RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK PATTERSON, MO 63956



STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF STATE PARKS

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DESIGNER: CORE10 ARCHITECTURE

PROJECT NUMBER: X2319-01

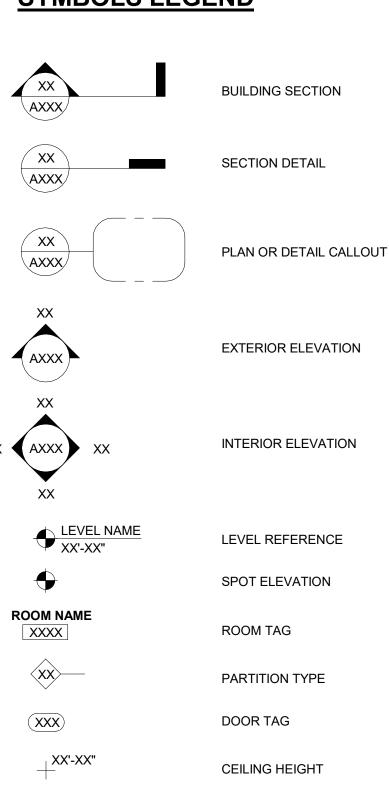
SITE NUMBER: 5218

ASSET NUMBER:

CABIN #1: 7815218008 CABIN #2: 7815218007 CABIN #3: 7815218022 CABIN #4: 7815218005 CABIN #14: 7815218003 CABIN #19: 7815218019

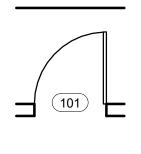
RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK

SYMBOLS LEGEND



NORTH ARROW	
TRUE NORTH ARROW	
EXISTING PARTITION TO BE DEMOLISHED	
EXISTING PARTITION TO REMAIN	
NEW PARTITION	

COLUMN DESIGNATION

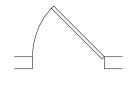


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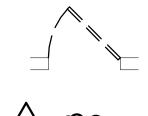
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EXISTING DOOR, FRAME, & HARDWARE TO REMAIN



REMOVE EXISTING DOOR, FRAME & HARDWARE

REVISED ITEM	

ROOM AREA SCHEDULE			
ROOM NO.	ROOM NAME	AREA	
CABIN #1	1		
101	LIVING / DINING ROOM	279 SF	
102	BEDROOM	136 SF	
103	BATHROOM	40 SF	
104	KITCHEN	42 SF	
CABIN #2			
101	LIVING / DINING ROOM	280 SF	
102	BEDROOM	136 SF	
103	BATHROOM	40 SF	
104	KITCHEN	37 SF	
CABIN #3	LIVINO / DININO DOOM	200 05	
101	LIVING / DINING ROOM	280 SF	
102	BEDROOM	140 SF	
103	BATHROOM	40 SF	
104	KITCHEN	40 SF	
CABIN #4	I		
101	LIVING / DINING ROOM	280 SF	
102	BEDROOM	138 SF	
103	BATHROOM	40 SF	
104 KITCHEN 40 SF		40 SF	
CABIN #14			
101	LIVING / DINING ROOM	280 SF	
102	BEDROOM	138 SF	
103	BATHROOM	40 SF	
104	KITCHEN	40 SF	
CABIN #19			
101	LIVING / DINING ROOM	226 SF	
102	KITCHEN	67 SF	
103	MECH.	10 SF	
104	BATHROOM	38 SF	
105	BEDROOM	133 SF	

AREA SCHEDULE (GROSS)			
CABIN NAME	GROSS AREA		
CABIN #1	621 SF		
CABIN #2	621 SF		
CABIN #3	630 SF		
CABIN #4	628 SF		
CABIN #14	628 SF		
CABIN #19	554 SF		

AREA SCHEDULE (NET)				
CABIN NAME NET AREA				
CABIN #1	540 SF			
CABIN #2	535 SF			
CABIN #3	544 SF			
CABIN #4	541 SF			
CABIN #14	541 SF			
CABIN #19	489 SF			

	ALTERNATE SCHEDULE		
ALTERNATE # SHEET # DESCRIPTION			
	1	5/A-101	SYTHETIC SHAKE SHINGLE ROOFING
	2	A-411	PRE-MANUFACTURED FIREPLACE INSERT WITHIN EXISTING OPENING
	3	4/A-101 & A-411	WAINSCOT AT RANDOM WIDTH 4,6,8 PATTERN
	4	REFER TO CIVIL & ARCH DRAWINGS	CIVIL SITE WORK AND CONC. STOOPS AS SHOWN ON ARCH FLOOR PLANS

SHEET INDEX

GENERAL

G-000	COVER SHEET
G-001	PROJECT DESCRIPTION
G-002	CODE INFORMATION AND CONSTRUCTION SEQUENCING

<u>CIVIL</u>	
C-001	CIVIL GENERAL INFORMATION
C-002	CIVIL GENERAL NOTES
C-100.1	OVERALL DEMOLITION PLAN (NORT
C-100.2	OVERALL DEMOLITION PLAN (SOUT
C-101	DEMOLITION PLAN (CABIN 1)
C-102	DEMOLITION PLAN (CABIN 2)
C-103	DEMOLITION PLAN (CABIN 4)
C-104	DEMOLITION PLAN (CABIN 14)
C-105	DEMOLITION PLAN (CABIN 19)
C-200.1	OVERALL SITE PLAN (NORTH)
C-200.2	OVERALL SITE PLAN (SOUTH)
C-201	SITE PLAN (CABIN 1)
C-202	SITE PLAN (CABIN 2)
C-203	SITE PLAN (CABIN 4)
C-204	SITE PLAN (CABIN 14)
C-205	SITE PLAN (CABIN 19)
C-300	CIVIL DETAILS

ARCHITECTURAL

ANG	HILCIUNAL
A-101	CABIN #1 - FLOOR PLANS
A-102	CABIN #2 - FLOOR PLANS
A-103	CABIN #3 - FLOOR PLANS
A-104	CABIN #4 - FLOOR PLANS
A-105	CABIN #14 - FLOOR PLANS
A-106A	CABIN #19 - FLOOR PLANS - DEMOLITION
A-106B	CABIN #19 - FLOOR PLANS
A-201A	CABIN #1 - EXTERIOR ELEVATIONS - NORTH, SOUTH, AND W
A-201B	CABIN #1 - EXTERIOR ELEVATIONS AND BUILDING SECTION
A-202A	CABIN #2 - EXTERIOR ELEVATIONS - NORTH AND SOUTH
A-202B	CABIN #2 - EXTERIOR ELEVATIONS - EAST AND WEST
A-203A	CABIN #3 - EXTERIOR ELEVATIONS - NORTH AND SOUTH
A-203B	CABIN #3 - EXTERIOR ELEVATIONS - EAST AND WEST
A-204A	CABIN #4 - EXTERIOR ELEVATIONS - NORTH AND SOUTH
A-204B	CABIN #4 - EXTERIOR ELEVATIONS - EAST AND WEST
A-205A	CABIN #14 - EXTERIOR ELEVATIONS - NORTH AND SOUTH
A-205B	CABIN #14 - EXTERIOR ELEVATIONS - EAST AND WEST
A-206	CABIN #19 - EXTERIOR ELEVATIONS

INTERIOR ELEVATIONS A-412 INTERIOR ELEVATIONS A-501 SITE DETAILS

EXTERIOR DETAILS EXTERIOR DETAILS A-503 A-601 SCHEDULES AND PARTITION TYPES A-602 WINDOW SCHEDULE

PLUMBING

PLUMBING PLANS PLUMBING SPECIFICATIONS AND DETAILS

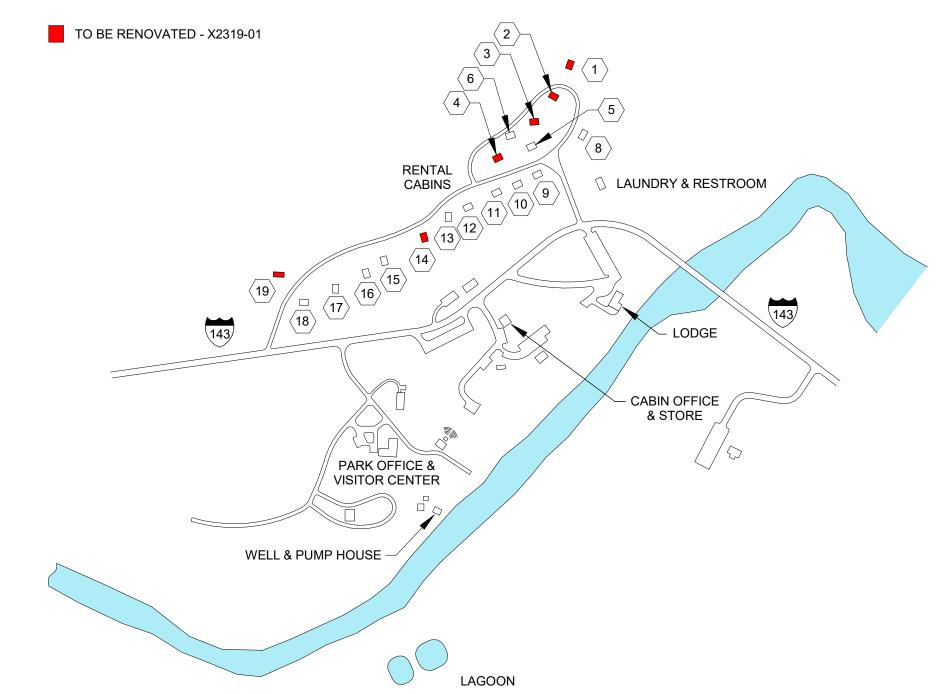
MECHANICAL

M-100	MECHANICAL PLANS
M-200	MECHANICAL PLANS
M-300	MECHANICAL DETAILS

ELECTRICAL

ELECTRICAL POWER AND LIGHTING PLAN

PATTERSON, MO





PROJECT DESCRIPTION

1. DESCRIPTION OF PROJECT:

THE PROJECT "RENOVATE CABINS SAM A. BAKER STATE PARK" CONSISTS OF THE RENOVATION OF 6 HISTORIC CABINS IN SAM A. BAKER STATE PARK. THE CABINS WERE CONSTRUCTED IN THE 1930'S BY THE CIVILIAN CONSERVATION CORPS (CCC) AND ARE EXAMPLES OF RUSTIC ARCHITECTURE EMPLOYED BY THE CCC. THE CABINS ARE WELL MAINTAINED BUT HAVE BEEN MODIFIED OVER THE YEARS ERODING SOME OF THE HISTORIC DETAILS. A 1970'S RENOVATION ADDED A SEPARATE BEDROOM, BATH, AND KITCHEN TO EACH CABIN WITH COMPLEMENTARY ARCHITECTURAL DESIGN.

5 OF THE SUBJECT CABINS ARE THE ORIGINAL STONE WITH THE 1970'S ADDITION ADDED TO THE REAR OF THE CABIN WITH FRAME CONSTRUCTION SHEATHED IN WOOD LAP SIDING. THE ADDITIONS HAVE A BEDROOM, BATH, AND SMALL KITCHEN. THE ORIGINAL STONE CABINS MAINTAIN THE HISTORIC "SINGLE ROOM" DESIGN AND CONTAIN A LARGE STONE FIREPLACE AND HEARTH. WINDOWS, DOORS AND HEARTH AND MANTLE APPEAR TO BE ALL ORIGINAL. 4X8 WOOD VENEER PANELING WAS ADDED TO THE INTERIOR OF THE HISTORIC CABINS LATER.

THE 6TH CABIN IS OF DIFFERENT LATER CONSTRUCTION. IT IS COMPLETELY FRAMED WITH WOOD SIDING. THE LAYOUT DIFFERS THOUGH IT MAINTAINS THE SAME ROOM FUNCTIONS. IT HAS A LARGER FRONT PORCH AND SITS ON THE SITE SUCH THAT IT NEEDS RETAINING

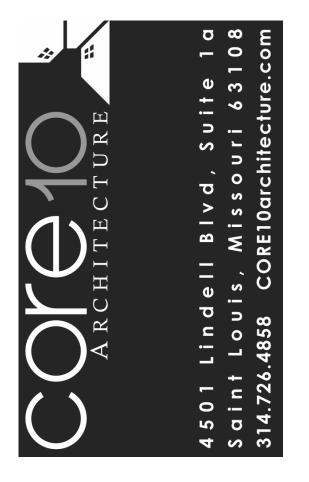
THE INTENT OF THE RENOVATION IS TO RESTORE THE HISTORIC NUANCES TO THE CABINS WHILE MAINTAINING AND IMPROVING THEIR FUNCTIONALITY FOR GUEST USE. KITCHENS WILL BE UPDATED TO MODERN APPLIANCES, APPROPRIATE FINISHES, AND BETTER FUNCTIONAL USE. BATHROOMS WILL BE UPGRADED TO MODERN FINISHES AND FIXTURES MECHANICAL SYSTEMS WILL BE UPGRADED AND BETTER CONCEALED TO ALLOW BETTER DISTRIBUTION THROUGH OUT UNIT. ELECTRICAL SYSTEMS WILL BE 100% REPLACED WITH MODERN RELIABLE SYSTEMS. FINISHES FROM THE 1970'S ADDITION AND RENOVATION WILL BE REPLACED WITH A MORE APPROPRIATE HISTORIC FINISH. HISTORIC WINDOWS, DOORS AND EXTERIOR FINISH WILL BE RESTORED. NON HISTORIC WINDOWS, DOORS AND LIGHT FIXTURES WILL BE REPLACED WITH NEW HISTORICALLY APPROPRIATE ELEMENTS.

STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



ROBERT WILSON WAGSTAFF - ARCHITEC

PROFESSIONAL SEAL



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF

STATE PARKS

PROJECT TITLE RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143

PATTERSON, MO 63956

PROJECT # X2319-01 5218 ASSET# CABIN #1: 7815218008 CABIN #2: 7815218007 7815218022 CABIN #3: CABIN #4: 7815218005 7815218003 CABIN #14: 7815218019 CABIN #19:

DATE # REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE: DRAWN BY: CHECKED BY: DESIGNED BY:

SHEET TITLE:

PROJECT DESCRIPTION

SHEET NUMBER:

PROJECT DATA

PROJECT DESIGN INFORMATION

RENOVATION OF A RENTAL CABIN

EXISTING - 1 STORY STONE AND FRAME SLAB ON GRADE

ALL SQUARE FOOTAGES ARE GROSS INTERIOR SF

FIRST FLOOR +/- 558 SF TOTAL +/- 558 SF

CODE INFORMATION

THE FOLLOWING CODES ARE TO BE ADHERED TO ALONG WITH ANY LOCALLY IMPOSED CODES AND OR REGULATIONS

ICC - INTERNATIONAL CODE COUNCIL

CHAPTER 34 EXISTING BUILDINGS AND STRUCTURES IEBC – INTERNATIONAL EXISTING BUILDING CODE 2018

IECC - INTERNATIONAL ENERGY CONSERVATION CODE 2021 (COMCHECK COMPLIANCE FORMS)

2019 ASHRAE 90.1

TITLE III 6.4000 – ALTERATIONS: HISTORIC PRESERVATION

2017 ANSI A117.1

DEPARTMENT OF JUSTICE, CODE OF REGULATIONS, 28 CFR

 ADA STANDARDS FOR ACCESSIBLE DESIGN 4.1.7 ACCESSIBLE BUILDING: HISTORIC PRESERVATION

NATIONAL REGISTER OF HISTORIC PLACES SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES AND GUIDELINES FOR PRESERVING, REHABILITATING, AND

RECONSTRUCTING HISTORIC BUILDINGS. NATIONAL HISTORIC PRESERVATION ACT OF 1966 & 106

ADVISORY COUNCIL ON HISTORIC PRESERVATION 36 CFR PART 800

SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES 36 CFR PART 68

NFPA – NATIONAL FIRE PROTECTION AGENCY 2016

• 13R – RESIDENTIAL PARTIALLY SPRINKLERED

• 13 – FULLY SPRINKLED TO GET PEOPLE OUT SAFELY AND CONTROL OR EXTINGUISH THE FIRE.

NFPA 101 – LIFE SAFETY CODE

NEC – NATIONAL ELECTRIC CODE 2020

IBC – INTERNATIONAL BUILDING CODE 2021

IPC – INTERNATIONAL PLUMBING CODE 2021 IMC – INTERNATIONAL MECHANICAL CODE 2021

BOCA – BUILDING OFFICIALS CODE ADMINISTRATORS INTERNATIONAL – USED ON THE EAST COAST AND THROUGHOUT THE MIDWEST OF THE UNITED STATES

ASTM – MATERIALS TESTING - SLIP RESISTANT RATING

REQUIRED FIRE SAFETY

SMOKE DETECTOR

WITHIN ALL BEDROOMS AND ONE PER FLOOR - PROVIDE CARBON MONOXIDE DETECTOR @ MECH & ONE PER FLOOR

EGRESS

EMERGENCY EGRESS WINDOWS AT BEDROOMS TO MEET THE FOLLOWING CRITERIA

Minimum width of opening: 20 in.

Minimum height of opening: 24 in.
Minimum net clear opening: 5.7 sq. ft.

2018 INTERNATIONAL EXISTING BUILDING CODE

CHAPTER 7	CHAPTER 7 ALTERATIONS - LEVEL 1			
SECTION	DESCRIPTION	ACTION		
701.4	Emergency escape and rescue openings	Shall be operational from inside w/o use of keys or tools. Bars, grills, grates shall comply with min. net clear opening size req by the code that was in effect at the time of construction, shall be releasable from inside w/o use of keys, tools, force greater that req. for normal operation of rescue opening, shall not reduce net clear opening of rescue opening. Smoke alarms shall be installed in accordance with Section 907.2.10 of IBC		
702.4	Window opening control devices, building elements and materials	Group R-2 dwelling units, window opening control device complying with ASTM F 2090 shall be installed where an existing window is being replaced where the window complies with requirements of this section		
703.1	Fire protection	Maintain the level of fire protection provided		
704.1	Means of egress	Maintain the level of protection provided for the means of egress		
705	Reroofing	Applicable		
707.1	Energy conservation, minimum requirements	Alterations shall conform to energy requirements of IECC a they relate to new construction only		

STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



ROBERT WILSON WAGSTAFF - ARCHITECT MO# A-7340 STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE

NO. 000639

PROFESSIONAL SEAL



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

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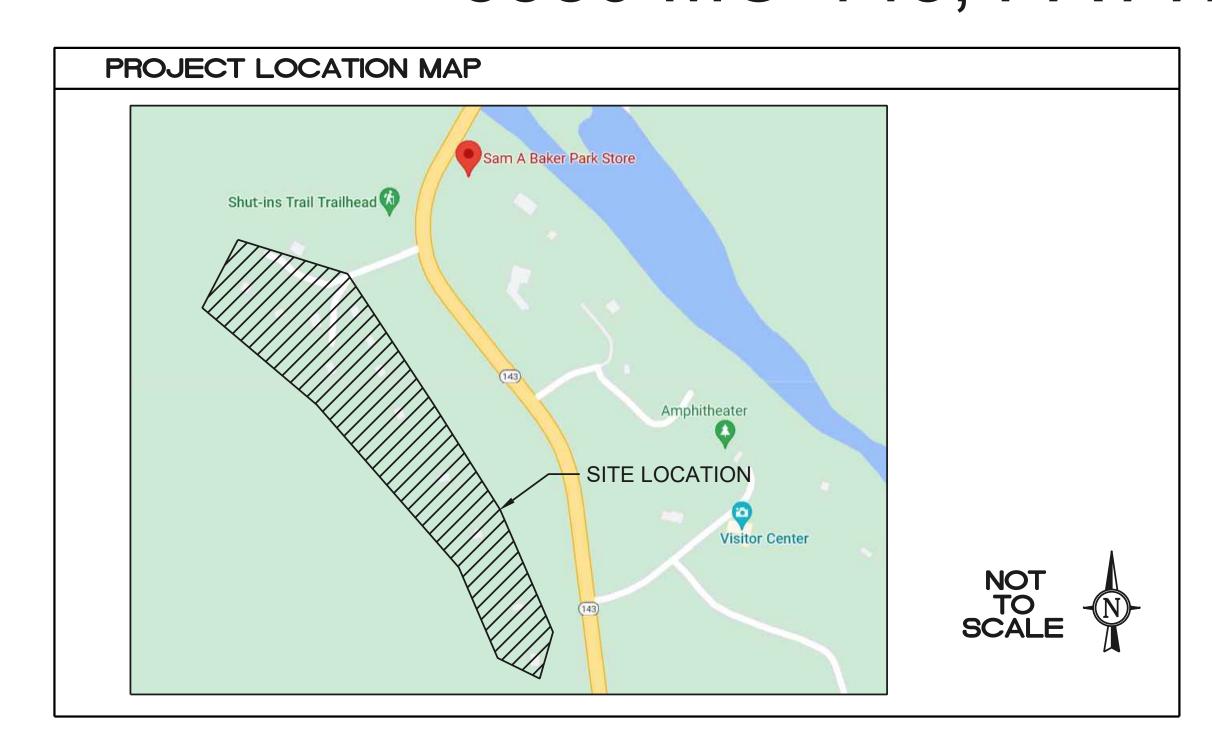
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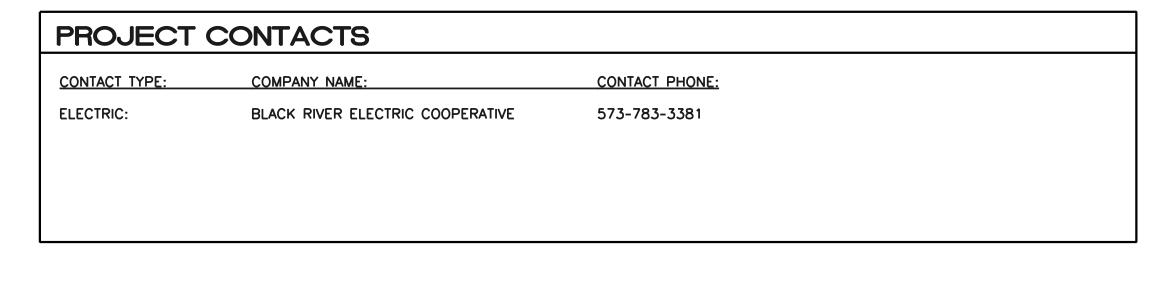
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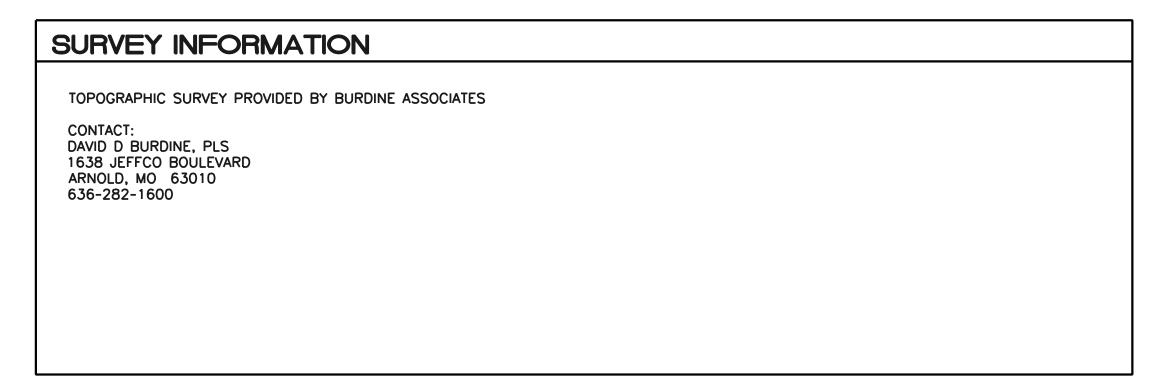
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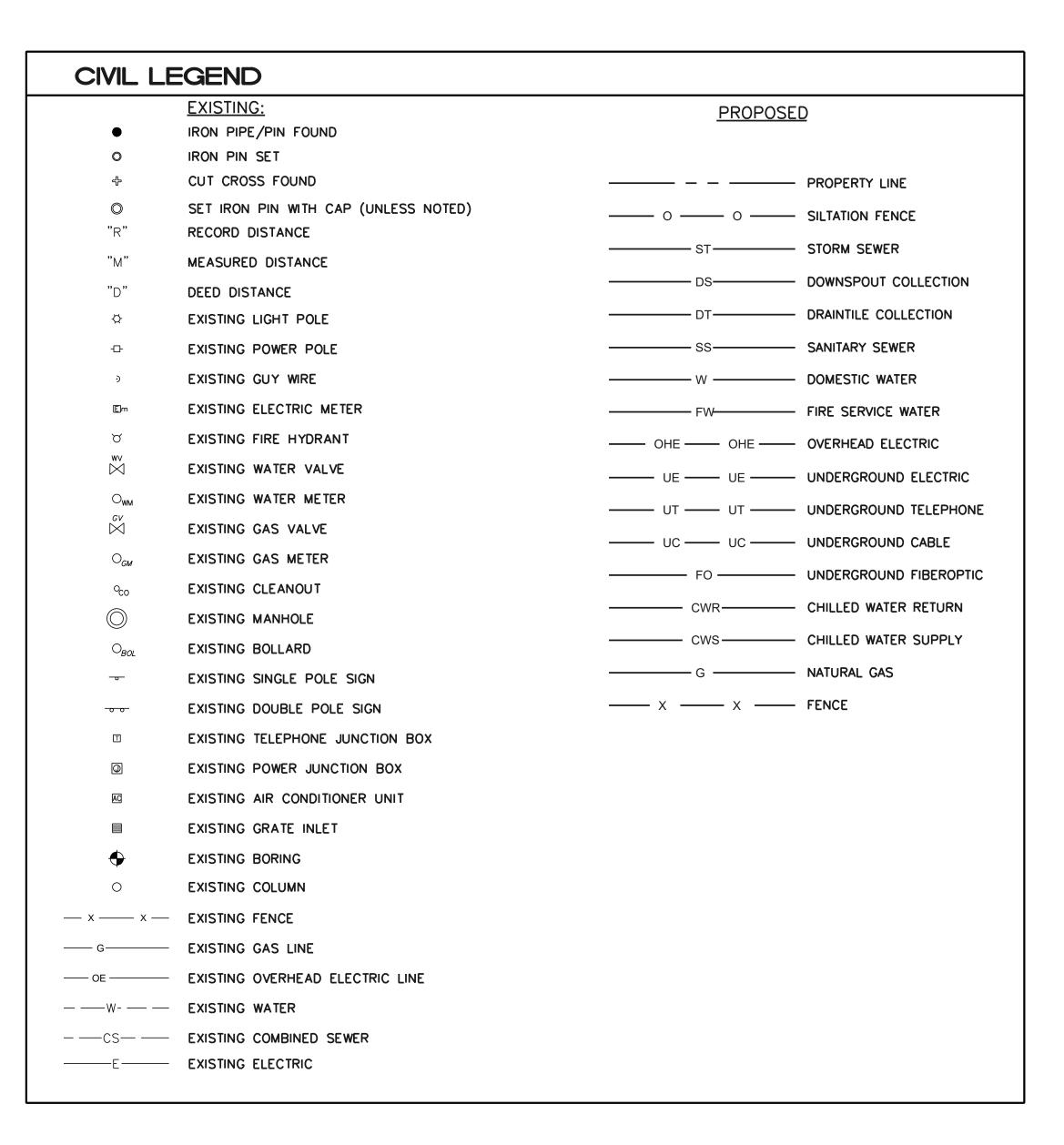
SAM A BAKER STATE PARK - CABIN RENOVATIONS 5580 MO-143, PATTERSON, MO 63956







CIVIL ABB	REVIATIONS		
ASPH	ASPHALT	OHE	OVERHEAD ELECTRIC
ADG	ADJUST TO GRADE	ORD	ORDINANCE
BC	BACK OF CURB	OU	OVERHEAD UTILITY
BIT	BITUMINOUS	PB	PLAT BOOK
BK	BOOK	PC	POINT OF CURVATURE
ВМ	BENCHMARK	PCA	PORTLAND CONCRETE ASSOCIATION
BOP	BEGINNING OF PROJECT	PCC	PORTLAND CEMENT CONCRETE
BW	BOTTOM OF WALL	PCH	PIPE CULVERT HEADWALLS
CL	CENTERLINE	PG	PAGE
CI	CURB INLET	PI	POINT OF INTERSECTION
CJ	CONSTRUCTION JOINT	PIV	POST INDICATOR VALVE
СМР	CORRUGATED METAL PIPE	PL	PROPERTY LINE
СО	CLEANOUT	PP	POWER POLE
CONC	CONCRETE	PROP	PROPOSED
CPR	COPPER PIPE	PSI	POUNDS PER SQUARE INCH
CS	COMBINED SEWER	PT	POINT OF TANGENT
CT	COOLING TOWER	PVC	POINT OF VERTICAL CURVE,
D	DEGREE OF CURVE		POLYVINYL CHLORIDE PIPE
DI	DUCTILE IRON PIPE	PVI	POINT OF VERTICAL INTERSECTION
DIA	DIAMETER	PVMT	PAVEMENT
DIM	DIMENSION	PVT	POINT OF VERTICAL TANGENT
DND	DO NOT DISTURB	R, RAD	RADIUS
DS	DOWNSPOUT	RCP	REINFORCED CONCRETE PIPE
DW	DOMESTIC WATER	RD	ROADWAY
ELEC	ELECTRIC	ROW	RIGHT OF WAY
ELEV EOP	ELEVATION	RTE SP	ROUTE SPACES
	EDGE OF PAVEMENT EXISTING	SPEC	SPECIFICATION
EX, EXIST EJ	EXPANSION JOINT	SS, SA	SANITARY SEWER
ET	ELECTRIC TRANSFORMER	ST	STORM SEWER
FF	FINISH FLOOR	STA	STATION
FH	FIRE HYDRANT	STL	STEEL PIPE
FL	FLOW LINE	TBA	TO BE ABANDONED
FO	FIBER OPTIC	TBA&F	TO BE ABANDONED AND FILLED
FP	FIRE PROTECTION	TBR	TO BE REMOVED
FW	FIRE WATER	TBR&R	TO BE REMOVED AND REPLACED
G	NATURAL GAS	TBR&S	TO BE REMOVED AND SALVAGED
GM	GAS METER	TC	TOP OF CURB
GV	GAS VALVE	TELE	TELEPHONE
HORIZ	HORIZONTAL	TI	TOP OF INLET
ID	INSIDE DIAMETER	TW	TOP OF WALL
INV	INVERT	TYP	TYPICAL
L	LENGTH OF CURVE	UG	UNDERGROUND
MAX	MAXIMUM	UGE	UNDERGROUND ELECTRIC
MEP	MECHANICAL/ELECTRICAL/PLUMBING	UGT	UNDERGROUND TELEPHONE
MH	MANHOLE	UIP	USE IN PLACE
MIN	MINIMUM	VAC	VACATED
MISC	MISCELLANEOUS	VCP	VITRIFIED CLAY PIPE
MON N	MONUMENT NORTH	VERT W	VERTICAL WATER
N NIC	NOT IN CONTRACT	W W/	WATER
NO NO	NUMBER	WM	WATER METER
NTS	NOT TO SCALE	WV	WATER METER WATER VALVE
OC	ON CENTER	WWF	WELDED WIRE FABRIC
OD	OUTSIDE DIAMETER	UNO	UNLESS NOTED OTHERWISE
OH	OVERHEAD	3.10	Site Strain Stra



STATE OF MISSOURI MIKE KEHOE, GOVERNOR



JOHN E FALK - CIVIL ENGINEER
MO PE-2003001031

STATE OF MISSOURI
CIVIL DESIGN, INC.
ENGINEERING CORPORATION
MISSOURI STATE CERTIFICATE OF AUTHORITY

PROFESSIONAL SEAL



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143

PATTERSON, MO 63956

SITE # 5218

ASSET #

CABIN #1: 7815218008

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CABIN #3: 7815218022

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PROJECT # X2319-01

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ISSUEDATE: 11/20/25

CAD DWG FILE:
DRAWN BY:
CHECKED BY:
DESIGNED BY:
JEF

SHEET TITLE:

CIVIL GENERAL INFORMATION

SHEET NUMBER:

C-00

DEMOLITION NOTES:

- 1. AREAS SURROUNDING THIS SITE WILL CONTAIN BOTH PEDESTRIAN AND VEHICLE TRAFFIC. ALL NECESSARY CARE SHALL BE TAKEN BY THE CONTRACTOR TO ENSURE THE SAFETY OF THE GENERAL PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND MAINTAINING SAFE AND EFFICIENT PROJECT LIMITS. THE CONTRACTOR SHALL FOLLOW ALL FEDERAL, STATE, AND LOCAL GUIDELINES WITH REGARDS TO CONSTRUCTION SAFETY THROUGHOUT THE ENTIRE DURATION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY BREACHES OF SAFETY OR DESTRUCTION OF PROPERTY RELATED TO THE CONSTRUCTION OF THIS PROJECT.
- 2. UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THAT THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION BEFORE EXCAVATION OR TRENCHING TO AVOID DAMAGE THERETO.
- 3. ANY PAVEMENT INDICATED TO BE REMOVED SHALL BE REMOVED COMPLETELY. THIS INCLUDES ANY AND ALL GRANULAR BASE ENCOUNTERED.
- 4. ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF ACCORDING TO ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
- 5. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS NOT TO DAMAGE ANY EXISTING SITE FEATURES TO REMAIN. IF ANY DAMAGE OCCURS, THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE IMMEDIATELY. THE CONTRACTOR SHALL REPAIR ALL DAMAGED ITEMS TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.

UTILITY NOTES:

- I. LOCATE EXISTING UNDERGROUND UTILITIES AND SEWERS IN AREAS OF WORK PRIOR TO STARTING OPERATIONS. WHEN UTILITIES ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF PROTECTION DURING OPERATIONS. SHOULD UNKNOWN UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONTRACTOR SHALL NOTIFY THE OWNERS REPRESENTATIVE IMMEDIATELY FOR FURTHER DIRECTION.
- 2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 10' BETWEEN ANY WATER LINE AND ANY SANITARY SEWER LINE. THIS DIMENSION IS FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
- 3. CONTRACTOR SHALL PROVIDE TEMPORARY COVERS FOR ANY EXCAVATIONS LEFT UNATTENDED FOR ANY PERIOD OF TIME.
- 4. TOP ELEVATIONS OF ALL PROPOSED AND EXISTING UTILITY STRUCTURES HAVE BEEN DESIGNED TO MATCH FINISH GRADE. IF FIELD FINISH GRADE DIFFERS FROM DESIGN TOP ELEVATIONS SHOWN ON THESE PLANS, NOTIFY THE ENGINEER IMMEDIATELY.
- 5. CONTRACTOR TO BE RESPONSIBLE FOR VERIFYING AND APPLYING UTILITY SERVICE WITH EACH UTILITY COMPANY PRIOR TO STARTING CONSTRUCTION.
- 6. THE SIZE AND LOCATION OF EXISTING UTILITIES SHOWN ARE PER INFORMATION PROVIDED BY THE SURVEY AND RESPECTIVE UTILITY COMPANIES. ALL UTILITY COMPANIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION FOR FIELD LOCATION OF SERVICES.
- 7. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO THEIR PHASE OF WORK. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATION FOR EACH UTILITY BEFORE WORK IS STARTED. THE CONTRACTOR SHALL NOTIFY, IN WRITING, THE OWNER AND THE ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN THE FIELD BEFORE WORK IS STARTED OR RESUMED.
- 8. ANY PART OF THE UTILITY PIPE TRENCHES RUNNING WITHIN 2 FEET OF PAVED AREAS SHALL BE BACKFILLED WITH GRANULAR MATERIAL.
- CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES AND LANDSCAPING.
- 10. REMOVE AND BACKFILL ALL AREAS WHERE ANY FIELD TILE CROSSES PROPOSED BUILDING PAD. ALL FIELD TILES INTERCEPTED TO BE PERPETUATED INTO THE STORM SEWER SYSTEM. THE CONTRACTOR SHALL NOTIFY, IN WRITING, THE OWNER AND THE ENGINEER IN ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.
- 11. CONTRACTOR SHALL SUPPLY ALL TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
- 12. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
- 13. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING PLAN SHEETS FOR CONTINUATION OF UTILITIES WITHIN 5 FEET OF STRUCTURES.
- 14. PAVEMENTS, WALKS, CURBS, AND OTHER SURFACE IMPROVEMENTS REQUIRING REMOVAL FOR INSTALLATION OF UNDERGROUND UTILITIES SHALL BE RESTORED TO THEIR PRESENT CONDITION.
- 15. CONTRACTOR TO PROVIDE THE NECESSARY CONDUIT TO PROPERLY RUN AND FEED THE PROPOSED SITE LIGHTING PRIOR TO PAVING.
- 16. MANHOLES, CATCH BASINS, CLEANOUTS, VALVE BOXES, FRAMES, COVERS AND GRATES REMAINING IN USE SHALL BE PROTECTED AND ADJUSTED TO FINAL GRADES.

SITE NOTES:

- 1. ALL RADII AND OTHER DIMENSIONS FOR PAVEMENT AND WALK ARE TO THE EDGE OF PAVEMENT, EDGE OF WALK AND/OR BACK OF CURB.
- 2. CIVIL DRAWINGS SHALL NOT BE USED TO LOCATE OR CONSTRUCT BUILDING FOOTINGS, FOUNDATIONS, OR ANY OTHER STRUCTURE(S) ASSOCIATED WITH THE BUILDING(S). FOR LOCATION AND CONSTRUCTION OF BUILDING FOOTINGS, FOUNDATIONS, ETC., REFER TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- ALL DIMENSIONS ARE TO OUTSIDE FACE OF BRICK OR FACING MATERIAL. WHERE APPLICABLE.
- 4. BEARINGS, DIMENSIONS, AND EASEMENTS ARE SHOWN FOR REFERENCE. REFER TO RECORDED PLATS AND SURVEYS FOR ADDITIONAL PROPERTY INFORMATION.
- 5. SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS & LAYOUT.
- 6. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO THEIR PHASE OF WORK. IT SHALL ALSO BE THE CONTRACTORS RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATIONS FOR EACH UTILITY BEFORE WORK IS STARTED. THE CONTRACTOR SHALL NOTIFY IN WRITING THE OWNER OR THE ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN THE FIELD BEFORE WORK IS STARTED OR RESUMED.
- 7. ALL SIDEWALK, CURB AND GUTTER, STREET PAVING, CURB CUTS, DRIVEWAY APPROACHES, HANDICAP RAMPS, ETC. CONSTRUCTED OUTSIDE THE PROPERTY LINE IN THE RIGHT-OF-WAY SHALL CONFORM TO ALL MUNICIPAL AND/OR STATE SPECIFICATIONS AND REQUIREMENTS.
- 8. FOR AREAS OUTSIDE THE PROPERTY LINES, REPAIR AND/OR REPLACE ALL DAMAGE DONE TO EXISTING ELEMENTS (SIDEWALKS, PAVING, LANDSCAPING, ETC.) AS REQUIRED BY OWNER AND/OR GOVERNING AUTHORITY.
- 9. PROOF ROLL BUILDING AND ALL PARKING AREAS. NOTIFY THE ENGINEER OF ANY UNACCEPTABLE AREAS.
- 10. EDGE OF NEW PAVEMENT TO BE FLUSH WITH EXISTING PAVEMENT.
- 11. SIDEWALK EXPANSION JOINTS ARE TO BE PLACED AT ALL WALK INTERSECTIONS AND BETWEEN WALKS AND PLATFORMS. SIDEWALK SCORES AND CONTROL JOINTS ARE TO BE EQUALLY SPACED BETWEEN EXPANSION JOINTS AND PERPENDICULAR TO SIDEWALKS AT 4' INTERVALS OR LESS WITH AN EXPANSION JOINT EVERY 20' OR LESS. BROOM FINISH WITH &" PER FOOT SLOPE FOR DRAINAGE.
- 12. CONCRETE PAVEMENT MARKING LINES SHALL BE 4" WIDE PAINTED WHITE WITH TWO (2) COATS OF SHERWIN WILLIAMS "HOTLINE" FAST DRYING TRAFFIC MARKING PAINT. HANDICAP PARKING & HANDICAP SYMBOLS SHALL BE PAINTED COLOR & SIZE AS REQUIRED BY GOVERNING ACCESSIBILITY CODE.
- 13. UNLESS OTHERWISE SHOWN, PERMANENT SIGNS SHALL BE MOUNTED ON A SINGLE U-CHANNEL DRIVE POST DRIVEN 42 INCHES BELOW GRADE. THE BOTTOM EDGE OF THE SIGN SHALL BE 6 FEET ABOVE THE NEAREST PAVEMENT EDGE ELEVATION.
- 14. ALL EXCAVATED AREAS TO BE SEEDED AND/OR SODDED AFTER FINISH GRADING UNLESS OTHERWISE NOTED. ALL NEWLY SODDED/SEEDED AREAS SHALL HAVE A MINIMUM OF 4" TOPSOIL. HOLD SOIL DOWN 1" FROM PAVEMENT ELEVATION. CONTRACTOR TO SUPPLY STRAW MULCH WHERE GRASS SEED HAS TO BE PLANTED.
- 15. RESURFACE OR RECONSTRUCT AT LEAST TO ORIGINAL CONDITIONS ALL AREAS WHERE TRAFFIC BY CONTRACTORS, SUBCONTRACTORS, OR SUPPLIERS HAVE DAMAGED EXISTING PAVEMENT, LAWNS, OR OTHER IMPROVEMENTS DURING CONSTRUCTION, AFTER CONSTRUCTION WORK IS COMPLETE.
- 16. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
- 17. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL, STATE, COUNTY, CITY, OR LOCAL REQUIREMENTS, WHICHEVER HAS JURISDICTION.
- 18. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER
- 19. PARKING LOT GRADING SHALL NOT EXCEED 5% MAX. CROSS SLOPE.
- 20. BASE OF PARKING LOT LIGHT POLES SHALL REMAIN UNPAINTED AND RUBBED SMOOTH. BASE SHALL BE 22" TALL FROM FINISHED GRADE.
- 21. SITE SHALL COMPLY WITH ALL ADA ACCESSIBLE REGULATIONS.
- 22. SIDEWALKS ALONG ACCESSIBLE ROUTE SHALL NOT HAVE A SLOPE EXCEEDING 1:20.
- 23. SITE LIGHTING SHALL BE INSTALLED SO AS NOT TO CAST LIGHT DIRECTLY ON PUBLIC RIGHT-OF-WAY OR ADJOINING PROPERTY. ALL EXTERIOR LIGHTING MUST BE IESNA RATED CUT-OFF OR FULL CUT-OFF FOR USE ON THE SITE.
- 24. UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THAT THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION BEFORE EXCAVATION OR TRENCHING TO AVOID DAMAGE THERETO.
- 25. ANY UTILITY CONNECTIONS SHALL BE COMPLETED TO THE APPROPRIATE STANDARDS OF EACH RESPECTIVE UTILITY COMPANY.

GRADING NOTES:

- 1. INTERIM STORM WATER DRAINAGE CONTROL IN THE FORM OF SILTATION CONTROL MEASURES ARE REQUIRED.
- 2. NO SLOPES SHALL EXCEED 3H:1V.
- 3. PROPOSED ELEVATIONS SHOWN ON PLAN ARE FINISH GRADE ELEVATIONS.
- 4. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS DURING COMPACTION OF BACKFILL MATERIALS OVER THE TOP OF STRUCTURES OR PIPES IN ORDER TO PREVENT ANY DAMAGE TO BELOW GRADE STRUCTURES
- 5. CLEARING TECHNIQUES THAT RETAIN VEGETATION TO THE MAXIMUM EXTENT PRACTICAL SHALL BE USED, AND THE TIME PERIOD FOR DISTURBED AREAS TO BE WITHOUT VEGETATIVE COVER SHALL BE MINIMIZED TO THE EXTENT PRACTICAL.
- 6. WHEN ANY GRADING OCCURS PRIOR TO FINAL GRADING, THE SITE SHALL AT ALL TIMES BE MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- 7. ALL EXCESS EARTHWORK MATERIALS SHALL BE HAULED OFF-SITE AND DISPOSED OF IN A LEGAL MANNER.
- 8. CONTRACTOR SHALL INSTALL PERMANENT TURF REINFORCEMENT MATS ON ALL FINISH GRADED SLOPES BETWEEN 3H:1V AND 5H:1V.
- 9. PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL HOLD ROUGH GRADES DOWN TO ACCOMMODATE THE REQUIRED DEPTH OF TOPSOIL IN ORDER TO ACHIEVE FINISH GRADE. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TOPSOIL OVER AND ABOVE THE AMOUNT THAT MAY HAVE BEEN PREVIOUSLY STRIPPED DURING CLEARING OPERATIONS.
- 10. ALL DISTURBED AREAS SHALL BE SEEDED, SODDED, PLANTED, PAVED, OR OTHERWISE SURFACED WITHIN 14 DAYS OF COMPLETION OF EACH PHASE OF WORK
- 11. ALL GRADING ACTIVITY SHALL BE CONDUCTED BETWEEN THE HOURS OF 7AM AND 7PM, MONDAY THROUGH SATURDAY.
- 12. NO GRADING SHALL BE COMPLETED ON ANY PROPERTY WHICH WILL ADVERSELY AFFECT NEIGHBORING PROPERTIES BY DISCHARGING, DIRECTING, OR OBSTRUCTING WATER FLOW IN SUCH A WAY THAT IT CAUSES DAMAGE. ALL STORMWATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. A SINKHOLE IS NOT AN ADEQUATE DISCHARGE POINT.
- 13. CONTRACTOR TO REFERENCE GEOTECHNICAL REPORT FOR REMOVAL AND REPLACEMENT OF ALL UNSUITABLE FILL LOCATED UNDER THE PROPOSED ADDITIONS AND ANCILLARY STRUCTURES. REMOVAL AND REPLACEMENT SHOULD BE UNDERTAKEN IN A CONTROLLED MANNER. SEE GEOTECHNICAL REPORT AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

EROSION CONTROL NOTES:

- 1. CONTRACTOR SHALL ERECT SILTATION DEVICES IN LOCATIONS SHOWN ON THE PLANS FOR PROPER EROSION CONTROL. THIS EROSION CONTROL PLAN SHALL BE USED AS A GUIDE TO PROPER EROSION AND SILTATION COLLECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY COLLECT IN EXISTING OR PROPOSED INLETS AND MANHOLES, OR ANY OFF-SITE LOCATIONS AS A RESULT OF CONSTRUCTION. ADDITIONAL SILTATION CONTROL SHALL BE INSTALLED BY THE CONTRACTOR AS NECESSARY IN ORDER TO MAINTAIN PROPER EROSION CONTROL. PRIOR TO COMPLETION OF THE PROJECT, ALL INLETS, MANHOLES, SEWER PIPES AND PAVEMENTS SHALL BE INSPECTED FOR SEDIMENT AND ALL SEDIMENT REMOVED BY THE CONTRACTOR.
- 2. CONTRACTOR SHALL MAINTAIN ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF THE PROJECT. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS. AFTER EVERY STORM EVENT, EROSION AND SEDIMENT CONTROL DEVICES AS WELL AS EXISTING AND PROPOSED INLETS, MANHOLES, SEWER PIPES, AND PAVEMENTS SHALL BE INSPECTED. REMOVE ANY SEDIMENT FROM THESE AREAS IMMEDIATELY.
- 3. ALL EXISTING STORM INLETS TO REMAIN UNDISTURBED WITHIN THE PROJECT AREA SHALL HAVE ADEQUATE SEDIMENTATION CONTROL. ALL EXISTING STORM INLETS SCHEDULED TO BE REMOVED SHALL HAVE ADEQUATE SEDIMENTATION CONTROL UNTIL EXISTING STORM INLET IS REMOVED IN ITS ENTIRETY.
- 4. ALL PROPOSED STORM INLETS SHALL HAVE ADEQUATE SEDIMENTATION CONTROL THROUGHOUT THE ENTIRETY OF THE PROJECT. SEDIMENT CONTROL DEVICES SHALL BE UPDATED THROUGH ALL PHASES OF PROJECT.
- 5. CONTRACTOR SHALL WASH TRUCKS PRIOR TO EXITING CONSTRUCTION AREA TO PREVENT MUD AND DEBRIS FROM LEAVING PROJECT SITE. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE CONSTRUCTION LIMITS ON ANY PAVEMENTS, WALKS, OR GRASSES SHALL BE REMOVED IMMEDIATELY.
- 6. ANY DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT CONTROL BAG OR OTHER APPROVED FILTER IN ACCORDANCE WITH MISSOURI DEPARTMENT OF NATURAL RESOURCE STANDARDS.
- 7. DUST FROM DEMOLITION OR EARTHWORK OPERATIONS SHALL BE CONTROLLED VIA AN APPROVED METHOD IN ACCORDANCE WITH MISSOURI DEPARTMENT OF NATURAL RESOURCE STANDARDS.
- 8. PROVIDE ADEQUATE OFF-STREET PARKING FOR CONSTRUCTION EMPLOYEES. PARKING ON NON-SURFACED AREAS SHALL BE PROHIBITED IN ORDER TO ELIMINATE THE CONDITION WHEREBY MUD FROM CONSTRUCTION AND EMPLOYEE VEHICLES IS TRACKED ONTO THE PAVEMENT CAUSING HAZARDOUS ROADWAY AND DRIVEWAY CONDITIONS.

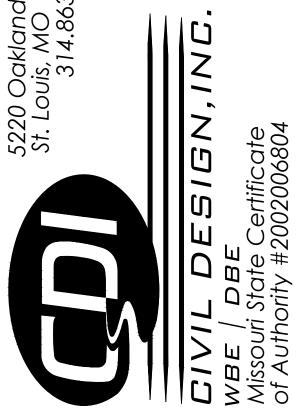
STATE OF MISSOURI MIKE KEHOE, GOVERNOR



JOHN E FALK - CIVIL ENGINEER
MO PE-2003001031

STATE OF MISSOURI
CIVIL DESIGN, INC.
ENGINEERING CORPORATION
MISSOURI STATE CERTIFICATE OF AUTHORITY
NO. 2002006804

PROFESSIONAL SEAL



OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

7815218019

PROJECT#	X2319-01
SITE#	5218
ASSET#	
CABIN #1:	7815218008
CABIN #2:	7815218007
CABIN #3:	7815218022
CABIN #4:	7815218005
CABIN #14:	7815218003

DATE # REVISION

ISSUEDATE: 11/20/25

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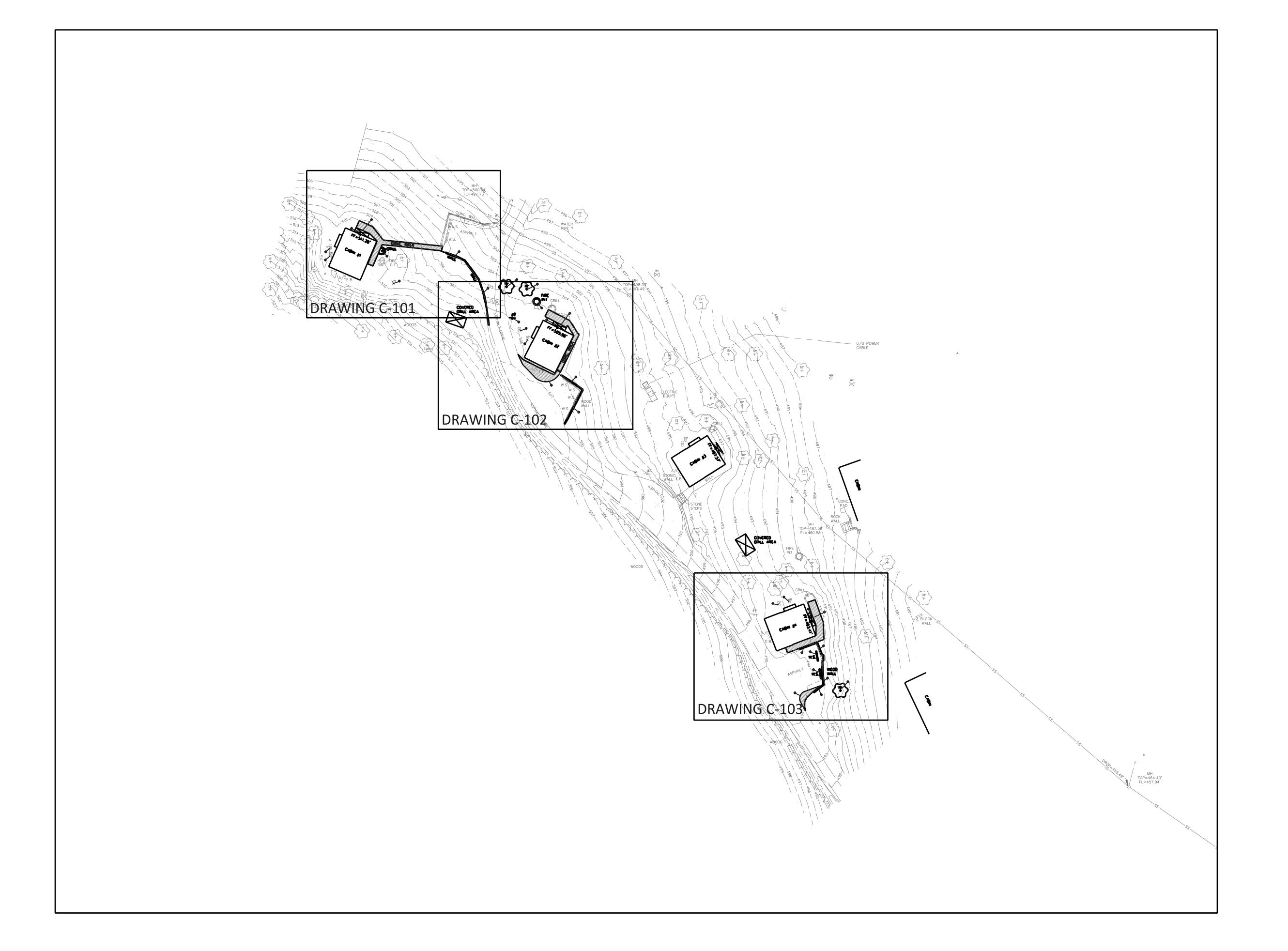
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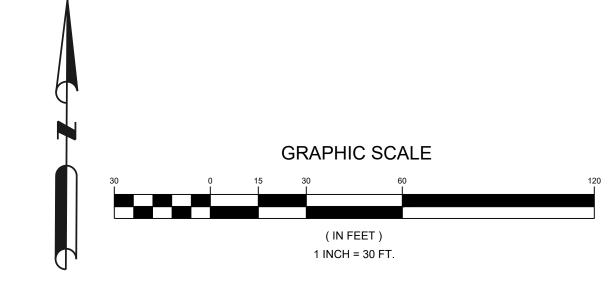
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CIVIL GENERAL NOTES

SHEET NUMBER:

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STATE OF MISSOURI MIKE KEHOE, GOVERNOR



JOHN E FALK - CIVIL ENGINEER
MO PE-2003001031

STATE OF MISSOURI
CIVIL DESIGN, INC.
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OFFICE OF ADMINISTRATIO
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MANAGEMENT,
DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 1

SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT #	X2319-01
SITE#	5218
ASSET#	
CABIN #1:	7815218008
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DATE # REVISION

ISSUEDATE: 11/20/25

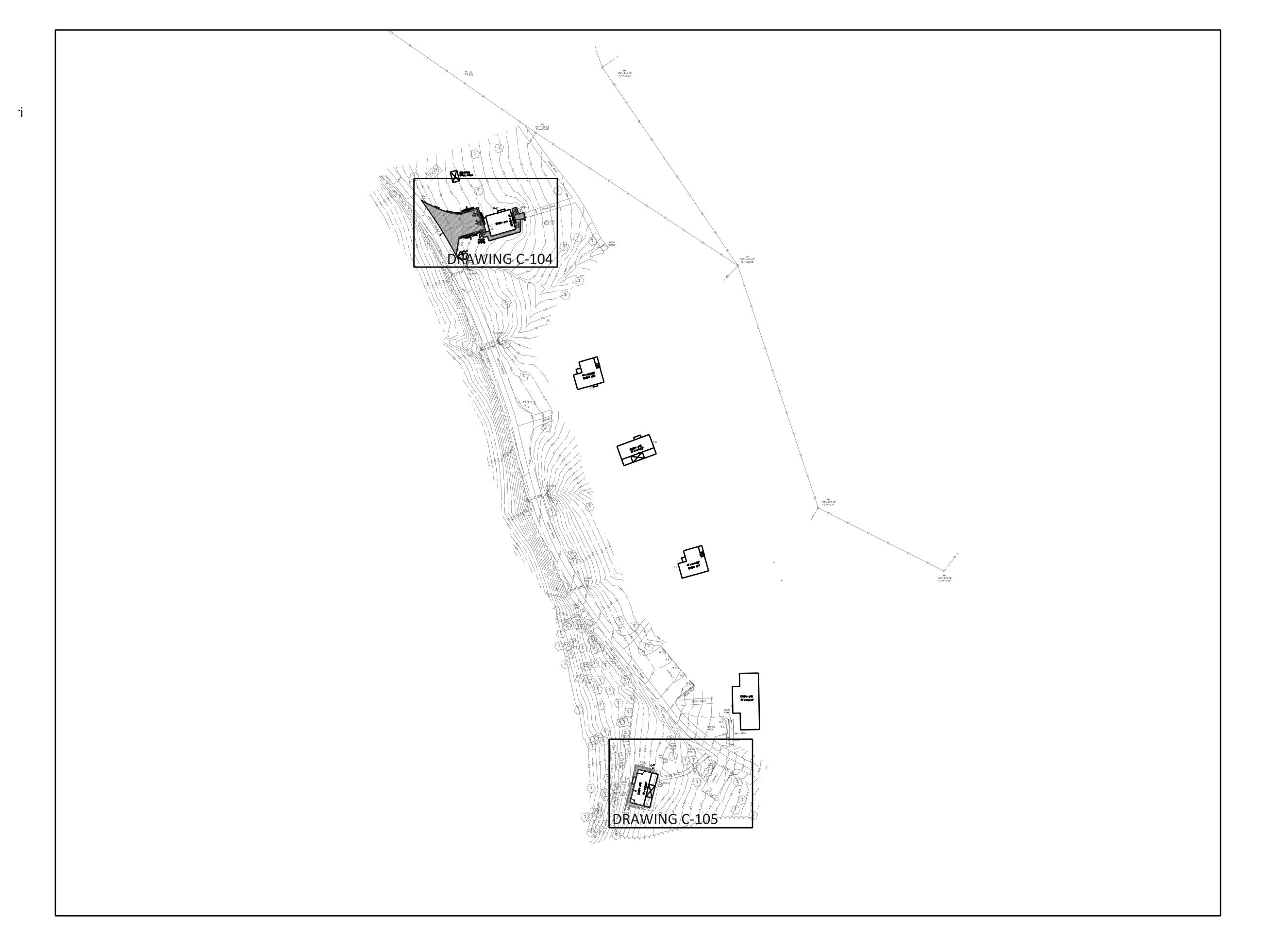
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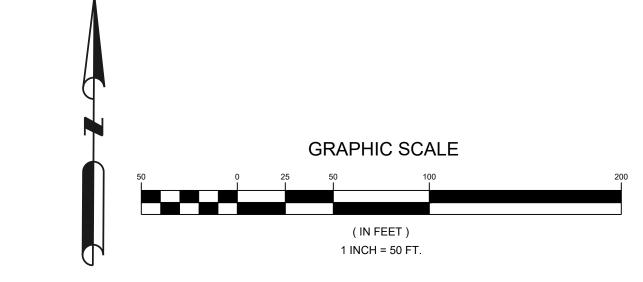
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OVERALL DEMOLITION PLAN (NORTH)

SHEET NUMBER:

|C-100.1|





STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



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DEPARTMENT OF NATURAL RESOURCES DIVISION OF

STATE PARKS PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 1

SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 5218 SITE# ASSET # CABIN #1: 7815218008 CABIN #2: 7815218007 CABIN #3: 7815218022 CABIN #4: 7815218005 7815218003 CABIN #14: CABIN #19: 7815218019

DATE # REVISION

ISSUEDATE: 11/20/25

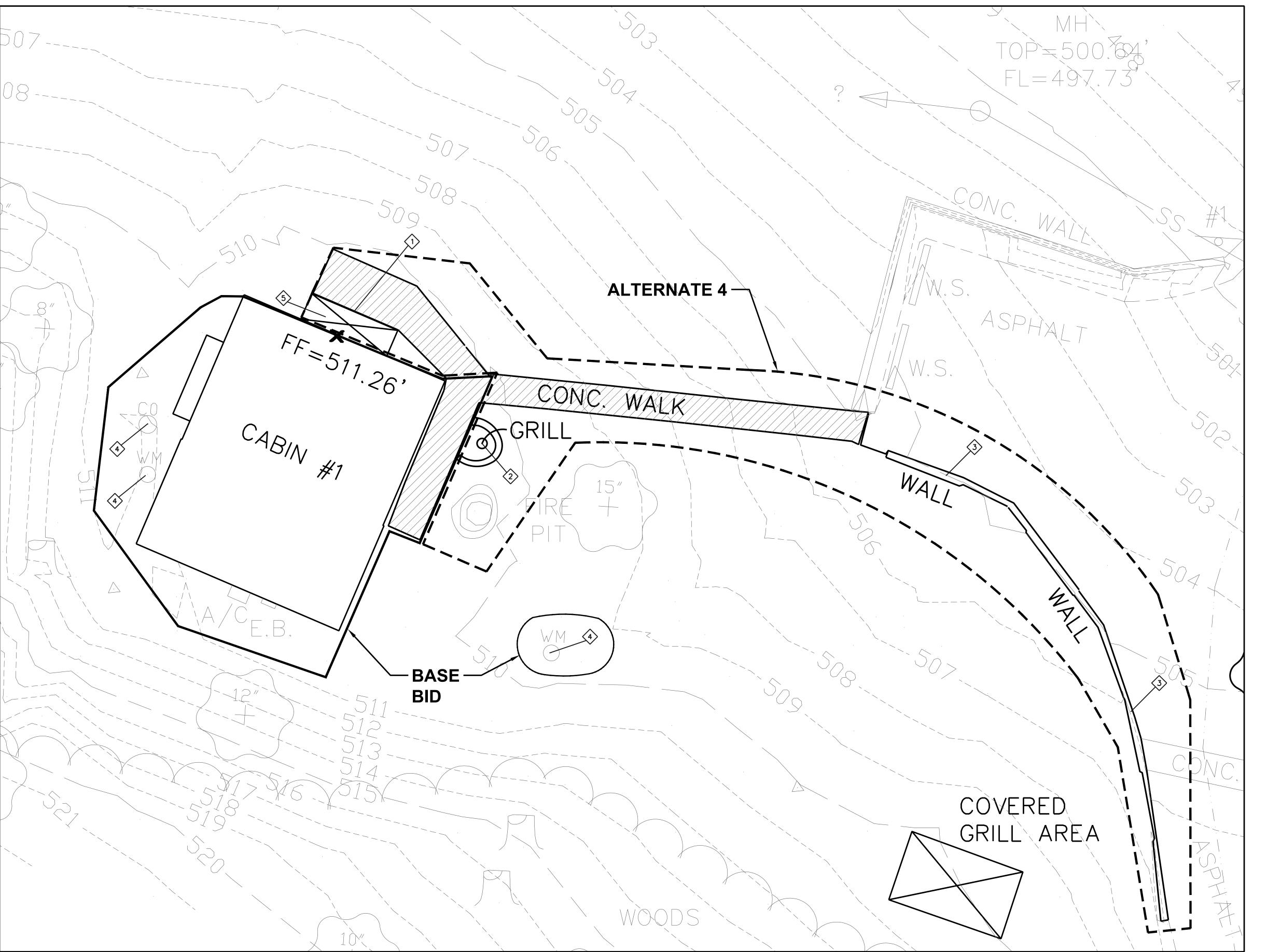
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CHECKED BY:
DESIGNED BY:
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SHEET TITLE:

OVERALL DEMOLITION PLAN (SOUTH)

SHEET NUMBER:

|C-100.2|







PAVEMENT REMOVAL





ALTERNATE 4 SCOPE AREA

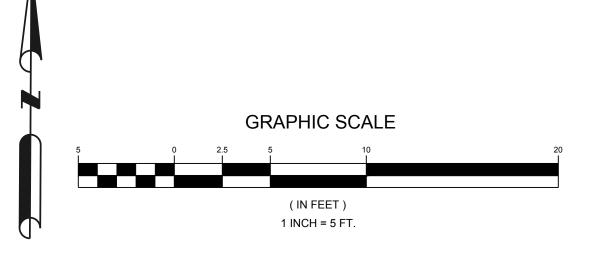
BASE BID SCOPE AREA

KEYED NOTES:

- SAWCUT PAVEMENT (FULL DEPTH)
- 2 REMOVE AND RELOCATE GRILL
- REMOVE RETAINING WALL
- UTILITY TOP ADJUST TO FINISH GRADE AS REQUIRED
- 5 EXISTING CONCRETE STOOP USE IN PLACE (SEE ARCHITECTURAL FOR TOPPING SLAB)

ALTERNATE 4:

SAWCUT EXISTING CONCRETE PAVEMENT AND REMOVE EXISTING WALK FROM EXISTING BUILDING TO EXISTING PARKING PAD AND EXISTING GRILL AREA. REMOVE AND RELOCATE GRILL. REMOVE EXISTING WALL.



STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



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OFFICE OF ADMINISTRATIO DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSCTRUCTIO**

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 1

SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 5218 SITE# ASSET # CABIN #1: 7815218008 CABIN #2: 7815218007 7815218022 CABIN #3: CABIN #4: 7815218005 7815218003 CABIN #14: CABIN #19: 7815218019 DATE # REVISION

ISSUEDATE: 11/20/25

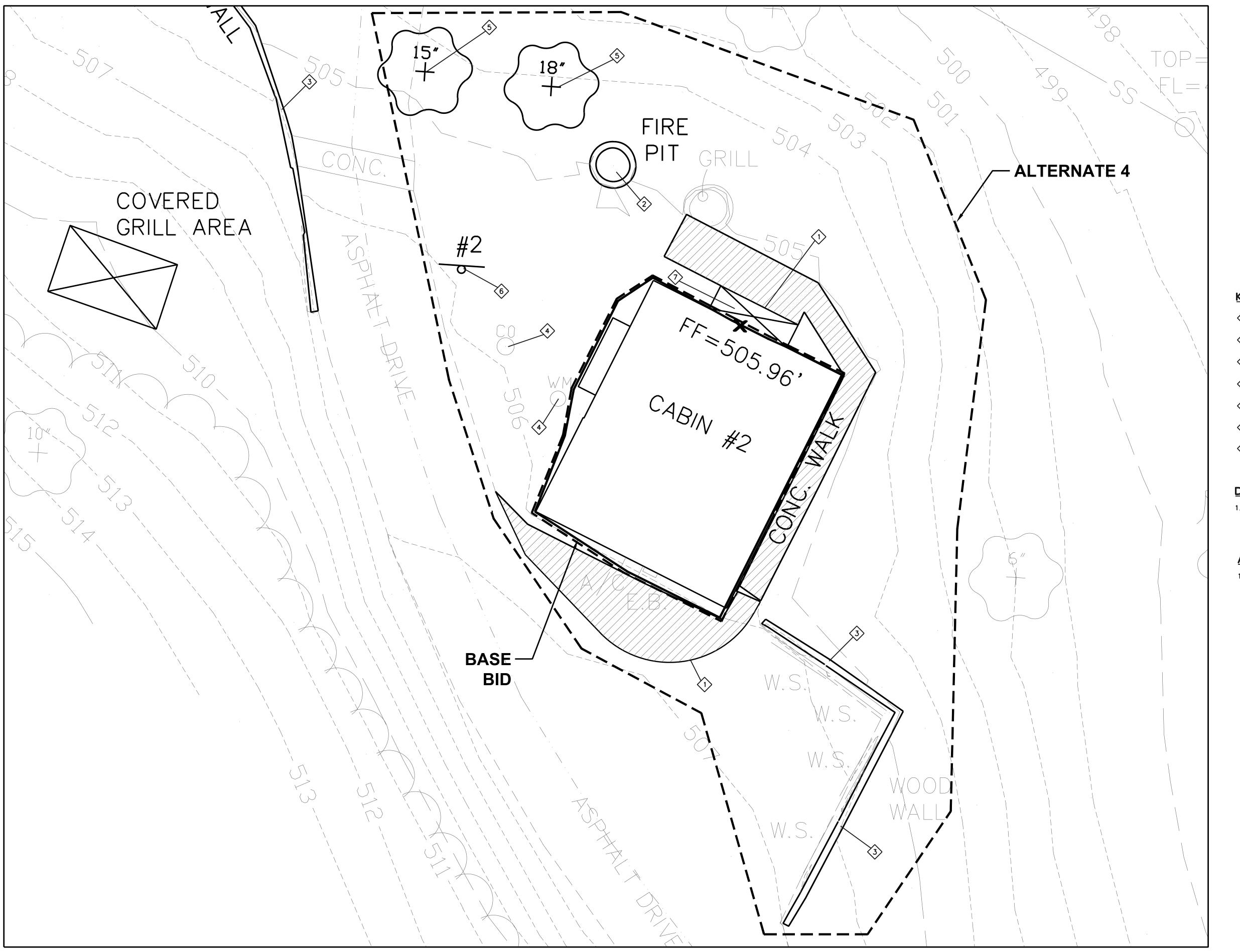
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SHEET TITLE:

DEMOLITION PLAN (CABIN 1)

SHEET NUMBER:

C-101







PAVEMENT REMOVAL





ALTERNATE 4 SCOPE AREA

BASE BID SCOPE AREA

KEYED NOTES:

- SAWCUT PAVEMENT (FULL DEPTH)
- 2 REMOVE AND RELOCATE FIRE PIT
- 3 REMOVE RETAINING WALL
- UTILITY TOP ADJUST TO FINISH GRADE AS REQUIRED
- SEE DRAWING NOTE 1)
- 6 REMOVE AND RELOCATE CABIN SIGN
- 7 EXISTING CONCRETE STOOP USE IN PLACE (SEE ARCHITECTURAL FOR TOPPING SLAB)

DRAWING NOTES:

TREE REMOVAL WILL REQUIRE A DNR-MSP NATURAL RESOURCE CLEARANCE SUBMITTED BY MSP STAFF. COORDINATE SITEWORK TO AVOID REMOVAL OF AS MANY TREES AS IS FEASIBLE.

ALTERNATE 4:

SAWCUT EXISTING CONCRETE PAVEMENT AND REMOVE EXISTING WALK FROM EXISTING BUILDING TO EXISTING DRIVE LANE. REMOVE EXISTING WALL. REMOVE TREES. REMOVE AND RELOCATE FIRE PIT. REMOVE AND RELOCATE SIGN.

STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



JOHN E FALK - CIVIL ENGINEER MO PE-2003001031 MISSOURI STATE CERTIFICATE OF AUTHORITY
NO. 2002006804

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 1

SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 5218 SITE# ASSET # CABIN #1: 7815218008 CABIN #2: 7815218007 CABIN #3: 7815218022 CABIN #4: 7815218005 CABIN #14: 7815218003 CABIN #19: 7815218019

DATE # REVISION

ISSUEDATE: 11/20/25

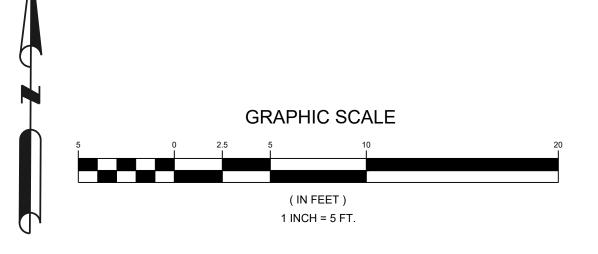
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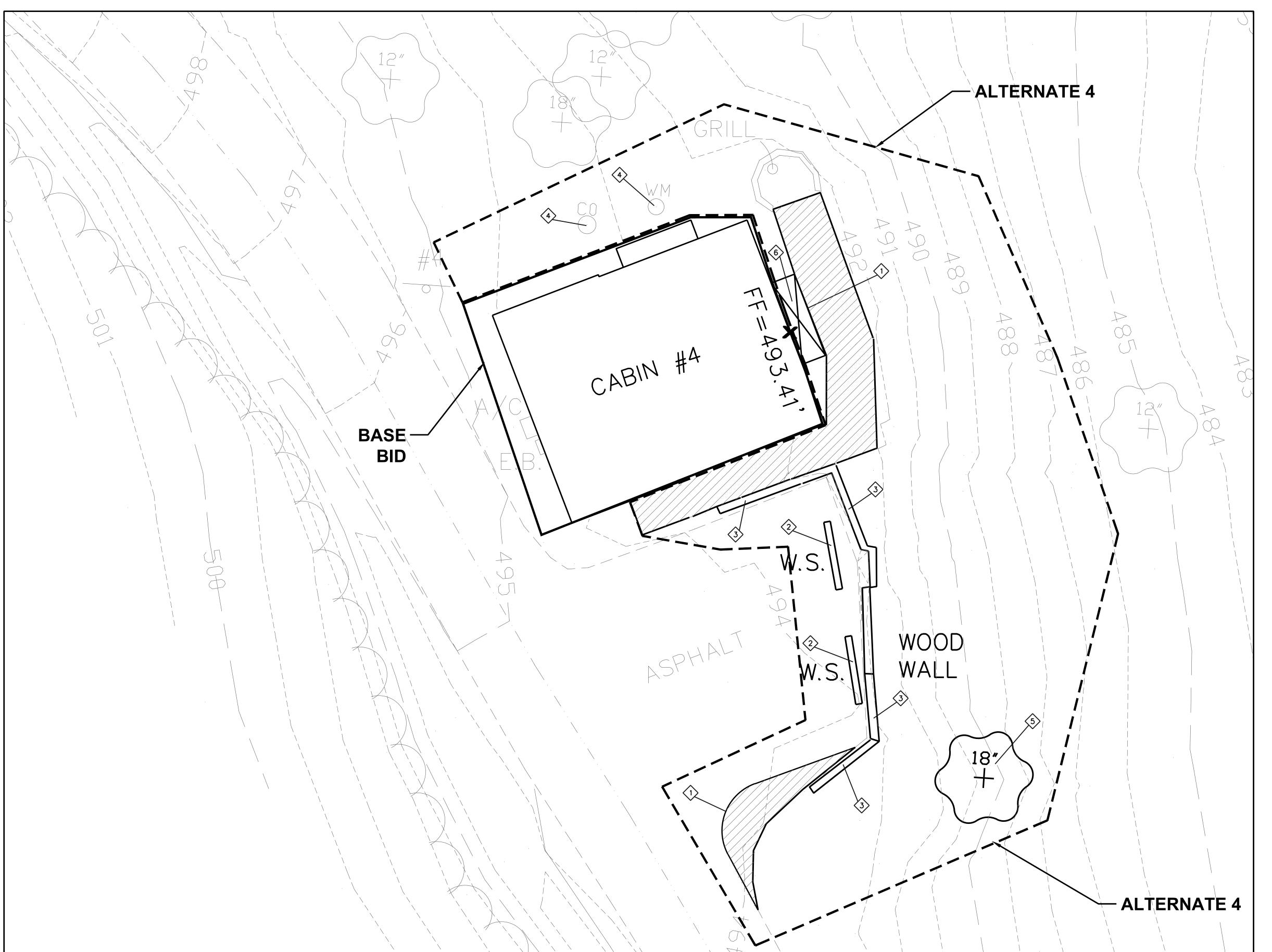
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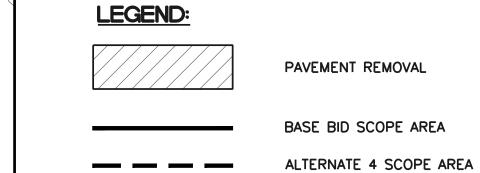
DEMOLITION PLAN (CABIN 2)

SHEET NUMBER:

C-102







KEYED NOTES:

- SAWCUT PAVEMENT (FULL DEPTH)
- 2 REMOVE WHEELSTOP
- 3 REMOVE RETAINING WALL
- UTILITY TOP ADJUST TO FINISH GRADE AS REQUIRED
- SEE DRAWING NOTE 1)
- 6 EXISTING CONCRETE STOOP USE IN PLACE (SEE ARCHITECTURAL FOR TOPPING SLAB)

DRAWING NOTES:

TREE REMOVAL WILL REQUIRE A DNR-MSP NATURAL RESOURCE CLEARANCE SUBMITTED BY MSP STAFF. COORDINATE SITEWORK TO AVOID REMOVAL OF AS MANY TREES AS IS FEASIBLE.

ALTERNATE 4:

SAWCUT EXISTING CONCRETE PAVEMENT AND REMOVE EXISTING WALK FROM EXISITNG BUILDING TO EXISTING PARKING AREA. REMOVE EXISTING WALL. REMOVE EXISTING TREE. REMOVE AND REUSE WHEELSTOP. REMOVE RETAINING WALL.

MIKE KEHOE, **GOVERNOR**

STATE OF MISSOURI



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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSCTRUCTION

OFFICE OF ADMINISTRATIO

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 1

SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 5218 SITE# ASSET # CABIN #1: 7815218008 CABIN #2: 7815218007 7815218022 CABIN #3: CABIN #4: 7815218005 7815218003 CABIN #14: CABIN #19: 7815218019 DATE # REVISION

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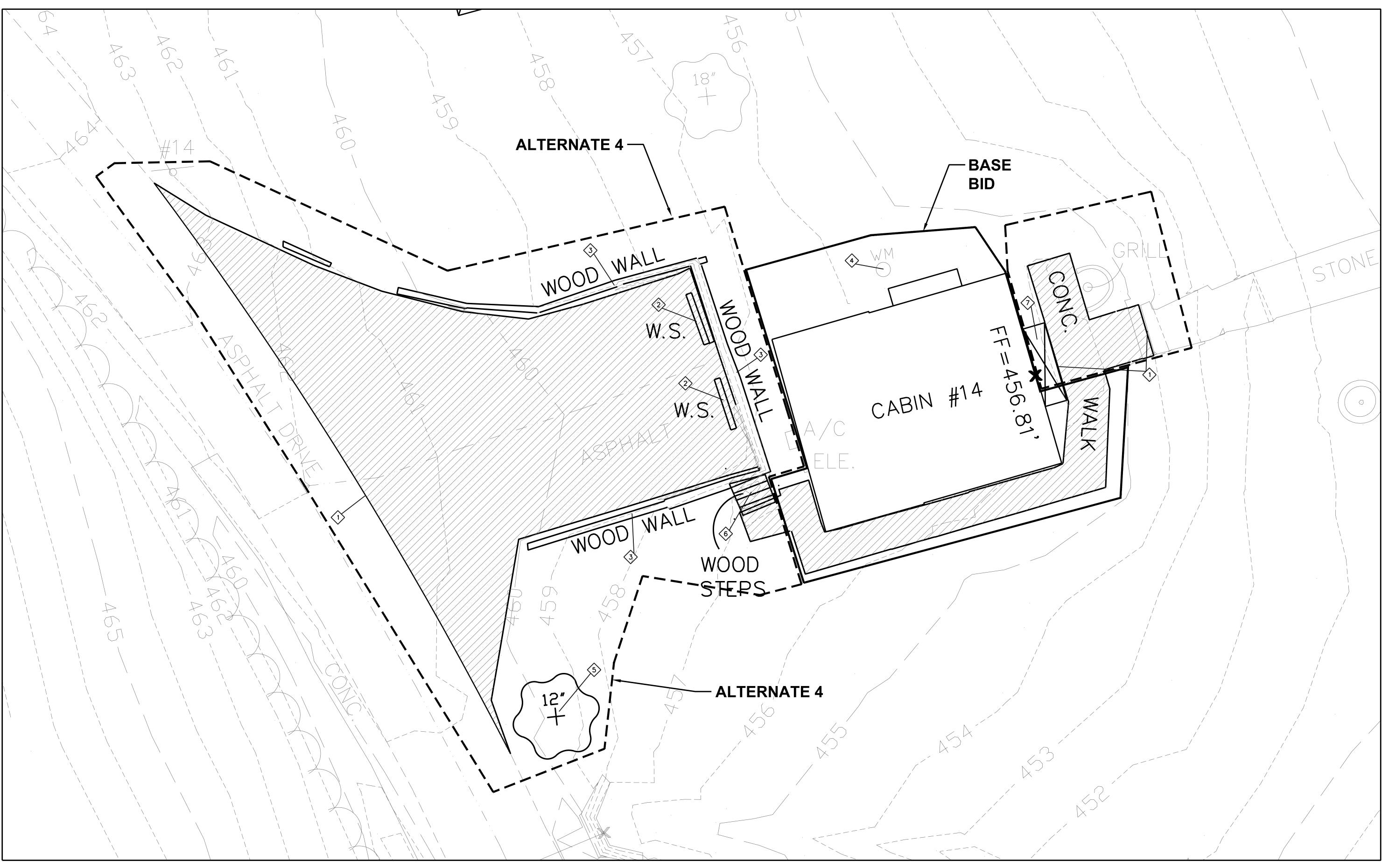
DEMOLITION PLAN (CABIN 4)

SHEET NUMBER:

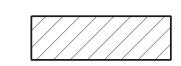
C-103

10 OF 52 SHEETS 11/20/25

GRAPHIC SCALE (IN FEET) 1 INCH = 5 FT.







PAVEMENT REMOVAL

BASE BID SCOPE AREA

ALTERNATE 4 SCOPE AREA

KEYED NOTES:

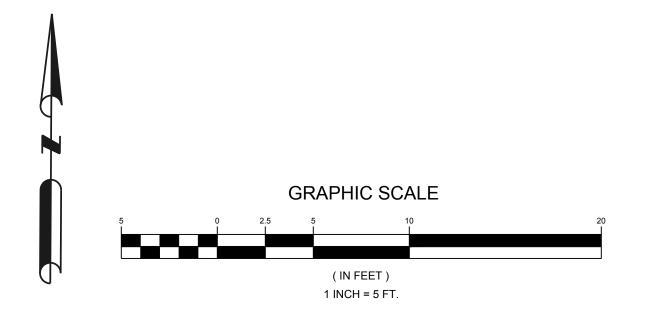
- SAWCUT PAVEMENT (FULL DEPTH)
- 2 REMOVE WHEELSTOPS
- 3 REMOVE RETAINING WALL
- UTILITY TOP ADJUST TO FINISH GRADE AS REQUIRED
- REMOVE TREE AND GRIND STUMP (SEE DRAWING NOTE 1)
- 6 REMOVE WOOD STEPS
- EXISTING CONCRETE STOOP USE IN PLACE (SEE ARCHITECTURAL FOR TOPPING SLAB)

DRAWING NOTES:

1. TREE REMOVAL WILL REQUIRE A DNR-MSP NATURAL RESOURCE CLEARANCE SUBMITTED BY MSP STAFF. COORDINATE SITEWORK TO AVOID REMOVAL OF AS MANY TREES AS IS FEASIBLE.

ALTERNATE 4:

SAWCUT EXISTING CONCRETE PAVEMENT AND REMOVE EXISTING WALK FROM EXISTING BUILDING TO EXISTING PARKING PAD. REMOVE EXISTING ASPHALT PAVEMENT. REMOVE WOOD WALL. REMOVE TREE.



STATE OF MISSOURI MIKE KEHOE, GOVERNOR



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PROFESSIONAL SEAL



OFFICE OF ADMINISTRATIO DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSCTRUCTIO**

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 1 SAM A. BAKER STATE PARK

5580 STATE HIGHWAY 143

PATTERSON, MO 63956 PROJECT # X2319-01

5218 SITE# ASSET #

CABIN #1: 7815218008 7815218007 CABIN #2: 7815218022 CABIN #3:

7815218005 CABIN #4: 7815218003 CABIN #14: CABIN #19: 7815218019 DATE # REVISION

ISSUEDATE: 11/20/25

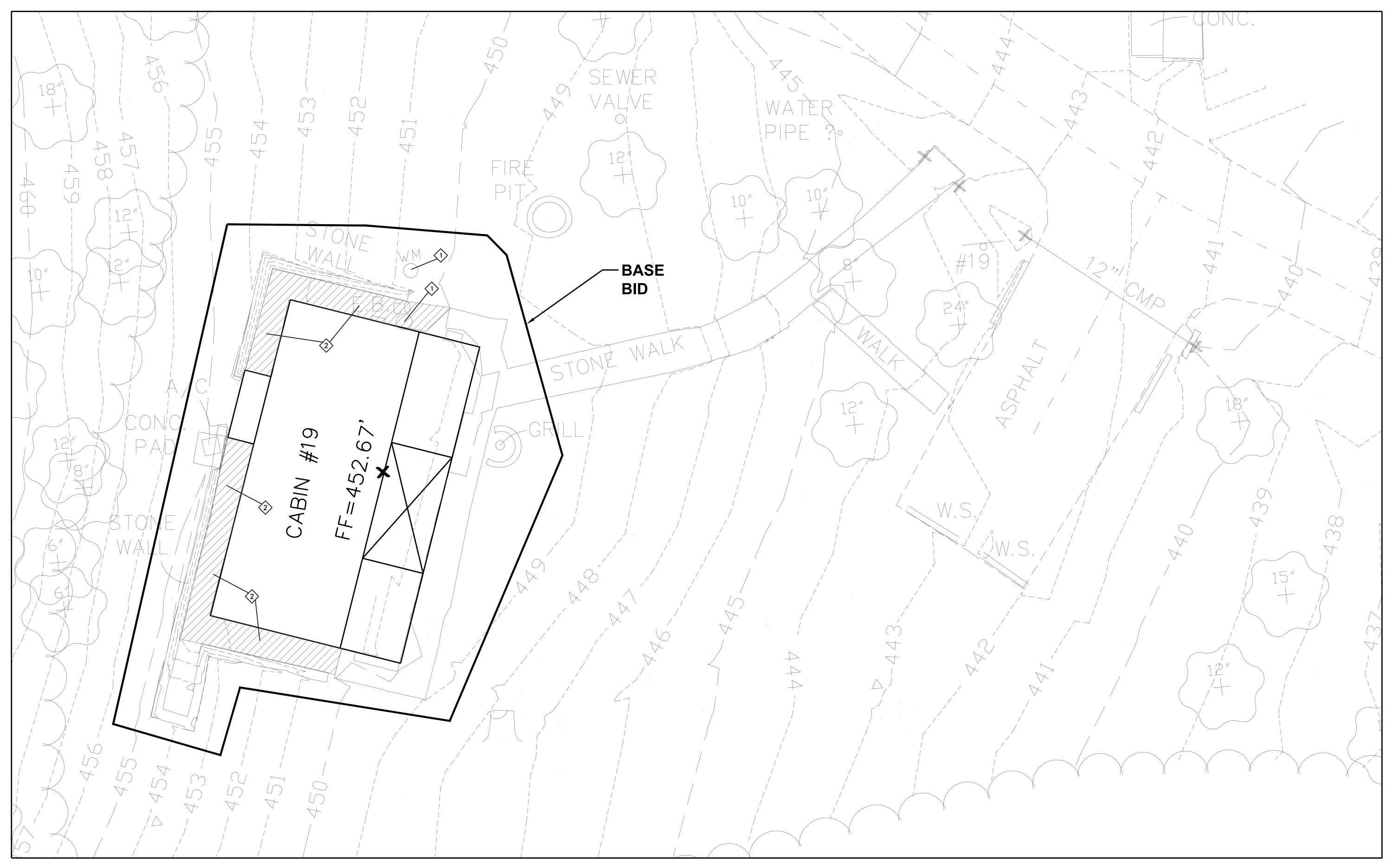
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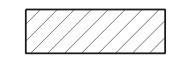
SHEET TITLE:

DEMOLITION PLAN (CABIN 14)

SHEET NUMBER:

|C-104|





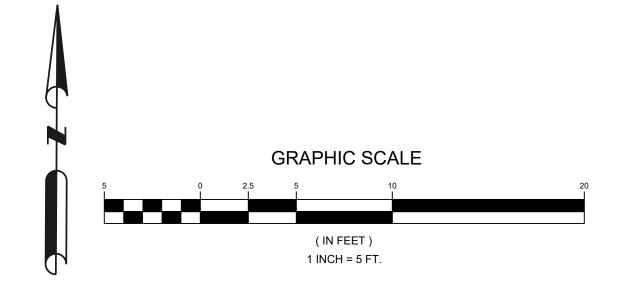
PAVEMENT/ROCK REMOVAL

BASE BID SCOPE AREA

KEYED NOTES:

UTILITY TOP - ADJUST TO FINISH GRADE AS REQUIRED

EXISTING FLAGSTONE - CONTRACTOR SHALL TAKE SPECIAL CARE TO REMOVE THESE STONES UNDAMAGED AND SALVAGE IN A SAFE LOCATION FOR REUSE.



STATE OF MISSOURI MIKE KEHOE, GOVERNOR



JOHN E FALK - CIVIL ENGINEER MO PE-2003001031 STATE OF MISSOURI CIVIL DESIGN, INC. ENGINEERING CORPORATION MISSOURI STATE CERTIFICATE OF AUTHORITY NO. 2002006804

PROFESSIONAL SEAL



OFFICE OF ADMINISTRATIO DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 1

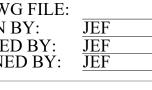
SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 5218 SITE# ASSET# CABIN #1: 7815218008 CABIN #2: 7815218007 7815218022 CABIN #3: CABIN #4: 7815218005 CABIN #14: 7815218003 CABIN #19: 7815218019

DATE # REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE:
DRAWN BY:
CHECKED BY:
DESIGNED BY:
JEF

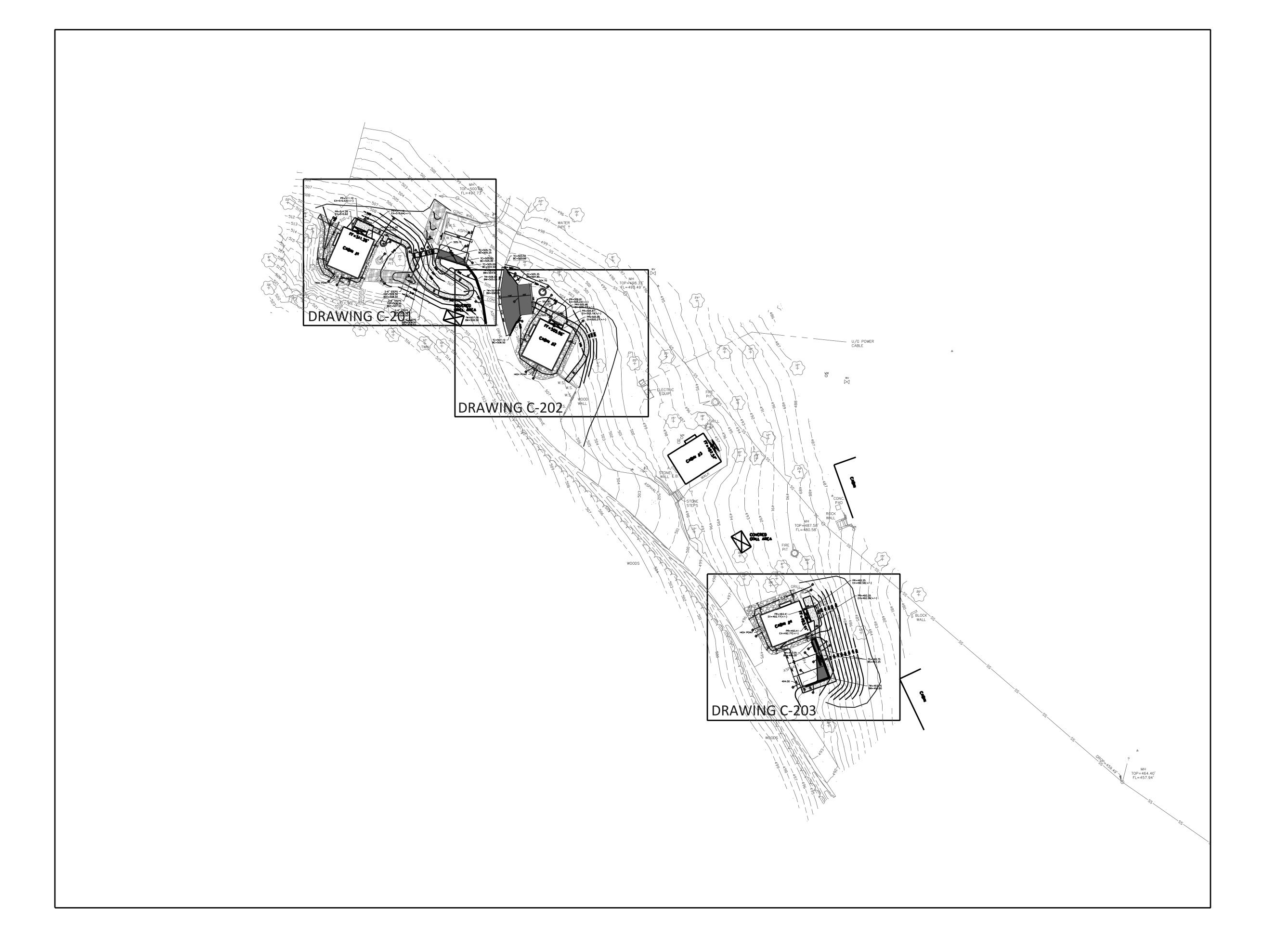


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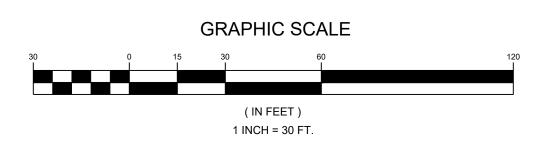
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SHEET NUMBER:

C-105







STATE OF MISSOURI MIKE KEHOE, GOVERNOR



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PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 1

SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

	OJECT # FE #	X2319-01 5218
AS	SSET#	
CA	BIN #1:	7815218008
CA	BIN #2:	7815218007
CA	BIN #3:	7815218022
CA	BIN #4:	7815218005
CA	BIN #14:	7815218003
CA	BIN #19:	7815218019

DATE # REVISION

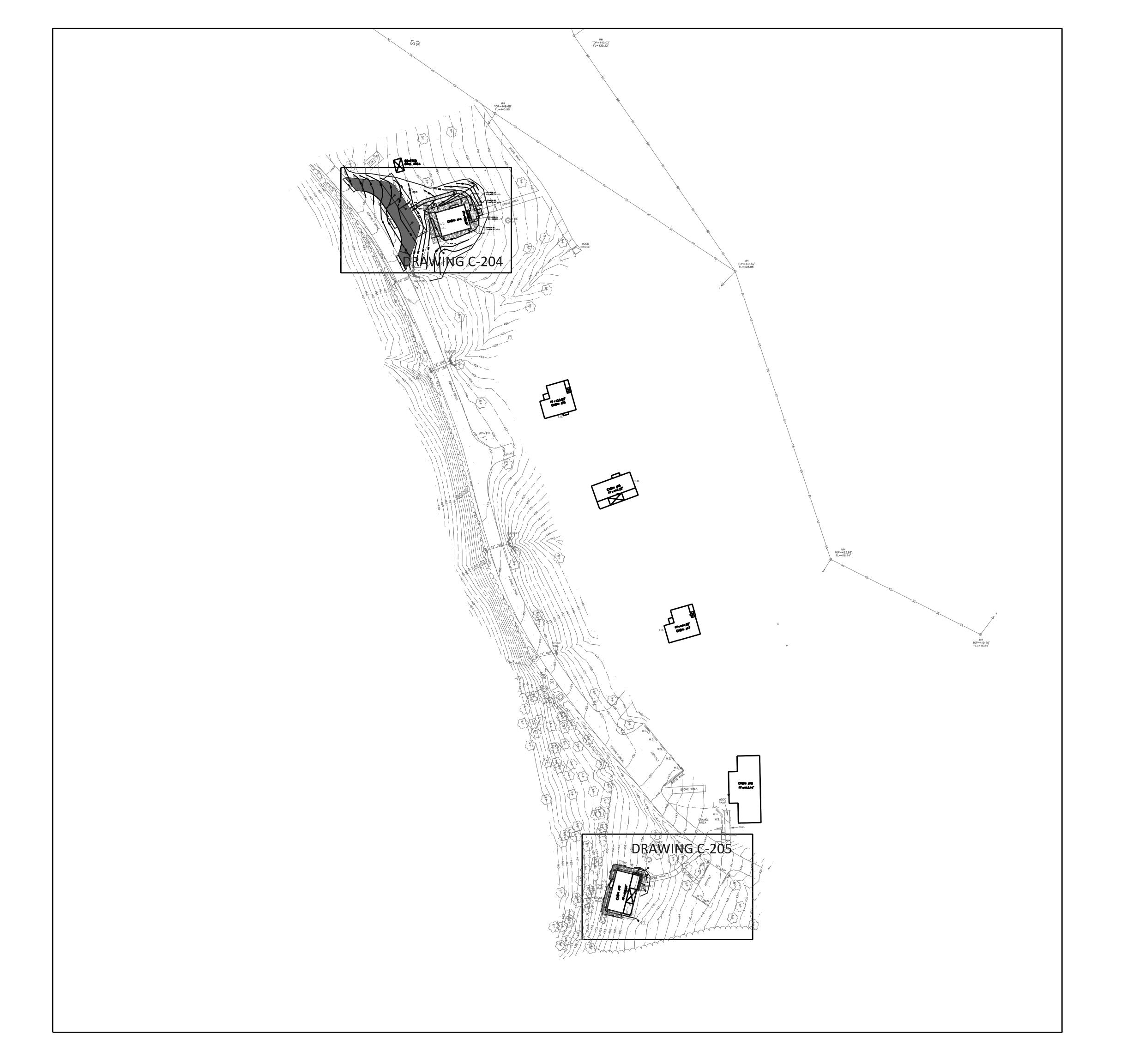
ISSUEDATE: 11/20/25

CAD DWG FILE:
DRAWN BY:
CHECKED BY:
DESIGNED BY:
JE

SHEET TITLE:

OVERALL SITE PLAN (NORTH)

SHEET NUMBER:







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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 1

SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # SITE #	X2319-01 5218
ASSET#	
CABIN #1:	7815218008
CABIN #2:	7815218007
CABIN #3:	7815218022
CABIN #4:	7815218005
CABIN #14:	7815218003
CABIN #19:	7815218019

DATE # REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE:
DRAWN BY:
CHECKED BY:
DESIGNED BY:
JE

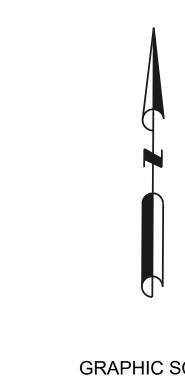
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OVERALL SITE PLAN (SOUTH)

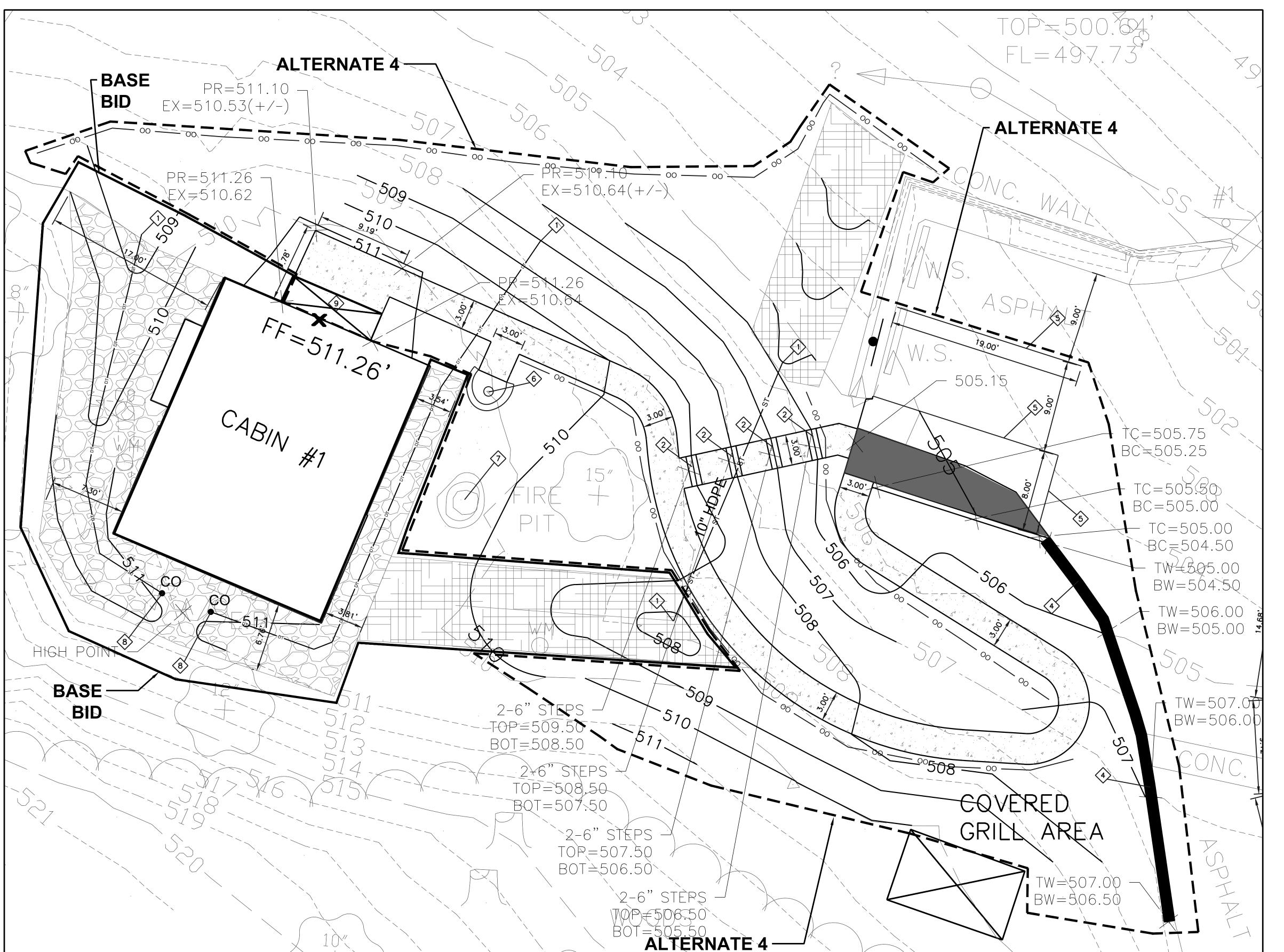
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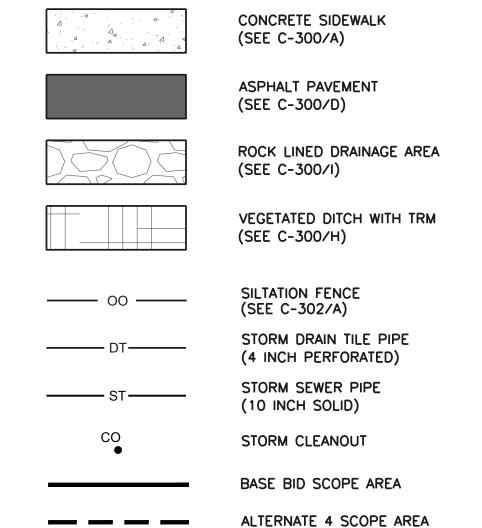
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14 OF 52 SHEETS 11/20/25



(IN FEET) 1 INCH = 40 FT.





KEYED NOTES:

- 1) PERFORATED PIPE OUTLET (CUT PIPE TO MATCH HILL SLOPE)
- CONCRETE STEP (2-6" RISERS WITH 2-12" TREADS) (SEE C-301/B)
- 3 NOT USED
- MODULAR BLOCK RETAINING WALL (SEE C-300/G)
 (SEE DRAWING NOTE 4 FOR ALTERNATE INFORMATION)
- 5 PARKING STALL STRIPING (WHITE PAINT)
- 6 NEW LOCATION FOR RELOCATED GRILL
- 7 EXISTING FIRE PIT DO NOT DISTURB
- 8 CLEANOUT (SEE C-301/A)
- (9) CONCRETE OVERLAY (SEE DRAWING NOTE 3)

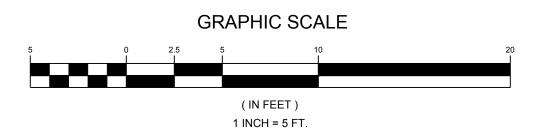
DRAWING NOTES:

- SEED AND STRAW ALL GRASS DISTURBANCE AREAS.
 CONCRETE WALKS SHALL NOT SLOPE MORE THAN 1V:20H UNLESS SPECIFICALLY CALLED OUT. 3. FORM AND POUR 8" (APPROXIMATE) OF CONCRETE
- OVER EXISTING CONCRETE STOOP IN ORDER TO MAKE FLUSH WITH DOOR SILL (SLOPE SURFACE OF NEW CONCRETE AWAY FROM DOOR AT 2% MAX)
- 4. BID ALTERNATE #3 POURED CONCRETE WALL WITH STONE VENEER (SEE C-301/D)

ALTERNATE 4:

 CONSTRUCT NEW RETAINING WALL AND EXPANDED ASPHALT PARKING AREA. CONSTRUCT NEW CONCRETE SIDEWALK FROM EXISTING BUILDING TO NEW ASPHALT PARKING AREA. ALL GRADING TO BUILD NEW PARKING AREA AND SIDEWALK IS INCLUDED IN THIS ALTERNATE.





STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



JOHN E FALK - CIVIL ENGINEER MO PE-2003001031 MISSOURI STATE CERTIFICATE OF AUTHORITY NO. 2002006804

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 1

SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 5218 SITE# ASSET # CABIN #1: 7815218008 CABIN #2: 7815218007 CABIN #3: 7815218022 CABIN #4: 7815218005 CABIN #14: 7815218003 CABIN #19: 7815218019 DATE # REVISION

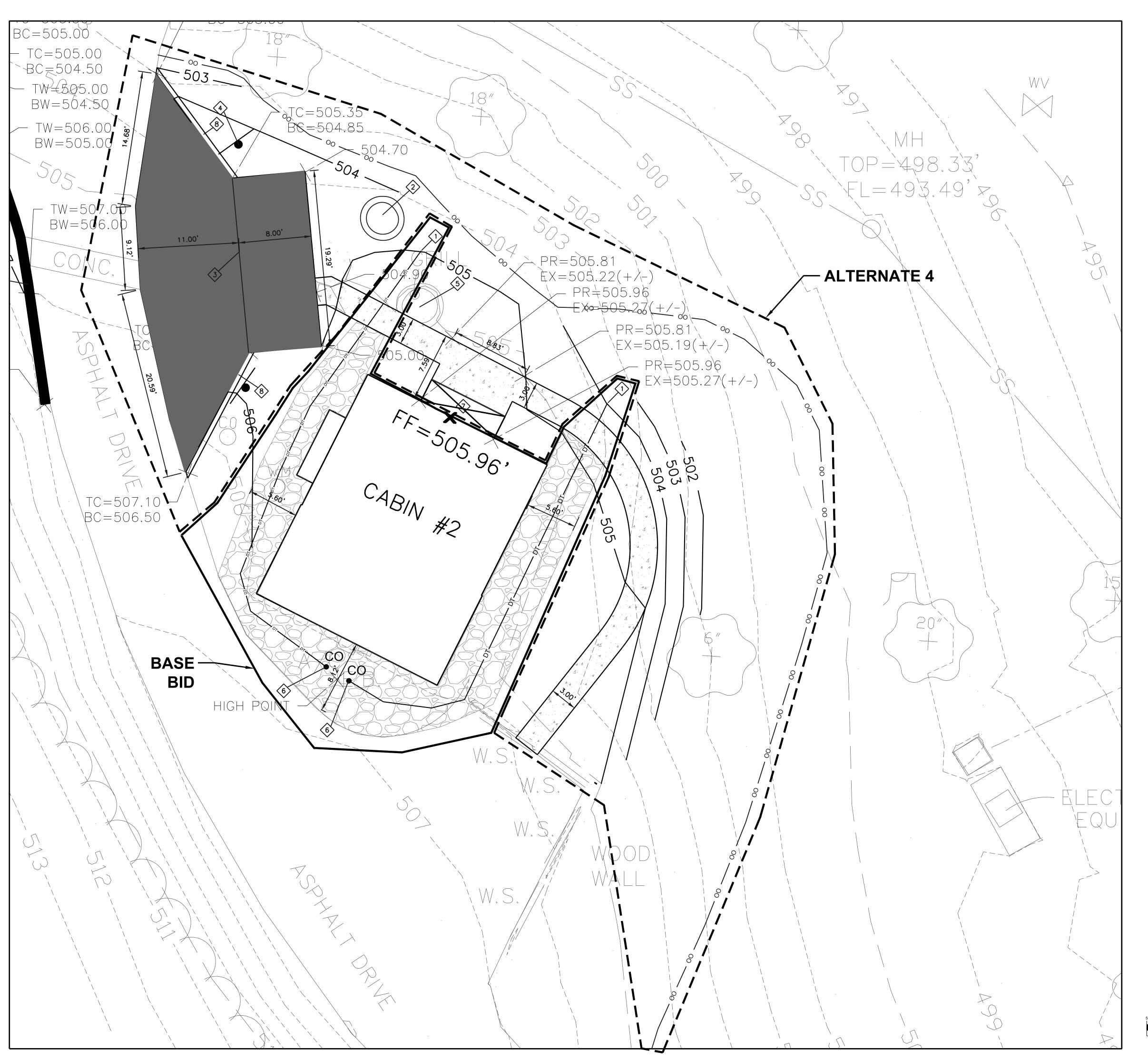
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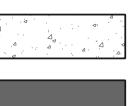
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SHEET TITLE:

SITE PLAN (CABIN 1)

SHEET NUMBER:

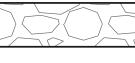




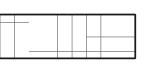
CONCRETE SIDEWALK (SEE C-300/A)



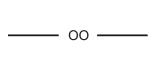
ASPHALT PAVEMENT (SEE C-300/D)



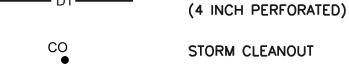
ROCK LINED DRAINAGE AREA (SEE C-300/I)



VEGETATED DITCH WITH TRM (SEE C-300/H)



SILTATION FENCE (SEE C-302/A) STORM DRAIN TILE PIPE



STORM CLEANOUT



BASE BID SCOPE AREA



ALTERNATE 4 SCOPE AREA

KEYED NOTES:

- PERFORATED PIPE OUTLET (CUT PIPE TO MATCH HILL SLOPE)
- 2 NEW LOCATION FOR RELOCATED FIRE PIT
- 3 PARKING STALL STRIPING (WHITE PAINT)
- NEW LOCATION FOR RELOCATED CABIN #2 SIGN
- 5 EXISTING GRILL DO NOT DISTURB
- 6 CLEANOUT (SEE C-301/A)
- CONCRETE OVERLAY (SEE DRAWING NOTE 3)
- 8 6 INCH TALL ASPHALT CURB

DRAWING NOTES:

- SEED AND STRAW ALL GRASS DISTURBANCE AREAS.
- 2. CONCRETE WALKS SHALL NOT SLOPE MORE THAN 1V:20H UNLESS SPECIFICALLY CALLED OUT.
- 3. FORM AND POUR 8" (APPROXIMATE) OF CONCRETE OVER EXISTING CONCRETE STOOP IN ORDER TO MAKE FLUSH WITH DOOR SILL (SLOPE SURFACE OF NEW CONCRETE AWAY FROM DOOR AT 2% MAX)

ALTERNATE 4:

1. CONSTRUCT NEW ASPHALT PARKING AREA. CONSTRUCT NEW CONCRETE SIDEWALK FROM EXISTING BUILDING TO NEW ASPHALT PARKING AREA. ALL GRADING TO BUILD NEW PARKING AREA AND SIDEWALK IS INCLUDED IN THIS ALTERNATE.

STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



JOHN E FALK - CIVIL ENGINEER MO PE-2003001031 MISSOURI STATE CERTIFICATE OF AUTHORITY NO. 2002006804

PROFESSIONAL SEAL



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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 1

SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 5218 SITE# ASSET # CABIN #1: 7815218008 CABIN #2: 7815218007 CABIN #3: 7815218022 7815218005 CABIN #4: CABIN #14: 7815218003 CABIN #19: 7815218019 DATE # REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE: DRAWN BY: CHECKED BY: DESIGNED BY:

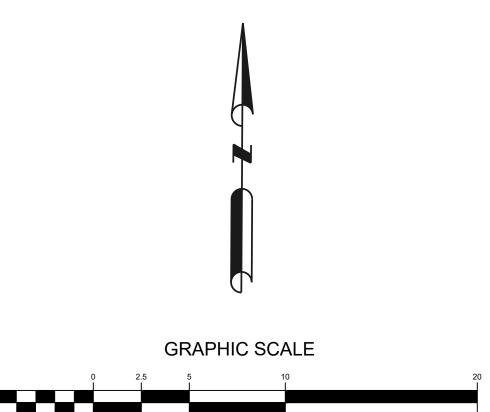
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SITE PLAN (CABIN 2)

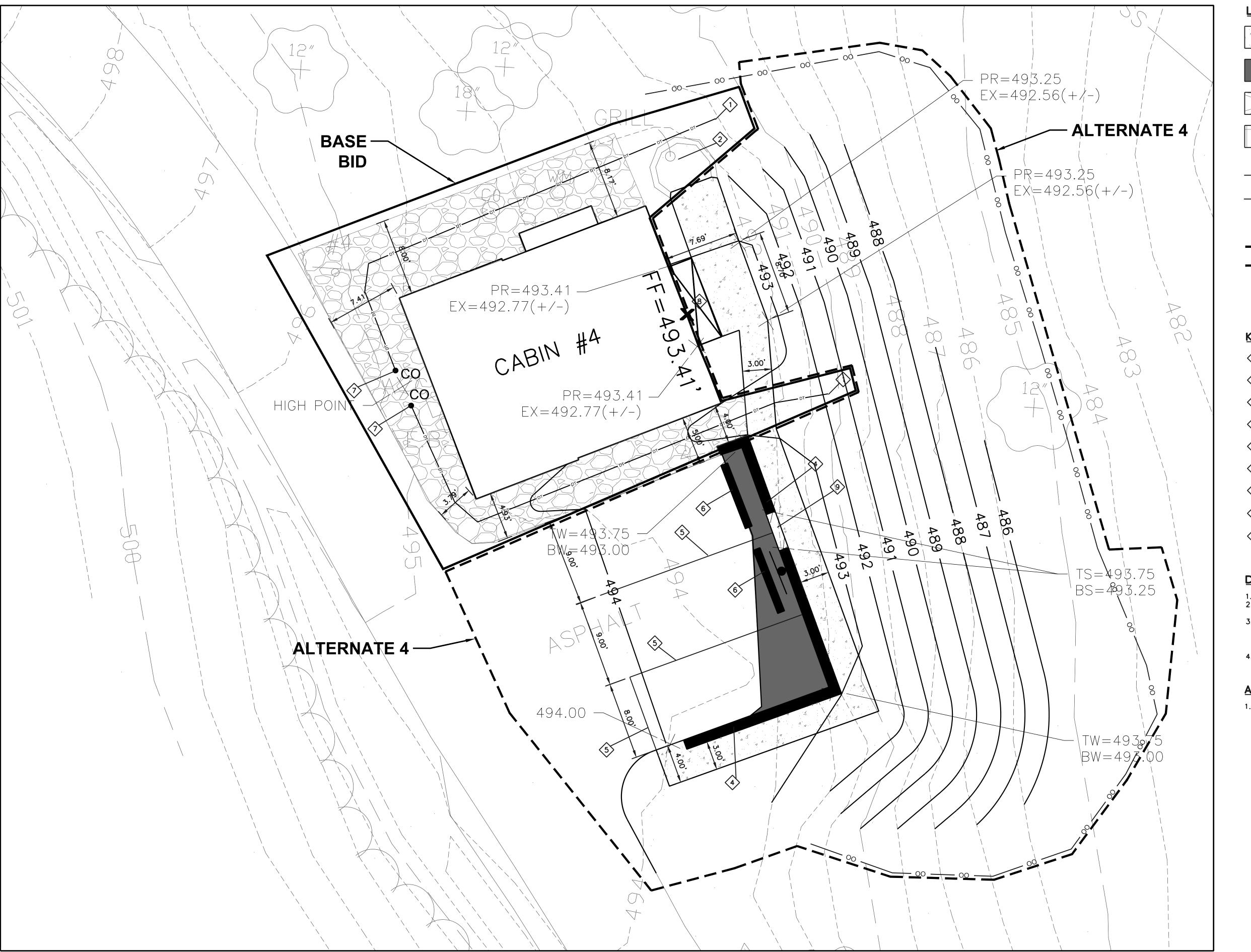
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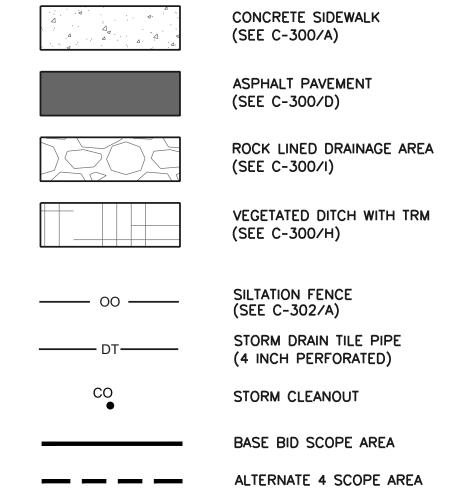
C-202

16 OF 52 SHEETS 11/20/25



(IN FEET) 1 INCH = 5 FT.





KEYED NOTES:

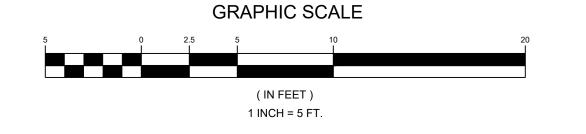
- 1) PERFORATED PIPE OUTLET (CUT PIPE TO MATCH HILL SLOPE)
- 2 EXISTING GRILL DO NOT DISTURB
- MODULAR BLOCK RETAINING WALL (SEE C-300/G) (SEE DRAWING NOTE 4 FOR ALTERNATE INFORMATION)
- 5 PARKING STALL STRIPING (WHITE PAINT)
- 6 PRECAST CONCRETE WHEELSTOP
- 7 CLEANOUT (SEE C-301/A)
- 8 CONCRETE OVERLAY (SEE DRAWING NOTE 3)
- 9 6" CONCRETE STEP

DRAWING NOTES:

- 1. SEED AND STRAW ALL GRASS DISTURBANCE AREAS. 2. CONCRETE WALKS SHALL NOT SLOPE MORE THAN
- 1V:20H UNLESS SPECIFICALLY CALLED OUT. 3. FORM AND POUR 8" (APPROXIMATE) OF CONCRETE OVER EXISTING CONCRETE STOOP IN ORDER TO MAKE FLUSH WITH DOOR SILL (SLOPE SURFACE OF NEW
- CONCRETE AWAY FROM DOOR AT 2% MAX) 4. BID ALTERNATE #3 - POURED CONCRETE WALL WITH STONE VENEER (SEE C-301/D)

ALTERNATE 4:

 CONSTRUCT NEW RETAINING WALL AND INFILL/ASPHALT PARKING AREA. CONSTRUCT NEW CONCRETE SIDEWALK AT UPPER PART OF NEW WALL FROM PARKING AREA TO EXISTING BUILDING. ALL GRADING TO BUILD NEW PARKING AREA, NEW WALL AND NEW SIDEWALK IS INCLUDED IN THIS ALTERNATE.



STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



JOHN E FALK - CIVIL ENGINEER MO PE-2003001031 MISSOURI STATE CERTIFICATE OF AUTHORITY
NO. 2002006804

PROFESSIONAL SEAL



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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 1

SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 5218 SITE# ASSET # CABIN #1: 7815218008 CABIN #2: 7815218007 CABIN #3: 7815218022 CABIN #4: 7815218005

CABIN #14: 7815218003 CABIN #19: 7815218019 DATE # REVISION

ISSUEDATE: 11/20/25

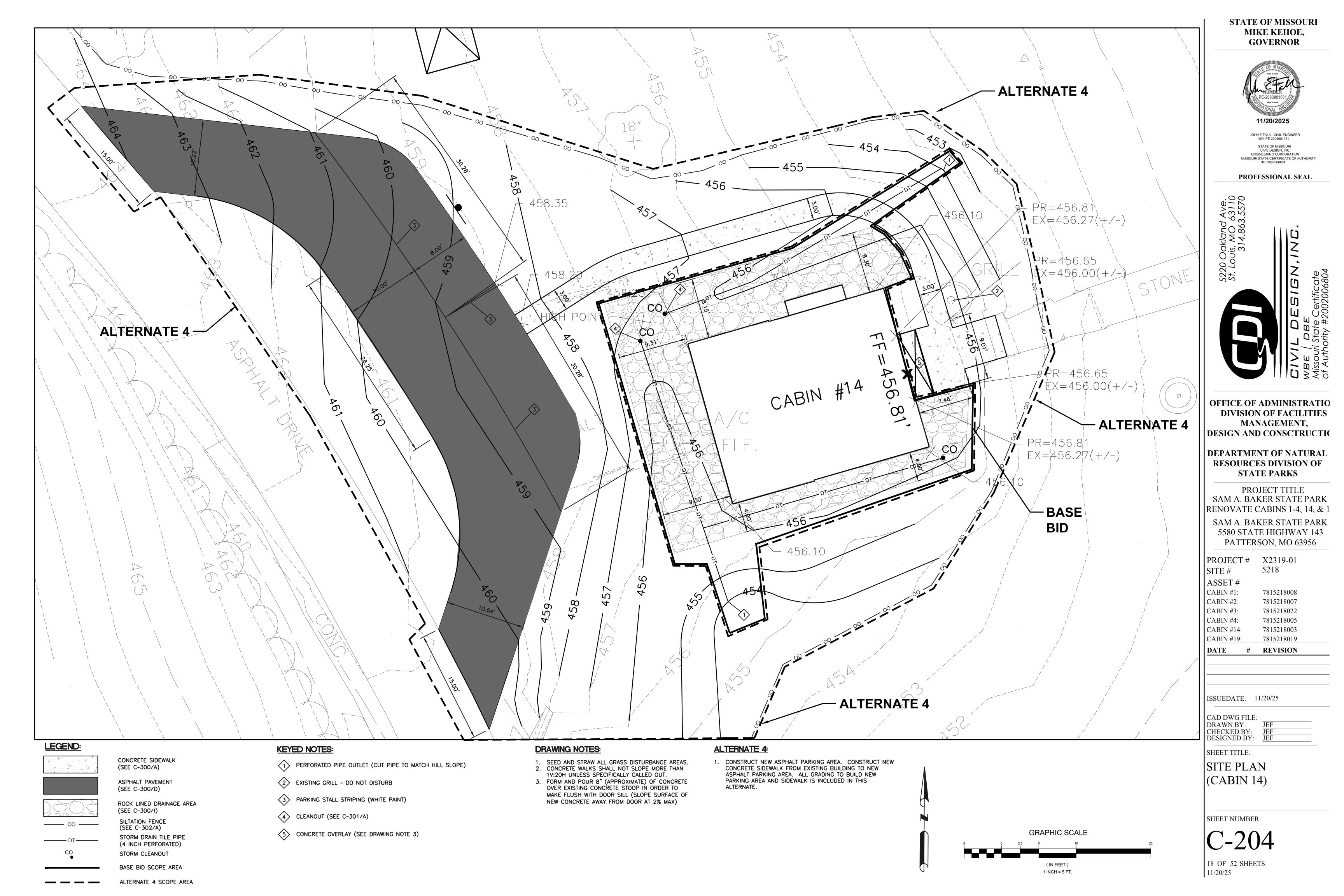
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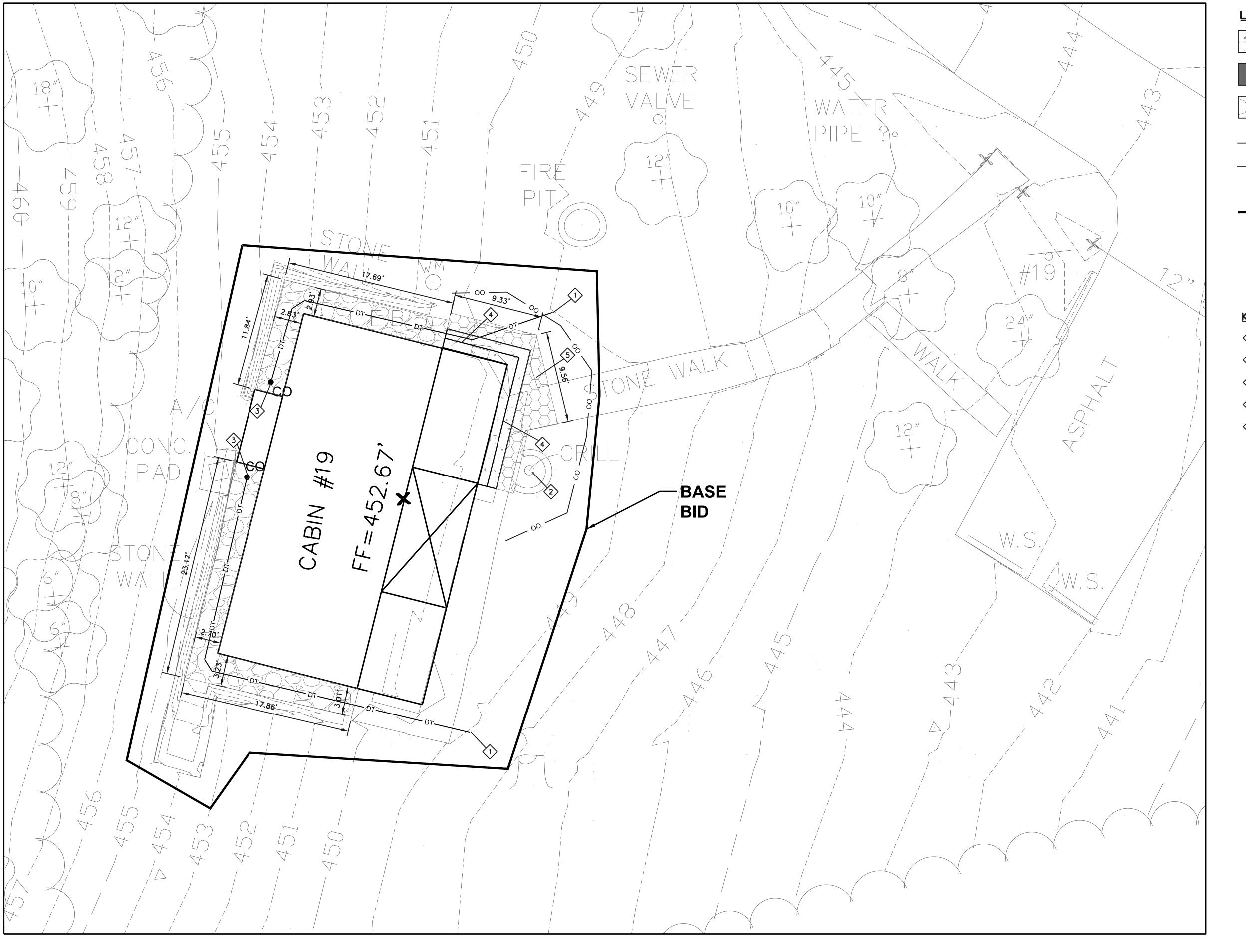
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SITE PLAN (CABIN 4)

SHEET NUMBER:

|C-203|





ASPHALT PAVEMENT

CONCRETE SIDEWALK (SEE C-300/A)



(SEE C-300/D) ROCK LINED DRAINAGE AREA

SILTATION FENCE (SEE C-302/A)

(SEE C-300/I)

STORM DRAIN TILE PIPE (4 INCH PERFORATED) STORM CLEANOUT

BASE BID SCOPE AREA

KEYED NOTES:

- PERFORATED PIPE OUTLET (CUT PIPE TO MATCH HILL SLOPE)
- 2 EXISTING GRILL DO NOT DISTURB
- 3 CLEANOUT (SEE C-301/A)
- 4 2 11" STEPS (SEE C-301/B)
- 5 RE-LAY EXISTING STONES

STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



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SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 5218 SITE# ASSET # CABIN #1: 7815218008 CABIN #2: 7815218007 7815218022 CABIN #3: CABIN #4: 7815218005 CABIN #14: 7815218003 CABIN #19: 7815218019 DATE # REVISION

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DRAWN BY:
CHECKED BY:
DESIGNED BY:
JEF

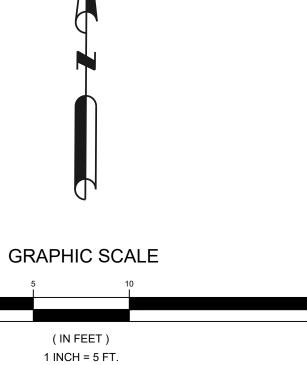
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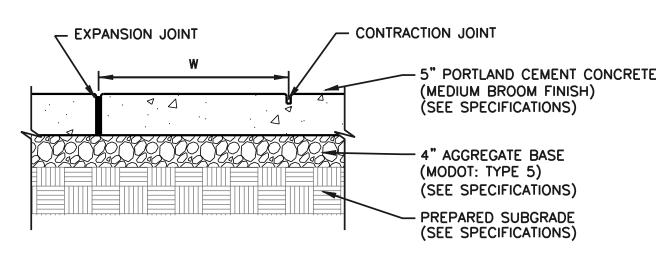
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(CABIN 19)

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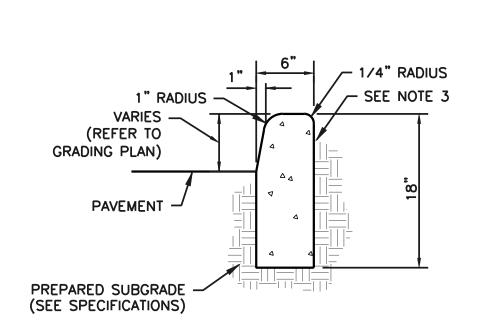
C-205





- 1. W=WIDTH OF SIDEWALK; VARIES-SEE PLANS
- 2. SPACE CONTRACTION JOINTS AT W WHERE APPLICABLE-SEE PLAN. PLACE EXPANSION JOINTS AT 3xW.
- 3. EXPANSION JOINT SHALL BE PLACED THROUGH THE FULL DEPTH OF THE SIDEWALK.

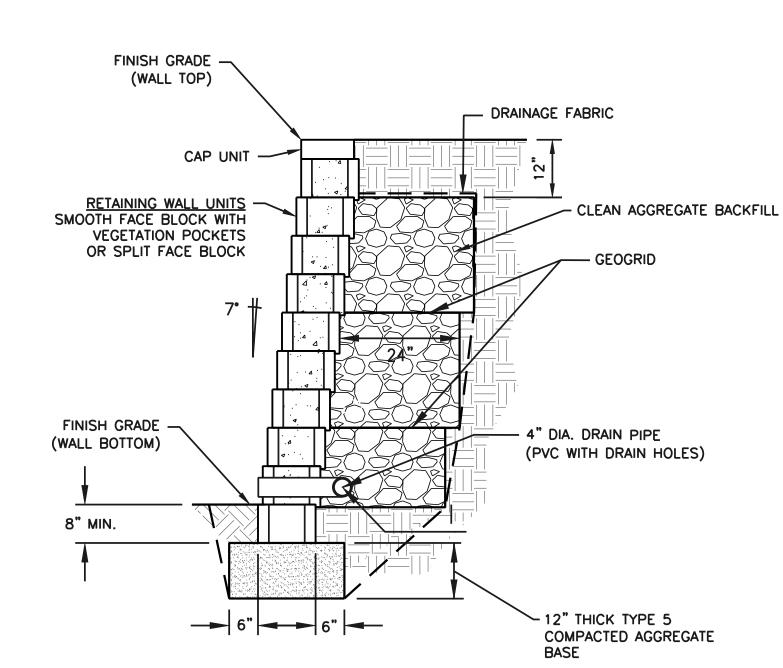




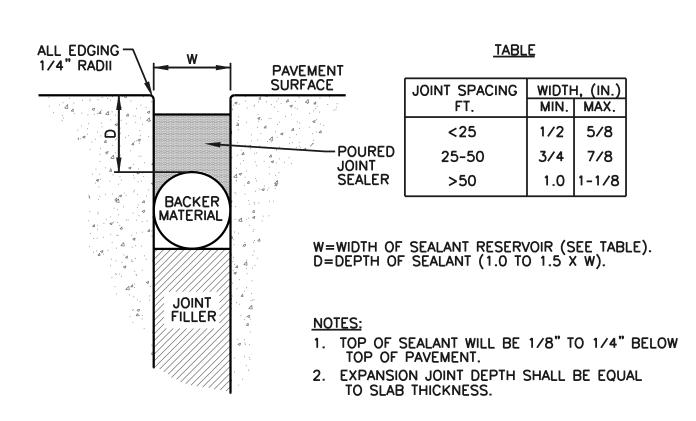
PROVIDE 3/8" MIN WIDE CONTRACTION JOINT IN CURBS @ 20' MAX SPACING O.C. JOINT SHALL BE PREFORMED OR SAWED AT 1/4 THICKNESS OF CURB.

2. PROVIDE EXPANSION JOINT IN CURB AT 80' MAX SPACING O.C. JOINT SHALL BE FULL DEPTH WITH 1" THICK PREFORMED EXPANSION JOINT



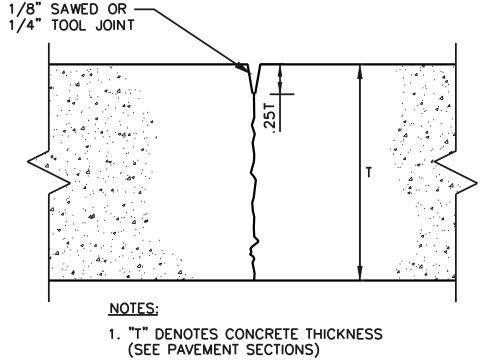






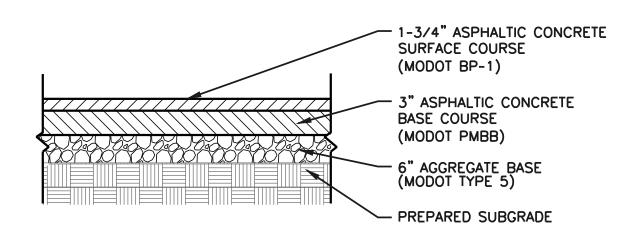


SECTION A-A

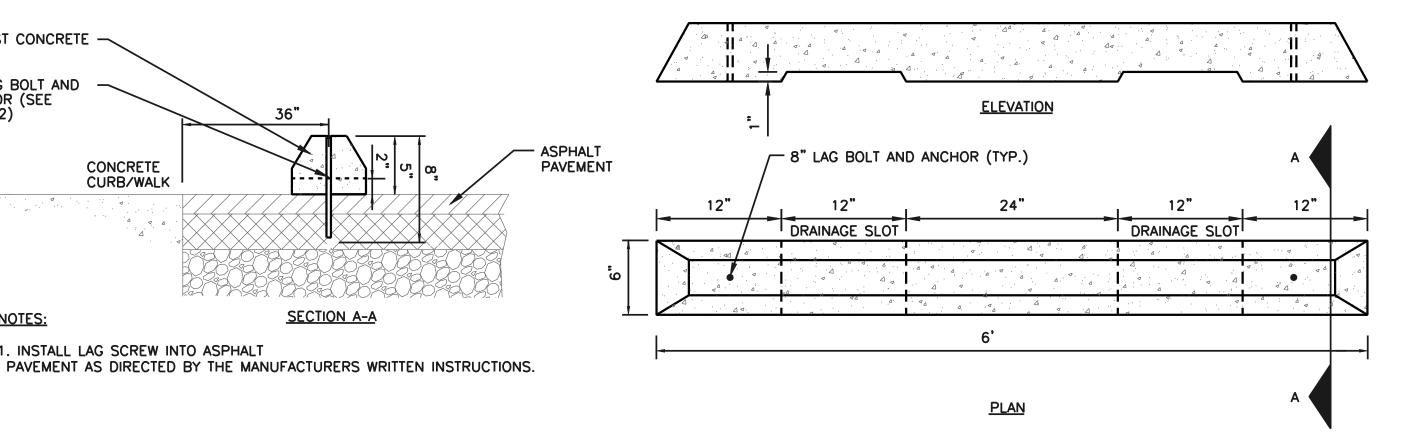


- 2. SAWCUT JOINTS WITHIN 16 HOURS OF PLACEMENT.
- 3. USE ONLY IN CONCRETE WALKS.

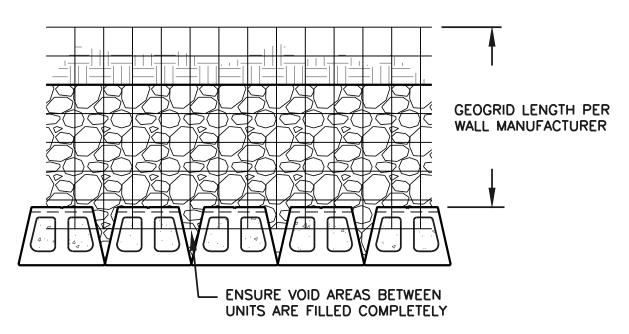








PRECAST CONCRETE WHEEL STOP NOT TO SCALE



NOTES:

PRECAST CONCRETE

8" LAG BOLT AND ANCHOR (SEE

NOTES:

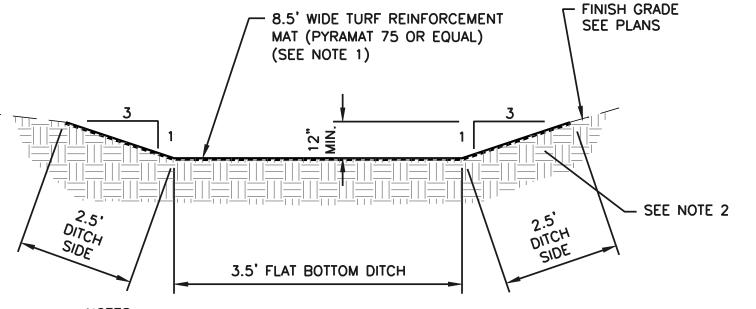
CONCRETE

CURB/WALK

1. INSTALL LAG SCREW INTO ASPHALT

NOTE 2)

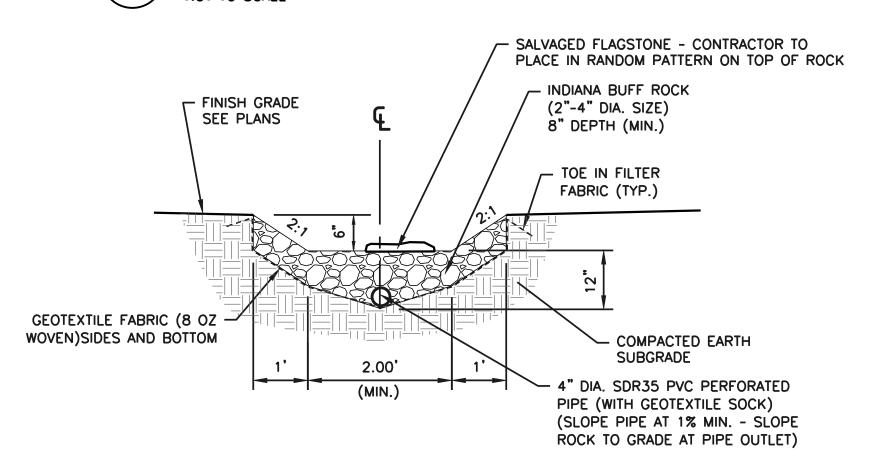
- 1. CONTRACTOR SHALL SUBMIT BLOCK UNIT SELECTION TO OWNER'S REPRESENTATIVE FOR REVIEW AND
- 2. ON-SITE SOILS SHALL BE FREE OF CLUMPS, ROCKS LARGER THAN 4 INCHES, AND/OR ANY ORGANIC MATERIALS. DO NOT USE HIGH PLASTIC SOILS THAT HAVE A PI>20 OR LL>40.
- GEOGRID SHALL BE MIRAGRID 2XT OR 3XT. THE GEOGRID'S PRIMARY STRENGTH DIRECTION IS PERPENDICULAR TO THE WALL FACE, AND MUST BE PLACED IN THIS ORIENTATION. PLACE GEOGRID FULLY WITHIN THE BLOCK AND ALL SLACK MUST BE REMOVED PRIOR TO PLACING ADDITONAL
- 4. FILTER FABRIC SHALL BE MIRAFI 140NL. SECURELY FASTEN FILTER FABRIC TO EXCAVATION LINE PRIOR TO BACKFILLING.
- THE LEVELING PAD SHALL BE CONSTRUCTED OF WELL GRADED CRUSHED LIMESTONE SIMILAR TO 1 INCH MINUS, AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR MAXIMUM DRY DENSITY. THE EXPOSED SOIL BENEATH THE LEVELING PAD SHALL BE OBSERVED AND VERIFIED TO HAVE A NET BEARING PRESSURE OF 2000 PSF. UNDERCUT ANY UNSUITABLE SOILS. UNDERCUT AREAS SHALL BE FILLED WITH CRUSHED LIMESTONE AND COMPACTED TO AT LEAST 95% STANDARD PROCTOR MAXIMUM DRY DENSITY. DO NOT CONSTRUCT WALL IF EXCAVATED SOILS ARE WET OR FROZEN.
- 6. SEE SITE PLAN AND WALL PROFILES FOR TOP AND BOTTOM WALL ELEVATIONS AND APPROXIMATED WALL QUANTITIES.
- WALL DESIGN SHOWN IS A TYPICAL SECTION. CONTRACTOR SHALL ENGAGE A STRUCTURAL ENGINEER TO PROVIDE STRUCTURAL DESIGN CALCULATIONS FOR THE MODULAR BLOCK WALL. CALCULATIONS SHALL BE SIGNED AND SEALED AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.



NOTES:

- CONTRACTOR SHALL INSTALL TURF REINFOREMENT MAT PER MANUFACTURER'S
- WRITTEN INSTRUCTIONS. COMPACTED EARTH SUBGRADE.
- SEED DITCH AREA (BOTTOM AND SIDES) WITH ALL PURPOSE SUN/SHADE SEED FESCUE SEED MIX PER MANUFACTURER'S SPECIFICATIONS.





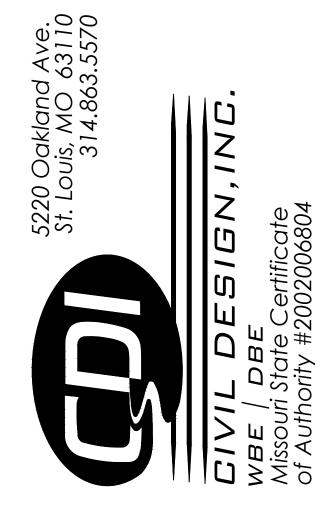






JOHN E FALK - CIVIL ENGINEER MO PE-2003001031 CIVIL DESIGN, INC. MISSOURI STATE CERTIFICATE OF AUTHORITY NO. 2002006804

PROFESSIONAL SEAL



OFFICE OF ADMINISTRATIO DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSCTRUCTIO**

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK |RENOVATE CABINS 1-4, 14, & 1

SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

REVISION

PROJECT#	X2319-01
SITE#	5218
ASSET#	
CABIN #1:	7815218008
CABIN #2:	7815218007
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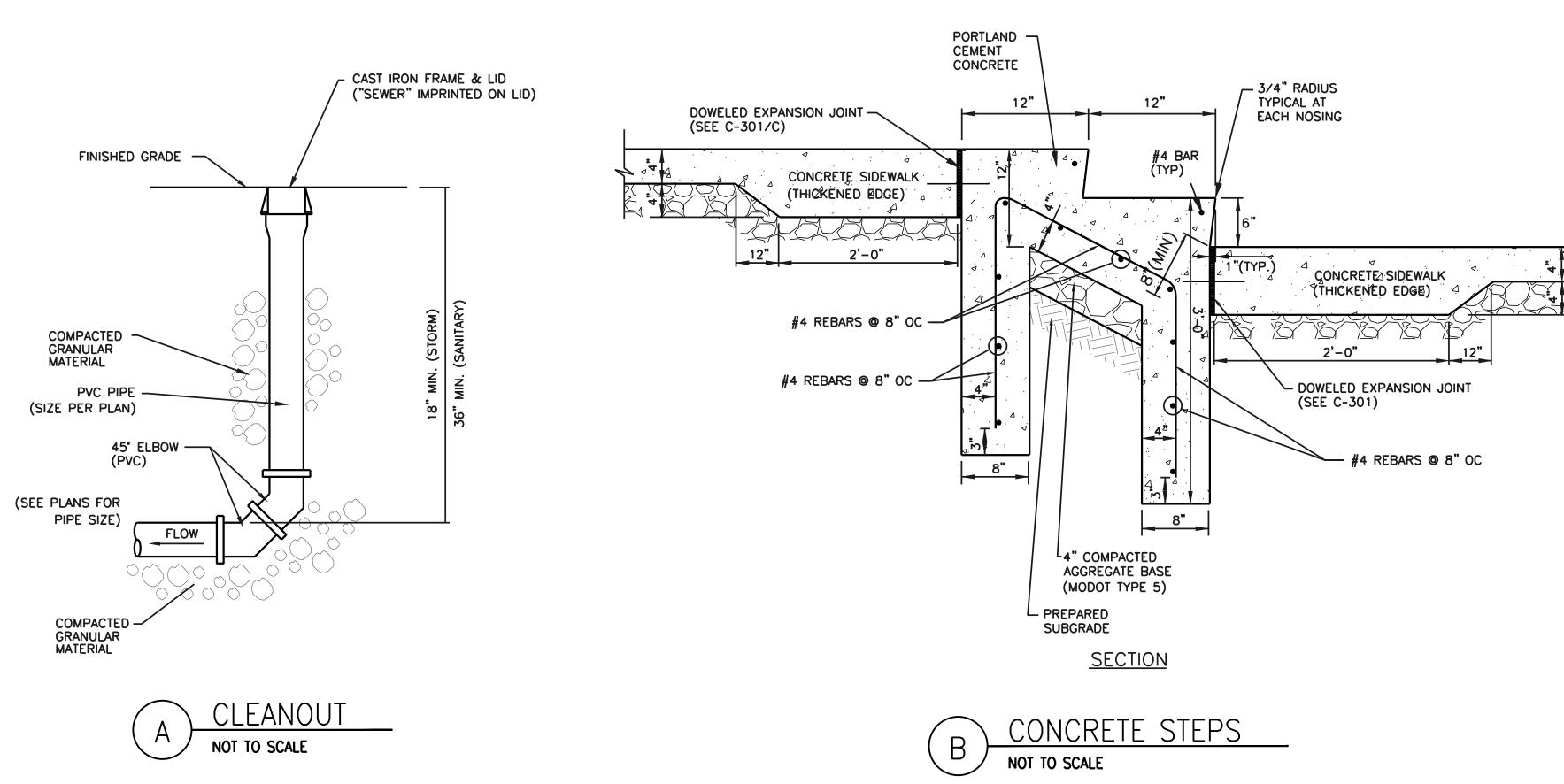
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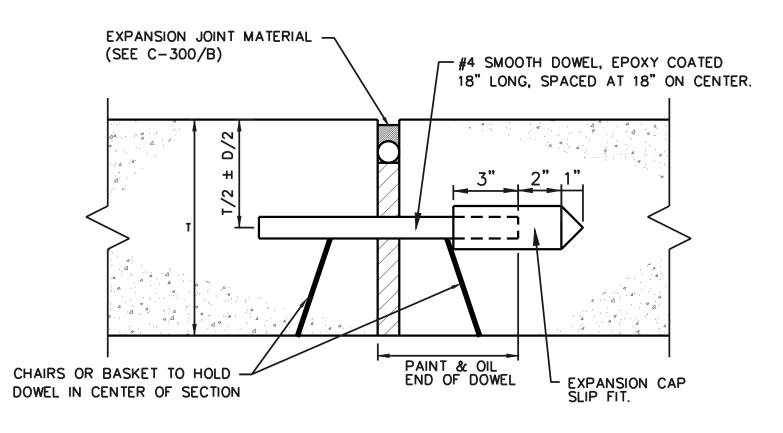
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SHEET TITLE:

CIVIL DETAILS

SHEET NUMBER:





NOTES:

GEOTEXTILE FABRIC (MIRAFI 100 X OR EQUAL) ATTACHED

FLOW

TO WIRE FRAME -

- 1. "D" DENOTES DOWEL DIAMETER
- 2. "T" DENOTES CONCRETE THICKNESS (SEE PAVEMENT SECTIONS)

GENERAL NOTES

1. DO NOT SCALE DRAWING, FOLLOW DIMENSIONS.

2. SILTATION CONTROL DEVICES TO REMAIN IN PLACE UNTIL 70% VEGETATIVE GROWTH ENSURES NO FURTHER EROSION OF THE SOIL.

3. SILTATION FENCES SHALL BE INSPECTED PERIODICALLY FOR DAMAGE AND FOR THE AMOUNT OF SEDIMENTATION WHICH HAS ACCUMULATED, REMOVAL OF SEDIMENT WILL BE REQUIRED WHEN IT REACHES 1/2 OF THE HEIGHT OF THE SILTATION FENCE.

4. ATTACHMENT OF WELDED WIRE FENCE AND GEOTEXTILE FABRIC TO BE IN ACCORDANCE WITH THE

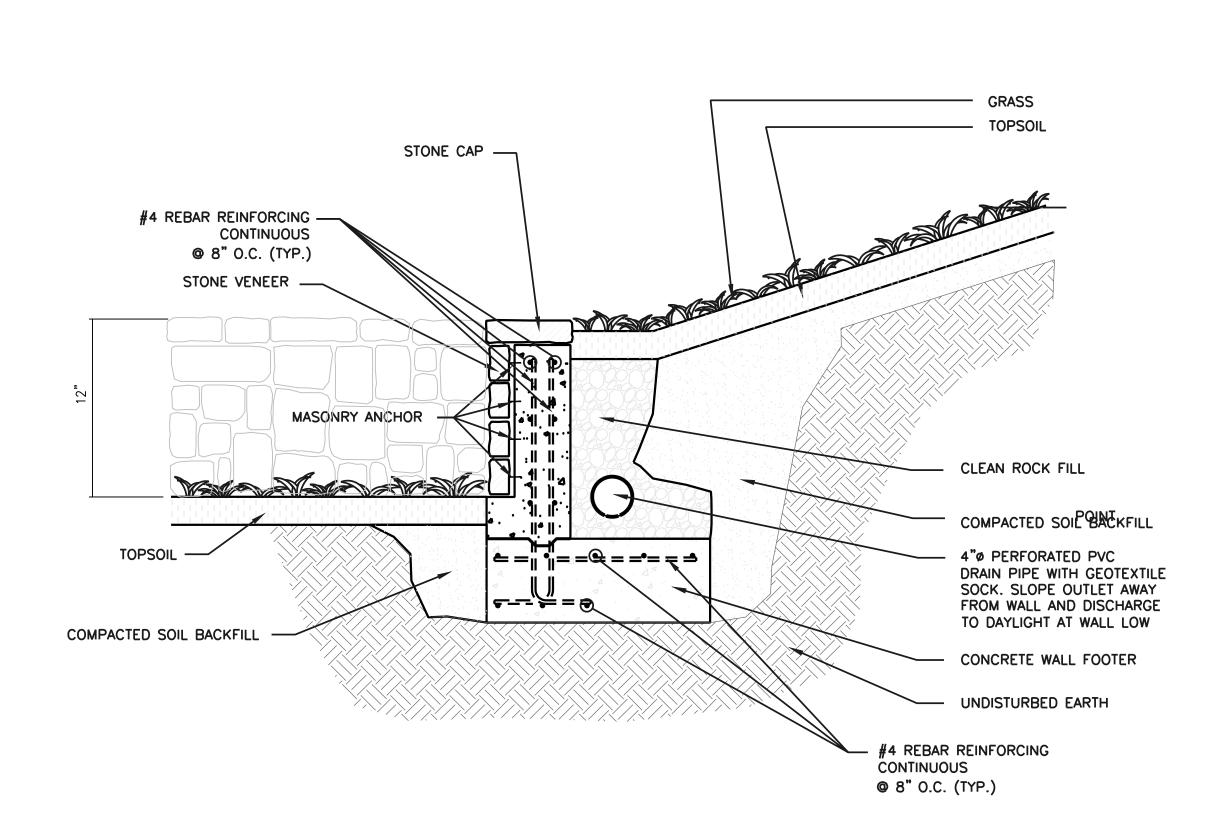
3. DOWELS SHALL BE EPOXY COATED.

TEE POST
W/ SPADE BASE

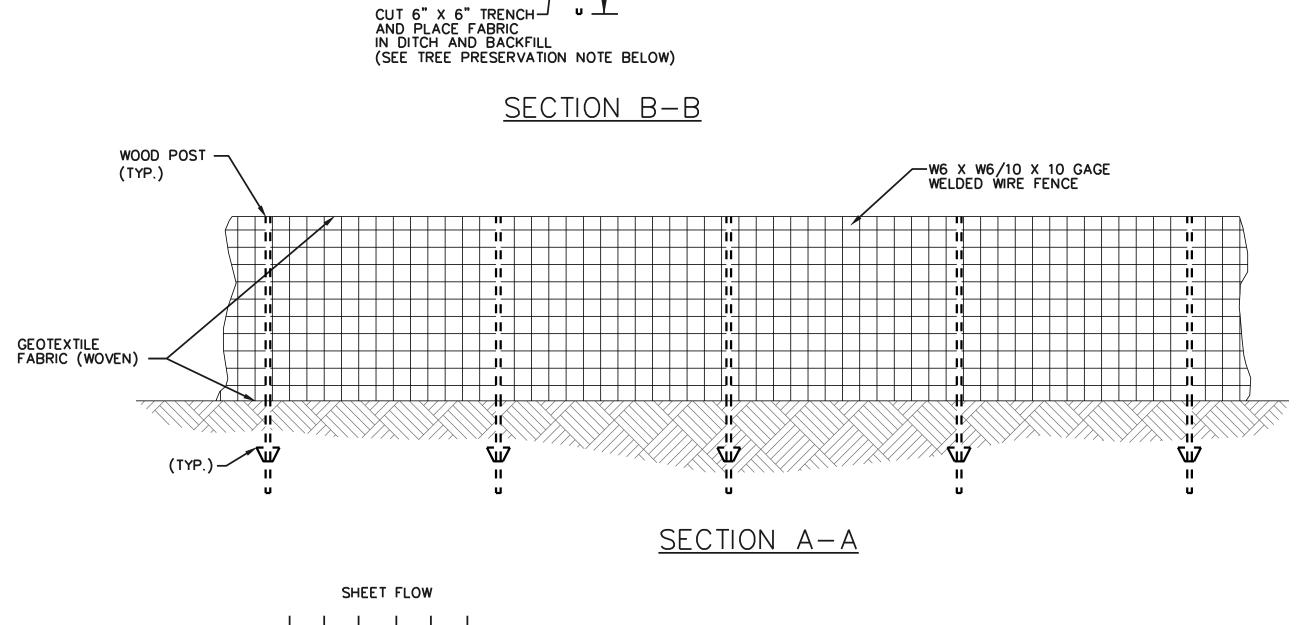
EXISTING GROUND

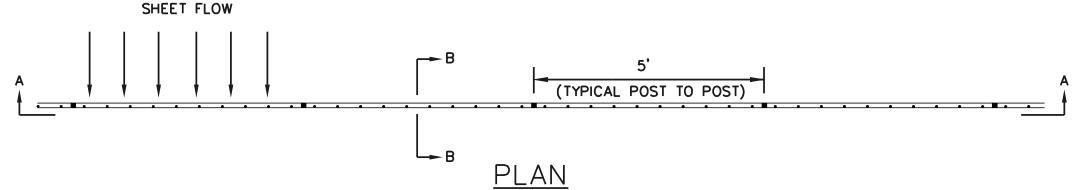
C EXPANSION JOINT - DOWELED NOT TO SCALE

NOT TO SCALE



ALTERNATE #3 - CONCRETE WALL WITH STONE VENEER NOT TO SCALE





SILTATION FENCE

NOT TO SCALE

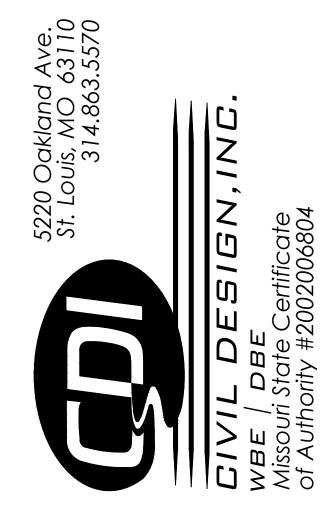
STATE OF MISSOURI MIKE KEHOE, GOVERNOR



JOHN E FALK - CIVIL ENGINEER
MO PE-2003001031

STATE OF MISSOURI
CIVIL DESIGN, INC.
ENGINEERING CORPORATION
MISSOURI STATE CERTIFICATE OF AUTHORITY
NO. 2002006804

PROFESSIONAL SEAL



OFFICE OF ADMINISTRATIO
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 1

SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT SITE #	#	X2319-01 5218
ASSET#		
CABIN #1:		7815218008
CABIN #2:		7815218007
CABIN #3:		7815218022
CABIN #4:		7815218005
CABIN #14:		7815218003
CABIN #19:		7815218019
DATE	#	REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE:
DRAWN BY:
CHECKED BY:
DESIGNED BY:
JEF

SHEET TITLE:

CIVIL DETAILS

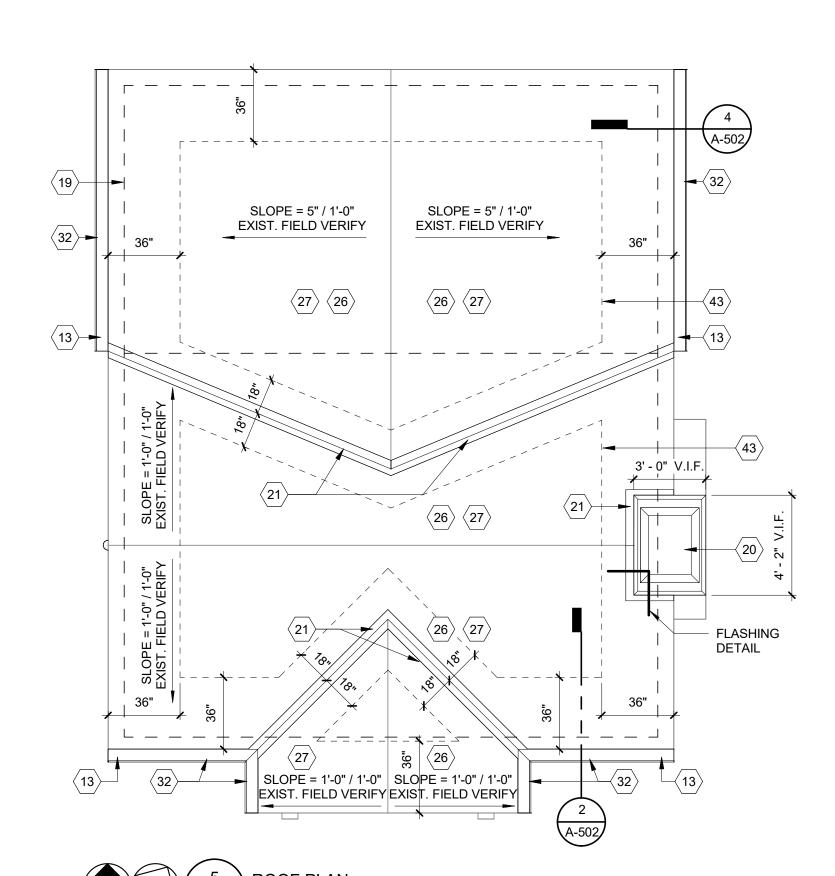
SHEET NUMBER:

C-301

- 1. ALL NEW WORK SHALL MEET ALL APPLICABLE CODE AND ORDINANCE REQUIREMENTS.
- SEE COVER SHEET FOR APPLICABLE CODES. SEE ELEVATIONS FOR DOWNSPOUT LOCATIONS.
- ALL ROOF SLOPES ARE EXISTING.
- ALL SHEET METAL PRODUCTS SHALL BE INSTALLED IN COMPLIANCE WITH THE GUIDELINES AND RECOMMENDATIONS PER THE CURRENT ADDITION OF THE SMACNA ARCHITECTURAL SHEET METAL MANUAL
- AT UNVENTED ATTIC ASSEMBLIES, AIR-IMPERMEABLE INSULATION AS DEFINED BY ASTM E 183 SHALL BE APPLIED IN DIRECT CONTACT WITH THE UNDERSIDE OF THE STRUCTURAL ROOF SHEATHING

GENERAL NOTES - REFLECTED CEILING PLANS

- 1. ALL LIGHTS AND ELECTRICAL/ DATA RECEPTACLES TO BE DETERMINED AND SELECTED BY OWNER.
- CONFIRM ALL LIGHT, SWITCH AND POWER LOCATIONS WITH OWNER.

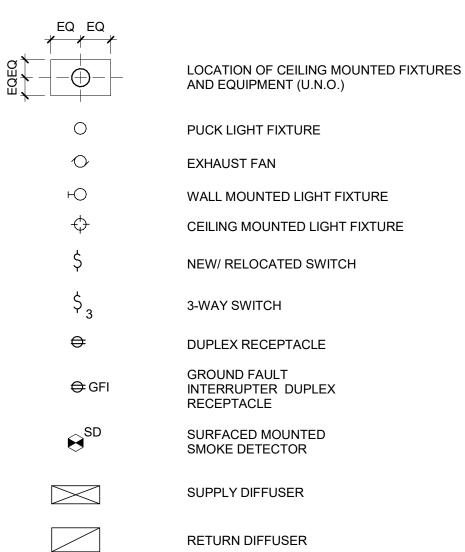


REFLECTED CEILING PLAN LEGEND

MAIN DUCT TRUNK VENT PATH ----GYPSUM BOARD CEILING (U.N.O.)

LIGHTING/ELECTRICAL LEGEND

DESCRIPTION

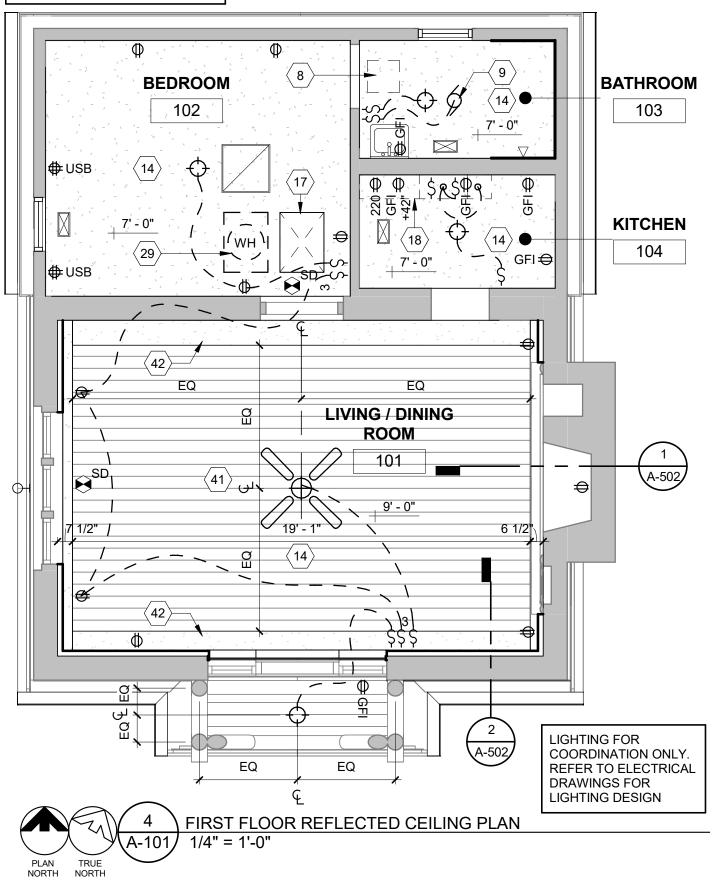


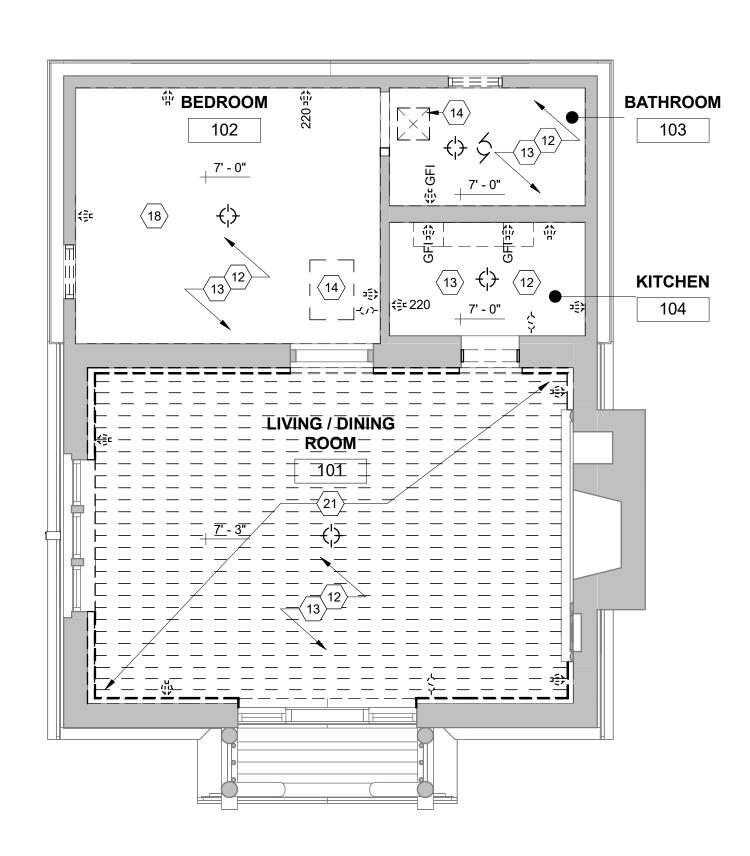
GENERAL NOTES - MASONRY RESTORATION

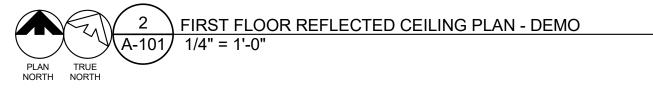
RE-POINTING OF THE AREAS WHERE LOOSE OR DETERIORATING MORTAR WILL BE DONE BY CLEANING THE EXISTING JOINTS OF MORTAR TO A DEPTH OF AT LEAST 3/4" OR 2.5 TIMES THE WIDTH OF THE JOINT, WHICHEVER IS MORE. EXISTING MORTAR TO BE REMOVED BY HAND METHODS. THE NEW MORTAR SHALL MATCH EXISTING HISTORIC MORTAR IN COLOR, TEXTURE, COMPOSITION MIX, AND JOINT PROFILE. THE MASON IS TO ADJUST THE MORTAR MIX TO A "HARDNESS" NO GREATER THEN THE MASONRY UNITS TO FACILITATE MOVEMENT. THE MASON WILL PROVIDE A TEST PATCH ON THE WALL FOR THE PURPOSES OF EXAMINING HISTORIC CONSULTANT TO ENSURE A MATCH. MASONRY DISCOLORATION AND EXCESS MORTAR TO BE GENTLY REMOVED BY HOT WATER LOW POWER WASH PROSOCO SUREKLEAN. REPAIR OR REPLACE ANY DAMAGED MASONRY, OR STONE

UNITS WITH UNITS TO MATCH IN SIZE, SHAPE, COLOR, AND TEXTURE STONE CLEANING SHOULD ADHERE TO NPS "PRESERVATION BRIEF 1: ASSESSING CLEANING AND WATER REPELLANT TREATMENTS FOR HISTORIC MASONRY

MEP FOR COORDINATION ONLY REFER TO MEP DRAWINGS FOR HVAC GRILLES, DIFFUSERS, AND REGISTERS LAYOUT

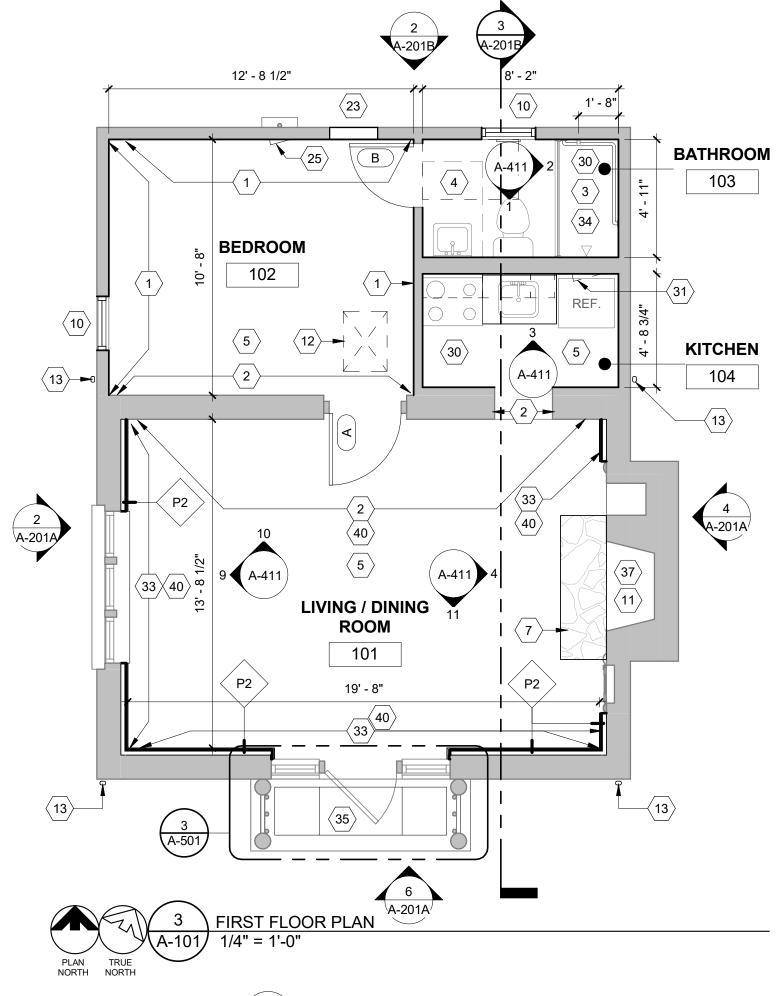


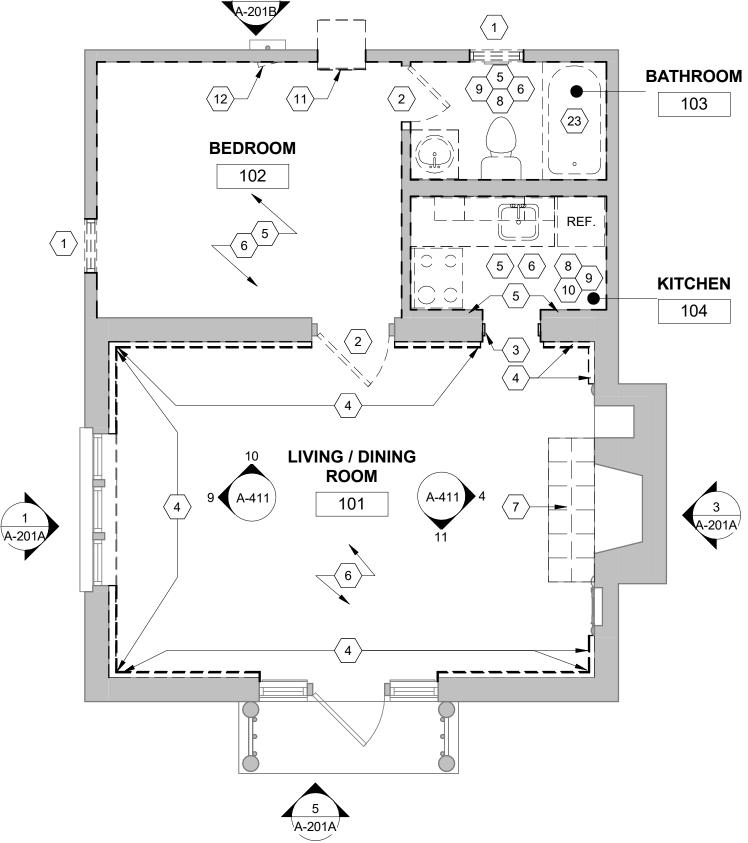




GENERAL NOTES - FLOOR PLANS

- 1. ALL GYPSUM BOARD THROUGHOUT TO BE 5/8" MINIMUM THICKNESS. ALL INTERIOR WALLS ARE PARTITION TYPE 'P1', UNLESS NOTED OTHERWISE. REFER
- TO PARTITION TYPES ON SHEET A-601. ALL INTERIOR WALL DIMENSIONS ARE TO FACE OF STUD, EXTERIOR WALLS INDICATE ENTIRE WALL SYSTEM AND ARE DIMENSIONED TO THE OUTSIDE OF STUD/CONCRETE
 - FOUNDATION.
- 4. G.C. TO PROVIDE ARCHITECT WITH SHOP DRAWINGS PRIOR TO CONSTRUCTION ACCORDING TO PRODUCT LEGEND ON SHEET A0.1.
- WINDOW SIZES ARE SHOWN ON PLAN FOR INFORMATION AND INTENT. FINAL SIZES TO BE FIELD VERIFIED AND CONFIRMED WITH WINDOW MANUFACTURER. NOTIFY ARCHITECT OF DEVIATIONS. INTERIOR FINISHES TO BE DETERMINED AND SELECTED BY OWNER. PORTION OF
- INTENDED FINISHES SHOWN FOR COORDINATION.
- FINAL KITCHEN DESIGN, LAYOUT, AND CABINET STYLE TO BE COORDINATED WITH





FIRST FLOOR PLAN - DEMO

KEYED NOTES - NEW FLOOR PLANS

- 1 NEW RANDOM WIDTH YELLOW PINE T&G BOARD PANELING. REFER TO ROOM FINISH SCHEDULE. SEE SPEC.
- EXPOSED STONE CLEAN AND RESTORE AS REQUIRED. CLEAN PATCH AND REPAIR AS REQUIRED. REGROUT EXISTING JOINTS USING MORTAR TO MATCH EXISTING COLOR AND TEXTURE. HAND TOOL REMOVAL OF LOOSE EXISTING GROUT AND PROVIDE NEW TO MATCH COLOR, TEXTURE, AND STYLE, MORTAR STRENGTH SHOULD BE LESS THAN SURROUNDING
- 6X6 TILE, SELECTED BY OWNER.
- 6X6 CERAMIC FLOOR TILE.
- LUXURY VINYL TILE
- 50 CM X 50 CM CARPET SQUARES
- STONE TILE HEARTH TO MATCH ADJACENT CABINS, CLEAN AND REFURBISH
- INFILL WITH NEW FRAMING AND GYPSUM BOARD WHERE ACCESS HATCH WAS REMOVED. 9 EXHAUST LOUVER/FAN, COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
- 10 NEW WINDOW IN OPENING SEE ELEV. FOR TYPE NEW WINDOW TO REPLICATED WITHIN HISTORIC TOLERANCES EXISTING WINDOWS PRIME AND PAINT WHERE WOOD OCCURS - TO BE INSTALLED PER WINDOW MANUFACTURES SPECIFICATIONS.
- 11 ALTERNATE #2:PRE-MANUFACTURED FIREPLACE INSERT, PROVIDE NEW POWER. SEE
- 12 DASHED LINES INDICATES ATTIC ACCESS ABOVE, COORDINATE WITH MECHANICAL. 13 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. DRAIN TO FRENCH DRAINS,
- 14 PROVIDE NEW ELECTRICAL OUTLETS, SWITCHES, AND CONDUIT THROUGHOUT, REFER TO
- ELECTRICAL DRAWINGS
- 15 GYPSUM BOARD SOFFIT 16 BASE BID: VAULTED CEILING. NEW RANDOM WIDTH YELLOW PINE T&G BOARD PANELING
- REFER TO ROOM FINISH SCHEDULE. SEE SPEC. 17 ATTIC ACCESS (22" X 30" MIN.) COORDINATE SIZE WITH HVAC/WATER HEATER DIMENSIONS
- TO BE INSTALLED IN ATTIC.
- 18 HOOD EXHAUST. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
- 19 DASHED LINE INDICATES EXTERIOR WALL BELOW 20 NEW METAL CHIMNEY CAP. 12 GUAGE HOT DIPPED GALVANIZED SHEET METAL TO MATCH
- EXISTING. PRIME AND PAINT COLOR AS SELECTED BY OWNER.
- 21 NEW EXPOSED SHEET METAL VALLEY FLASHING OVER ICE AND WATER SHEILD.
- 22 EXISTING STONE HEARTH 23 INFILL WITH NEW FRAMING/SHEATHING AND NEW LOGS WHERE AC UNIT WAS REMOVED.
- 24 NEW STONE STEPS 25 NEW ELECTRICAL PANEL

26 BASE BID: NEW ASPHALT ROOFING AND UNDERLAYMENT

- ALTERNATE #1:SYNTHETIC SHAKE SHINGLE ROOFING WITH CEDAR BREATHER BETWEEN
- 28 NEW FURNACE AND WATER HEATER
- 29 NEW WATER HEATER TANK WITH DRAIN PAN ABOVE CEILING.
- 30 MOISTURE RESISTANT GYPSUM. G.P. DENSEGLASS OR EQUAL. 31 PROVIDE 18 X 18 STEEL ACCESS PANEL DOOR, HINGED WITH LATCH, FOR SHOWER
- CONTROLS 32 NEW 6" HALF ROUND EXTENDED FLANGE GUTTER
- 33 NEW GYPSUM WALL BOARD. REFER TO ROOM FINISH SCHEDULE. SEE SPEC.
- ZERO ENTRY PRE-MANUFACTURED SHOWER BASE INSERT. PROVIDE NEW 3" DEPRESSED SLAB UNDERNEATH AS REQUIRED. ALLOW SLOT DRAIN SET IN RE-POURED CONCRETE FLOOR UNDER EXISTING TUB SHOWER.
- 35 ALTERNATE #4: NEW CONCRETE TOPPING SLAB
- 37 NEW FOAM PLUG IN FLUE TO ACHIEVE MIN. R40
- 38 SMOKE DETECTOR LOCATED IN ATTIC
- 39 NEW SURFACE MOUNTED HANDRAIL
- 40 **ALTERNATE #3:** WAINSCOAT. SEE PARTITION SCHEDULE, P3 ALTERNATE #3
- 41 EXISTING HARVESTED HALF LOG LUMBER. REATTACH TO NEW 5/8" OSB, PAINT. COLOR BY OWNER. REFER TO ROOM FINISH SCHEDULE
- 42 5/8" GYPSUM BOARD OVER EXISTING ROOF RAFTERS 43 DASHED LINE INDICATES ICE AND WATER SHIELD.
- 44 NEW RELOCATED ELECTRICAL PANEL
- 45 SEE CIVIL DRAWINGS FOR TREATMENT OF RXISTING HISTORIC FLAGSTONE

GENERAL NOTES - DEMOLITION:

- REFERENCE DEMOLITION LEGEND AND KEYED NOTES FOR ITEMS SLATED FOR REMOVAL OR MODIFICATION.
- REFERENCE M/E/P AND STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION
- 3. DEMOLITION CONTRACTOR (DC) TO TOUR ALL AREAS SLATED FOR DEMOLITION AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF DEMOLITION. DC TO REPORT TO ARCHITECT ANY DISCREPANCIES BETWEEN DEMOLITION DRAWINGS AND FIELD
- DC EXPLORATORY DEMOLITION SHALL INCLUDE DEMOLITION AT THE REQUEST OF THE STRUCTURAL ENGINEER TO VERIFY CONDITION OF HIDDEN STRUCTURAL ELEMENTS.
- DC SHALL ENCLOSE AREAS. PROVIDE CHUTES AND ANY RELATED CONSTRUCTION AS REQUIRED TO MINIMIZE THE IMPACT OF DUST AND DEBRIS AS A RESULT OF DEMOLITION
- 6. DC IS RESPONSIBLE FOR INSPECTING THE EXISTING BUILDING FOR HAZARDS THAT WOULD REQUIRE ENVIRONMENTAL REMEDIATION. DC SHALL NOTIFY OWNER MMEDIATELY UPON DISCOVERY OF ANY HAZARDOUS MATERIAL
- DC TO ENSURE THAT ALL ELEMENTS AND FINISHES THAT ARE CALLED OUT TO REMAIN IN BUILDING ARE PROTECTED DURING DEMOLITION AND STORED ONSITE. CARE SHALL BE TAKEN TO AVOID UNDUE DAMAGE TO ADJACENT AREAS AND SURFACES. COORDINATE
- DEMOLITION WORK WITH NEW WORK SHOWN ELSEWHERE IN THE DRAWINGS. OWNER TO HAVE FIRST SALVAGE RIGHTS ON ALL ITEMS. DC SHALL LEGALLY DISPOSE OF ALL ITEMS NOT TO BE REUSED IN PROJECT WHEREVER ANY DEMOLITION OCCURS.
- REMOVE ALL MISCELLANEOUS NON-STRUCTURAL METAL STRAPS, PLATES, PIPES, BRACKETS AND ANCHORS FROM INTERIOR FACADE, WALLS AND CEILING.
- 10. DC IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ANY NECESSARY PERMITS REQUIRED FOR DEMOLITION WORK.
- 11. DC TO ERECT BARRICADES THAT COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS AROUND ALL NEW AND EXISTING FLOOR PENETRATIONS.
- 12. DC TO IDENTIFY AREAS IN NEED OF STRUCTURAL REPAIR OR AREAS OF SLAB AND STRUCTURE THAT SHOW DETERIORATION. CONSULT WITH STRUCTURAL ENGINEER PRIOR TO REMOVING DAMAGED STEEL OR CONCRETE. NOTIFY ARCHITECT AND
- ENGINEER IF ANY NEW DAMAGE IS IDENTIFIED. 13. REFERENCE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) DRAWINGS FOR DEMOLITION OF MEP ITEMS.
- 14. DC TO SHUTOFF/TERMINATE ALL WATER, ELECTRICAL, AND GAS SERVICES PRIOR TO BEGINNING DEMOLITION. 15. ALL EXISTING ROOF DRAINS/LINES TO REMAIN. DC TO IDENTIFY AND MAINTAIN ALL
- EXISTING ROOF DRAINS/LINES ON ALL FLOORS THROUGHOUT DEMOLITION. 16. SHORING/SUPPORTS TO BE PROVIDED AT ALL DEMOLITION LOCATIONS AS REQUIRED B' THE STRUCTURAL ENGINEER. SEE STRUCTURAL SHEETS.
- 17. ALL STRUCTURAL COLUMNS, BEAMS, FLOOR/CEILING SLABS TO REMAIN EXCEPT WHERE INDICATED BY STRUCTURAL ENGINEER. SEE STRUCTURAL SHEETS. 18. COORDINATE THE REMOVAL AND SALVAGING OF EXISTING EQUIPMENT WITH EQUIPMENT

KEYED NOTES - DEMOLITION PLANS

- REMOVE EXISTING WINDOW.
- REMOVE EXISTING DOOR LEAF. DOOR FRAME TO REMAIN.
- REMOVE EXISTING DOOR FRAME REMOVE EXISTING WALL/PARTITION, OR PORTION THEREOF AS INDICATED, TYP.
- EXISTING PANELING TO BE REMOVED ALONG WITH ALL ASSOCIATED STRUCTURE. REMOVE EXISTING FLOOR FINISH
- PROVIDE EXPLORATORY DEMOLITION OF TILE AT EXISTING HEARTH TO DETERMINE IF
- HISTORIC STONE SUBSTRATE STILL EXIST. REMOVE ALL EXISTING CABINETRY AND COUNTERTOPS.
- REMOVE ALL EXISTING PLUMBING FIXTURES, TYP.
- 10 REMOVE ALL EXISTING APPLIANCE, TYP. 11 REMOVE EXISTING AC UNIT
- 12 REMOVE EXISTING ELECTRICAL PANEL, OUTLETS, SWITCHES, AND CONDUIT THROUGHOUT.
- 13 REMOVE EXISTING DROP CEILING, LIGHT FIXTURES, AND ASSOCIATED STRUCTURE.
- 14 REMOVE EXISTING ATTIC ACCESS HATCH.
- 15 EXISTING STONE HEARTH TO REMAIN. 16 REMOVE EXISTING STONE STEP. RETAIN FOR REUSE
- EXISTING WOOD PANELING TO BE REMOVED
- REMOVE EXISTING FURNACE AND WATER HEATER.
- REMOVE EXISTING WOOD RAILING AND POSTS. RETAIN FOR REUSE. REMOVE EXISTING GUTTER AND DOWN SPOUT
- DASHED LINES INDICATE EXPECTED LOCATION OF EXISTING HALF LOG FINISHED CEILING. CAREFULLY REMOVE EXISTING LOGS AND STORE ON SITE FOR EVALUATION AND REUSE. CLEAN AND PREP AREA FOR NEW FINISH.
- REMOVE EXISTING ELECTRICAL PANEL AND RELOCATE TO WALL ADJACENT TO BATHROOM. SEE NEW FLOOR PLANS. 23 REMOVE EXISTING CONCRETE SLAB TO DIMENSION OF EXISTING TUB.

24 SEE CIVIL DRAWINGS FOR TREATMENT OF EXISTING HISTORIC FLAGSTONE.

11/20/2025

ROBERT WILSON WAGSTAFF - ARCHITEC

STATE OF MISSOURI

MIKE KEHOE,

GOVERNOR

PROFESSIONAL SEAL

STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE

NO. 000639



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSCTRUCTION**

DEPARTMENT OF NATURAL **RESOURCES DIVISION OF STATE PARKS**

PROJECT TITLE RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT #	X2319-01
SITE#	5218

ASSET# **CABIN** #1: 7815218008 **CABIN #2:** 7815218007 7815218022 **CABIN #3:**

CABIN #4: 7815218005 CABIN #14: 7815218003 7815218019 CABIN #19:

DATE # REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE: DRAWN BY: CHECKED BY:

DESIGNED BY: SHEET TITLE:

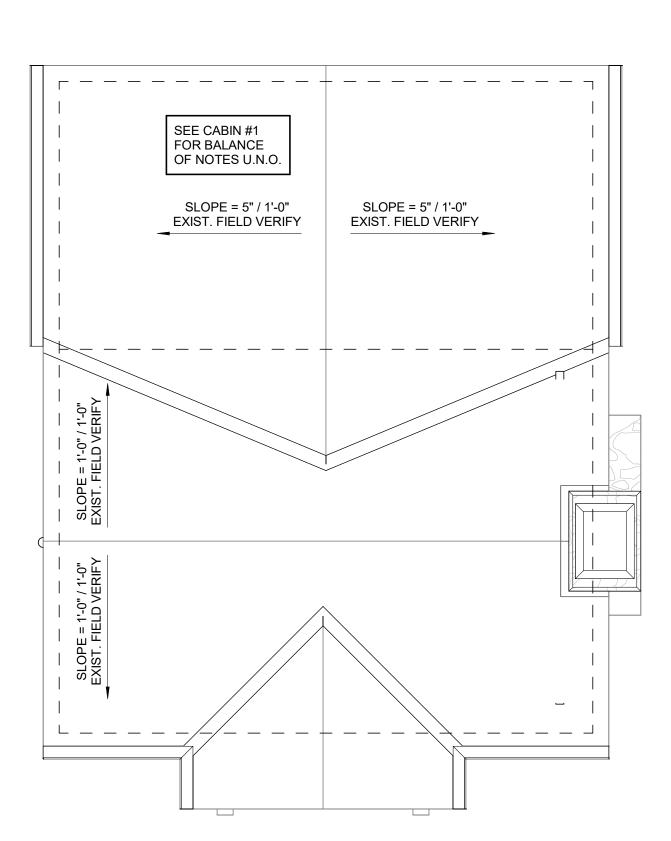
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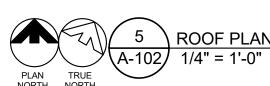
SHEET NUMBER:

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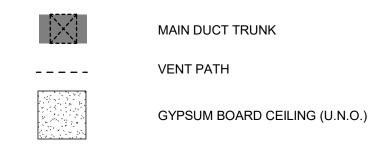
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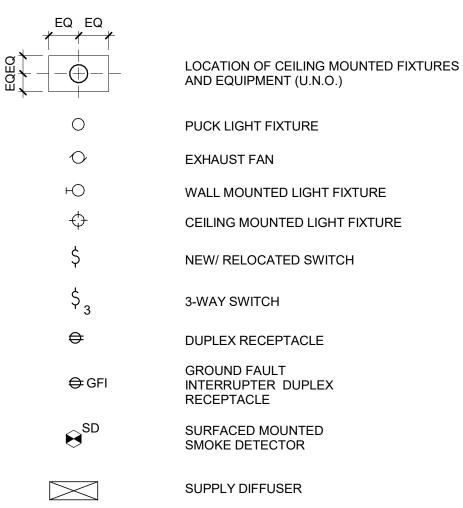


REFLECTED CEILING PLAN LEGEND



LIGHTING/ELECTRICAL LEGEND

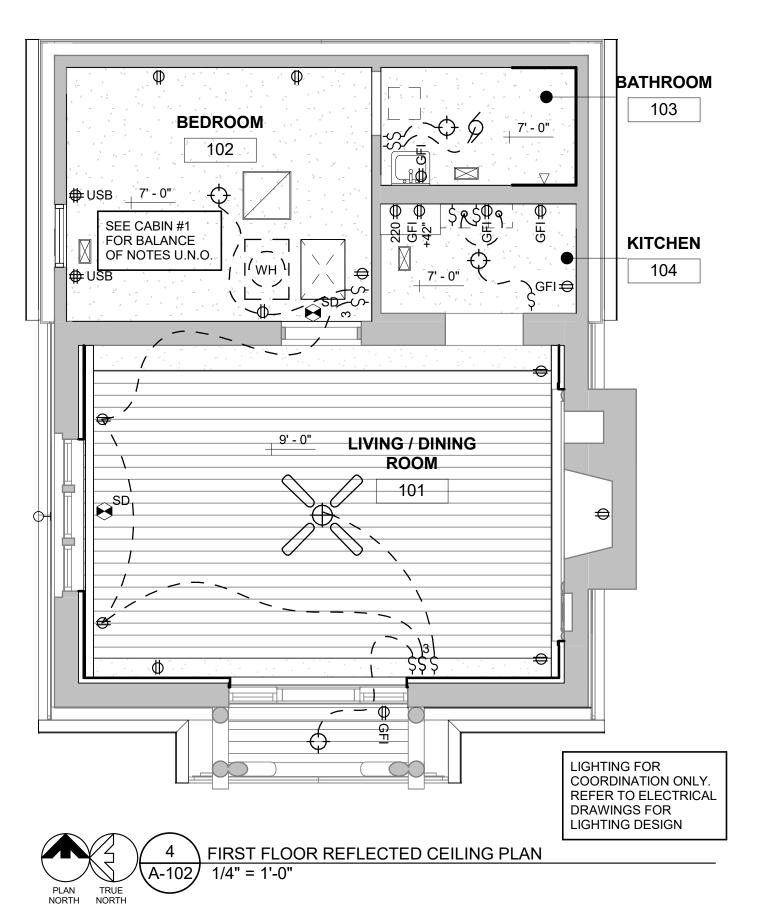
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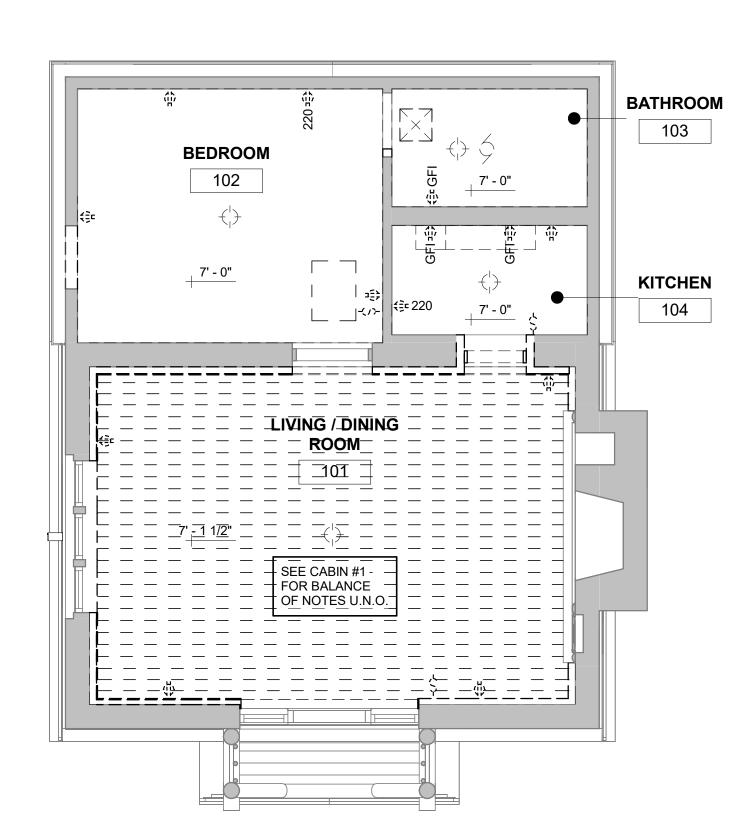


RETURN DIFFUSER

GENERAL NOTES - MASONRY RESTORATION

- RE-POINTING OF THE AREAS WHERE LOOSE OR DETERIORATING MORTAR WILL BE DONE BY CLEANING THE EXISTING JOINTS OF MORTAR TO A DEPTH OF AT LEAST 3/4" OR 2.5 TIMES THE WIDTH OF THE JOINT, WHICHEVER IS MORE. EXISTING MORTAR TO BE REMOVED BY HAND METHODS. THE NEW MORTAR SHALL MATCH EXISTING HISTORIC MORTAR IN COLOR, TEXTURE, COMPOSITION MIX, AND JOINT PROFILE. THE MASON IS TO ADJUST THE MORTAR MIX TO A "HARDNESS" NO GREATER THEN THE MASONRY UNITS TO FACILITATE MOVEMENT. THE MASON WILL PROVIDE A TEST PATCH ON THE WALL FOR THE PURPOSES OF EXAMINING HISTORIC CONSULTANT TO ENSURE A MATCH. MASONRY DISCOLORATION AND EXCESS MORTAR TO BE GENTLY REMOVED BY HOT WATER LOW POWER WASH (< 20-100 PSI) WITH A LIGHT DUTY ORGANIC SOLVENT CLEANER EQUIVALENT TO PROSOCO SUREKLEAN. REPAIR OR REPLACE ANY DAMAGED MASONRY, OR STONE UNITS WITH UNITS TO MATCH IN SIZE. SHAPE, COLOR, AND TEXTURE.
- STONE CLEANING SHOULD ADHERE TO NPS "PRESERVATION BRIEF 1: ASSESSING CLEANING AND WATER REPELLANT TREATMENTS FOR HISTORIC MASONRY

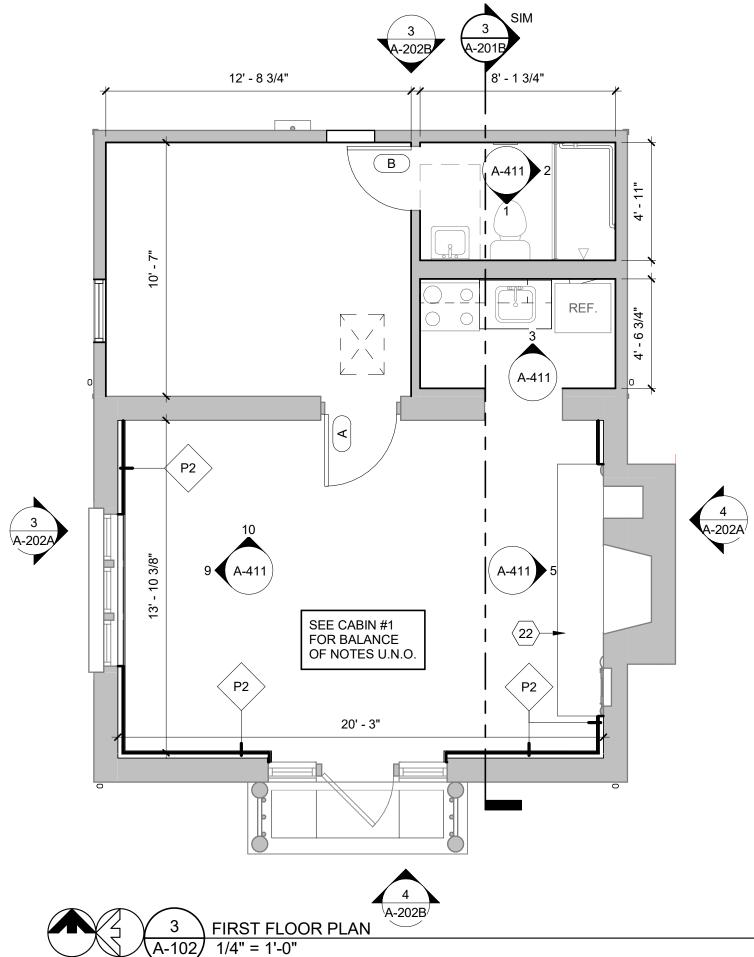


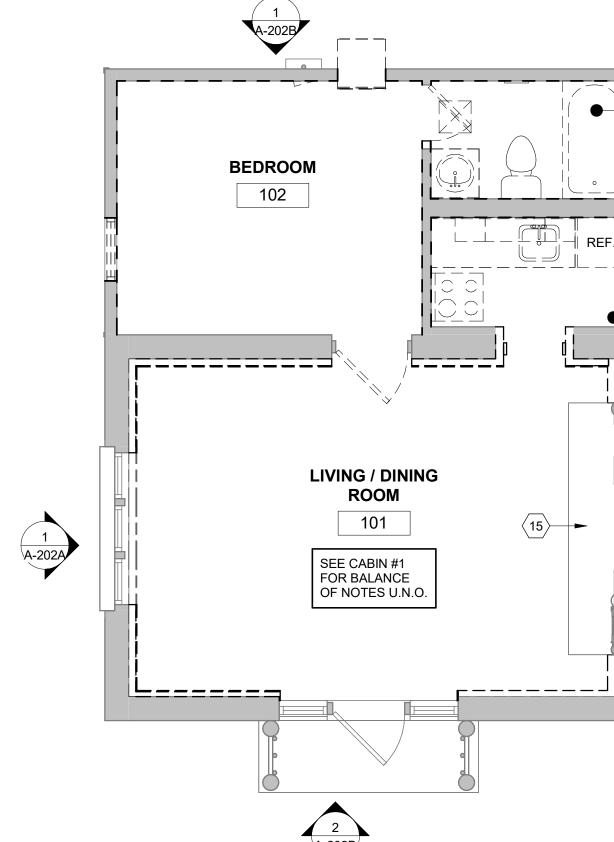


IRST FLOOR REFLECTED CEILING PLAN - DEMO

GENERAL NOTES - FLOOR PLANS

- 1. ALL GYPSUM BOARD THROUGHOUT TO BE 5/8" MINIMUM THICKNESS. ALL INTERIOR WALLS ARE PARTITION TYPE 'P1', UNLESS NOTED OTHERWISE. REFER
- TO PARTITION TYPES ON SHEET A-601. ALL INTERIOR WALL DIMENSIONS ARE TO FACE OF STUD, EXTERIOR WALLS INDICATE ENTIRE WALL SYSTEM AND ARE DIMENSIONED TO THE OUTSIDE OF STUD/CONCRETE
- FOUNDATION. 4. G.C. TO PROVIDE ARCHITECT WITH SHOP DRAWINGS PRIOR TO CONSTRUCTION ACCORDING TO PRODUCT LEGEND ON SHEET A0.1.
- WINDOW SIZES ARE SHOWN ON PLAN FOR INFORMATION AND INTENT. FINAL SIZES TO BE FIELD VERIFIED AND CONFIRMED WITH WINDOW MANUFACTURER. NOTIFY ARCHITECT OF DEVIATIONS. INTERIOR FINISHES TO BE DETERMINED AND SELECTED BY OWNER. PORTION OF
- INTENDED FINISHES SHOWN FOR COORDINATION.
- 7. FINAL KITCHEN DESIGN, LAYOUT, AND CABINET STYLE TO BE COORDINATED WITH





FIRST FLOOR PLAN - DEMO

KEYED NOTES - NEW FLOOR PLANS

- 1 NEW RANDOM WIDTH YELLOW PINE T&G BOARD PANELING. REFER TO ROOM FINISH SCHEDULE. SEE SPEC.
- EXPOSED STONE CLEAN AND RESTORE AS REQUIRED. CLEAN PATCH AND REPAIR AS REQUIRED. REGROUT EXISTING JOINTS USING MORTAR TO MATCH EXISTING COLOR AND TEXTURE. HAND TOOL REMOVAL OF LOOSE EXISTING GROUT AND PROVIDE NEW TO MATCH COLOR, TEXTURE, AND STYLE, MORTAR STRENGTH SHOULD BE LESS THAN SURROUNDING
 - 6X6 TILE, SELECTED BY OWNER.
- 6X6 CERAMIC FLOOR TILE.
- LUXURY VINYL TILE
- 50 CM X 50 CM CARPET SQUARES. STONE TILE HEARTH TO MATCH ADJACENT CABINS, CLEAN AND REFURBISH
- 8 INFILL WITH NEW FRAMING AND GYPSUM BOARD WHERE ACCESS HATCH WAS REMOVED.
- 9 EXHAUST LOUVER/FAN, COORDINATE LOCATION WITH MECHANICAL DRAWINGS. 10 NEW WINDOW IN OPENING - SEE ELEV. FOR TYPE - NEW WINDOW TO REPLICATED WITHIN HISTORIC TOLERANCES EXISTING WINDOWS PRIME AND PAINT WHERE WOOD OCCURS - TO
- BE INSTALLED PER WINDOW MANUFACTURES SPECIFICATIONS. 11 ALTERNATE #2:PRE-MANUFACTURED FIREPLACE INSERT, PROVIDE NEW POWER. SEE
- 12 DASHED LINES INDICATES ATTIC ACCESS ABOVE, COORDINATE WITH MECHANICAL.
- 13 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. DRAIN TO FRENCH DRAINS,
- 14 PROVIDE NEW ELECTRICAL OUTLETS, SWITCHES, AND CONDUIT THROUGHOUT, REFER TO
- 15 GYPSUM BOARD SOFFIT
- 16 BASE BID: VAULTED CEILING. NEW RANDOM WIDTH YELLOW PINE T&G BOARD PANELING.
- REFER TO ROOM FINISH SCHEDULE. SEE SPEC. 17 ATTIC ACCESS (22" X 30" MIN.) COORDINATE SIZE WITH HVAC/WATER HEATER DIMENSIONS
- TO BE INSTALLED IN ATTIC. 18 HOOD EXHAUST. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
- 19 DASHED LINE INDICATES EXTERIOR WALL BELOW 20 NEW METAL CHIMNEY CAP. 12 GUAGE HOT DIPPED GALVANIZED SHEET METAL TO MATCH
- EXISTING. PRIME AND PAINT COLOR AS SELECTED BY OWNER.
- 21 NEW EXPOSED SHEET METAL VALLEY FLASHING OVER ICE AND WATER SHEILD.
- 22 EXISTING STONE HEARTH
- 23 INFILL WITH NEW FRAMING/SHEATHING AND NEW LOGS WHERE AC UNIT WAS REMOVED. 24 NEW STONE STEPS
- 26 BASE BID: NEW ASPHALT ROOFING AND UNDERLAYMENT
- 27 ALTERNATE #1:SYNTHETIC SHAKE SHINGLE ROOFING WITH CEDAR BREATHER BETWEEN
- 28 NEW FURNACE AND WATER HEATER

25 NEW ELECTRICAL PANEL

- 29 NEW WATER HEATER TANK WITH DRAIN PAN ABOVE CEILING.
- 30 MOISTURE RESISTANT GYPSUM. G.P. DENSEGLASS OR EQUAL. 31 PROVIDE 18 X 18 STEEL ACCESS PANEL DOOR, HINGED WITH LATCH, FOR SHOWER
- CONTROLS 32 NEW 6" HALF ROUND EXTENDED FLANGE GUTTER
- 33 NEW GYPSUM WALL BOARD. REFER TO ROOM FINISH SCHEDULE. SEE SPEC.
- ZERO ENTRY PRE-MANUFACTURED SHOWER BASE INSERT. PROVIDE NEW 3" DEPRESSED SLAB UNDERNEATH AS REQUIRED. ALLOW SLOT DRAIN SET IN RE-POURED CONCRETE FLOOR UNDER EXISTING TUB SHOWER.
- **ALTERNATE #4: NEW CONCRETE TOPPING SLAB**
- 37 NEW FOAM PLUG IN FLUE TO ACHIEVE MIN. R40
- 38 SMOKE DETECTOR LOCATED IN ATTIC
- 39 NEW SURFACE MOUNTED HANDRAIL
- 40 ALTERNATE #3: WAINSCOAT. SEE PARTITION SCHEDULE, P3 ALTERNATE #3 41 EXISTING HARVESTED HALF LOG LUMBER. REATTACH TO NEW 5/8" OSB, PAINT. COLOR BY
- OWNER. REFER TO ROOM FINISH SCHEDULE
- 42 5/8" GYPSUM BOARD OVER EXISTING ROOF RAFTERS 43 DASHED LINE INDICATES ICE AND WATER SHIELD.
- 44 NEW RELOCATED ELECTRICAL PANEL
- 45 SEE CIVIL DRAWINGS FOR TREATMENT OF RXISTING HISTORIC FLAGSTONE

GENERAL NOTES - DEMOLITION:

- REFERENCE DEMOLITION LEGEND AND KEYED NOTES FOR ITEMS SLATED FOR REMOVAL OR MODIFICATION.
- REFERENCE M/E/P AND STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION
- 3. DEMOLITION CONTRACTOR (DC) TO TOUR ALL AREAS SLATED FOR DEMOLITION AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF DEMOLITION. DC TO REPORT TO ARCHITECT ANY DISCREPANCIES BETWEEN DEMOLITION DRAWINGS AND FIELD
- DC EXPLORATORY DEMOLITION SHALL INCLUDE DEMOLITION AT THE REQUEST OF THE STRUCTURAL ENGINEER TO VERIFY CONDITION OF HIDDEN STRUCTURAL ELEMENTS.
- DC SHALL ENCLOSE AREAS, PROVIDE CHUTES AND ANY RELATED CONSTRUCTION AS REQUIRED TO MINIMIZE THE IMPACT OF DUST AND DEBRIS AS A RESULT OF DEMOLITION
- 6. DC IS RESPONSIBLE FOR INSPECTING THE EXISTING BUILDING FOR HAZARDS THAT WOULD REQUIRE ENVIRONMENTAL REMEDIATION. DC SHALL NOTIFY OWNER
- IMMEDIATELY UPON DISCOVERY OF ANY HAZARDOUS MATERIAL DC TO ENSURE THAT ALL ELEMENTS AND FINISHES THAT ARE CALLED OUT TO REMAIN IN
- BUILDING ARE PROTECTED DURING DEMOLITION AND STORED ONSITE. CARE SHALL BE TAKEN TO AVOID UNDUE DAMAGE TO ADJACENT AREAS AND SURFACES. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ELSEWHERE IN THE DRAWINGS.
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- 11. DC TO ERECT BARRICADES THAT COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS AROUND ALL NEW AND EXISTING FLOOR PENETRATIONS.
- 12. DC TO IDENTIFY AREAS IN NEED OF STRUCTURAL REPAIR OR AREAS OF SLAB AND STRUCTURE THAT SHOW DETERIORATION. CONSULT WITH STRUCTURAL ENGINEER PRIOR TO REMOVING DAMAGED STEEL OR CONCRETE. NOTIFY ARCHITECT AND
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- 15. ALL EXISTING ROOF DRAINS/LINES TO REMAIN. DC TO IDENTIFY AND MAINTAIN ALL EXISTING ROOF DRAINS/LINES ON ALL FLOORS THROUGHOUT DEMOLITION. 16. SHORING/SUPPORTS TO BE PROVIDED AT ALL DEMOLITION LOCATIONS AS REQUIRED B' THE STRUCTURAL ENGINEER. SEE STRUCTURAL SHEETS.
- 17. ALL STRUCTURAL COLUMNS, BEAMS, FLOOR/CEILING SLABS TO REMAIN EXCEPT WHERE INDICATED BY STRUCTURAL ENGINEER. SEE STRUCTURAL SHEETS.
- 18. COORDINATE THE REMOVAL AND SALVAGING OF EXISTING EQUIPMENT WITH EQUIPMENT

KEYED NOTES - DEMOLITION PLANS

REMOVE EXISTING WINDOW.

BATHROOM

103

KITCHEN

104

- REMOVE EXISTING DOOR LEAF. DOOR FRAME TO REMAIN. REMOVE EXISTING DOOR FRAME
- REMOVE EXISTING WALL/PARTITION, OR PORTION THEREOF AS INDICATED, TYP.
- EXISTING PANELING TO BE REMOVED ALONG WITH ALL ASSOCIATED STRUCTURE.
- REMOVE EXISTING FLOOR FINISH PROVIDE EXPLORATORY DEMOLITION OF TILE AT EXISTING HEARTH TO DETERMINE IF
- HISTORIC STONE SUBSTRATE STILL EXIST. REMOVE ALL EXISTING CABINETRY AND COUNTERTOPS.
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- 10 REMOVE ALL EXISTING APPLIANCE, TYP. 11 REMOVE EXISTING AC UNIT
- 12 REMOVE EXISTING ELECTRICAL PANEL, OUTLETS, SWITCHES, AND CONDUIT THROUGHOUT
- 13 REMOVE EXISTING DROP CEILING, LIGHT FIXTURES, AND ASSOCIATED STRUCTURE. 14 REMOVE EXISTING ATTIC ACCESS HATCH.
- 15 EXISTING STONE HEARTH TO REMAIN.
- 16 REMOVE EXISTING STONE STEP. RETAIN FOR REUSE
- 17 EXISTING WOOD PANELING TO BE REMOVED
- REMOVE EXISTING FURNACE AND WATER HEATER.
- 19 REMOVE EXISTING WOOD RAILING AND POSTS. RETAIN FOR REUSE. REMOVE EXISTING GUTTER AND DOWN SPOUT

23 REMOVE EXISTING CONCRETE SLAB TO DIMENSION OF EXISTING TUB. 24 SEE CIVIL DRAWINGS FOR TREATMENT OF EXISTING HISTORIC FLAGSTONE.

- DASHED LINES INDICATE EXPECTED LOCATION OF EXISTING HALF LOG FINISHED CEILING. CAREFULLY REMOVE EXISTING LOGS AND STORE ON SITE FOR EVALUATION
- AND REUSE. CLEAN AND PREP AREA FOR NEW FINISH. REMOVE EXISTING ELECTRICAL PANEL AND RELOCATE TO WALL ADJACENT TO BATHROOM. SEE NEW FLOOR PLANS.



STATE OF MISSOURI

MIKE KEHOE,

GOVERNOR

ROBERT WILSON WAGSTAFF - ARCHITEC STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE

NO. 000639

PROFESSIONAL SEAL



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL **RESOURCES DIVISION OF STATE PARKS**

PROJECT TITLE RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT #	X2319-01
SITE#	5218

ASSET # CABIN #1: 7815218008 **CABIN #2:** 7815218007 7815218022 **CABIN #3:**

CABIN #4: 7815218005 CABIN #14: 7815218003 7815218019 CABIN #19:

DATE # REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE: DRAWN BY: CHECKED BY:

SHEET TITLE:

DESIGNED BY:

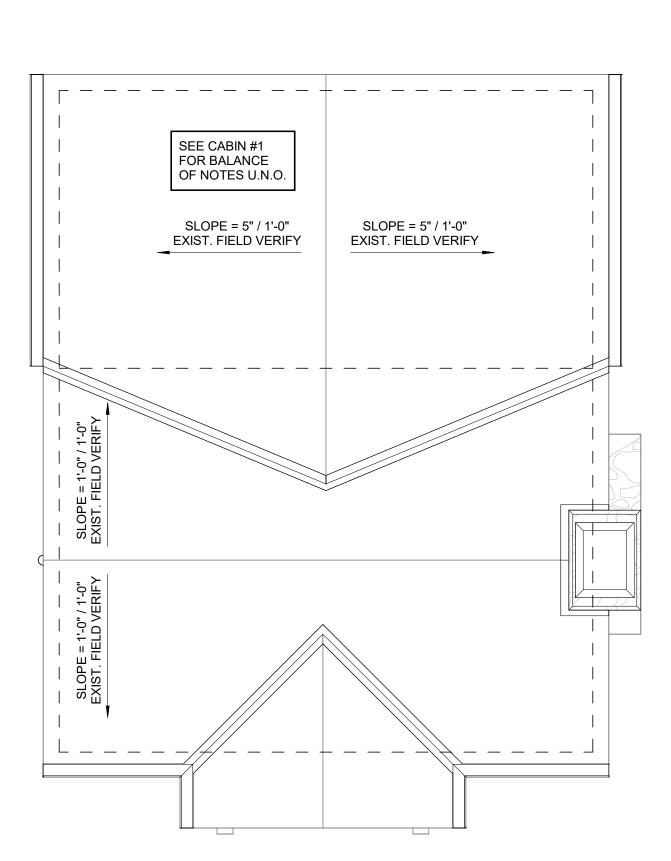
CABIN #2 - FLOOR **PLANS**

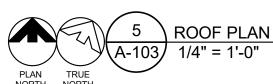
SHEET NUMBER:

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- ALL ROOF SLOPES ARE EXISTING.
- ALL SHEET METAL PRODUCTS SHALL BE INSTALLED IN COMPLIANCE WITH THE GUIDELINES AND RECOMMENDATIONS PER THE CURRENT ADDITION OF THE SMACNA ARCHITECTURAL SHEET METAL MANUAL
- AT UNVENTED ATTIC ASSEMBLIES, AIR-IMPERMEABLE INSULATION AS DEFINED BY ASTM E 183 SHALL BE APPLIED IN DIRECT CONTACT WITH THE UNDERSIDE OF THE STRUCTURAL ROOF SHEATHING

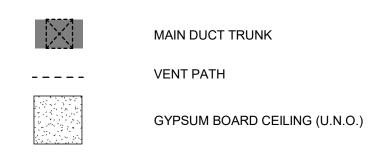
GENERAL NOTES - REFLECTED CEILING PLANS

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- CONFIRM ALL LIGHT, SWITCH AND POWER LOCATIONS WITH OWNER.



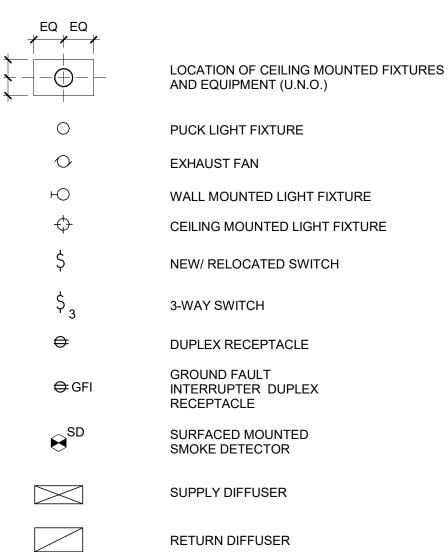


REFLECTED CEILING PLAN LEGEND



LIGHTING/ELECTRICAL LEGEND

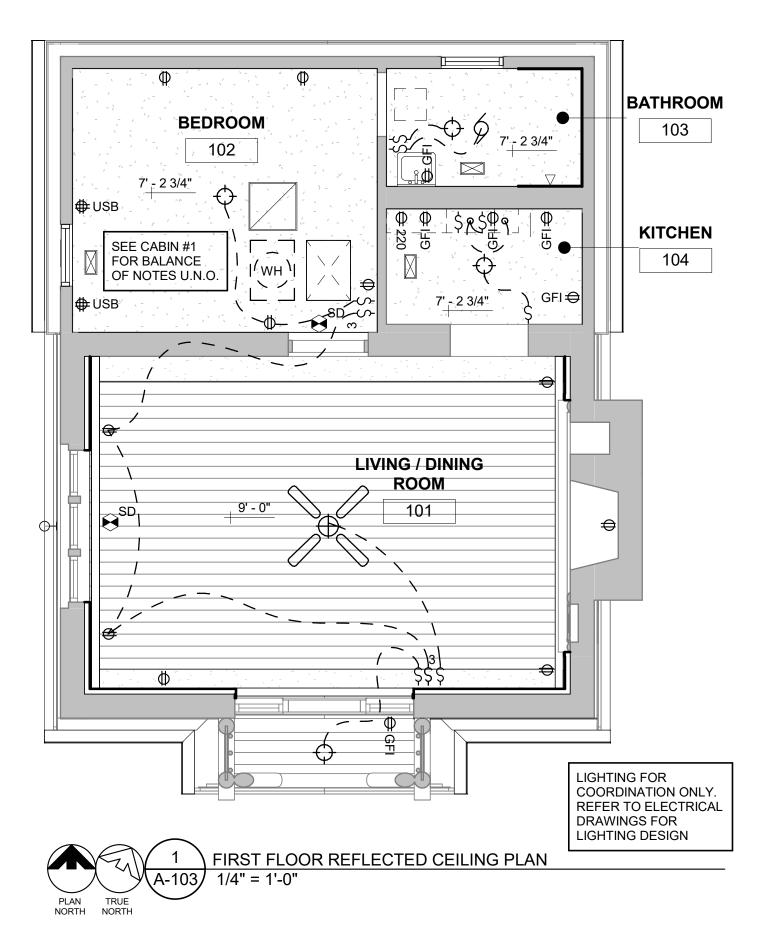
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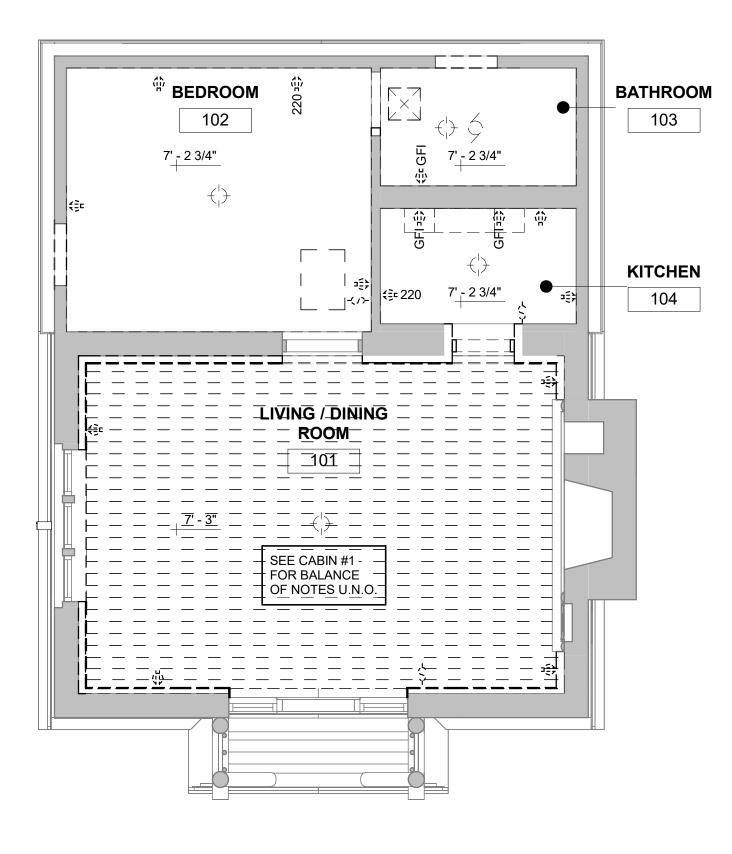


GENERAL NOTES - MASONRY RESTORATION

RE-POINTING OF THE AREAS WHERE LOOSE OR DETERIORATING MORTAR WILL BE DONE BY CLEANING THE EXISTING JOINTS OF MORTAR TO A DEPTH OF AT LEAST 3/4" OR 2.5 TIMES THE WIDTH OF THE JOINT, WHICHEVER IS MORE. EXISTING MORTAR TO BE REMOVED BY HAND METHODS. THE NEW MORTAR SHALL MATCH EXISTING HISTORIC MORTAR IN COLOR, TEXTURE, COMPOSITION MIX, AND JOINT PROFILE. THE MASON IS TO ADJUST THE MORTAR MIX TO A "HARDNESS" NO GREATER THEN THE MASONRY UNITS TO FACILITATE MOVEMENT. THE MASON WILL PROVIDE A TEST PATCH ON THE WALL FOR THE PURPOSES OF EXAMINING HISTORIC CONSULTANT TO ENSURE A MATCH. MASONRY DISCOLORATION AND EXCESS MORTAR TO BE GENTLY REMOVED BY HOT WATER LOW POWER WASH (< 20-100 PSI) WITH A LIGHT DUTY ORGANIC SOLVENT CLEANER EQUIVALENT TO PROSOCO SUREKLEAN. REPAIR OR REPLACE ANY DAMAGED MASONRY, OR STONE

UNITS WITH UNITS TO MATCH IN SIZE, SHAPE, COLOR, AND TEXTURE STONE CLEANING SHOULD ADHERE TO NPS "PRESERVATION BRIEF 1: ASSESSING CLEANING AND WATER REPELLANT TREATMENTS FOR HISTORIC MASONRY

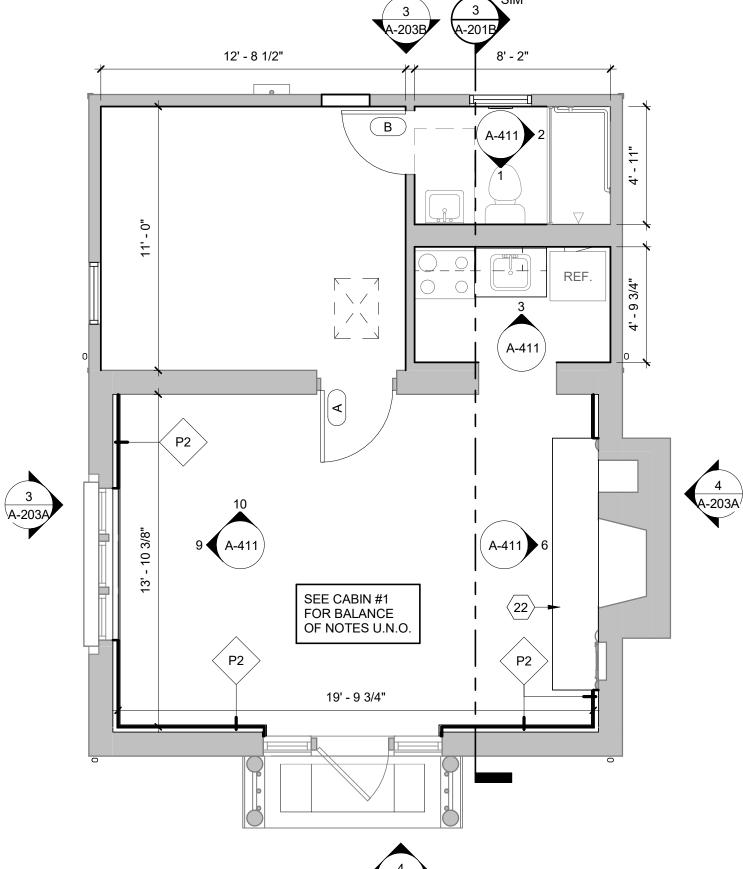


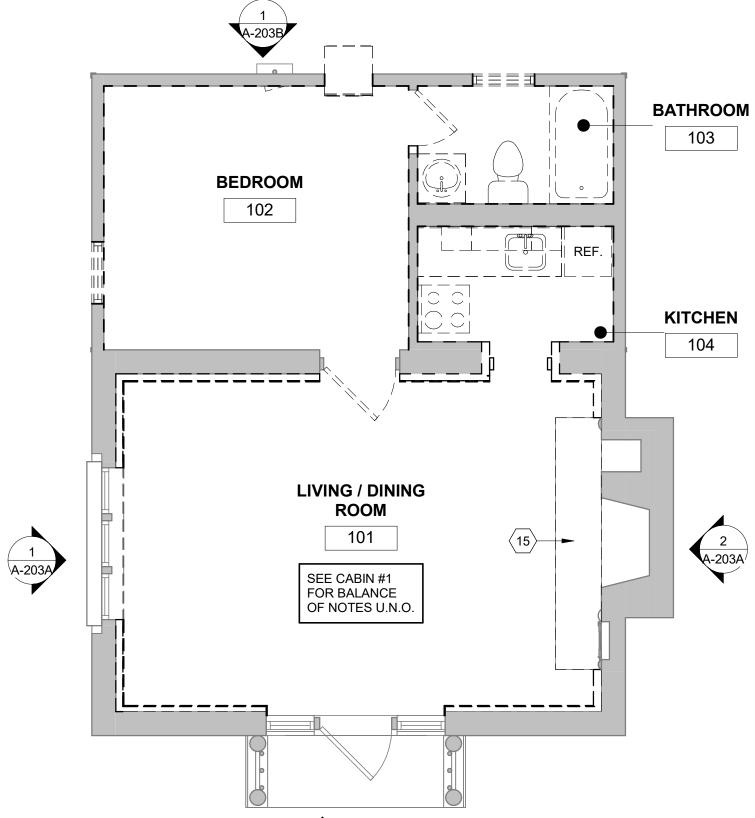


OOR REFLECTED CEILING PLAN - DEMO

GENERAL NOTES - FLOOR PLANS

- 1. ALL GYPSUM BOARD THROUGHOUT TO BE 5/8" MINIMUM THICKNESS. ALL INTERIOR WALLS ARE PARTITION TYPE 'P1', UNLESS NOTED OTHERWISE. REFER
- TO PARTITION TYPES ON SHEET A-601. ALL INTERIOR WALL DIMENSIONS ARE TO FACE OF STUD, EXTERIOR WALLS INDICATE
 - ENTIRE WALL SYSTEM AND ARE DIMENSIONED TO THE OUTSIDE OF STUD/CONCRETE FOUNDATION.
- 4. G.C. TO PROVIDE ARCHITECT WITH SHOP DRAWINGS PRIOR TO CONSTRUCTION ACCORDING TO PRODUCT LEGEND ON SHEET A0.1.
- WINDOW SIZES ARE SHOWN ON PLAN FOR INFORMATION AND INTENT. FINAL SIZES TO BE FIELD VERIFIED AND CONFIRMED WITH WINDOW MANUFACTURER. NOTIFY ARCHITECT OF DEVIATIONS. INTERIOR FINISHES TO BE DETERMINED AND SELECTED BY OWNER. PORTION OF
- INTENDED FINISHES SHOWN FOR COORDINATION.
- 7. FINAL KITCHEN DESIGN, LAYOUT, AND CABINET STYLE TO BE COORDINATED WITH





KEYED NOTES - NEW FLOOR PLANS

- 1 NEW RANDOM WIDTH YELLOW PINE T&G BOARD PANELING. REFER TO ROOM FINISH SCHEDULE. SEE SPEC.
- EXPOSED STONE CLEAN AND RESTORE AS REQUIRED. CLEAN PATCH AND REPAIR AS REQUIRED. REGROUT EXISTING JOINTS USING MORTAR TO MATCH EXISTING COLOR AND TEXTURE. HAND TOOL REMOVAL OF LOOSE EXISTING GROUT AND PROVIDE NEW TO MATCH COLOR, TEXTURE, AND STYLE, MORTAR STRENGTH SHOULD BE LESS THAN SURROUNDING
 - 6X6 TILE, SELECTED BY OWNER.
 - 6X6 CERAMIC FLOOR TILE. LUXURY VINYL TILE
- 50 CM X 50 CM CARPET SQUARES.
- STONE TILE HEARTH TO MATCH ADJACENT CABINS, CLEAN AND REFURBISH

BE INSTALLED PER WINDOW MANUFACTURES SPECIFICATIONS.

- 8 INFILL WITH NEW FRAMING AND GYPSUM BOARD WHERE ACCESS HATCH WAS REMOVED. 9 EXHAUST LOUVER/FAN, COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
- 10 NEW WINDOW IN OPENING SEE ELEV. FOR TYPE NEW WINDOW TO REPLICATED WITHIN HISTORIC TOLERANCES EXISTING WINDOWS PRIME AND PAINT WHERE WOOD OCCURS - TO
- 11 ALTERNATE #2:PRE-MANUFACTURED FIREPLACE INSERT, PROVIDE NEW POWER. SEE
- 12 DASHED LINES INDICATES ATTIC ACCESS ABOVE, COORDINATE WITH MECHANICAL.
- 13 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. DRAIN TO FRENCH DRAINS,
- 14 PROVIDE NEW ELECTRICAL OUTLETS, SWITCHES, AND CONDUIT THROUGHOUT, REFER TO
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- 33 NEW GYPSUM WALL BOARD. REFER TO ROOM FINISH SCHEDULE. SEE SPEC. ZERO ENTRY PRE-MANUFACTURED SHOWER BASE INSERT. PROVIDE NEW 3" DEPRESSED
- SLAB UNDERNEATH AS REQUIRED. ALLOW SLOT DRAIN SET IN RE-POURED CONCRETE FLOOR UNDER EXISTING TUB SHOWER.
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- 37 NEW FOAM PLUG IN FLUE TO ACHIEVE MIN. R40
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- 42 5/8" GYPSUM BOARD OVER EXISTING ROOF RAFTERS
- 43 DASHED LINE INDICATES ICE AND WATER SHIELD.
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- 3. DEMOLITION CONTRACTOR (DC) TO TOUR ALL AREAS SLATED FOR DEMOLITION AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF DEMOLITION. DC TO REPORT TO ARCHITECT ANY DISCREPANCIES BETWEEN DEMOLITION DRAWINGS AND FIELD
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KEYED NOTES - DEMOLITION PLANS

REMOVE EXISTING WINDOW.

103

104

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PROFESSIONAL SEAL



DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSCTRUCTION

OFFICE OF ADMINISTRATION

DEPARTMENT OF NATURAL **RESOURCES DIVISION OF STATE PARKS**

PROJECT TITLE RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 5218

ASSET **CABIN** #1: 7815218008 **CABIN #2:** 7815218007 7815218022 **CABIN #3:**

CABIN #4: 7815218005 CABIN #14: 7815218003 CABIN #19: 7815218019

DATE # REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE: DRAWN BY: CHECKED BY:

DESIGNED BY: SHEET TITLE:

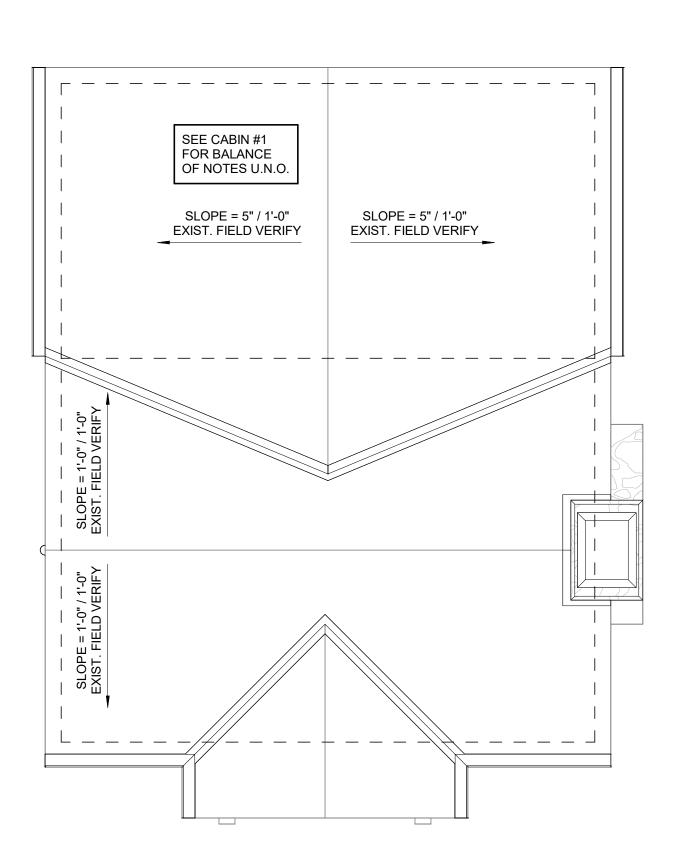
CABIN #3 - FLOOR **PLANS**

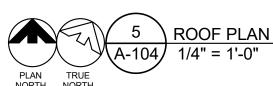
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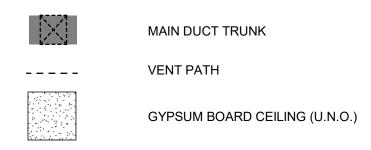
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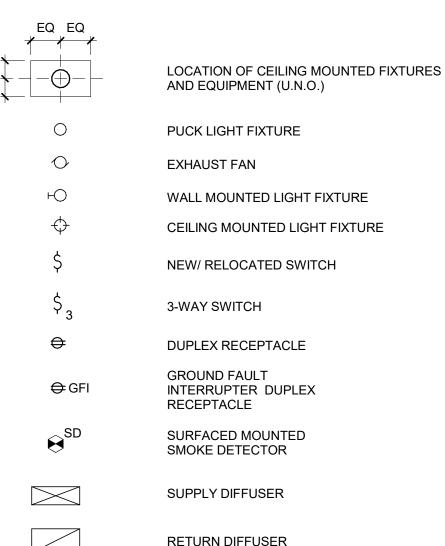


REFLECTED CEILING PLAN LEGEND



LIGHTING/ELECTRICAL LEGEND

DESCRIPTION



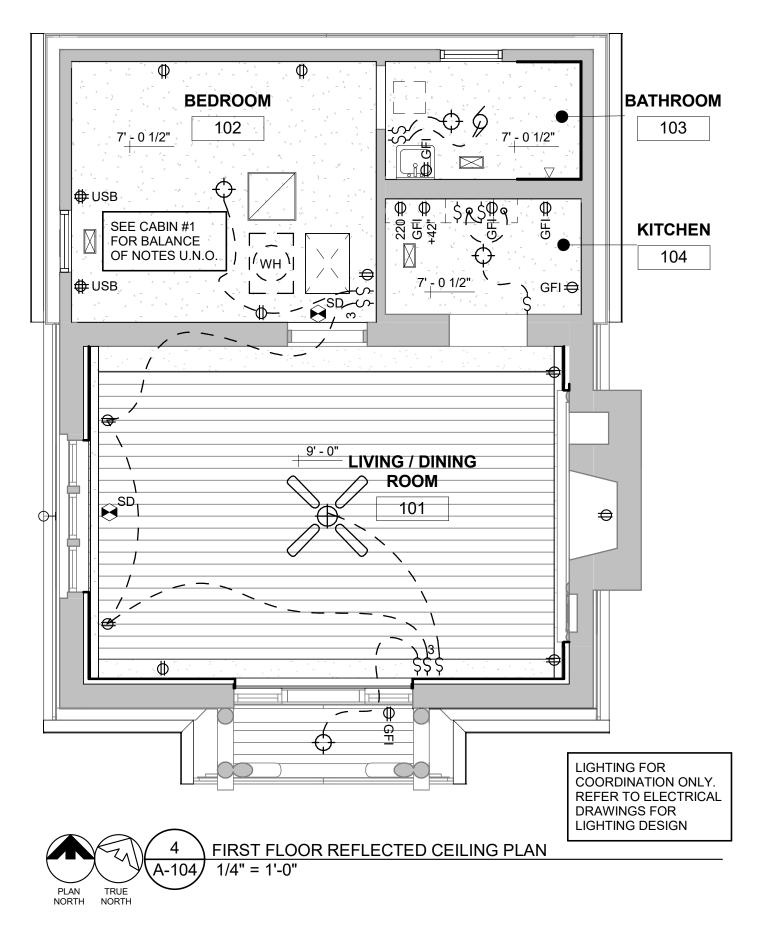
GENERAL NOTES - MASONRY RESTORATION

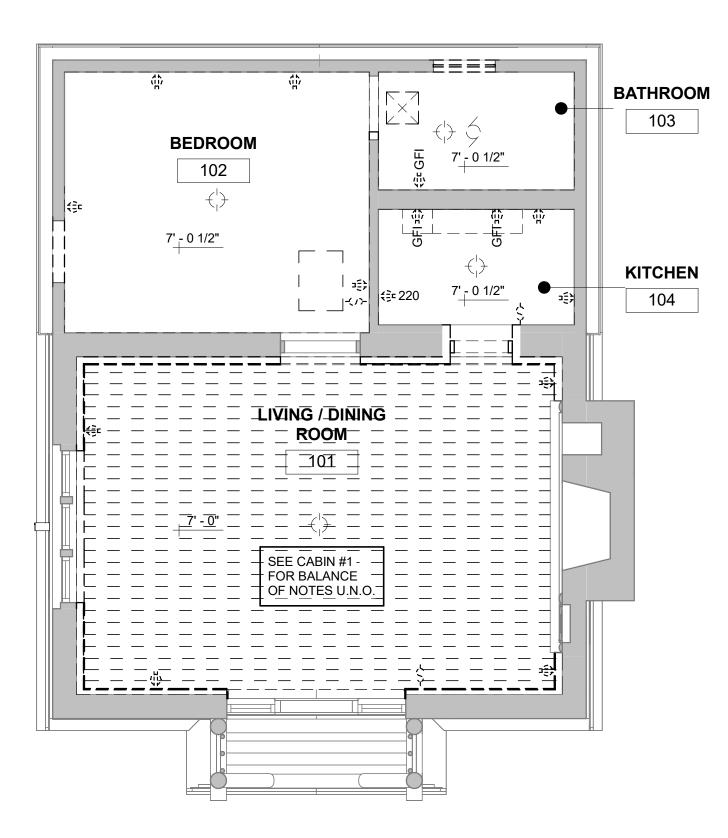
RE-POINTING OF THE AREAS WHERE LOOSE OR DETERIORATING MORTAR WILL BE DONE BY CLEANING THE EXISTING JOINTS OF MORTAR TO A DEPTH OF AT LEAST 3/4" OR 2.5 TIMES THE WIDTH OF THE JOINT, WHICHEVER IS MORE. EXISTING MORTAR TO BE REMOVED BY HAND METHODS. THE NEW MORTAR SHALL MATCH EXISTING HISTORIC MORTAR IN COLOR, TEXTURE, COMPOSITION MIX, AND JOINT PROFILE. THE MASON IS TO ADJUST THE MORTAR MIX TO A "HARDNESS" NO GREATER THEN THE MASONRY UNITS TO FACILITATE MOVEMENT. THE MASON WILL PROVIDE A TEST PATCH ON THE WALL FOR THE PURPOSES OF EXAMINING HISTORIC CONSULTANT TO ENSURE A MATCH. MASONRY DISCOLORATION AND

EXCESS MORTAR TO BE GENTLY REMOVED BY HOT WATER LOW POWER WASH

(< 20-100 PSI) WITH A LIGHT DUTY ORGANIC SOLVENT CLEANER EQUIVALENT TO

PROSOCO SUREKLEAN. REPAIR OR REPLACE ANY DAMAGED MASONRY, OR STONE UNITS WITH UNITS TO MATCH IN SIZE, SHAPE, COLOR, AND TEXTURE STONE CLEANING SHOULD ADHERE TO NPS "PRESERVATION BRIEF 1: ASSESSING CLEANING AND WATER REPELLANT TREATMENTS FOR HISTORIC MASONRY

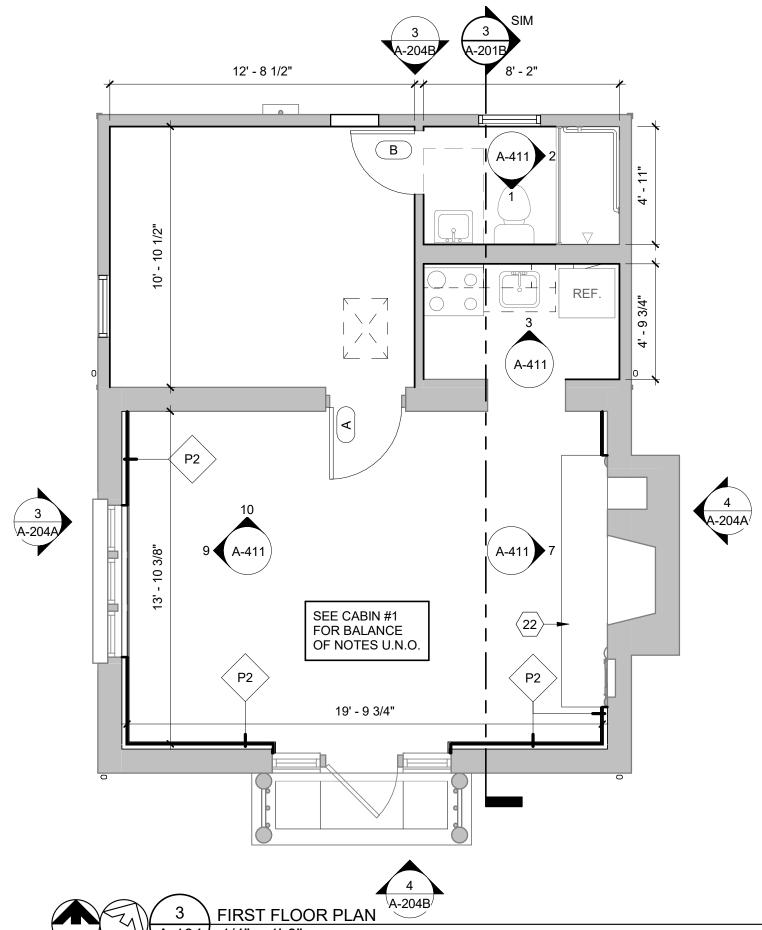


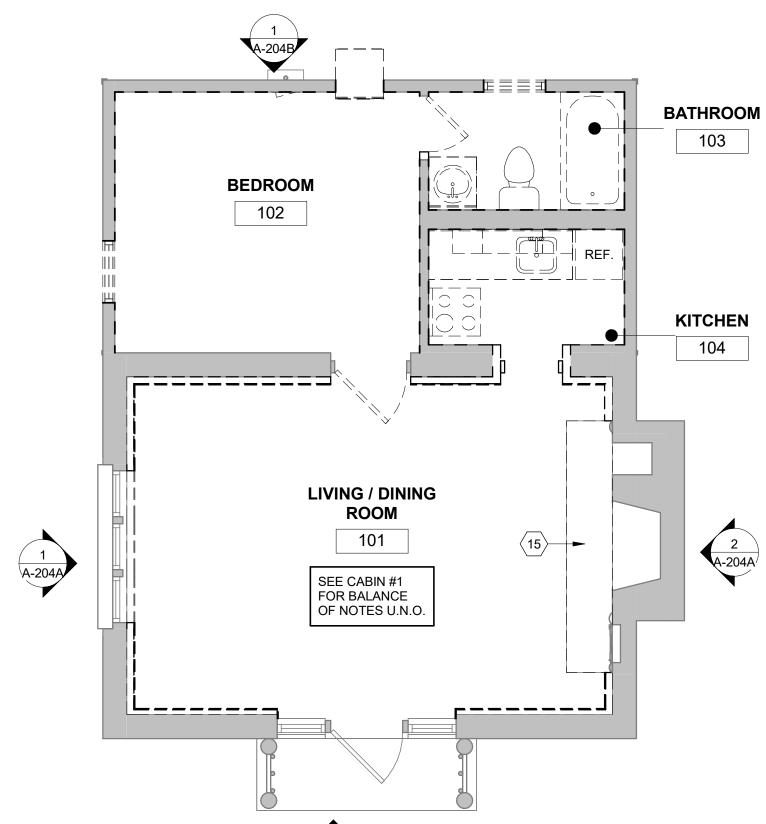


IRST FLOOR REFLECTED CEILING PLAN - DEMO

GENERAL NOTES - FLOOR PLANS

- 1. ALL GYPSUM BOARD THROUGHOUT TO BE 5/8" MINIMUM THICKNESS. ALL INTERIOR WALLS ARE PARTITION TYPE 'P1', UNLESS NOTED OTHERWISE. REFER
- TO PARTITION TYPES ON SHEET A-601. ALL INTERIOR WALL DIMENSIONS ARE TO FACE OF STUD, EXTERIOR WALLS INDICATE ENTIRE WALL SYSTEM AND ARE DIMENSIONED TO THE OUTSIDE OF STUD/CONCRETE
 - FOUNDATION.
- 4. G.C. TO PROVIDE ARCHITECT WITH SHOP DRAWINGS PRIOR TO CONSTRUCTION ACCORDING TO PRODUCT LEGEND ON SHEET A0.1.
- WINDOW SIZES ARE SHOWN ON PLAN FOR INFORMATION AND INTENT. FINAL SIZES TO BE FIELD VERIFIED AND CONFIRMED WITH WINDOW MANUFACTURER. NOTIFY ARCHITECT OF DEVIATIONS. INTERIOR FINISHES TO BE DETERMINED AND SELECTED BY OWNER. PORTION OF
- INTENDED FINISHES SHOWN FOR COORDINATION.
- 7. FINAL KITCHEN DESIGN, LAYOUT, AND CABINET STYLE TO BE COORDINATED WITH





FIRST FLOOR PLAN - DEMO

KEYED NOTES - NEW FLOOR PLANS

- 1 NEW RANDOM WIDTH YELLOW PINE T&G BOARD PANELING. REFER TO ROOM FINISH SCHEDULE. SEE SPEC.
- EXPOSED STONE CLEAN AND RESTORE AS REQUIRED. CLEAN PATCH AND REPAIR AS REQUIRED. REGROUT EXISTING JOINTS USING MORTAR TO MATCH EXISTING COLOR AND TEXTURE. HAND TOOL REMOVAL OF LOOSE EXISTING GROUT AND PROVIDE NEW TO MATCH COLOR, TEXTURE, AND STYLE, MORTAR STRENGTH SHOULD BE LESS THAN SURROUNDING
 - 6X6 TILE, SELECTED BY OWNER.
- 6X6 CERAMIC FLOOR TILE.
- LUXURY VINYL TILE 50 CM X 50 CM CARPET SQUARES.
- STONE TILE HEARTH TO MATCH ADJACENT CABINS, CLEAN AND REFURBISH

BE INSTALLED PER WINDOW MANUFACTURES SPECIFICATIONS.

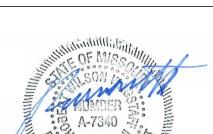
- 8 INFILL WITH NEW FRAMING AND GYPSUM BOARD WHERE ACCESS HATCH WAS REMOVED. 9 EXHAUST LOUVER/FAN, COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
- 10 NEW WINDOW IN OPENING SEE ELEV. FOR TYPE NEW WINDOW TO REPLICATED WITHIN HISTORIC TOLERANCES EXISTING WINDOWS PRIME AND PAINT WHERE WOOD OCCURS - TO
- 11 ALTERNATE #2:PRE-MANUFACTURED FIREPLACE INSERT, PROVIDE NEW POWER. SEE
- 12 DASHED LINES INDICATES ATTIC ACCESS ABOVE, COORDINATE WITH MECHANICAL.
- 13 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. DRAIN TO FRENCH DRAINS,
- 14 PROVIDE NEW ELECTRICAL OUTLETS, SWITCHES, AND CONDUIT THROUGHOUT, REFER TO
- 15 GYPSUM BOARD SOFFIT
- 16 BASE BID: VAULTED CEILING. NEW RANDOM WIDTH YELLOW PINE T&G BOARD PANELING. REFER TO ROOM FINISH SCHEDULE. SEE SPEC.
- 17 ATTIC ACCESS (22" X 30" MIN.) COORDINATE SIZE WITH HVAC/WATER HEATER DIMENSIONS
- TO BE INSTALLED IN ATTIC. 18 HOOD EXHAUST. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
- 19 DASHED LINE INDICATES EXTERIOR WALL BELOW
- 20 NEW METAL CHIMNEY CAP. 12 GUAGE HOT DIPPED GALVANIZED SHEET METAL TO MATCH
- EXISTING. PRIME AND PAINT COLOR AS SELECTED BY OWNER.
- 21 NEW EXPOSED SHEET METAL VALLEY FLASHING OVER ICE AND WATER SHEILD.
- 22 EXISTING STONE HEARTH
- 23 INFILL WITH NEW FRAMING/SHEATHING AND NEW LOGS WHERE AC UNIT WAS REMOVED. 24 NEW STONE STEPS
- 25 NEW ELECTRICAL PANEL 26 BASE BID: NEW ASPHALT ROOFING AND UNDERLAYMENT
- 27 ALTERNATE #1:SYNTHETIC SHAKE SHINGLE ROOFING WITH CEDAR BREATHER BETWEEN
- 28 NEW FURNACE AND WATER HEATER
- 29 NEW WATER HEATER TANK WITH DRAIN PAN ABOVE CEILING.
- 30 MOISTURE RESISTANT GYPSUM. G.P. DENSEGLASS OR EQUAL. 31 PROVIDE 18 X 18 STEEL ACCESS PANEL DOOR, HINGED WITH LATCH, FOR SHOWER CONTROLS
- 32 NEW 6" HALF ROUND EXTENDED FLANGE GUTTER
- 33 NEW GYPSUM WALL BOARD. REFER TO ROOM FINISH SCHEDULE. SEE SPEC. ZERO ENTRY PRE-MANUFACTURED SHOWER BASE INSERT. PROVIDE NEW 3" DEPRESSED
- SLAB UNDERNEATH AS REQUIRED. ALLOW SLOT DRAIN SET IN RE-POURED CONCRETE FLOOR UNDER EXISTING TUB SHOWER.
- **ALTERNATE #4: NEW CONCRETE TOPPING SLAB**
- 37 NEW FOAM PLUG IN FLUE TO ACHIEVE MIN. R40
- 38 SMOKE DETECTOR LOCATED IN ATTIC
- 39 NEW SURFACE MOUNTED HANDRAIL
- 40 ALTERNATE #3: WAINSCOAT. SEE PARTITION SCHEDULE, P3 ALTERNATE #3 41 EXISTING HARVESTED HALF LOG LUMBER. REATTACH TO NEW 5/8" OSB, PAINT. COLOR BY
- OWNER. REFER TO ROOM FINISH SCHEDULE
- 42 5/8" GYPSUM BOARD OVER EXISTING ROOF RAFTERS 43 DASHED LINE INDICATES ICE AND WATER SHIELD.
- 44 NEW RELOCATED ELECTRICAL PANEL
- 45 SEE CIVIL DRAWINGS FOR TREATMENT OF RXISTING HISTORIC FLAGSTONE

GENERAL NOTES - DEMOLITION:

- REFERENCE DEMOLITION LEGEND AND KEYED NOTES FOR ITEMS SLATED FOR REMOVAL OR MODIFICATION.
- REFERENCE M/E/P AND STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION
- 3. DEMOLITION CONTRACTOR (DC) TO TOUR ALL AREAS SLATED FOR DEMOLITION AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF DEMOLITION. DC TO REPORT TO ARCHITECT ANY DISCREPANCIES BETWEEN DEMOLITION DRAWINGS AND FIELD
- DC EXPLORATORY DEMOLITION SHALL INCLUDE DEMOLITION AT THE REQUEST OF THE STRUCTURAL ENGINEER TO VERIFY CONDITION OF HIDDEN STRUCTURAL ELEMENTS.
- DC SHALL ENCLOSE AREAS, PROVIDE CHUTES AND ANY RELATED CONSTRUCTION AS REQUIRED TO MINIMIZE THE IMPACT OF DUST AND DEBRIS AS A RESULT OF DEMOLITION
- 6. DC IS RESPONSIBLE FOR INSPECTING THE EXISTING BUILDING FOR HAZARDS THAT WOULD REQUIRE ENVIRONMENTAL REMEDIATION. DC SHALL NOTIFY OWNER
- IMMEDIATELY UPON DISCOVERY OF ANY HAZARDOUS MATERIAL. DC TO ENSURE THAT ALL ELEMENTS AND FINISHES THAT ARE CALLED OUT TO REMAIN IN BUILDING ARE PROTECTED DURING DEMOLITION AND STORED ONSITE. CARE SHALL BE
- TAKEN TO AVOID UNDUE DAMAGE TO ADJACENT AREAS AND SURFACES. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ELSEWHERE IN THE DRAWINGS. OWNER TO HAVE FIRST SALVAGE RIGHTS ON ALL ITEMS. DC SHALL LEGALLY DISPOSE OF
- ALL ITEMS NOT TO BE REUSED IN PROJECT WHEREVER ANY DEMOLITION OCCURS. REMOVE ALL MISCELLANEOUS NON-STRUCTURAL METAL STRAPS, PLATES, PIPES. BRACKETS AND ANCHORS FROM INTERIOR FACADE, WALLS AND CEILING.
- 10. DC IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ANY NECESSARY PERMITS REQUIRED FOR DEMOLITION WORK.
- 11. DC TO ERECT BARRICADES THAT COMPLY WITH ALL APPLICABLE CODES AND
- REGULATIONS AROUND ALL NEW AND EXISTING FLOOR PENETRATIONS. 12. DC TO IDENTIFY AREAS IN NEED OF STRUCTURAL REPAIR OR AREAS OF SLAB AND STRUCTURE THAT SHOW DETERIORATION. CONSULT WITH STRUCTURAL ENGINEER PRIOR TO REMOVING DAMAGED STEEL OR CONCRETE. NOTIFY ARCHITECT AND
- ENGINEER IF ANY NEW DAMAGE IS IDENTIFIED.
- 13. REFERENCE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) DRAWINGS FOR DEMOLITION OF MEP ITEMS.
- 14. DC TO SHUTOFF/TERMINATE ALL WATER, ELECTRICAL, AND GAS SERVICES PRIOR TO BEGINNING DEMOLITION.
- 15. ALL EXISTING ROOF DRAINS/LINES TO REMAIN. DC TO IDENTIFY AND MAINTAIN ALL EXISTING ROOF DRAINS/LINES ON ALL FLOORS THROUGHOUT DEMOLITION.
- 16. SHORING/SUPPORTS TO BE PROVIDED AT ALL DEMOLITION LOCATIONS AS REQUIRED B' THE STRUCTURAL ENGINEER. SEE STRUCTURAL SHEETS. 17. ALL STRUCTURAL COLUMNS, BEAMS, FLOOR/CEILING SLABS TO REMAIN EXCEPT WHERE
- INDICATED BY STRUCTURAL ENGINEER. SEE STRUCTURAL SHEETS. 18. COORDINATE THE REMOVAL AND SALVAGING OF EXISTING EQUIPMENT WITH EQUIPMENT

KEYED NOTES - DEMOLITION PLANS

- REMOVE EXISTING WINDOW.
- REMOVE EXISTING DOOR LEAF. DOOR FRAME TO REMAIN.
- REMOVE EXISTING DOOR FRAME REMOVE EXISTING WALL/PARTITION, OR PORTION THEREOF AS INDICATED, TYP.
- EXISTING PANELING TO BE REMOVED ALONG WITH ALL ASSOCIATED STRUCTURE.
- REMOVE EXISTING FLOOR FINISH PROVIDE EXPLORATORY DEMOLITION OF TILE AT EXISTING HEARTH TO DETERMINE IF
- HISTORIC STONE SUBSTRATE STILL EXIST.
- REMOVE ALL EXISTING CABINETRY AND COUNTERTOPS. REMOVE ALL EXISTING PLUMBING FIXTURES, TYP.
- 10 REMOVE ALL EXISTING APPLIANCE, TYP.
- 11 REMOVE EXISTING AC UNIT
- 12 REMOVE EXISTING ELECTRICAL PANEL, OUTLETS, SWITCHES, AND CONDUIT THROUGHOUT
- 13 REMOVE EXISTING DROP CEILING, LIGHT FIXTURES, AND ASSOCIATED STRUCTURE. 14 REMOVE EXISTING ATTIC ACCESS HATCH.
- 15 EXISTING STONE HEARTH TO REMAIN.
- 16 REMOVE EXISTING STONE STEP. RETAIN FOR REUSE
- EXISTING WOOD PANELING TO BE REMOVED REMOVE EXISTING FURNACE AND WATER HEATER.
- 19 REMOVE EXISTING WOOD RAILING AND POSTS. RETAIN FOR REUSE. REMOVE EXISTING GUTTER AND DOWN SPOUT
- DASHED LINES INDICATE EXPECTED LOCATION OF EXISTING HALF LOG FINISHED CEILING. CAREFULLY REMOVE EXISTING LOGS AND STORE ON SITE FOR EVALUATION AND REUSE. CLEAN AND PREP AREA FOR NEW FINISH.
- REMOVE EXISTING ELECTRICAL PANEL AND RELOCATE TO WALL ADJACENT TO BATHROOM. SEE NEW FLOOR PLANS.
 - 23 REMOVE EXISTING CONCRETE SLAB TO DIMENSION OF EXISTING TUB. 24 SEE CIVIL DRAWINGS FOR TREATMENT OF EXISTING HISTORIC FLAGSTONE.



STATE OF MISSOURI

MIKE KEHOE,

GOVERNOR

ROBERT WILSON WAGSTAFF - ARCHITEC

PROFESSIONAL SEAL

STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE

NO. 000639



DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSCTRUCTION**

OFFICE OF ADMINISTRATION

DEPARTMENT OF NATURAL **RESOURCES DIVISION OF STATE PARKS**

PROJECT TITLE RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 5218

ASSET **CABIN** #1: 7815218008 **CABIN #2:** 7815218007 7815218022 **CABIN #3:**

CABIN #4: 7815218005 CABIN #14: 7815218003

CABIN #19: 7815218019 DATE # REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE:

DESIGNED BY: SHEET TITLE:

CHECKED BY:

DRAWN BY:

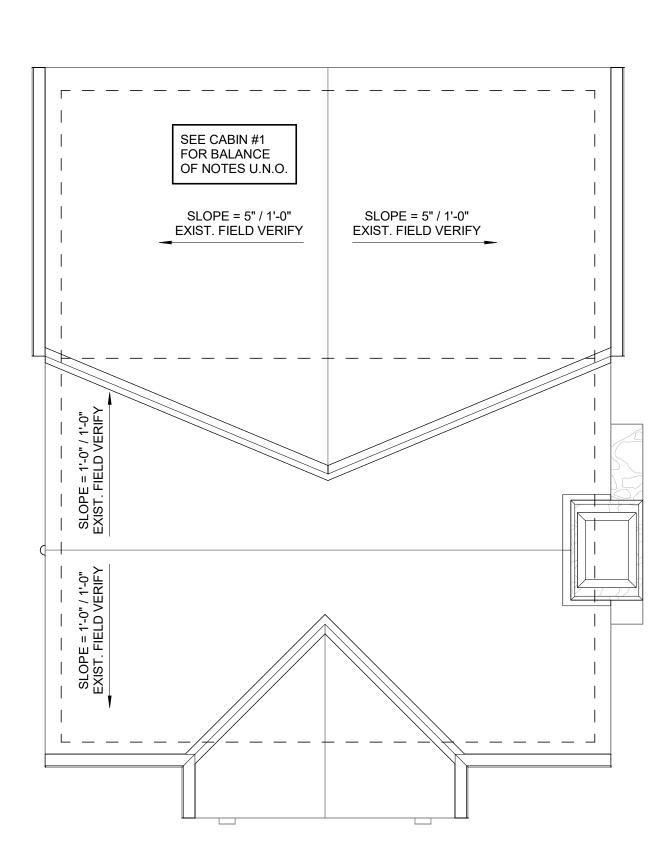
CABIN #4 - FLOOR **PLANS**

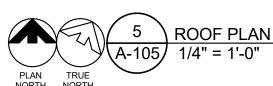
SHEET NUMBER:

- 1. ALL NEW WORK SHALL MEET ALL APPLICABLE CODE AND ORDINANCE REQUIREMENTS.
- SEE COVER SHEET FOR APPLICABLE CODES. SEE ELEVATIONS FOR DOWNSPOUT LOCATIONS.
- ALL ROOF SLOPES ARE EXISTING.
- ALL SHEET METAL PRODUCTS SHALL BE INSTALLED IN COMPLIANCE WITH THE GUIDELINES AND RECOMMENDATIONS PER THE CURRENT ADDITION OF THE SMACNA ARCHITECTURAL SHEET METAL MANUAL
- AT UNVENTED ATTIC ASSEMBLIES. AIR-IMPERMEABLE INSULATION AS DEFINED BY ASTM E 183 SHALL BE APPLIED IN DIRECT CONTACT WITH THE UNDERSIDE OF THE STRUCTURAL ROOF SHEATHING

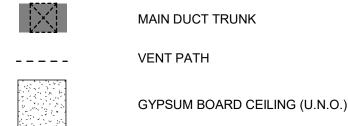
GENERAL NOTES - REFLECTED CEILING PLANS

- 1. ALL LIGHTS AND ELECTRICAL/ DATA RECEPTACLES TO BE DETERMINED AND SELECTED BY OWNER.
- CONFIRM ALL LIGHT, SWITCH AND POWER LOCATIONS WITH OWNER.



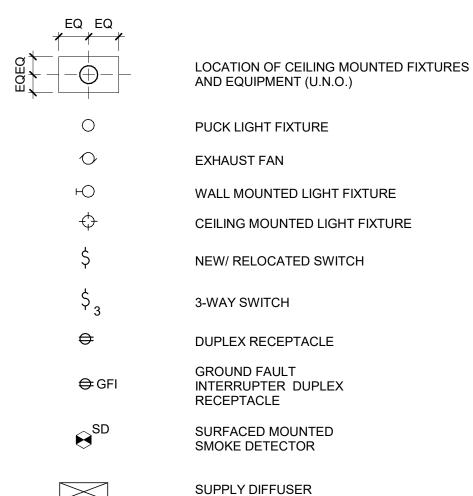


REFLECTED CEILING PLAN LEGEND



LIGHTING/ELECTRICAL LEGEND

DESCRIPTION

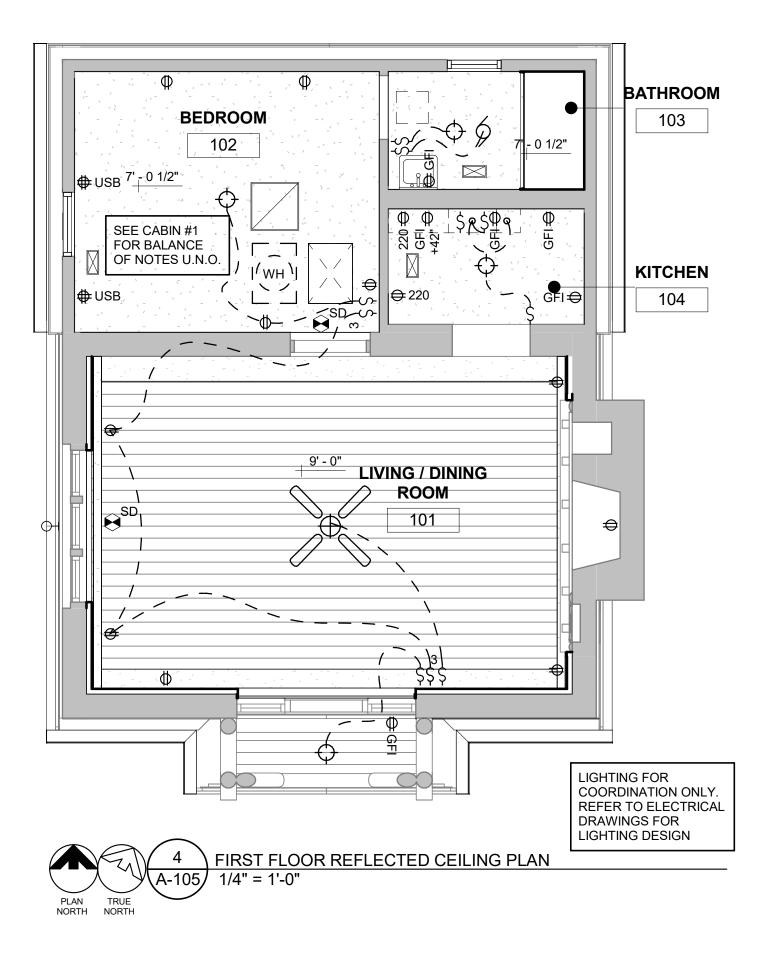


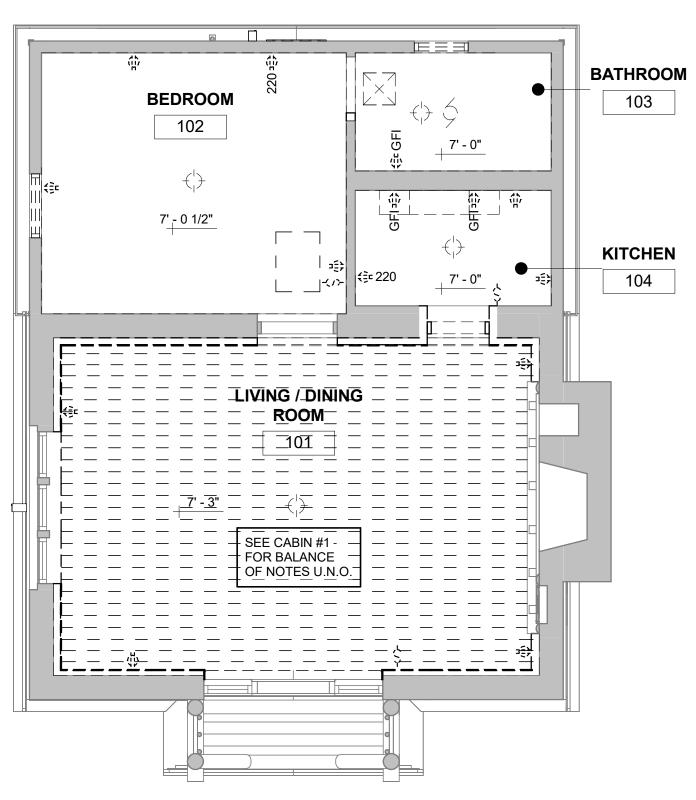
RETURN DIFFUSER

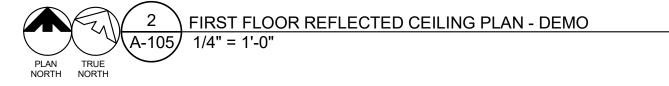
GENERAL NOTES - MASONRY RESTORATION

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STONE CLEANING SHOULD ADHERE TO NPS "PRESERVATION BRIEF 1: ASSESSING CLEANING AND WATER REPELLANT TREATMENTS FOR HISTORIC MASONRY

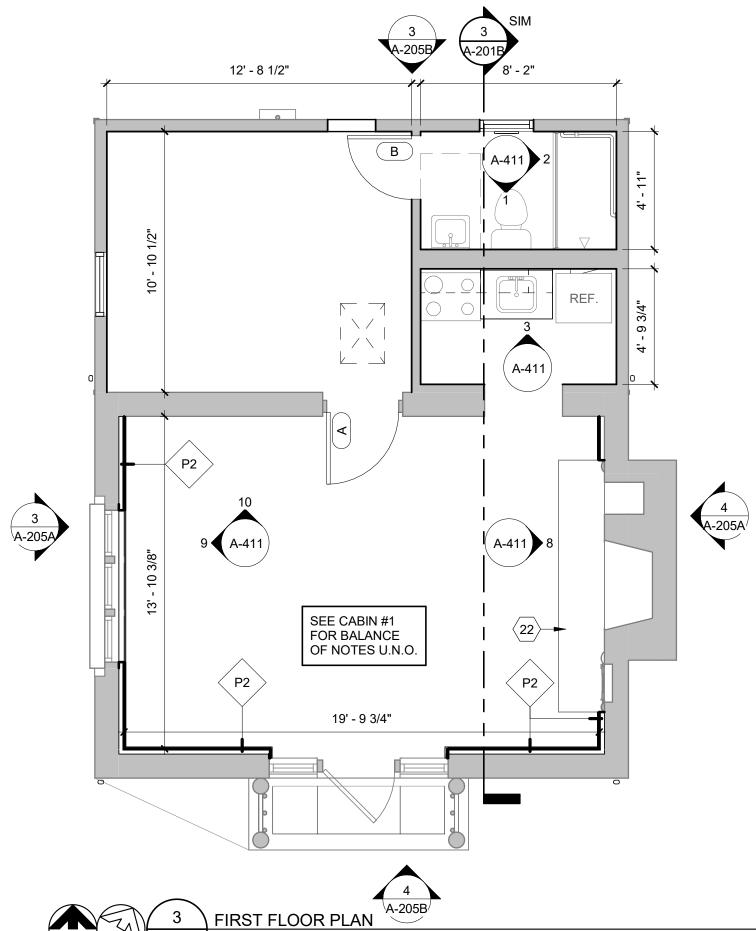


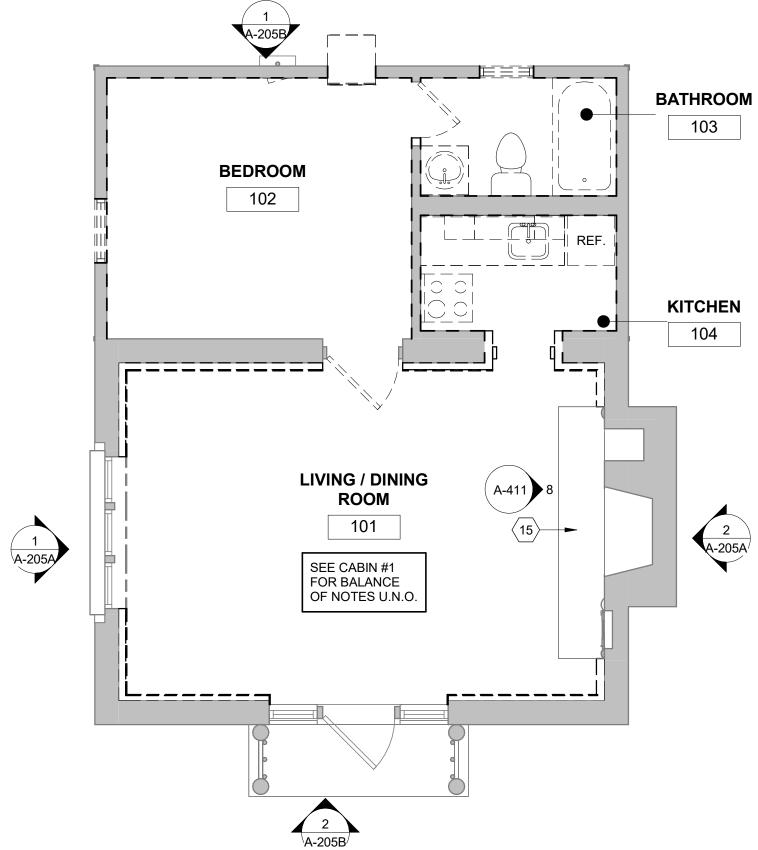




GENERAL NOTES - FLOOR PLANS

- 1. ALL GYPSUM BOARD THROUGHOUT TO BE 5/8" MINIMUM THICKNESS. ALL INTERIOR WALLS ARE PARTITION TYPE 'P1', UNLESS NOTED OTHERWISE. REFER TO PARTITION TYPES ON SHEET A-601.
- ALL INTERIOR WALL DIMENSIONS ARE TO FACE OF STUD, EXTERIOR WALLS INDICATE ENTIRE WALL SYSTEM AND ARE DIMENSIONED TO THE OUTSIDE OF STUD/CONCRETE
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- 7. FINAL KITCHEN DESIGN, LAYOUT, AND CABINET STYLE TO BE COORDINATED WITH





FIRST FLOOR PLAN - DEMO

KEYED NOTES - NEW FLOOR PLANS

- 1 NEW RANDOM WIDTH YELLOW PINE T&G BOARD PANELING. REFER TO ROOM FINISH SCHEDULE. SEE SPEC.
- EXPOSED STONE CLEAN AND RESTORE AS REQUIRED. CLEAN PATCH AND REPAIR AS REQUIRED. REGROUT EXISTING JOINTS USING MORTAR TO MATCH EXISTING COLOR AND TEXTURE. HAND TOOL REMOVAL OF LOOSE EXISTING GROUT AND PROVIDE NEW TO MATCH COLOR, TEXTURE, AND STYLE, MORTAR STRENGTH SHOULD BE LESS THAN SURROUNDING
 - 6X6 TILE, SELECTED BY OWNER.
 - 6X6 CERAMIC FLOOR TILE. LUXURY VINYL TILE
- 50 CM X 50 CM CARPET SQUARES.
- STONE TILE HEARTH TO MATCH ADJACENT CABINS, CLEAN AND REFURBISH

BE INSTALLED PER WINDOW MANUFACTURES SPECIFICATIONS.

- 8 INFILL WITH NEW FRAMING AND GYPSUM BOARD WHERE ACCESS HATCH WAS REMOVED.
- 9 EXHAUST LOUVER/FAN, COORDINATE LOCATION WITH MECHANICAL DRAWINGS. 10 NEW WINDOW IN OPENING - SEE ELEV. FOR TYPE - NEW WINDOW TO REPLICATED WITHIN HISTORIC TOLERANCES EXISTING WINDOWS PRIME AND PAINT WHERE WOOD OCCURS - TO
- 11 ALTERNATE #2:PRE-MANUFACTURED FIREPLACE INSERT, PROVIDE NEW POWER. SEE
- 12 DASHED LINES INDICATES ATTIC ACCESS ABOVE, COORDINATE WITH MECHANICAL.
- 13 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. DRAIN TO FRENCH DRAINS,
- 14 PROVIDE NEW ELECTRICAL OUTLETS, SWITCHES, AND CONDUIT THROUGHOUT, REFER TO
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- 28 NEW FURNACE AND WATER HEATER

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- 29 NEW WATER HEATER TANK WITH DRAIN PAN ABOVE CEILING.
- 30 MOISTURE RESISTANT GYPSUM. G.P. DENSEGLASS OR EQUAL. 31 PROVIDE 18 X 18 STEEL ACCESS PANEL DOOR, HINGED WITH LATCH, FOR SHOWER
- CONTROLS 32 NEW 6" HALF ROUND EXTENDED FLANGE GUTTER
- 33 NEW GYPSUM WALL BOARD. REFER TO ROOM FINISH SCHEDULE. SEE SPEC.
- ZERO ENTRY PRE-MANUFACTURED SHOWER BASE INSERT. PROVIDE NEW 3" DEPRESSED SLAB UNDERNEATH AS REQUIRED. ALLOW SLOT DRAIN SET IN RE-POURED CONCRETE FLOOR UNDER EXISTING TUB SHOWER.
- **ALTERNATE #4: NEW CONCRETE TOPPING SLAB**
- 37 NEW FOAM PLUG IN FLUE TO ACHIEVE MIN. R40
- 38 SMOKE DETECTOR LOCATED IN ATTIC
- 39 NEW SURFACE MOUNTED HANDRAIL
- 40 ALTERNATE #3: WAINSCOAT. SEE PARTITION SCHEDULE, P3 ALTERNATE #3
- 41 EXISTING HARVESTED HALF LOG LUMBER. REATTACH TO NEW 5/8" OSB, PAINT. COLOR BY OWNER. REFER TO ROOM FINISH SCHEDULE
- 42 5/8" GYPSUM BOARD OVER EXISTING ROOF RAFTERS
- 43 DASHED LINE INDICATES ICE AND WATER SHIELD.
- 44 NEW RELOCATED ELECTRICAL PANEL
- 45 SEE CIVIL DRAWINGS FOR TREATMENT OF RXISTING HISTORIC FLAGSTONE

GENERAL NOTES - DEMOLITION:

- REFERENCE DEMOLITION LEGEND AND KEYED NOTES FOR ITEMS SLATED FOR REMOVAL OR MODIFICATION.
- REFERENCE M/E/P AND STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION
- 3. DEMOLITION CONTRACTOR (DC) TO TOUR ALL AREAS SLATED FOR DEMOLITION AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF DEMOLITION. DC TO REPORT TO ARCHITECT ANY DISCREPANCIES BETWEEN DEMOLITION DRAWINGS AND FIELD
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- 11. DC TO ERECT BARRICADES THAT COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS AROUND ALL NEW AND EXISTING FLOOR PENETRATIONS.
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- 14. DC TO SHUTOFF/TERMINATE ALL WATER, ELECTRICAL, AND GAS SERVICES PRIOR TO BEGINNING DEMOLITION.
- 15. ALL EXISTING ROOF DRAINS/LINES TO REMAIN. DC TO IDENTIFY AND MAINTAIN ALL EXISTING ROOF DRAINS/LINES ON ALL FLOORS THROUGHOUT DEMOLITION. 16. SHORING/SUPPORTS TO BE PROVIDED AT ALL DEMOLITION LOCATIONS AS REQUIRED B'
- THE STRUCTURAL ENGINEER. SEE STRUCTURAL SHEETS. 17. ALL STRUCTURAL COLUMNS, BEAMS, FLOOR/CEILING SLABS TO REMAIN EXCEPT WHERE INDICATED BY STRUCTURAL ENGINEER. SEE STRUCTURAL SHEETS.
- 18. COORDINATE THE REMOVAL AND SALVAGING OF EXISTING EQUIPMENT WITH EQUIPMENT

KEYED NOTES - DEMOLITION PLANS

- REMOVE EXISTING WINDOW.
 - REMOVE EXISTING DOOR LEAF. DOOR FRAME TO REMAIN. REMOVE EXISTING DOOR FRAME
 - REMOVE EXISTING WALL/PARTITION, OR PORTION THEREOF AS INDICATED, TYP.
- EXISTING PANELING TO BE REMOVED ALONG WITH ALL ASSOCIATED STRUCTURE.
- REMOVE EXISTING FLOOR FINISH PROVIDE EXPLORATORY DEMOLITION OF TILE AT EXISTING HEARTH TO DETERMINE IF
- HISTORIC STONE SUBSTRATE STILL EXIST. REMOVE ALL EXISTING CABINETRY AND COUNTERTOPS.
- REMOVE ALL EXISTING PLUMBING FIXTURES, TYP.
- 10 REMOVE ALL EXISTING APPLIANCE, TYP.
- 11 REMOVE EXISTING AC UNIT
- 12 REMOVE EXISTING ELECTRICAL PANEL, OUTLETS, SWITCHES, AND CONDUIT THROUGHOUT.
- 13 REMOVE EXISTING DROP CEILING, LIGHT FIXTURES, AND ASSOCIATED STRUCTURE. 14 REMOVE EXISTING ATTIC ACCESS HATCH.
- 15 EXISTING STONE HEARTH TO REMAIN.
- 16 REMOVE EXISTING STONE STEP. RETAIN FOR REUSE EXISTING WOOD PANELING TO BE REMOVED
- REMOVE EXISTING FURNACE AND WATER HEATER.
- 19 REMOVE EXISTING WOOD RAILING AND POSTS. RETAIN FOR REUSE.
- REMOVE EXISTING GUTTER AND DOWN SPOUT DASHED LINES INDICATE EXPECTED LOCATION OF EXISTING HALF LOG FINISHED CEILING. CAREFULLY REMOVE EXISTING LOGS AND STORE ON SITE FOR EVALUATION
- AND REUSE. CLEAN AND PREP AREA FOR NEW FINISH. REMOVE EXISTING ELECTRICAL PANEL AND RELOCATE TO WALL ADJACENT TO BATHROOM. SEE NEW FLOOR PLANS.
 - 23 REMOVE EXISTING CONCRETE SLAB TO DIMENSION OF EXISTING TUB. 24 SEE CIVIL DRAWINGS FOR TREATMENT OF EXISTING HISTORIC FLAGSTONE.

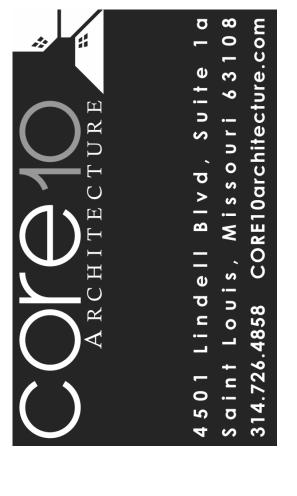
STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE NO. 000639

ROBERT WILSON WAGSTAFF - ARCHITEC

PROFESSIONAL SEAL



DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSCTRUCTION**

OFFICE OF ADMINISTRATION

DEPARTMENT OF NATURAL **RESOURCES DIVISION OF STATE PARKS**

PROJECT TITLE RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT #	X2319-01
SITE#	5218
ASSET#	

CABIN #1: 7815218008 **CABIN #2:** 7815218007 **CABIN #3:** 7815218022 **CABIN #4:** 7815218005

CABIN #14: 7815218003 CABIN #19: 7815218019 DATE # REVISION

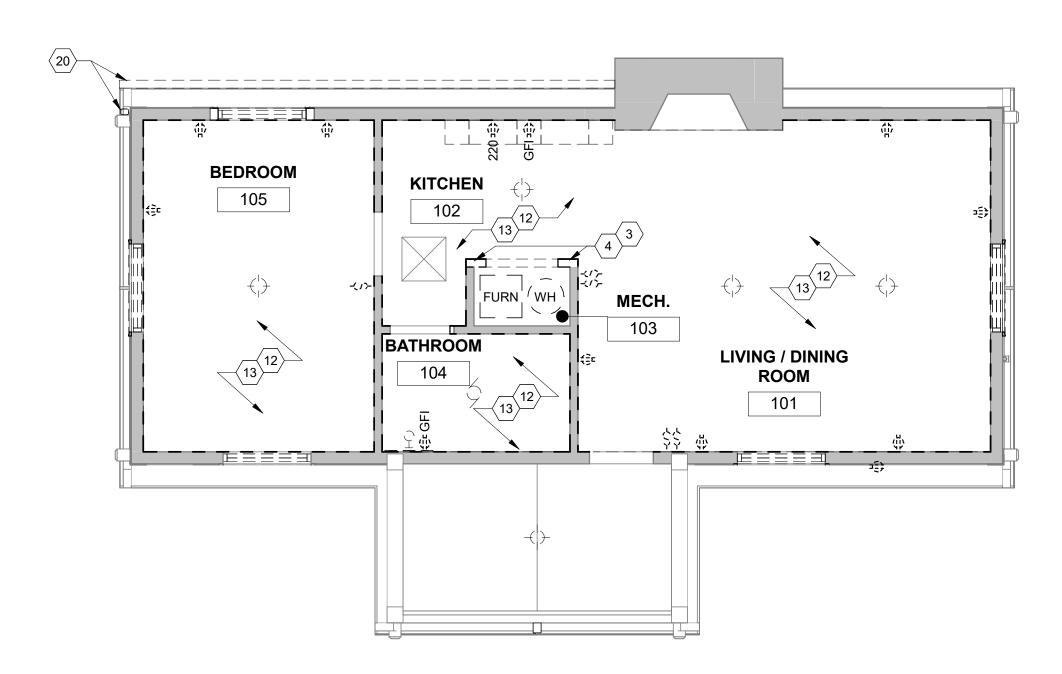
ISSUEDATE: 11/20/25

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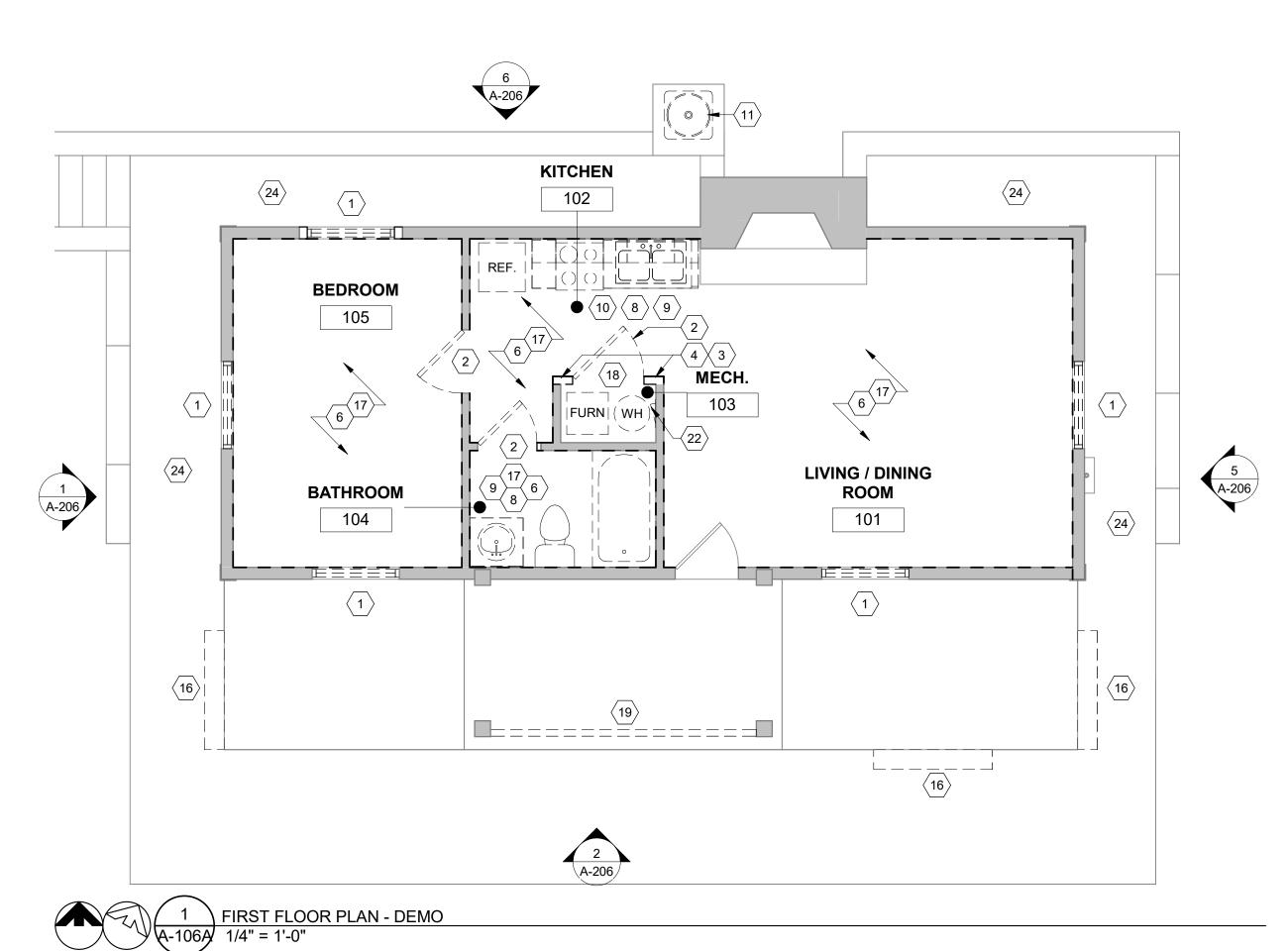
DESIGNED BY: SHEET TITLE:

CABIN #14 - FLOOR **PLANS**

SHEET NUMBER:







GENERAL NOTES - DEMOLITION:

- REFERENCE DEMOLITION LEGEND AND KEYED NOTES FOR ITEMS SLATED FOR REMOVAL OR MODIFICATION.
- 2. REFERENCE M/E/P AND STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION
- 3. DEMOLITION CONTRACTOR (DC) TO TOUR ALL AREAS SLATED FOR DEMOLITION AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF DEMOLITION. DC TO REPORT TO ARCHITECT ANY DISCREPANCIES BETWEEN DEMOLITION DRAWINGS AND FIELD
- 4. DC EXPLORATORY DEMOLITION SHALL INCLUDE DEMOLITION AT THE REQUEST OF THE STRUCTURAL ENGINEER TO VERIFY CONDITION OF HIDDEN STRUCTURAL ELEMENTS.
- DC SHALL ENCLOSE AREAS, PROVIDE CHUTES AND ANY RELATED CONSTRUCTION AS REQUIRED TO MINIMIZE THE IMPACT OF DUST AND DEBRIS AS A RESULT OF DEMOLITION
- 6. DC IS RESPONSIBLE FOR INSPECTING THE EXISTING BUILDING FOR HAZARDS THAT WOULD REQUIRE ENVIRONMENTAL REMEDIATION. DC SHALL NOTIFY OWNER IMMEDIATELY UPON DISCOVERY OF ANY HAZARDOUS MATERIAL.
- DC TO ENSURE THAT ALL ELEMENTS AND FINISHES THAT ARE CALLED OUT TO REMAIN IN BUILDING ARE PROTECTED DURING DEMOLITION AND STORED ONSITE. CARE SHALL BE TAKEN TO AVOID UNDUE DAMAGE TO ADJACENT AREAS AND SURFACES. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ELSEWHERE IN THE DRAWINGS.
- 8. OWNER TO HAVE FIRST SALVAGE RIGHTS ON ALL ITEMS. DC SHALL LEGALLY DISPOSE OF ALL ITEMS NOT TO BE REUSED IN PROJECT WHEREVER ANY DEMOLITION OCCURS.
- REMOVE ALL MISCELLANEOUS NON-STRUCTURAL METAL STRAPS, PLATES, PIPES, BRACKETS AND ANCHORS FROM INTERIOR FACADE, WALLS AND CEILING.
- 10. DC IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ANY NECESSARY PERMITS
- REQUIRED FOR DEMOLITION WORK. 11. DC TO ERECT BARRICADES THAT COMPLY WITH ALL APPLICABLE CODES AND
- REGULATIONS AROUND ALL NEW AND EXISTING FLOOR PENETRATIONS. 12. DC TO IDENTIFY AREAS IN NEED OF STRUCTURAL REPAIR OR AREAS OF SLAB AND STRUCTURE THAT SHOW DETERIORATION. CONSULT WITH STRUCTURAL ENGINEER PRIOR TO REMOVING DAMAGED STEEL OR CONCRETE. NOTIFY ARCHITECT AND
- ENGINEER IF ANY NEW DAMAGE IS IDENTIFIED. 13. REFERENCE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) DRAWINGS FOR DEMOLITION OF MEP ITEMS.
- 14. DC TO SHUTOFF/TERMINATE ALL WATER, ELECTRICAL, AND GAS SERVICES PRIOR TO BEGINNING DEMOLITION.
- 15. ALL EXISTING ROOF DRAINS/LINES TO REMAIN. DC TO IDENTIFY AND MAINTAIN ALL EXISTING ROOF DRAINS/LINES ON ALL FLOORS THROUGHOUT DEMOLITION.
- 16. SHORING/SUPPORTS TO BE PROVIDED AT ALL DEMOLITION LOCATIONS AS REQUIRED B'
- THE STRUCTURAL ENGINEER. SEE STRUCTURAL SHEETS. 17. ALL STRUCTURAL COLUMNS, BEAMS, FLOOR/CEILING SLABS TO REMAIN EXCEPT WHERE
- INDICATED BY STRUCTURAL ENGINEER. SEE STRUCTURAL SHEETS. 18. COORDINATE THE REMOVAL AND SALVAGING OF EXISTING EQUIPMENT WITH EQUIPMENT SCHEDULE.

KEYED NOTES - DEMOLITION PLANS

- REMOVE EXISTING WINDOW.
- REMOVE EXISTING DOOR LEAF. DOOR FRAME TO REMAIN.
- REMOVE EXISTING DOOR FRAME
- REMOVE EXISTING WALL/PARTITION, OR PORTION THEREOF AS INDICATED, TYP.
- EXISTING PANELING TO BE REMOVED ALONG WITH ALL ASSOCIATED STRUCTURE. REMOVE EXISTING FLOOR FINISH.
- PROVIDE EXPLORATORY DEMOLITION OF TILE AT EXISTING HEARTH TO DETERMINE IF
- HISTORIC STONE SUBSTRATE STILL EXIST. REMOVE ALL EXISTING CABINETRY AND COUNTERTOPS.
- REMOVE ALL EXISTING PLUMBING FIXTURES, TYP.
- 10 REMOVE ALL EXISTING APPLIANCE, TYP.
- 11 REMOVE EXISTING AC UNIT
- 12 REMOVE EXISTING ELECTRICAL PANEL, OUTLETS, SWITCHES, AND CONDUIT
- 13 REMOVE EXISTING DROP CEILING, LIGHT FIXTURES, AND ASSOCIATED STRUCTURE.
- 14 REMOVE EXISTING ATTIC ACCESS HATCH.
- 15 EXISTING STONE HEARTH TO REMAIN.
- 16 REMOVE EXISTING STONE STEP. RETAIN FOR REUSE.
- 17 EXISTING WOOD PANELING TO BE REMOVED.
- 18 REMOVE EXISTING FURNACE AND WATER HEATER. 19 REMOVE EXISTING WOOD RAILING AND POSTS. RETAIN FOR REUSE.
- 20 REMOVE EXISTING GUTTER AND DOWN SPOUT
- 21 DASHED LINES INDICATE EXPECTED LOCATION OF EXISTING HALF LOG FINISHED CEILING. CAREFULLY REMOVE EXISTING LOGS AND STORE ON SITE FOR EVALUATION AND REUSE. CLEAN AND PREP AREA FOR NEW FINISH.
- 22 REMOVE EXISTING ELECTRICAL PANEL AND RELOCATE TO WALL ADJACENT TO BATHROOM. SEE NEW FLOOR PLANS.
- 23 REMOVE EXISTING CONCRETE SLAB TO DIMENSION OF EXISTING TUB. 24 SEE CIVIL DRAWINGS FOR TREATMENT OF EXISTING HISTORIC FLAGSTONE.

STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



ROBERT WILSON WAGSTAFF - ARCHITECT STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE

NO. 000639

PROFESSIONAL SEAL



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSCTRUCTION

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PATTERSON, MO 63956

7815218003

7815218019

PROJECT # X2319-01 SITE# 5218 ASSET# CABIN #1: 7815218008 CABIN #2: 7815218007 CABIN #3: 7815218022 7815218005 CABIN #4:

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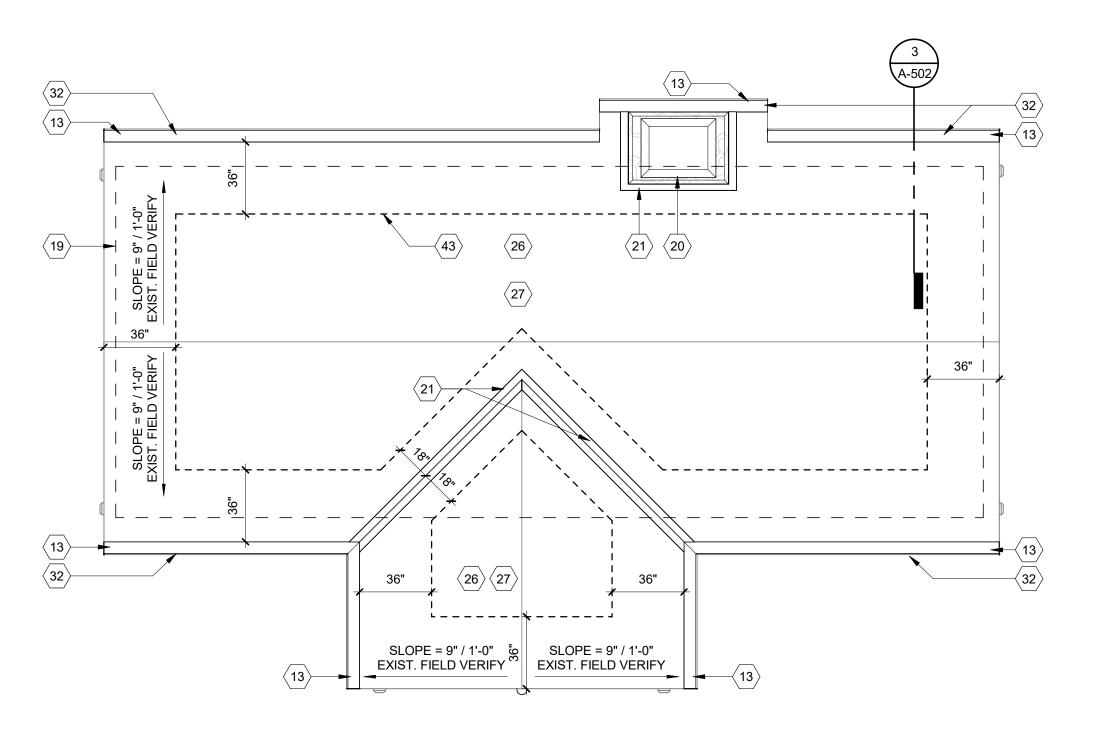
CABIN #19 - FLOOR PLANS - DEMOLITION

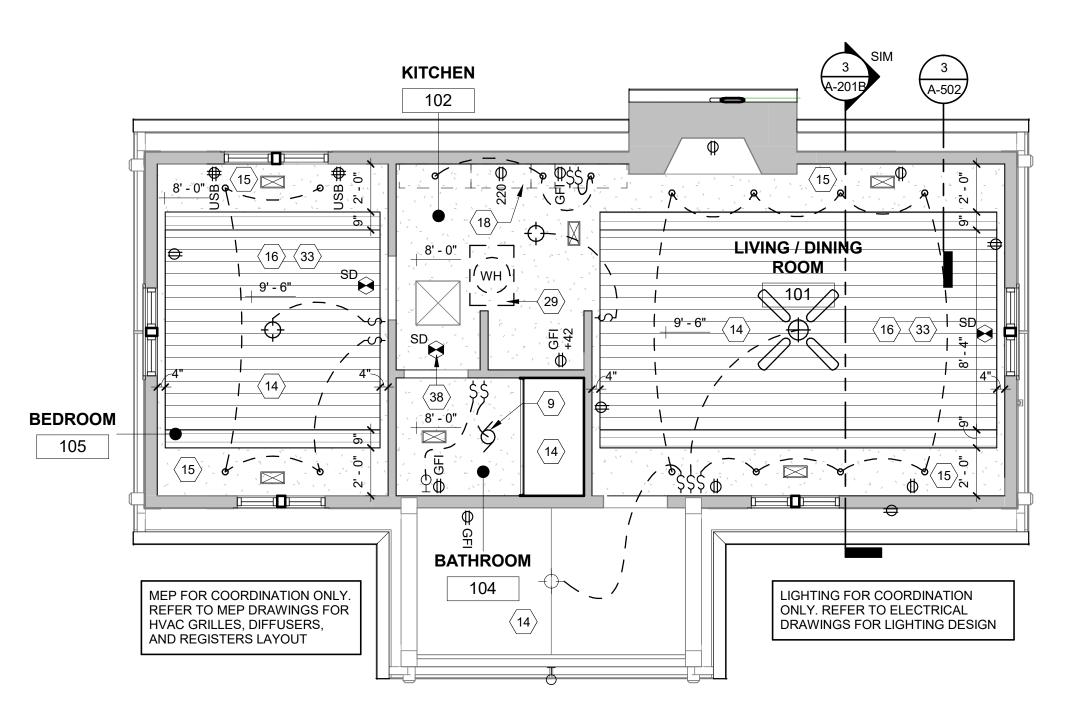
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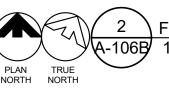
- 1. ALL NEW WORK SHALL MEET ALL APPLICABLE CODE AND ORDINANCE REQUIREMENTS.
- SEE COVER SHEET FOR APPLICABLE CODES. SEE ELEVATIONS FOR DOWNSPOUT LOCATIONS.
- ALL ROOF SLOPES ARE EXISTING.
- 4. ALL SHEET METAL PRODUCTS SHALL BE INSTALLED IN COMPLIANCE WITH THE GUIDELINES AND RECOMMENDATIONS PER THE CURRENT ADDITION OF THE SMACNA
- ARCHITECTURAL SHEET METAL MANUAL AT UNVENTED ATTIC ASSEMBLIES, AIR-IMPERMEABLE INSULATION AS DEFINED BY ASTM E 183 SHALL BE APPLIED IN DIRECT CONTACT WITH THE UNDERSIDE OF THE STRUCTURAL ROOF SHEATHING.

GENERAL NOTES - REFLECTED CEILING PLANS

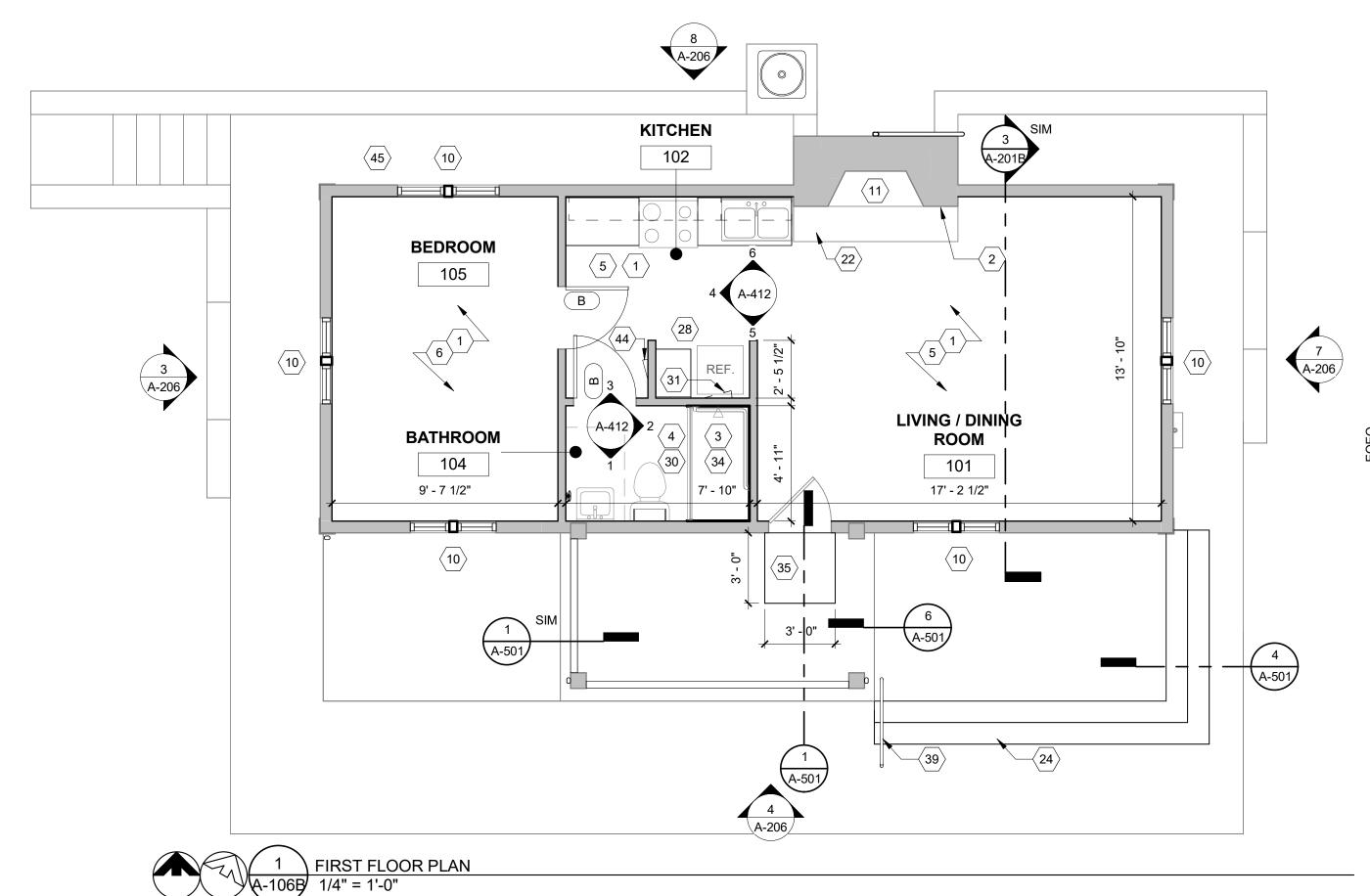
- 1. ALL LIGHTS AND ELECTRICAL/ DATA RECEPTACLES TO BE DETERMINED AND
- SELECTED BY OWNER. 2. CONFIRM ALL LIGHT, SWITCH AND POWER LOCATIONS WITH OWNER.







FLOOR REFLECTED CEILING PLAN



GENERAL NOTES - MASONRY RESTORATION

- 1. RE-POINTING OF THE AREAS WHERE LOOSE OR DETERIORATING MORTAR WILL BE DONE BY CLEANING THE EXISTING JOINTS OF MORTAR TO A DEPTH OF AT LEAST 3/4" OR 2.5 TIMES THE WIDTH OF THE JOINT, WHICHEVER IS MORE. EXISTING MORTAR TO BE REMOVED BY HAND METHODS. THE NEW MORTAR SHALL MATCH EXISTING HISTORIC MORTAR IN COLOR, TEXTURE, COMPOSITION MIX, AND JOINT PROFILE. THE MASON IS TO ADJUST THE MORTAR MIX TO A "HARDNESS" NO GREATER THEN THE MASONRY UNITS TO FACILITATE MOVEMENT. THE MASON WILL PROVIDE A TEST PATCH ON THE WALL FOR THE PURPOSES OF EXAMINING THE MORTAR COLOR AND MIX WHICH WILL BE REVIEWED BY THE ARCHITECT AND HISTORIC CONSULTANT TO ENSURE A MATCH. MASONRY DISCOLORATION AND EXCESS MORTAR TO BE GENTLY REMOVED BY HOT WATER LOW POWER WASH (< 20-100 PSI) WITH A LIGHT DUTY ORGANIC SOLVENT CLEANER EQUIVALENT TO PROSOCO SÚREKLEAN. REPAIR OR REPLACE ANY DAMAGED MASONRY, OR STONE UNITS WITH UNITS TO MATCH IN SIZE. SHAPE. COLOR. AND TEXTURE.
- 2. STONE CLEANING SHOULD ADHERE TO NPS "PRESERVATION BRIEF 1: ASSESSING CLEANING AND WATER REPELLANT TREATMENTS FOR HISTORIC MASONRY

GENERAL NOTES - FLOOR PLANS

- 1. ALL GYPSUM BOARD THROUGHOUT TO BE 5/8" MINIMUM THICKNESS. 2. ALL INTERIOR WALLS ARE PARTITION TYPE 'P1', UNLESS NOTED OTHERWISE. REFER
- TO PARTITION TYPES ON SHEET A-601.
- ALL INTERIOR WALL DIMENSIONS ARE TO FACE OF STUD, EXTERIOR WALLS INDICATE ENTIRE WALL SYSTEM AND ARE DIMENSIONED TO THE OUTSIDE OF STUD/CONCRETE
 - 4. G.C. TO PROVIDE ARCHITECT WITH SHOP DRAWINGS PRIOR TO CONSTRUCTION ACCORDING TO PRODUCT LEGEND ON SHEET A0.1.
 - WINDOW SIZES ARE SHOWN ON PLAN FOR INFORMATION AND INTENT. FINAL SIZES TO
 - BE FIELD VERIFIED AND CONFIRMED WITH WINDOW MANUFACTURER. NOTIFY ARCHITECT OF DEVIATIONS. 6. INTERIOR FINISHES TO BE DETERMINED AND SELECTED BY OWNER. PORTION OF
- INTENDED FINISHES SHOWN FOR COORDINATION.
- 7. FINAL KITCHEN DESIGN, LAYOUT, AND CABINET STYLE TO BE COORDINATED WITH

KEYED NOTES - NEW FLOOR PLANS

- NEW RANDOM WIDTH YELLOW PINE T&G BOARD PANELING. REFER TO ROOM FINISH SCHEDULE. SEE SPEC
- EXPOSED STONE CLEAN AND RESTORE AS REQUIRED. CLEAN PATCH AND REPAIR AS REQUIRED. REGROUT EXISTING JOINTS USING MORTAR TO MATCH EXISTING COLOR AND TEXTURE. HAND TOOL REMOVAL OF LOOSE EXISTING GROUT AND PROVIDE NEW TO MATCH COLOR, TEXTURE, AND STYLE. MORTAR STRENGTH SHOULD BE LESS THAN SURROUNDING
- 3 6X6 TILE, SELECTED BY OWNER.
- 4 6X6 CERAMIC FLOOR TILE.
- 5 LUXURY VINYL TILE
- 50 CM X 50 CM CARPET SQUARES
- STONE TILE HEARTH TO MATCH ADJACENT CABINS, CLEAN AND REFURBISH
- INFILL WITH NEW FRAMING AND GYPSUM BOARD WHERE ACCESS HATCH WAS REMOVED.
- 9 EXHAUST LOUVER/FAN, COORDINATE LOCATION WITH MECHANICAL DRAWINGS. 10 NEW WINDOW IN OPENING - SEE ELEV. FOR TYPE - NEW WINDOW TO REPLICATED WITHIN HISTORIC TOLERANCES EXISTING WINDOWS PRIME AND PAINT WHERE WOOD OCCURS - T
- BE INSTALLED PER WINDOW MANUFACTURES SPECIFICATIONS 11 <u>ALTERNATE #2:</u>PRE-MANUFACTURED FIREPLACE INSERT, PROVIDE NEW POWER. SEE INTERIOR DETAILS.
- 12 DASHED LINES INDICATES ATTIC ACCESS ABOVE, COORDINATE WITH MECHANICAL.
- 13 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. DRAIN TO FRENCH DRAINS,
- COORDINATE WITH CIVIL. 14 PROVIDE NEW ELECTRICAL OUTLETS, SWITCHES, AND CONDUIT THROUGHOUT, REFER TO
- ELECTRICAL DRAWINGS 15 GYPSUM BOARD SOFFIT
- 16 BASE BID: VAULTED CEILING. NEW RANDOM WIDTH YELLOW PINE T&G BOARD PANELING.
- REFER TO ROOM FINISH SCHEDULE. SEE SPEC. 17 ATTIC ACCESS (22" X 30" MIN.) COORDINATE SIZE WITH HVAC/WATER HEATER DIMENSIONS
- TO BE INSTALLED IN ATTIC. 18 HOOD EXHAUST. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
- 19 DASHED LINE INDICATES EXTERIOR WALL BELOW.
- 20 NEW METAL CHIMNEY CAP, 12 GUAGE HOT DIPPED GALVANIZED SHEET METAL TO MATCH
- EXISTING. PRIME AND PAINT COLOR AS SELECTED BY OWNER. 21 NEW EXPOSED SHEET METAL VALLEY FLASHING OVER ICE AND WATER SHEILD.
- 22 EXISTING STONE HEARTH
- 23 INFILL WITH NEW FRAMING/SHEATHING AND NEW LOGS WHERE AC UNIT WAS REMOVED. 24 NEW STONE STEPS
- 25 NEW ELECTRICAL PANEL
- 26 BASE BID: NEW ASPHALT ROOFING AND UNDERLAYMENT.
- 27 ALTERNATE #1: SYNTHETIC SHAKE SHINGLE ROOFING WITH CEDAR BREATHER BETWEEN
- 28 NEW FURNACE AND WATER HEATER
- 29 NEW WATER HEATER TANK WITH DRAIN PAN ABOVE CEILING.
- 30 MOISTURE RESISTANT GYPSUM. G.P. DENSEGLASS OR EQUAL.
- 31 PROVIDE 18 X 18 STEEL ACCESS PANEL DOOR, HINGED WITH LATCH, FOR SHOWER CONTROLS
- NEW 6" HALF ROUND EXTENDED FLANGE GUTTER
- 33 NEW GYPSUM WALL BOARD, REFER TO ROOM FINISH SCHEDULE, SEE SPEC.
- 34 ZERO ENTRY PRE-MANUFACTURED SHOWER BASE INSERT. PROVIDE NEW 3" DEPRESSED SLAB UNDERNEATH AS REQUIRED. ALLOW SLOT DRAIN SET IN RE-POURED CONCRETE
- FLOOR UNDER EXISTING TUB SHOWER. 35 **ALTERNATE #4:** NEW CONCRETE TOPPING SLAB
- 37 NEW FOAM PLUG IN FLUE TO ACHIEVE MIN. R40
- 38 SMOKE DETECTOR LOCATED IN ATTIC 39 NEW SURFACE MOUNTED HANDRAIL
- 40 ALTERNATE #3: WAINSCOAT. SEE PARTITION SCHEDULE, P3 ALTERNATE #3
- 41 EXISTING HARVESTED HALF LOG LUMBER. REATTACH TO NEW 5/8" OSB, PAINT. COLOR BY
- OWNER. REFER TO ROOM FINISH SCHEDULE 42 5/8" GYPSUM BOARD OVER EXISTING ROOF RAFTERS.
- 43 DASHED LINE INDICATES ICE AND WATER SHIELD.
- 44 NEW RELOCATED ELECTRICAL PANEL

VENT PATH

45 SEE CIVIL DRAWINGS FOR TREATMENT OF RXISTING HISTORIC FLAGSTONE

REFLECTED CEILING PLAN LEGEND



MAIN DUCT TRUNK



GYPSUM BOARD CEILING (U.N.O.)

LIGHTING/ELECTRICAL LEGEND

SYMBOL DESCRIPTION

EQ EQ

LOCATION OF CEILING MOUNTED FIXTURES

₩ - - -AND EQUIPMENT (U.N.O.) \bigcirc PUCK LIGHT FIXTURE

> **EXHAUST FAN** \mapsto WALL MOUNTED LIGHT FIXTURE

CEILING MOUNTED LIGHT FIXTURE NEW/ RELOCATED SWITCH

3-WAY SWITCH DUPLEX RECEPTACLE

GROUND FAULT ⊕ GFI INTERRUPTER DUPLEX RECEPTACLE SURFACED MOUNTED



RETURN DIFFUSER

SMOKE DETECTOR

STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



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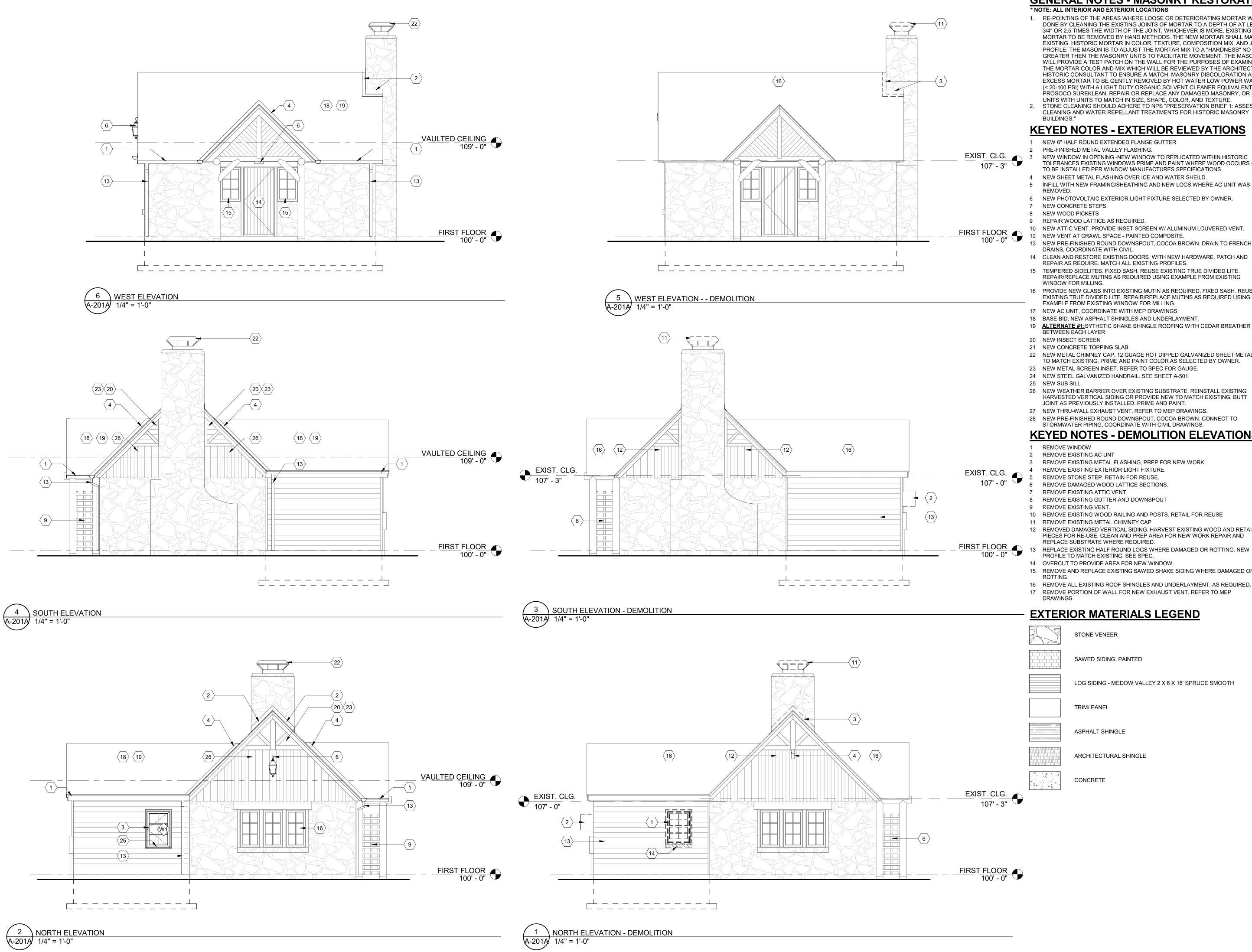
SHEET TITLE:

CABIN #19 - FLOOR **PLANS**

SHEET NUMBER:

28 OF 52 SHEETS

11/20/25



GENERAL NOTES - MASONRY RESTORATION

 RE-POINTING OF THE AREAS WHERE LOOSE OR DETERIORATING MORTAR WILL BE DONE BY CLEANING THE EXISTING JOINTS OF MORTAR TO A DEPTH OF AT LEAST 3/4" OR 2.5 TIMES THE WIDTH OF THE JOINT, WHICHEVER IS MORE. EXISTING MORTAR TO BE REMOVED BY HAND METHODS. THE NEW MORTAR SHALL MATCH EXISTING HISTORIC MORTAR IN COLOR, TEXTURE, COMPOSITION MIX, AND JOINT PROFILE. THE MASON IS TO ADJUST THE MORTAR MIX TO A "HARDNESS" NO GREATER THEN THE MASONRY UNITS TO FACILITATE MOVEMENT. THE MASON WILL PROVIDE A TEST PATCH ON THE WALL FOR THE PURPOSES OF EXAMINING THE MORTAR COLOR AND MIX WHICH WILL BE REVIEWED BY THE ARCHITECT AND HISTORIC CONSULTANT TO ENSURE A MATCH. MASONRY DISCOLORATION AND EXCESS MORTAR TO BE GENTLY REMOVED BY HOT WATER LOW POWER WASH (< 20-100 PSI) WITH A LIGHT DUTY ORGANIC SOLVENT CLEANER EQUIVALENT TO PROSOCO SUREKLEAN. REPAIR OR REPLACE ANY DAMAGED MASONRY, OR STONE UNITS WITH UNITS TO MATCH IN SIZE, SHAPE, COLOR, AND TEXTURE. STONE CLEANING SHOULD ADHERE TO NPS "PRESERVATION BRIEF 1: ASSESSING

KEYED NOTES - EXTERIOR ELEVATIONS

NEW 6" HALF ROUND EXTENDED FLANGE GUTTER

NEW WINDOW IN OPENING -NEW WINDOW TO REPLICATED WITHIN HISTORIC TOLERANCES EXISTING WINDOWS PRIME AND PAINT WHERE WOOD OCCURS -TO BE INSTALLED PER WINDOW MANUFACTURES SPECIFICATIONS.

NEW SHEET METAL FLASHING OVER ICE AND WATER SHEILD. INFILL WITH NEW FRAMING/SHEATHING AND NEW LOGS WHERE AC UNIT WAS

- 6 NEW PHOTOVOLTAIC EXTERIOR LIGHT FIXTURE SELECTED BY OWNER.
- 7 NEW CONCRETE STEPS
- 9 REPAIR WOOD LATTICE AS REQUIRED. 10 NEW ATTIC VENT. PROVIDE INSET SCREEN W/ ALUMINUM LOUVERED VENT.
- 12 NEW VENT AT CRAWL SPACE PAINTED COMPOSITE. NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. DRAIN TO FRENCH
- DRAINS, COORDINATE WITH CIVIL.
- 14 CLEAN AND RESTORE EXISTING DOORS WITH NEW HARDWARE. PATCH AND REPAIR AS REQUIRE. MATCH ALL EXISTING PROFILES.
- TEMPERED SIDELITES. FIXED SASH. REUSE EXISTING TRUE DIVIDED LITE. REPAIR/REPLACE MUTINS AS REQUIRED USING EXAMPLE FROM EXISTING
- 16 PROVIDE NEW GLASS INTO EXISTING MUTIN AS REQUIRED, FIXED SASH. REUSE EXISTING TRUE DIVIDED LITE. REPAIR/REPLACE MUTINS AS REQUIRED USING
- 17 NEW AC UNIT, COORDINATE WITH MEP DRAWINGS.
- 18 BASE BID: NEW ASPHALT SHINGLES AND UNDERLAYMENT.
- 19 **ALTERNATE #1:** SYTHETIC SHAKE SHINGLE ROOFING WITH CEDAR BREATHER BETWEEN EACH LAYER
- 21 NEW CONCRETE TOPPING SLAB
- 22 NEW METAL CHIMNEY CAP, 12 GUAGE HOT DIPPED GALVANIZED SHEET METAL TO MATCH EXISTING. PRIME AND PAINT COLOR AS SELECTED BY OWNER.
- 23 NEW METAL SCREEN INSET. REFER TO SPEC FOR GAUGE.
- 24 NEW STEEL GALVANIZED HANDRAIL. SEE SHEET A-501.
- 26 NEW WEATHER BARRIER OVER EXISTING SUBSTRATE. REINSTALL EXISTING HARVESTED VERTICAL SIDING OR PROVIDE NEW TO MATCH EXISTING. BUTT
- JOINT AS PREVIOUSLY INSTALLED. PRIME AND PAINT.
- 27 NEW THRU-WALL EXHAUST VENT, REFER TO MEP DRAWINGS 28 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. CONNECT TO

KEYED NOTES - DEMOLITION ELEVATIONS

- REMOVE WINDOW
- REMOVE EXISTING AC UNT
- REMOVE EXISTING METAL FLASHING, PREP FOR NEW WORK. REMOVE EXISTING EXTERIOR LIGHT FIXTURE.
- REMOVE STONE STEP. RETAIN FOR REUSE.
- REMOVE DAMAGED WOOD LATTICE SECTIONS. REMOVE EXISTING ATTIC VENT
- 8 REMOVE EXISTING GUTTER AND DOWNSPOUT
- 9 REMOVE EXISTING VENT.
- 10 REMOVE EXISTING WOOD RAILING AND POSTS. RETAIL FOR REUSE 11 REMOVE EXISTING METAL CHIMNEY CAP
- 12 REMOVED DAMAGED VERTICAL SIDING. HARVEST EXISTING WOOD AND RETAIN
- PIECES FOR RE-USE. CLEAN AND PREP AREA FOR NEW WORK REPAIR AND REPLACE SUBSTRATE WHERE REQUIRED.
- PROFILE TO MATCH EXISTING. SEE SPEC.
- 14 OVERCUT TO PROVIDE AREA FOR NEW WINDOW.
- 15 REMOVE AND REPLACE EXISTING SAWED SHAKE SIDING WHERE DAMAGED OR
- 16 REMOVE ALL EXISTING ROOF SHINGLES AND UNDERLAYMENT. AS REQUIRED.
- 17 REMOVE PORTION OF WALL FOR NEW EXHAUST VENT. REFER TO MEP

EXTERIOR MATERIALS LEGEND

STONE VENEER SAWED SIDING, PAINTED

LOG SIDING - MEDOW VALLEY 2 X 6 X 16' SPRUCE SMOOTH

TRIM/ PANEL

ASPHALT SHINGLE

ARCHITECTURAL SHINGLE

CONCRETE

SHEET TITLE: CABIN #1 - EXTERIOR ELEVATIONS - NORTH,

29 OF 52 SHEETS 11/20/25

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PROFESSIONAL SEAL

NO. 000639



MANAGEMENT, DESIGN AND CONSCTRUCTION **DEPARTMENT OF NATURAL** RESOURCES DIVISION OF

OFFICE OF ADMINISTRATION

DIVISION OF FACILITIES

STATE PARKS PROJECT TITLE RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK SAM A. BAKER STATE PARK

5580 STATE HIGHWAY 143

PATTERSON, MO 63956 PROJECT # X2319-01 SITE# 5218 ASSET#

CABIN #1: 7815218008 CABIN #2: 7815218007 CABIN #3: 7815218022 CABIN #4: 7815218005

CABIN #14: 7815218003 CABIN #19: 7815218019

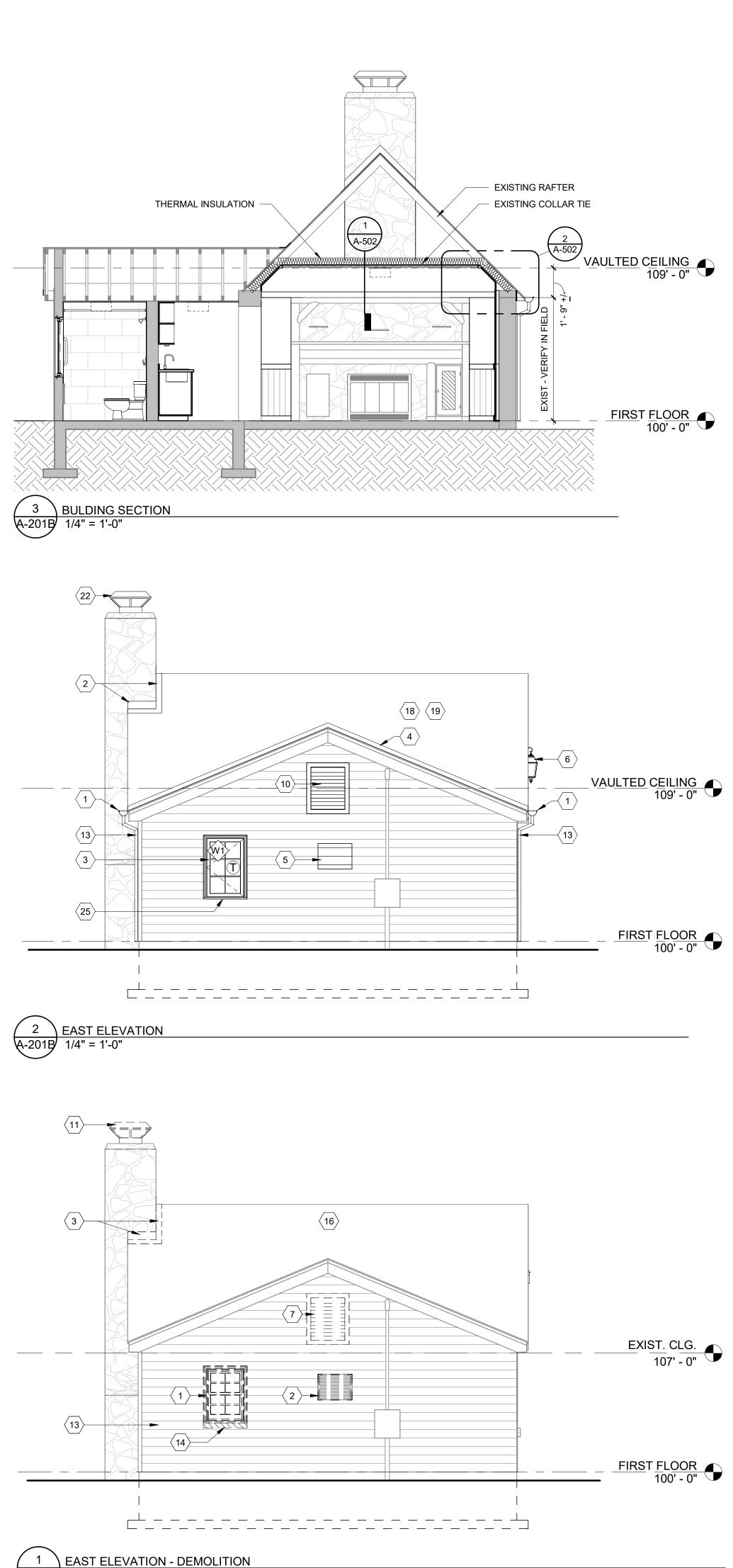
DATE # REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE: DRAWN BY: CHECKED BY: **DESIGNED BY:**

SOUTH, AND WEST

SHEET NUMBER:



GENERAL NOTES - MASONRY RESTORATION * NOTE: ALL INTERIOR AND EXTERIOR LOCATIONS

* NOTE: ALL INTERIOR AND EXTERIOR LOCATIONS

1. RE-POINTING OF THE AREAS WHERE LOOSE OR DETERIORATING MORTAR WILL BE DONE BY CLEANING THE EXISTING JOINTS OF MORTAR TO A DEPTH OF AT LEAST 3/4" OR 2.5 TIMES THE WIDTH OF THE JOINT, WHICHEVER IS MORE. EXISTING MORTAR TO BE REMOVED BY HAND METHODS. THE NEW MORTAR SHALL MATCH EXISTING HISTORIC MORTAR IN COLOR, TEXTURE, COMPOSITION MIX, AND JOINT PROFILE. THE MASON IS TO ADJUST THE MORTAR MIX TO A "HARDNESS" NO GREATER THEN THE MASONRY UNITS TO FACILITATE MOVEMENT. THE MASON WILL PROVIDE A TEST PATCH ON THE WALL FOR THE PURPOSES OF EXAMINING THE MORTAR COLOR AND MIX WHICH WILL BE REVIEWED BY THE ARCHITECT AND HISTORIC CONSULTANT TO ENSURE A MATCH. MASONRY DISCOLORATION AND EXCESS MORTAR TO BE GENTLY REMOVED BY HOT WATER LOW POWER WASH (< 20-100 PSI) WITH A LIGHT DUTY ORGANIC SOLVENT CLEANER EQUIVALENT TO PROSOCO SUREKLEAN. REPAIR OR REPLACE ANY DAMAGED MASONRY, OR STONE UNITS WITH UNITS TO MATCH IN SIZE, SHAPE, COLOR, AND TEXTURE.

2. STONE CLEANING SHOULD ADHERE TO NPS "PRESERVATION BRIEF 1: ASSESSING CLEANING AND WATER REPELLANT TREATMENTS FOR HISTORIC MASONRY BUILDINGS."

KEYED NOTES - EXTERIOR ELEVATIONS

- NEW 6" HALF ROUND EXTENDED FLANGE GUTTER
- NEW 6" HALF ROUND EXTENDED FLANGE GUTTER PRE-FINISHED METAL VALLEY FLASHING.
- NEW WINDOW IN OPENING -NEW WINDOW TO REPLICATED WITHIN HISTORIC TOLERANCES EXISTING WINDOWS PRIME AND PAINT WHERE WOOD OCCURS TO BE INSTALLED PER WINDOW MANUFACTURES SPECIFICATIONS.
- NEW SHEET METAL FLASHING OVER ICE AND WATER SHEILD.
 INFILL WITH NEW FRAMING/SHEATHING AND NEW LOGS WHERE AC UNIT WAS
- REMOVED.

 6 NEW PHOTOVOLTAIC EXTERIOR LIGHT FIXTURE SELECTED BY OWNER.
- 7 NEW CONCRETE STEPS
- 8 NEW WOOD PICKETS
- 9 REPAIR WOOD LATTICE AS REQUIRED.
- 10 NEW ATTIC VENT. PROVIDE INSET SCREEN W/ ALUMINUM LOUVERED VENT.
- 12 NEW VENT AT CRAWL SPACE PAINTED COMPOSITE.
 13 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. DRAIN TO FRENCH
- DRAINS, COORDINATE WITH CIVIL.

 14 CLEAN AND RESTORE EXISTING DOORS WITH NEW HARDWARE. PATCH AND
- REPAIR AS REQUIRE. MATCH ALL EXISTING PROFILES.
- 15 TEMPERED SIDELITES. FIXED SASH. REUSE EXISTING TRUE DIVIDED LITE. REPAIR/REPLACE MUTINS AS REQUIRED USING EXAMPLE FROM EXISTING WINDOW FOR MILLING.
- 16 PROVIDE NEW GLASS INTO EXISTING MUTIN AS REQUIRED, FIXED SASH. REUSE EXISTING TRUE DIVIDED LITE. REPAIR/REPLACE MUTINS AS REQUIRED USING EXAMPLE FROM EXISTING WINDOW FOR MILLING.
- 17 NEW AC UNIT, COORDINATE WITH MEP DRAWINGS.18 BASE BID: NEW ASPHALT SHINGLES AND UNDERLAYMENT.
- 19 <u>ALTERNATE #1:</u>SYTHETIC SHAKE SHINGLE ROOFING WITH CEDAR BREATHER BETWEEN EACH LAYER
- 20 NEW INSECT SCREEN
- 21 NEW CONCRETE TOPPING SLAB
- 22 NEW METAL CHIMNEY CAP, 12 GUAGE HOT DIPPED GALVANIZED SHEET METAL TO MATCH EXISTING. PRIME AND PAINT COLOR AS SELECTED BY OWNER.
- 23 NEW METAL SCREEN INSET. REFER TO SPEC FOR GAUGE.
- 24 NEW STEEL GALVANIZED HANDRAIL. SEE SHEET A-501.
- 26 NEW WEATHER BARRIER OVER EXISTING SUBSTRATE. REINSTALL EXISTING HARVESTED VERTICAL SIDING OR PROVIDE NEW TO MATCH EXISTING. BUTT
- JOINT AS PREVIOUSLY INSTALLED. PRIME AND PAINT.
- NEW THRU-WALL EXHAUST VENT, REFER TO MEP DRAWINGS.
 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. CONNECT TO STORMWATER PIPING, COORDINATE WITH CIVIL DRAWINGS.

KEYED NOTES - DEMOLITION ELEVATIONS

- 1 REMOVE WINDOW
- 2 REMOVE EXISTING AC UNT
- REMOVE EXISTING METAL FLASHING, PREP FOR NEW WORK.
 REMOVE EXISTING EXTERIOR LIGHT FIXTURE.
- 5 REMOVE STONE STEP. RETAIN FOR REUSE.
 6 REMOVE DAMAGED WOOD LATTICE SECTION
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- 8 REMOVE EXISTING GUTTER AND DOWNSPOUT
- 9 REMOVE EXISTING VENT.10 REMOVE EXISTING WOOD F
- 10 REMOVE EXISTING WOOD RAILING AND POSTS. RETAIL FOR REUSE11 REMOVE EXISTING METAL CHIMNEY CAP
- 11 REMOVE EXISTING METAL CHIMNEY CAP

 12 REMOVED DAMAGED VERTICAL SIDING. HARVEST EXISTING WOOD AND RETAIN
- PIECES FOR RE-USE. CLEAN AND PREP AREA FOR NEW WORK REPAIR AND REPLACE SUBSTRATE WHERE REQUIRED.
- 13 REPLACE EXISTING HALF ROUND LOGS WHERE DAMAGED OR ROTTING. NEW PROFILE TO MATCH EXISTING. SEE SPEC.
- 14 OVERCUT TO PROVIDE AREA FOR NEW WINDOW.
- 15 REMOVE AND REPLACE EXISTING SAWED SHAKE SIDING WHERE DAMAGED OR ROTTING
- 16 REMOVE ALL EXISTING ROOF SHINGLES AND UNDERLAYMENT. AS REQUIRED.
- 17 REMOVE PORTION OF WALL FOR NEW EXHAUST VENT. REFER TO MEP

EXTERIOR MATERIALS LEGEND

STONE VENEER

SAWED SIDING, PAINTED

LOG SIDING - MEDOW VALLEY 2 X 6 X 16' SPRUCE SMOOTH

ASPHALT SHINGLE

TRIM/ PANEL

ARCHITECTURAL SHINGLE

CONCRETE

STATE OF MISSOURI MIKE KEHOE, GOVERNOR



ROBERT WILSON WAGSTAFF - ARCHITECT MO# A-7340 STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE

PROFESSIONAL SEAL

NO. 000639



MANAGEMENT,
DESIGN AND CONSCTRUCTION

OFFICE OF ADMINISTRATION

DIVISION OF FACILITIES

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE
RENOVATE CABINS 1-4, 14, & 19
SAM A. BAKER STATE PARK
SAM A. BAKER STATE PARK
5580 STATE HIGHWAY 143

PATTERSON, MO 63956

PROJECT # X2319-01 SITE # 5218 ASSET # CABIN #1: 7815218008 CABIN #2: 7815218007 CABIN #3: 7815218002 CABIN #4: 7815218005 CABIN #14: 7815218003 CABIN #19: 7815218019

DATE # REVISION

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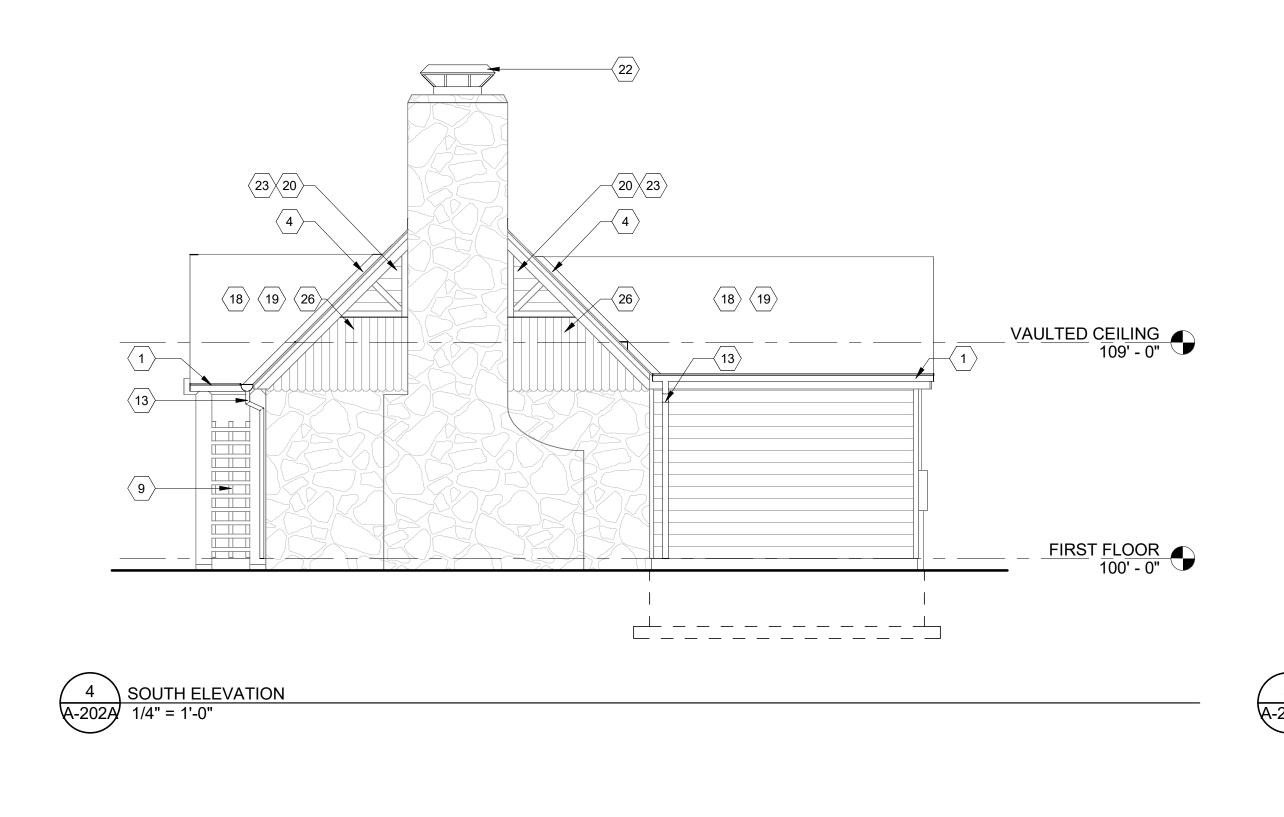
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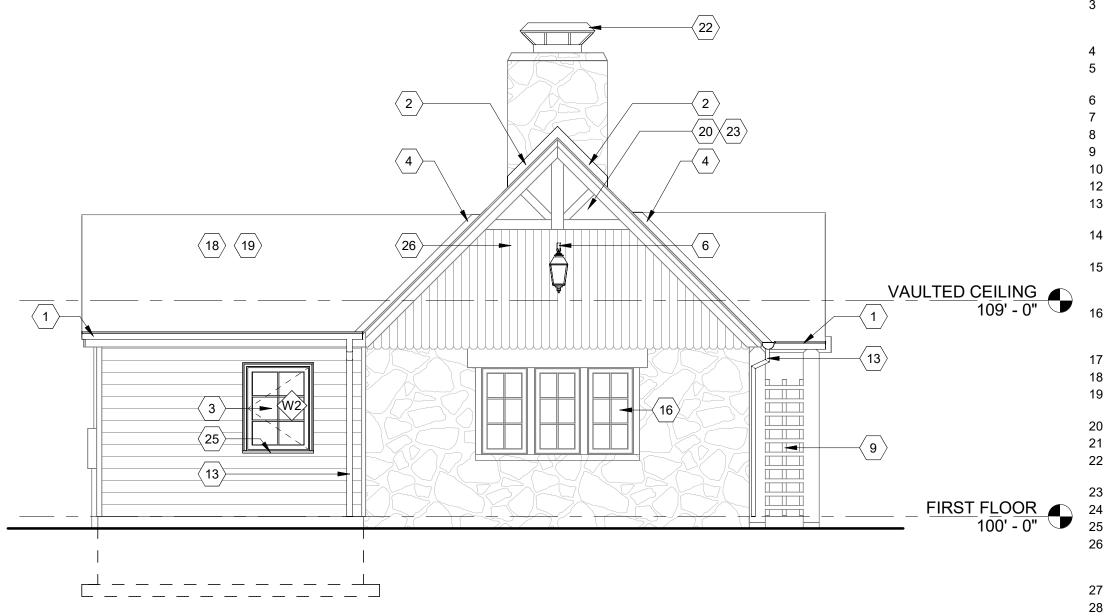
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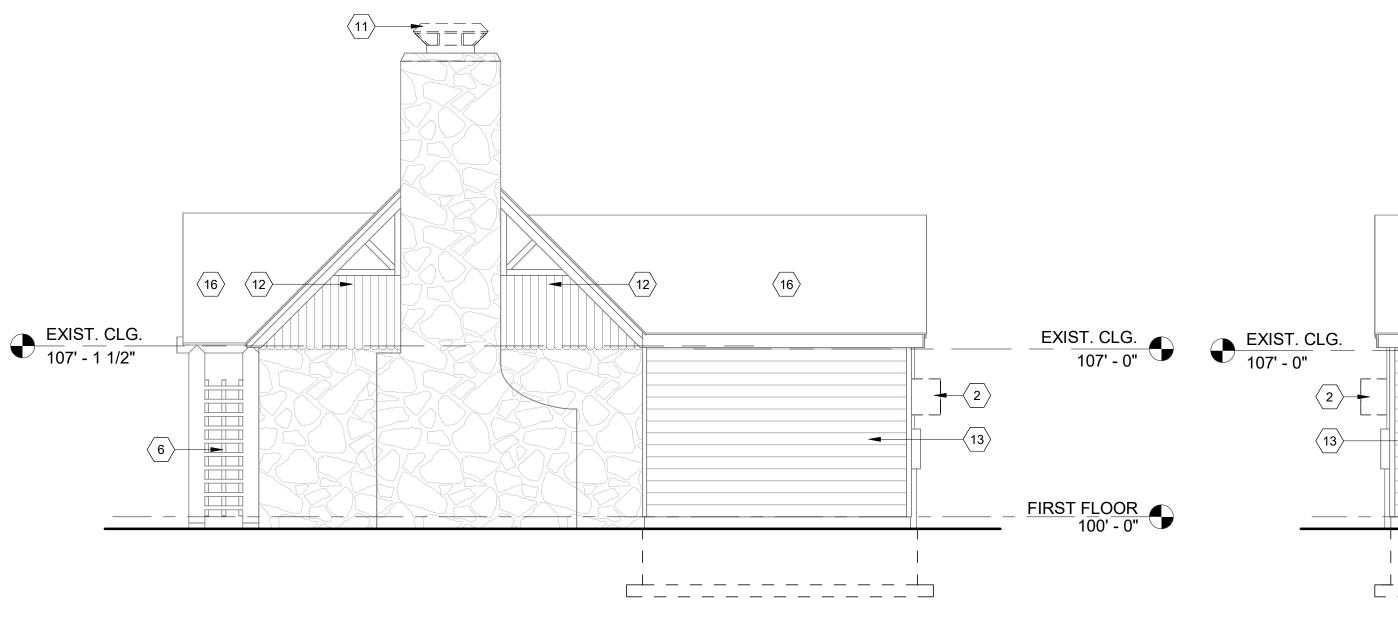
CABIN #1 - EXTERIOR ELEVATIONS AND BUILDING SECTION

SHEET NUMBER:

A-201E

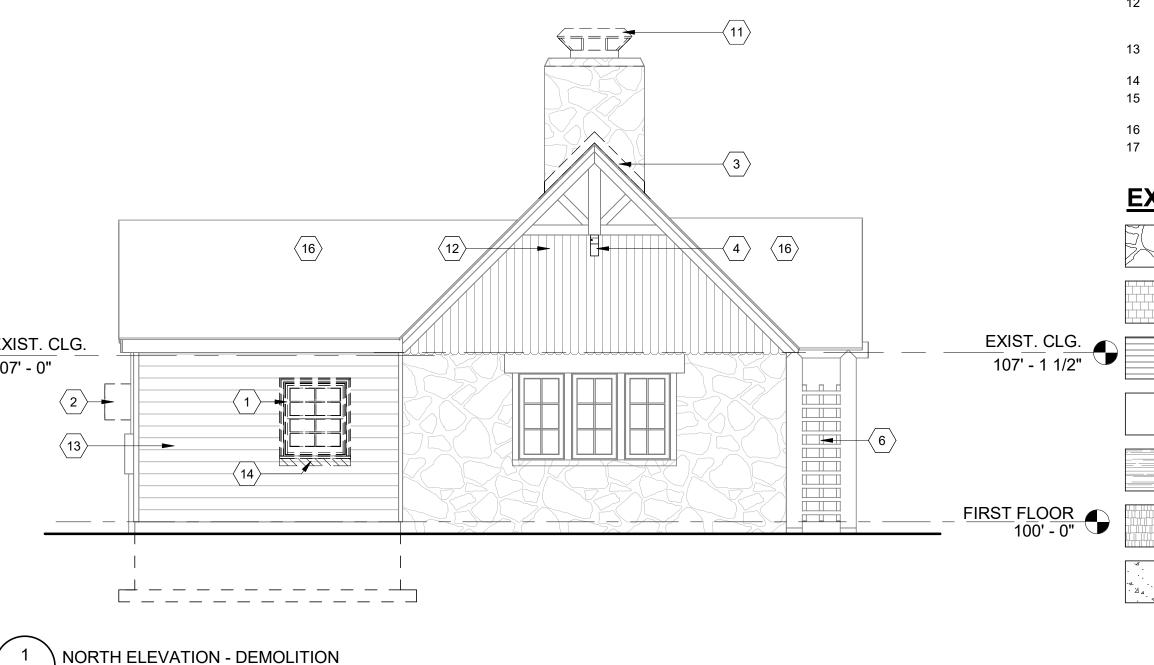






SOUTH ELEVATION - DEMOLITION

A-202A 1/4" = 1'-0"



A-202A 1/4" = 1'-0"

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- 6 NEW PHOTOVOLTAIC EXTERIOR LIGHT FIXTURE SELECTED BY OWNER.

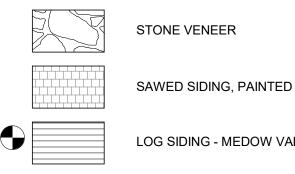
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- 7 NEW CONCRETE STEPS
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LOG SIDING - MEDOW VALLEY 2 X 6 X 16' SPRUCE SMOOTH

TRIM/ PANEL

ASPHALT SHINGLE

ARCHITECTURAL SHINGLE

CONCRETE

CHECKED BY: DESIGNED BY:

CAD DWG FILE:

DRAWN BY:

ISSUEDATE: 11/20/25

SHEET TITLE:

CABIN #2 - EXTERIOR **ELEVATIONS - NORTH** AND SOUTH

STATE OF MISSOURI

MIKE KEHOE,

GOVERNOR

11/20/2025

ROBERT WILSON WAGSTAFF - ARCHITECT

MO# A-7340 STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE

NO. 000639

PROFESSIONAL SEAL

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RENOVATE CABINS 1-4, 14, & 19

SAM A. BAKER STATE PARK

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5580 STATE HIGHWAY 143

PATTERSON, MO 63956

5218

7815218008

7815218007

7815218022

7815218005

7815218003

7815218019

PROJECT # X2319-01

DATE # REVISION

SITE#

ASSET# CABIN #1:

CABIN #2:

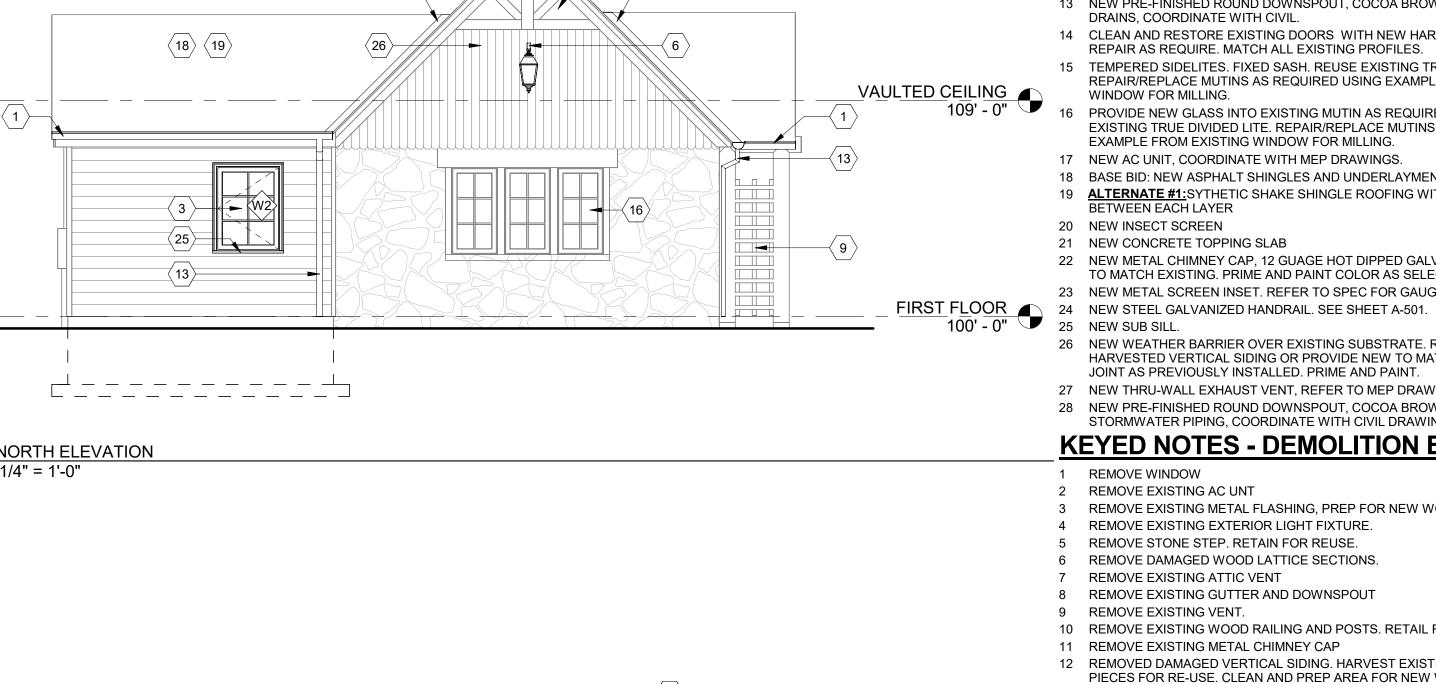
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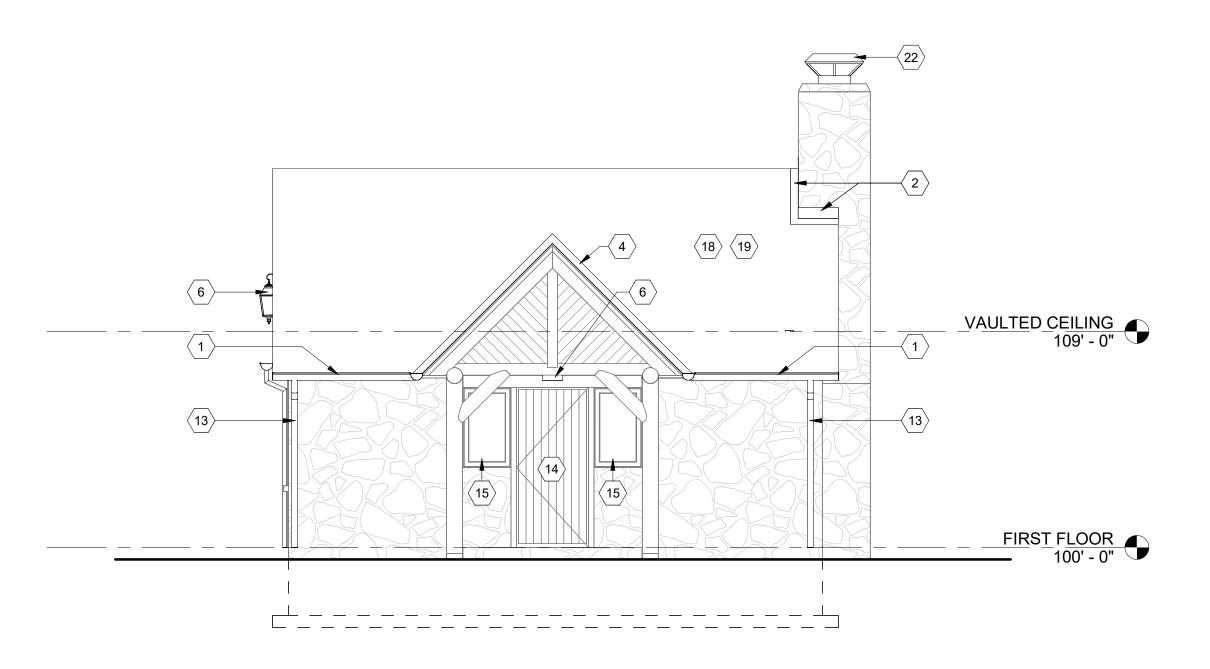
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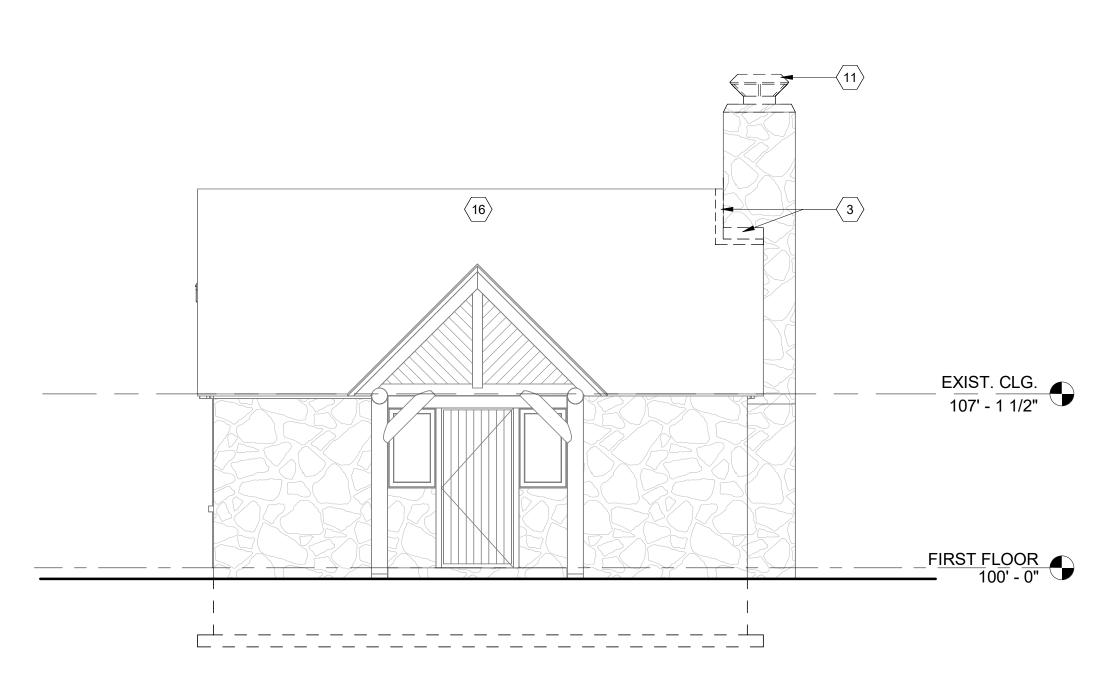
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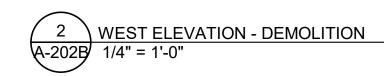
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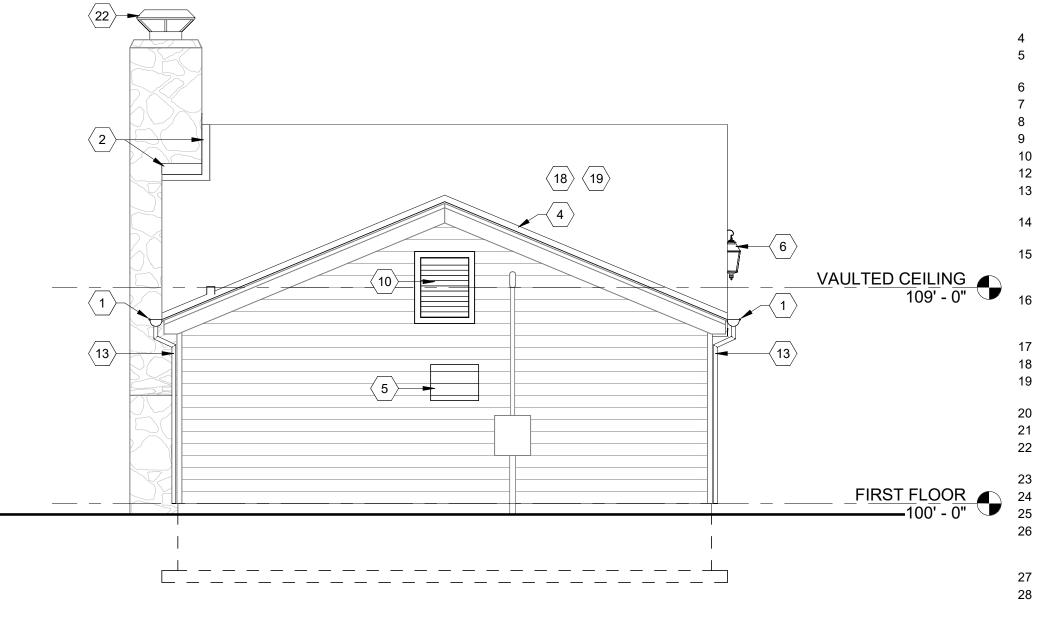


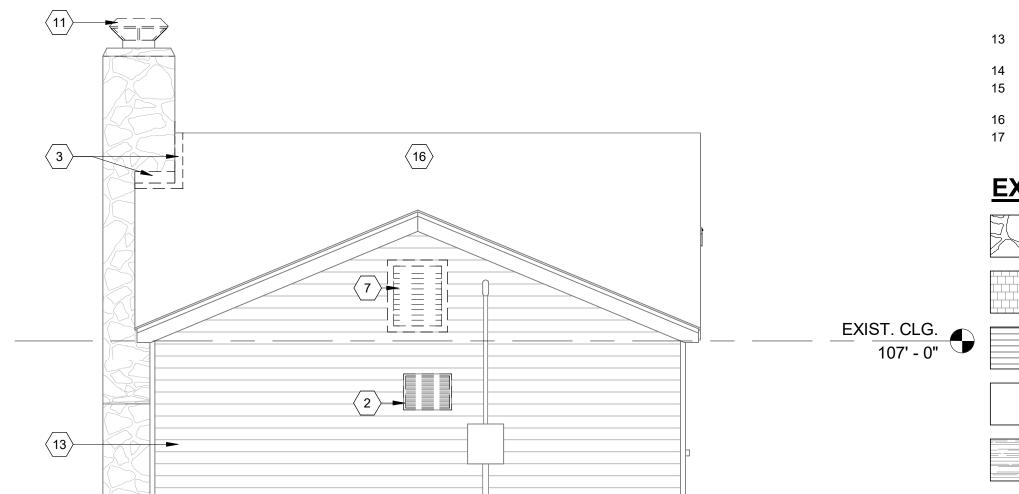




WEST ELEVATION

A-202B 1/4" = 1'-0"







EAST ELEVATION

4-202B/ 1/4" = 1'-0"

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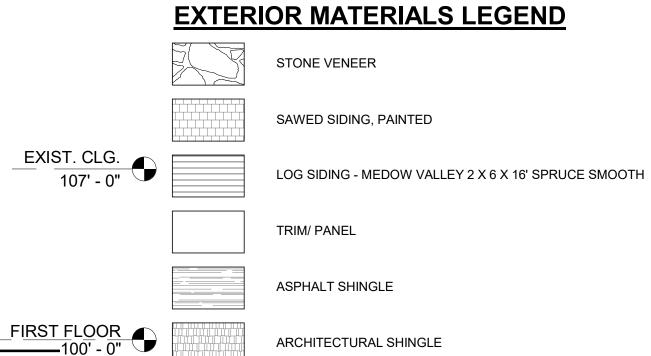
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EXTERIOR MATERIALS LEGEND



CONCRETE

STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



ROBERT WILSON WAGSTAFF - ARCHITECT STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE

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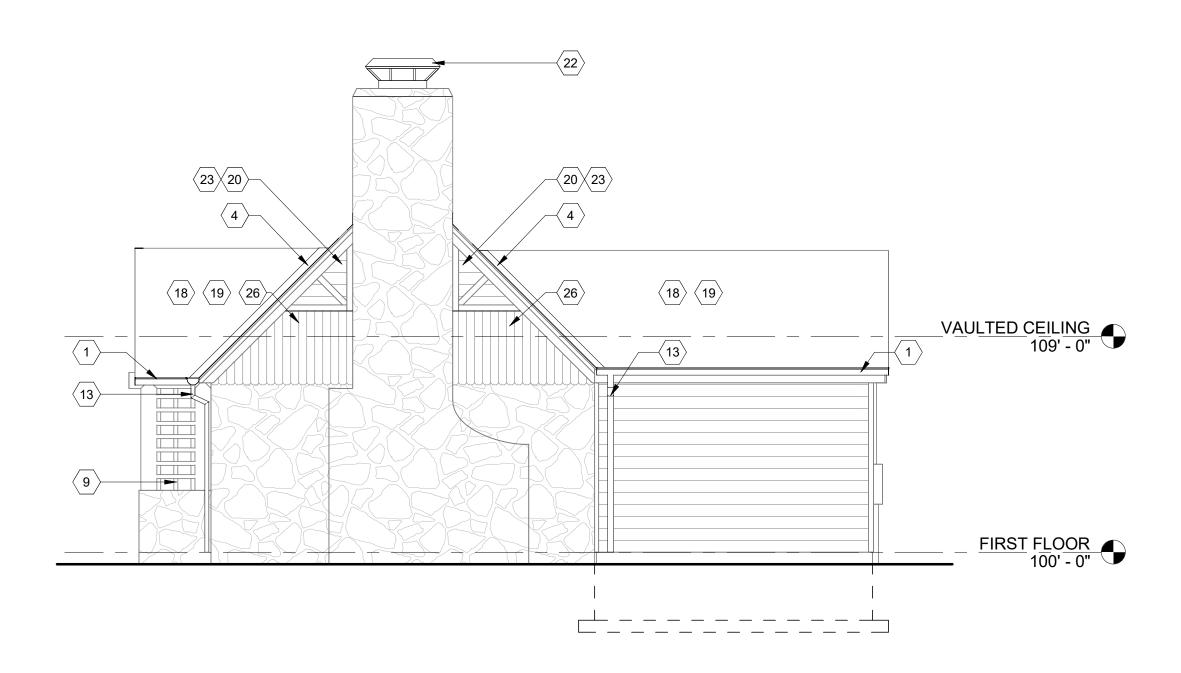
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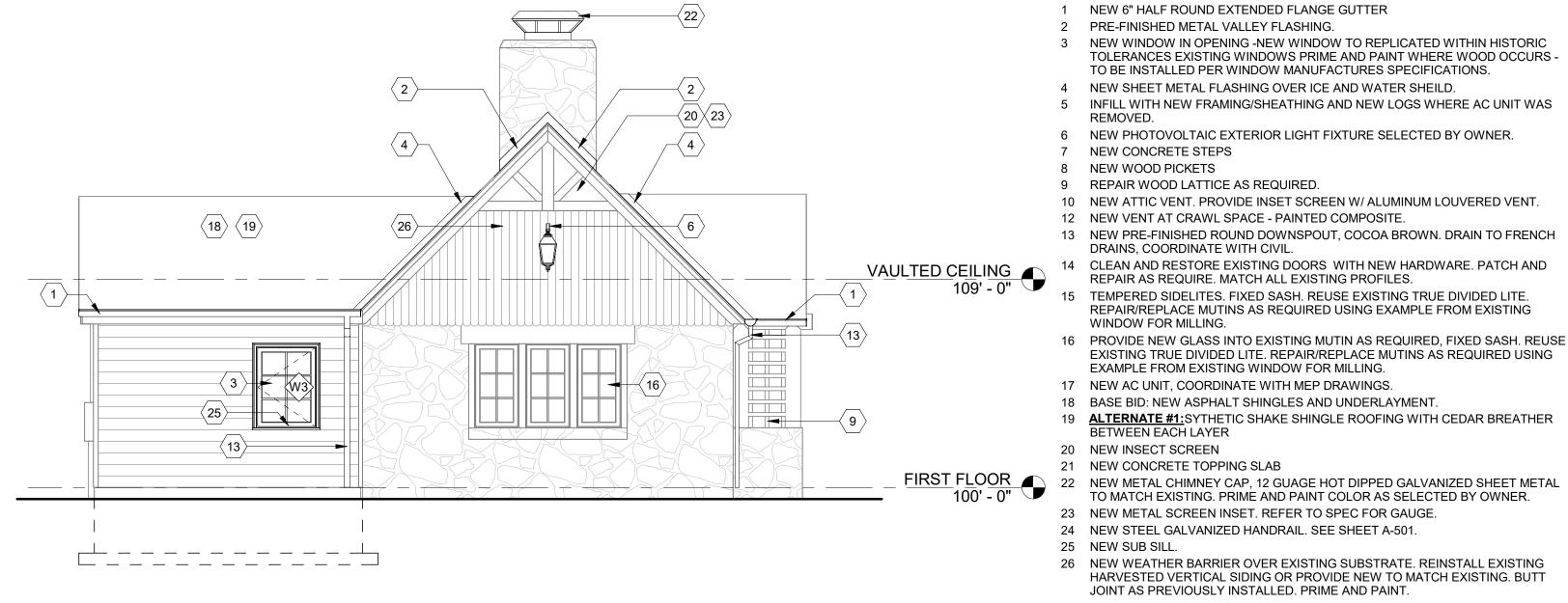
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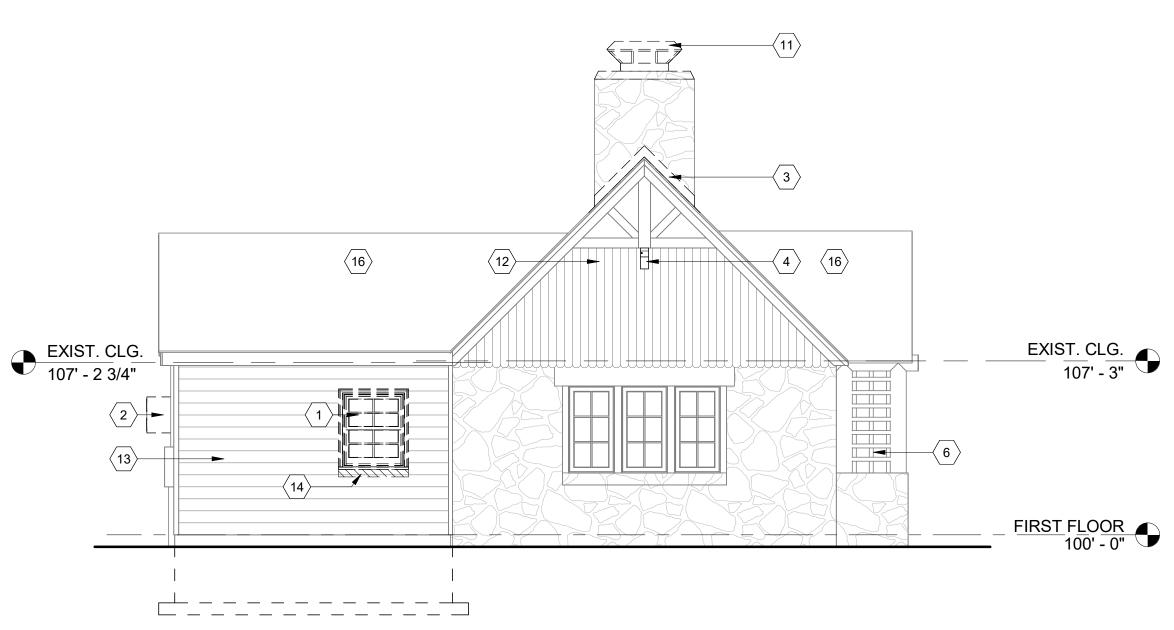
SHEET NUMBER:



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6

√16
√12
√

SOUTH ELEVATION

A-203A 1/4" = 1'-0"

EXIST. CLG.

GENERAL NOTES - MASONRY RESTORATION

* NOTE: ALL INTERIOR AND EXTERIOR LOCATIONS 1. RE-POINTING OF THE AREAS WHERE LOOSE OR DETERIORATING MORTAR WILL BE DONE BY CLEANING THE EXISTING JOINTS OF MORTAR TO A DEPTH OF AT LEAST 3/4" OR 2.5 TIMES THE WIDTH OF THE JOINT, WHICHEVER IS MORE. EXISTING MORTAR TO BE REMOVED BY HAND METHODS. THE NEW MORTAR SHALL MATCH EXISTING HISTORIC MORTAR IN COLOR, TEXTURE, COMPOSITION MIX, AND JOINT PROFILE. THE MASON IS TO ADJUST THE MORTAR MIX TO A "HARDNESS" NO GREATER THEN THE MASONRY UNITS TO FACILITATE MOVEMENT. THE MASON WILL PROVIDE A TEST PATCH ON THE WALL FOR THE PURPOSES OF EXAMINING THE MORTAR COLOR AND MIX WHICH WILL BE REVIEWED BY THE ARCHITECT AND HISTORIC CONSULTANT TO ENSURE A MATCH. MASONRY DISCOLORATION AND EXCESS MORTAR TO BE GENTLY REMOVED BY HOT WATER LOW POWER WASH (< 20-100 PSI) WITH A LIGHT DUTY ORGANIC SOLVENT CLEANER EQUIVALENT TO PROSOCO SUREKLEAN. REPAIR OR REPLACE ANY DAMAGED MASONRY, OR STONE UNITS WITH UNITS TO MATCH IN SIZE, SHAPE, COLOR, AND TEXTURE. STONE CLEANING SHOULD ADHERE TO NPS "PRESERVATION BRIEF 1: ASSESSING CLEANING AND WATER REPELLANT TREATMENTS FOR HISTORIC MASONRY

KEYED NOTES - EXTERIOR ELEVATIONS

NEW 6" HALF ROUND EXTENDED FLANGE GUTTER

PRE-FINISHED METAL VALLEY FLASHING. NEW WINDOW IN OPENING -NEW WINDOW TO REPLICATED WITHIN HISTORIC TOLERANCES EXISTING WINDOWS PRIME AND PAINT WHERE WOOD OCCURS -TO BE INSTALLED PER WINDOW MANUFACTURES SPECIFICATIONS.

NEW SHEET METAL FLASHING OVER ICE AND WATER SHEILD. INFILL WITH NEW FRAMING/SHEATHING AND NEW LOGS WHERE AC UNIT WAS

6 NEW PHOTOVOLTAIC EXTERIOR LIGHT FIXTURE SELECTED BY OWNER.

7 NEW CONCRETE STEPS

8 NEW WOOD PICKETS

9 REPAIR WOOD LATTICE AS REQUIRED.

10 NEW ATTIC VENT. PROVIDE INSET SCREEN W/ ALUMINUM LOUVERED VENT.

12 NEW VENT AT CRAWL SPACE - PAINTED COMPOSITE. 13 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. DRAIN TO FRENCH

DRAINS, COORDINATE WITH CIVIL.

14 CLEAN AND RESTORE EXISTING DOORS WITH NEW HARDWARE. PATCH AND REPAIR AS REQUIRE. MATCH ALL EXISTING PROFILES. TEMPERED SIDELITES. FIXED SASH. REUSE EXISTING TRUE DIVIDED LITE.

- REPAIR/REPLACE MUTINS AS REQUIRED USING EXAMPLE FROM EXISTING 16 PROVIDE NEW GLASS INTO EXISTING MUTIN AS REQUIRED, FIXED SASH. REUSE
- EXISTING TRUE DIVIDED LITE. REPAIR/REPLACE MUTINS AS REQUIRED USING EXAMPLE FROM EXISTING WINDOW FOR MILLING.

17 NEW AC UNIT, COORDINATE WITH MEP DRAWINGS. 18 BASE BID: NEW ASPHALT SHINGLES AND UNDERLAYMENT.

- 19 **ALTERNATE #1:** SYTHETIC SHAKE SHINGLE ROOFING WITH CEDAR BREATHER BETWEEN EACH LAYER
- 20 NEW INSECT SCREEN 21 NEW CONCRETE TOPPING SLAB
- TO MATCH EXISTING. PRIME AND PAINT COLOR AS SELECTED BY OWNER.
- 23 NEW METAL SCREEN INSET. REFER TO SPEC FOR GAUGE. 24 NEW STEEL GALVANIZED HANDRAIL. SEE SHEET A-501.
- 26 NEW WEATHER BARRIER OVER EXISTING SUBSTRATE. REINSTALL EXISTING
- HARVESTED VERTICAL SIDING OR PROVIDE NEW TO MATCH EXISTING. BUTT
- JOINT AS PREVIOUSLY INSTALLED. PRIME AND PAINT. 27 NEW THRU-WALL EXHAUST VENT, REFER TO MEP DRAWINGS
- 28 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. CONNECT TO STORMWATER PIPING, COORDINATE WITH CIVIL DRAWINGS.

KEYED NOTES - DEMOLITION ELEVATIONS

REMOVE WINDOW

REMOVE EXISTING AC UNT REMOVE EXISTING METAL FLASHING, PREP FOR NEW WORK.

4 REMOVE EXISTING EXTERIOR LIGHT FIXTURE.

5 REMOVE STONE STEP. RETAIN FOR REUSE.

6 REMOVE DAMAGED WOOD LATTICE SECTIONS.

7 REMOVE EXISTING ATTIC VENT 8 REMOVE EXISTING GUTTER AND DOWNSPOUT

9 REMOVE EXISTING VENT.

10 REMOVE EXISTING WOOD RAILING AND POSTS. RETAIL FOR REUSE

11 REMOVE EXISTING METAL CHIMNEY CAP 12 REMOVED DAMAGED VERTICAL SIDING. HARVEST EXISTING WOOD AND RETAIN PIECES FOR RE-USE. CLEAN AND PREP AREA FOR NEW WORK REPAIR AND REPLACE SUBSTRATE WHERE REQUIRED.

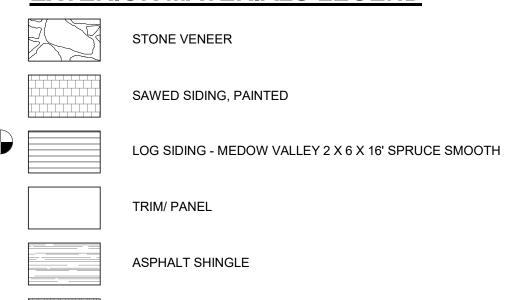
13 REPLACE EXISTING HALF ROUND LOGS WHERE DAMAGED OR ROTTING. NEW PROFILE TO MATCH EXISTING. SEE SPEC.

14 OVERCUT TO PROVIDE AREA FOR NEW WINDOW.

15 REMOVE AND REPLACE EXISTING SAWED SHAKE SIDING WHERE DAMAGED OR

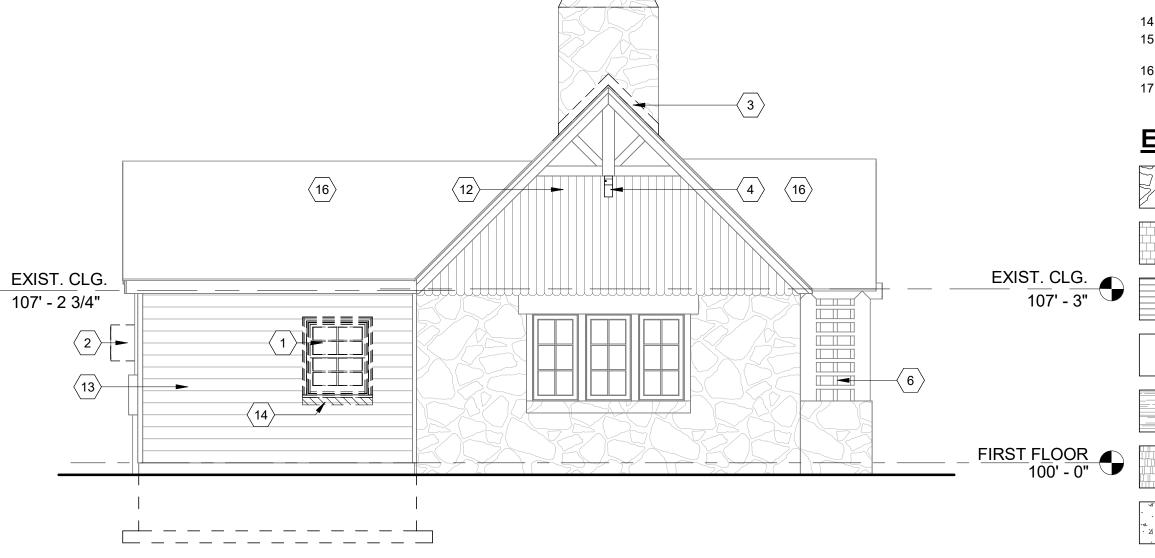
16 REMOVE ALL EXISTING ROOF SHINGLES AND UNDERLAYMENT. AS REQUIRED. 17 REMOVE PORTION OF WALL FOR NEW EXHAUST VENT. REFER TO MEP

EXTERIOR MATERIALS LEGEND



ARCHITECTURAL SHINGLE

CONCRETE



NORTH ELEVATION - DEMOLITION A-203A 1/4" = 1'-0"

(A-203A) 1/4" = 1'-0"

STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



ROBERT WILSON WAGSTAFF - ARCHITECT STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE

PROFESSIONAL SEAL

NO. 000639



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 SITE# 5218 ASSET# CABIN #1: 7815218008 CABIN #2: 7815218007 CABIN #3: 7815218022 CABIN #4: 7815218005 CABIN #14: 7815218003 CABIN #19: 7815218019

DATE # REVISION

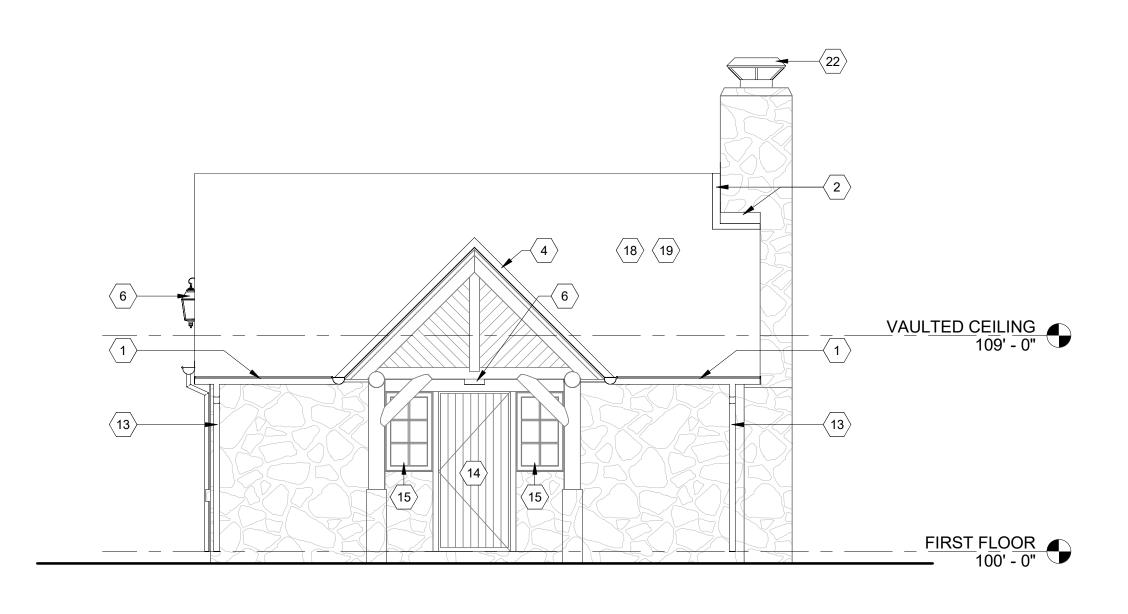
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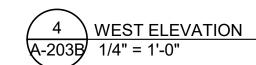
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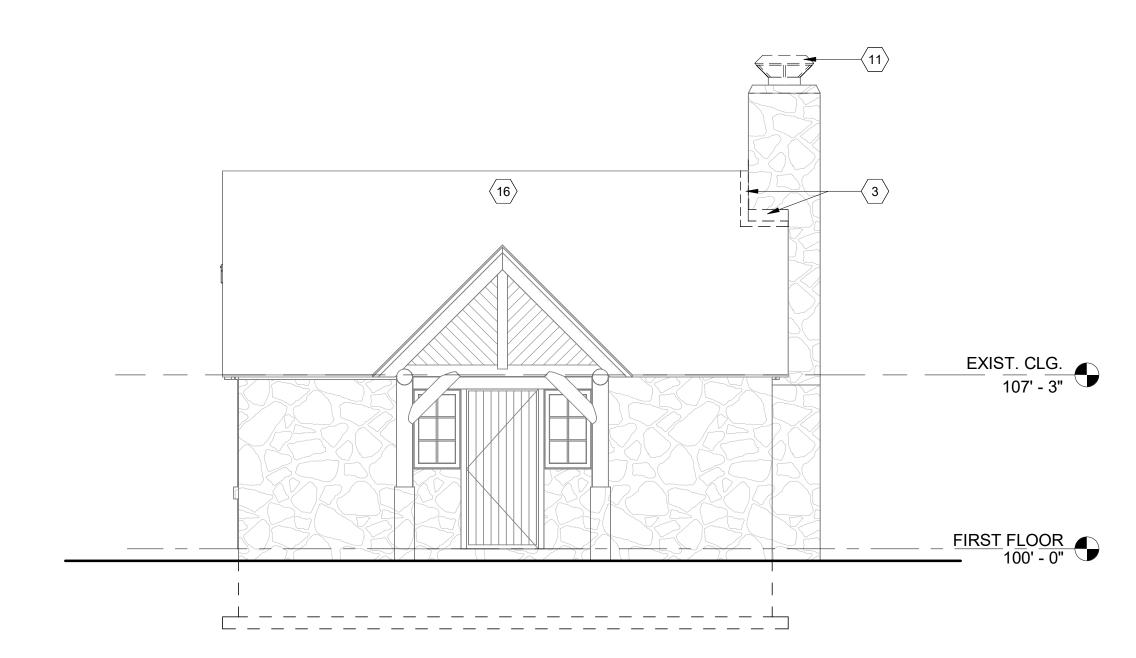
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CABIN #3 - EXTERIOR **ELEVATIONS - NORTH** AND SOUTH

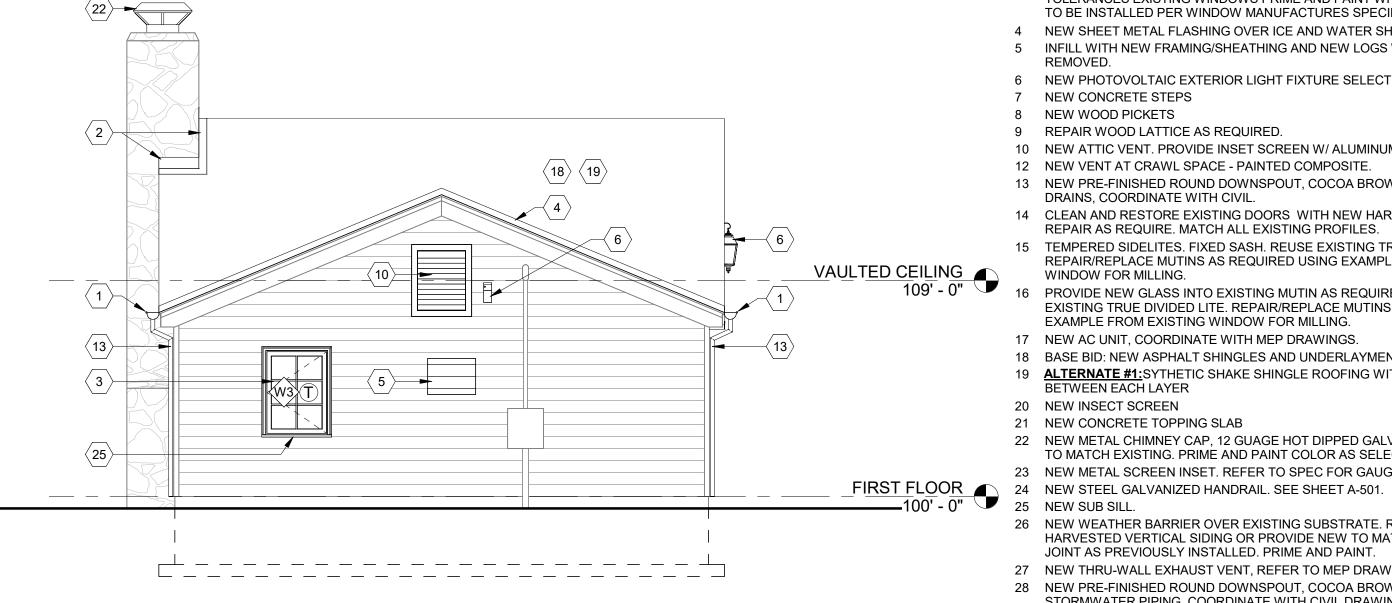
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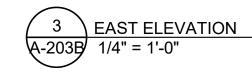


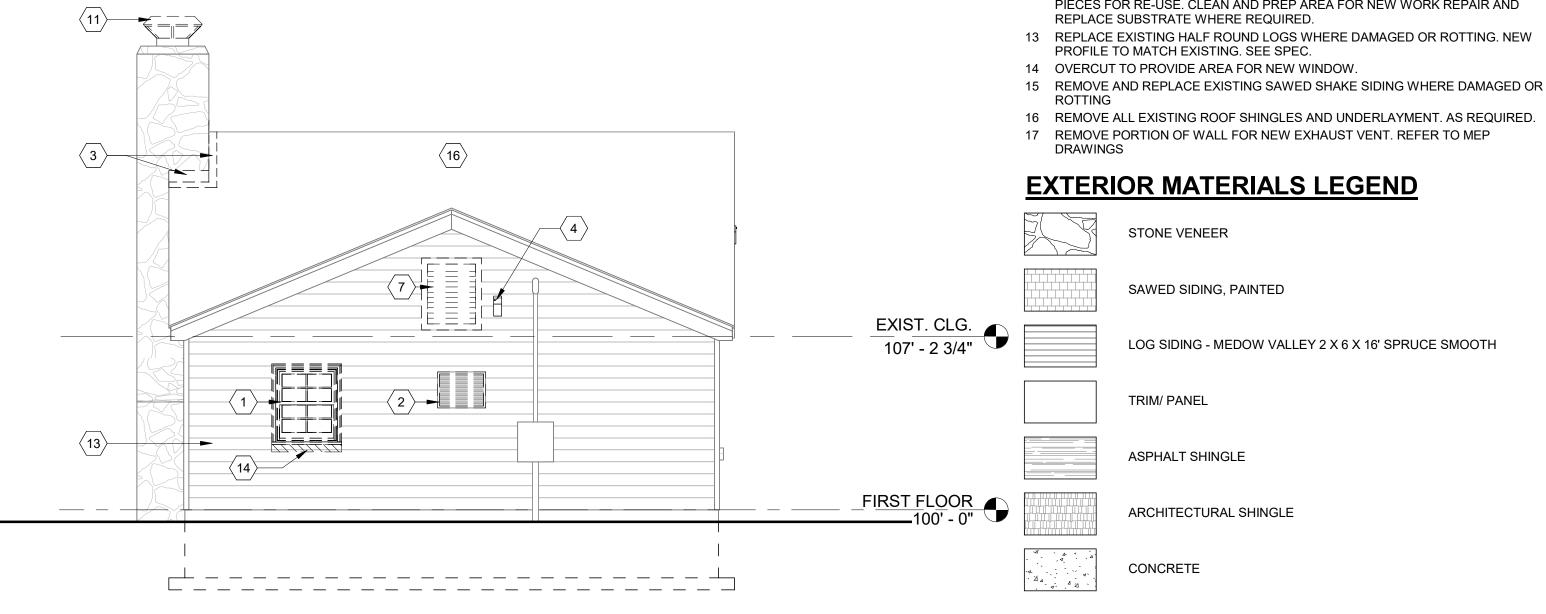














GENERAL NOTES - MASONRY RESTORATION

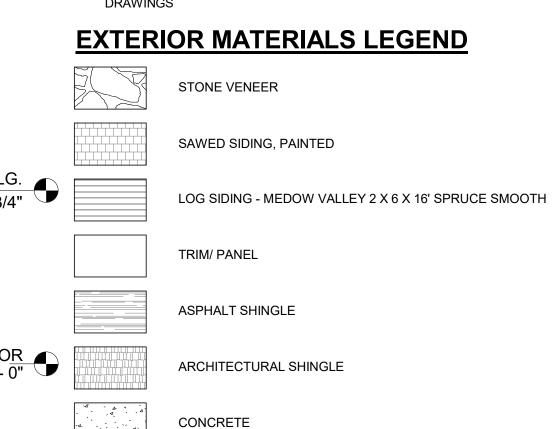
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KEYED NOTES - EXTERIOR ELEVATIONS

- NEW 6" HALF ROUND EXTENDED FLANGE GUTTER
- PRE-FINISHED METAL VALLEY FLASHING.
- NEW WINDOW IN OPENING -NEW WINDOW TO REPLICATED WITHIN HISTORIC TOLERANCES EXISTING WINDOWS PRIME AND PAINT WHERE WOOD OCCURS -TO BE INSTALLED PER WINDOW MANUFACTURES SPECIFICATIONS.
- NEW SHEET METAL FLASHING OVER ICE AND WATER SHEILD.
- INFILL WITH NEW FRAMING/SHEATHING AND NEW LOGS WHERE AC UNIT WAS 6 NEW PHOTOVOLTAIC EXTERIOR LIGHT FIXTURE SELECTED BY OWNER.
- 7 NEW CONCRETE STEPS
- 8 NEW WOOD PICKETS
- 9 REPAIR WOOD LATTICE AS REQUIRED.
- 10 NEW ATTIC VENT. PROVIDE INSET SCREEN W/ ALUMINUM LOUVERED VENT.
- 12 NEW VENT AT CRAWL SPACE PAINTED COMPOSITE.
- 13 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. DRAIN TO FRENCH DRAINS, COORDINATE WITH CIVIL.
- 14 CLEAN AND RESTORE EXISTING DOORS WITH NEW HARDWARE. PATCH AND REPAIR AS REQUIRE. MATCH ALL EXISTING PROFILES.
- 15 TEMPERED SIDELITES. FIXED SASH. REUSE EXISTING TRUE DIVIDED LITE. REPAIR/REPLACE MUTINS AS REQUIRED USING EXAMPLE FROM EXISTING
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- BETWEEN EACH LAYER 20 NEW INSECT SCREEN 21 NEW CONCRETE TOPPING SLAB
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KEYED NOTES - DEMOLITION ELEVATIONS

- REMOVE WINDOW
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- 6 REMOVE DAMAGED WOOD LATTICE SECTIONS. 7 REMOVE EXISTING ATTIC VENT
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- PIECES FOR RE-USE. CLEAN AND PREP AREA FOR NEW WORK REPAIR AND REPLACE SUBSTRATE WHERE REQUIRED. 13 REPLACE EXISTING HALF ROUND LOGS WHERE DAMAGED OR ROTTING. NEW
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- 14 OVERCUT TO PROVIDE AREA FOR NEW WINDOW.
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NO. 000639

PROFESSIONAL SEAL



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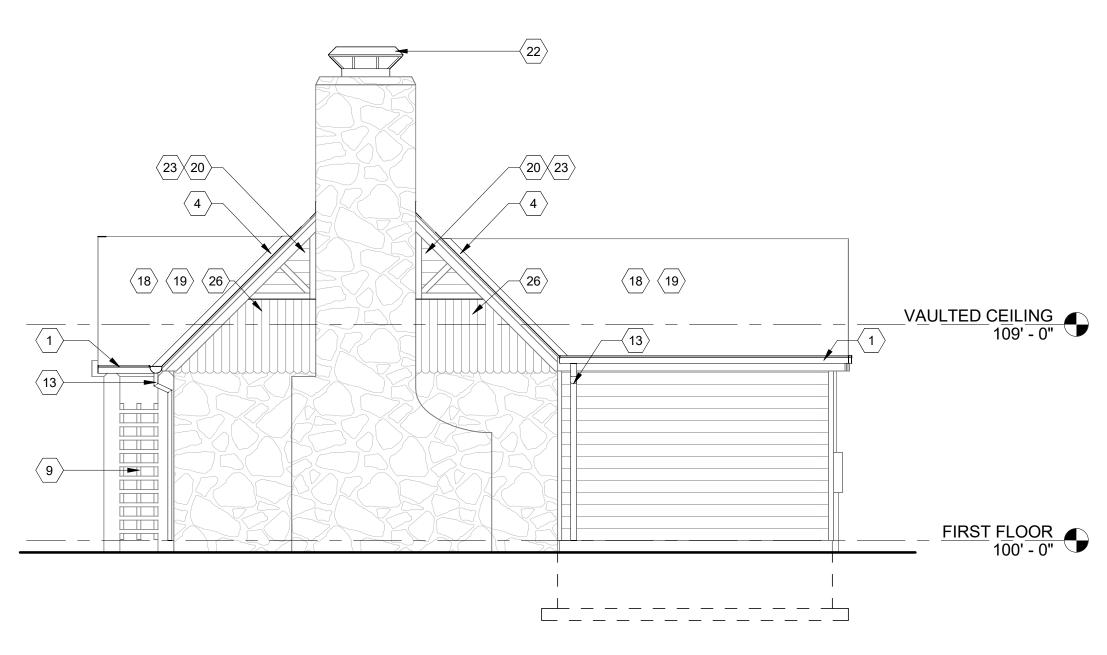
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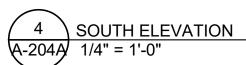
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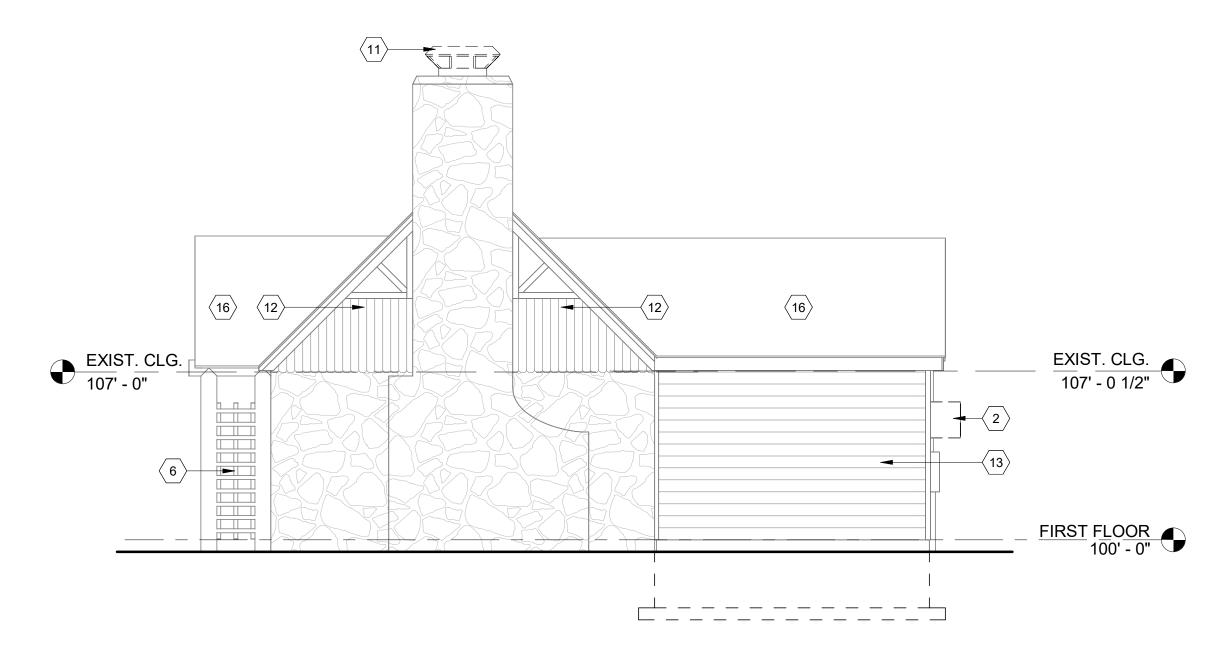
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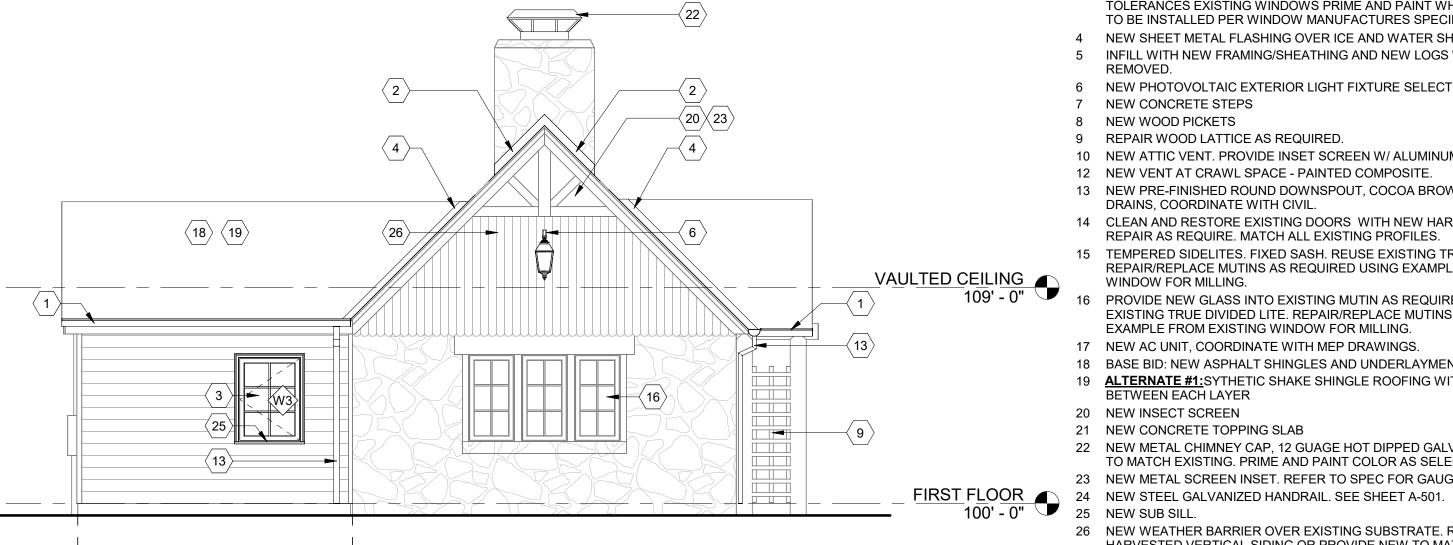
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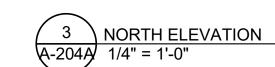


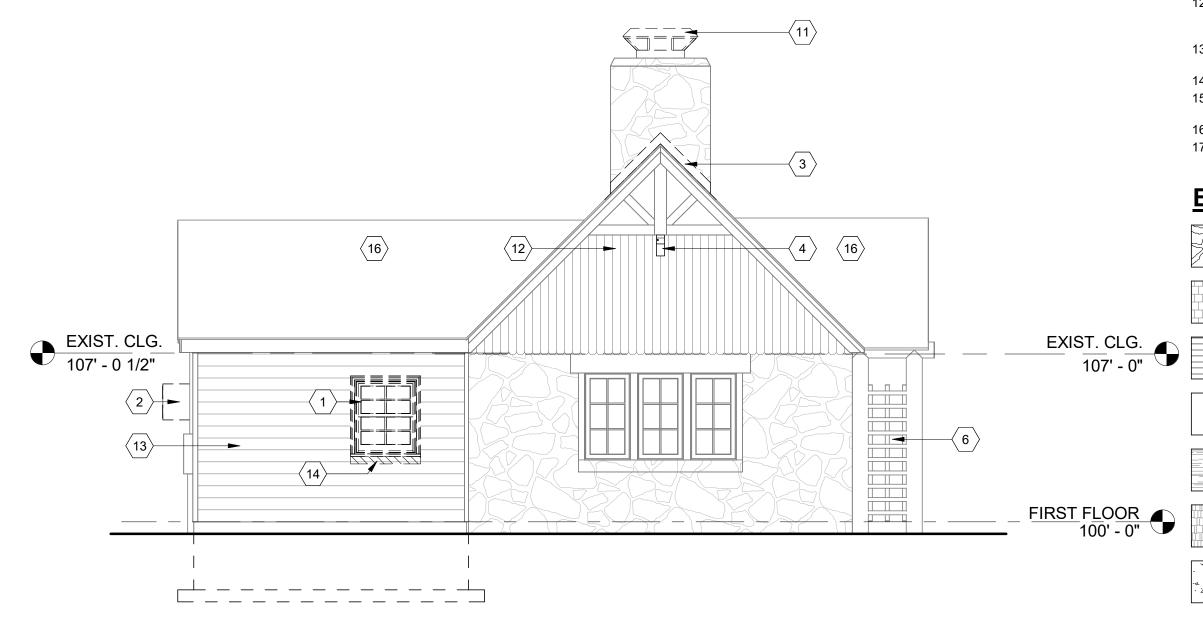












NORTH ELEVATION - DEMOLITION A-204A 1/4" = 1'-0"

GENERAL NOTES - MASONRY RESTORATION * NOTE: ALL INTERIOR AND EXTERIOR LOCATIONS

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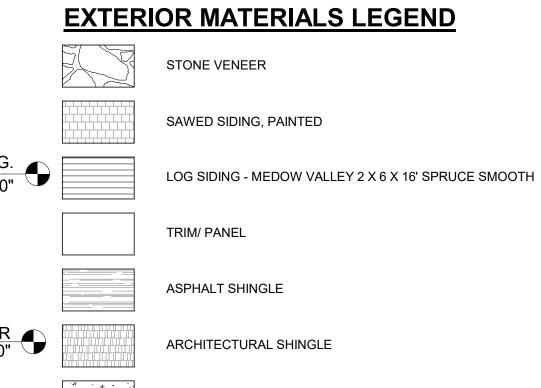
KEYED NOTES - EXTERIOR ELEVATIONS

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EXTERIOR MATERIALS LEGEND



CONCRETE

STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



ROBERT WILSON WAGSTAFF - ARCHITECT STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE

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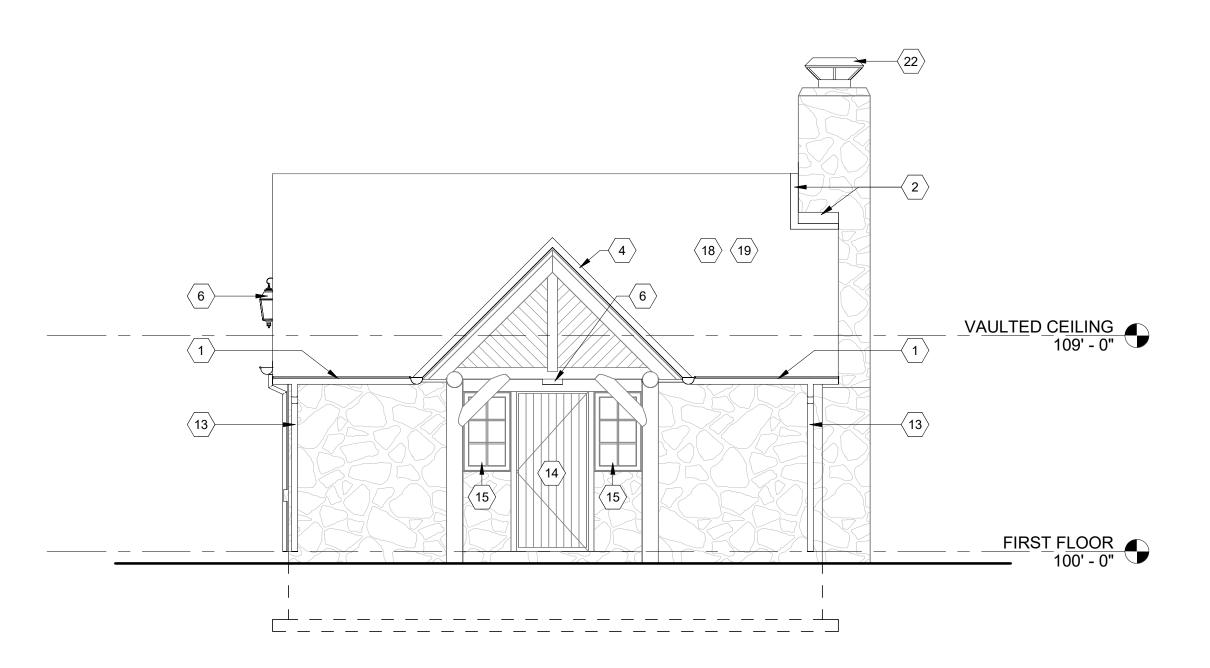
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SHEET TITLE:

CABIN #4 - EXTERIOR

ELEVATIONS - NORTH AND SOUTH

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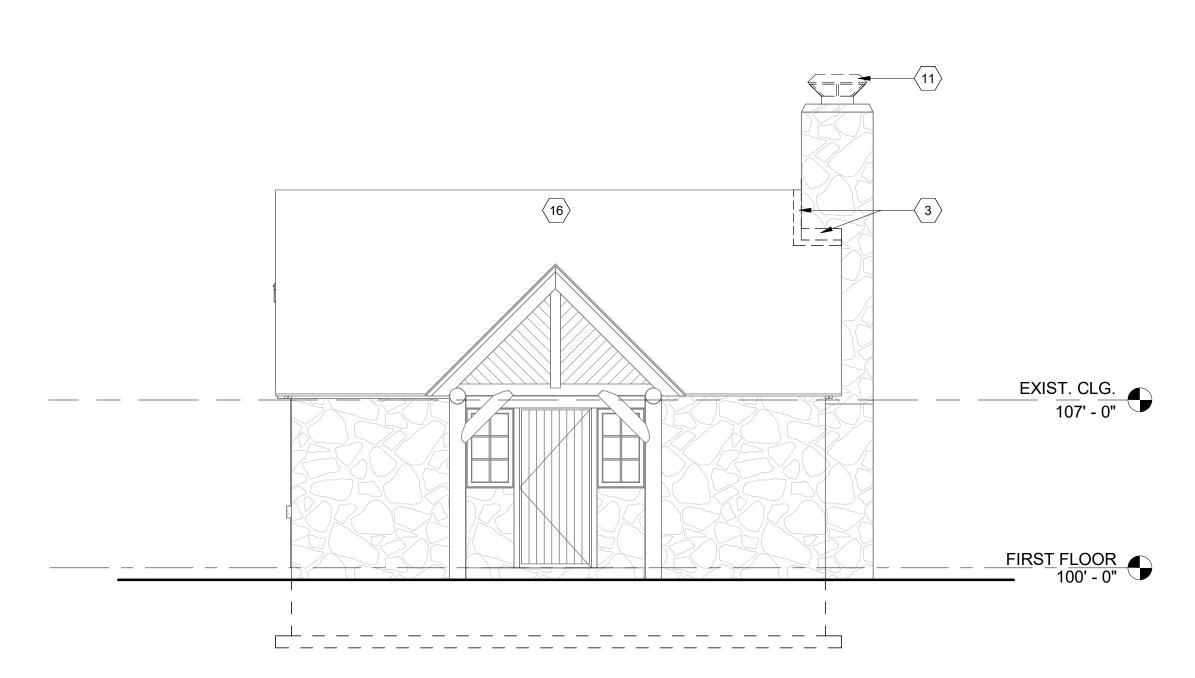


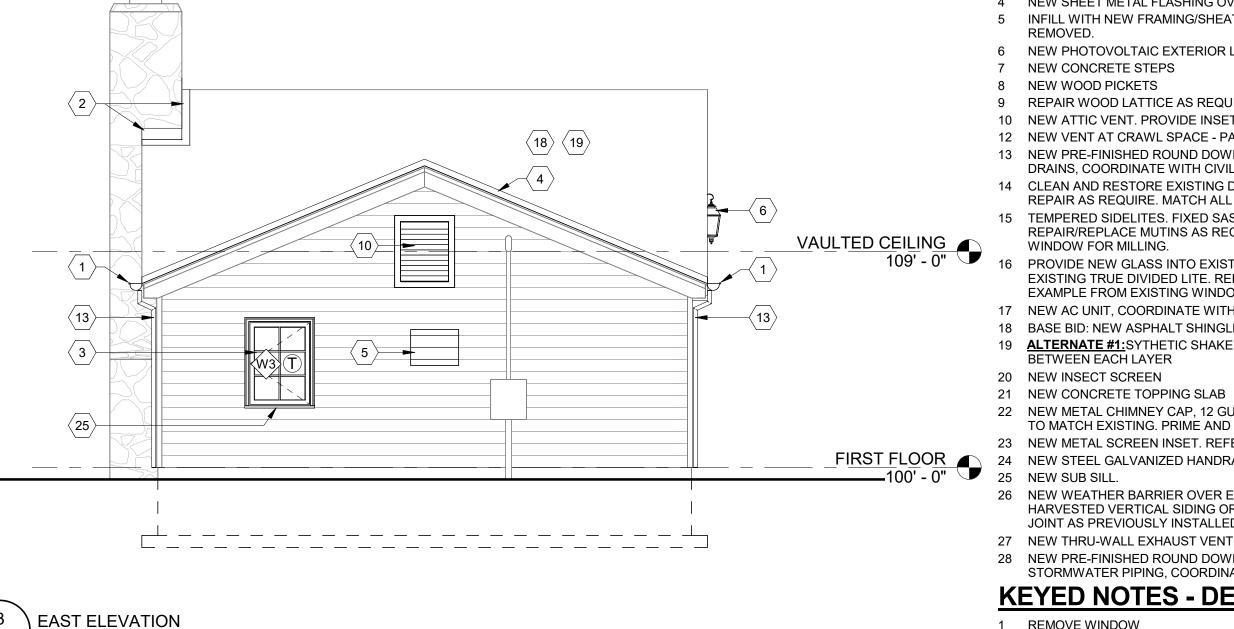
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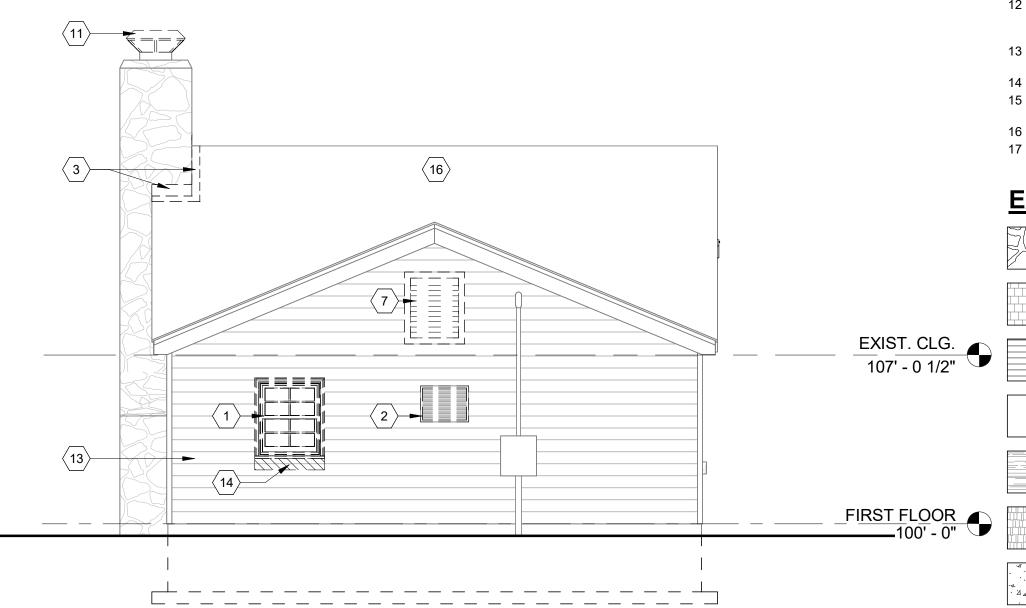
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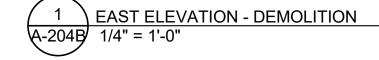
A-204B 1/4" = 1'-0"

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A-204B 1/4 = 1'-0"

GENERAL NOTES - MASONRY RESTORATION * NOTE: ALL INTERIOR AND EXTERIOR LOCATIONS

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- 7 NEW CONCRETE STEPS
- 8 NEW WOOD PICKETS 9 REPAIR WOOD LATTICE AS REQUIRED.
- 10 NEW ATTIC VENT. PROVIDE INSET SCREEN W/ ALUMINUM LOUVERED VENT.
- 12 NEW VENT AT CRAWL SPACE PAINTED COMPOSITE.
- 13 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN, DRAIN TO FRENCH DRAINS, COORDINATE WITH CIVIL.
- 14 CLEAN AND RESTORE EXISTING DOORS WITH NEW HARDWARE. PATCH AND REPAIR AS REQUIRE. MATCH ALL EXISTING PROFILES.
- 15 TEMPERED SIDELITES. FIXED SASH. REUSE EXISTING TRUE DIVIDED LITE. REPAIR/REPLACE MUTINS AS REQUIRED USING EXAMPLE FROM EXISTING
- PROVIDE NEW GLASS INTO EXISTING MUTIN AS REQUIRED, FIXED SASH. REUSE EXISTING TRUE DIVIDED LITE. REPAIR/REPLACE MUTINS AS REQUIRED USING EXAMPLE FROM EXISTING WINDOW FOR MILLING.
- 17 NEW AC UNIT, COORDINATE WITH MEP DRAWINGS. 18 BASE BID: NEW ASPHALT SHINGLES AND UNDERLAYMENT.
- 19 **ALTERNATE #1:** SYTHETIC SHAKE SHINGLE ROOFING WITH CEDAR BREATHER
- BETWEEN EACH LAYER 20 NEW INSECT SCREEN
- 22 NEW METAL CHIMNEY CAP, 12 GUAGE HOT DIPPED GALVANIZED SHEET METAL TO MATCH EXISTING. PRIME AND PAINT COLOR AS SELECTED BY OWNER.
- 23 NEW METAL SCREEN INSET. REFER TO SPEC FOR GAUGE.
- FIRST FLOOR 24 NEW STEEL GALVANIZED HANDRAIL. SEE SHEET A-501. 25 NEW SUB SILL. 26 NEW WEATHER BARRIER OVER EXISTING SUBSTRATE, REINSTALL EXISTING
 - HARVESTED VERTICAL SIDING OR PROVIDE NEW TO MATCH EXISTING. BUTT JOINT AS PREVIOUSLY INSTALLED. PRIME AND PAINT.
 - 27 NEW THRU-WALL EXHAUST VENT, REFER TO MEP DRAWINGS
 - 28 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. CONNECT TO STORMWATER PIPING, COORDINATE WITH CIVIL DRAWINGS.

KEYED NOTES - DEMOLITION ELEVATIONS

- REMOVE WINDOW
- REMOVE EXISTING AC UNT
- REMOVE EXISTING METAL FLASHING, PREP FOR NEW WORK. 4 REMOVE EXISTING EXTERIOR LIGHT FIXTURE.
- 5 REMOVE STONE STEP. RETAIN FOR REUSE. 6 REMOVE DAMAGED WOOD LATTICE SECTIONS.
- 7 REMOVE EXISTING ATTIC VENT
- 8 REMOVE EXISTING GUTTER AND DOWNSPOUT
- 9 REMOVE EXISTING VENT.
- 10 REMOVE EXISTING WOOD RAILING AND POSTS. RETAIL FOR REUSE
- 11 REMOVE EXISTING METAL CHIMNEY CAP 12 REMOVED DAMAGED VERTICAL SIDING. HARVEST EXISTING WOOD AND RETAIN PIECES FOR RE-USE. CLEAN AND PREP AREA FOR NEW WORK REPAIR AND REPLACE SUBSTRATE WHERE REQUIRED.
- 13 REPLACE EXISTING HALF ROUND LOGS WHERE DAMAGED OR ROTTING. NEW PROFILE TO MATCH EXISTING. SEE SPEC.
- 14 OVERCUT TO PROVIDE AREA FOR NEW WINDOW.
- 15 REMOVE AND REPLACE EXISTING SAWED SHAKE SIDING WHERE DAMAGED OR
- 16 REMOVE ALL EXISTING ROOF SHINGLES AND UNDERLAYMENT. AS REQUIRED.
- 17 REMOVE PORTION OF WALL FOR NEW EXHAUST VENT. REFER TO MEP

EXTERIOR MATERIALS LEGEND

STONE VENEER SAWED SIDING, PAINTED

LOG SIDING - MEDOW VALLEY 2 X 6 X 16' SPRUCE SMOOTH

TRIM/ PANEL

ASPHALT SHINGLE

ARCHITECTURAL SHINGLE

CONCRETE

11/20/2025 ROBERT WILSON WAGSTAFF - ARCHITECT STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE NO. 000639

STATE OF MISSOURI

MIKE KEHOE,

GOVERNOR

PROFESSIONAL SEAL



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF **STATE PARKS**

PROJECT TITLE RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143

PATTERSON, MO 63956

7815218019

PROJECT # X2319-01 SITE# 5218 ASSET# CABIN #1: 7815218008 CABIN #2: 7815218007 CABIN #3: 7815218022 CABIN #4: 7815218005 CABIN #14: 7815218003

DATE # REVISION

CABIN #19:

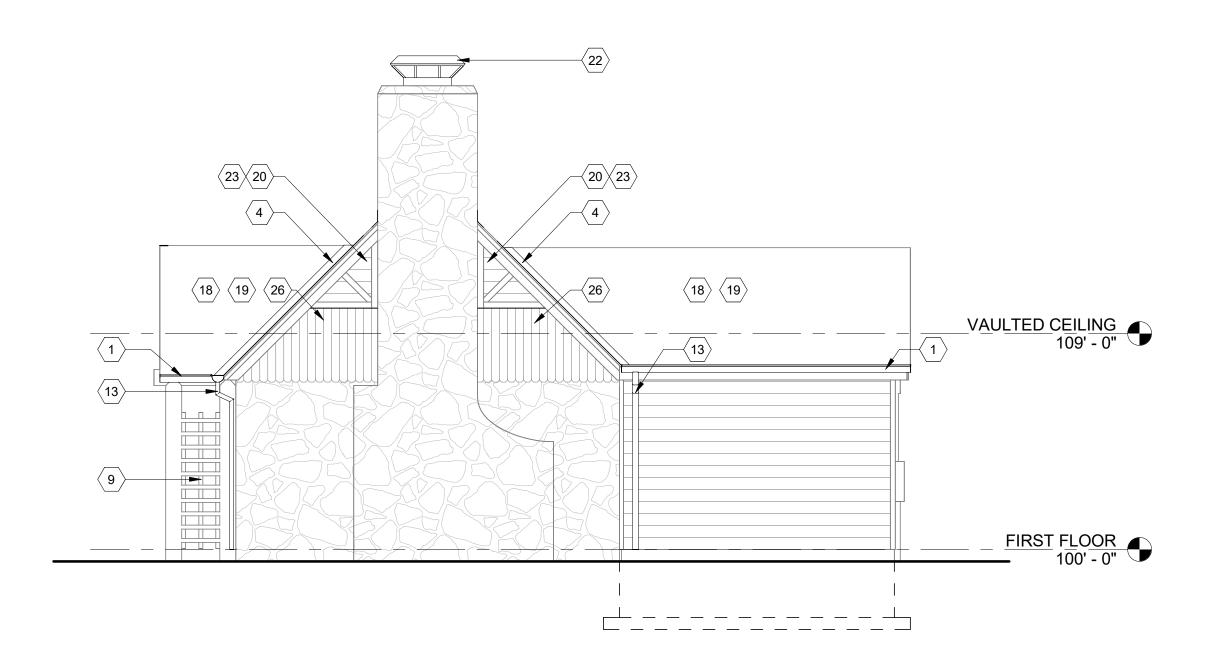
ISSUEDATE: 11/20/25

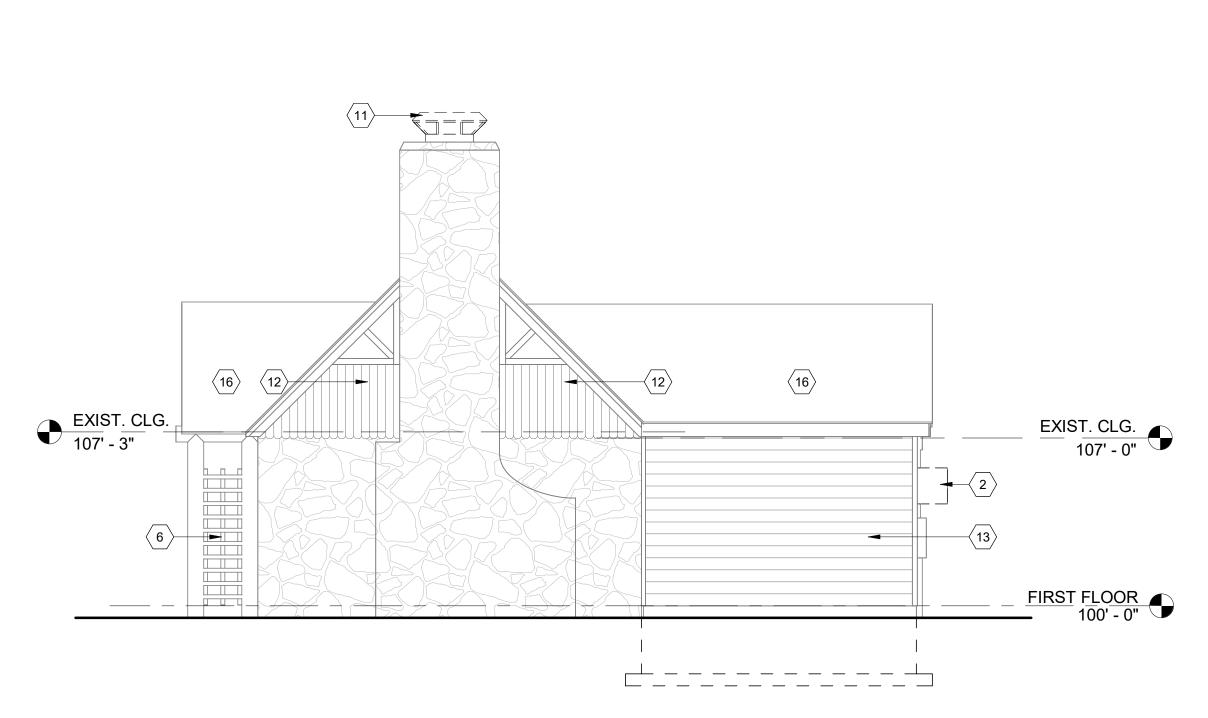
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SHEET TITLE:

CABIN #4 - EXTERIOR **ELEVATIONS - EAST** AND WEST

SHEET NUMBER:

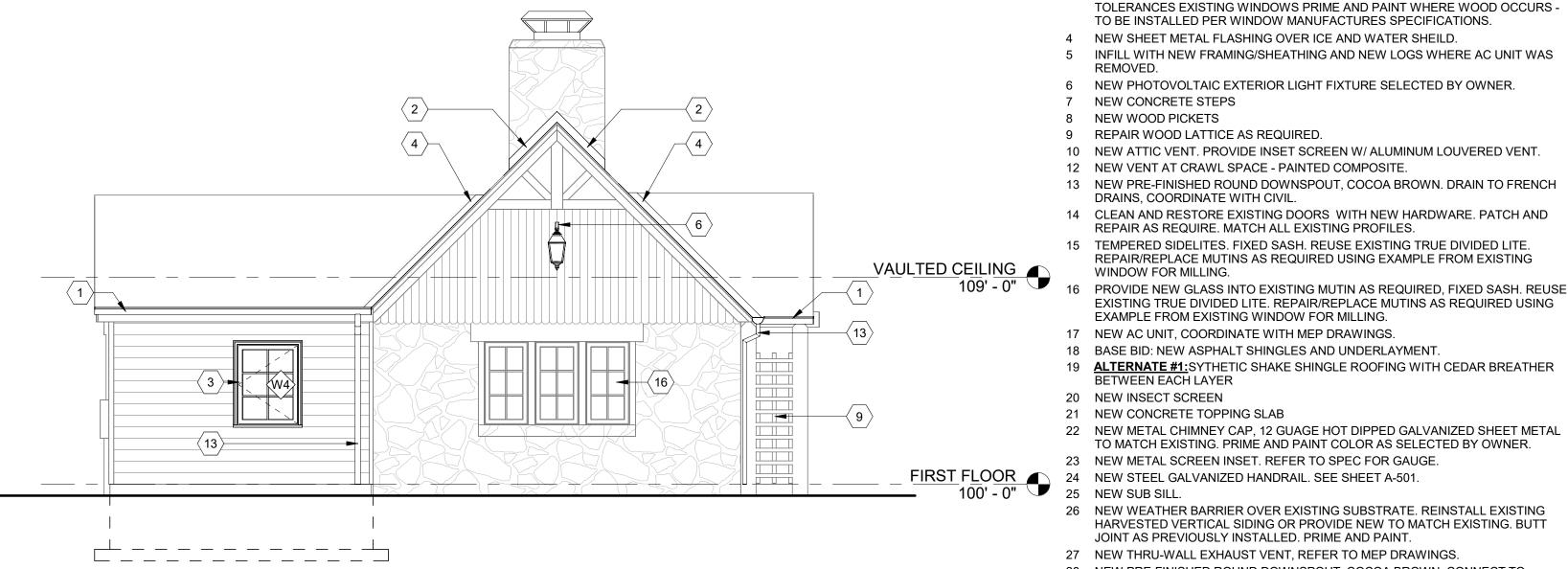


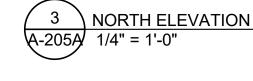


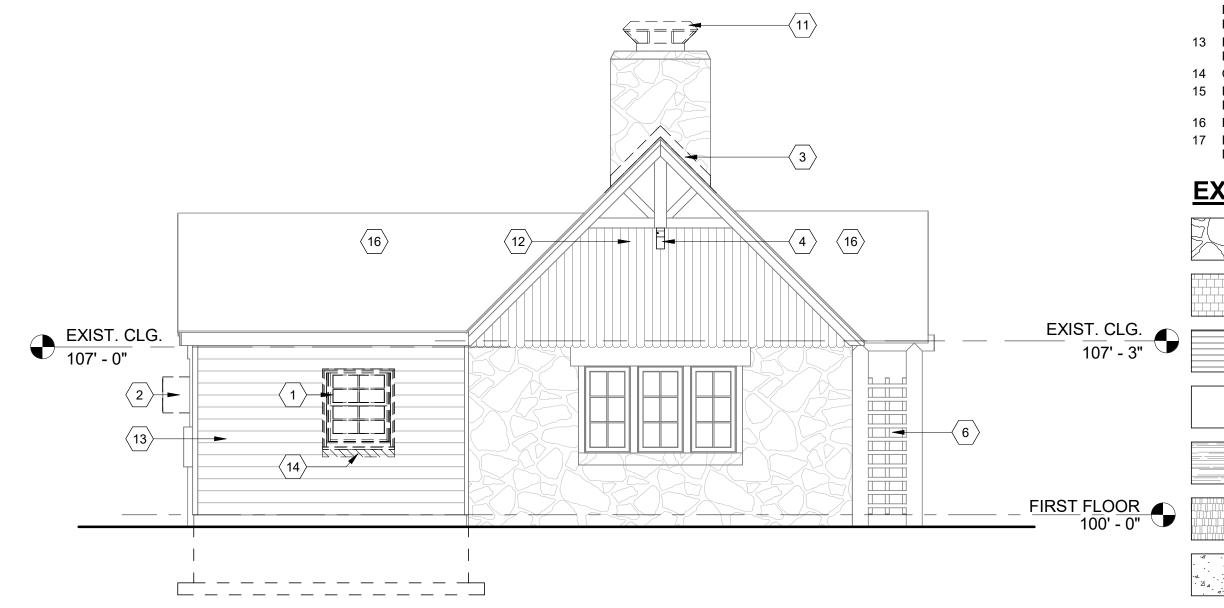


SOUTH ELEVATION

A-205A 1/4" = 1'-0"







NORTH ELEVATION - DEMOLITION A-205A 1/4" = 1'-0"

GENERAL NOTES - MASONRY RESTORATION

* NOTE: ALL INTERIOR AND EXTERIOR LOCATIONS 1. RE-POINTING OF THE AREAS WHERE LOOSE OR DETERIORATING MORTAR WILL BE DONE BY CLEANING THE EXISTING JOINTS OF MORTAR TO A DEPTH OF AT LEAST 3/4" OR 2.5 TIMES THE WIDTH OF THE JOINT, WHICHEVER IS MORE. EXISTING MORTAR TO BE REMOVED BY HAND METHODS. THE NEW MORTAR SHALL MATCH EXISTING HISTORIC MORTAR IN COLOR, TEXTURE, COMPOSITION MIX, AND JOINT PROFILE. THE MASON IS TO ADJUST THE MORTAR MIX TO A "HARDNESS" NO GREATER THEN THE MASONRY UNITS TO FACILITATE MOVEMENT. THE MASON WILL PROVIDE A TEST PATCH ON THE WALL FOR THE PURPOSES OF EXAMINING THE MORTAR COLOR AND MIX WHICH WILL BE REVIEWED BY THE ARCHITECT AND HISTORIC CONSULTANT TO ENSURE A MATCH. MASONRY DISCOLORATION AND EXCESS MORTAR TO BE GENTLY REMOVED BY HOT WATER LOW POWER WASH (< 20-100 PSI) WITH A LIGHT DUTY ORGANIC SOLVENT CLEANER EQUIVALENT TO PROSOCO SUREKLEAN. REPAIR OR REPLACE ANY DAMAGED MASONRY, OR STONE UNITS WITH UNITS TO MATCH IN SIZE, SHAPE, COLOR, AND TEXTURE. STONE CLEANING SHOULD ADHERE TO NPS "PRESERVATION BRIEF 1: ASSESSING CLEANING AND WATER REPELLANT TREATMENTS FOR HISTORIC MASONRY

KEYED NOTES - EXTERIOR ELEVATIONS

NEW 6" HALF ROUND EXTENDED FLANGE GUTTER

PRE-FINISHED METAL VALLEY FLASHING. NEW WINDOW IN OPENING -NEW WINDOW TO REPLICATED WITHIN HISTORIC TOLERANCES EXISTING WINDOWS PRIME AND PAINT WHERE WOOD OCCURS -TO BE INSTALLED PER WINDOW MANUFACTURES SPECIFICATIONS.

4 NEW SHEET METAL FLASHING OVER ICE AND WATER SHEILD.

INFILL WITH NEW FRAMING/SHEATHING AND NEW LOGS WHERE AC UNIT WAS

6 NEW PHOTOVOLTAIC EXTERIOR LIGHT FIXTURE SELECTED BY OWNER. 7 NEW CONCRETE STEPS

8 NEW WOOD PICKETS

9 REPAIR WOOD LATTICE AS REQUIRED.

10 NEW ATTIC VENT. PROVIDE INSET SCREEN W/ ALUMINUM LOUVERED VENT.

12 NEW VENT AT CRAWL SPACE - PAINTED COMPOSITE. 13 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN, DRAIN TO FRENCH

DRAINS, COORDINATE WITH CIVIL.

14 CLEAN AND RESTORE EXISTING DOORS WITH NEW HARDWARE. PATCH AND REPAIR AS REQUIRE. MATCH ALL EXISTING PROFILES.

- REPAIR/REPLACE MUTINS AS REQUIRED USING EXAMPLE FROM EXISTING PROVIDE NEW GLASS INTO EXISTING MUTIN AS REQUIRED, FIXED SASH. REUSE
- EXISTING TRUE DIVIDED LITE. REPAIR/REPLACE MUTINS AS REQUIRED USING EXAMPLE FROM EXISTING WINDOW FOR MILLING.

17 NEW AC UNIT, COORDINATE WITH MEP DRAWINGS. 18 BASE BID: NEW ASPHALT SHINGLES AND UNDERLAYMENT.

19 **ALTERNATE #1:** SYTHETIC SHAKE SHINGLE ROOFING WITH CEDAR BREATHER BETWEEN EACH LAYER 20 NEW INSECT SCREEN

TO MATCH EXISTING. PRIME AND PAINT COLOR AS SELECTED BY OWNER. 23 NEW METAL SCREEN INSET. REFER TO SPEC FOR GAUGE.

FIRST FLOOR
100' - 0"

24 NEW STEEL GALVANIZED HANDRAIL. SEE SHEET A-501.
25 NEW SUB SILL.

26 NEW WEATHER BARRIER OVER EXISTING SUBSTRATE. REINSTALL EXISTING HARVESTED VERTICAL SIDING OR PROVIDE NEW TO MATCH EXISTING. BUTT JOINT AS PREVIOUSLY INSTALLED. PRIME AND PAINT.

27 NEW THRU-WALL EXHAUST VENT, REFER TO MEP DRAWINGS

28 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. CONNECT TO

STORMWATER PIPING, COORDINATE WITH CIVIL DRAWINGS. **KEYED NOTES - DEMOLITION ELEVATIONS**

REMOVE WINDOW

REMOVE EXISTING AC UNT

REMOVE EXISTING METAL FLASHING, PREP FOR NEW WORK. 4 REMOVE EXISTING EXTERIOR LIGHT FIXTURE.

5 REMOVE STONE STEP. RETAIN FOR REUSE.

6 REMOVE DAMAGED WOOD LATTICE SECTIONS.

7 REMOVE EXISTING ATTIC VENT

8 REMOVE EXISTING GUTTER AND DOWNSPOUT

9 REMOVE EXISTING VENT.

10 REMOVE EXISTING WOOD RAILING AND POSTS. RETAIL FOR REUSE

11 REMOVE EXISTING METAL CHIMNEY CAP

12 REMOVED DAMAGED VERTICAL SIDING. HARVEST EXISTING WOOD AND RETAIN PIECES FOR RE-USE. CLEAN AND PREP AREA FOR NEW WORK REPAIR AND REPLACE SUBSTRATE WHERE REQUIRED.

13 REPLACE EXISTING HALF ROUND LOGS WHERE DAMAGED OR ROTTING. NEW PROFILE TO MATCH EXISTING. SEE SPEC.

14 OVERCUT TO PROVIDE AREA FOR NEW WINDOW.

15 REMOVE AND REPLACE EXISTING SAWED SHAKE SIDING WHERE DAMAGED OR

16 REMOVE ALL EXISTING ROOF SHINGLES AND UNDERLAYMENT. AS REQUIRED.

17 REMOVE PORTION OF WALL FOR NEW EXHAUST VENT. REFER TO MEP

EXTERIOR MATERIALS LEGEND

STONE VENEER SAWED SIDING, PAINTED LOG SIDING - MEDOW VALLEY 2 X 6 X 16' SPRUCE SMOOTH TRIM/ PANEL ASPHALT SHINGLE ARCHITECTURAL SHINGLE

CONCRETE

DRAWN BY: CHECKED BY: DESIGNED BY: SHEET TITLE: CABIN #14 - EXTERIOR ELEVATIONS - NORTH

STATE OF MISSOURI

MIKE KEHOE,

GOVERNOR

11/20/2025

ROBERT WILSON WAGSTAFF - ARCHITECT

STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE

NO. 000639

PROFESSIONAL SEAL

1

5 a 14

OFFICE OF ADMINISTRATION

DIVISION OF FACILITIES MANAGEMENT,

DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL

RESOURCES DIVISION OF

STATE PARKS

PROJECT TITLE

RENOVATE CABINS 1-4, 14, & 19

SAM A. BAKER STATE PARK

SAM A. BAKER STATE PARK

5580 STATE HIGHWAY 143

PATTERSON, MO 63956

5218

7815218008

7815218007

7815218022

7815218005

7815218003

7815218019

PROJECT # X2319-01

DATE # REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE:

SITE#

ASSET#

CABIN #1:

CABIN #2:

CABIN #3:

CABIN #4:

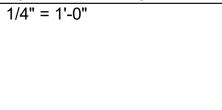
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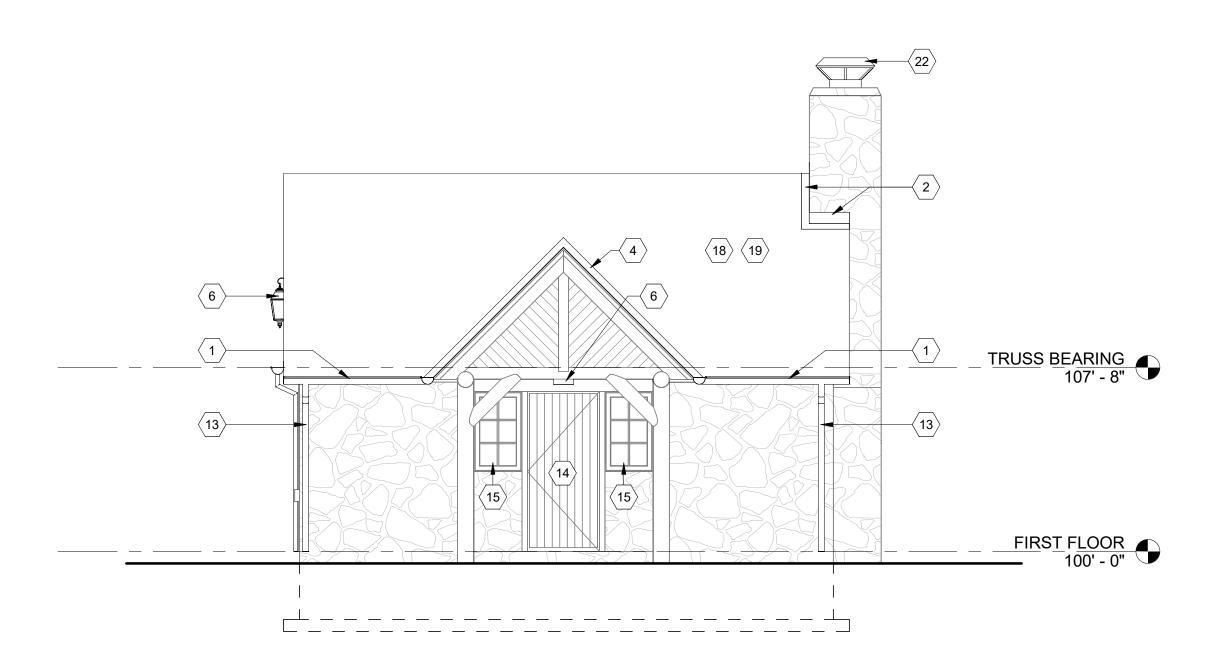
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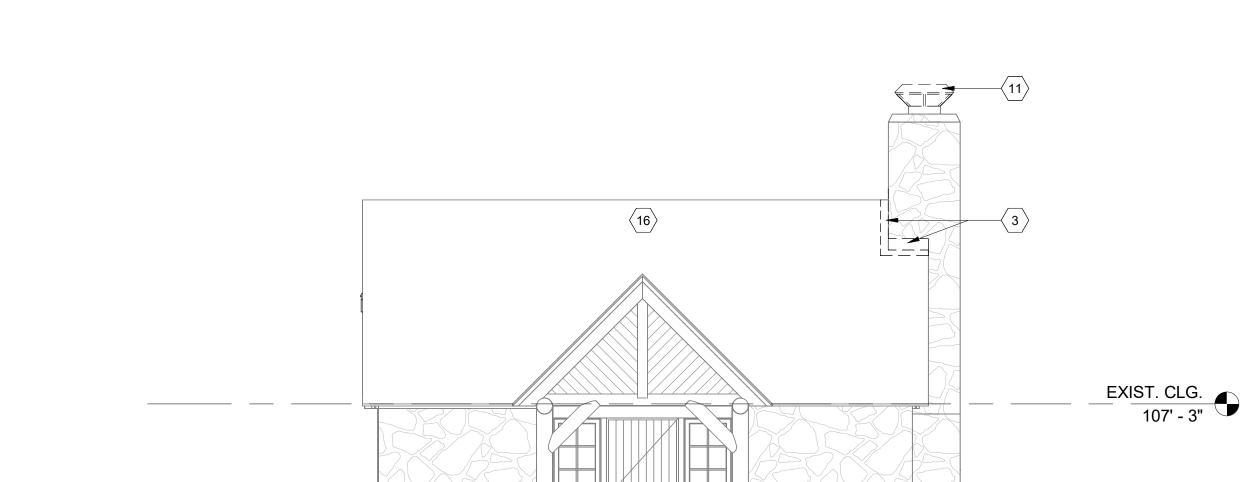
AND SOUTH

SHEET NUMBER:





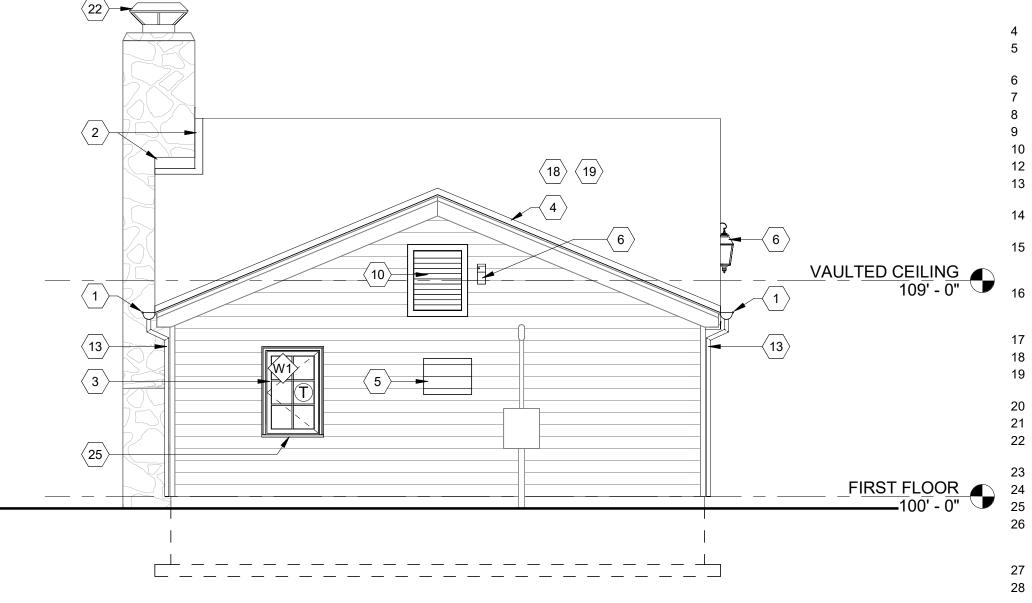


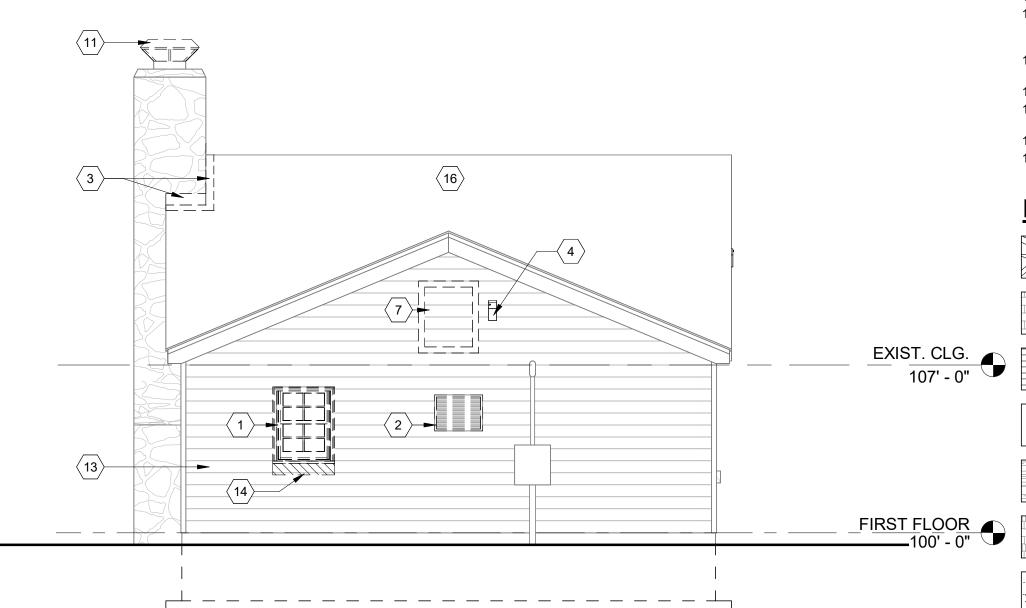




4 \ WEST ELEVATION

A-205B 1/4" = 1'-0"





EAST ELEVATION - DEMOLITION 1/4" = 1'-0"

FIRST FLOOR 100' - 0"

EAST ELEVATION

1/4" = 1'-0"

GENERAL NOTES - MASONRY RESTORATION * NOTE: ALL INTERIOR AND EXTERIOR LOCATIONS

1. RE-POINTING OF THE AREAS WHERE LOOSE OR DETERIORATING MORTAR WILL BE DONE BY CLEANING THE EXISTING JOINTS OF MORTAR TO A DEPTH OF AT LEAST 3/4" OR 2.5 TIMES THE WIDTH OF THE JOINT, WHICHEVER IS MORE. EXISTING MORTAR TO BE REMOVED BY HAND METHODS. THE NEW MORTAR SHALL MATCH EXISTING HISTORIC MORTAR IN COLOR, TEXTURE, COMPOSITION MIX, AND JOINT PROFILE. THE MASON IS TO ADJUST THE MORTAR MIX TO A "HARDNESS" NO GREATER THEN THE MASONRY UNITS TO FACILITATE MOVEMENT. THE MASON WILL PROVIDE A TEST PATCH ON THE WALL FOR THE PURPOSES OF EXAMINING THE MORTAR COLOR AND MIX WHICH WILL BE REVIEWED BY THE ARCHITECT AND HISTORIC CONSULTANT TO ENSURE A MATCH. MASONRY DISCOLORATION AND EXCESS MORTAR TO BE GENTLY REMOVED BY HOT WATER LOW POWER WASH (< 20-100 PSI) WITH A LIGHT DUTY ORGANIC SOLVENT CLEANER EQUIVALENT TO PROSOCO SUREKLEAN. REPAIR OR REPLACE ANY DAMAGED MASONRY, OR STONE UNITS WITH UNITS TO MATCH IN SIZE, SHAPE, COLOR, AND TEXTURE. STONE CLEANING SHOULD ADHERE TO NPS "PRESERVATION BRIEF 1: ASSESSING CLEANING AND WATER REPELLANT TREATMENTS FOR HISTORIC MASONRY

- NEW SHEET METAL FLASHING OVER ICE AND WATER SHEILD.

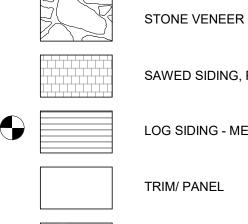
- 7 NEW CONCRETE STEPS

- 12 NEW VENT AT CRAWL SPACE PAINTED COMPOSITE.
- DRAINS, COORDINATE WITH CIVIL.
- 14 CLEAN AND RESTORE EXISTING DOORS WITH NEW HARDWARE. PATCH AND
- 15 TEMPERED SIDELITES. FIXED SASH. REUSE EXISTING TRUE DIVIDED LITE. REPAIR/REPLACE MUTINS AS REQUIRED USING EXAMPLE FROM EXISTING
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- 17 NEW AC UNIT, COORDINATE WITH MEP DRAWINGS.
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 - HARVESTED VERTICAL SIDING OR PROVIDE NEW TO MATCH EXISTING. BUTT
 - JOINT AS PREVIOUSLY INSTALLED. PRIME AND PAINT.
 - 27 NEW THRU-WALL EXHAUST VENT, REFER TO MEP DRAWINGS 28 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. CONNECT TO

STORMWATER PIPING, COORDINATE WITH CIVIL DRAWINGS. **KEYED NOTES - DEMOLITION ELEVATIONS**

- REMOVE WINDOW
- REMOVE EXISTING AC UNT
- REMOVE EXISTING METAL FLASHING, PREP FOR NEW WORK.
- 4 REMOVE EXISTING EXTERIOR LIGHT FIXTURE.
- 5 REMOVE STONE STEP. RETAIN FOR REUSE. 6 REMOVE DAMAGED WOOD LATTICE SECTIONS.
- 7 REMOVE EXISTING ATTIC VENT
- 8 REMOVE EXISTING GUTTER AND DOWNSPOUT 9 REMOVE EXISTING VENT.
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- 11 REMOVE EXISTING METAL CHIMNEY CAP
- 12 REMOVED DAMAGED VERTICAL SIDING. HARVEST EXISTING WOOD AND RETAIN
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- 16 REMOVE ALL EXISTING ROOF SHINGLES AND UNDERLAYMENT. AS REQUIRED.
- 17 REMOVE PORTION OF WALL FOR NEW EXHAUST VENT. REFER TO MEP

EXTERIOR MATERIALS LEGEND



SAWED SIDING, PAINTED

LOG SIDING - MEDOW VALLEY 2 X 6 X 16' SPRUCE SMOOTH

TRIM/ PANEL

ASPHALT SHINGLE

ARCHITECTURAL SHINGLE

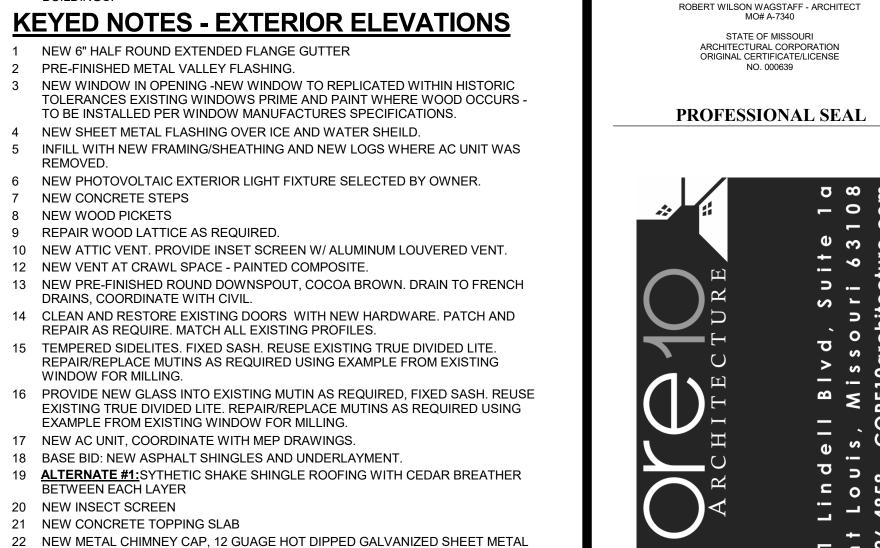
CONCRETE

SHEET TITLE: CABIN #14 - EXTERIOR

7815218019

SHEET NUMBER:

38 OF 52 SHEETS 11/20/25



MANAGEMENT, DESIGN AND CONSCTRUCTION

OFFICE OF ADMINISTRATION

DIVISION OF FACILITIES

5 a

STATE OF MISSOURI

MIKE KEHOE,

GOVERNOR

11/20/2025

DEPARTMENT OF NATURAL RESOURCES DIVISION OF **STATE PARKS**

PROJECT TITLE RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 SITE# 5218 ASSET# CABIN #1: 7815218008 CABIN #2: 7815218007 CABIN #3: 7815218022 CABIN #4: 7815218005 CABIN #14: 7815218003

DATE # REVISION

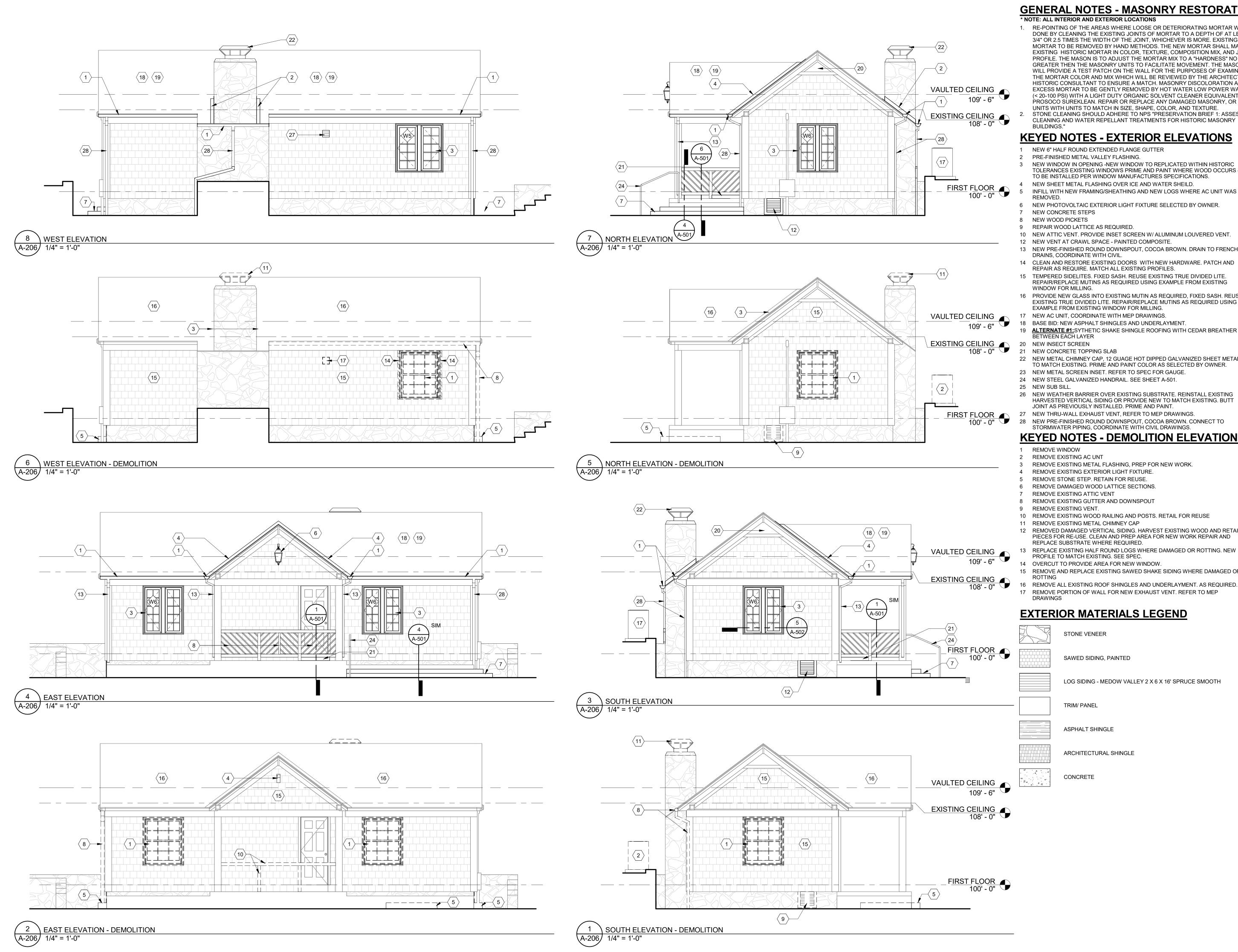
CABIN #19:

ISSUEDATE: 11/20/25

CAD DWG FILE:

DRAWN BY: CHECKED BY: DESIGNED BY:

ELEVATIONS - EAST AND WEST



GENERAL NOTES - MASONRY RESTORATION

1. RE-POINTING OF THE AREAS WHERE LOOSE OR DETERIORATING MORTAR WILL BE DONE BY CLEANING THE EXISTING JOINTS OF MORTAR TO A DEPTH OF AT LEAST 3/4" OR 2.5 TIMES THE WIDTH OF THE JOINT, WHICHEVER IS MORE. EXISTING MORTAR TO BE REMOVED BY HAND METHODS. THE NEW MORTAR SHALL MATCH EXISTING HISTORIC MORTAR IN COLOR, TEXTURE, COMPOSITION MIX, AND JOINT PROFILE. THE MASON IS TO ADJUST THE MORTAR MIX TO A "HARDNESS" NO WILL PROVIDE A TEST PATCH ON THE WALL FOR THE PURPOSES OF EXAMINING THE MORTAR COLOR AND MIX WHICH WILL BE REVIEWED BY THE ARCHITECT AND EXCESS MORTAR TO BE GENTLY REMOVED BY HOT WATER LOW POWER WASH

PROSOCO SUREKLEAN. REPAIR OR REPLACE ANY DAMAGED MASONRY, OR STONE UNITS WITH UNITS TO MATCH IN SIZE, SHAPE, COLOR, AND TEXTURE. STONE CLEANING SHOULD ADHERE TO NPS "PRESERVATION BRIEF 1: ASSESSING CLEANING AND WATER REPELLANT TREATMENTS FOR HISTORIC MASONRY

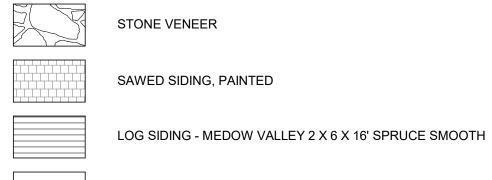
KEYED NOTES - EXTERIOR ELEVATIONS

- NEW 6" HALF ROUND EXTENDED FLANGE GUTTER
- PRE-FINISHED METAL VALLEY FLASHING.
- NEW WINDOW IN OPENING -NEW WINDOW TO REPLICATED WITHIN HISTORIC TOLERANCES EXISTING WINDOWS PRIME AND PAINT WHERE WOOD OCCURS -TO BE INSTALLED PER WINDOW MANUFACTURES SPECIFICATIONS.
- NEW SHEET METAL FLASHING OVER ICE AND WATER SHEILD. INFILL WITH NEW FRAMING/SHEATHING AND NEW LOGS WHERE AC UNIT WAS
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- 8 NEW WOOD PICKETS
- 9 REPAIR WOOD LATTICE AS REQUIRED.
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- DRAINS, COORDINATE WITH CIVIL. 14 CLEAN AND RESTORE EXISTING DOORS WITH NEW HARDWARE. PATCH AND
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- 17 NEW AC UNIT, COORDINATE WITH MEP DRAWINGS.
- 18 BASE BID: NEW ASPHALT SHINGLES AND UNDERLAYMENT. ALTERNATE #1: SYTHETIC SHAKE SHINGLE ROOFING WITH CEDAR BREATHER
- 21 NEW CONCRETE TOPPING SLAB
- 22 NEW METAL CHIMNEY CAP, 12 GUAGE HOT DIPPED GALVANIZED SHEET METAL
- TO MATCH EXISTING. PRIME AND PAINT COLOR AS SELECTED BY OWNER. 23 NEW METAL SCREEN INSET. REFER TO SPEC FOR GAUGE.
- 24 NEW STEEL GALVANIZED HANDRAIL. SEE SHEET A-501.
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- 28 NEW PRE-FINISHED ROUND DOWNSPOUT, COCOA BROWN. CONNECT TO STORMWATER PIPING, COORDINATE WITH CIVIL DRAWINGS.

KEYED NOTES - DEMOLITION ELEVATIONS

- REMOVE WINDOW
- REMOVE EXISTING AC UNT REMOVE EXISTING METAL FLASHING, PREP FOR NEW WORK.
- REMOVE EXISTING EXTERIOR LIGHT FIXTURE.
- REMOVE STONE STEP. RETAIN FOR REUSE.
- 6 REMOVE DAMAGED WOOD LATTICE SECTIONS.
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EXTERIOR MATERIALS LEGEND



ASPHALT SHINGLE

TRIM/ PANEL

ARCHITECTURAL SHINGLE

CONCRETE

ISSUEDATE: 11/20/25

SITE#

ASSET# CABIN #1:

CABIN #2:

CABIN #3:

CABIN #4:

CABIN #14:

CABIN #19:

CAD DWG FILE: DRAWN BY:

DESIGNED BY: SHEET TITLE:

CHECKED BY:

CABIN #19 - EXTERIOR **ELEVATIONS**

STATE OF MISSOURI

MIKE KEHOE, **GOVERNOR**

11/20/2025

ROBERT WILSON WAGSTAFF - ARCHITECT MO# A-7340

STATE OF MISSOURI

ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE

NO. 000639

PROFESSIONAL SEAL

1

501 aint 14.726

OFFICE OF ADMINISTRATION

DIVISION OF FACILITIES

MANAGEMENT,

DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL

RESOURCES DIVISION OF

STATE PARKS

PROJECT TITLE

RENOVATE CABINS 1-4, 14, & 19

SAM A. BAKER STATE PARK

SAM A. BAKER STATE PARK

5580 STATE HIGHWAY 143

PATTERSON, MO 63956

5218

7815218008

7815218007

7815218022

7815218005

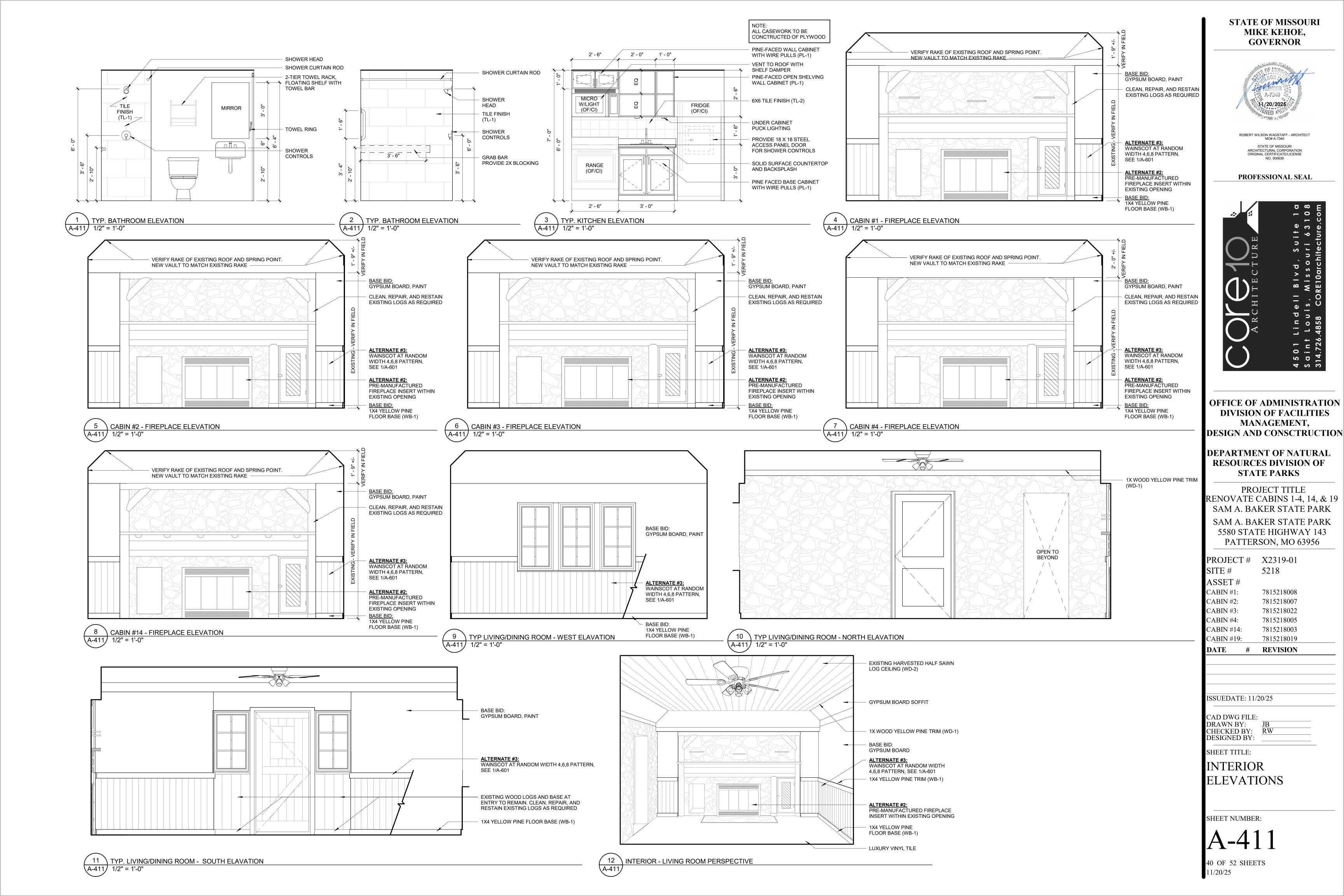
7815218003

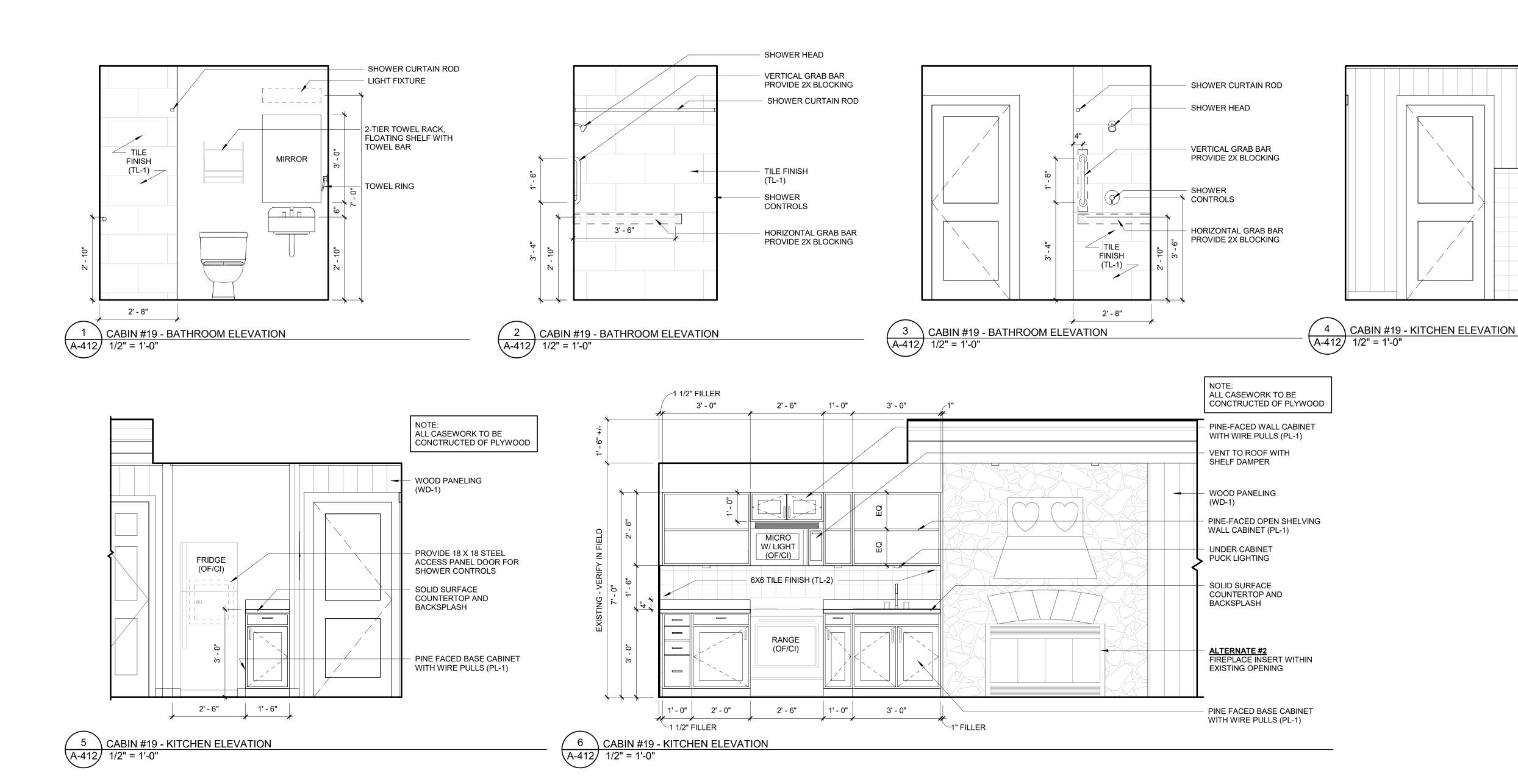
7815218019

PROJECT # X2319-01

DATE # REVISION

SHEET NUMBER:





STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**

WOOD PANELING (WD-1)

6X6 TILE FINISH (TL-2)

UNDER CABINET

PUCK LIGHTING



ROBERT WILSON WAGSTAFF - ARCHITECT MO# A-7340 STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE NO. 000639

PROFESSIONAL SEAL



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 SITE# 5218 ASSET# CABIN #1: 7815218008 CABIN #2: 7815218007 7815218022 CABIN #3: CABIN #4: 7815218005 7815218003 CABIN #14:

7815218019 DATE # REVISION

CABIN #19:

ISSUEDATE: 11/20/25

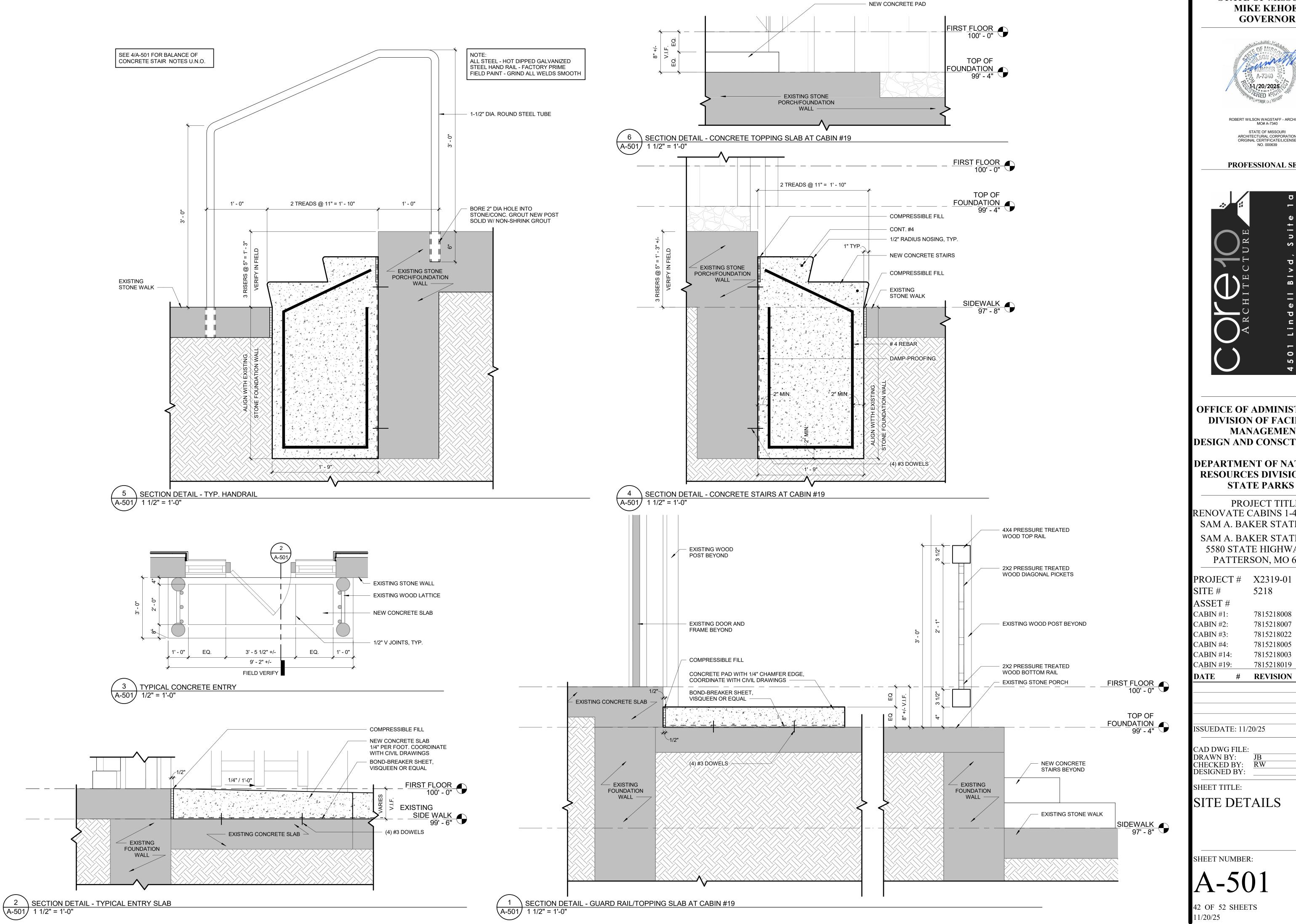
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DRAWN BY:
CHECKED BY:
DESIGNED BY:

SHEET TITLE:

INTERIOR **ELEVATIONS**

SHEET NUMBER:

A-412



STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



ROBERT WILSON WAGSTAFF - ARCHITECT MO# A-7340 STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE NO. 000639

PROFESSIONAL SEAL



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSCTRUCTION**

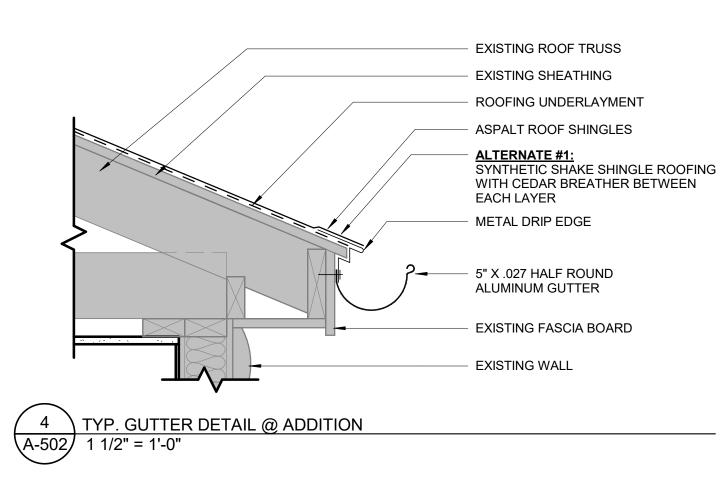
DEPARTMENT OF NATURAL RESOURCES DIVISION OF

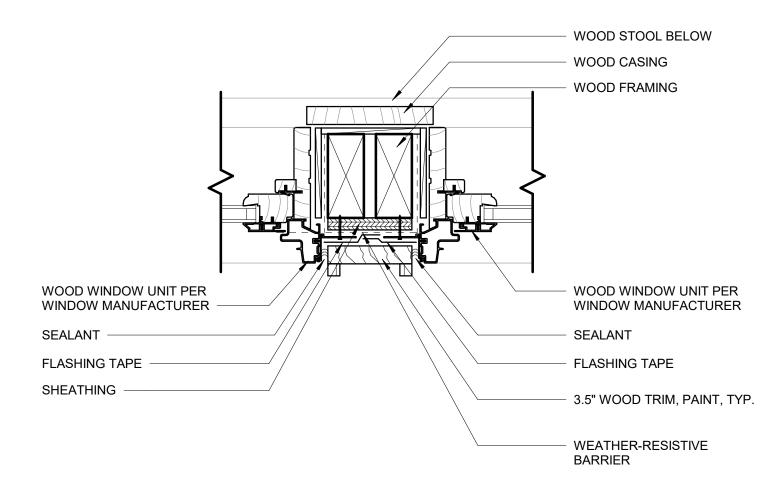
PROJECT TITLE RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 5218 7815218008 7815218007 7815218022 7815218005 7815218003 7815218019

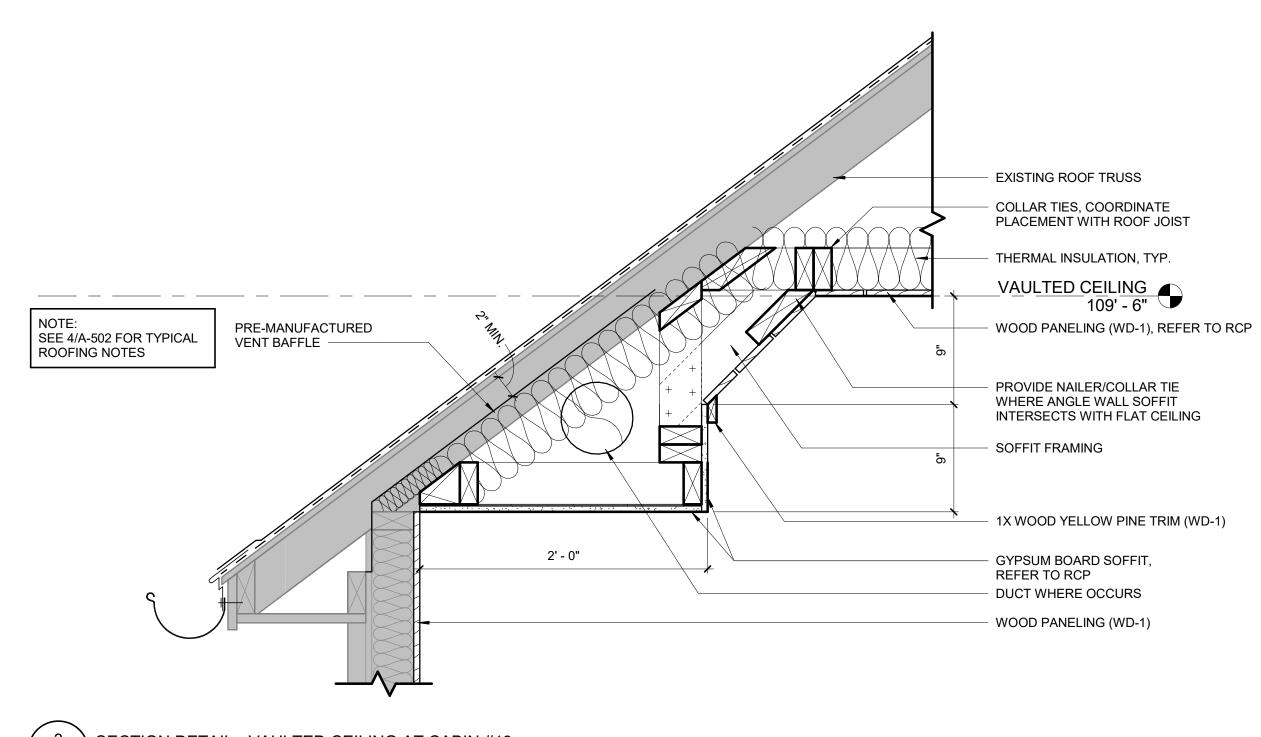
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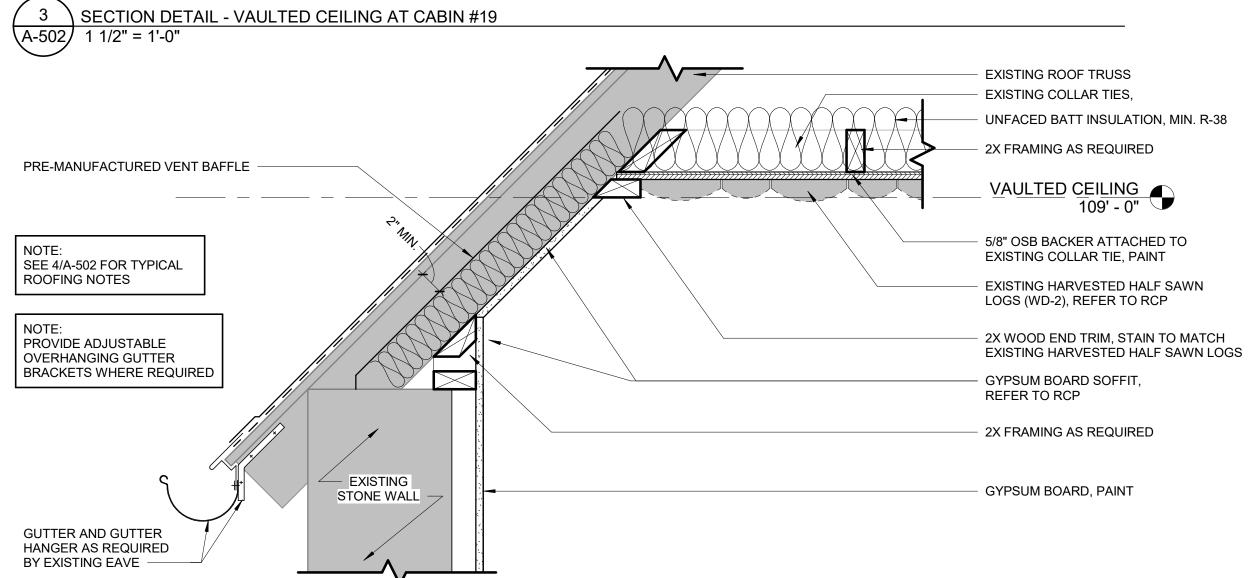
SITE DETAILS



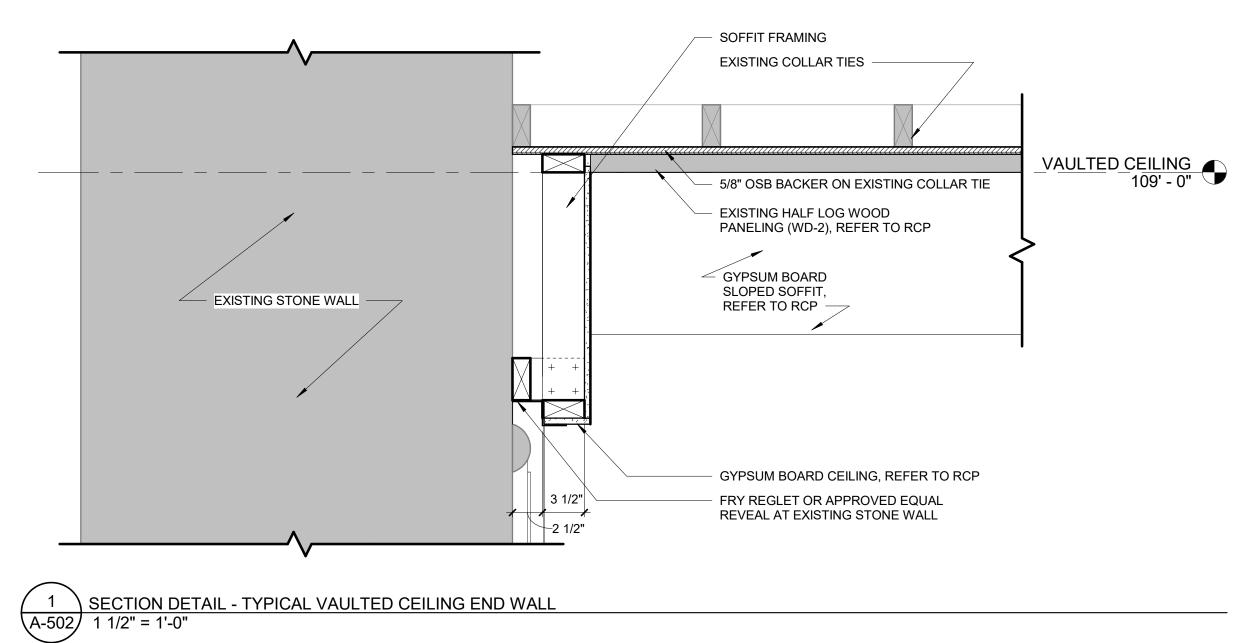


5 SECTION DETAIL - TYPICAL VERTICAL MULLION 3" = 1'-0"





2 SECTION DETAIL - TYP. VAULTED CEILING
A-502 1 1/2" = 1'-0"



STATE OF MISSOURI MIKE KEHOE, GOVERNOR



ROBERT WILSON WAGSTAFF - ARCHITECT MO# A-7340 STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE

PROFESSIONAL SEAL

NO. 000639



OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE
RENOVATE CABINS 1-4, 14, & 19
SAM A. BAKER STATE PARK
SAM A. BAKER STATE PARK
5580 STATE HIGHWAY 143
PATTERSON, MO 63956

PROJECT # X2319-01 5218 ASSET# CABIN #1: 7815218008 CABIN #2: 7815218007 7815218022 CABIN #3: CABIN #4: 7815218005 CABIN #14: 7815218003 CABIN #19: 7815218019 DATE # REVISION

ISSUEDATE: 11/20/25

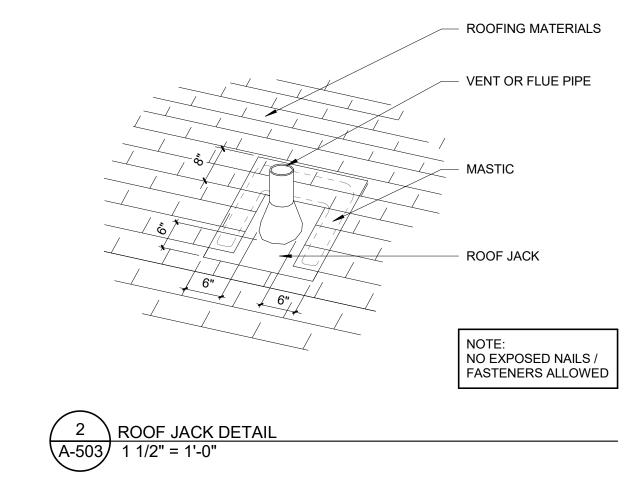
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DRAWN BY:
CHECKED BY:
DESIGNED BY:

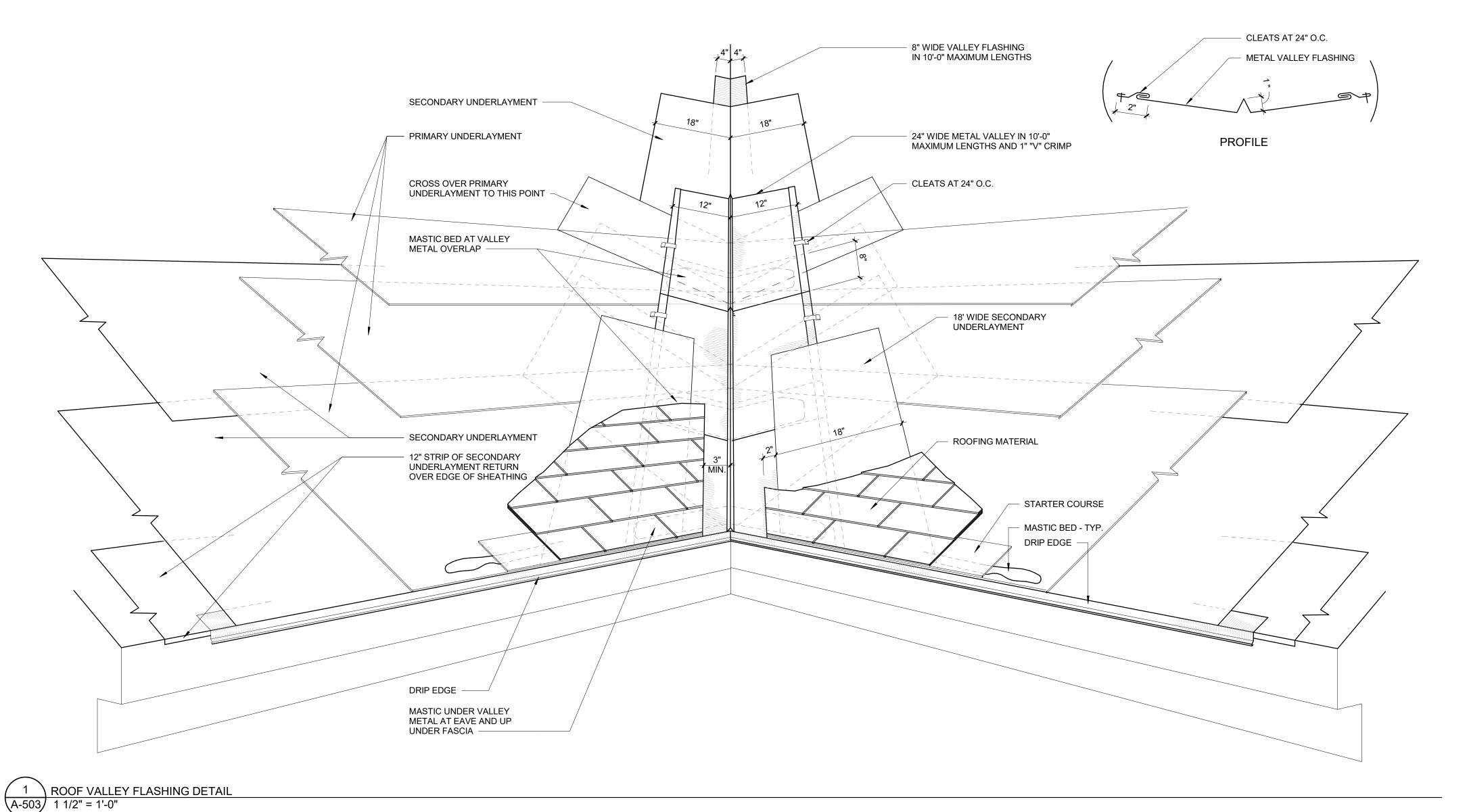
SHEET TITLE:

EXTERIOR DETAILS

SHEET NUMBER:

A-502





STATE OF MISSOURI MIKE KEHOE, GOVERNOR



ROBERT WILSON WAGSTAFF - ARCHITECT MO# A-7340 STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE NO. 000639

PROFESSIONAL SEAL



OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF

STATE PARKS

PROJECT TITLE
RENOVATE CABINS 1-4, 14, & 19
SAM A. BAKER STATE PARK
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PROJECT # X2319-01 SITE # 5218 ASSET # CABIN #1: 7815218008 CABIN #2: 7815218007 CABIN #3: 7815218022 CABIN #4: 7815218005

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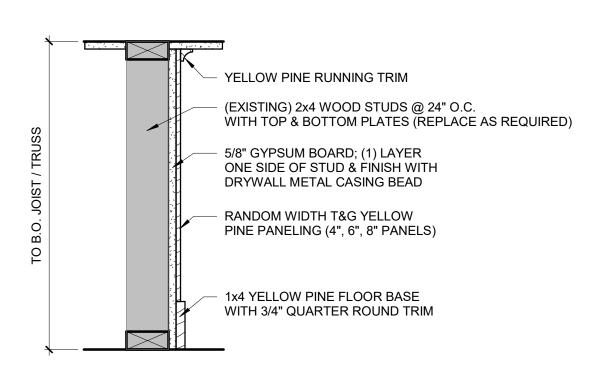
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DRAWN BY:
CHECKED BY:
DESIGNED BY:

SHEET TITLE:

EXTERIOR DETAILS

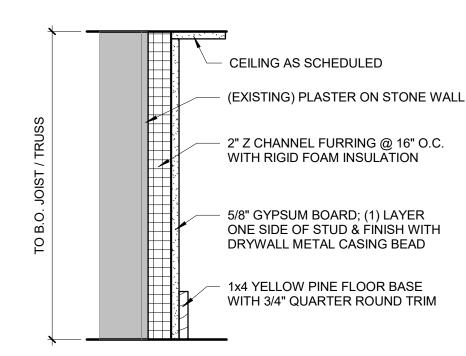
SHEET NUMBER:

A-503



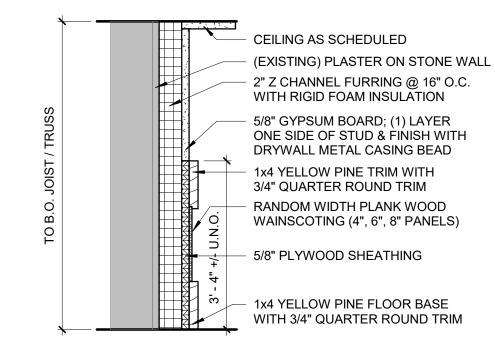
P1 - TYPICAL WALL

NOT RATED



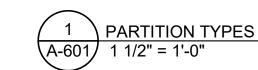
P2 - TYPICAL WALL

NOT RATED



P3 - ALTERNATE #3

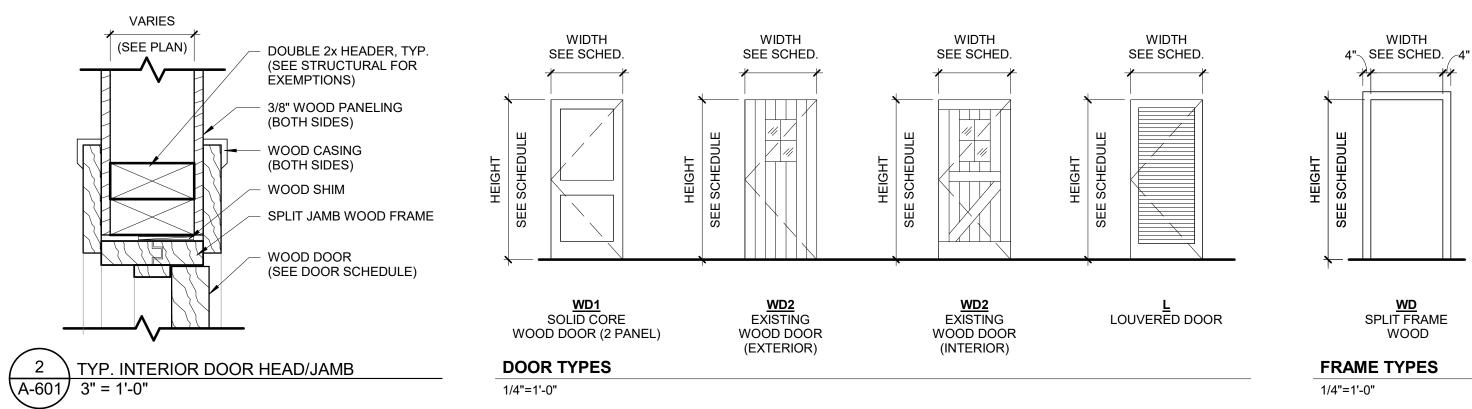
NOT RATED



PARTITION SCHEDULE NOTES:

- ALL PARTITIONS TYPE 'P1 TYPICAL WALL', UNLESS OTHERWISE NOTED ON FLOOR PLANS.
 PRESSURE-TREATED BOTTOM PLATES AT PARTITIONS IN DIRECT CONTACT WITH
- CONCRETE OR MASONRY. GYPSUM BOARD AT ALL WET LOCATIONS SHALL BE MOLD- AND MILDEW-RESISTANT.
- PROVIDE CEMENTITIOUS BACKER BOARD AT SHOWER AND TUB TILE WALLS. SEE 'REFLECTED CEILING PLANS' SHEETS FOR ADJACENT CEILING HEIGHTS.

DOOR SCHEDULE DOOR **FRAMES** SIZE PERIMETER DETAILS DOOR HEIGHT WIDTH **NOTES** NO. COUNT **TYPE** (DW) (DH) **THICKNESS TYPE FINISH** SILL HDW GROUP **REV JAMB** WD-1 1 3/4" WD-1 PNT 2/A-601 2/A-601 PNT WD-1 PNT WD-1 PNT 2' - 8" 1 3/4" 2/A-601 2/A-601 6' - 8"



			ROOM	FINISH SCH	FDIII F - CA	BINS #1-4 &	#11			
			IVOOIVI		LDOLL - CA		π 1 -			
Ċ.		WALL						CEILING		S
ON I			NORTH	NORTH EAST		SOUTH WEST				
ROOM	ROOM NAME	FLOOR FINISH	FINISH/COLOR	FINISH/COLOR	FINISH/COLOR	FINISH/COLOR	WALL BASE FINISH	FINISH	NOTES	REVIS
						•				,
IRST	FLOOR									
101	LIVING / DINING ROOM	LVT	PNT / STONE	PNT / STONE	PNT	PNT	WB-1	WD-2 / PNT		
102	BEDROOM	LVT	WD-1	WD-1	STONE	WD-1	WB-1	PNT		
103	BATHROOM	TL-2	PNT/ TL-1	PNT / TL-1	PNT/ TL-1	PNT / TL-1	TL	PNT		
104	KITCHEN	LVT	PNT	PNT	PNT	PNT	WB-1	PNT		

		RO	OM FINISH S	CHEDULE -	CABINS #19)			
Ö			W	ALL			CEILING		S
ON E			EAST	SOUTH	WEST				0
ROOM NAME	FLOOR FINISH	FINISH/COLOR	FINISH/COLOR	FINISH/COLOR	FINISH/COLOR	WALL BASE FINISH	FINISH	NOTES	REVIS
RST FLOOR									
101 LIVING / DINING ROOM	LVT	WD-1 / STONE	WD-1	WD-1	WD-1	WD-1	PNT/WD-1		
102 KITCHEN	LVT	WD-1 / TL-2	WD-1	WD-1	WD-1	WB-1	PNT		
	TL-2	TL-1	PNT / TL-1	PNT / TL-1	PNT / TL-1	TL-2	PNT		
104 BATHROOM	I L-Z	· - ·	1	1					

FINISH LEGEND								
ABBREVIATION	DESCRIPTION							
LVT	LUXURY VINYL TILE							
PNT	PAINT (EGGSHELL)							
STONE	EXISTING STONE							
TL-1	12 X 18 CERAMIC TILE							
TL-2	6X6 CERAMIC TILE							
WD-1	RANDOM WIDTH YELLOW PINE PANELING							
WD-2	EXISTING HARVESTED HALF SAWN LOGS							
WB-1	1X4 YELLOW PINE RUNNING TRIM							

STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**



ROBERT WILSON WAGSTAFF - ARCHITECT STATE OF MISSOURI ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE NO. 000639

PROFESSIONAL SEAL



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSCTRUCTION**

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 SITE # 5218 ASSET# CABIN #1: 7815218008 CABIN #2: 7815218007 CABIN #3: 7815218022 7815218005 CABIN #4: 7815218003 CABIN #14: CABIN #19: 7815218019

DATE # REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE: DRAWN BY: CHECKED BY: DESIGNED BY:

SHEET TITLE:

SCHEDULES AND PARTITION TYPES

SHEET NUMBER:

TEMPERED SAFETY GLAZING REQUIREMENTS FOR WINDOWS AND DOORS:

THE FOLLOWING LOCATIONS SHALL BE CONSIDERED A HAZARDOUS LOCATION REQUIRING TEMPERED SAFETY GLAZING:

- 1. GLAZING IN ALL FIXED AND OPERABLE PANELS OF SWINGING, SLIDING, AND BIFOLD DOORS . 2. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE OF THE GLAZING IS WITHIN A 24-INCH ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE WALKING SURFACE.
- 3. GLAZING IN GUARDS AND RAILINGS, INCLUDING STRUCTURAL BALUSTER PANELS, AND NON-STRUCTURAL INFILL PANELS, REGARDLESS OF AREA OR HEIGHT ABOVE A WALKING SURFACE . 4. GLAZING WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE
- PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAYS, LANDINGS BETWEEN FLIGHTS OF STAIRS. AND RAMPS .
- 5. GLAZING ADJACENT TO THE LANDING AT THE BOTTOM OF A STAIRWAY WHERE THE GLAZING IS LESS THAN 36" ABOVE THE LANDING AND WITHIN 60 INCHES HORIZONTALLY OF THE BOTTOM TREAD. 6. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL OF A WINDOW THAT MEETS ALL OF THE
- FOLLOWING CONDITIONS: A. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SF.
- B. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18" ABOVE THE FLOOR. C. THE TOP EDGE OF THE GLAZING IS GREATER THAN 36" ABOVE THE FLOOR.
- D. ONE OR MORE WALKING SURFACES ARE WITHIN 36 INCHES, MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE PLANE OF THE GLAZING.

EMERGENCY ESCAPE AND RESCUE OPENING OPERATIONAL REQUIREMENTS

SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS OR TOOLS. BARS, GRILLES, GRATES AND SIMILAR ARE PERMITTED TO BE PLACED OVER EMERGENCY ESCAPE AND RESCUE OPENINGS PROVIDED THE MINIMUM NET CLEAR OPENING SIZE COMPLIES WITH SECTION 1030.2 AND SUCH DEVICES SHALL BE RELEASABLE OR REMOVABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL OR FORCE GREATER THAN THAT WHICH IS REQUIRED FOR NORMAL OPERATION OF THE ESCAPE AND RESCUE OPENING.

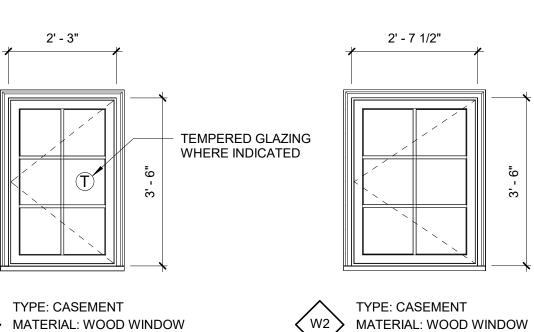
EMERGENCY ESCAPE AND RESCUE OPENING SIZE REQUIREMENTS

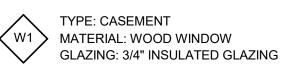
- WINDOWS & DOORS
 MIN. NET CLEAR OPENING OF 5.7 SF (5.0 SF AT GRADE-FLOOR OPENINGS). MIN. NET CLEAR OPENING HEIGHT DIMENSION OF 24 INCHES.
- MIN. NET CLEAR OPENING WIDTH DIMENSION OF 20 INCHES.
- MAX. 44 INCHES TO BOTTOM OF CLEAR OPENING FROM THE FLOOR.
- WINDOW WELLS MIN. 9 SF OF HORIZONTAL AREA.
- MIN. 36 INCH DIMENSION.

WINDOW TYPES

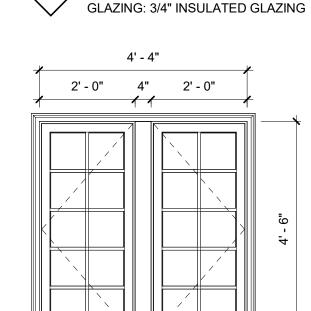
1/4" = 1'-0"

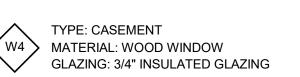
EQUIPPED WITH AN APPROVED PERMANENT LADDER OR STEPS WHERE VERTICAL DEPTH IS GREATER THAN 44 INCHES.





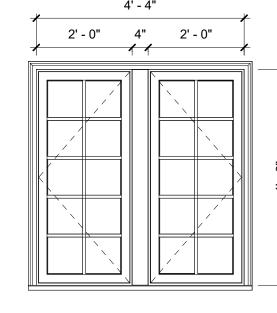
2' - 8"



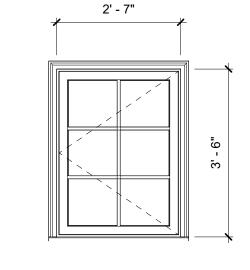


EMERGENCY ESCAPE

OPENING REQD.

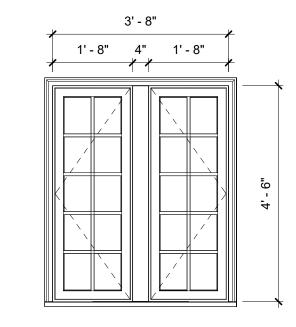


TYPE: CASEMENT W5 MATERIAL: WOOD WINDOW GLAZING: 3/4" INSULATED GLAZING



TYPE: CASEMENT √ W3

MATERIAL: WOOD WINDOW GLAZING: 3/4" INSULATED GLAZING



TYPE: CASEMENT √ W6
→ MATERIAL: WOOD WINDOW GLAZING: 3/4" INSULATED GLAZING

> **OFFICE OF ADMINISTRATION** DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSCTRUCTION

STATE OF MISSOURI

MIKE KEHOE,

GOVERNOR

11/20/2025

ROBERT WILSON WAGSTAFF - ARCHITECT MO# A-7340

STATE OF MISSOURI

ARCHITECTURAL CORPORATION ORIGINAL CERTIFICATE/LICENSE

NO. 000639

PROFESSIONAL SEAL

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # SITE #	X2319-01 5218
ASSET #	3218
CABIN #1:	7815218008
CABIN #2:	7815218007
CABIN #3:	7815218022
CABIN #4:	7815218005
CABIN #14:	7815218003
CABIN #19:	7815218019
DATE #	REVISION

ISSUEDATE: 11/20/25 CAD DWG FILE: DRAWN BY:

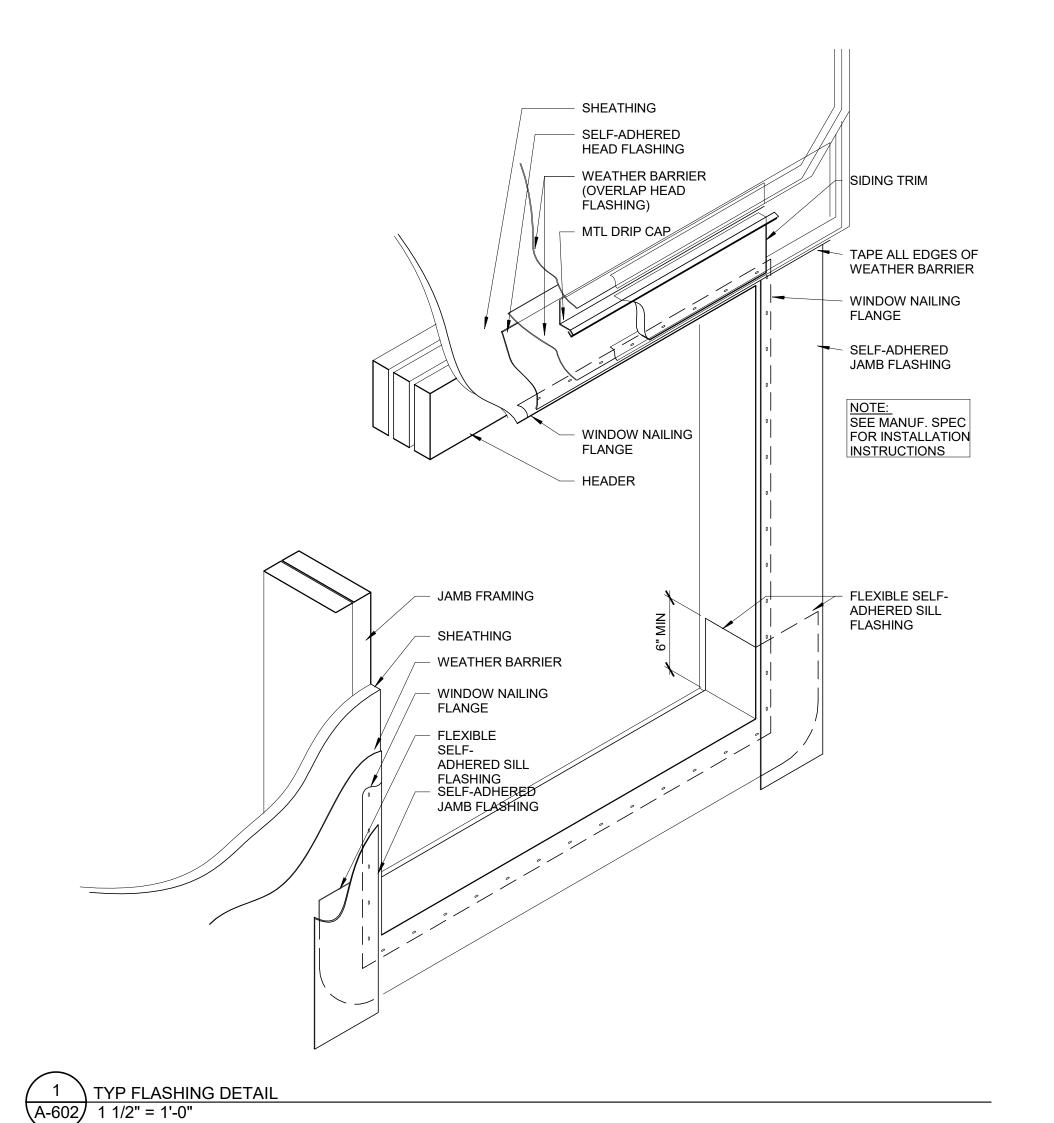
CHECKED BY: DESIGNED BY: SHEET TITLE:

WINDOW SCHEDULE

SHEET NUMBER:

46 OF 52 SHEETS

11/20/25



	PLUMBING SYMBOLS LEGEND								
— G —	GAS PIPING								
— CD —	CONDENSATE DRAIN PIPING								
	COLD WATER PIPING								
	HOT WATER PIPING (140°)								
	HOT WATER RECIRCULATING PIPING								
-SAN-	SANITARY WASTE PIPING								
—FW—	FILTERED WATER PIPING								
—140° —	140° WATER PIPING								
— GW—	GREASE WASTE PIPING								
	SANITARY VENT PIPING								
VTR	VENT THROUGH ROOF								
	PLUMBING TRAP								
——	PIPE TURNING DOWN								
	PIPE TURNING UP								
7	CHECK VALVE								
─ └	UNION								
AFF	ABOVE FINISHED FLOOR								
СО	CLEAN OUT								
	PRESSURE REGULATING VALVE (PRV) (50 PSI)								
-	BALL VALVE								
Ø	BALANCE VALVE								
EWF	ELECTRIC WATER FOUNTAIN								
GCO	GRADE CLEAN OUT								
仓	CIRCUIT SETTER BALANCE VALVE								
•	POINT OF CONNECTION								
\$ \$	BELOW FLOOR								
\Diamond	ABOVE CEILING								
— PD —	PUMP DISCHARGE								

TABLE TO CALC	CULATE WATER	R FIXTURE UI	NITS (PER CABIN)					
PLUMBING FIXTURE	WATER FIXTURE UNITS	WATER FIXTURE UNITS NUMBER OF FIXTURES TOTAL D						
WATER CLOSET	3	1	3					
LAVATORIES	1	1	1					
SINK	2	1	2					
SHOWER	2	1	2					
TOTAL WATER FIXTURE UNITS 8								
SUPPLY PIPE SIZE = 2"								

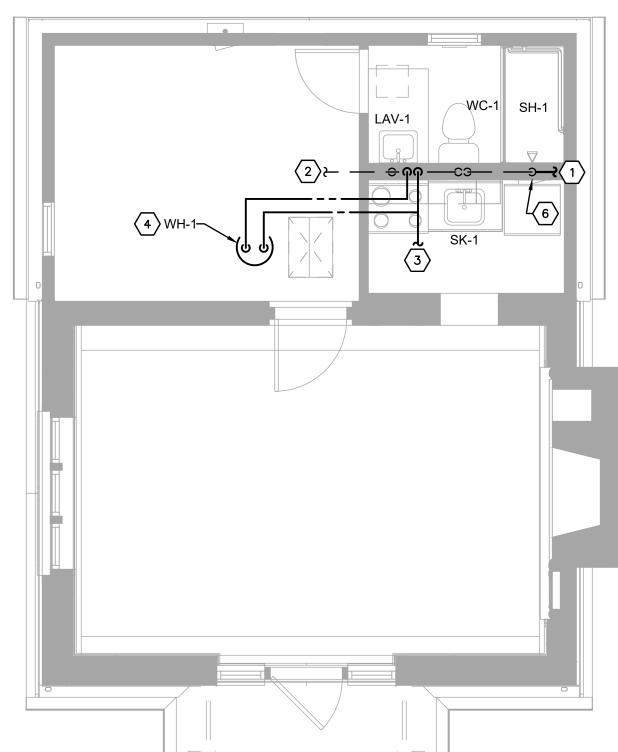
TABLE TO CALCULATE DRAINAGE FIXTURE UNITS							
(PER CABIN)							
PLUMBING FIXTURE	DRAINAGE FIXTURE UNITS	TOTAL DRAINAGE FIXTURE UNITS					
WATER CLOSET	3	1	3				
LAVATORIES	1	1	1				
SINK	2	1	2				
SHOWER	2	1	2				
TOTAL DRAINAGE UNITS 8							
	4"						

EXISTING SANITARY SEWER CONDITIONS NOTE:

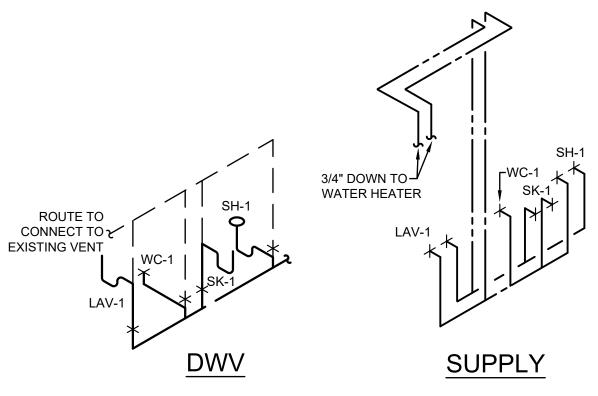
SANITARY SEWER PIPING SHOWN ON DRAWINGS IS DIAGRAMMATIC AND MAY DIFFER SLIGHTLY FROM ACTUAL FIELD CONDITIONS. PLUMBING CONTRACTOR (PC) SHALL COORDINATE WITH EXISTING FIELD CONDITIONS VIA A SANITARY VIDEO SURVEY/SCOPE TO DETERMINE THE EXACT SIZE, LOCATION, INVERT ELEVATIONS AT THE PROPOSED CONNECTIONS TO EXISTING PLUMBING SERVICES PRIOR TO BID/CONSTRUCTION. IF ACTUAL FIELD FINDINGS VARY SIGNIFICANTLY FROM THOSE AS INDICATED ON PLANS, PC SHALL NOTIFY GENERAL CONTRACTOR (GC) IMMEDIATELY PRIOR TO STARTING ANY WORK. THE OWNER SHALL NOT BE RESPONSIBLE FOR ADDITIONAL COSTS INCURRED BY FAILED COORDINATION AFTER CONSTRUCTION HAS BEGUN. PC SHALL BE RESPONSIBLE FOR UTILIZING A REPUTABLE UTILITY LOCATING SERVICE PRIOR TO ANY EXCAVATION.

EXISTING WATER SERVICE CONDITIONS NOTE:

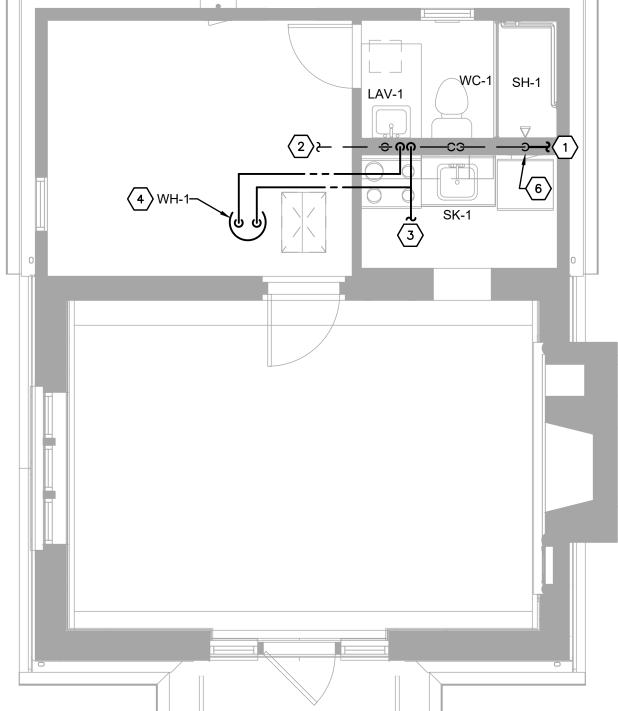
WATER PRESSURE IS SHOWN AS DIAGRAMMATIC ONLY. CONTRACTOR SHALL VERIFY EXISTING WATER PRESSURE IN FIELD PRIOR TO ANY WORK AND PIPING ROUGH IN. IF DISCOVERED ON SITE THAT EXISTING WATER PRESSURE IS LESS THAN 60 PSI, CONTACT ENGINEER IMMEDIATELY FOR PIPING DESIGN CHANGES. IF PRESSURE IS GREATER THAN 80 PSI PROVIDE PRESSURE REDUCING VALVE AND REDUCE DOWN TO 77 PSI.

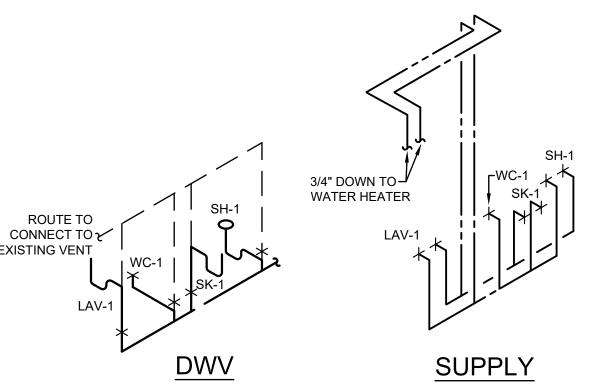


1 PLUMBING PLAN - CABINS 1, 2, 3, 4, 14 SCALE: 1/4" = 1'-0"



3 PLUMBING RISERS - CABINS 1, 2, 3, 4, 14 SCALE: 1/4" = 1'-0"





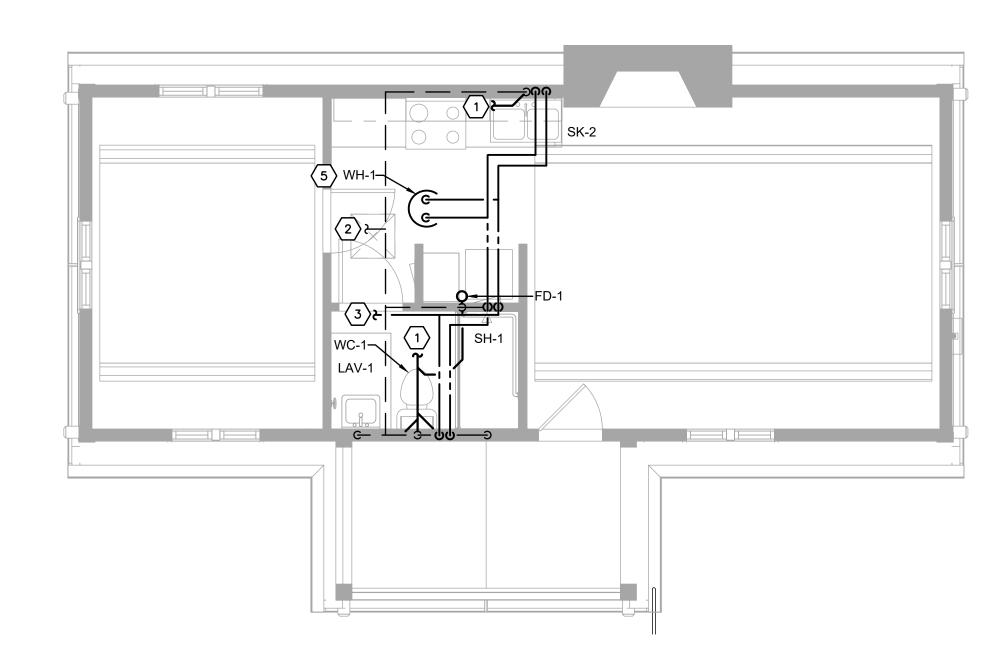
PLUMBING NOTE:

PROVIDE BRASS FITTINGS ON ALL SANITARY PIPING CONNECTIONS.

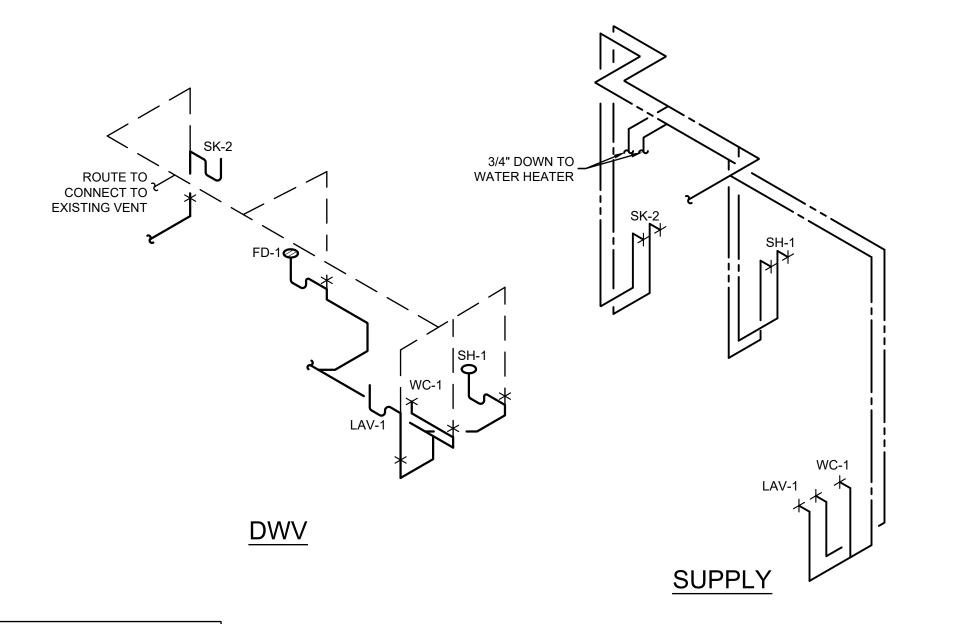
POP OFF VALVES TO BE COPPER AND NOT PEX.

UTILITY NOTE

GC TO COORDINATE EXACT UTILITY TIE IN LOCATIONS IN FIELD PRIOR TO WORK. CABINS 1 2, 3, 4, AND 14 SHARE IDENTICAL FLOOR LAYOUTS BUT UTILITY LOCATIONS MAY VARY IN



2 PLUMBING PLAN - CABIN 19 SCALE: 1/4" = 1'-0"



4 PLUMBING RISERS - CABIN 19
SCALE: 1/4" = 1'-0"

PLUMBING KEYED NOTES

- (1) ROUTE TO CONNECT TO EXISTING SANITARY PIPING IN SPACE. VERIFY EXACT SIZE, LOCATION, FLOW DIRECTION, AND INVERT ELEVATION IN FIELD PRIOR TO WORK.
- 2 ROUTE TO CONNECT TO EXISTING VENT THROUGH ROOF FOR SPACE. IF NONE IS EXISTING OR NEW IS REQUIRED, PROVIDE NEW 3" VENT THROUGH ROOF FOR SPACE. MAINTAIN AT LEAST 10' FROM ALL OUTSIDE AIR INTAKES.
- ROUTE TO CONNECT TO EXISTING SUPPLY PIPING FOR SPACE. VERIFY EXACT SIZE, LOCATION, AND DELIVERY PRESSURE IN FIELD PRIOR TO WORK.
- 4 ROUTE WATER HEATER T&P RELIEF VALVE TO SAFETY PAN. SAFETY PAN TO BE ROUTED WITH CODE APPROVED INDIRECT CONNECTION OUTSIDE OF BUILDING. COORDINATE EXACT LOCATION IN FIELD PRIOR TO WORK.
- 5 ROUTE WATER HEATER T&P RELIEF VALVE INDIRECTLY TO FLOOR DRAIN WITH CODE APPROVED AIR GAP.
- (6) PROVIDE 18" X 18" ACCESS PANEL, BALL VALVE, AND AIR CHUCK FOR SHOWER CONTROL VALVES.COORDINATE EXACT LOCATION AND INSTALLATION IN FIELD PRIOR TO WORK.

STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**







OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF **STATE PARKS**

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 SITE# 5218 ASSET # CABIN #1: 7815218008 CABIN #2: 7815218007 7815218022 CABIN #3: CABIN #4: 7815218005 7815218003 CABIN #14:

CABIN #19: 7815218019 DATE # REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE: DRAWN BY: CHECKED BY: DESIGNED BY:

SHEET TITLE:

PLUMBING PLANS

SHEET NUMBER:

47OF 54 SHEETS 11/20/25



PLUMBING FIXTURE SCHEDULE

PLUMBING SPECIFICATIONS

HE "ARCHITECTURAL GENERAL CONDITIONS" GOVERN WORK UNDER THIS

BEFORE SUBMITTING A PROPOSAL, THIS CONTRACTOR SHALL VISIT THE SITE OF THE WORK AND SHALL CAREFULLY EXAMINE THE DRAWINGS ANI SPECIFICATIONS IT IS EXPRESSLY LINDERSTOOD THAT THIS PROPOSAL IS BASED. PIPE IS LAID, THE SPACE BETWEEN BOTTOM PIPE AND ROCK SURFACE SHALL BE ON THE ABOVE REQUIREMENTS AND THAT IT COVERS EVERYTHING NECESSARY

2. INSPECTION AND COOPERATION PROUTOR, AS IM D- 096. ALL OTHER EAGAVA COMPACTED TO 95% STANDARD PROCTOR. WITHOUT PRIOR WRITTEN APPROVAL OF ARCHITECT OR ENGINEER. THIS CONTRACTOR SHALL COOPERATE WITH THE OTHER CONTRACTORS TO ALLOW FOR THE INSTALLATION OF THEIR WORK AS WELL AS HIS OWN.

THIS CONTRACTOR SHALL BE RESPONSIBLE FOR HIS WORK FITTING IN PLACE AVOID INTERFERENCE

CONFLICT WITH ANY CITY OR PROVINCIAL LAW, REGULATION, CODE, ORDINANCE, OR SAGS TO THE PIPING SYSTEMS THAT OCCUR FROM THE IMPROPER RULING, OR FIRE UNDERWRITER'S REQUIREMENT APPLICABLE TO THIS CLASS OF SHOULD THE DRAWINGS AND/OR SPECIFICATIONS CONFLICT WITH SUCH LAWS

OR ORDINANCES, THE CONFLICTING PORTION OF THE WORK SHALL BE INSTALLED. ANY STRUCTURAL STEEL MEMBERS REQUIRED TO ADAPT THE FOLIPMENT AND STRICTLY IN ACCORDANCE WITH SUCH LAWS AND ORDINANCES WITHOUT EXTRA PIPING AS FURNISHED BY THIS CONTRACTOR. TO THE BUILDING STEEL OR

NSPECTIONS REQUIRED FOR THIS INSTALLATION OF HIS WORK

4. ACCURACY OF DATA
THE INFORMATION GIVEN HEREIN AND ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED BUT ITS EXTREME ACCURACY IS NOT GUARANTEED. THIS DISTANCES, ELEVATIONS AND EXISTING PIPE SIZES BEFORE STARTING THE WORK ALL OF THIS CONTRACTOR'S WORK, EXCEPT WHERE NOTED OTHERWISE AS ALL PIPING SYSTEMS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC ONLY. THIS CONTRACTOR SHALL PROVIDE ALL NECESSARY OFFSETS, RAISED AND

MECHANICAL DRAWINGS SHALL NOT BE USED FOR GENERAL CONSTRUCTION ALL PATCHING SHALL BE NEATLY FINISHED TO THE SATISFACTION OF THE DIMENSIONS OR FOR TYPE OF MATERIAL USED. FOR EXACT BUILDING LAYOUT, MENSIONS AND BUILDING MATERIAL USED, THIS CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS.

5. <u>SHOP DRAWINGS</u>
SHOP OR INSTALLATION DRAWINGS. FOUNDATION PLANS. EQUIPMENT OR APPARATUS DRAWINGS SHALL BE FURNISHED BY THIS CONTRACTOR. THESE AWINGS SHALL BE CLEARLY MARKED INDICATING WHICH ITEMS ARE TO B SUPPLIED AND SHALL STATE CAPACITIES SIZES AND GENERAL DESCRIPTION OF ALL EQUIPMENT. ANY CHANGES FROM THE SPECIFIED ITEMS SHALL BE NOTED ON ALL PANELS SHALL BE MILCOR, STYLE "M" FOR MASONRY, "A" FOR ACOUSTICAL

SHOP DRAWINGS OF SPECIAL APPARATUS OR EQUIPMENT WHICH IS TO BE ABRICATED INDIVIDUALLY FOR THIS PROJECT AND IS NOT DESCRIBED BY STANDARD MANUFACTURER'S DRAWINGS OR BULLETINS SHALL BE SUBMITTED FOR PROCESSING BEFORE FABRICATION

THESE DRAWINGS SHALL BE SUBMITTED IN A TIMELY MANNER.

IT SHALL BE THIS CONTRACTORS RESPONSIBILITY TO MAINTAIN LIAISON WITH ALL PARTIES CONCERNED WITH THE MATERIAL SUBMITTED. THIS CONTRACTOR SHALL NOT PURCHASE ANY EQUIPMENT UNTIL SHOP DRAWINGS HAVE BEEN ROCESSED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FEES ACCRUED FROM THE RETURN OF FIXTURES PURCHASED PRIOR TO THE REVIEW OF SHOP DRAWINGS AND THAT ARE NOT APPROVED.

THIS CONTRACTOR SHALL SUBMIT NO DRAWINGS WITHOUT NOTATION INDICATING DATE OF CONTRACTOR'S REVIEW AND SIGNATURE OF CHECK FOR CONTRACTOR TOGETHER WITH CONTRACTOR'S NAME AND PROJECT

ARCHITECT'S PROCESSING WILL NOT CONSTITUTE A COMPLETE CHECK BUT WILL INDICATE ONLY THAT GENERAL METHOD OF CONSTRUCTION AND DETAILING IS

ARCHITECT'S PROCESSING WILL NOT RELIEVE THE CONTRACTOR OF FOR DIMENSIONS AND DESIGNS OF ADEQUATE CONNECTIONS, DETAILS AND SATISFACTORY CONSTRUCTION OF ALL WORK, AS WELL AS FURNISHING MATERIALS AND WORKMANSHIP REQUIRED BY DRAWINGS AND SPECIFICATIONS WHICH MAY NOT BE INDICATED ON THE SUBMITTALS WHEN APPROVED.

REVIEW DO NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. REVIEW OF A SPECIFIC ITEM SHALL NOT INCLUDE REVIEW OF AN ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. THE CONTRACTOR IS RESPONSIBLE FOR: EQUIPMENT VOLTAGES AND DIMENSIONS TO BE CONFIRMED AND CORRELATED WITH ALL DISCIPLINES PRIOR TO PURCHASE: INFORMATION THAT PERTAINS SOLELY TO THE FABRICATION PROCESSES OR TO THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION; COORDINATION OF THE

6. <u>SUBSTITUTIONS OF EQUIPMENT OR MATERIAL</u>

AND SATISFACTORY MANNER.

THE BRAND NAMES OF EQUIPMENT OR MATERIALS SPECIFIED HEREIN SHALI ESTABLISH QUALITY, CAPACITY, TYPE AND DIMENSIONS TO BE INCLUDED IN THE THE CONTROLLED FLEXING TYPE.

APPROVAL OF SUBSTITUTED ITEMS WILL BE BASED ON ABILITY AND CAPACITY TO PERFORM FUNCTION SERVED, QUALITY AND AVAILABILITY OF PARTS AND ERVICE, QUALITY OF EQUIPMENT, DELIVERY SCHEDULE, ETC. THE ARCHITECT SHALL REVIEW ALL SUCH REQUESTS BUT RESERVES THE SOLE RIGHT OF JUDGEMENT TO APPROVE OR REJECT THE PROPOSED SUBSTITUTIONS.

ACCEPTANCE OR REJECTION OF PROPOSED SUBSTITUTIONS SHALL NOT CAUSE ADDITIONAL COST. ANY CHANGES OF PIPING, DUCTWORK, ELECTRICAL CONTROLS OR INSTALLATION REQUIRED BECAUSE OF THE SUBSTITUTION OR EQUIPMENT SHALL BE PAID FOR BY THIS CONTRACTOR PROPOSING THE

7. <u>ERECTION OF APPARATUS</u>

ALL WORK SHALL BE DONE UNDER THE PERSONAL SUPERVISION OF THIS CONTRACTOR WHO SHALL PROVIDE A COMPETENT FOREMAN TO LAY OUT ALL WORK. ALL WORK SHALL BE LAID OUT WITH DUE REGARD FOR THE SPACE REQUIREMENTS OF THE OTHER CONTRACTORS. THIS CONTRACTOR SHA REPORT ANY CONFLICTS OR DIFFICULTIES IN REGARD TO THE INSTALLATION

CONFLICT BETWEEN TRADES, THIS CONTRACTOR SHALL MAKE COMPOSITE WINGS SHOWING THE EXACT LOCATIONS OF PIPES, DUCT, CONDUIT AND FOUIPMENT DRAWINGS SHALL BE BASED ON FIFLD MEASUREMENTS AND AFTER CONSULTATION AND AGREEMENT BETWEEN THE TRADES, SHALL BE APPROVED BY ARCHITECT AND ENGINEER BEFORE INSTALLATION OF THE WORK. EQUIPMENT OF A TYPE TO REQUIRE REPLACEMENT, SERVICING, ADJUSTING OR MAINTENANCE SHALL BE LOCATED TO ALLOW EASY ACCESS AND SPACE FOR

WHERE CROWDED LOCATIONS EXIST OR WHERE THERE IS A POSSIBILITY OF

8. EXCAVATION AND BACKFILL

REMOVAL OF INTERNAL ASSEMBLIES, IT REQUIRED.

THIS CONTRACTOR SHALL DO ALL EXCAVATION REQUIRED TO INSTALL PIPES AND EQUIPMENT SHOWN ON THE PLANS OR REQUIRED FOR PROPER OPERATION. XCESS EXCAVATION BELOW THE REQUIRED LEVEL SHALL BE BACKFILLED WITH EARTH AND THOROUGHLY TAMPED. UTILITIES SERVICES LINES SHALL BE INSPECTED AND APPROVED BY THE PROPER INSPECTION AUTHORITY BEFORE

INSTALL PLASTIC PIPE AND FITTINGS IN STRICT ACCORDANCE WITH THE INSTALLATION RECOMMENDATIONS OF THE PIPE AND FITTINGS MANUFACTURER, APPENDIX X1 OF ASTM D2265 (STORAGE AND INSTALL ATION PROCEDURES FOR PLASTIC DRAIN, WASTE, AND VENT PIPING) AND FOR BURIED PIPE ASTM D2321 STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS) SUCH INSTRUCTIONS SHALL INCLUDE BUT ARE NOT LIMITED TO CUTTING, SOLVENT CEMENTING AND PRIMING, JOINTS, CONNECTIONS, TRANSITIONS, ALIGNMENT AND HOSE END VALVES SHALL BE #438 GATE VALVES WITH HOSE END NIPPLES. GRADE, TRENCHING, BEDDING, BACKFILL AND COMPACTION, SUPPORTS AND SPACING AND ALLOWANCE FOR THERMAL EXPANSION.

CAST IRON PIPING TRENCHING SHALL BE IN ACCORDANCE TO THE CAST IRON SOIL PIPE AND FITTINGS HANDBOOK ISSUED BY THE CAST IRON SOIL PIPE

THE BOTTOM OF TRENCHES SHALL BE TAMPED HARD AN GRADED TO SECURE THE REQUIRED FALL. ROCK, WHERE ENCOUNTERED SHALL BE EXCAVATED TO A DEPTH OF SIX INCHES (6") BELOW THE BOTTOM OF THE PIPE. AND BEFORE TH FILLED WITH GRAVEL. IF TRENCHES ARE DEEPER THAN BOTTOM OF FLOORING OR CLOSER THAN THREE FEET (3'0") TO FOOTING THEY MUST BE FILLED WITH COHESIVE SOIL AND COMPACTED TO 95% OF MAXIMUM DENSITY STANDARD PROCTOR, ASTM D- 698, ALL OTHER EXCAVATIONS UNDER FLOOR SLABS

WHEN EXCESS DIRT HAS BEEN REMOVED, THE TRENCH SHALL BE BROUGHT TO

TRENCHES AND EXCAVATION SHALL BE BACKFILLED IN 6" LAYERS OF EARTH WITHOUT CONFLICT WITH THE OTHER TRADES, WHERE PROPER PLANNING COULD FREE FROM CLODS, AND STONES THOROUGHLY TAMPED TO A DEPTH OF 12"

ABOVE THE PIPE. AFTER THAT DEPTH HAS BEEN REACHED, BACKFILLING SHALL BE DONE IN 12" LAYERS, THOROUGHLY TAMPED. NOTHING IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE INTERPRETED TO THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO ANY DAMAGES

EQUIPMENT SUPPORTS

STRUCTURE, SHALL BE INCLUDED IN THE BID OF THE CONTRACTOR FURNISHING THE FOUIPMENT OR PIPING HANGING OF ALL FOUIPMENT AND REQUIRED THIS CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY PERMITS AND SUPPORTING STEEL AND BRACING SHALL BE FURNISHED BY THE CONTRACTOR

CUTTING AND PATCHING

THIS CONTRACTOR SHALL INCLUDE ALL CUTTING PATCHING AND PAINTING OF CONTRACTOR SHALL EXAMINE THE LOCATIONS AND VERIFY ALL MEASUREMENTS, PATCHED AREAS REQUIRED FOR AND RESULTING FROM THE INSTALLATION OF ALL OPENINGS AROUND PIPE PENETRATIONS THROUGH SMOKE OR FIRE-RATED FLOORS, CEILINGS OR WALLS SHALL BE SEALED AIRTIGHT WITH MATERIAL DROPS IN PIPING AND DUCTWORK AS REQUIRED BY BUILDING CONDITIONS AT NO HAVING A RATING EQUAL TO THE MATERIAL OF THE WALL, CEILING AND/OR FLOOR

THIS CONTRACTOR SHALL LOCATE AND FURNISH FOR INSTALLATION BY THE GENERAL CONTRACTOR ALL ACCESS PANELS AS REQUIRED FOR ACCESS TO VALVES, AND THE PROPER SERVICING OF EQUIPMENT AND LINES INSTALLED

LE AND "K" FOR PLASTER; EXCEPT FOR FIRE-RATED UL 1-1/2 HOUR AND "B" LABEL ACCESS PANELS SHALL BE FURNISHED IN FIRE-RATED WALLS AND CEILINGS AS INDICATED ON THE DRAWINGS, ACCESS DOORS SHALL BE 12" X 12" MINIMUM SIZE FOR VALVES.

FOR THE PREVENTION OF ELECTROLYTIC CORROSION AT CONNECTIONS

MOTORS, STARTERS AND DISCONNECTS

BETWEEN PIPE OF DISSIMILAR METALS OR BETWEEN PIPE AND EQUIPMENT CONNECTIONS OF DISSIMILAR METALS, PROVIDE DIELECTRIC UNIONS OR

DIELECTRIC UNIONS

UNLESS SPECIFIED TO BE FURNISHED WITH EQUIPMENT, ALL MOTOR STARTERS AND DISCONNECT SWITCHES SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

THREADS ON SCREWED PIPE SHALL BE STANDARD, CLEAN BUTT AND TAPERED. PIPE SHALL BE REAMED OF BURRS AND KEPT CLEAN OF SCALE, DIRT AND SHAVINGS. TREADS SHALL BE MADE WITH FLAKED GRAPHITE AND LUBRICATING OIL OR APPROVED PIPE COMPOUND ON THE MALE THREAD ONLY.

COPPER-TO-STEEL AND COPPER-TO-BRASS JOINTS SHALL BE MADE WITH SILVER RESPONSIBILITY FOR ERRORS SINCE THIS CONTRACTOR IS SOLELY RESPONSIBLE SOLDER. ALL OTHER COPPER-TO-COPPER JOINTS ABOVE GROUND SHALL BE MADE WITH LEAD FREE SOLDER. COPPER PIPE SHALL BE CUT SQUARE, BURRS REMOVED AND CARE SHALL BE GIVEN TO KEEP THE LINES FREE OF DIRT AND MOISTURE. ALL TUBING AND FITTINGS SHALL BE THOROUGHLY CLEANED. WELDED PIPE SHALL HAVE BUTT WELDED SINGLE "V" TYPE JOINTS FOR WHICH CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING ENGINEER PIPE HAS BEEN BEVELED TO 45 DEGREES. WELD SHALL BE ONE-FOURTH ACCESSORIES, ETC. SHALL BE MADE BY MEANS OF FLANGES AND/OR ADAPTERS.

> UNIONS SHALL BE PROVIDED AT EACH SCREWED VALVE AND UNIONS OR FLANGES AT EACH EQUIPMENT CONNECTION.

WORK WITH THAT OF ALL OTHER TRADES AND PERFORMING ALL WORK IN A SAFE FURNISH AND INSTALL FLEXONICS EXPANSION JOINTS IN PIPING SYSTEM WHERE SHOWN OR NECESSARY FOR EXPANSION AND CONTRACTION EXPANSION JOINTS IN PIPE 4" AND GREATER SHALL BE THE PACKLESS TYPE WITH

> EXPANSION JOINTS IN COPPER PIPE LINDER 4" IN SIZE SHALL BE OF THE AND CARBON STEEL SHROUDS AND END FITTINGS, INTERNAL GUIDES AND

COMPENSATOR TYPE CONSTRUCTED OF TWO-PLY STAINLESS STEEL BELLOWS ANTI-TORQUE DEVICES. EXPANSION JOINTS IN STEEL PIPE UNDER 4" IN SIZE SHALL BE OF THE

COMPENSATOR TYPE CONSTRUCTED OF TWO-PLY STAINLESS STEEL FLBOWS AND CARBON STEEL SHROUDS AND END FITTINGS. INTERNAL GUIDES AND

PROVIDE GUIDES ON EACH SIDE OF EXPANSION JOINT, AT 4 PIPE DIAMETERS, 14 PIPE DIAMETERS, AND A THIRD GUIDE AS RECOMMENDED BY THE

PIPE FLEXIBLE CONNECTIONS

FLEXIBLE PIPE CONNECTIONS SHALL BE RESISTOFLEX #R6904 OR APPROVED **EQUAL FLEXIBLE CONNECTIONS MADE FROM TEFLON**

PROVIDE FOR MOVEMENT IN PIPING BY USE OF SWING JOINTS AT CONNECTION OF ALL BRANCHES TO MAINS AND RISERS. ALL BRANCHES FROM MAINS AND RISERS SHALL HAVE 1/4" CLEARANCE BETWEEN PIPE INSULATION AND SLEEVE TO PERMIT PIPE MOVEMENT

THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL VALVES OF ONE MANUFACTURER FIGURE NUMBER AND TYPE THROUGHOUT THE ENTIRE INSTALLATION OF THE WORK LINESS OTHERWISE SPECIFIED. THE FOLLOWING NUMBERS ARE FROM THE CRANE CATALOG. EQUAL VALVES OF REPUTABLE MANUFACTURERS, SUCH AS HAMMOND, NIBCO-SCOTT AND/OR JENKINS WILL BE

ALL VALVES SHALL BE BUILT FOR A MINIMUM OF 125 PSIG WORKING PRESSURE. ISOLATION VALVES SHALL BE PROVIDED ON ALL INDIVIDUAL FIXTURES AND CHECK VALVES 2-1/2" AND SMALLER SHALL BE #36 (SCREWED ENDS) OR #1342

(SOLDER-JOINT ENDS) SWING-TYPE WITH BRONZE BODY AND BRONZE TRIM. BUTTERFLY VALVES 2" AND LARGER SHALL BE #12F, IRON BODY, CAST-IRON WAFER W/LOCK LEVER. BALL VALVE UP TO 3" IN SIZE SHALL BE APOLLO SERIES #70 BRONZE VALVE WITH

CHROME-PLATED BALL AND TEFLON SEAT. GAS LINE COCKS UP TO 4" SHALL BE #320. 1/2 PSI FOR INDOOR APPLIANCE

CONNECTIONS SHALL CONFORM TO ANSI Z21.15 AND CSA 9.1, 5 PSI FOR INDOOR SHUTOFF SHALL CONFORM TO CGA 91-002 AND ASME B16.44

18. PIPE SLEEVES AND COLLARS

THIS CONTRACTOR SHALL LAY OUT ALL HIS WORK AND SET SLEEVES IN NEW DNSTRUCTION AS CONCRETE FORMS AND WALL ARE ERECTED SO AS TO BE ABLE TO INSTALL HIS WORK WITHOUT CUTTING OR BREAKING OF FLOORS O WALLS. ALL SLEEVES FOR INSULATED PIPING SHALL BE LARGE ENOUGH TO ALLOW INSULATION TO PASS THROUGH SLEEVE.

COPPER TUBING SLEEVES EXTENDING 1" ABOVE FINISHED FLOOR. ALL OTHER SLEEVES SHALL BE 24 GAUGE GALVANIZED PIPES AND SLEEVES TO BE THOROUGHLY PACKED WITH WATERPROOF SEALANT AND THE REMAINING SPACE FILLED WITH MASTIC AND MUST BE WATERTIGHT.

ALL SLEEVES PASSING THROUGH INNER WALLS SHALL BE STANDARD PIPE THIMBLES EQUAL TO THE THICKNESS OF THE WALL.

SPACES BETWEEN PIPES AND SLEEVES THROUGH OUTSIDE WALLS. ABOVE

GRADE, SHALL BE CAULKED WITH CAULKING COMPOUND; THOSE BELOW GRADE SPACE AROUND ALL PIPING THROUGH FIRE OR SMOKE RATED PARTITIONS OR

FLOORS SHALL BE SEALED AIRTIGHT WITH MATERIALS OR EQUIPMENT AS SPECIFIED UNDER FIRESTOPPING ALL PIPE PENETRATIONS OF SLABS ON GRADE SHALL BE WRAPPED WITH #15

BUILDING FELTS OR FOAM WRAP.

A. PIPE HANGER AND SUPPORT PRODUCTS INSTALLATION VERTICAL PIPING: MSS TYPE 8 OR 42 CLAMPS INDIVIDUAL. STRAIGHT. HORIZONTAL PIPING RUNS: 100 FEET AND

LESS: MSS TYPE 1, ADJUSTABLE, STEEL CLEVIS HANGERS. LONGER THAN 100 FEET: MSS TYPE 43, ADJUSTABLE ROLLER HANGERS. LONGER THAN 100 FEET IF INDICATED: MSS TYPE 49, SPRING CUSHION ROLLS. MULTIPLE, STRAIGHT, HORIZONTAL PIPING RUNS 100 FEET OR LONGER:MSS TYPE 44, PIPE ROLLS. SUPPORT PIPE ROLLS ON

d. BASE OF VERTICAL PIPING: MSS TYPE 52, SPRING HANGERS. B. SUPPORT VERTICAL PIPING AND TUBING AT BASE AND AT EACH C. ROD DIAMETER MAY BE REDUCED ONE SIZE FOR DOUBLE-ROD

INSTALL HANGERS FOR ALL PIPING PER MSS SP-69, MANUFACTURERS MANUALS AND AS PER HANGER SUPPORT DETAIL ON DRAWINGS INSTALL SUPPORTS FOR VERTICAL COPPER TUBING EVERY 10 FEET. INSTALL SUPPORTS FOR VERTICAL STEEL PIPING EVERY 15 FEET. G. SUPPORT PIPING AND TUBING NOT LISTED IN THIS ARTICLE ACCORDING TO MSS SP-69 AND MANUFACTURER'S WRITTEN

HANGERS, TO A MINIMUM OF 3/8 INCH

DAMAGE BY LEAKS THIS CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO THE GROUNDS

WALKS, ROADS, ALL BUILDING COMPONENTS AND FINISHES, PIPING SYSTEMS. ELECTRICAL SYSTEMS AND THEIR EQUIPMENT AND CONTENT, CAUSED BY LEAF IN THE PIPING SYSTEMS BEING INSTALLED OR HAVING BEEN INSTALLED HEREIN. ALL REPAIRS WILL BE MADE AT THIS CONTRACTOR'S EXPENSE.

21. PIPE MARKERS

FURNISH AND INSTALL BRADY #B-350 THIN FILM OR APPROVED EQUAL PIPE MARKERS. MARKERS SHALL BE 1-1/8" HIGH FOR PIPES 3" AND UNDER AND 2-1/4 HIGH FOR PIPES OVER 3" MARKERS SHALL INDICATE TYPE OF SERVICE AND

AT ACCESS DOORS AT BRANCH MAINS

AT EQUIPMENT CONNECTIONS

PIPE MARKERS SHALL BE LOCATED

ON ALL ACCESSIBLE PIPE A MAXIMUM OF 75' BETWEEN MARKERS. AT ALL PENETRATIONS ON EITHER SIDE OF PENETRATION 22. FLOOR, WALL AND CEILING PLATES

PIPES PASSING THROUGH FLOORS AND FINISHED CEILINGS. FITTED WITH CHROME- PLATED PLATES OR ESCUTCHEONS LARGE ENOUGH TO COMPLETELY CLOSE OPENING AROUND PIPE OR PIPE COVERING AND FLOOR SUPPORT IN THE CASE OF VERTICAL PIPING. SECURELY HELD IN PLACE; CAULK WATERTIGHT AROUND PIPE IN UNFINISHED ROOMS.

PROTECTED BY A UL APPROVED MATERIAL TO RETAIN THE INTEGRITY OF THE TIME-RATED CONSTRUCTION BY MAINTAINING AS EFFECTIVE BARRIER AGAINST THE SPREAD OF FLAME, SMOKE AND GASES. IT SHALL BE USED IN ALL DUCT CABLE. CONDUIT AND PIPING PENETRATIONS THROUGH FLOOR SLABS AND TIME-RATED WALLS, AND/OR FLOORS. THE RATING OF THE FIRESTOPPING SHALL EQUAL THE RATING OF THE TIME-RATED ASSEMBLY.

FIRESTOPPING MATERIAL SHALL BE 3M FIRE BARRIER SEALING SYSTEM OF APPROVED EQUAL. FIRESTOPPING MATERIAL SHALL CONSTITUTE ONE OR MORE

OF THE FOLLOWING PRODUCTS: CAULK: CP-25 PUTTY: #303

STAINLESS STEEL BELLOWS AND HAVE WELDED OR FLANGED END. JOINTS SHALL INSTALLATION OF FIRESTOPPING SHALL BE INSTALLED IN ACCORDANCE WITH

WRAP/STRIP: FS195

COMPOSITE SHEET: CS19 PENETRATING SEALING SYSTEMS: 7900 SERIES

TO SURFACE PREPARATION. INSTALLATION AND QUALITY CONTROL. AREAS OF GRADE, THEY SHALL BE FITTED AND MATCHED SO THAT THEY WILL FORM A WORK SHALL REMAIN ACCESSIBLE UNTIL INSPECTION AND APPROVAL BY THE APPLICABLE CODE AUTHORITIES

ON INSULATED PIPES, THE FIRE-RATING CLASSIFICATION SHALL NOT REQUIRE REMOVAL OF THE INSULATION.

SUBMIT MANUFACTURER'S PRODUCT DATA, LETTER OF CERTIFICATION OR CERTIFIED LABORATORY TEST REPORT THAT THE MATERIAL OR COMBINATION OF ABS AND FOAM CORE PVC ARE NOT ACCEPTABLE MATERIALS MATERIALS MEET THE REQUIREMENTS SPECIFIED IN ASTM E814 AND ARE SO CLASSIFIED IN UL'S BUILDING MATERIALS DIRECTORY. MATERIALS SHALL MEET AND BE ACCEPTABLE FOR USE BY ALL MODEL BUILDING CODES. MATERIALS SHALL MEET THE REQUIREMENTS OF NFPME61- LIFE SAFETY CODE AND NFPA 70

NATIONAL ELECTRICAL CODE. SUBMIT SHOP DRAWINGS, PRODUCT DATA, CERTIFICATES AND MANUFACTURER'S FITTINGS TO BE, CYLINDRICAL AND FREE FROM CRACKS OR OTHER DEFECTS. INSTALLATION INSTRUCTIONS. SUBMIT MANUFACTURER'S PRODUCT DATA FOR ALL MATERIALS AND PREFABRICATED DEVICES, PROVIDING DESCRIPTIONS SUFFICIENT FOR IDENTIFICATION AT THE JOB SITE. INCLUDE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.

SUBMIT SHOP DRAWINGS SHOWING PROPOSED MATERIAL REINFORCEMENT ANCHORAGE, FASTENINGS, AND METHOD OF INSTALLATION. CONSTRUCTION DETAILS SHALL ACCURATELY REFLECT ACTUAL JOB CONDITIONS.

CLEANUP AND ADJUSTMENT

ALL PARTS WORK LEFT CLEAN: EQUIPMENT, FIXTURES, VALVES, PIPES AND FITTINGS CLEANED OF GREASE AND METAL CLITTINGS. ANY DISCOLORATION OR OTHER DAMAGE TO PORTIONS OF BUILDING, ITS FINISH OR FURNISHING DUE TO THIS CONTRACTORS FAILURE TO PROPERLY CLEAN INTERIOR OF PIPING, ADJUSTED FOR PROPER OPERATION. ALL SURPLUS MATERIALS AND ANY RUBBISH REMOVED AS IT ACCUMULATES. ALL EQUIPMENT LEFT IN SAFE, PROPER

DAMAGE TO ANY PORTIONS MUST BE REPAIRED OF THE PART REPLACED BY THIS FINISH PAINT, LOOSE PLASTER, STAINS OR OTHER BLEMISHES.

25. PIPE TESTING AND START-UP

ALL PIPING TO BE TESTED IN ACCORDANCE WITH THE FOLLOWING: WATER - 100 PSI WATER PRESSURE ALL TESTING MUST HOLD FOR AT LEAST 24 HOURS WITHOUT LOSS OF PRESSURE OR VACUUM. ALL CONCEALED PIPING SHALL BE TESTED IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE PRIOR TO COVERING. BEFORE STARTING ANY SYSTEM. ALL EQUIPMENT SHALL BE LUBRICATED PER MANUFACTURERS REQUIREMENTS BY THIS CONTRACTOR. TEST ENTIRE BUILDING SYSTEMS UNDER FULL LOAD CONDITIONS FOR A PERIOD OF NOT LESS THAT ONE (1) WEEK DURING WHICH TIME THE OPERATING PERSONNEL SHALL BE FULLY INSTRUCTED IN THE OPERATION AND MAINTENANCE OF THE PLANT. AFTER THE PLANT IS IN FULL OPERATION, THIS CONTRACTOR IS TO FURNISH WHATEVER ADDITIONAL SERVICE

IS REQUIRED TO RECALIBRATE AND RESET CONTROLS, VALVES, BALANCING COCKS, ETC. TO ENSURE PROPER OPERATION OF THIS SYSTEM.

TESTING AND BALANCING

THIS CONTRACTOR SHALL AT THE TIME OF INSTALLATION ENSURE THAT ALL DEVICES TO COMPLETE TESTING AND BALANCING AS DIRECTED HEREIN ARE JRNISHED AND INSTALLED DURING FABRICATION AND INSTALLATION OF WORK. ALL SLEEVES PASSING THROUGH FLOORS WHICH ARE WATERPROOFED SHALL BE THIS WORK SHALL BE PERFORMED PRIOR TO TURNOVER TO BUILDING OCCUPANT AND WITH AMPLE TIME TO MAKE ANY NECESSARY REPAIRS OR CHANGES TO ACHIEVE A PROPERLY OPERATING SYSTEM.

> SEISMIC RESTRAINTS ON MECHANICAL EQUIPMENT ALL PLUMBING EQUIPMENT SHALL BE PROVIDED WITH SEISMIC RESTRAINING SERVICES AS REQUIRED BY LOCAL BUILDING CODES. CONTRACTOR SHALL HAVE OCAL BUILDING OFFICE REVIEW EACH PIECE OF EQUIPMENT WHEN INSTALLED AND THE CONTRACTOR SHALL INSTALL ALL REQUIRED TIE DOWN, ANCHORS, STRAPS OR OTHER DEVICES REQUIRED.

THIS CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT, MATERIALS, AND LABOR FURNISHED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS FOR A PERIOD F ONE (1) YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AND SHALL REPAIR ÒR REPLACE ANY EQUIPMENT OR MATERIAL WHICH IS DEFECTIVE O IMPROPERLY INSTALLED. IN ADDITION, THIS CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE TO THE BUILDINGS AND ITS CONTENTS OR THER EQUIPMENT, CAUSED BY DEFECTS OR IMPROPER INSTALLATION OF EQUIPMENT OR MATERIALS INSTALLED UNDER THIS SECTION OF THE

TEMPORARY WATER

TEMPORARY WATER SERVICE (IF REQUIRED) TO THE BUILDING SHALL BE PROVIDED BY THIS CONTRACTOR TO THE BUILDING FOR CONSTRUCTION PURPOSES. THIS CONTRACTOR TO MAINTAIN WATER SERVICE AS REQUIRED

DOMESTIC WATER SERVICE

THIS CONTRACTOR SHALL COORDINATE EXACT AVAILABLE DELIVERY PRESSURE AND PROVIDE ALTERNATE FEE FOR A PRESSURE BOOSTING SYSTEM IF RESSURE IS LESS THAN 65PSI STATIC. PROVIDE PRESSURE REDUCING VALVE WITH STRAINER IN SERVICE LINE IF REQUIRED BY LOCAL CODES OR PRESSURE IS

JOINTS SHALL BE CLEANED AND DEBURRED AS RECOMMENDED BY THE MANUFACTURER AND FEDERAL, STATE, AND LOCAL CODES AND PRESS FITTINGS ARE AN ACCEPTABLE IF ALLOWED BY LOCAL AHJ. WHERE PRESS FITTING S ARE NOT ALLOWED SOLDERED AS LISTED BELOW. FLUX SHALL BE NON-CORROSIVE. VICTAULIC GROUVED COUPLINGS ARE ACCEPTABLE ALTERNATE IF ALLOWED BY

SHALL BE CLEANED AS DESCRIBED ABOVE. UNDER NO CIRCUMSTANCES SHALL DISSIMILAR METALS COME INTO DIRECT CONTACT WITH COPPER TURING: E.G. GALVANIZED STRAPPING. HANGERS. OR CLAMPS TO SECURE THE TUBING. BELOW GRADE, OR FLOOR SLAB ON EARTH OR STONE FILL - HIGH TEMPERATURE, SOLDER 1200 DEG. F. OR GREATER MELTING POINT

ABOVE GRADE - WHERE FITTINGS ARE SOLDERED BOTH FITTINGS AND TUBING

NOTE: WATER PIPE TO BE PROPERLY SECURED AND ALIGNED SO AS NOT TO EXERT VERTICAL OR HORIZONTAL STRESSES ON THE SEATING OF THE MATING (MALE AND FEMALE) SURFACES OF THE UNIONS.

MATERIALS - UNDERGROUND: TYPE "K" COPPER TUBE, SOFT TEMPER MATERIALS - ABOVEGROUND: TYPE "L" COPPER TUBE, HARD DRAWN ALTERNATE MATERIALS - PEX-A PIPING IS AN ACCEPTABLE ALTERNATE IF NOT INSTALLED IN A PLENUM AND APPROVED BY LOCAL CODE OFFICIALS. VIEGA, PROPRESS COPPER 1/2-INCH THROUGH 4-INCH WITH EPDM SEALIN ELEMENT AND/OR VIEGA, PROPRESS 304 OR 316 STAINLESS 1/2-INCH THROUGH 4-INCH WITH EPDM OR FKM SEALING ELEMENT IS ACCEPTABLE IF ALLOWED BY

31. STERILIZATION OF DOMESTIC WATER SYSTEM OF ANY DEBRIS AND THOROUGHLY STERILIZED WITH A SOLUTION CONTAINING NOT LESS THAN 100 PARTS PER MILLION OF AVAILABLE CHLORINE. THE SOLUTION SHALL REMAIN IN THE SYSTEM FOR TWO (2) HOURS DURING WHICH TIME ALI VALVES AND FAUCETS SHALL BE OPENED AND CLOSED SEVERAL TIMES. AFTER STERILIZATION, THE SOLUTION SHALL BE FLUSHED FROM THE SYSTEM WITH CLEAN WATER UNTIL THE RESIDUE CHLORINE CONTENT IS NOT GREATER THAN

THE PENETRATIONS OF FIRE AND/OR SMOKE RATED WALLS OR FLOORS SHALL BE STERILIZATION SHALL BE PERFORMED PRIOR TO TURNOVER TO OCCUPANT AS TO NOT ALLOW FOR THE WATER SYSTEM TO REMAIN STAGNANT FOR LONGER THAN THIS CONTRACTOR SHALL HAVE THE WATER TESTED AND APPROVED BY THE

THE CHLORINE LEVEL OF THE AVAILABLE WATER SUPPLY.

THIS CONTRACTOR SHALL CONNECT SANITARY SEWER AS INDICATED ON THE DRAWINGS. VERIFY DIRECTION OF FLOW PRIOR TO ANY ROUGH-IN WORK. EACH PIPE SHALL BE LAID TO THE LINE AND GRADE INDICATED ON THE PLANS AND SUCH A MANNER AS TO FORM A CLOSE CONCENTRIC JOINT WITH THE

ADJOINING PIPE AND TO PRESENT OFFSETS IN FLOW LINE. ALL PIPE SHALL BE LAID WITH THE BELLS UPHIL HAVE TRAVERSE AS INDICATED ON THE PLANS. EXPANSION JOINTS SHALL BE OF AND IN STRICT CONFORMITY WITH MANUFACTURER'S PRINTED INSTRUCTIONS AS LAID. ALL PIPE SHALL BE LAID WITH ENDS ABUTTING AND TRUE TO LINE AND

> EACH JOINT SHALL BE CLEANED AS IT IS LAID AND ALL BELLS SHALL BE CLEANED BEFORE PIPES ARE JOINED. PVC SEWER PIPE MAY BE USED IN LIEU OF THAT SPECIFIED ABOVE IF ALLOWED

SDR 35 IS NOT ACCEPTABLE FOR UNDER BUILDING USE.

SEWER WITH A SMOOTH AND UNIFORM INVERT.

WASTE, SOIL, DRAIN AND VENT PIPING

THE DRAINS SOIL WASTE AND VENT PIPE AND FITTINGS INCLUDING EXTENSIONS O SEWERS SHALL BE OF THE SIZES INDICATED ON THE DRAWINGS. PIPE AND ALL TRENCHES TO BE DUG WITH GRADUAL FALL, THE PIPING TO BE STRAIGH AND FREE FROM ANY SAGS.

IE ARRANGEMENT OF THE SYSTEM SHALL BE AS SHOWN ON THE DRAWINGS AND AS DIRECT AS POSSIBLE, AVOIDING ALL UNNECESSARY OFFSETS. THE STACKS SHALL BE FIRMLY SECURED IN POSITION WITH WROUGHT IRON CLAMPS ALL CHANGES IN DIRECTION OF SOIL OR WASTE PIPE SHALL BE MADE BY MEANS OF "Y" BRANCHES AND 1/8 BENDS. NINETY DEGREE SHORT TURN FITTINGS WILL

NOT BE PERMITTED EXCEPT TO INDIVIDUAL FIXTURE CONNECTIONS OR WHERE THE FLOW IS FROM THE HORIZONTAL TO THE VERTICAL. SANITARY CLEANOUTS ARE TO BE PROVIDED AT EVERY TURN GREATER THAN 45°. REPAIRED AT THIS CONTRACTOR'S EXPENSE ALL ALTOMATIC CONTROL DEVISES. AT INTERVALS OF NO GREATER THAN 50' AT ANY STACK ROLLTING BELOW GRADE

NOT ALL CLEANOUTS LOCATIONS MAY BE SHOWN ON THE DRAWING. ALL TRAP SCREWS MUST BE OF FULL SIZE OF PIPE UP TO 4" AND 4" FOR ALL OVER THIS SIZE. CONNECTIONS BETWEEN OUTLETS OF FIXTURES AND SOIL OR WASTE PIPE SHALL BE MADE WITH "Y" BRANCHES TO "TY" BRANCHES WHEREVER CONTRACTOR AND ALL PARTS LEFT WITHOUT DENTS, SCRATCHES, THROUGH THE POSSIBLE. ALL HORIZONTAL SOIL WASTE AND VENT PIPE SHALL BE GRADED OWARD OUTLETS AND PIPE NOT BURIED SHALL BE INSTALLED ABOVE THE CEILING OR CLOSE AS POSSIBLE TO THE CONSTRUCTION ABOVE WHERE THERE IS INTEGRAL, CENTER PIPE STOP.

THE STACKS SHALL BE EXTENDED THROUGH ROOF OF BUILDING TO POINTS NOT LESS THAT 12" ABOVE ROOF. EXTENSIONS THROUGH ROOF SHALL BE MADE WATER- TIGHT BY MEANS OF A LEAD FLASHING OF FOUR POINTS SHEET LEAD SPREAD OVER A DISTANCE OF NOT LESS THAN TWELVE INCHES (12") AROUND PIPE. THIMBLE TO BE SOLDERED TO BASE AND EXTENDED OVER AND TURNED DOWN INTO END OF PIPE IN AN APPROVED MANNER

ALL CLEANOUTS IN FLOORS TO BE JOSAM #8360 OR EQUAL. ADJUSTABLE CLEANOUT WITH BODY TO MATCH THE PIPING MATERIAL. CAST BRASS SCORIATED COVER WITH LETTERS C.O. CAST IN TOP AND CONCEALED BRASS PLUG.

CLEANOUTS SHALL BE INSTALLED IN BASE OF EACH STACK. CONCEALED CLEANOUTS SHALL HAVE JOSAM #8600 OR EQUAL. CAST BRASS CHROMIUM PLATED FLAT ACCESS COVER PLATES.

ALL JOINTS OF CAST IRON PIPE SHALL BE MADE WITH MANUFACTURERS OMMENDED JOINING MATERIAL. AT THE CONTRACTOR'S OPTION HE MAY USE NO-HUB PIPE, FITTINGS, COUPLING AND GASKETS IN LIEU OF CAULKED JOINTS IF APPROVED BY THE LOCAL CODES AND ORDINANCES.

IF APPROVED BY THE LOCAL CODES, SCHEDULE 40 PVC PIPE WITH DWV FITTINGS MAY BE USED FOR THE WASTE AND VENT SYSTEM. PVC PIPE AND FITTINGS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL CODES. ENCASEMENT OF PVC PIPES WITHIN RATED SHAFTS SHALL BE THE COST OF THIS CONTRACTOR. SCHEDULE 40 PVC SHALL NOT BE INSTALLED WITHIN A PLENUM.

ABS AND FOAM CORE PVC ARE NOT ACCEPTABLE MATERIALS SDR 35 IS NOT ACCEPTABLE FOR UNDER BUILDING USE.

EACH VENT FLASHING SHALL BE MADE WATER-TIGHT WITH THE ROOF BY PROPER WATER PROOF FLASHING. 35. WASTE, VENT AND WATER CONNECTIONS

THE MINIMUM SIZE OF WASTE, VENT, AND WATER CONNECTION TO THE INDIVIDUAL FIXTURES SHALL BE AS SHOWN ON DRAWINGS. WHERE FIXTURES ARE GROUPED PIPES SHALL BE INCREASED IN PROPORTION: IN ALL CASES THE SIZE ARRANGEMENTS AND CONNECTIONS OF WATER AND VENT PIPING SHALL NOT BE LESS THAN SIZE OF OPENINGS SPECIFIED FOR FIXTURES ND APPEARING IN FIXTURE LIST. NO WATER PIPE LESS THAN 1/2" SHALL BE

INSTALLED IN CONCEALED PLACES SUCH AS IN PARTITIONS OR WALLS ETC

MATERIALS: FIXTURES SHALL BE THE STANDARD PRODUCT OF ONE OF THE

36. PLUMBING FIXTURES AND TRIM

PLUMBING FIXTURES SHALL BE FURNISHED AND INSTALLED IN A NEAT AND WORKMANLIKE MANNER WITH PROPER CONNECTIONS TO SUPPLY AND DRAINAGE PIPING. ALL FIXTURES SHALL BE FREE OF FLAWS AND DEFECTS OF ANY SORT IN MATERIAL AND WORKMANSHIP AND SHALL OPERATE PERFECTLY WHEN STALLED IN ACCORDANCE WITH MANUFACTURER'S DIRECTION.

UNIT APPROVED BY THE ENGINEER. NSTALLATION: THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THE PLUMBING FIXTURES AND ACCESSORIES DURING CONSTRUCTION. HE SHALL REPLACE AT HIS EXPENSE ANY MATERIAL THAT IS MARRED, SCRATCHED, EFACED AND/OR BROKEN. FIXTURES SHALL BE COVERED WITH BUILDING PAPER AND WOODEN CRATES DURING CONSTRUCTION.

MANUFACTURER'S LISTED IN THE PLUMBING FIXTURE SCHEDULE, OR ANY EQUAL

CONTRACTOR SHALL COORDINATE EXACT AND PROVIDE ROUGH-IN LOCATIONS WITH FIELD CONDITIONS AND PLANS PRIOR TO ANY WORK. CONTRACTOR SHALL CONNECT ALL FIXTURES TO THE PLUMBING SYSTEM. ALL FIXTURES TO BE STALLED TO DIMENSIONS WITH CHROME-PLATED SUPPLIES WITH STOPS

NATER CLOSETS SHALL HAVE CAULKING BETWEEN THE FLOOR AND UNDERSIDE OF THE WATER CLOSET PLUMBING EQUIPMENT: (REFER TO SCHEDULE ON THE DRAWINGS)

ALL FIXTURES INSTALLED TO DIMENSIONS SHOWN ON THE DRAWINGS. ALL

ALL INSULATION SHALL HAVE COMPOSITE (INSULATION, JACKET OR FACINGS AND ADHESIVE USED TO ADHERE THE FACING OR JACKET TO THE INSULATION) FIRE ND SMOKE HAZARD RATINGS AS TESTED BY PROCEDURE ASTM E-84, NFPA 225 UL 723 NOT EXCEEDING: FLAME SPREAD 25

ALL ACCESSORIES SUCH AS ADHESIVES, MASTICS, CEMENTS, TAPES AND CLOTH FOR FITTINGS SHALL HAVE THE SAME COMPONENTS RATINGS AS LISTED ABOVE INSULATION SHALL BE APPLIED ON CLEAN, DRY SURFACES AND AFTER INSPECTION AND RELEASE FOR INSULATION APPLICATION. ALL INSULATION SHALL BE CONTINUOUS THROUGH WALL AND CEILING OPENINGS AND SLEEVES.

INSULATION ON ALL COLD SURFACES WHERE VAPOR BARRIER JACKETS ARE USED, WILL BE APPLIED WITH A CONTINUOUS, UNBROKEN VAPOR SEAL, INCLUDING ALL FITTINGS AND VALVES ALL INSULATION TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S. FITTINGS SHALL BE FINISHED WITH 1/4" COAT OF INSULATING CEMENT AND CANVAS.

INSULATION SCHEDULE DOMESTIC COLD WATER - 1/2" THICK ARMAFLEX (FLAME SPREAD 25/ SMOKE DEVELOPED 50) DOMESTIC HOT WATER - 1" THICK ARMAFLEX (FLAME SPREAD 25/ SMOKE DOMESTIC HOT WATER RETURN- 1" THICK ARMAFLEX (FLAME SPREAD 25/ SMOKE DEVELOPED 50) EXPOSED STORM WASTE AND SANITARY WASTE - 1/2" THICK ARMAFLEX (FLAME SPREAD 25/ SMOKE DEVELOPED 50)

ALL MATERIALS USED SHALL COMPLY WITH SECTIONS 1712 AND 1713 OF THE UBC. NATURAL GAS PIPING SYSTEM ALL PIPING FROM GAS METER TO GAS-FIRED EQUIPMENT SHALL BE FURNISHED

ALL GAS PIPING TO BE IN ACCORDANCE WITH LOCAL CODES, NEPA-54, IEGC AND UPC ALL GAS PIPING SHALL BE INSTALLED IN ACCORDANCE WITH NFPA-54, LOCAL

ALL GAS PIPING SHALL BE SCHEDULE 40 BLACK OR GALVANIZED STEEL WITH

BLACK OR GALVANIZED WITH MALLEABLE SCREWED FITTINGS. USE TEFLON TAPE ON ALL THREADED JOINTS FITTINGS LARGER THAN TWO INCHES (2") SHALL BE WELDED. PROVIDE UNIONS AND GAS SHUT-OFF VALVES AT EACH PIECE OF GAS FIRED EQUIPMENT OR APPLIANCE. ANY GAS PIPING CONCEALED IN CHASES AND/OR INACCESSIBLE CEILING IS TO BE WELDED WITH WELDED FITTINGS. FLEXIBLE CSST PIPING MATERIAL IS AN ACEPTABLE ALTERNATE ONLY IF ALLOWED BY LOCAL AHJ AND RESIZED PER MANUFACTURERS SIZING GUIDELINES.

ALL FLEXIBLE GAS PIPING SYSTEM COMPONENTS MUST BE A.1 CSA INTERNATIONAL CERTIFIED CORRUGATED STAINLESS STEEL TUBING (CSST) FLEXIBLE GAS PIPING WITH MECHANICAL ATTACHMENT AUTOFLARE® TTINGS THAT CONFORM TO THE LATEST ANSI STANDARDS FOR SAFE PERFORMANCE ANSI I C-1 /CSA 6 26 A.2 UNDERWRITERS LABORATORIES CLASSIFICATION LISTED FOR THRU

PENETRATION FIRE STOP REQUIREMENTS RATINGS TO INCLUDE ONE, TWO, THREE AND FOLIR HOLIR TESTS A.3 LISTED WITH FM (FACTORY MUTUAL) REQUIREMENTS FOR FLAMMABLE GAS PIPING SYSTEMS. FOR SEISMIC RESISTANCE. A.4 TUBING SHALL BE TESTED AND LISTED IN ACCORDANCE WITH ICC LC-1024. FOR RESISTANCE TO ARCING FROM TRANSIENT ENERGY

STORM PIPING SYSTEM

ALL STORM PIPING SHALL BE OF THE FOLLOWING MATERIALS A. HUB-AND-SPIGOT, CAST-IRON PIPE AND FITTINGS: ASTM A 74, SERVICE GASKETS: ASTM C 564, RUBBER B. HUBLESS CAST-IRON PIPE AND FITTINGS: ASTM A 888 OR CISPI 301. SHIELDED COUPLINGS: ASTM C 1277 ASSEMBLY OF METAL SHIELD OR HOUSING, CORROSION-RESISTANT FASTENERS, AND RUBBER SLEEVE WITH

 STANDARD, SHIELDED, STAINLESS-STEEL COUPLINGS: CISPI 310. WITH STAINLESS-STEEL CORRUGATED SHIELD; STAINLESS-STE BANDS AND TIGHTENING DEVICES; AND ASTM C 564, RUBBER SLEEVE. b. HEAVY-DUTY, SHIELDED, STAINLESS-STEEL COUPLINGS: WITH STAINLESS-STEEL SHIELD, STAINLESS-STEEL BANDS AND TIGHTENING DEVICES, AND ASTM C 564, RUBBER SLEEVE.

SOLID-WALL PVC PIPE: ASTM D 2665, SOLID-WALL DRAIN, WASTE, AND VENT PVC SOCKET FITTINGS: ASTM D 2665, MADE TO ASTM D 3311, DRAIN, WASTE, AND SOLVENT CEMENT AND ADHESIVE PRIMER. a. USE PVC SOLVENT CEMENT THAT HAS A VOC CONTENT OF 510 G/L OR

LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA

b. USE ADHESIVE PRIMER THAT HAS A VOC CONTENT OF 550 G/L OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA

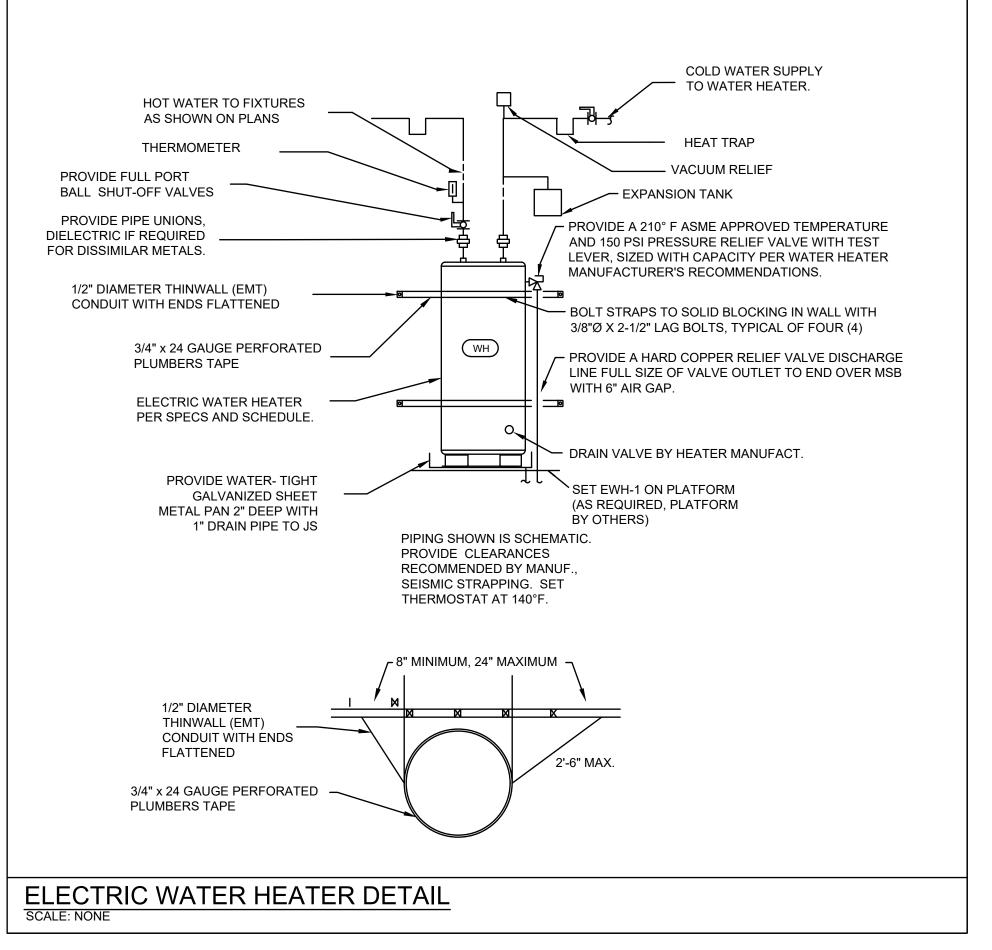
INSTALL STORM DRAINAGE PIPING AT THE FOLLOWING MINIMUM SLOPES, UNLESS OTHERWISE INDICATED: BUILDING STORM DRAIN: 1 PERCENT DOWNWARD IN DIRECTION OF FLOW PIPING NPS 3 AND SMALLER; 1 PERCENT DOWNWARD IN DIRECTION OF FLOW FOR PIPING NPS 4 AND LARGER. HORIZONTAL STORM-DRAINAGE PIPING: 2 PERCENT DOWNWARD IN

DIRECTION OF FLOW A. SLEEVES ARE NOT REQUIRED FOR CAST-IRON SOIL PIPING PASSING THROUGH CONCRETE SLABS-ON-GRADE IF SLAB IS WITHOUT

MEMBRANE WATERPROOFING INSTALL PVC STORM DRAINAGE PIPING ACCORDING TO ASTM D 2665 INSTALL UNDERGROUND PVC STORM DRAINAGE PIPING ACCORDING

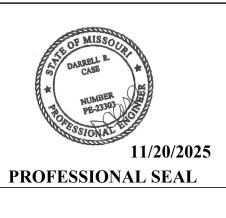
TO ASTM D 2321. DO NOT ENCLOSE, COVER, OR PUT PIPING INTO OPERATION UNTIL IT IS INSPECTED AND APPROVED BY AUTHORITIES HAVING JURISDICTION.

STORM PIPING COMPONENTS AND INSTALLATION SHALL BE CAPABLE OF WITHSTANDING THE MINIMUM WORKING PRESSURE OF 10-FOOT HEAD OF WATER, UNLESS OTHERWISE



STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**







DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSCTRUCTION

OFFICE OF ADMINISTRATION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143

PATTERSON, MO 63956

REVISION

PROJECT #	X2319-01
SITE#	5218
ASSET #	
CABIN #1:	7815218008
CABIN #2:	7815218007
CABIN #3:	7815218022
CABIN #4:	7815218005
CABIN #14:	7815218003
CABIN #19:	7815218019

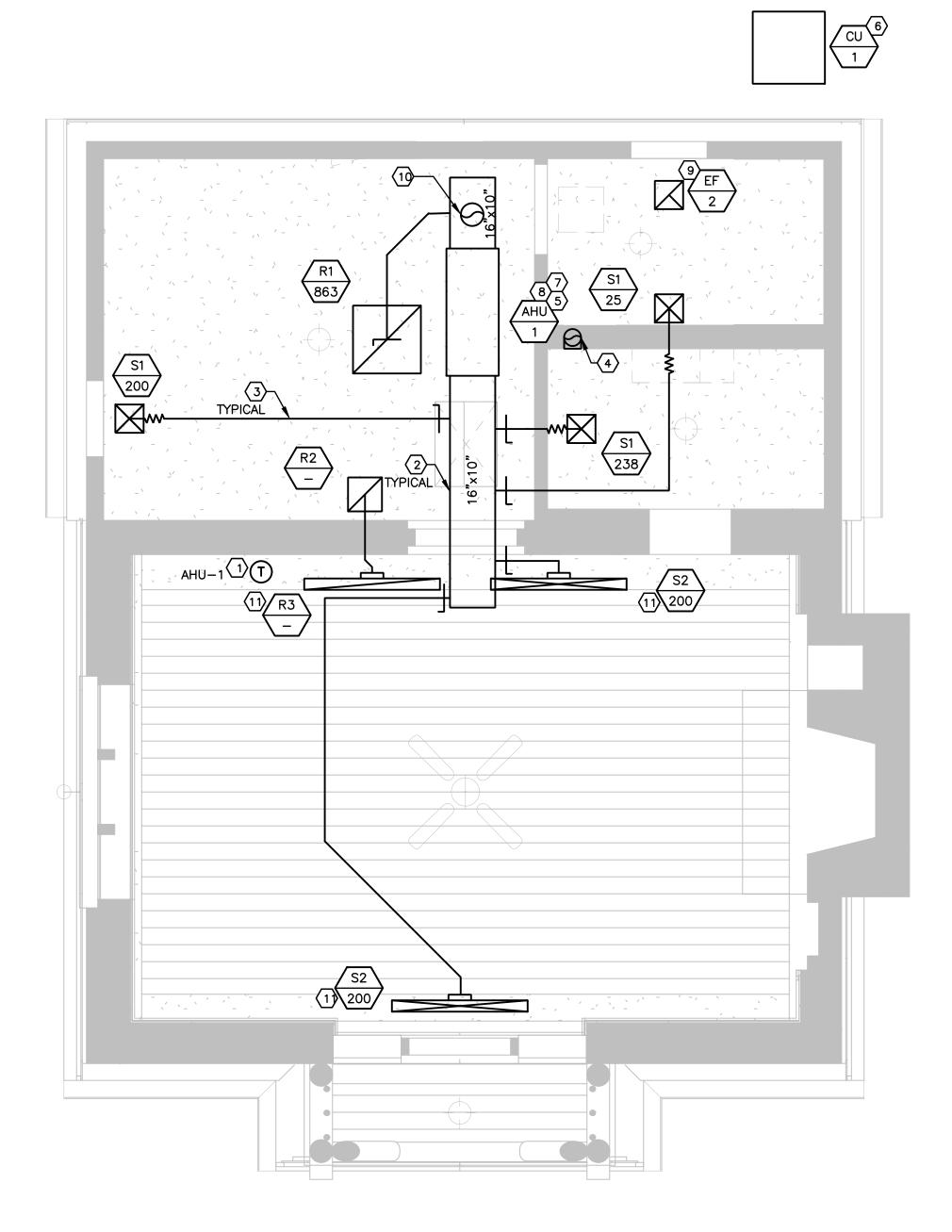
ISSUEDATE: 11/20/25

DRAWN BY: CHECKED BY: **DESIGNED BY:** SHEET TITLE:

CAD DWG FILE

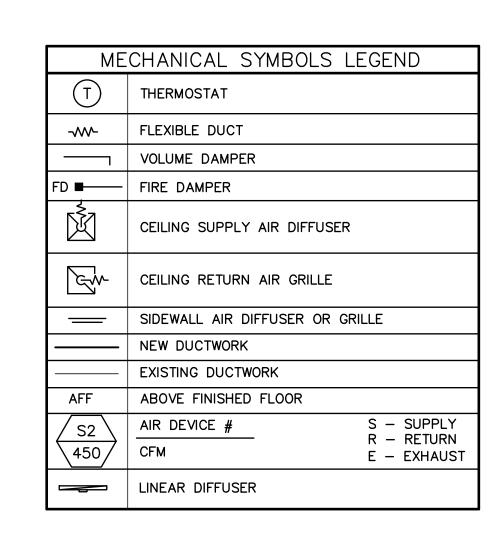
PLUMBING SPECIFICATIONS AND DETAILS

SHEET NUMBER:



MECHANICAL PLAN CABIN 1, 2, 3, 4 AND 14

SCALE: 3/8" = 1'-0"



MECHANICAL KEYED NOTES

- PROVIDE THERMOSTATS AND RELATED WIRING TO CONTROL AIR HANDLER UNIT. MOUNT 48" A.F.F. PROVIDE LOCKABLE COVER.
- PROVIDE GALVANIZED STEEL DUCTWORK, SIZES AS NOTED ON DRAWINGS. DUCTWORK SIZES ARE CLEAR, INSIDE DIMENSIONS. SEE DUCT WORK INSULATION SCHEDULE ON M300.
- 3 MAXIMUM FIVE (5) FEET OF FLEXIBLE DUCT. ONLY ONE 90° ELBOW ALLOWED IN FLEXIBLE DUCTWORK.
- PROVIDE NEW EXHAUST DUCT FOR NEW MICROWAVE OVER RANGE OVEN. TERMINATE WITH ROOF CAP WHICH HAS A BUILT IN DAMPER. REFER TO MICROWAVE INSTALLATION MANUAL FOR DUCT SIZING.
- 5 PROVIDE AIR HANDLING UNIT (AHU-1). VERIFY EXACT LOCATION, CAPACITY AND OPERATION IN FIELD.
- 6 PROVIDE CONDENSING UNIT (CU-1). VERIFY EXACT LOCATION, CAPACITY AND OPERATION IN FIELD.
- 7 ROUTE 1"Ø CONDENSATE LINE FROM NEW AHU TO TAILPIECE OF LAVATORY. AHU DRAINPAN TO HAVE OVERFLOW SWITCH TO DISABLE AHU AND NOTIFY TENANT IF CLOGGED.
- 8 ROUTE REFRIGERANT LINES IN FIELD TO REMOTE CONDENSER ON ROOF, INSULATE WITH 1" ARMAFLEX. SIZE AND INSTALL ALL PIPING PER MANUFACTURER'S GUIDELINES FOR TOTAL LENGTH AND EQUIPMENT VERTICAL SEPARATION. COORDINATE EXACT LOCATIONS WITH OWNER PRIOR TO ANY WORK. CONTACT THE ENGINEER IMMEDIATELY, IF ANY DISCREPANCIES ARE DISCOVERED.
- 9 PROVIDE EXHAUST FAN AS SCHEDULED AND SPECIFIED, (EF-1). PROVIDE AND INSTALL NEW 4" DUCT, EXTEND UP THROUGH ROOF TO NEW ROOF VENT KIT. ENSURE VENT IS MINIMUM 10'-0" FROM FRESH AIR INTAKES FOR BUILDINGS.
- NEW 8" OUTSIDE AIR DUCT, EXTEND UP THROUGH ROOF TO NEW ROOF VENT KIT. ENSURE INTAKE IS MINIMUM 10'-0" FROM EXHAUST.
- LINEAR SLOT DIFFUSERS TO BE INSTALLED AT INTERSECTION OF THE VAULTED CEILING AND FLAT CEILING.

STATE OF MISSOURI MIKE KEHOE, GOVERNOR







OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSCTRUCTION

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

PROJECT # X2319-01 SITE# 5218 ASSET # CABIN #1: 7815218008 CABIN #2: 7815218007 7815218022 CABIN #3: CABIN #4: 7815218005 CABIN #14: 7815218003 CABIN #19: 7815218019

DATE # REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE: DRAWN BY: CHECKED BY: DESIGNED BY:

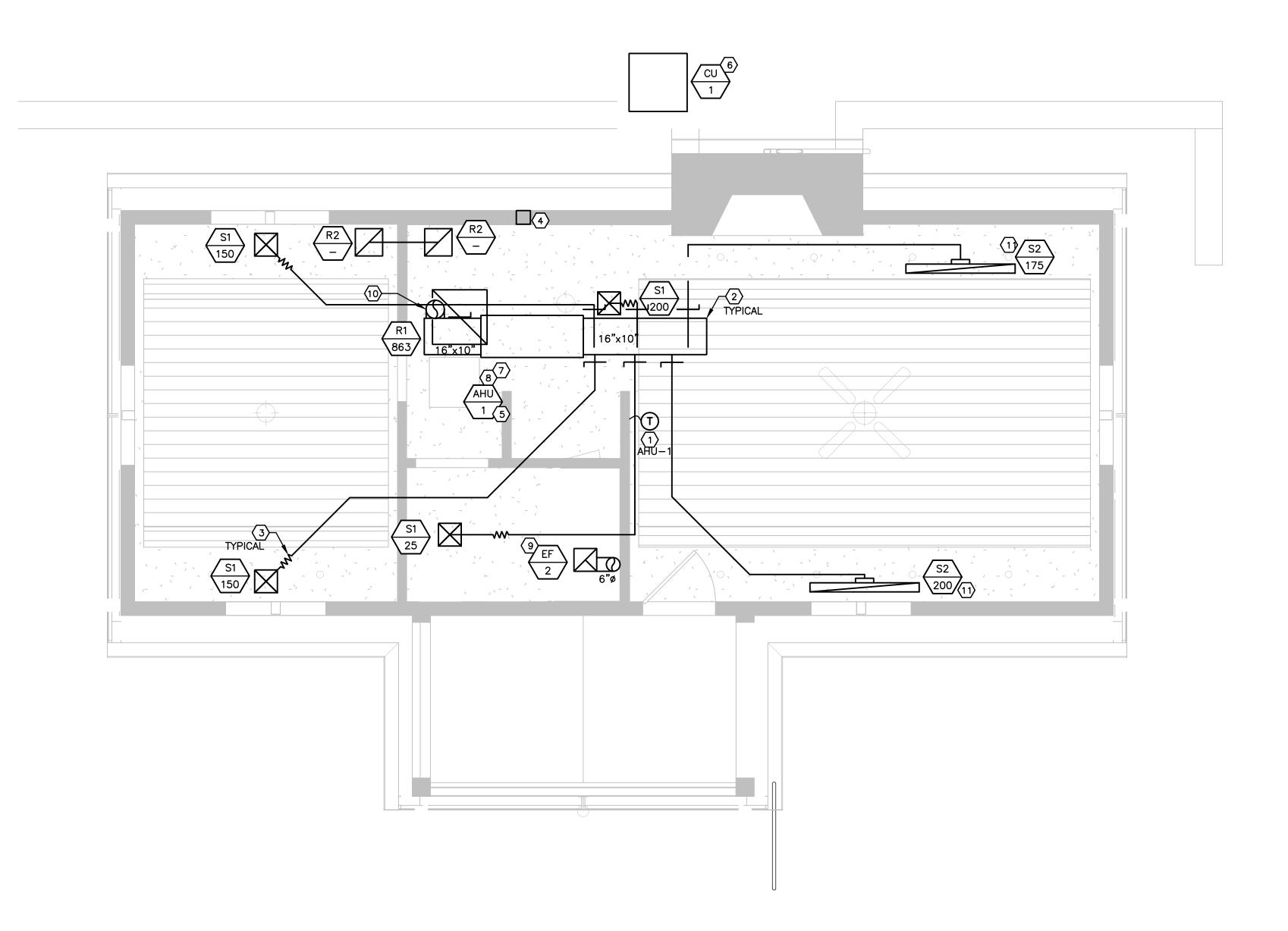
VN BY: TP
KED BY: DC
GNED BY: DC

SHEET TITLE:

MECHANICAL PLANS

SHEET NUMBER:

M-100



MECHANICAL PLAN CABIN 19
SCALE: 3/8" = 1'-0"

МЕ	CHANICAL SYMBOLS LEGEND
T	THERMOSTAT
-W-	FLEXIBLE DUCT
	VOLUME DAMPER
FD =	FIRE DAMPER
Ž	CEILING SUPPLY AIR DIFFUSER
Ew	CEILING RETURN AIR GRILLE
	SIDEWALL AIR DIFFUSER OR GRILLE
	NEW DUCTWORK
	EXISTING DUCTWORK
AFF	ABOVE FINISHED FLOOR
S2 450	AIR DEVICE # S - SUPPLY R - RETURN E - EXHAUST
	LINEAR DIFFUSER

MECHANICAL KEYED NOTES

- PROVIDE THERMOSTATS AND RELATED WIRING TO CONTROL AIR HANDLER UNIT. MOUNT 48" A.F.F. PROVIDE LOCKABLE COVER.
- 2 PROVIDE GALVANIZED STEEL DUCTWORK, SIZES AS NOTED ON DRAWINGS.
 DUCTWORK SIZES ARE CLEAR, INSIDE DIMENSIONS. SEE DUCT WORK
 INSULATION SCHEDULE ON M300.
- 3 MAXIMUM FIVE (5) FEET OF FLEXIBLE DUCT. ONLY ONE 90° ELBOW ALLOWED IN FLEXIBLE DUCTWORK.
- PROVIDE NEW EXHAUST DUCT FOR NEW MICROWAVE OVER RANGE OVEN.
 TERMINATE WITH WALL CAP WHICH HAS A BUILT IN DAMPER. REFER TO
 MICROWAVE INSTALLATION MANUAL FOR DUCT SIZING.
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- (8) ROUTE REFRIGERANT LINES IN FIELD TO REMOTE CONDENSER ON ROOF, INSULATE WITH 1" ARMAFLEX. SIZE AND INSTALL ALL PIPING PER MANUFACTURER'S GUIDELINES FOR TOTAL LENGTH AND EQUIPMENT VERTICAL SEPARATION. COORDINATE EXACT LOCATIONS WITH OWNER PRIOR TO ANY WORK. CONTACT THE ENGINEER IMMEDIATELY, IF ANY DISCREPANCIES ARE DISCOVERED.
- 9 PROVIDE EXHAUST FAN AS SCHEDULED AND SPECIFIED, (EF-2). PROVIDE AND INSTALL NEW 4" DUCT, EXTEND UP THROUGH ROOF TO NEW ROOF VENT KIT. ENSURE VENT IS MINIMUM 10'-0" FROM FRESH AIR INTAKES FOR BUILDINGS.
- 10 NEW 8" OUTSIDE AIR DUCT, EXTEND UP THROUGH ROOF TO NEW ROOF VENT KIT. ENSURE INTAKE IS MINIMUM 10'-0" FROM EXHAUST.
- (11) LINEAR SLOT DIFFUSERS TO BE INSTALLED AT INTERSECTION OF THE VAULTED CEILING AND FLAT CEILING.

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CHECKED BY: DC DESIGNED BY: DC

SHEET TITLE:

MECHANICAL PLANS

SHEET NUMBER:

M-200

					AIR	HANDL	ING UNIT	SCHE	DULE												
			SUPPLY	O.A.	EXT.	COOLING	cool	ING MB	н	HEATING	SUPPLY	ELEC	TRICAL	WEIG	HT REMAR	N/C		IDENTI	FICATION	Î	CON
MARK	MANUFACTURER	MODEL NO.	CFM	CFM	SP.	TONS		TL/SEN		KW	FAN HP	MCA/MOCP	V/		I IVEINIVI	100					ROUND
AHU-1	TRANE	ТЕМ6АОСЗО		180	0.5	2.5		.0/24.0		9.6	1/2	55.0/60.0	230)/1 11	7 1-7	,			SH AIR CEALED		RECTA
2. PROVI 3. VERIF 4. PROVI	TE CONDENSING UN DE AIR FILTER RAC / ALL ELECTRICAL DE WITH FIELD FAB	K TO PERMIT INFORMATION BRICATED MIXIN	SERVICE O WITH ELECT NG BOX FUI	F FILTER, RICAL COI LL SIZE U	INSTALL N NTRACTOR INIT R.A. (MERV 8 FII PRIOR TO CONNECTIO	TERS. ORDERING. N, PROVIDE W	VITH EC	ONOMIZE	R AND CONT	ROLS, LOW							EXH	IAUST CEALED		ROUND
5. CONT	ERS AND TEMPERAT RACTOR SHALL PRO OVER TO OWNER. P	VIDE: TWO (2)) CHANGES	OF THE	FILTERS D	URING CON	ISTRUCTION, (ONE PR	IOR TO	TESTING AND	BALANCING	AND ONE AT						CONC	EALED		RECTA
FANS.	R MODEL NO: BA'		HING AND D	ALANCING	Of THE A	AIN SISILI	, VACCOM CI	LAN AII	N SIDE N	or coils, iiv	SIDE OF A	O CASING AND	,						CEALED		ROUND
7. SEEK.	10.																	SU	PPLY		RECTA
																	CC		TURN :D/EXPOSE	ED	RECTA
				CON	NDENSIN	IG UNIT	SCHEDULE	- - -										TALED :	DUCTS A		
					COOLIN	IG CAPACI			ELEC	CTRICAL											
MARK	MANUFACTURE	ER M	ODEL	COOLING TONS	мвн	AMB *F	REF. TYPE.	MCA	МОСР	VOLT/PHA	WEIGH		(S						F	AN SCH	IEDULE
CU-1	TRANE	4TT	R3030	2.5	30	95	R410A	15	25	230/1	197	1,2,3,4,	.5						ESP		
	DE AND INSTALL C					RECTED B	Y LL. INSTAL	L COND	ENSING	UNIT, SIZE A	AND ROUTE	REFRIGERANT	LINES	MARK	MAKE	мо	DEL	CFM	IN.W.G.	SONES	DRIVE
2. PROVI	RICT ACCORDANCE DE UNIT WITH LOW	AMBIENT CON	NTROL PER	MANUFAC	TURER'S F			OPERA	TION BEI	LOW 55°F AN	ID LONG LIN	E KIT, IF REQU	JIRED.	EF-1	GREEN HEC	K SP-LP	0511-1	50	0.5	_	DIRECT
4. PROVI	FELECTRICAL VOLT DE NEW ROOF CUR LL WITH MANUFACT	B, MINIMUM T	WELVE (12").		TO ORDER	NG.							2. EXTI 3. INTE	NG MOUNTE ND DISCHAR RLOCK WITH	GE DUCT LIGHT SW	THROUG /ITCH	H ROOF	. PROVID	DE WEATHE	ERPROOF

IDENTIFICATION	CONDUIT	USE	INSULATION TYPE & VAPOR BARRIER	THICKNESS	JACKET
FRESH AIR	ROUND / OVAL	UP TO THE MIXING BOX / COIL	MICROLITE 75 TYPE C/W VAPOR BARRIER FSK	2"	NONE
CONCEALED	RECTANGULAR	UP TO THE MIXING BOX / COIL	SPIN GLAS MODEL 813 C/W VAPOR BARRIER FSK	2"	NONE
EXHAUST CONCEALED	ROUND / OVAL	10'-0" FROM OUTSIDE	MICROLITE 75 TYPE C/W VAPOR BARRIER FSK	2"	NONE
	RECTANGULAR	10'-0" FROM OUTSIDE	SPIN GLAS MODEL 813 C/W VAPOR BARRIER FSK	2"	NONE
CONCEALED	ROUND / OVAL	FULL LENGTH INCLUDING PLENUM BOX	MICROLITE 75 TYPE C/W VAPOR BARRIER FSK	2"	NONE
SUPPLY	RECTANGULAR FULL LENGTH INCLUDING PLENUM E		SPIN GLAS MODEL 813 C/W VAPOR BARRIER FSK	2"	NONE
RETURN CONCEALED/EXPOSED	RECTANGULAR	FULL LENGTH INCLUDING PLENUM BOX	SPIN GLAS MODEL 813 C/W VAPOR BARRIER FSK	2"	N/A

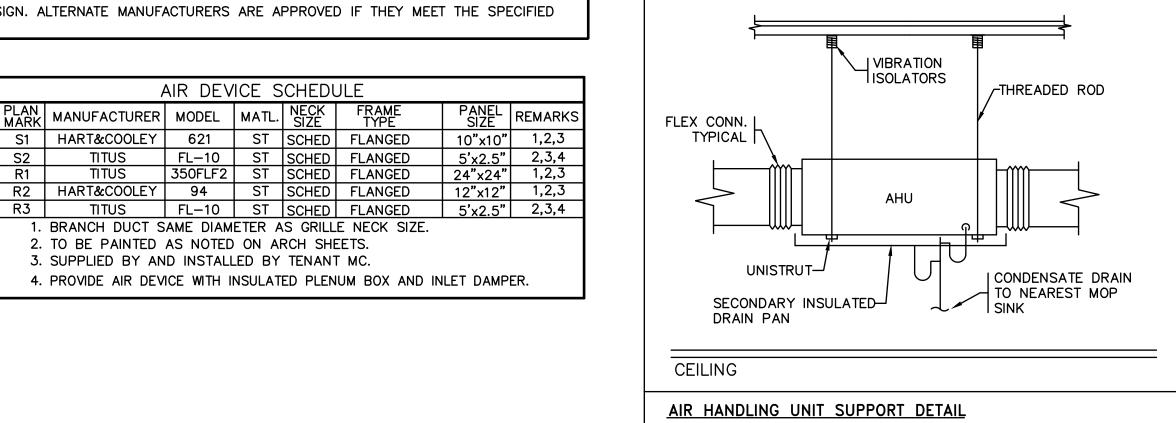
	SER NECK SCHEDULE
NECK SIZE	CFM
6"ø	0 - 100
8"ø	110 – 250
10"ø	260 - 400
12"ø	410 - 600
14"ø	610 — 1000
16"ø	1010 — 1400

FAN SCHEDULE											
				ESP	MOTOR WEIGHT						
MARK	MAKE	MODEL	CFM	IN.W.G.	SONES	DRIVE	RPM	HP	V/PH/HZ	LBS.	REMARKS
EF-1	GREEN HECK	SP-LP0511-1	50	0.5	_	DIRECT	685	12 W	115/1/60	8	1,2,3*

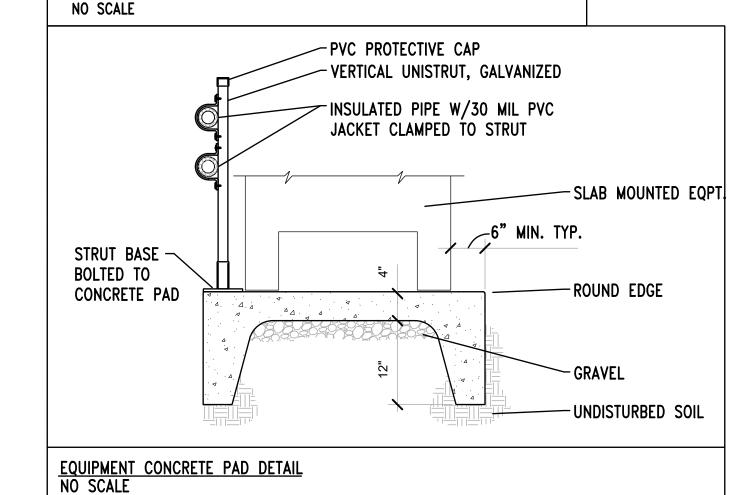
INTEGRAL GRILLE, DISCONNECT, BACKDRAFT DAMPER AND VIBRATION ISOLATION MOUNTING. ROUGH ROOF. PROVIDE WEATHERPROOF COLLAR, FLASHING, AND ROOF HOOD.

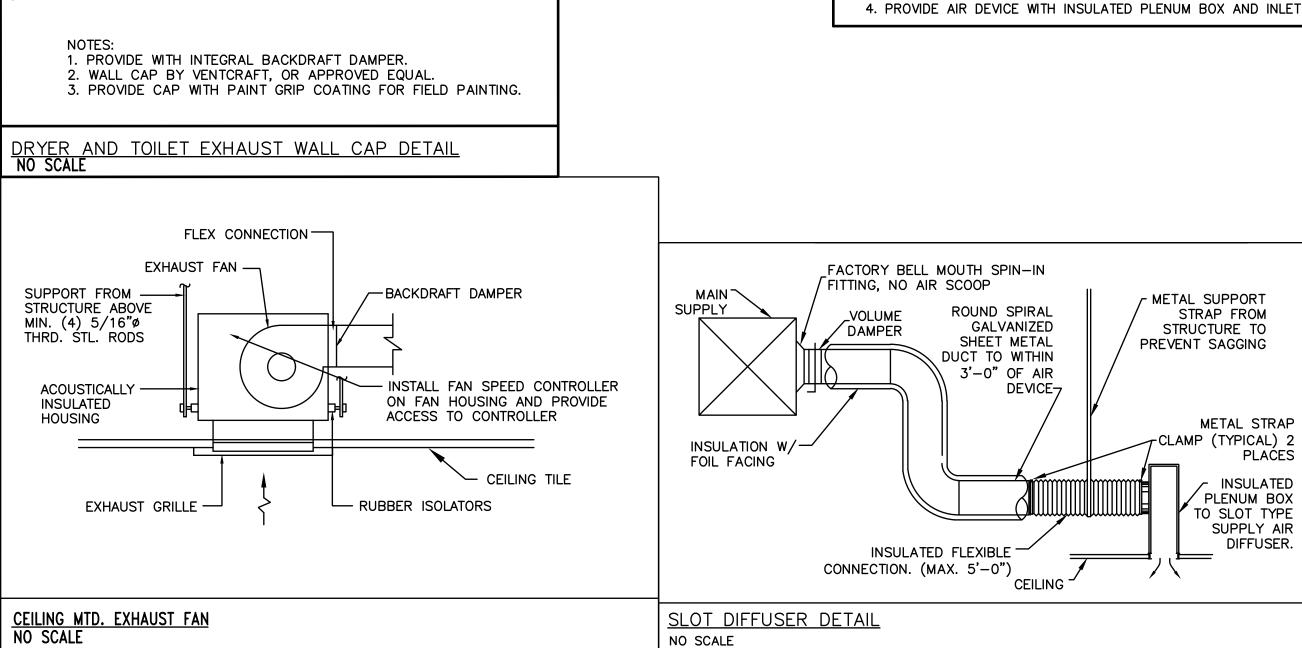
UNIT SPECIFICATION IS FOR BASIS OF DESIGN. ALTERNATE MANUFACTURERS ARE APPROVED IF THEY MEET THE SPECIFIED

GENERAL NOTE LISTED MANUFACTURERS ARE BASIS OF DESIGN AND OTHER APPROVED MANUFACTURERS ARE LISTED IN THE SPECIFICATIONS.



NO SCALE

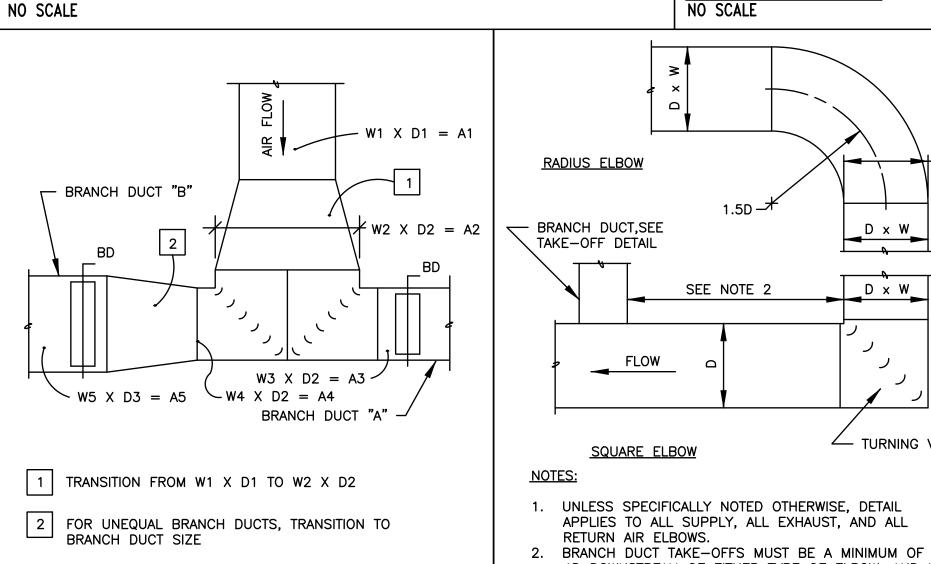




-4"ø OR 5"ø DRYER VENT 4"ø TO 5"ø TOILET

EXHAUST DUCT ROUTED TO

A 4"Ø AT THE WALL CAP



TRANSITION TO BRANCH SIZE

TRANSITION -TO BRANCH

-BRANCH DUCT

-BRANCH DUCT

BRANCH DUCT TAKEOFFS AND TRANSITIONS

FLOW

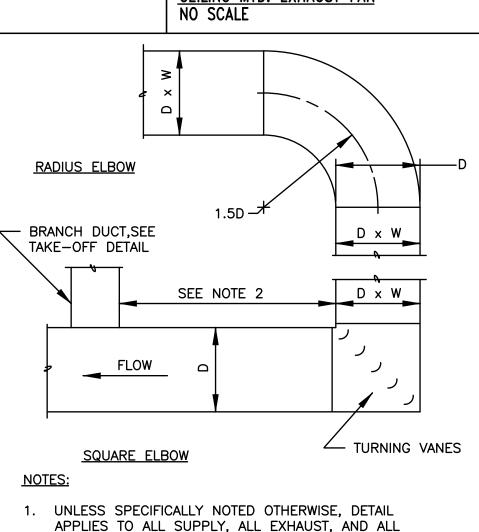
RADIUS ELBOW

<u>SQUARE VANED</u>

TRANSITIONS

1. DETAIL IS APPLICABLE TO SUPPLY

AIR BRANCH DUCT TAKE-OFFS.

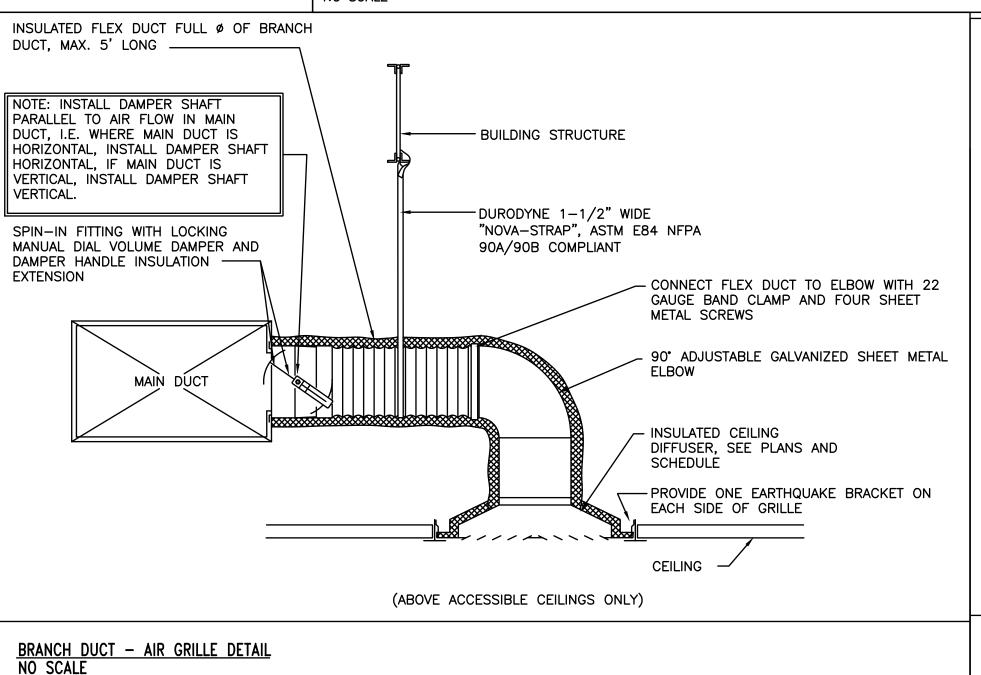


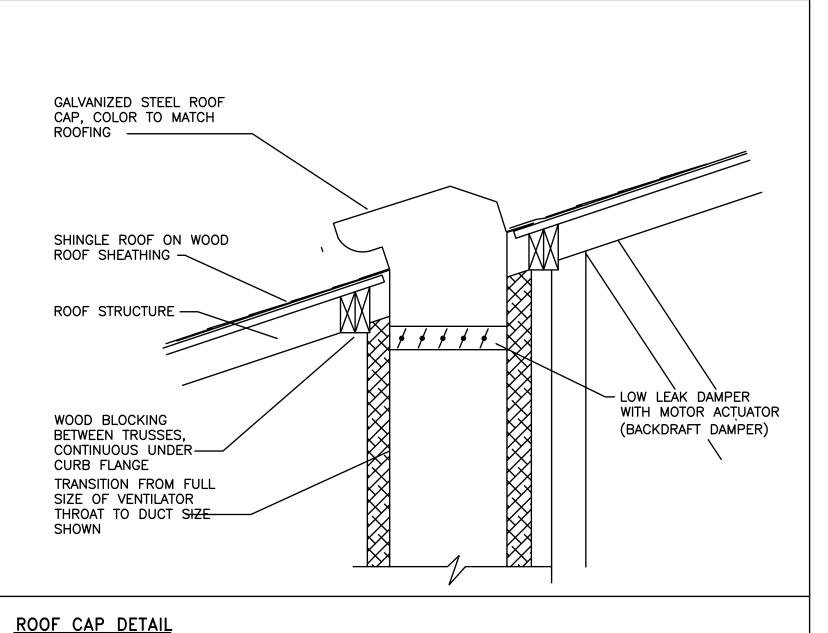
4D DOWNSTREAM OF EITHER TYPE OF ELBOW, AND NOT

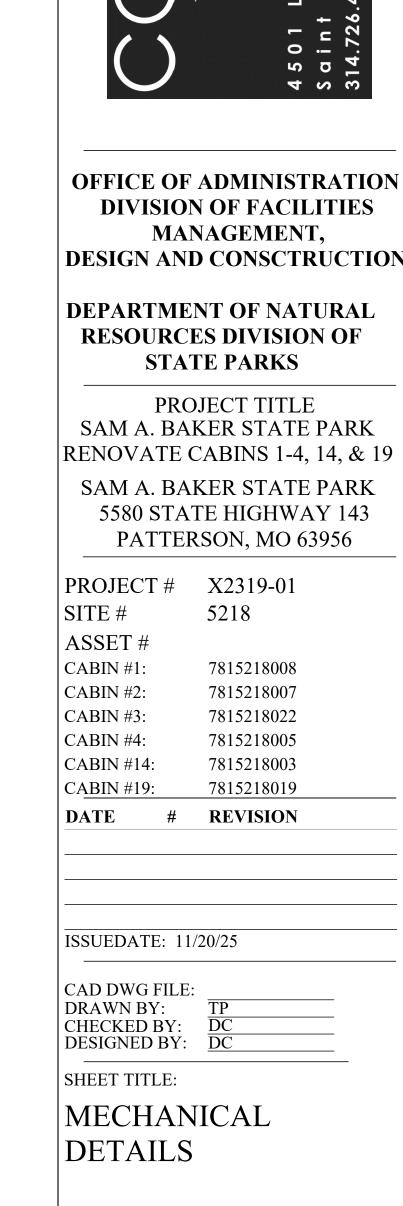
RETURN AIR ELBOWS.

DUCT ELBOW NO SCALE

LESS THAN 3D UPSTREAM.







STATE OF MISSOURI MIKE KEHOE, **GOVERNOR**







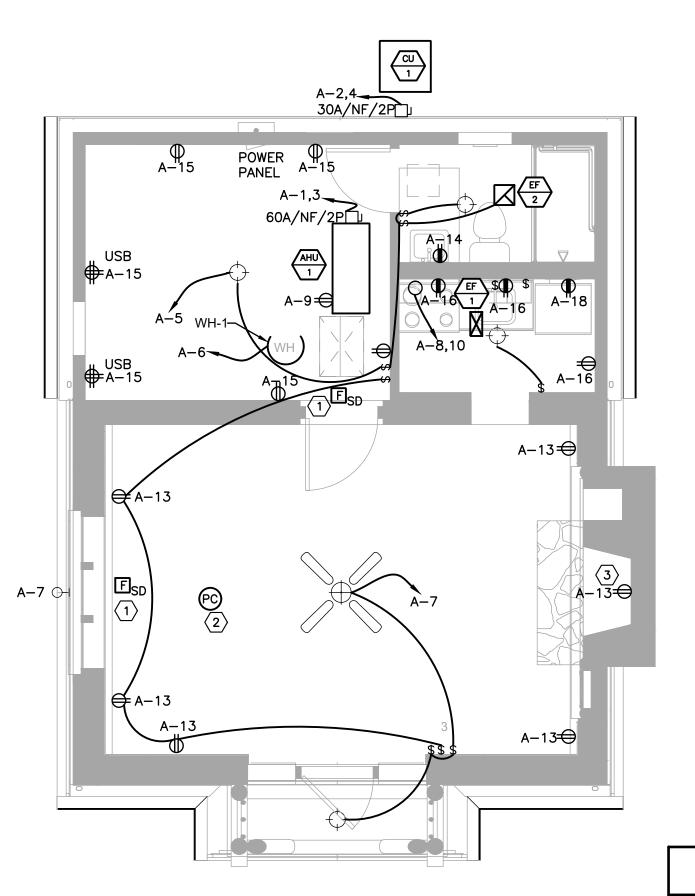
DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSCTRUCTION**

DEPARTMENT OF NATURAL RESOURCES DIVISION OF STATE PARKS

PROJECT TITLE SAM A. BAKER STATE PARK RENOVATE CABINS 1-4, 14, & 19 SAM A. BAKER STATE PARK 5580 STATE HIGHWAY 143 PATTERSON, MO 63956

7815218008 7815218007 7815218022 7815218005 7815218003 7815218019 # REVISION

SHEET NUMBER:



GENERAL NOTE

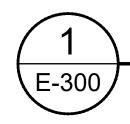
NO EXPOSED CONDUIT PERMITTED. ALL WIRE TO BE TYPE MC.

KEYED NOTES

CEILING MOUNTED COMBINATION SMOKE DETECTOR. 120V WITH INTEGRAL BATTERY BACKUP. FIRST ALERT MODEL SC9120 OR APPROVED EQUAL BY BRK. PROVIDE INTERCONNECTING WIRING BETWEEN ALL DETECTORS SUCH THAT WHEN ANY ONE DETECTOR IS ACTIVATED, ALL DETECTORS SOUND AN ALARM.

PHOTOCELL TO BE PROVIDED BY EC FOR DIMMING/AUTOMATIC CONTROL FOR EXTERIOR LIGHT FIXTURE CONTROL.

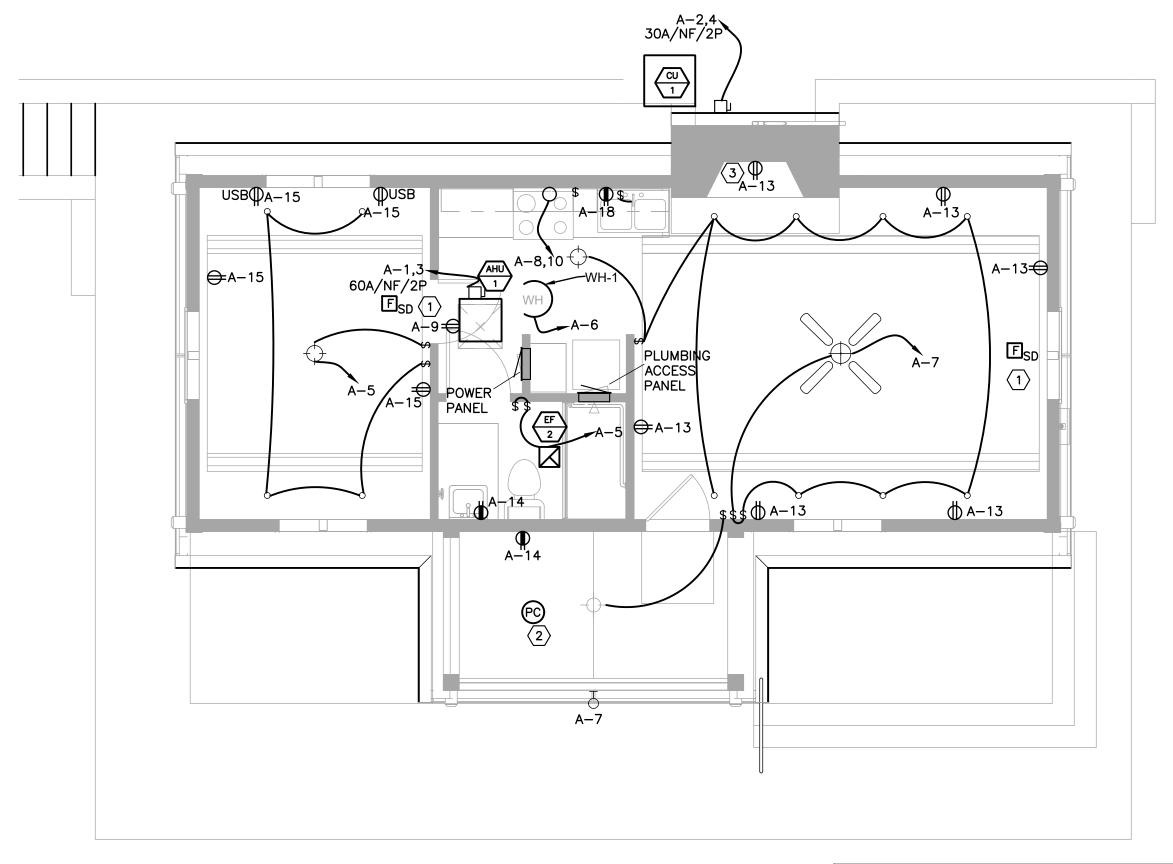
3 EC TO DRILL AND PROVIDE A GALVANIZED STEEL CONDUIT/SLEEVE FOR THE CHIMNEY FLUE FROM THE CEILING DOWN TO THE FIREBOX FLOOR. ELECTRICAL CABLE HSALL BE M/C CABLE RUN THROUGH THE CONDUIT SLEEVE AND GROUTED TO KEEP INSECTS OUT.



ELECTRICAL POWER AND LIGHTING PLAN

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

MOUNT: FLUSH 120/240		1-PHASE, 3W	PANEL			-	1	CAPACITY: 200A			INT CAP: EXISTING							
LOCATION:						LUGS: MCI			MCI	B DEMAND LOAD: 128A				AV. FAULT: EXISTING				
СКТ	LTG	REC	HVAC	MISC KIT		DESCRIPTION	AMP	POLE	ф	AMP	POLE	DESCRIPTION	LTG	REC	HVAC	MISC	KIT	CKT
1			6.6			AIIII 4		60 2 A		25 2	2	CU-1			1.9			2
3			6.6			AHU-1		-	В	23	2	CO-1			1.9			4
5			0.9			LIGHTING/EF2	20	1	Α	20	1	WATER HEATER				2.0		6
7			0.9			LIGHTING/EF1		1	В	60	2	2 ELECTRIC RANGE					4.8	8
9		0.2				HVAC RECEPTACLE	20	1	Α	00	_	ELECTRIC NAME					4.8	10
11						SPARE	20	1	В	20	1	MICROWAVE					1.6	12
13						LIVING RM RECEPTS.	20	1	Α	20	1	RR RECEPT.						14
15						BEDROOM RECEPTACLES	20	1	В	20	1	KITCHEN RECEPT.					8.0	16
17						SPARE	20	1	Α	20	1	FRIDGE						18
19						SPARE	20	1	В	20	1	SPARE						20
21						SPARE	20	1	Α	20	1	SPARE						22
23						SPARE	20	1	В	20	1	SPARE						24
25						SPARE	20	1	Α	20	1	SPARE						26
27						SPARE	20	1	В	20	1	SPARE						28
29						SPARE	20	1	Α	20	1	SPARE						30
PHASE BALANCE		LOAD	LOAD TYPE CONNECTED		DEMAND)	DEMAND FORMULA					TOTAL	LOAD			
		LIGHTING		0.0 KVA	0.0 KVA			LOAD X 125% NEC 210.19 CONTINUOUS				CONN	CONNECTED DEM		AND			
ф	LO	AD	%	RECEPTACLE		0.2 KVA	0.2 KVA			10KVA + 50% REMAINDER NEC 220.44					33.0 KVA 30.6		KVA	
Α	16.4	KVA	33%	HVAC		18.8 KVA	18.8 KVA			LOAD X 100% (USED MCA IN CALCULATION)				137	137.7A 127.7		.7A	
В	16.6 KVA 34% MISC		sc	2.0 KVA		2.0 KVA			LOAD X 100% NEC 210.19 NON-CONT.					Δ	SI	E		
С	C 16.4 KVA 33%		KIT		12.0 KVA	9.6 KVA				80% PER NEC TABLE 220.56					ginee	ring I	nc.	



KITCHEN RECEPTACLE NOTES

- ALL KITCHEN SINGLE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 50 AMPERES OR LESS AND THREE PHASE RECEPTACLES RATED 150 VOLTS TO GROUND OR LESS, 100 AMPERES OR LESS SHALL HAVE GROUND—FAULT CIRCUIT—INTERRUPTER PROTECTION FOR PERSONNEL PER NEC SECTION 210.8 (B) (1)—(10).
- 2. ALL GFCI RECEPTACLES SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION OR A GFCI CIRCUIT BREAKER OR A DEAD FRONT GFI DEVICE INSTALLED IN A READILY ACCESSBILE LOCATION SHALL USED TO FEED THE CIRCUIT NOTED.
- ALL 125V, 15A AND 20A CIRCUITS TO KITCHEN EQUIPMENT SHALL BE FED WITH A DEDICATED NEUTRAL WIRE.

POWER PLAN GENERAL ELECTRICAL NOTES

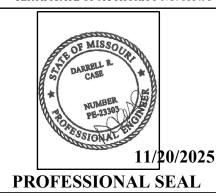
- 1. EXACT LOCATION, CUT-OUTS AND MOUNTING HEIGHTS FOR WIRING DEVICES IN CASEWORK SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
- 2. VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO BID. NOTIFY OWNER OF ANY DISCREPANCIES. IF ACCEPTABLE TO OWNER'S REPRESENTATIVE, EXISTING EQUIPMENT MAY BE RE-USED. IF NOT ACCEPTABLE, FURNISH AND INSTALL NEW.
- 3. ALL RECEPTACLES, DATA AND TELEPHONE OUTLETS ARE TO BE MOUNTED AT +18" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
- PRIOR TO CONNECTION EC SHALL VERIFY THE VOLTAGE AND AMPERAGE REQUIREMENTS OF ALL EQUIPMENT DELIVERED TO THE SITE. EC SHALL NOTIFY OWNER OF ANY DIFFERENCE.
- 5. EC TO VERIFY PLUG TYPE, AMPERAGE, VOLTAGE, AND LOCATION PRIOR TO BID AND ROUGH IN.
- 6. EC TO VERIFY ALL POWER REQUIREMENTS WITH EQUIPMENT MANUFACTURER. PROVIDE HACR BREAKERS AS REQUIRED.
- 7. WHEN POSSIBLE, OUTLETS TO BE MOUNTED ABOVE BACKSPLASH FOR COUNTER TOP EQUIPMENT AND BELOW COUNTER FOR UNDER COUNTER EQUIPMENT. PROVIDE POWER BELOW COUNTER FOR FRONT SERVING LINE COUNTER TOP EQUIPMENT. SEE ARCHITECTURAL DRAWINGS FOR COUNTER TOP HEIGHTS.

ELECTRICAL SYMBOLS

ELECTRICAL SYMBOLS							
SYMBOL	DESCRIPTION						
AC CL C	ABOVE COUNTER						
CLG GC	CEILING MOUNTED GENERAL CONTRACTOR						
EC	ELECTRICAL CONTRACTOR						
MC	MECHANICAL CONTRACTOR						
WP	WEATHERPROOF						
GFI	GROUND FAULT CURRENT INTERRUPTER PROTECTED DEVICE						
AFF	ABOVE FINISHED FLOOR						
PROVIDE	FURNISH AND INSTALL COMPLETE						
(JUNCTION BOX, MOUNTING HEIGHT						
\Rightarrow	20A, 1P, 125V, GROUNDING TYPE DUPLEX RECEPTACLE (+18" AFF UNO)						
#	20A, 1P, 125V, GROUNDING TYPE DOUBLE DUPLEX RECEPTACLE						
\ominus	20A, 1P, 125V, GFCI TYPE DUPLEX RECEPTACLE						
	SPECIAL USE RECEPTACLE, COORDINATE WITH EQUIPMENT SUPPLIER						
Sm.	CEILING MOUNTED EXHAUST FAN WITH MANUAL DISCONNECT						
□30/NF/3	DISCONNECT SWITCH: 30 AMP, NON-FUSED, 3 POLE						
\$	LIGHT SWITCH						
\$ ₃	LIGHT SWITCH (3 WAY)						
\$ ₄	LIGHT SWITCH (4 WAY)						
\$os	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH AT 3'-6" AFF TO CENTERLINE (WATT STOPPER #DW100-WH OR EQUAL)						
lack	COMMUNICATIONS JUNCTION BOX FOR DATA/COMM. DEVICE PLATE. EC TO ROUTE 3/4" CONDUIT WITH PULL STRING TO 6" ABOVE ACCESSIBLE CEILING AND BEND AT 90° TOWARDS TTB. EC TO PROVIDE PLASTIC BUSHING ON END OF CONDUIT.						
+12"	12" ABOVE FINISHED FLOOR TO CENTERLINE						

STATE OF MISSOURI MIKE KEHOE, GOVERNOR







OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSCTRUCTION

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RENOVATE CABINS 1-4, 14, & 19
SAM A. BAKER STATE PARK
5580 STATE HIGHWAY 143
PATTERSON, MO 63956

PROJECT # X2319-01 SITE # 5218 ASSET # CABIN #1: 7815218008

CABIN #1: 7813218008 CABIN #2: 7815218007 CABIN #3: 7815218022 CABIN #4: 7815218005 CABIN #14: 7815218003

7815218019

DATE # REVISION

ISSUEDATE: 11/20/25

CAD DWG FILE: DRAWN BY: CHECKED BY: DESIGNED BY:

CABIN #19:

SHEET TITLE:

ELECTRICAL POWER AND LIGHTING PLAN

SHEET NUMBER:

E-300