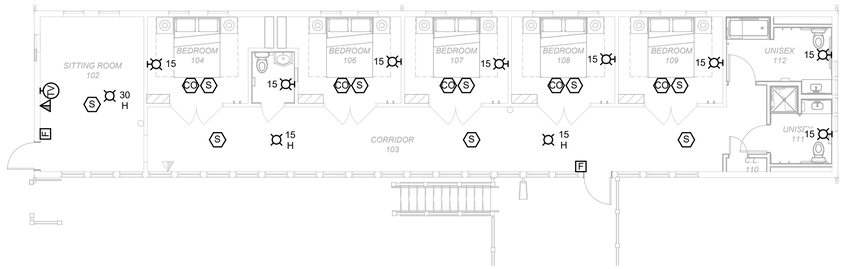
SHEET NUMBER:

E-109

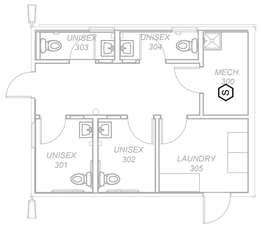
SHEET 204 of 219
ISSUE DATE 11/26/2025



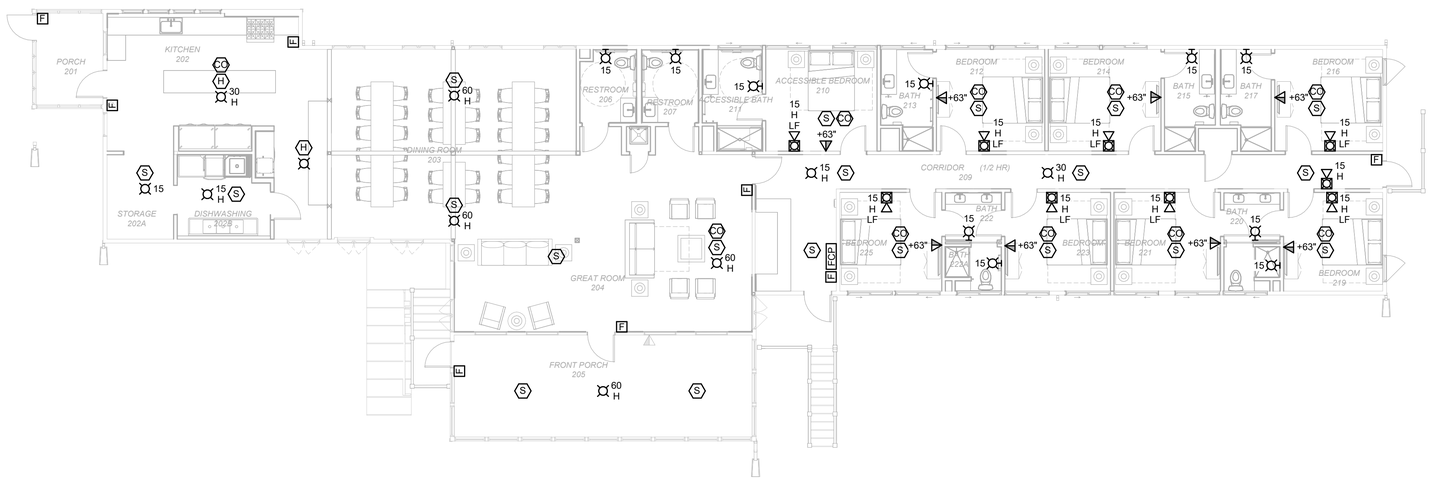
2 **SYSTEMS PLAN - GAME ROOM - ALTERNATE #1**
SCALE: 1/8" = 1'-0"



1 **FIRST FLOOR SYSTEMS PLAN - LOWER DORM - ALTERNATE #1**
SCALE: 1/8" = 1'-0"



3 **SYSTEMS PLAN - RESTROOM - ALTERNATE #1**
SCALE: 1/8" = 1'-0"



4 **FIRST FLOOR SYSTEMS PLAN - LODGE - BASE BID**
SCALE: 1/8" = 1'-0"

11/26/2025 9:54:11 AM

GENERAL NOTES

KEYNOTES (#)

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
NUMBER
(E-29041)
REGISTERED PROFESSIONAL ENGINEER

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ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

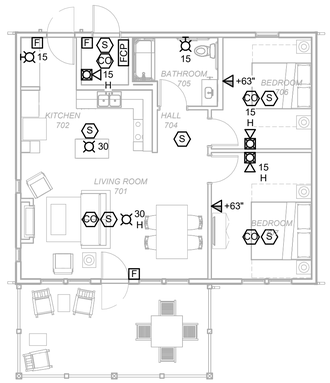
SHEET TITLE:

SYSTEMS PLAN - LOWER DORM, GYM, LODGE, GAME ROOM AND RESTROOMS

SHEET NUMBER:

E-110

SHEET 205 of 219
ISSUE DATE 11/26/2025

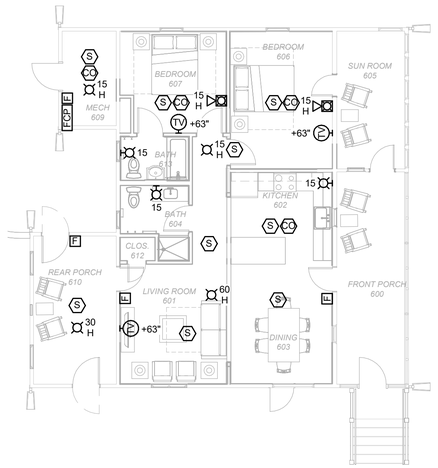


1 **SYSTEMS PLAN - TWO BEDROOM CABIN - BASE BID**

SCALE: 1/8" = 1'-0"

0 4 8 16

PLAN NORTH



2 **SYSTEMS PLAN - FAMILY CABIN - ALTERNATE #2**

SCALE: 1/8" = 1'-0"

0 4 8 16

PLAN NORTH

GENERAL NOTES

KEYNOTES (#)

STATE OF MISSOURI
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Salem, Missouri

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SITE #.: 5232

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Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

SHEET TITLE:

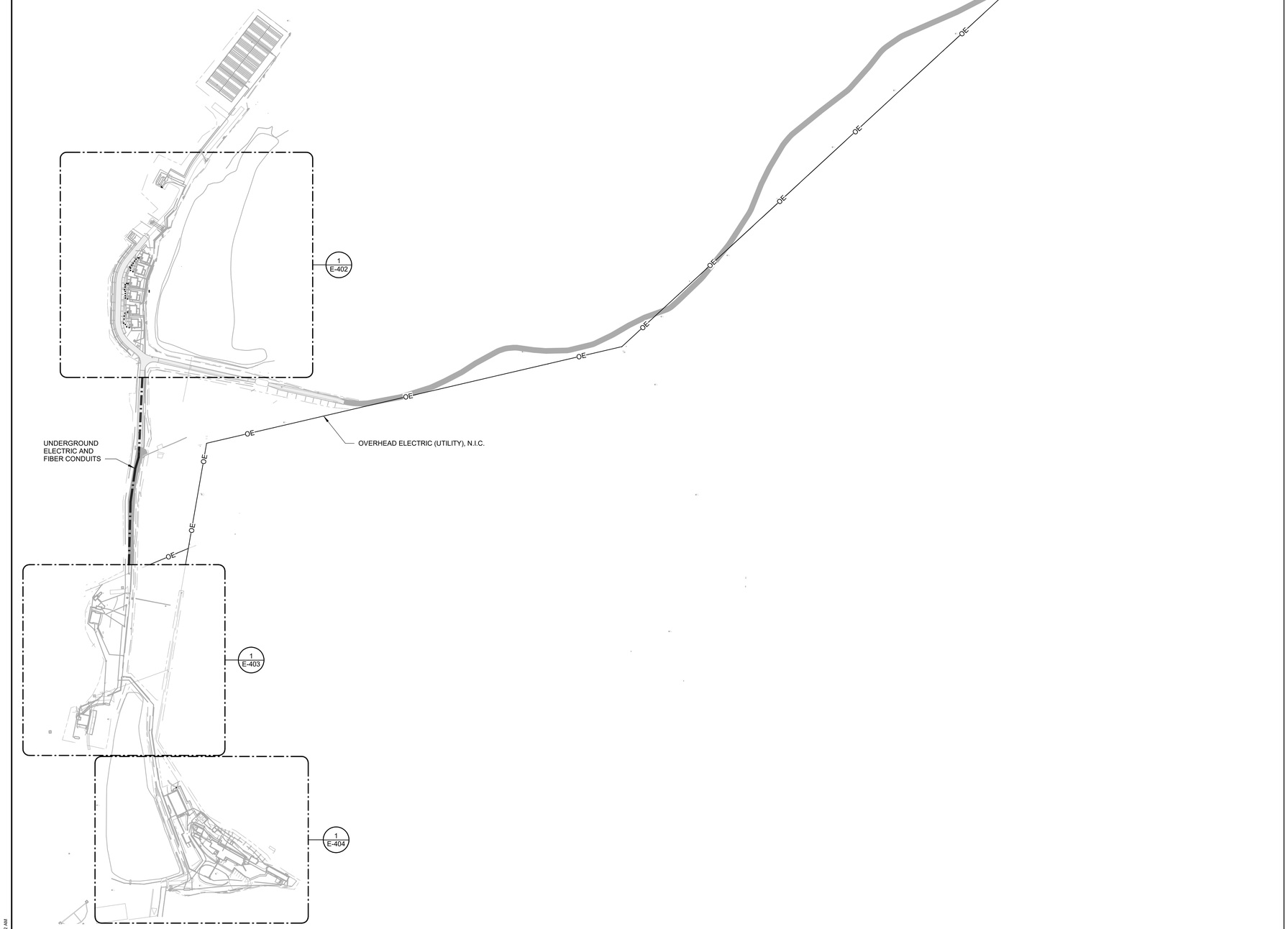
SYSTEMS PLAN - 2 BEDROOM AND FAMILY CABIN

SHEET NUMBER:

E-111

SHEET 206 of 219
ISSUE DATE 11/26/2025

11/26/2025 9:54:11 AM



1 **ELECTRICAL SITE PLAN**

SCALE: 1" = 200'-0"

0 100 200 400

TRUE NORTH PLAN NORTH

11/26/2025 7:54:12 AM

GENERAL NOTES

A. UTILITY COMPANY: HOWELL OREGON COORPERATIVE 417-256-2131
TELEPHONE COMPANY: CENTURYLINK 417-255-8221

B. PROVIDE 12"x18" PULL BOXES FLUSH WITH MARKED COVER EVERY 300' ALONG TELEPHONE FIBER CONDUIT. PROVIDE A PEDESTAL EVERY 900' ALONG TELEPHONE FIBER. THE PEDESTAL SHALL BE USED AS A PULL BOX. PROVIDE ADDITIONAL PEDESTALS AS NECESSARY TO ACCOMMODATE CABLE LENGTHS. SPLICING OF FIBER OPTIC CABLES WILL NOT BE ACCEPTABLE.

C. ALL PEDESTAL & DEMARCATION LOCATIONS MUST ACCOMMODATE FIBER TERMINATIONS TO BE MOUNTED, LOCKED AND MAINTAINED BY STATE OF MISSOURI (SOM) STAFF.

D. COORDINATE ALL CONDUIT ROUTINGS WITH CIVIL TRADE.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Dwrs' Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232012	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
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DESIGNED BY: TLA

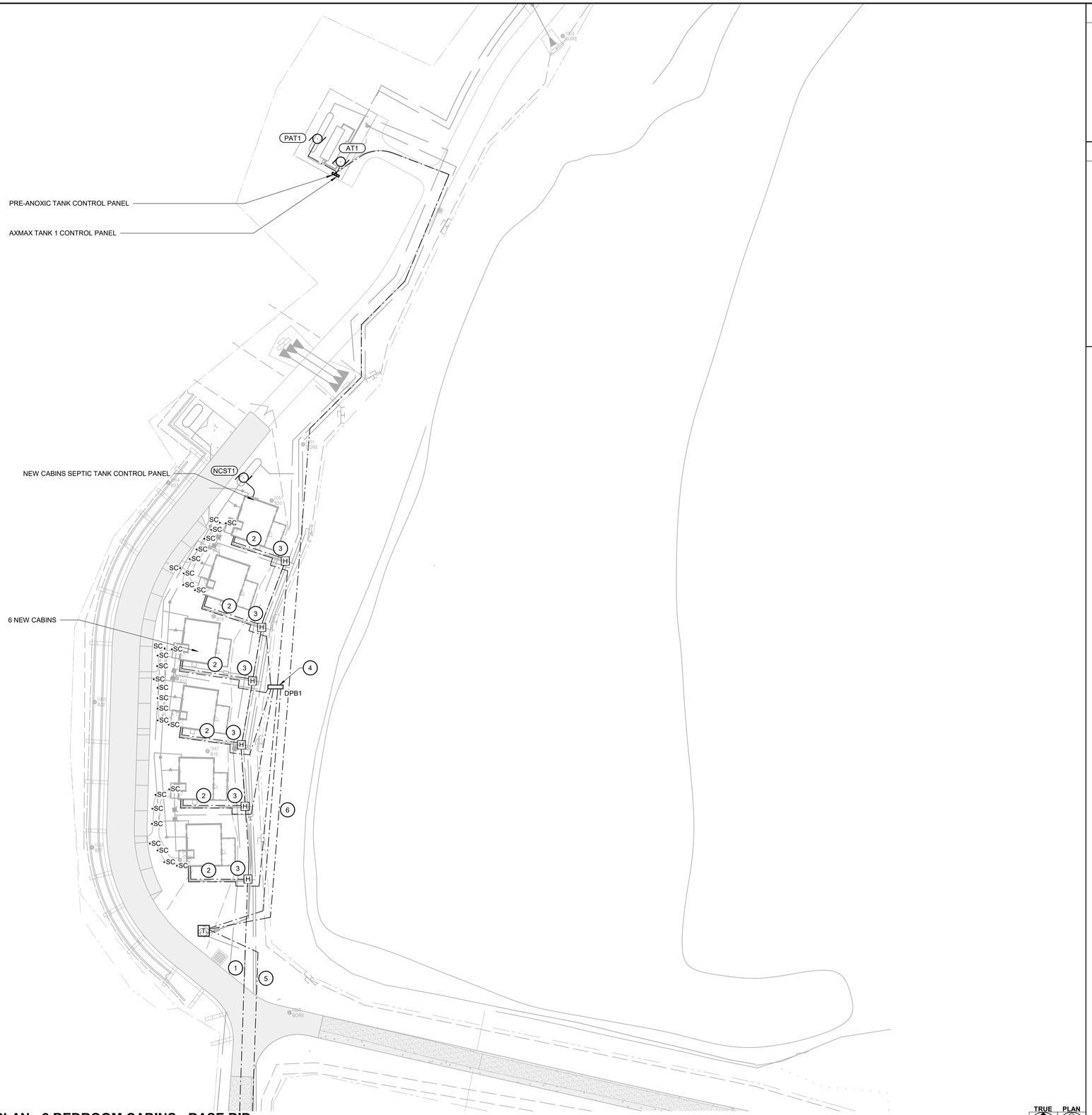
SHEET TITLE:

ELECTRICAL SITE PLAN - OVERALL

SHEET NUMBER:

E-401

SHEET 207 of 219
ISSUE DATE 11/26/2025



1 **ELECTRICAL SITE PLAN - 2 BEDROOM CABINS - BASE BID**
SCALE: 1" = 40'-0"

0 20 40 80

TRUE NORTH PLAN NORTH

11/26/2025 9:54:13 AM

GENERAL NOTES

A. UTILITY COMPANY: HOWELL OREGON COORPERATIVE 417-256-2131
TELEPHONE COMPANY: CENTURYLINK 417-255-8221

B. PROVIDE 12"x18" PULL BOXES FLUSH WITH MARKED COVER EVERY 300' ALONG TELEPHONE FIBER CONDUIT. PROVIDE A PEDESTAL EVERY 900' ALONG TELEPHONE FIBER. THE PEDESTAL SHALL BE USED AS A PULL BOX. PROVIDE ADDITIONAL PEDESTALS AS NECESSARY TO ACCOMMODATE CABLE LENGTHS. SPLICING OF FIBER OPTIC CABLES WILL NOT BE ACCEPTABLE.

C. ALL PEDESTAL & DEMARCATION LOCATIONS MUST ACCOMMODATE FIBER TERMINATIONS TO BE MOUNTED, LOCKED AND MAINTAINED BY STATE OF MISSOURI (SOM) STAFF.

D. COORDINATE ALL CONDUIT ROUTINGS WITH CIVIL TRADE.

KEYNOTES (#)

1 PROVIDE (6) 2-STRAND MULTI-MODE FIBER OPTIC CABLES, RATED FOR OUTDOOR WET LOCATIONS IN 4" C FROM EXISTING MAIN FIBER CONNECTION IN LODGE. FIBER OPTIC CABLE TO TERMINATE ON FIBER DEMARC IN MECHANICAL ROOM FOR EACH CABIN.

2 PROVIDE (1) 2-STRAND MULTI-MODE FIBER OPTIC CABLES IN 1"C FROM HANDHOLE TO FIBER DEMARC IN CABIN.

3 PROVIDE 18"x18" HANDHOLE FOR DISTRIBUTION OF FIBER OPTIC CABLES TO EACH CABIN.

4 PROVIDE CONDUIT AND FEEDERS FROM DISTRIBUTION PANEL TO EACH CABIN AS NOTED ON ONE-LINE.

5 PROVIDE TRENCH FROM NEW UTILITY POLE AT MAINTENANCE BARN TO NEW UTILITY TRANSFORMER LOCATION. PRIMARY CONDUIT, CONDUCTORS, TRANSFORMER AND DUAL METERS BY UTILITY. COORDINATE EXACT LOCATION WITH CIVIL.

6 PROVIDE CONDUIT AND CONDUCTORS FROM UTILITY METER TO LIFT STATION PANEL(S). COORDINATE WITH WASTEWATER VENDOR AND CIVIL TRADE.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
NUMBER E-29041
REGISTERED PROFESSIONAL ENGINEER

11/26/2025
EXP. 12/31/2026

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

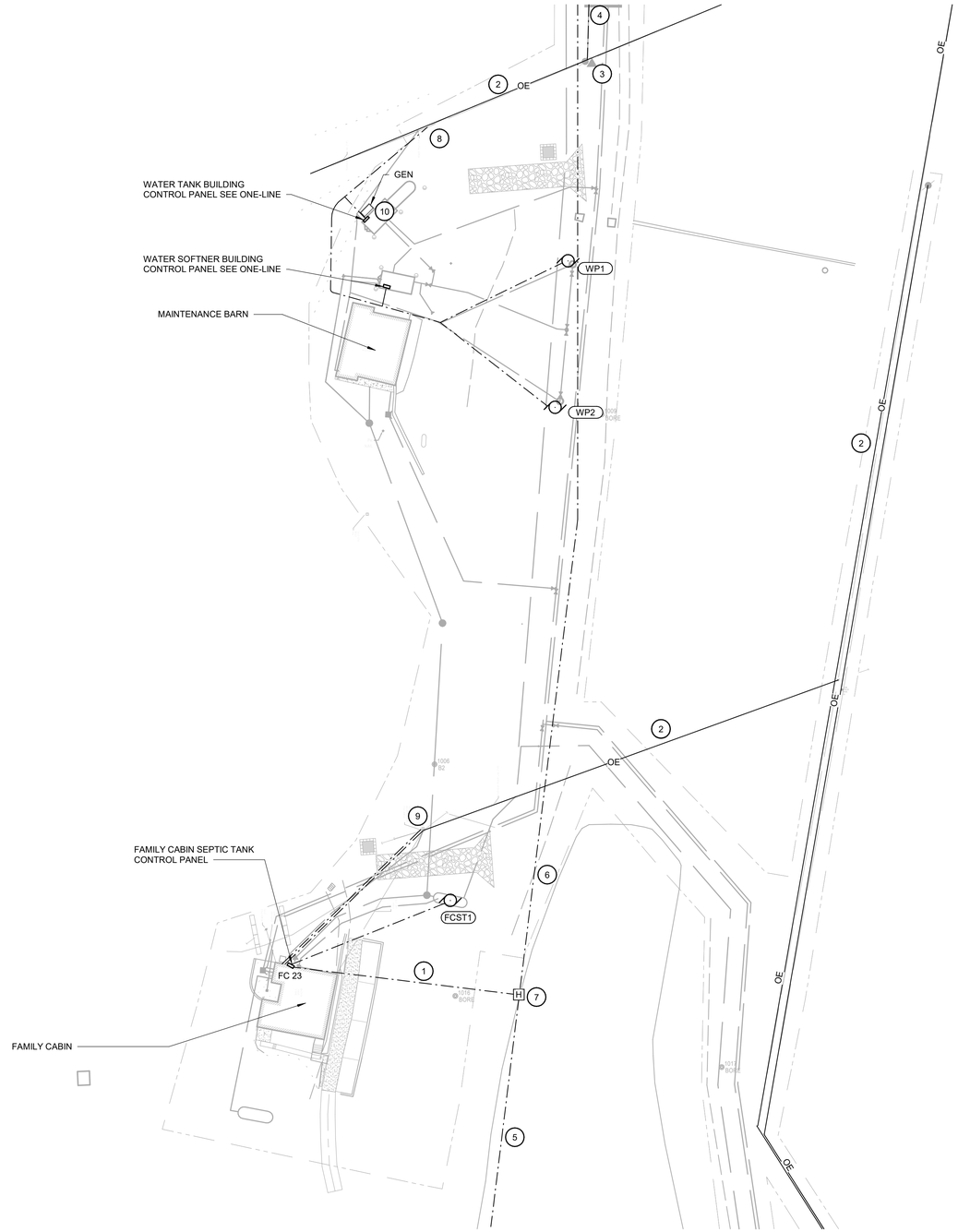
SHEET TITLE:

ELECTRICAL SITE PLAN - 2 BEDROOM CABINS

SHEET NUMBER:

E-402

SHEET 208 of 219
ISSUE DATE 11/26/2025



GENERAL NOTES

A. UTILITY COMPANY: HOWELL OREGON COORPERATIVE 417-256-2131
TELEPHONE COMPANY: CENTURYLINK 417-255-8221

B. PROVIDE 12"x18" PULL BOXES FLUSH WITH MARKED COVER EVERY 300' ALONG TELEPHONE FIBER CONDUIT. PROVIDE A PEDESTAL EVERY 900' ALONG TELEPHONE FIBER. THE PEDESTAL SHALL BE USED AS A PULL BOX. PROVIDE ADDITIONAL PEDESTALS AS NECESSARY TO ACCOMMODATE CABLE LENGTHS. SPLICING OF FIBER OPTIC CABLES WILL NOT BE ACCEPTABLE.

C. ALL PEDESTAL & DEMARCATION LOCATIONS MUST ACCOMMODATE FIBER TERMINATIONS TO BE MOUNTED, LOCKED AND MAINTAINED BY STATE OF MISSOURI (SOM) STAFF.

D. COORDINATE ALL CONDUIT ROUTINGS WITH CIVIL TRADE.

KEYNOTES (#)

1 PROVIDE (1) 2-STRAND MULTI-MODE FIBER OPTIC CABLE, RATED FOR OUTDOOR WET LOCATIONS IN 1" C FROM EXISTING MAIN FIBER CONNECTION IN LODGE. FIBER OPTIC CABLE TO TERMINATE ON FIBER DEMARC IN MECHANICAL ROOM FOR FAMILY CABIN.

2 PRIMARY OVERHEAD ELECTRICAL CONDUCTORS BY UTILITY.

3 NEW UTILITY COMPANY POWER POLE. COORDINATE EXACT LOCATION OF POLE WITH UTILITY COMPANY INSTALLATION PROJECT.

4 PROVIDE TRENCH FROM NEW UTILITY POLE TO NEW UTILITY TRANSFORMER LOCATION AT NEW CABINS. PRIMARY CONDUIT AND CONDUCTORS BY UTILITY. COORDINATE EXACT LOCATION WITH CIVIL.

5 PROVIDE (7) 2-STRAND MULTI-MODE FIBER OPTIC CABLES RATED FOR OUTDOOR WET LOCATIONS IN 4"C FROM EXISTING MAIN FIBER CONNECTION IN LODGE. (6-BASE BID, 1-ALTERNATE #1)

6 PROVIDE (6) 2-STRAND MULTI-MODE FIBER OPTIC CABLES RATED FOR OUTDOOR WET LOCATIONS IN 4"C FROM EXISTING MAIN FIBER CONNECTION IN LODGE. (BASE BID)

7 PROVIDE 18"x18" HANDHOLE FOR DISTRIBUTION OF FIBER OPTIC CABLES.

8 EXISTING UTILITY POLE AND TRANSFORMER WITH EXISTING BREAKER BOX AND UTILITY METER. ADD NEW CIRCUIT BREAKERS TO BREAKER BOX AS SHOWN ON ONE-LINE.

9 EXISTING UTILITY POLE AND TRANSFORMER. PROVIDE CONDUIT AND WIRING FROM POLE TO FAMILY CABIN AS SHOWN ON ONE-LINE.

10 PROVIDE 120/240V SINGLE PLASE 15KW DIESEL GENERATOR. COORDINATE LOCATION WITH WATER TANK, CIVIL, AND OWNER.

1 **ELECTRICAL SITE PLAN - FAMILY CABIN AND MAINTENANCE BARN - BASE BID**
SCALE: 1" = 40'-0"

0 20 40 80

TRUE NORTH PLAN NORTH

11/26/2025 9:54:13 AM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
NUMBER E-29041
REGISTERED PROFESSIONAL ENGINEER

11/26/2025
EXP. 12/31/2026

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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

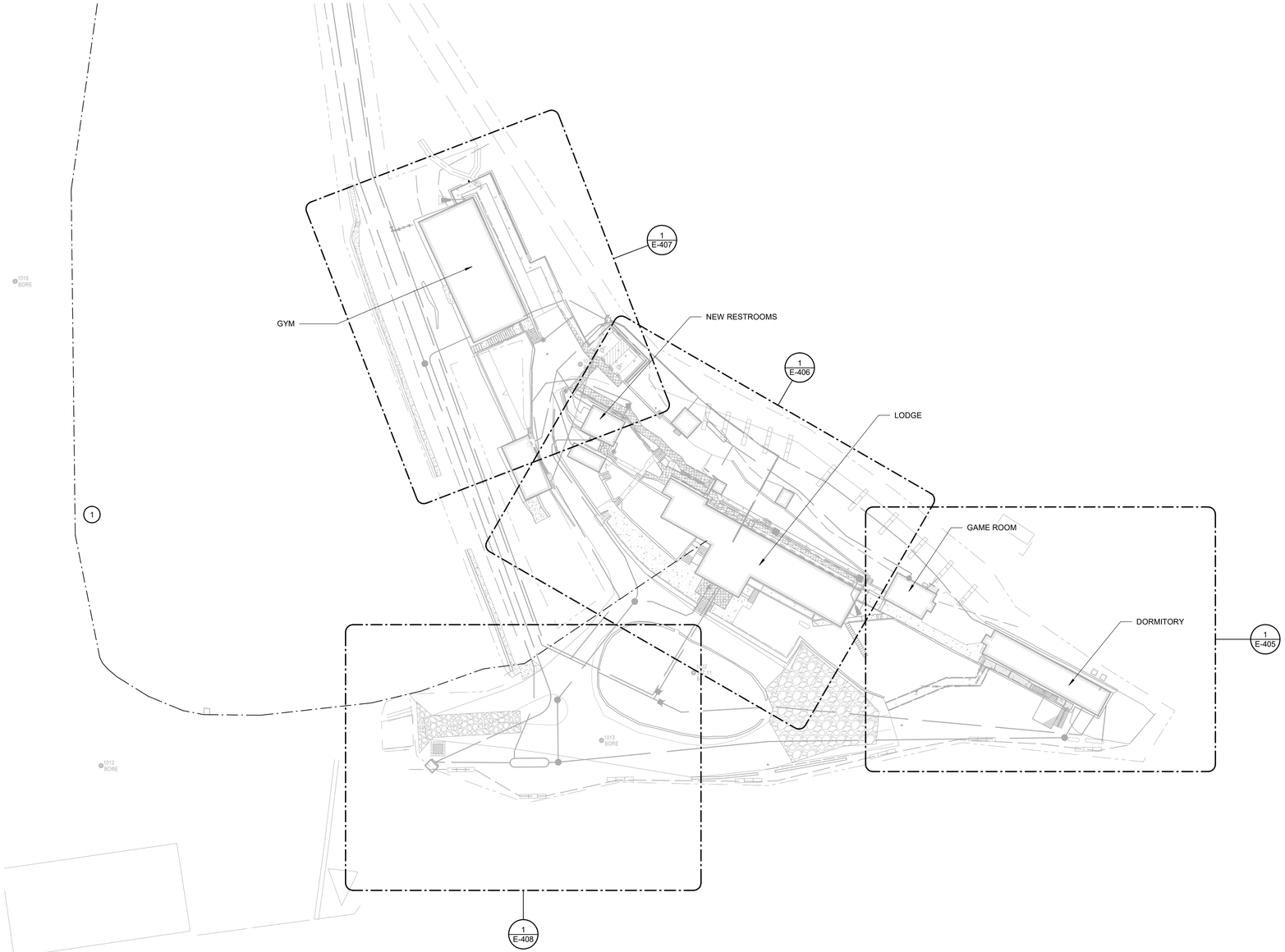
SHEET TITLE:

ELECTRICAL SITE PLAN - FAMILY CABIN AND MAINTENANCE BARN

SHEET NUMBER:

E-403

SHEET 209 of 219
ISSUE DATE 11/26/2025



GENERAL NOTES

A. UTILITY COMPANY: HOWELL OREGON COORPERATIVE 417-256-2131
TELEPHONE COMPANY: CENTURYLINK 417-255-8221

B. PROVIDE PULL BOXES FLUSH WITH EVERY 300' ALONG TELEPHONE FIBER CONDUIT. PROVIDE A PEDESTAL EVERY 900' ALONG TELEPHONE FIBER. THE PEDESTAL SHALL BE USED AS A PULL BOX. PROVIDE ADDITIONAL PEDESTALS AS NECESSARY TO ACCOMMODATE CABLE LENGTHS. SPLICING OF FIBER OPTIC CABLES WILL NOT BE ACCEPTABLE.

C. ALL PEDESTAL & DEMARCATION LOCATIONS MUST ACCOMMODATE FIBER TERMINATIONS TO BE MOUNTED, LOCKED AND MAINTAINED BY STATE OF MISSOURI (SOM) STAFF.

D. COORDINATE ALL CONDUIT ROUTINGS WITH CIVIL TRADE.

KEYNOTES (#)

1 PROVIDE (7) 2-STRAND MULTI-MODE FIBER OPTIC CABLES RATED FOR OUTDOOR WET LOCATIONS IN 4"C FROM EXISTING MAIN FIBER CONNECTION IN LODGE.

1 **ELECTRICAL SITE PLAN - LODGE AREA OVERALL**
SCALE: 1" = 40'-0"

0 20 40 80

TRUE NORTH PLAN NORTH

11/26/2025 5:41:14 AM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
NUMBER (E-29041)
REGISTERED PROFESSIONAL ENGINEER

11/26/2025
EXP. 12/31/2026

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☒
Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☒
Gymnasium	7815232011	☒	(2B)Cabin E	7815232006	☒
Game Room	7815232012	☒	(2B)Cabin F	7815232007	☒
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☒
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

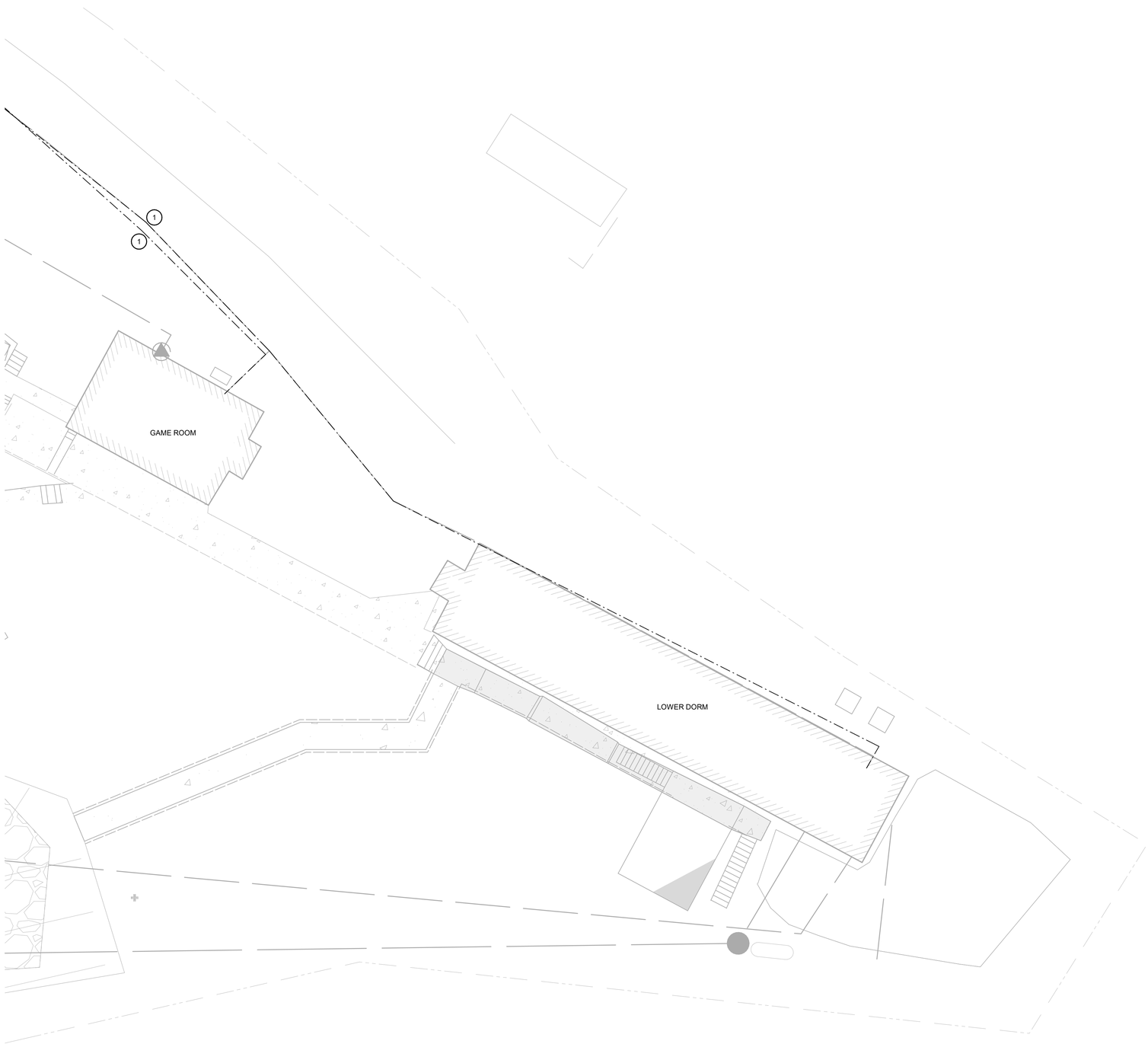
SHEET TITLE:

ELECTRICAL SITE PLAN - LODGE AREA OVERALL

SHEET NUMBER:

E-404

SHEET 210 of 219
ISSUE DATE 11/26/2025



GENERAL NOTES

A. UTILITY COMPANY: HOWELL OREGON COORPERATIVE 417-256-2131
TELEPHONE COMPANY: CENTURYLINK 417-255-8221

B. PROVIDE PULL BOXES FLUSH WITH EVERY 300' ALONG TELEPHONE FIBER CONDUIT. PROVIDE A PEDESTAL EVERY 900' ALONG TELEPHONE FIBER. THE PEDESTAL SHALL BE USED AS A PULL BOX. PROVIDE ADDITIONAL PEDESTALS AS NECESSARY TO ACCOMMODATE CABLE LENGTHS. SPLICING OF FIBER OPTIC CABLES WILL NOT BE ACCEPTABLE.

C. ALL PEDESTAL & DEMARCATION LOCATIONS MUST ACCOMMODATE FIBER TERMINATIONS TO BE MOUNTED, LOCKED AND MAINTAINED BY STATE OF MISSOURI (SOM) STAFF.

KEYNOTES (#)

1 PROVIDE UNDERGROUND CONDUIT AND WIRING FROM NEW DISTRIBUTION PANEL TO EACH OF THE LODGE AND LOWER DORM PANELS AS SHOWN ONE ONE-LINE.

1 **ELECTRICAL SITE PLAN - LOWER DORM AND GAME ROOM**
SCALE: 1" = 10'-0"

0 5 10 20

TRUE NORTH PLAN NORTH

11/26/2025 9:54:11 AM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
NUMBER
E-29041
REGISTERED PROFESSIONAL ENGINEER

11/26/2025
EXP. 12/31/2026

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

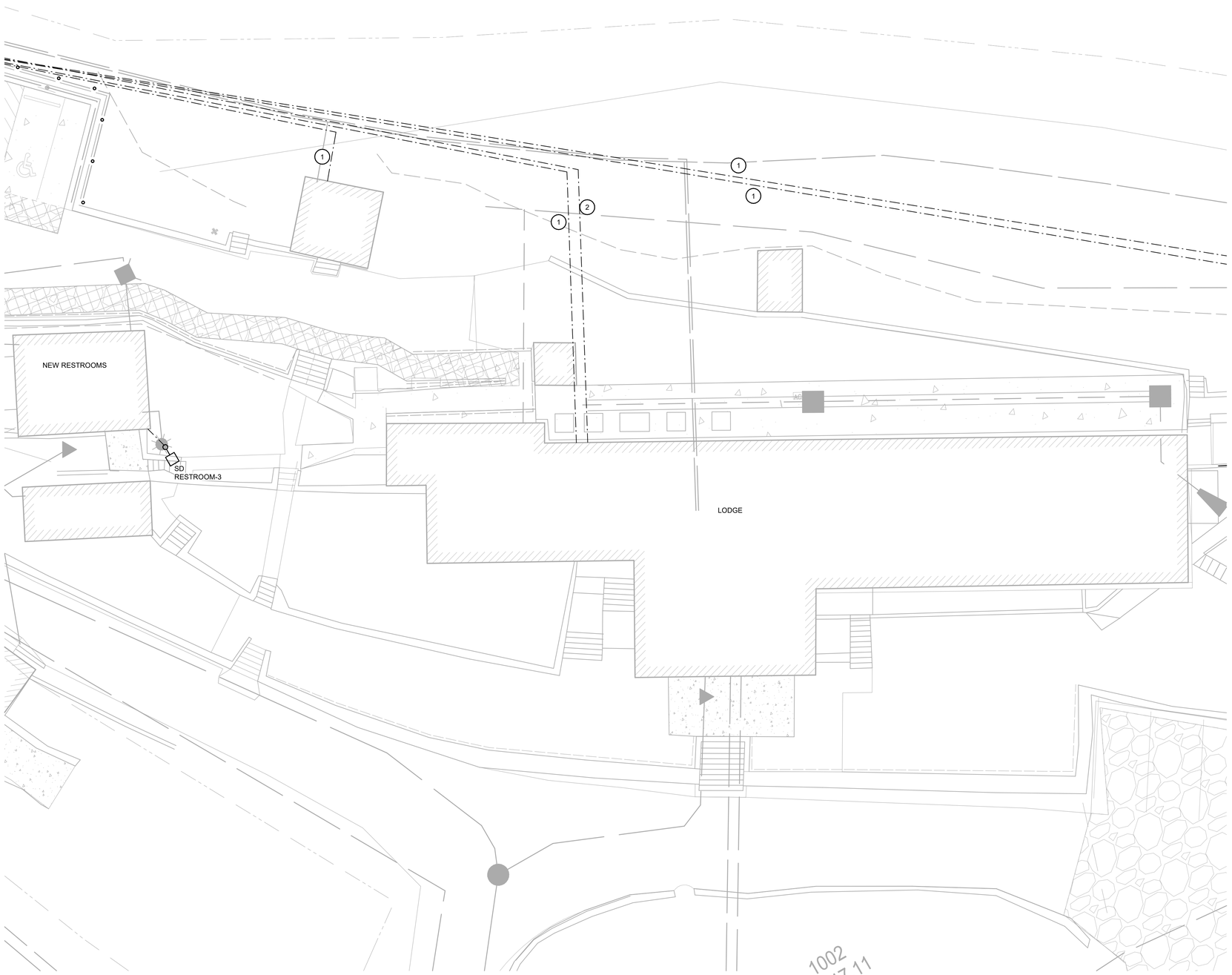
SHEET TITLE:

ELECTRICAL SITE PLAN -LOWER DORM AND GAME ROOM

SHEET NUMBER:

E-405

SHEET 211 of 219
ISSUE DATE 11/26/2025



GENERAL NOTES

A. UTILITY COMPANY: HOWELL OREGON COORPERATIVE 417-256-2131
TELEPHONE COMPANY: CENTURYLINK 417-255-8221

B. PROVIDE PULL BOXES FLUSH WITH EVERY 300' ALONG TELEPHONE FIBER CONDUIT. PROVIDE A PEDESTAL EVERY 900' ALONG TELEPHONE FIBER. THE PEDESTAL SHALL BE USED AS A PULL BOX. PROVIDE ADDITIONAL PEDESTALS AS NECESSARY TO ACCOMMODATE CABLE LENGTHS. SPLICING OF FIBER OPTIC CABLES WILL NOT BE ACCEPTABLE.

C. ALL PEDESTAL & DEMARCATION LOCATIONS MUST ACCOMMODATE FIBER TERMINATIONS TO BE MOUNTED. LOCKED AND MAINTAINED BY STATE OF MISSOURI (SOM) STAFF.

D. COORDINATE ALL CONDUIT ROUTINGS WITH CIVIL TRADE.

KEYNOTES (#)

1 PROVIDE UNDERGROUND CONDUIT AND WIRING FROM NEW DISTRIBUTION PANEL TO EACH OF THE LODGE, RESTROOM, GAME ROOM, AND DORMITORY PANELS AS SHOWN ON ONE-LINE.

2 PROVIDE UNDERGROUND CONDUIT WITH PULL STRINGS FROM EXISTING UTILITY POLE TO LODGE FOR FIBER. COORDINATE WITH FIBER VENDOR.

1 **ELECTRICAL SITE PLAN LODGE AND NEW RESTROOMS - BASE BID**
SCALE: 1" = 10'-0"

0 20 40 80

TRUE NORTH PLAN NORTH

11/26/2025 9:54:14 AM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
NUMBER E-29041
REGISTERED PROFESSIONAL ENGINEER

11/26/2025
EXP. 12/31/2026

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	☒	(2B)Cabin C	7815232004	☒
Lower Dorm	7815232010	☒	(2B)Cabin D	7815232005	☒
Gymnasium	7815232011	☒	(2B)Cabin E	7815232006	☒
Game Room	7815232012	☒	(2B)Cabin F	7815232007	☒
Family Cabin	7815232013	☒	(2B)Cabin G	7815232008	☒
RR Building	7815232014	☒	(2B)Cabin H	7815232009	☒

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

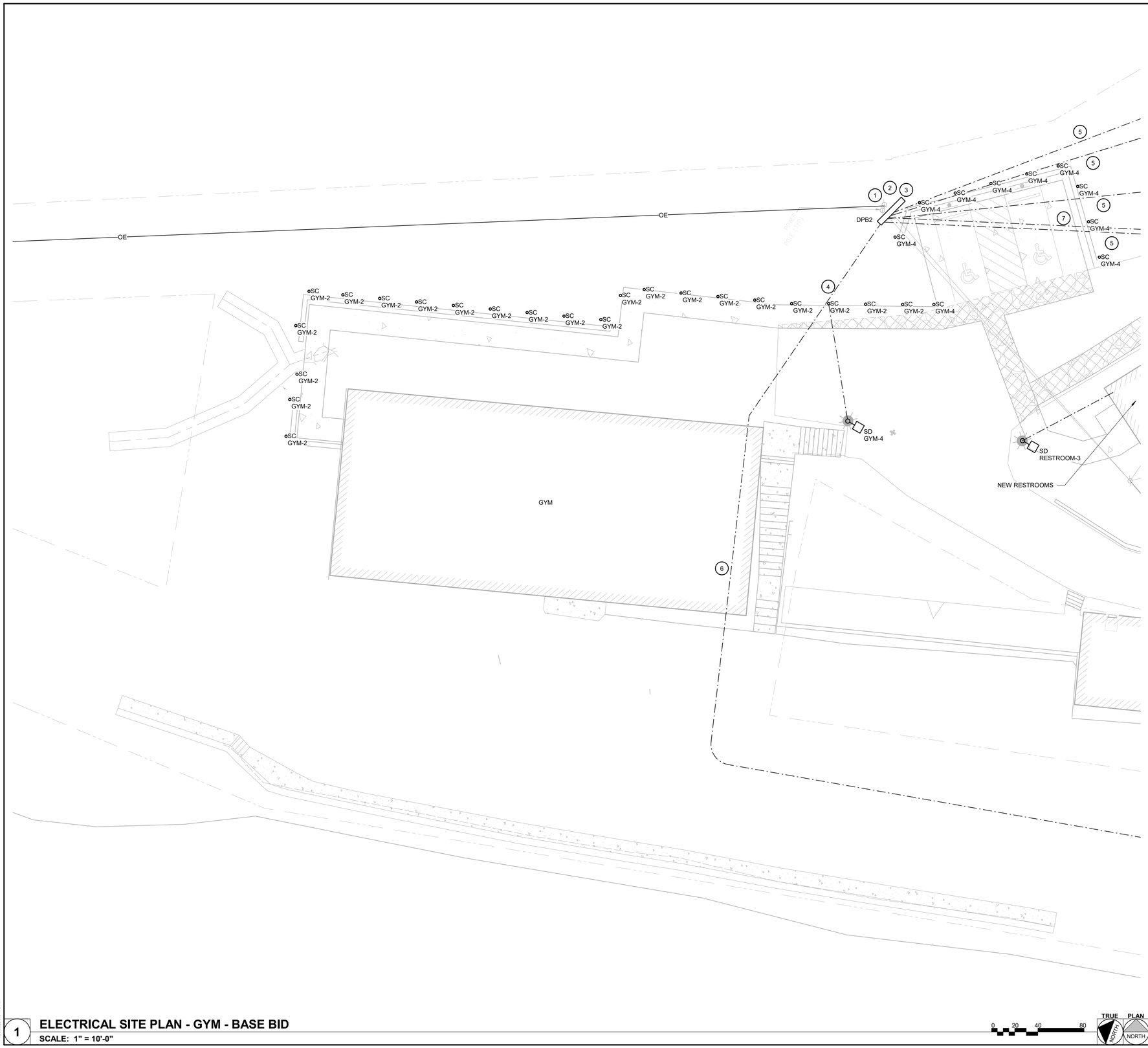
SHEET TITLE:

ELECTRICAL SITE PLAN - LODGE AND NEW RESTROOMS - BASE BID

SHEET NUMBER:

E-406

SHEET 212 of 219
ISSUE DATE 11/26/2025



GENERAL NOTES

A. UTILITY COMPANY: HOWELL OREGON COORPERATIVE 417-256-2131
TELEPHONE COMPANY: CENTURYLINK 417-255-8221

B. PROVIDE PULL BOXES FLUSH WITH EVERY 300' ALONG TELEPHONE FIBER CONDUIT. PROVIDE A PEDESTAL EVERY 900' ALONG TELEPHONE FIBER. THE PEDESTAL SHALL BE USED AS A PULL BOX. PROVIDE ADDITIONAL PEDESTALS AS NECESSARY TO ACCOMMODATE CABLE LENGTHS. SPLICING OF FIBER OPTIC CABLES WILL NOT BE ACCEPTABLE.

C. ALL PEDESTAL & DEMARCATION LOCATIONS MUST ACCOMMODATE FIBER TERMINATIONS TO BE MOUNTED, LOCKED AND MAINTAINED BY STATE OF MISSOURI (SOM) STAFF.

D. COORDINATE ALL CONDUIT ROUTINGS WITH CIVIL TRADE.

KEYNOTES (#)

1 EXISTING UTILITY POLE.

2 DISCONNECT EXISTING OVERHEAD CONNECTIONS FROM UTILITY TRANSFORMER TO LODGE, LOWER DORM, GAME ROOM, STORAGE/RESTROOM BUILDING, AND BARBECUE SHED. REMOVE OVERHEAD LINES AND POLES ON SITE DOWNSTREAM OF UTILITY POLE.

3 PROVIDE NEW DISTRIBUTION PANEL, DPB2, AS SHOWN ON ONE-LINE AND PANEL SCHEDULES. COORDINATE EXACT LOCATION WITH CIVIL.

4 EXISTING CONDUIT FROM UTILITY POLE TO GYM PANEL. PROVIDE CONNECTION OF EXISTING CONDUIT TO NEW DISTRIBUTION PANEL FOR PULLING OF NEW CONDUCTORS FROM DPB2 TO GYM PANEL AS SHOWN ON ONE-LINE.

5 PROVIDE UNDERGROUND CONDUIT AND WIRING FROM NEW DISTRIBUTION PANEL TO EACH OF THE LODGE, RESTROOM, GAME ROOM, AND DORMITORY PANELS AS SHOWN ONE ONE-LINE.

6 PROVIDE PROVIDE 2#10, 1#10G IN 1" CONDUIT FOR LIFT STATION FROM GYM PANEL THROUGH GYM BASEMENT, UNDERGROUND, TO Sseptic TANK CONTROL STATION.

7 PROVIDE 4" UNDERGROUND CONDUIT WITH PULL STRINGS FROM EXISTING UTILITY POLE TO LODGE FOR FIBER. COORDINATE WITH FIBER VENDOR.

1 **ELECTRICAL SITE PLAN - GYM - BASE BID**
SCALE: 1" = 10'-0"

0 20 40 80

TRUE NORTH PLAN NORTH

11/26/2025 8:54:15 AM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
NUMBER E-29041
REGISTERED PROFESSIONAL ENGINEER

11/26/2025
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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

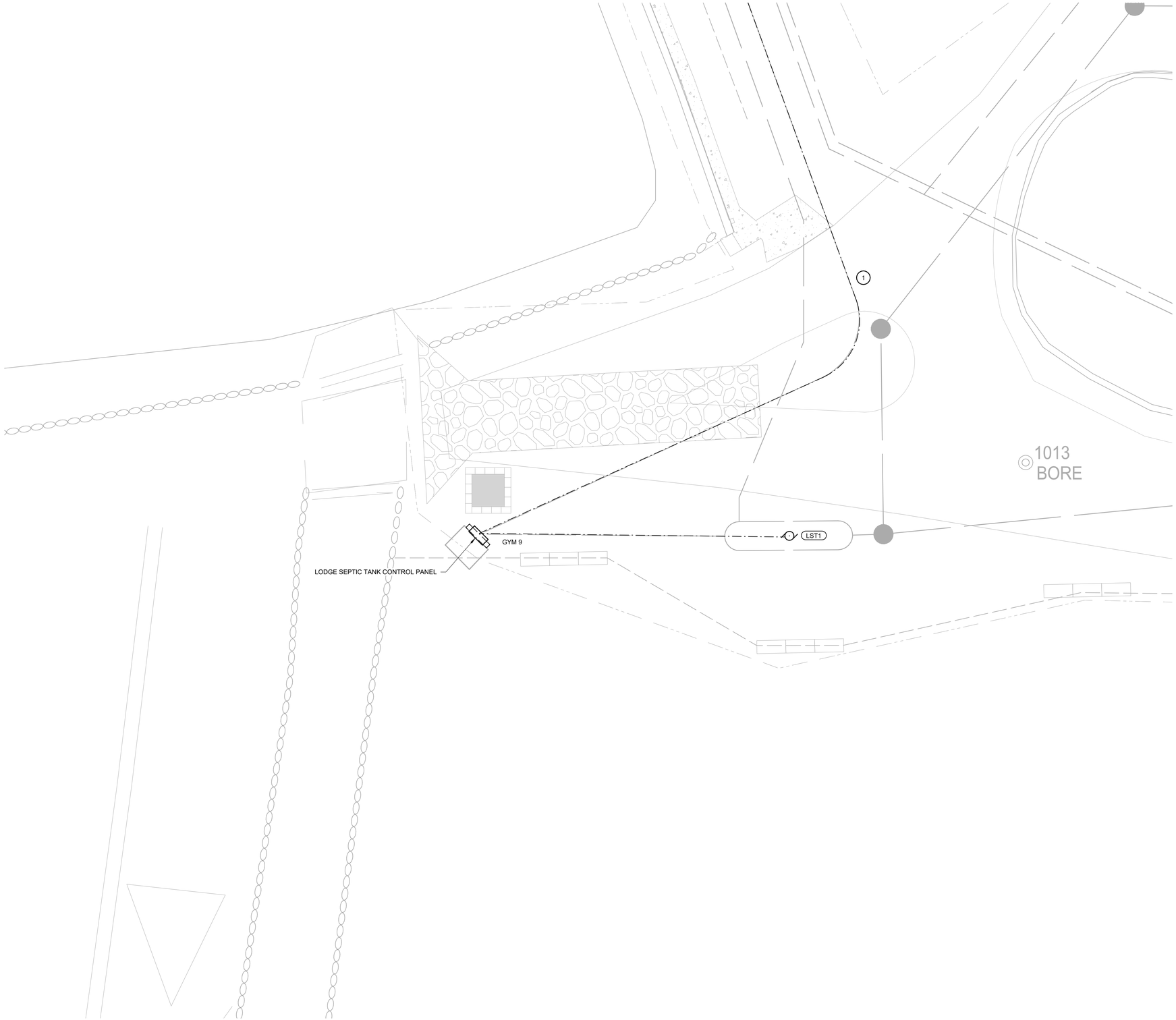
SHEET TITLE:

ELECTRICAL SITE PLAN - GYM - BASE BID

SHEET NUMBER:

E-407

SHEET 213 of 219
ISSUE DATE 11/26/2025



GENERAL NOTES

A. UTILITY COMPANY: HOWELL OREGON COORPERATIVE 417-256-2131
TELEPHONE COMPANY: CENTURYLINK 417-255-8221

B. PROVIDE PULL BOXES FLUSH WITH EVERY 300' ALONG TELEPHONE FIBER CONDUIT. PROVIDE A PEDESTAL EVERY 900' ALONG TELEPHONE FIBER. THE PEDESTAL SHALL BE USED AS A PULL BOX. PROVIDE ADDITIONAL PEDESTALS AS NECESSARY TO ACCOMMODATE CABLE LENGTHS. SPLICING OF FIBER OPTIC CABLES WILL NOT BE ACCEPTABLE.

C. ALL PEDESTAL & DEMARCATION LOCATIONS MUST ACCOMMODATE FIBER TERMINATIONS TO BE MOUNTED. LOCKED AND MAINTAINED BY STATE OF MISSOURI (SOM) STAFF.

D. COORDINATE ALL CONDUIT ROUTINGS WITH CIVIL TRADE.

KEYNOTES (#)

1 PROVIDE 2#10, 1#10G in 1" CONDUIT FOR LIFT STATION FROM GYM PANEL THROUGH GYM BASEMENT, UNDERGROUND, TO SEPTIC TANK CONTROL STATION.

1 **ELECTRICAL SITE PLAN - SCALE: 1" = 10'-0"**

0 20 40 80

TRUE NORTH PLAN NORTH

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
NUMBER E-29041
REGISTERED PROFESSIONAL ENGINEER

11/26/2025
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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

SHEET TITLE:

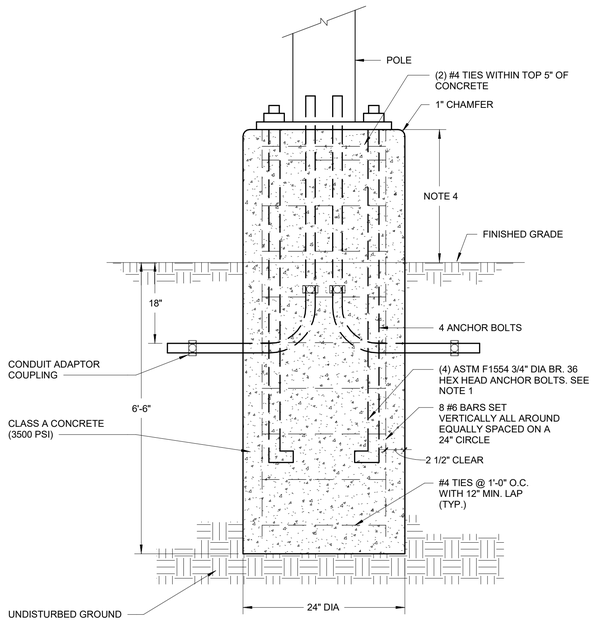
ELECTRICAL SITE PLAN - SEPTIC TANK - BASE BID

SHEET NUMBER:

E-408

SHEET 214 of 219
ISSUE DATE 11/26/2025

11/26/2025 9:54:15 AM

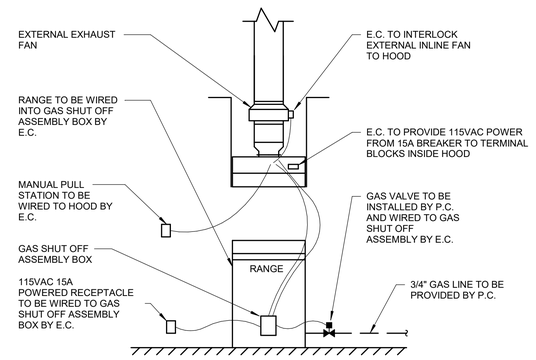


NOTES:

1. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CHECK AND VERIFY ALL ANCHOR BOLT DIMENSIONS (SIZE, BOLT CIRCLE, ETC.) WITH THE CONTRACTOR WHO WILL BE INSTALLING THE LIGHTING STANDARD PRIOR TO INSTALLATION OF THE FOUNDATIONS.
2. CHAMFER EXPOSED EDGES OF ALL FOUNDATIONS.
3. PROVIDE INSULATING GROUNDING BUSHING ON EXPOSED ENDS (IN BASE OF POLE) OF ALL GALVANIZED STEEL BENDS.
4. VARIES - 2'-0" AFG IN PARKING LOT AREAS AND IN AREAS SUBJECT TO VEHICULAR DAMAGE; 6" AFG IN ALL AREAS WHERE NOT SUBJECT TO VEHICULAR DAMAGE.

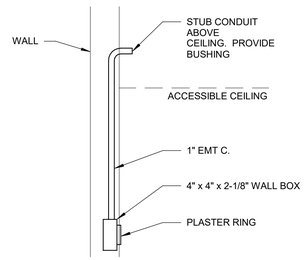
7 LIGHTING POLE FOUNDATION DETAIL

SCALE: NOT TO SCALE



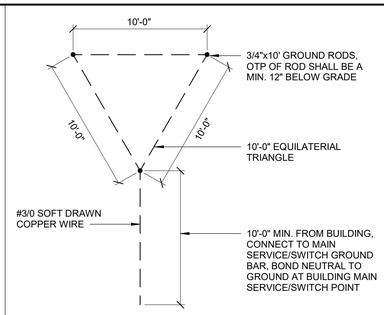
5 KITCHEN HOOD DETAIL

SCALE: NOT TO SCALE



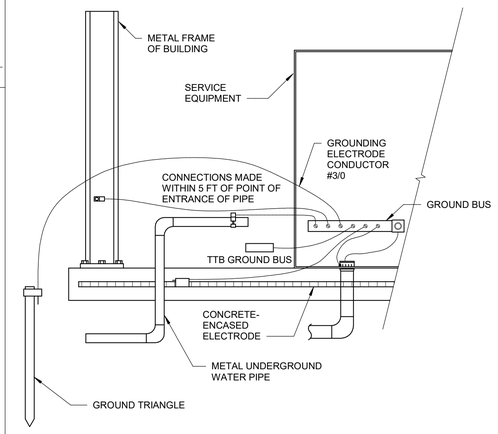
4 TELE/DATA OUTLET BOX

SCALE: NOT TO SCALE



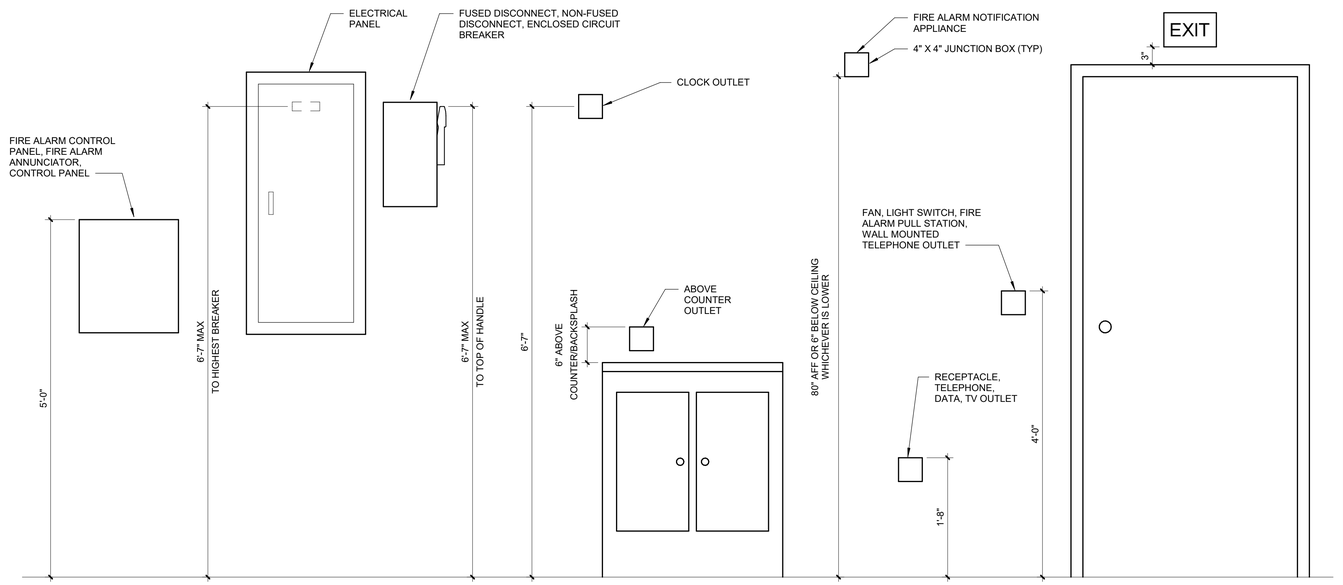
3 GROUNDING TRIANGLE DETAIL

SCALE: NOT TO SCALE



2 SERVICE ENTRANCE GROUNDING DETAIL

SCALE: NOT TO SCALE



1 TYPICAL MOUNTING HEIGHT DETAIL

SCALE: NOT TO SCALE

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
NUMBER E-29041
REGISTERED PROFESSIONAL ENGINEER

11/26/2025
EXP. 12/31/2026

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Engineers | Architects | Surveyors | Scientists

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

SHEET TITLE:

DETAILS

SHEET NUMBER:

E-501

SHEET 215 of 219
ISSUE DATE 11/26/2025

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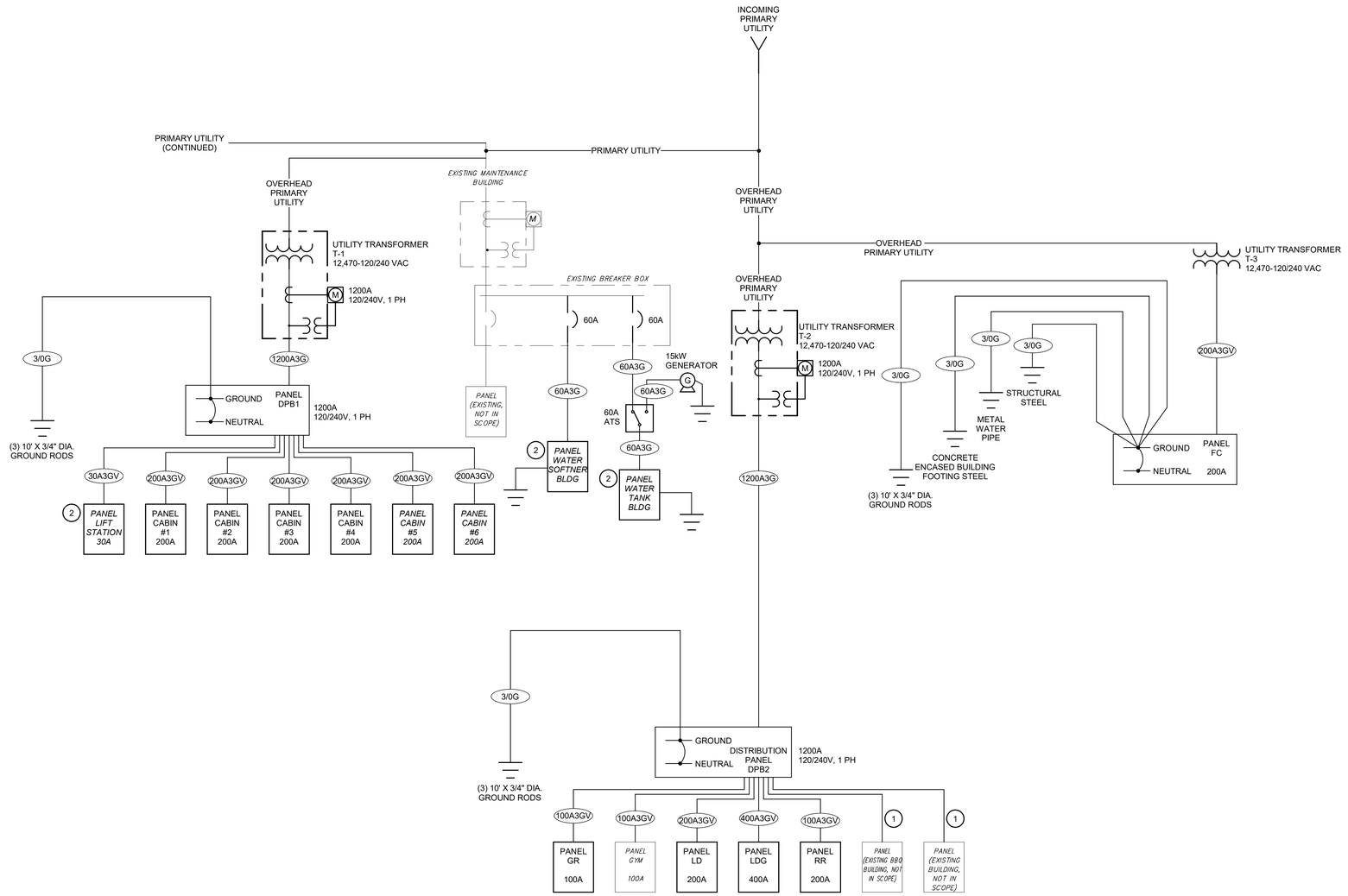

1 **ONE-LINE DIAGRAM**

SCALE: NOT TO SCALE

NEW ELECTRICAL SERVICE RESPONSIBILITY SCHEDULE

ITEM	DESCRIPTION	FURNISHED BY	INSTALLED BY	REMARKS
A	TRANSFORMER SITE COMPACTION	EC	EC	-
B	NEW TRANSFORMER BASE	EC	EC	-
C	NEW TRANSFORMER	U	U	-
D	TRENCHING FROM UTILITY POLE TO TRANSFORMER	EC	EC	-
E	PRIMARY CONDUIT(S) & DUCT BANK	U	U	-
F	PRIMARY CONDUCTORS	U	U	-
G	SECONDARY CONDUIT(S) TO MAIN SWITCHBOARD	EC	EC	-
H	SECONDARY CONDUCTORS TO MAIN SWITCHBOARD	EC	EC	-
I	C.T.'S	U	U	-
J	C.T. CABINETS	U	U	-
K	METERS	U	U	-
L	METER SOCKETS	U	U	-
M	FINAL TERMINATION AT TRANSFORMER	U	U	-
N	WIRING TERMINATIONS AT METERING EQUIPMENT	EC	EC	-
O	MAIN SWITCHBOARD	EC	EC	-

REMARKS:

WITH REGARDS TO SPECIFICATION FOR POWER SYSTEMS STUDIES (260573), THE FOLLOWING TIMELINE OF SHOP DRAWINGS MUST BE STRICTLY ADHERED TO:

A. BEFORE ANY ELECTRICAL DISTRIBUTION EQUIPMENT IS SUBMITTED FOR REVIEW, THE POWER SYSTEMS STUDY MUST BE SUBMITTED, REVIEWED, AND FULLY APPROVED.

B. ELECTRICAL DISTRIBUTION EQUIPMENT IS DEFINED AS ANY EQUIPMENT THAT HAS AN AIC RATING THAT MAY BE AFFECTED BY THE POWER SYSTEMS STUDY, EQUIPMENT WITH DEVICES THAT HAVE ADJUSTABLE SETTINGS OR MAY NEED TO HAVE ADJUSTABILITY ADDED AS PART OF THE POWER SYSTEMS STUDY, AND EQUIPMENT THAT WILL HAVE AN ARC FLASH LABEL APPLIED.

C. THE VENDOR(S) PROVIDING THE ELECTRICAL DISTRIBUTION EQUIPMENT WILL COORDINATE WITH THE PERSON COMPLETING THE POWER SYSTEMS STUDY SO THAT ELECTRICAL DISTRIBUTION EQUIPMENT IS IN STRICT ADHERENCE TO THE REQUIREMENTS OF THE POWER SYSTEMS STUDY.

KEYNOTES (#)

1 PROVIDE 2" CONDUIT WITH PULL STRINGS FOR FUTURE CONDUCTOR INSTALLATION.

2 PANEL PROVIDED BY WATER TREATMENT VENDOR. COORDINATE WITH CIVIL TRADE.

FEEDER SCHEDULE

MARK	CONDUIT & CONDUCTORS (SEE NOTE 1)	REMARKS
3/0G	1#3/0G, 3/4"C	
30A3GV	3#10, 1#10G, 3/4"C	
60A3G	3#4, 1#10G, 1-1/4"C	
100A3GV	3#1, 1#8G, 1-1/2"C	
200A3GV	3#3/0, 1#6G, 2"C	
400A3GV	2 SETS (3#3/0, 1#3G, 2"C)	
1200A3G	4 SETS (3#350, 1#3/0G, 2-1/2"C)	

REMARKS:

1. THIS FEEDER SCHEDULE IS BASED ON 60 DEGREE CENTIGRADE (TYPE TW) WIRE AND TERMINATIONS FOR SIZES #12 TO #1, AND 75 DEGREE CENTIGRADE (TYPE THHN/THWN) WIRE AND TERMINATIONS FOR SIZES #1/0 AND LARGER. UNLESS NOTED OTHERWISE, CONDUIT IS SIZED BASED ON TYPE EMT CONDUIT. USE OF OTHER CONDUIT TYPES REQUIRES RESIZING OF CONDUIT.

2. FEEDERS MARKED WITH A "V" ARE SIZED LARGER TO PREVENT EXCESSIVE VOLTAGE DROP. IF THE INSTALLED CONDUIT TYPE AND CONDUCTOR TYPE ARE DIFFERENT THAN THE INDICATED TYPES, RE-EVALUATE CONDUCTOR AND CONDUIT SIZE FOR VOLTAGE DROP AND RESIZE IF REQUIRED. EVALUATE VOLTAGE DROP AT THE FARTHEST OUTLET OF POWER, HEATING AND LIGHTING LOADS, OR COMBINATIONS OF SUCH LOADS; SIZE CONDUCTORS FOR FEEDERS TO PREVENT A VOLTAGE DROP EXCEEDING 2 PERCENT; SIZE CONDUCTORS FOR BRANCH CIRCUITS TO PREVENT A VOLTAGE DROP EXCEEDING 3 PERCENT. THE MAXIMUM TOTAL VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARTHEST OUTLET SHALL NOT EXCEED 5 PERCENT.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
NUMBER
(E-29041)
REGISTERED PROFESSIONAL ENGINEER

11/26/2025
EXP. 12/31/2026

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DATE: DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

SHEET TITLE:

ONE-LINE DIAGRAM

SHEET NUMBER:

E-601

SHEET 216 of 219
ISSUE DATE 11/26/2025

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EQUIPMENT DATA SCHEDULE

MARK	EQUIPMENT	DESCRIPTION: FURNISHED BY	DESCRIPTION: INSTALLED BY	LOCATION	LOAD DATA: LOAD	LOAD DATA: VOLTAGE	LOAD DATA: PHASE	STARTER: TYPE	STARTER: NEMA SIZE	STARTER: DISC. TYPE	STARTER: DISC. SIZE	STARTER: FURNISHED BY	STARTER: INSTALLED BY	STARTER: CONTROL WIRING	DISCONNECT AT EQUIP.: DISC. TYPE	DISCONNECT AT EQUIP.: DISC. SIZE	DISCONNECT AT EQUIP.: FURNISHED BY	DISCONNECT AT EQUIP.: INSTALLED BY	WIRE & CONDUIT	REMARKS
AT 1	AXMAX TANKS	GC	GC	EXTERIOR	1.5 HP	240	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#10, 1#10G, 3/4"C	
CU 1	CONDENSING UNIT	MC	MC	EXTERIOR LODGE	26 MCA	240	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#10, 1#10G, 3/4"C	
DS 1	DUCTLESS SPLIT SYSTEM	MC	MC	GAME ROOM	-	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EBB 1	ELECTRIC BASEBOARD HEATER	MC	MC	RESTROOM	750 W	120	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EBB 2	ELECTRIC BASEBOARD HEATER	MC	MC	RESTROOM	750 W	120	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EBB 3	ELECTRIC BASEBOARD HEATER	MC	MC	RESTROOM	500 W	120	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EBB 4	ELECTRIC BASEBOARD HEATER	MC	MC	RESTROOM	500 W	120	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EBB 5	ELECTRIC BASEBOARD HEATER	MC	MC	RESTROOM	750 W	120	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EBB 6	ELECTRIC BASEBOARD HEATER	MC	MC	RESTROOM	500 W	120	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EBB 7	ELECTRIC BASEBOARD HEATER	MC	MC	GAME ROOM	2500 W	240	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EBB 8	ELECTRIC BASEBOARD HEATER	MC	MC	GAME ROOM	2500 W	240	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EBB 9	ELECTRIC BASEBOARD HEATER	MC	MC	GAME ROOM	1500 W	120	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EBB 10	ELECTRIC BASEBOARD HEATER	MC	MC	GAME ROOM	1500 W	120	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EDH 1	ELECTRIC DUCT HEATER	MC	MC	RESTROOM	72 FLA	240	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#8, 1#8G, 1-1/4"C	
EF 1	EXHAUST FAN	MC	MC	RESTROOM	1/4 HP	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 2	EXHAUST FAN	MC	MC	LODGE	0.19 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 3	EXHAUST FAN	MC	MC	LODGE	0.19 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 4	EXHAUST FAN	MC	MC	LODGE	0.19 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 5	EXHAUST FAN	MC	MC	LODGE	1.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 6	EXHAUST FAN	MC	MC	LODGE	1.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 7	EXHAUST FAN	MC	MC	LODGE	1.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 8	EXHAUST FAN	MC	MC	LODGE	1.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 9	EXHAUST FAN	MC	MC	LODGE	1.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 10	EXHAUST FAN	MC	MC	LODGE	1.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 11	EXHAUST FAN	MC	MC	DORMITORY	0.19 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 12	EXHAUST FAN	MC	MC	DORMITORY	1.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 13	EXHAUST FAN	MC	MC	DORMITORY	1.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 14	EXHAUST FAN	MC	MC	FAMILY CABIN	1.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 15	EXHAUST FAN	MC	MC	FAMILY CABIN	1.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 16	EXHAUST FAN	MC	MC	2 BEDROOM CABIN	1.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EUH 1	ELECTRIC UNIT HEATER	MC	MC	RESTROOM	6.3 FLA	120	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EUH 2	ELECTRIC UNIT HEATER	MC	MC	FAMILY CABIN	6.3 FLA	120	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EUH 3	ELECTRIC UNIT HEATER	MC	MC	2 BEDROOM CABIN	4.2 FLA	120	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EUH 4	ELECTRIC UNIT HEATER	MC	MC	RESTROOM	12.5 FLA	120	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EUH 5	ELECTRIC UNIT HEATER	MC	MC	RESTROOM	12.5 FLA	120	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EUH 6	ELECTRIC UNIT HEATER	MC	MC	2 BEDROOM CABIN	12.5 FLA	120	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
EWH 1	ELECTRIC WATER HEATER	PC	PC	MENS RESTROOM	6 KW	240	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#10, 1#10G, 3/4"C	
FCST 1	FAMILY CABIN SEPTIC TANK	GC	GC	EXTERIOR	0.5 HP	240	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#10, 1#10G, 3/4"C	
GF 1	GAS FURNACE	MC	MC	LODGE KITCHEN	8.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
GF 2	GAS FURNACE	MC	MC	LODGE DINING/GREAT ROOM	8.6 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
GF 3	GAS FURNACE	MC	MC	LODGE BEDROOMS	8.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
GF 4	GAS FURNACE	MC	MC	LODGE BEDROOMS	8.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
GF 5	GAS FURNACE	MC	MC	DORMITORY BEDROOMS	8.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
GF 6	GAS FURNACE	MC	MC	DORMITORY SITTING ROOM/CORRIDOR	8.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
GF 7	GAS FURNACE	MC	MC	FAMILY CABIN	8.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
GF 8	GAS FURNACE	MC	MC	2 BEDROOM CABIN	8.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
GWH 1	GAS WATER HEATER	PC	PC	2 BEDROOM CABIN	5 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
GWH 2	GAS WATER HEATER	PC	PC	FAMILY CABIN	5 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
GWH 3	GAS WATER HEATER	PC	PC	LODGE MECH ROOM	5 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
GWH 4	GAS WATER HEATER	PC	PC	LODGE MECH ROOM	5 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
GWH 5	GAS WATER HEATER	PC	PC	LODGE MECH ROOM	5 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
HP 1	HEAT PUMP	MC	MC	LODGE KITCHEN	33 MCA	240	1	PWC	-	-	-	-	-	TCC	FS	60	EC	EC	2#8, 1#10G, 3/4"C	
HP 2	HEAT PUMP	MC	MC	LODGE DINING/GREAT ROOM	45 MCA	240	1	PWC	-	-	-	-	-	TCC	FS	60	EC	EC	2#6, 1#10G, 3/4"C	
HP 3	HEAT PUMP	MC	MC	LODGE BEDROOMS	33 MCA	240	1	PWC	-	-	-	-	-	TCC	FS	60	EC	EC	2#8, 1#10G, 3/4"C	
HP 4	HEAT PUMP	MC	MC	LODGE BEDROOMS	33 MCA	240	1	PWC	-	-	-	-	-	TCC	FS	60	EC	EC	2#8, 1#10G, 3/4"C	
HP 5	HEAT PUMP	MC	MC	DORMITORY BEDROOMS	33 MCA	240	1	PWC	-	-	-	-	-	TCC	FS	60	EC	EC	2#8, 1#10G, 3/4"C	
HP 6	HEAT PUMP	MC	MC	DORMITORY SITTING ROOM/CORRIDOR	33 MCA	240	1	PWC	-	-	-	-	-	TCC	FS	60	EC	EC	2#8, 1#10G, 3/4"C	
HP 7	HEAT PUMP	MC	MC	FAMILY CABIN	46 MCA	240	1	PWC	-	-	-	-	-	TCC	FS	60	EC	EC	2#8, 1#10G, 3/4"C	
HP 8	HEAT PUMP	MC	MC	2 BEDROOM CABIN	33 MCA	240	1	PWC	-	-	-	-	-	TCC	FS	60	EC	EC	2#8, 1#10G, 3/4"C	
HPC 1	HEAT PUMP CONDENSING UNIT	MC	MC	GAME ROOM	23 MCA	240	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#10, 1#10G, 3/4"C	
HWCP 1	HOT WATER CIRCULATING PUMP	PC	PC	DORMITORY MECH ROOM	1/40 HP	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
HWCP 2	HOT WATER CIRCULATING PUMP	PC	PC	LODGE MECH ROOM	1/40 HP	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
KH 1	KITCHEN HOOD	MC	MC	LODGE KITCHEN	1.7 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
LST 1	LODGE SEPTIC TANK	GC	GC	LOCATION OF EQUIPMENT	.75 HP	240	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
MAU 1	MAKEUP AIR UNIT	MC	MC	LODGE BASEMENT	8.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
MAU 2	MAKEUP AIR UNIT	MC	MC	LODGE BASEMENT	8.8 FLA	120	1	PWC	-	-	-	-	-	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
NCST 1	NEW CABINS SEPTIC TANK	GC	GC	EXTERIOR	0.5 HP	240	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#12, 1#12G, 3/4"C	
PAT 1	PRE-ANOXIC TANK	GC	GC	EXTERIOR	0.5 HP	240	1	PWC	-	-	-	-	-	TCC	FS	30	EC	EC	2#10, 1#10G, 3/4"C	
WP 1	WELL PUMP	GC	GC	EXTERIOR	5 HP	240	1	PWC	-	-	-	-	-	TCC	FS	60	EC	EC	2#8, 1#10G, 3/4"C	
WP 2	WELL PUMP	GC	GC	EXTERIOR	5 HP	240	1	PWC	-	-	-	-	-	TCC	FS	60	EC	EC	2#8, 1#10G, 3/4"C	

EQUIPMENT DATA NOTES:

GENERAL NOTES:

A.

REMARKS:

1. INSTALL DISCONNECT SWITCH ON THE SIDE OF THE EQUIPMENT HOUSING.
2. PROVIDE DISCONNECT LOCKABLE IN ACCORDANCE WITH NEC 110.25.
3. FUSE PER MANUFACTURER'S RECOMMENDATIONS.
4. INTERIOR UNIT ELECTRICALLY FED FROM EXTERIOR UNIT BY MANUFACTURER PROVIDED CABLE. COORDINATE RACEWAY REQUIREMENTS WITH EQUIPMENT MANUFACTURER.

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	LAMP DESCRIPTION	VOLTAGE	LOAD (VA)	FINISH	MOUNTING	DESCRIPTION
A	AXIS COOPER SIGNIFY	ARWLED-1000-80-TW2750-S-S(80)-BLK-UNV-TW-1-B(5)	LED	120 V	8W/FT	BLACK	WALL	WALL MOUNTED STRIP FIXTURE MOUNTED AT 8'-0"
B	LITHONIA SIGNIFY COOPER	65BEMW-HI LED-30K-90CRI-L7XLED T24-LC6-IC21	LED	120 V	13.9	OIL RUBBED	RECESSED	6" RECESSED LED DOWNLIGHT. PROVIDE HOUSING AS REQUIRED BY MANUFACTURER.
B1	LITHONIA SIGNIFY COOPER	65BEMW-HI LED-30K-90CRI-L7XLED T24-LC6-IC21	LED	120 V	13.9	OIL RUBBED	RECESSED	WALL WASH
B2	LITHONIA SIGNIFY COOPER	65BEMW-HI LED-30K-90CRI-L7XLED T24-LC6-IC21	LED	120 V	13.9	WHITE	RECESSED	6" RECESSED LED DOWNLIGHT. PROVIDE HOUSING AS REQUIRED BY MANUFACTURER.
B2E	LITHONIA SIGNIFY COOPER	65BEMW-HI LED-30K-90CRI-L7XLED T24-LC6-IC21	LED	120 V	13.9	WHITE	RECESSED	6" RECESSED LED DOWNLIGHT. PROVIDE HOUSING AS REQUIRED BY MANUFACTURER WITH EMERGENCY BACKUP.
BE	LITHONIA SIGNIFY COOPER	65BEMW-HI LED-30K-90CRI-L7XLED T24-LC6-IC21	LED	120 V	13.9	OIL RUBBED	RECESSED	6" RECESSED LED DOWNLIGHT. PROVIDE HOUSING AS REQUIRED BY MANUFACTURER WITH EMERGENCY BACKUP.
C	VISUAL COMFORT CAPITOL LIGHTING LIGHT FIRM	41160EN3-112	LED	120 V	9	BLACK	WALL	VANITY FIXTURE, MOUNT W/GLOBES FACING DOWN, USE LED LAMPS, 3000K
F	LITHONIA SIGNIFY COOPER	ZL2N-L48-3000LM-L/LENS-MVOLT-40K-80CRI-WH	LED	120 V	25	WHITE	SURFACE	4 FOOT LED STRIP LIGHT
FE	LITHONIA SIGNIFY COOPER	ZL2N-L48-3000LM-L/LENS-MVOLT-40K-80CRI-WH	LED	120 V	25	WHITE	SURFACE	4 FOOT LED STRIP LIGHT
G	ULTRALIGHTS AFX LIGHTART	LOOM 23520-36	LED	120 V	50.4	BLACK	PENDANT	CHANDELIER MOUNT AT 8'-6" AFF
H	SEAGULL HUNTER WESTINGHOUSE	15030-829 (WITH LIGHT KIT #16 120B-6058) 50292 7879965 BETHANY RUSTIC BRONZE	LED/80CRI/3000K	120 V	42	BLACK	SURFACE	52" DECORATIVE CEILING FAN WITH LIGHT KIT. PROVIDE 3000K, MIN. 80 CRI, 300 LUMENS LED LAMPS
J	VISUAL COMFORT AFX PROGRESS LIGHTING	TOB 2065HAB-BLK	LED/3000K	120 V	11	HAND-RUBBED ANTIQUE BRASS	WALL	DECORATIVE SCONCE MOUNTED AT 48"AFF, 1100LM WITH BULB
K	VISUAL COMFORT CAPITOL LIGHTING LIGHT FIRM	41163EN3-112	LED	120 V	36	BLACK	WALL	FOUR LIGHT WALL / BATH LUMINAIRE
L	SCHOOLHOUSE PROGRESS LIGHTING VISUAL COMFORT	FACTORY 5	LED/80CRI/3000K	120 V	25	BLACK	PENDANT	MOUNT AT 6'-8" AFF TO BOTTOM
M	SCHOOLHOUSE PROGRESS LIGHTING VISUAL COMFORT	FACTORY 4	LED/80CRI/3000K	120 V	13	BLACK	WALL	MOUNT AT 13'-0" AFF
N	KENALL COOPER ACUITY	MAUCLED-S-MW-13C37K-24-DV	LED	120 V	100	WHITE	SURFACE	24" LED UNDER-CABINET STRIP LIGHT, SWITCH PROVIDED WITH LUMINAIRE ON FIXTURE
N1	KENALL COOPER ACUITY	MAUCLED-S-MW-13C37K-18-DV	LED	120 V	64	WHITE	SURFACE	18" LED UNDER-CABINET STRIP LIGHT, SWITCH PROVIDED WITH LUMINAIRE ON FIXTURE
SA	AFX VISUAL COMFORT PROGRESS LIGHTING	LNNW0914MBBK	LED	120 V	15	BLACK	WALL	WATER GLASS LANTERN WALL SCONCE, USE LED BLBS, 3000K, SEE ARCH FOR MOUNTING HEIGHT
SB	JUNO COOPER SIGNIFY	6RLD-G4-10LM-30K-90CRI-12-FRPC-WWH	LED	120 V	12	WHITE	RECESSED	6" RECESSED WET LOCATION LED DOWNLIGHT. PROVIDE HOUSING AS REQUIRED BY MANUFACTURER.
SC	HADCO ACUITY COOPER	RL9-A-S7-LED2W	LED	120 V	2	BLACK	PATHWAY	ASTM B117 DIE CAST ALUMINUM 16" TALL
SD	STERNBERG VISUAL COMFORT PROGRESS LIGHTING	PT-US760-S5-84L-30-T5-SV1-R7-BKT	LED/3000K	120 V	80	BLACK TEXTURED	12'-0"	USONIA POST TOP POLE LIGHTING
X	SURE LITE LITHONIA SIGNIFY	APX7RG	LED	120 V	1.34	WHITE	UNIVERSAL	EXIT SIGN, RED LETTERING, NI CAD BATTERY, SELF DIAGNOSTICS

NOTES:

A. REMOVE ALL FINGER PRINTS FROM LENSES, REFLECTORS, AND LOUVERS FOLLOWING LIGHT FIXTURE INSTALLATION.

B. FOR CONTINUOUS FIXTURES, COORDINATE WITH SUPPLIER ON LENGTH AND REQUIRED FITTINGS, AND INSTALL WITH UNIFORM ILLUMINATION ALONG FIXTURE INCLUDING CORNERS.

C. FOR APPROVAL OF FIXTURES FROM MANUFACTURERS OTHER THAN THOSE LISTED, PROPOSED FIXTURES SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER TEN BUSINESS DAYS PRIOR TO BID FOR REVIEW. FINAL DETERMINATION OF 'EQUAL' STATUS FOR BIDDING SHALL BE THE SOLE DETERMINATION OF THE ARCHITECT/ENGINEER.

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
NUMBER E-29041
REGISTERED PROFESSIONAL ENGINEER

11/26/2025
EXP. 12/31/2026

Farnsworth
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OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT, DESIGN
AND CONSTRUCTION

DEPARTMENT OF NATURAL
RESOURCES DIVISION OF STATE
PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Lower Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

SHEET TITLE:

SCHEDULES

SHEET NUMBER:

E-602

SHEET 217 of 219
ISSUE DATE 11/26/2025

11/26/2025 9:54:16 AM

PANELBOARD FAMILY CABIN

VOLTAGE:	240/120V			CONNECTED LOAD PER PHASE				ISOLATED GROUND BUS (Y/N):				N	
PHASE/WIRE:	1Ø / 3W							BUSSING:				SEE SPEC	
RATED AMPERAGE:	200 A			A		B		MOUNTING:				SURFACE	
MAIN:	200 A MCB							MCB GROUND FAULT PROTECTION (Y/N):				N	
SCC RATING (SYM):	22,000 AIC			18877 VA		18085 VA		MCB SHUNT TRIP (Y/N):				N	
				157 A		151 A		MCB 100% RATED (Y/N):				N	

CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	LIGHTING - EXTERIOR		20 A	1	45	1080			1	20 A		RECEPTACLE - BEDROOM	2
3	LIGHTING		20 A	1			1053	1260	1	20 A		RECEPTACLE - BEDROOM	4
5	CEILING FAN/LIGHT		20 A	1	1200	540			1	20 A		RECEPTACLE - EXTERIOR, MECH	6
7	CEILING FAN/LIGHT		20 A	1			1200	720	1	20 A		RECEPTACLE - FRONT PORCH	8
9	CEILING FAN/LIGHT		20 A	1	600	1080			1	20 A		RECEPTACLE - LIVING, DINING	10
11	HP-7		70 A	2			4416	920	1	20 A		RECEPTACLE - LIVING, HALL	12
13					4416	360			1	20 A		RECEPTACLE - BATHROOMS	14
15	GF-7		20 A	1			1056	1000	1	20 A		RECEPTACLE - MICROWAVE	16
17	EUH-2		20 A	1	756	900			1	20 A		RECEPTACLE - KITCHEN	18
19	GWH-2		20 A	1			600	360	1	20 A		RECEPTACLE - KITCHEN	20
21	REFRIGERATOR		20 A	1	1200	1200			1	20 A		DISHWASHER	22
23	FCST1 CONTROL PANEL		20 A	2			500	600	1	20 A		GARBAGE DISPOSAL	24
25					500	600			1	20 A		KITCHEN HOOD	26
27	SPARE		20 A	1			0	4400	2	50 A		STOVE	28
29	SPARE		20 A	1	0	4400							30
31	SPARE		20 A	1			0	0	1	20 A		SPARE	32
33	SPARE		20 A	1	0	0			1	20 A		SPARE	34
35	SPARE		20 A	1			0	0	1	20 A		SPARE	36
37	SPACE		--	1	--	--			1	--		SPACE	38
39	SPACE		--	1			--	--	1	--		SPACE	40
41	SPACE		--	1	--	--			1	--		SPACE	42

Load Classification	Connected Load	Demand Factor	Demand Load	PANEL TOTALS	
Motor	11088 VA	119.91%	13296 VA		
HVAC	1556 VA	100.00%	1556 VA	TOTAL CONNECTED LOAD:	36962 VA
Lighting - Continuous	4098 VA	125.00%	5123 VA	TOTAL DEMAND:	36185 VA
Receptacle	18020 VA	77.75%	14010 VA	TOTAL CONNECTED CURRENT:	154 A
Other Non-Continuous Load	1200 VA	100.00%	1200 VA	TOTAL DEMAND CURRENT:	151 A

NOTES:
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PANELBOARD RESTROOM

VOLTAGE:	240/120V			CONNECTED LOAD PER PHASE				ISOLATED GROUND BUS (Y/N):				N	
PHASE/WIRE:	1Ø / 3W							BUSSING:				SEE SPEC	
RATED AMPERAGE:	200 A			A		B		MOUNTING:				SURFACE	
MAIN:	200 A MCB							MCB GROUND FAULT PROTECTION (Y/N):				N	
SCC RATING (SYM):	22,000 AIC			19917 VA		19062 VA		MCB SHUNT TRIP (Y/N):				N	
				166 A		159 A		MCB 100% RATED (Y/N):				N	

CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	LIGHTING		20 A	1	565	750			1	20 A		EBB-1	2
3	LIGHTING - EXTERIOR		20 A	1			316	750	1	20 A		EBB-2	4
5	RECEPTACLE		20 A	1	720	500			1	20 A		EBB-3	6
7	RECEPTACLE		20 A	1			720	500	1	20 A		EBB-4	8
9	RECEPTACLE - EXTERIOR		20 A	1	360	750			1	20 A		EBB-5	10
11	WASHER		20 A	1			1000	500	1	20 A		EBB-6	12
13	DRYER		30 A	2	2880	8640			2	90 A		EDH-1	14
15							2880	8640					16
17	EF-1		20 A	1	696	1056			1	20 A		MAU-2	18
19	EUH-1		20 A	1			756	0	1	20 A		SPARE	20
21	EWH-1		35 A	2	3000	0			1	20 A		SPARE	22
23							3000	0	1	20 A		SPARE	24
25	SPARE		20 A	1	0	0			1	20 A		SPARE	26
27	SPARE		20 A	1			0	0	1	20 A		SPARE	28
29	SPARE		20 A	1	0	0			1	20 A		SPARE	30
31	SPARE		20 A	1			0	0	1	20 A		SPARE	32
33	SPARE		20 A	1	0	0			1	20 A		SPARE	34
35	SPARE		20 A	1			0	0	1	20 A		SPARE	36
37	SPACE		--	1	--	--			1	--		SPACE	38
39	SPACE		--	1			--	--	1	--		SPACE	40
41	SPACE		--	1	--	--			1	--		SPACE	42

Load Classification	Connected Load	Demand Factor	Demand Load	PANEL TOTALS	
Motor	1752 VA	115.07%	2016 VA		
HVAC	27786 VA	100.00%	27786 VA	TOTAL CONNECTED LOAD:	38979 VA
Lighting - Continuous	881 VA	125.00%	1101 VA	TOTAL DEMAND:	39463 VA
Receptacle	8560 VA	100.00%	8560 VA	TOTAL CONNECTED CURRENT:	162 A
				TOTAL DEMAND CURRENT:	164 A

NOTES:
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PANELBOARD GAME ROOM

VOLTAGE:	240/120V			CONNECTED LOAD PER PHASE				ISOLATED GROUND BUS (Y/N):				N	
PHASE/WIRE:	1Ø / 3W							BUSSING:				SEE SPEC	
RATED AMPERAGE:	100 A			A		B		MOUNTING:				RECESSED	
MAIN:	100 A MCB							MCB GROUND FAULT PROTECTION (Y/N):				N	
SCC RATING (SYM):	22,000 AIC			7709 VA		6403 VA		MCB SHUNT TRIP (Y/N):				N	
				64 A		53 A		MCB 100% RATED (Y/N):				N	

CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	LIGHTING		20 A	1	401	900			1	20 A		RECEPTACLES	2
3	LIGHTING		20 A	1			15	180	1	20 A		RECEPTACLE - EXTERIOR	4
5	SPARE		20 A	1	0	200			1	20 A		FIREPLACE	6
7	SPARE		20 A	1			0	1250	2	20 A		EBB-7	8
9	SPARE		20 A	1	0	1250							10
11	SPARE		20 A	1			0	1250	2	20 A		EBB-8	12
13	SPARE		20 A	1	0	1250							14
15	SPARE		20 A	1			0	1500	1	20 A		EBB-9	16
17	HPC-1		30 A	2	2208	1500			1	20 A		EBB-10	18
19							2208	0	1	20 A		SPARE	20

Load Classification	Connected Load	Demand Factor	Demand Load	PANEL TOTALS	
Motor	4416 VA	125.00%	5520 VA		
HVAC	8000 VA	100.00%	8000 VA	TOTAL CONNECTED LOAD:	14112 VA
Lighting - Continuous	416 VA	125.00%	520 VA	TOTAL DEMAND:	15320 VA
Receptacle	1080 VA	100.00%	1080 VA	TOTAL CONNECTED CURRENT:	59 A
Other Non-Continuous Load	200 VA	100.00%	200 VA	TOTAL DEMAND CURRENT:	64 A

NOTES:
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PANELBOARD LOWER DORM

VOLTAGE:	240/120V			CONNECTED LOAD PER PHASE				ISOLATED GROUND BUS (Y/N):				N	
PHASE/WIRE:	1Ø / 3W							BUSSING:				SEE SPEC	
RATED AMPERAGE:	200 A			A		B		MOUNTING:				SURFACE	
MAIN:	200 A MCB							MCB GROUND FAULT PROTECTION (Y/N):				N	
SCC RATING (SYM):	22,000 AIC			12578 VA		12788 VA		MCB SHUNT TRIP (Y/N):				N	
				105 A		107 A		MCB 100% RATED (Y/N):				N	

CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	LIGHTING		20 A	1	1286	1056			1	20 A		GF-5	2
3	CEILING FAN/LIGHT		20 A	1			1200	1056	1	20 A		GF-6	4
5	CEILING FAN/LIGHT		20 A	1	1200	600			1	20 A		GWH-5	6
7	CEILING FAN/LIGHT		20 A	1			600	276	1	20 A		HWCP-1	8
9	LIGHTING - EXTERIOR		20 A	1	30	180			1	20 A		RECEPTACLE BASEMENT	10
11	RECEPTACLE - EXTERIOR		20 A	1			360	1500	1	20 A		EUH-6	12
13	RECEPTACLE - SITTING RM/RR		20 A	1	540	3168			2	50 A		HP-5	14
15	FIREPLACE		20 A	1			200	3168					16
17	RECEPTACLE - HALL/RR		20 A	1	540	3168			2	50 A		HP-6	18
19	RECEPTACLE - BEDROOM/HALL		20 A	1			720	3168					20
21	RECEPTACLE - BEDROOM/HALL		20 A	1	720	90			1	20 A		LIGHTING - BASEMENT	22
23	RECEPTACLE - BEDROOM/HALL		20 A	1			540	0	1	20 A		SPARE	24
25	SPARE		20 A	1	0	0			1	20 A		SPARE	26
27	SPARE		20 A	1			0	0	1	20 A		SPARE	28
29	SPARE		20 A	1	0	0			1	20 A		SPARE	30
31	SPARE		20 A	1			0	0	1	20 A		SPARE	32
33	SPARE		20 A	1	0	0			1	20 A		SPARE	34
35	SPARE		20 A	1			0	0	1	20 A		SPARE	36
37	SPACE		--	1	--	--			1	--		SPACE	38
39	SPACE		--	1			--	--	1	--		SPACE	40
41	SPACE		--	1	--	--			1	--		SPACE	42

Load Classification	Connected Load	Demand Factor	Demand Load	PANEL TOTALS	
Motor	15336 VA	110.33%	16920 VA		
HVAC	2100 VA	100.00%	2100 VA	TOTAL CONNECTED LOAD:	25366 VA
Lighting - Continuous	4130 VA	125.00%	5162 VA	TOTAL DEMAND:	27982 VA
Receptacle	3600 VA	100.00%	3600 VA	TOTAL CONNECTED CURRENT:	106 A
Other Non-Continuous Load	200 VA	100.00%	200 VA	TOTAL DEMAND CURRENT:	117 A

NOTES:
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PANELBOARD LODGE

VOLTAGE:	240/120V			CONNECTED LOAD PER PHASE				ISOLATED GROUND BUS (Y/N):				N	
PHASE/WIRE:	1Ø / 3W							BUSSING:				SEE SPEC	
RATED AMPERAGE:	600 A			A		B		MOUNTING:				SURFACE	
MAIN:	600 A MCB							MCB GROUND FAULT PROTECTION (Y/N):				N	
SCC RATING (SYM):	22,000 AIC			50867 VA		51268 VA		MCB SHUNT TRIP (Y/N):				N	
				424 A		427 A		MCB 100% RATED (Y/N):				N	

CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	LIGHTING - KITCHEN, DINNING		20 A	1	1584	1056			1	20 A		GF-1	2
3	LIGHTING - GREAT RM, PORCH		20 A	1			1233	1056	1	20 A		GF-2	4
5	LIGHTING - BATHROOMS		20 A	1	1144	1056			1	20 A		GF-3	6
7	LIGHTING - HALL		20 A	1			504	1056	1	20 A		GF-4	8
9	LIGHTING - EXTERIOR		20 A	1	60	1056			1	20 A		MAU-1	10
11	CEILING FAN/LIGHT		20 A	1			1200	600	1	20 A		GWH-3	12
13	CEILING FAN/LIGHT		20 A	1	1200	600			1	20 A		GWH-4	14
15	CEILING FAN/LIGHT		20 A	1			1200	276	1	20 A		HWCP-2	16
17	CEILING FAN/LIGHT		20 A	1	1200	360			1	20 A		RECEPTACLE - BASEMENT	18
19	CEILING FAN/LIGHT		20 A	1			1200	3168	2	50 A		HP-1	20
21	CEILING FAN/LIGHT		20 A	1	1200	3168							22
23	CEILING FAN/LIGHT		20 A	1			1200	4320	2	70 A		HP-2	24
25	RECEPTACLE - EXTERIOR		20 A	1	720	4320							26
27	RECEPTACLE - BEDRROM 216		20 A	1			1080	3168	2	50 A		HP-3	28
29	RECEPTACLE - BEDRROM 219		20 A	1	1080	3168							30
31	RECEPTACLE - BEDROOM 214		20 A	1			1080	3168	2	50 A		HP-4	32
33	RECEPTACLE - BEDROOM 221		20 A	1	1080	3168							34
35	RECEPTACLE - BEDROOM 212		20 A	1			1080	2704	2	40 A		CU-1	36
37	RECEPTACLE - BEDROOM 223		20 A	1	1080	2704							38
39	RECEPTACLE - BATH 220, HALL		20 A	1			540	1500	1	20 A		EUH-4	40
41	RECEPTACLE - BATH 215,217,HALL		20 A	1	540	1500			1	20 A		EUH-5	42
43	RECEPTACLE - BEDROOM 210		20 A	1			1080	1000	1	20 A		FIRE ALARM PANEL	44
45	RECEPTACLE - BEDROOM 225		20 A	1	1080	540			1	20 A		RECEPTACLE - FRONT PORCH	46
47	RECEPTACLE - BATH 222, HALL		20 A	1			540	540	1	20 A		RECEPTACLE - GREAT ROOM	48
49	RECEPTACLE - BATH 211,213,HALL		20 A	1	540	225			1	20 A		LIGHTING - BASEMENT	50
51	FIREPLACE		20 A	1			1000	1500	1	20 A		16 UC ICE MAKER - KITCHEN	52
53	RECEPTACLE - RR 206, 207		20 A	1	540	186			2	50 A		STOVE- KITCHEN	54
55	RECEPTACLE - GREAT ROOM 204		20 A	1			360	186					56
57	7 UNDERCOUNTER DISHWASHER		20 A	1	1800	0			1	20 A		SPARE	58
59	9 FREEZER - KITCHEN		20 A	1			1200	0	1	20 A		SPARE	60
61	10 REFRIDGERATOR - KITCHEN		20 A	1	1200	0			1	20 A		SPARE	62
63	11 MICROWAVE - KITCHEN		20 A	1			1500	0	1	20 A		SPARE	64
65	13 DISHWASHER - KITCHEN		50 A	2	4752	0			1	20 A		SPARE	66
67							4752	0	1	20 A		SPARE	68
69	13 DISHWASHER BOOSTER - KITCHEN		60 A	2	5196	0			1	20 A		SPARE	70
71							5196	0	1	20 A		SPARE	72
73	COFFEE MACHINE - KITCHEN		20 A	1	1200	0			1	20 A		SPARE	74
75	RECEPTACLE - KITCHEN		20 A	1			540	0	1	20 A		SPARE	76
77	RECEPTACLE - KITCHEN		20 A	1	360	0			1	20 A		SPARE	78
79	RECEPTACLE - KITCHEN		20 A	1			540	0	1	20 A		SPARE	80
81	KH-1		15 A	1	204	--			1	--		SPACE	82
83	SPARE		20 A	1			0	--	1	--		SPACE	84

Load Classification	Connected Load	Demand Factor	Demand Load	PANEL TOTALS	
Motor	41440 VA	105.21%	43600 VA		
HVAC	4404 VA	100.00%	4404 VA	TOTAL CONNECTED LOAD:	102135 VA
Lighting - Continuous	12322 VA	125.00%	15403 VA	TOTAL DEMAND:	102225 VA
Receptacle	16500 VA	80.30%	13250 VA	TOTAL CONNECTED CURRENT:	426 A
Kitchen Equip - Non-Dwelling Unit	27469 VA	93.08%	25568 VA	TOTAL DEMAND CURRENT:	426 A

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11/26/2025 9:54:17 AM

STATE OF MISSOURI
MIKE KEHOE
GOVERNOR

STATE OF MISSOURI
WARREN RAY KOHM
NUMBER E-29041
REGISTERED PROFESSIONAL ENGINEER

11/26/2025
EXP. 12/31/2026

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MANAGEMENT, DESIGN
AND CONSTRUCTION

DEPARTMENT OF NATURAL
RESOURCES DIVISION OF STATE
PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	CB/Cabin C	7815232004
Lower Dorm	7815232010	CB/Cabin D	7815232005
Gymnasium	7815232011	CB/Cabin E	7815232006
Game Room	7815232012	CB/Cabin F	7815232007
Family Cabin	7815232013	CB/Cabin G	7815232008
RR Building	7815232014	CB/Cabin H	7815232009

#	DATE:	DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

SHEET TITLE:

SCHEDULES

SHEET NUMBER:

E-603

SHEET 218 of 219
ISSUE DATE 11/26/2025

DISTRIBUTION PANEL DPB1

VOLTAGE:	240/120V	SCC RATING (SYM):	65,000 AIC	MOUNTING:	PAD
PHASE / WIRE:	1Ø / 3W	OPD INTERRUPTING RATING (SYM):	-	MCB GROUND FAULT PROTECTION (Y/N):	N
RATED AMPERAGE:	1200 A	ISOLATED GROUND BUS (Y/N):	N	MCB SHUNT TRIP (Y/N):	N
MAIN:	1200 A MCB	BUSSING:	SEE SPEC	MCB 100% RATED (Y/N):	N

ITEM NO.	IDENTIFICATION	BREAKER FRAME	BREAKER TRIP	TYPE (*)	POLE	A	B	REMARKS
1	PANEL C-1	400 A	200 A		2	15873 VA	14556 VA	
2	PANEL C-2	400 A	200 A		2	15873 VA	14556 VA	
3	PANEL C-3	400 A	200 A		2	15873 VA	14556 VA	
4	PANEL C-4	400 A	200 A		2	15873 VA	14556 VA	
5	PANEL C-5	400 A	200 A		2	15873 VA	14556 VA	
6	PANEL C-6	400 A	200 A		2	16373 VA	15056 VA	
7	SPACE	--	--		2	--	--	
8	SPACE	--	--		2	--	--	
					TOTAL CONNECTED LOAD:	95738 VA	87836 VA	
					TOTAL AMPS:	798 A	732 A	

Load Classification	Connected Load	Demand Factor	Demand Load	PANEL TOTALS	
Motor	10520 VA	115.06%	12104 VA		
HVAC	1104 VA	100.00%	1104 VA	TOTAL CONNECTED LOAD:	183574 VA
Lighting - Continuous	2945 VA	125.00%	3681 VA	TOTAL DEMAND:	182964 VA
Receptacle	15860 VA	81.53%	12930 VA	TOTAL CONNECTED CURRENT:	765 A
				TOTAL DEMAND CURRENT:	762 A

NOTES:
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DISTRIBUTION PANEL DPB2

VOLTAGE:	240/120V	SCC RATING (SYM):	65,000 AIC	MOUNTING:	PAD
PHASE / WIRE:	1Ø / 3W	OPD INTERRUPTING RATING (SYM):	-	MCB GROUND FAULT PROTECTION (Y/N):	N
RATED AMPERAGE:	1200 A	ISOLATED GROUND BUS (Y/N):	N	MCB SHUNT TRIP (Y/N):	N
MAIN:	1200 A MCB	BUSSING:	SEE SPEC	MCB 100% RATED (Y/N):	N

ITEM NO.	IDENTIFICATION	BREAKER FRAME	BREAKER TRIP	TYPE (*)	POLE	A	B	REMARKS
1	PANEL LDG	600 A	600 A	6	2	50867 VA	51268 VA	
2	PANEL LD	400 A	200 A		2	12578 VA	12788 VA	
3	PANEL RR	100 A	100 A		2	19917 VA	19062 VA	
4	PANEL GR1	100 A	100 A		2	6403 VA	7709 VA	
5	PANEL GYM	100 A	100 A		2	5978 VA	3783 VA	
6	PANEL EXISTING BBQ BUILDING	200 A	100 A		2	0 VA	0 VA	
7	PANEL EXISTING BUILDING	200 A	100 A		2	0 VA	0 VA	
8	SPACE	--	--		2	--	--	
9	SPACE	--	--		2	--	--	
10	SPACE	--	--		2	--	--	
					TOTAL CONNECTED LOAD:	95743 VA	94610 VA	
					TOTAL AMPS:	798 A	788 A	

Load Classification	Connected Load	Demand Factor	Demand Load	PANEL TOTALS	
Motor	62944 VA	103.43%	65104 VA		
HVAC	42290 VA	100.00%	42290 VA	TOTAL CONNECTED LOAD:	190353 VA
Lighting - Continuous	20210 VA	125.00%	25263 VA	TOTAL DEMAND:	184985 VA
Receptacle	31360 VA	65.94%	20680 VA	TOTAL CONNECTED CURRENT:	793 A
Kitchen Equip - Non-Dwelling Unit	27469 VA	93.08%	25568 VA	TOTAL DEMAND CURRENT:	771 A
Other Non-Continuous Load	400 VA	100.00%	400 VA		

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PANELBOARD C1-6

VOLTAGE:	240/120V	CONNECTED LOAD PER PHASE		ISOLATED GROUND BUS (Y/N):	N
PHASE/WIRE:	1Ø / 3W			BUSSING:	SEE SPEC
RATED AMPERAGE:	200 A	A	B	MOUNTING:	RECESSED
MAIN:	200 A MCB			MCB GROUND FAULT PROTECTION (Y/N):	N
SCC RATING (SYM):	22,000 AIC	16373 VA	15056 VA	MCB SHUNT TRIP (Y/N):	N
		136 A	125 A	MCB 100% RATED (Y/N):	N

CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	LIGHTING		20 A	1	545	1080			1	20 A		RECEPTACLE - BEDROOM	2
3	CEILING FAN/LIGHT		20 A	1			1200	1080	1	20 A		RECEPTACLE - BEDROOM	4
5	CEILING FAN/LIGHT		20 A	1	1200	720			1	20 A		RECEPTACLE - EXTERIOR	6
7	FIREPLACE		20 A	1			1000	900	1	20 A		RECEPTACLE - LIVING/DINING	8
9	EUH-3		20 A	1	504	1000			1	20 A		RECEPTACLE - MICROWAVE	10
11	GWH-1		20 A	1			600	1000	1	20 A		KITCHEN HOOD	12
13	HP-8		50 A	2	3168	1000			1	20 A		GARBAGE DISPOSAL	14
15							3168	540	1	20 A		RECEPTACLE - KITCHEN, MECH...	16
17	GF-8		20 A	1	1056	1200			1	20 A		RECEPTACLE - REFRIGERATOR	18
19	EF-16		20 A	1			128	540	1	20 A		RECEPTACLE - KITCHEN	20
21	SEPTIC TANK CONTROL PANEL*		20 A	2	500	4400			2	50 A		STOVE	22
23							500	4400					24
25	SPARE		20 A	1	0	0			1	20 A		SPARE	26
27	SPARE		20 A	1			0	0	1	20 A		SPARE	28
29	SPARE		20 A	1	0	0			1	20 A		SPARE	30
31	SPARE		20 A	1			0	0	1	20 A		SPARE	32
33	SPARE		20 A	1	0	0			1	20 A		SPARE	34
35	SPARE		20 A	1			0	0	1	20 A		SPARE	36
37	SPACE		--	1	--	--			1	--		SPACE	38
39	SPACE		--	1			--	--	1	--		SPACE	40
41	SPACE		--	1	--	--			1	--		SPACE	42

Load Classification	Connected Load	Demand Factor	Demand Load	PANEL TOTALS	
Motor	10520 VA	115.06%	12104 VA		
HVAC	1104 VA	100.00%	1104 VA	TOTAL CONNECTED LOAD:	31429 VA
Lighting - Continuous	2945 VA	125.00%	3681 VA	TOTAL DEMAND:	30819 VA
Receptacle	15860 VA	81.53%	12930 VA	TOTAL CONNECTED CURRENT:	131 A
				TOTAL DEMAND CURRENT:	128 A

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*PROVIDE CIRCUIT BREAKER FOR SEPTIC TANK CONTROL PANEL ON PANEL C-6, ONLY.

EXISTING PANELBOARD GYM

VOLTAGE:	*240/120V*	*CONNECTED LOAD PER PHASE*		*ISOLATED GROUND BUS (Y/N):*	*N*
PHASE/WIRE:	*1Ø / 3W*			*BUSSING:*	*SEE SPEC*
RATED AMPERAGE:	*100 A*	*A*	*B*	*MOUNTING:*	*RECESSED*
MAIN:	*100 A MCB*			*MCB GROUND FAULT PROTECTION (Y/N):*	*N*
SCC RATING (SYM):	*22,000 AIC*	*5978 VA*	*3783 VA*	*MCB SHUNT TRIP (Y/N):*	*N*
		50 A	*32 A*	*MCB 100% RATED (Y/N):*	*N*

CKT	*IDENTIFICATION*	*TYPE (*)*	*BKR SIZE*	*POLES*	*A*		*B*		*POLES*	*BKR SIZE*	*TYPE (*)*	*IDENTIFICATION*	*CKT*
1	**LIGHTING - GYM**		**20 A**	**1**	**128**	**1560**			**1**	**20 A**		**LIGHTING - EXTERIOR**	*2*
3	**LIGHTING - EXTERIOR**		**20 A**	**1**			**30**	**743**	**1**	**20 A**		**LIGHTING - EXTERIOR**	*4*
5	*(EXISTING) BASEMENT*		*20 A*	*1*	*1000*	*1000*			*1*	*20 A*		*(EXISTING) FAN*	*6*
7	*(EXISTING) DOOR OUTLET*		*20 A*	*1*			*180*	*1000*	*1*	*20 A*		*(EXISTING)*	*8*
9	*LST1 CONTROL PANEL*		*20 A*	*2*	*750*	*1000*			*1*	*20 A*		*EXISTING*	*10*
11							*750*	**540**	**1**	**20 A**		**RCPT**	*12*
13	*SPARE*		*20 A*	*1*	*0*	**540**			**1**	**20 A**		**RCPT**	*14*
15	*SPARE*		*20 A*	*1*			*0*	**540**	**1**	**20 A**		**RCPT**	*16*
17	*SPARE*		*20 A*	*1*	*0*	*0*			*1*	*20 A*		*SPARE*	*18*
19	*SPARE*		*20 A*	*1*			*0*	*0*	*1*	*20 A*		*SPARE*	*20*

Load Classification	Connected Load	Demand Factor	Demand Load	PANEL TOTALS	
Lighting - Continuous	2461 VA	125.00%	3076 VA		
Receptacle	1620 VA	100.00%	1620 VA	TOTAL CONNECTED LOAD:	9761 VA
				TOTAL DEMAND:	10376 VA
				TOTAL CONNECTED CURRENT:	41 A
				TOTAL DEMAND CURRENT:	43 A

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MIKE KEHOE
GOVERNOR

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WARREN RAY KOHM
NUMBER E-29041
REGISTERED PROFESSIONAL ENGINEER

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DEPARTMENT OF NATURAL
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PARKS

ADD CABINS & RENOVATE LODGE - CURRENT RIVER STATE PARK

Salem, Missouri

PROJECT #.: X2207-01

SITE #.: 5232

FACILITY NUMBERS:

Lodge	7815232001	(2B)Cabin C	7815232004
Large Dorm	7815232010	(2B)Cabin D	7815232005
Gymnasium	7815232011	(2B)Cabin E	7815232006
Game Room	7815232012	(2B)Cabin F	7815232007
Family Cabin	7815232013	(2B)Cabin G	7815232008
RR Building	7815232014	(2B)Cabin H	7815232009

DATE: DESCRIPTION:

DRAWN BY: TMT
CHECKED BY: WRK
DESIGNED BY: TLA

SHEET TITLE:

SCHEDULES

SHEET NUMBER:

E-604

SHEET 219 of 219
ISSUE DATE 11/26/2025

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