

# UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701



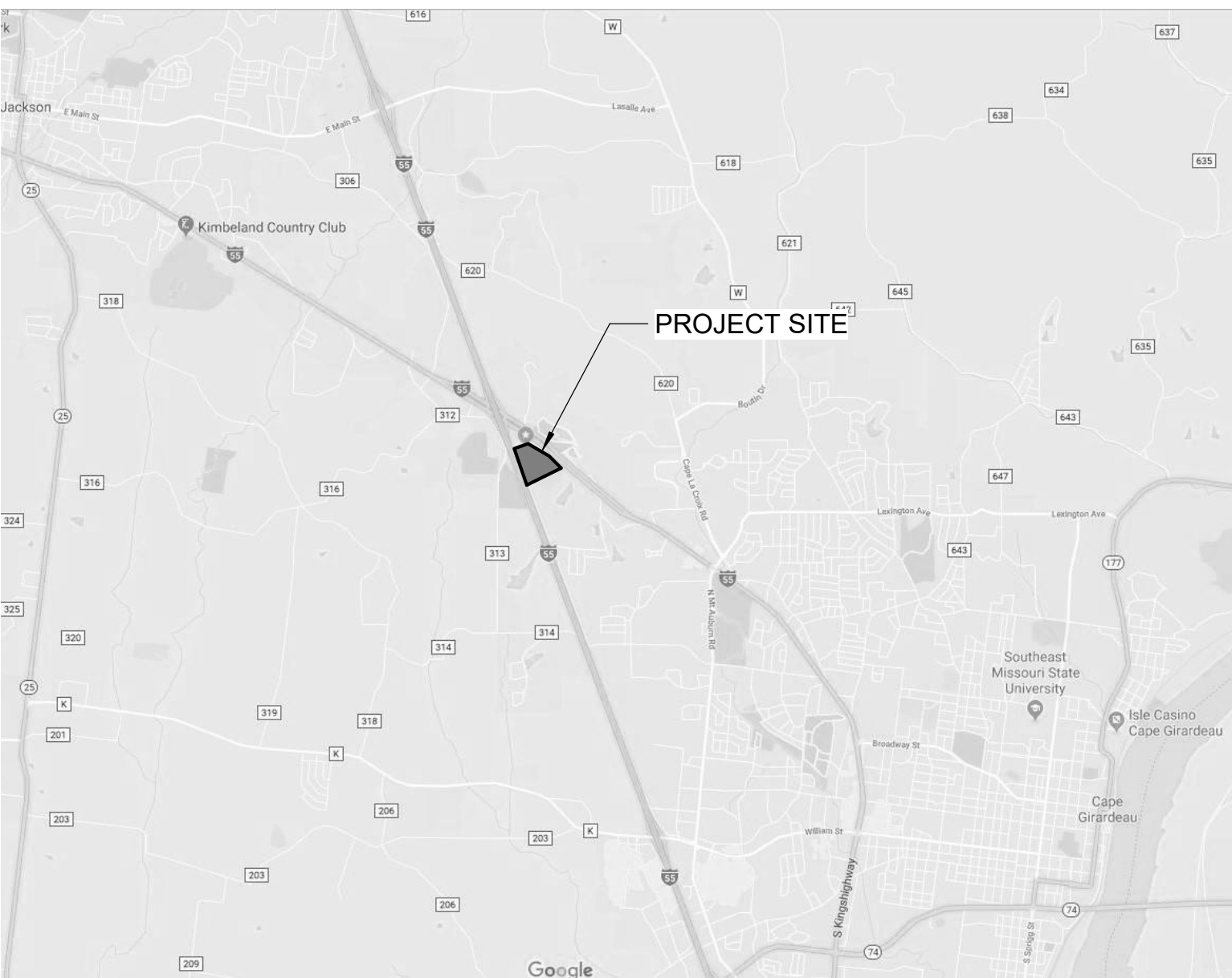
20 Allen Avenue, Suite 200 - St Louis, Missouri 63119 - Phone: (314) 962-7900 / info@f-w.com

MISSOURI STATE CERTIFICATE OF AUTHORITY #000744

**OWNER:**  
**STATE OF MISSOURI**  
**MICHAEL L. PARSON,**  
**GOVERNOR**

**MISSOURI VETERAN'S**  
**COMMISSION**

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



**DESIGNER:**  
**FARNSWORTH GROUP**

**PROJECT NUMBER:** #U1805-01  
**FAI NUMBER:** 29-043

**SITE NUMBER:** 6803  
**ASSET NUMBER:** 8136803002

SHEET NUMBER:

**G-001**

SHEET 1 OF 197  
ISSUE DATE: 08/15/2024



DEFERRED SUBMITTALS

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

1. FIRE SPRINKLER SYSTEMS
2. FIRE ALARM SYSTEMS
3. PRE-ENGINEERED HEAVY TIMBER FRAMING.
  - A. ENTRY CANOPY AND PORTE COCHERE COLUMNS & FRAMING.
  - B. PORCH COLUMNS AND FRAMING

BID ALTERNATES

REFERENCE SECTION 01 2300 OF THE PROJECT MANUAL FOR THE SCHEDULE OF BID ALTERNATES TO BE INCLUDED WITH THE BID PACKAGE

1. INFECTIOUS DISEASE WARD - COVID 19 CONSTRUCTION GRANT
2. PERIMETER FENCE
3. RESTROOM ADDITIONS

SYMBOL LEGEND

##	TYPICAL KEYNOTE	MATL 1'-0"	CEILING/ SOFFIT HEIGHT
D#	DEMOLITION KEYNOTE	T#	TOILET ACCESSORY
101-1	DOOR NUMBER	#	WINDOW TYPE
#	WALL TYPE	#	FRAME TYPE
12/6	ROOF PITCH SYMBOL	SLOPE: 1/4"	SLOPE/ROOF SLOPE

GENERAL SYMBOL LEGEND

DETAIL # PAGE # 	1 A8.1 WALL SECTION SYMBOL	DETAIL # PAGE # 	1 A8.1 INTERIOR ELEVATION SYMBOL		REVISION NOTE
DETAIL # PAGE # 	1 A8.1 BUILDING SECTION SYMBOL	DETAIL # PAGE # 	1 A8.1 EXTERIOR ELEVATION SYMBOL		BREAK LINE
DETAIL # PAGE # 	1 A8.1 DETAIL SECTION SYMBOL		XX.X COLUMN GRID		TRUE NORTH ARROW
			XX.X WALL GRID (REPRESENTS FACE OF EXISTING WALL)		PROJECT NORTH ARROW
			ELEVATION 0'-0"		TYPICAL GRAPHIC SCALE
			ROOM NAME 101A ROOM DESIGNATION SYMBOL		

ABBREVIATIONS

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

DRAWING LIST

GENERAL	COVER
G-001	GENERAL INFORMATION
G-002	FIRST FLOOR LIFE SAFETY PLAN
G-003	PHASING PLAN
CIVIL	
C-001	CIVIL GENERAL NOTES
C-002	EXISTING CONDITIONS
C-003	DEMOLITION
C-004	LAYOUT AND HARDSCAPE PLAN
C-005	PAVEMENT JOINTING
C-006	GRADING AND UTILITY PLAN
C-007	FENCE LAYOUT - ALTERNATE #2
C-008	DETAILS
LANDSCAPE	
L-101	HARDSCAPE MATERIALS PLAN - NORTH
L-102	HARDSCAPE MATERIALS PLAN - SOUTH
L-201	HARDSCAPE DETAILS
L-301	PLANTING PLAN - NORTH
L-302	PLANTING PLAN - SOUTH
L-401	PLANTING DETAILS

STRUCTURAL	
S-001	GENERAL STRUCTURAL NOTES
S-002	GENERAL STRUCTURAL NOTES
S-003	SPECIAL INSPECTIONS
S-101	FOUNDATION PLAN CENTRAL CORE
S-102	FOUNDATION PLAN WING A
S-103	FOUNDATION PLAN WING B
S-104	FOUNDATION PLAN WING C
S-201	FRAMING PLAN CENTRAL CORE
S-202	FRAMING PLAN WING A
S-203	FRAMING PLAN WING B
S-204	FRAMING PLAN WING C
S-205	STRUCTURAL PLANS MECH. MEZZ.
S-206	FRAMING ELEVATIONS
S-207	FRAMING ELEVATIONS
S-208	FRAMING ELEVATIONS
S-301	FOUNDATION DETAILS
S-302	FOUNDATION DETAILS
S-401	FRAMING DETAILS
S-402	FRAMING DETAILS
S-403	FRAMING DETAILS

ARCHITECTURAL	
A-001	PARTITION TYPES
A-002	FIRE RATED ASSEMBLIES
A-101	OVERALL DEMO PLAN
A-102	ENLARGED DEMO PLAN - CENTRAL CORE
A-103	ENLARGED DEMO PLAN - WING A
A-104	ENLARGED DEMO PLAN - WING B
A-105	ENLARGED DEMO PLAN - WING C
A-106	ENLARGED DEMO PLAN - ANNEX
A-107	ROOF DEMO PLAN
A-108	OVERALL FLOOR PLAN
A-109	ENLARGED FLOOR PLAN - CENTRAL CORE
A-110	ENLARGED FLOOR PLAN - WING A
A-111	ENLARGED FLOOR PLAN - WING B
A-112	ENLARGED FLOOR PLAN - WING C
A-113	ENLARGED FLOOR PLAN - ANNEX & CORE MEZZANINES
A-114	ROOF PLAN
A-115	ENLARGED PLANS
A-116	ENLARGED PLANS & ROOM ADDITIONS
A-117	ENLARGED PLANS
A-118	WING ROOM ADDITION - ALTERNATE #3
A-201	EXTERIOR ELEVATIONS
A-202	EXTERIOR ELEVATIONS
A-203	EXTERIOR ELEVATIONS - MAINTENANCE SHED & BUS PARK
A-301	BUILDING SECTIONS
A-302	BUILDING SECTIONS
A-303	ENTRY CANOPY & ROOF GABLE SECTIONS & DETAILS
A-401	WALL SECTIONS
A-402	WALL SECTIONS
A-403	WALL SECTIONS
A-404	WALL SECTIONS
A-405	ENLARGED SECTION DETAILS
A-406	MAIN STREET ELEVATIONS
A-407	MAIN STREET ELEVATIONS AND DETAILS
A-408	MAIN STREET DETAILS
A-409	DINING ROOM ELEVATIONS
A-410	INTERIOR ELEVATIONS
A-411	INTERIOR ELEVATIONS
A-412	LOBBY FIREPLACE AND FAUX BEAM DETAILS
A-413	LOBBY AND ADMIN. ELEVATIONS & DETAILS
A-414	RCP DETAILS
A-415	CASEWORK DETAILS
A-416	CASEWORK DETAILS
A-417	CASEWORK DETAILS
A-501	ENLARGED PLAN DETAILS
A-601	DOOR SCHEDULE, ELEVATIONS
A-602	DOOR DETAILS
A-603	WINDOW ELEVATIONS AND DETAILS
A-701	OVERALL DEMO REFLECTED CEILING PLAN
A-702	ENLARGED DEMO REFLECTED CEILING PLAN - CENTRAL CORE
A-703	ENLARGED DEMO REFLECTED CEILING PLAN - WING A
A-704	ENLARGED DEMO REFLECTED CEILING PLAN - WING B
A-705	ENLARGED DEMO REFLECTED CEILING PLAN - WING C
A-706	OVERALL REFLECTED CEILING PLAN
A-707	ENLARGED REFLECTED CEILING PLAN - CENTRAL CORE
A-708	ENLARGED REFLECTED CEILING PLAN - WING A
A-709	ENLARGED REFLECTED CEILING PLAN - WING B
A-710	ENLARGED REFLECTED CEILING PLAN - WING C

DRAWING LIST

INTERIORS	
I-001	PRODUCT SCHEDULES, SYMBOLS AND ABBREVIATIONS
I-002	PRODUCT SCHEDULES, SYMBOLS AND ABBREVIATIONS
I-101	OVERALL FINISH PLAN
I-102	ENLARGED FINISH PLAN - CENTRAL CORE
I-103	ENLARGED FINISH PLAN - WING A
I-104	ENLARGED FINISH PLAN - WING B
I-105	ENLARGED FINISH PLAN - WING C
I-201	ENLARGED FINISH PLANS AND DETAILS
I-202	ENLARGED FINISH PLANS AND DETAILS
I-301	ENLARGED SIGNAGE PLAN - CENTRAL CORE
I-302	ENLARGED SIGNAGE PLAN - WING A
I-303	ENLARGED SIGNAGE PLAN - WING B
I-304	ENLARGED SIGNAGE PLAN - WING C
I-305	INTERIOR SIGNAGE DETAILS
I-306	INTERIOR SIGNAGE DETAILS
I-401	FURNITURE PLAN - CENTRAL CORE
I-402	FURNITURE PLAN - WING A
I-403	FURNITURE PLAN - WING B
I-404	FURNITURE PLAN - WING C

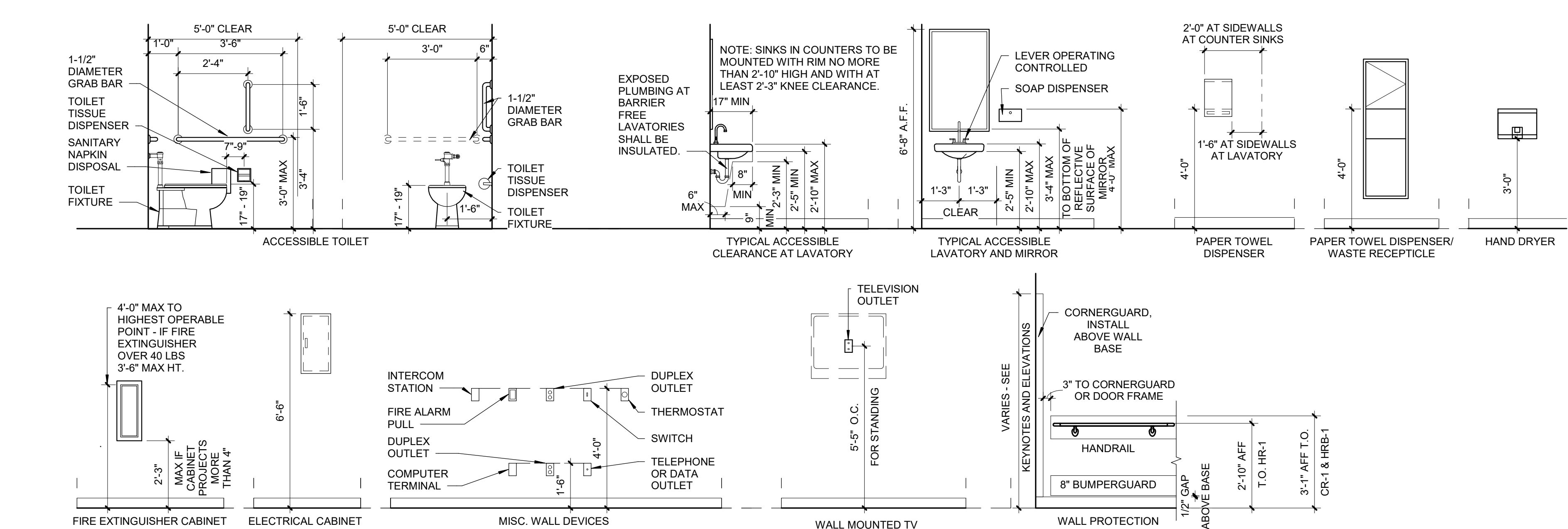
FIRE PROTECTION	
F-001	FIRE PROTECTION GENERAL INFORMATION
F-101	CENTRAL CORE PARTIAL FIRE PROTECTION PLAN
F-102	WING A PARTIAL FIRE PROTECTION PLAN
F-103	WING B PARTIAL FIRE PROTECTION PLAN
F-104	WING C PARTIAL FIRE PROTECTION PLAN
F-105	FIRE PROTECTION ROOF PLAN

PLUMBING	
P-001	PLUMBING GENERAL INFORMATION
P-101	CENTRAL CORE PARTIAL PLUMBING DEMOLITION PLAN
P-102	WING A PARTIAL PLUMBING DEMOLITION PLAN
P-103	WING B PARTIAL PLUMBING DEMOLITION PLAN
P-104	WING C PARTIAL PLUMBING DEMOLITION PLAN
P-105	CENTRAL CORE PARTIAL PLUMBING PLAN
P-106	WING A PARTIAL PLUMBING PLAN
P-107	WING B PARTIAL PLUMBING PLAN
P-108	WING C PARTIAL PLUMBING PLAN
P-401	PARTIAL ENLARGED PLUMBING PLANS
P-601	PLUMBING SCHEDULES

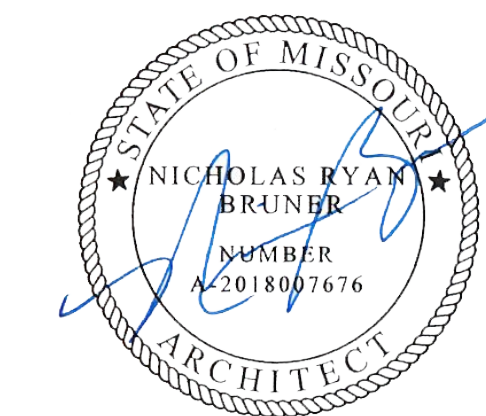
MECHANICAL	
M-001	MECHANICAL GENERAL INFORMATION
M-102	CENTRAL CORE MECHANICAL DEMOLITION PLAN
M-103	WING A MECHANICAL DEMOLITION PLAN
M-104	WING B MECHANICAL DEMOLITION PLAN
M-105	WING C MECHANICAL DEMOLITION
M-106	WING C MECHANICAL DEMOLITION PLAN ALTERNATE 1
M-107	CENTRAL CORE VENTILATION PLAN
M-108	WING A VENTILATION PLAN
M-109	WING B VENTILATION PLAN
M-110	WING C VENTILATION PLAN
M-111	MECHANICAL ROOF PLAN
M-112	CENTRAL CORE HYDRONIC PLAN
M-113	WING A AND C HYDRONIC PLAN
M-114	ALTERNATE 1 INFECTIOUS DISEASE VENTILATION PLAN
M-115	ALTERNATE 1 INFECTIOUS DISEASE HYDRONIC PLAN
M-116	ALTERNATE 1 ROOF PLAN
M-301	MECHANICAL SECTIONS
M-302	MECHANICAL SECTIONS
M-401	ENLARGED MECHANICAL PLANS
M-501	MECHANICAL DETAILS
M-502	MECHANICAL DETAILS
M-503	MECHANICAL DETAILS
M-601	MECHANICAL SCHEDULES
M-602	MECHANICAL SCHEDULES (CONTD)
M-603	MECHANICAL GENERAL INFORMATION
M-604	CONTROLS DIAGRAMS
M-605	CONTROLS DIAGRAMS
M-606	INFECTIOUS DISEASE CONTROLS DIAGRAMS - ALTERNATE 1
M-607	INFECTIOUS DISEASE CONTROLS DIAGRAMS - ALTERNATE 1

ELECTRICAL	
E-001	ELECTRICAL SYMBOLS
E-002	ELECTRICAL GENERAL NOTES AND ABBREVIATIONS
E-101	LIGHTING DEMOLITION PLAN - CORE
E-102	LIGHTING DEMOLITION PLAN - WING A
E-103	LIGHTING DEMOLITION PLAN - WING B
E-104	LIGHTING DEMOLITION PLAN - WING C
E-105	POWER DEMOLITION PLAN - CORE
E-106	POWER DEMOLITION PLAN - WING A
E-107	POWER DEMOLITION PLAN - WING B
E-108	POWER DEMOLITION PLAN - WING C
E-109	SYSTEMS DEMOLITION PLAN - CORE
E-110	SYSTEMS DEMOLITION PLAN - WING A
E-111	SYSTEMS DEMOLITION PLAN - WING B
E-112	SYSTEMS DEMOLITION PLAN - WING C
E-113	ELECTRICAL SITE PLAN
E-114	LIGHTING PLAN - CORE
E-115	LIGHTING PLAN - WING A
E-116	LIGHTING PLAN - WING B
E-117	LIGHTING PLAN - WING C
E-118	NOT USED
E-119	POWER PLAN - CORE
E-120	POWER PLAN - WING A
E-121	POWER PLAN - WING B
E-122	POWER PLAN - WING C
E-123	POWER PLAN - ALTERNATE 1 INFECTIOUS DISEASE
E-124	ELECTRICAL ROOF PLAN
E-125	SYSTEMS PLAN - CORE
E-126	SYSTEMS PLAN - WING A
E-127	SYSTEMS PLAN - WING B
E-128	SYSTEMS PLAN - WING C
E-501	ELECTRICAL DETAILS
E-601	ONE-LINE DIAGRAM
E-602	ELECTRICAL SCHEDULES
E-603	ELECTRICAL SCHEDULES
E-604	ELECTRICAL SCHEDULES WING A
E-605	ELECTRICAL SCHEDULES WING B
E-606	ELECTRICAL SCHEDULES WING C
E-607	ELECTRICAL SCHEDULES

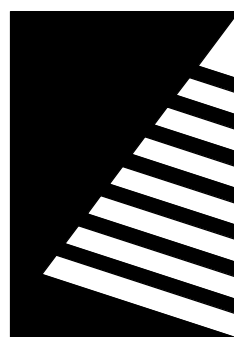
STANDARD MOUNTING HEIGHTS



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JH

SHEET TITLE:

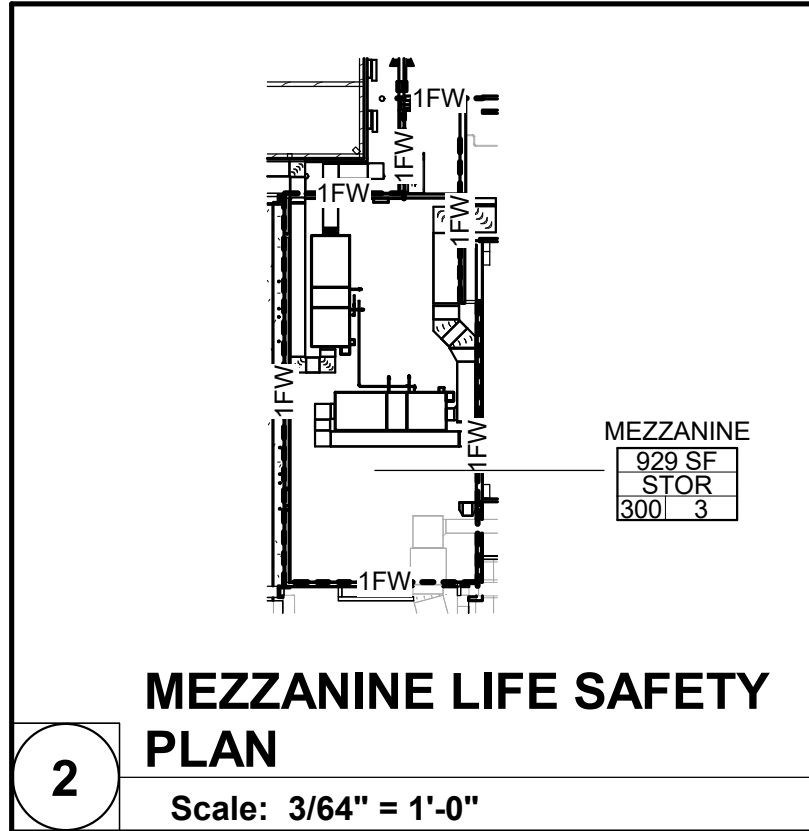
**GENERAL  
INFORMATION**

SHEET NUMBER:

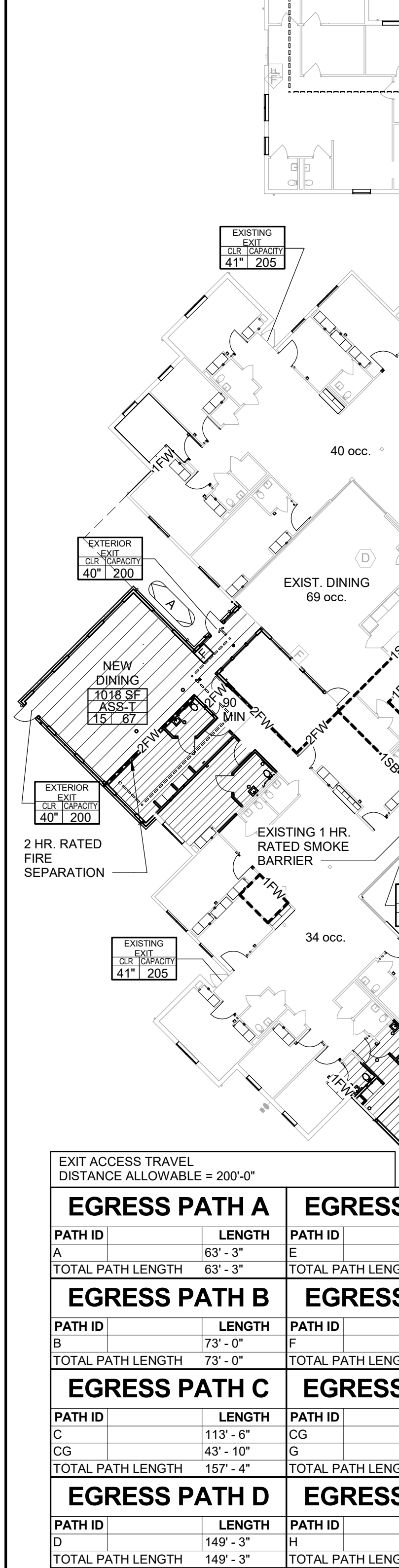
**G-002**

SHEET 2 OF 197  
ISSUE DATE: 08/15/2024





MEZZANINE LIFE SAFETY PLAN  
Scale: 3/64" = 1'-0"



FIRST FLOOR LIFE SAFETY PLAN  
Scale: 3/64" = 1'-0"

AREA AND HEIGHT REQUIREMENTS:

AGGREGATE FLOOR AREAS (per TABLE 503):			
Central Core	EXISTING	NEW	TOTAL
BUSINESS	11,553 SF	0 SF	11,553 SF
ASSEMBLY	14,529 SF	3,944 SF	18,473 SF

AREA ALLOWED = 38,000 SF PER STORY  
AREA TOTAL = 30,026 SF  
ALLOWABLE HEIGHT = 50'-0"  
BUILDING HEIGHT = 40'-0"

AREA AND HEIGHT REQUIREMENTS:

AGGREGATE FLOOR AREAS (per TABLE 503):			
WING "A"	EXISTING	NEW	TOTAL
ASSEMBLY	1,341 SF	1,104 SF	2,445 SF
PATIENT CARE	16,995 SF	708 SF	17,703 SF

AREA ALLOWED = 38,000 SF PER STORY  
AREA TOTAL = 20,148 SF  
ALLOWABLE HEIGHT = 50'-0"  
BUILDING HEIGHT = 28'-0"

AREA AND HEIGHT REQUIREMENTS:

AGGREGATE FLOOR AREAS (per TABLE 503):			
WING "B"	EXISTING	NEW	TOTAL
PATIENT CARE	17,202 SF	467 SF	17,669 SF

AREA ALLOWED = 38,000 SF PER STORY  
AREA TOTAL = 17,669 SF  
ALLOWABLE HEIGHT = 50'-0"  
BUILDING HEIGHT = 28'-0"

AREA AND HEIGHT REQUIREMENTS:

AGGREGATE FLOOR AREAS (per TABLE 503):			
WING "C"	EXISTING	NEW	TOTAL
PATIENT CARE	16,826 SF	1,121 SF	17,947 SF

AREA ALLOWED = 38,000 SF PER STORY  
AREA TOTAL = 17,947 SF  
ALLOWABLE HEIGHT = 50'-0"  
BUILDING HEIGHT = 28'-0"

OCCUPANCY LEGEND

ASSEMBLY UNCONCENTRATED	INSTITUTIONAL
BUSINESS	STORAGE

**CENTRAL CORE = 575 OCCUPANTS**

**VA CLINIC - USE GROUP 'B' 44 OCCUPANTS**

**WING "A" - USE GROUP I-2 268 OCCUPANTS**

**WING "B" - USE GROUP I-2 116 OCCUPANTS**

**WING "C" - USE GROUP I-2 116 OCCUPANTS**

**LIFE SAFETY GENERAL NOTES**

A. SEE SHEETS G-002 FOR SYMBOLS AND ABBREVIATIONS.

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

C. SEE STRUCTURAL DRAWINGS FOR FRAMING INFORMATION & FRAMING DIMENSIONS. ALL DIMENSIONS ARE FOR REFERENCE ONLY. VERIFY ALL FRAMING WITH STRUCTURAL DRAWINGS.

D. REFER TO PLUMBING DRAWINGS FOR INFORMATION CONCERNING PLUMBING FIXTURES AND PIPING SYSTEM(S).

E. REFER TO MECHANICAL DRAWINGS FOR INFORMATION CONCERNING HVAC SYSTEM(S).

F. REFER TO ELECTRICAL DRAWINGS FOR INFORMATION CONCERNING POWER, LIGHTING AND COMMUNICATION SYSTEM(S).

G. REFER TO ELECTRICAL DRAWING FOR FIRE ALARM NOTIFICATION AND EMERGENCY EGRESS LIGHTING LOCATIONS.

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

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

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

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

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

M. ALL DUCTWORK, DIFFUSERS AND GRILLES PENETRATING FIRE-RATED WALLS, CEILINGS AND FLOORS SHALL HAVE THE APPROPRIATE TYPE OF FIRE/SMOKE DAMPER IN ACCORDANCE WITH THE TYPE OF CONSTRUCTION BEING PENETRATED AND THE FIRE/SMOKE RATING REQUIRED.

N. ALL LIGHT FIXTURES AND ELECTRICAL DEVICES PENETRATING FIRE-RATED ASSEMBLIES SHALL BE UL-LISTED FOR INSTALLATION IN THE ASSEMBLY OR SHALL BE INSTALLED SUCH THAT THE FIRE-RATING IS NOT COMPROMISED.

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

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

Q. AT ALL RATED DOORS, PROVIDE TEMPORARY RATED DOOR TO MEET OR EXCEED NEW CONSTRUCTION DOOR RATING REQUIREMENTS DURING CONSTRUCTION TO MAINTAIN REQUIRED FIRE SEPARATIONS.

**CODE INFORMATION**

PROPOSED USE OWNED BY: STATE

CODE ENFORCEMENT JURISDICTION: STATE

APPLICABLE CODES:

- 2021 INTERNATIONAL BUILDING CODE
- 2021 INTERNATIONAL ENERGY CONSERVATION CODE
- 2021 INTERNATIONAL MECHANICAL CODE
- 2021 INTERNATIONAL FIRE CODE
- 2020 NATIONAL ELECTRIC CODE (NFPA 70)
- NFPA 101 LIFE SAFETY CODE
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
- 2021 INTERNATIONAL PLUMBING CODE

GENERAL CODE INFORMATION

CONSTRUCTION TYPE: VA I-2

PRIMARY OCCUPANCY: B, A-3

MIXED USED OCCUPANCY: B, A-3

NEW CONSTRUCTION AND RENOVATION OF EXISTING BLDG SPRINKLERED

CONSTRUCTION TYPE VA (TABLE 601)

PRIMARY STRUCTURAL FRAME	1 HR
EXTERIOR BEARING WALLS	1 HR
INTERIOR BEARING WALLS	1 HR
NON-BEARING EXTERIOR WALLS	1 HR UNLESS GREATER THAN 30' AWAY
NON-BEARING INTERIOR WALLS	0 HR
FLOOR CONSTRUCTION	1 HR
ROOF CONSTRUCTION	1 HR

PRIMARY OCCUPANCY: I-2

MIXED USED OCCUPANCY: A-3, B

MIXED USED SEPARATION (TABLE 508.4)

I-2 AND A-3:	2 HR
I-2 AND B:	2 HR
B AND A-3:	1 HR

ALLOWABLE AREA (TABLE 506.2)

I-2 / VA / SPRINKLERED:	38,000 SF
A-3 / VA / SPRINKLERED:	46,000 SF
B / VA / SPRINKLERED:	72,000 SF

MAX. FLOOR AREA ALLOWANCES PER OCCUPANT (TABLE 1004.5)

ASSEMBLY W/O FIXED SEATS:	
STANDING:	5 SF NET
UNCONCENTRATED:	15 SF NET
BUSINESS AREAS:	150 SF GROSS
INSTITUTIONAL AREAS:	
INPATIENT TREATMENT:	240 SF GROSS
OUTPATIENT AREA:	100 SF GROSS
SLEEPING AREAS:	120 SF GROSS
KITCHEN COMMERCIAL:	200 SF GROSS

SPECIAL REQUIREMENTS BASED ON OCCUPANCY AND USE

GROUP I-2 (407.1)

CORRIDORS (407.3)

SMOKE PARTITIONS (710)

EXIT ACCESS DOORS:

EGRESS DOOR TYPES (1010.1.2)

EGRESS DOORS SHALL BE OF THE SIDE-HINGED SWINGING DOOR

EXCEPTION AND 9

DIRECTION OF SWING (1010.1.2.1): SWING IN THE DIRECTION OF EGRESS WHERE SERVING A ROOM OR AREA CONTAINING 50 OR MORE OCCUPANTS

DOOR ARRANGEMENT (1010.1.7): SPACE BETWEEN TWO DOORS IN A SERIES SHALL BE 48"

TRAVEL DISTANCE (TABLE 1017.2)

A:	250'-0"
B:	300'-0"
I-2:	200'-0"

2021 IECC THERMAL RESISTANCE: CLIMATE ZONE: 4A - CAPE GIRARDEAU PER C301.1

TABLE C402.1.3 MINIMUM REQUIREMENTS: ROOF - ATTIC AND OTHER, CLIMATE ZONE 4 = R-49

WALLS ABOVE GRADE - WOOD FRAMED = R-13 + R-3.8 CI OR R-20

**LIFE SAFETY LEGEND**

---2FW--- 2 HOUR FIRE WALL

---1FW--- 1 HOUR FIRE WALL

---1SB--- 1 HOUR SMOKE BARRIER WALL

○ = ○ → ○ TRAVEL DISTANCE TO AN EXIT

XX EGRESS PATH TAG

AREA OF REFUGE

FEC FIRE EXTINGUISHER CABINET

KB KNOX BOX

**EGRESS IDENTIFICATION**

EXIT IDENTIFICATION

EGRESS CLEAR WIDTH

OCCUPANCY TYPE

OCCUPANCY LOAD FACTOR

ROOM NAME

ROOM AREA

OCCUPANCY LOAD USED

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR

Dated: 08/15/2024

**Farnsworth GROUP**

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01

SITE #: 6803

ASSET #: 8136803002

FAI #: 29-043

# DATE: DESCRIPTION:

DRAWN BY: JCS

CHECKED BY: NRB

DESIGNED BY: JCS

SHEET TITLE:  
**FIRST FLOOR LIFE  
SAFETY PLAN**

SHEET NUMBER:  
**G-003**

SHEET 3 OF 197  
ISSUE DATE: 08/15/2024

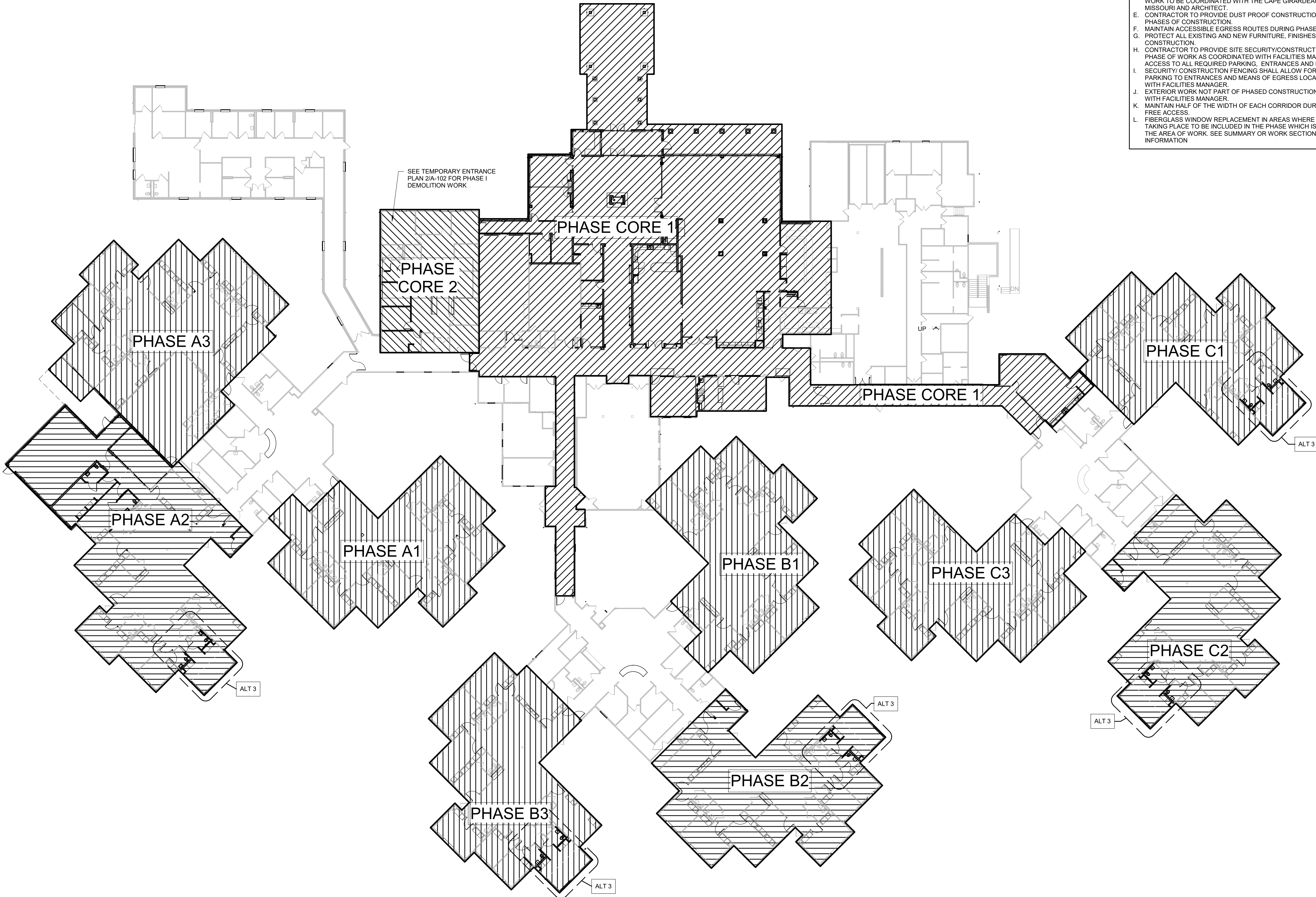


8/15/2024 10:27:17 AM

1

# PHASING FLOOR PLAN

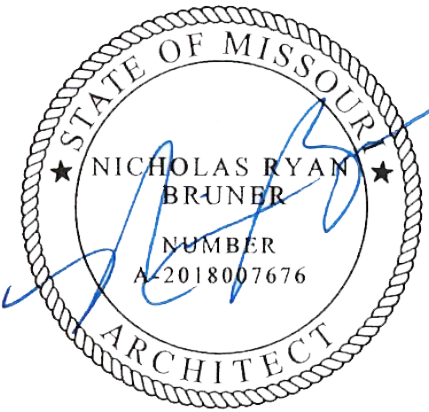
Scale: 1" = 20'-0"



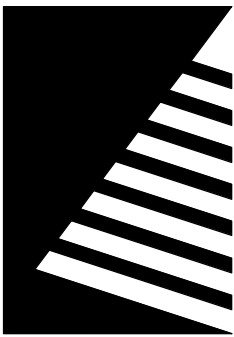
## PHASING GENERAL NOTES

- TWO SETS OF PHASES TO RUN CONCURRENTLY, CORE PHASES AND RESIDENT ROOM PHASES.
- CORE PHASES TO CONSIST OF PHASE CORE 1 AND PHASE CORE 2. PHASE CORE 2 TO BE SEQUENCED TO BEGIN AFTER PHASE CORE 1 IS COMPLETE.
- RESIDENT ROOM PHASES TO CONSIST OF PHASE C1, PHASE C2, PHASE C3, PHASE B1, PHASE B2, PHASE B3, PHASE A1, PHASE A2, AND PHASE A3. SEQUENCING OF RESIDENT ROOM PHASING SHALL BE IN THE ORDER PREVIOUSLY DESCRIBED. ONLY ONE PHASE TO BE UNDER CONSTRUCTION AT A TIME.
- ADDITIONAL WORK NOT INCLUDED ON THE PHASING PLAN, INCLUDING NURSING STATION REPLACEMENT HANDRAILS, PERIMETER FENCING (ALTERNATE #2), REPLACEMENT SIDING ON MAINTENANCE SHED, CIVIL WORK AND LANDSCAPING WORK TO BE COORDINATED WITH THE CAPE GIRARDEAU VA HOME, STATE OF MISSOURI AND ARCHITECT.
- CONTRACTOR TO PROVIDE DUST PROOF CONSTRUCTION BARRIERS DURING ALL PHASES OF CONSTRUCTION.
- MAINTAIN ACCESSIBLE EGRESS ROUTES DURING PHASED CONSTRUCTION.
- PROTECT ALL EXISTING AND NEW FURNITURE, FINISHES AND EQUIPMENT DURING CONSTRUCTION.
- CONTRACTOR TO PROVIDE SITE SECURITY/CONSTRUCTION FENCING PER EACH PHASE OF WORK AS COORDINATED WITH FACILITIES MANAGER. MAINTAIN DRIVE ACCESS TO ALL REQUIRED PARKING, ENTRANCES AND FIRE LANES.
- SECURITY/ CONSTRUCTION FENCING SHALL ALLOW FOR ACCESS FROM PHASED PARKING TO ENTRANCES AND MEANS OF EGRESS LOCATIONS AS COORDINATED WITH FACILITIES MANAGER.
- EXTERIOR WORK NOT PART OF PHASED CONSTRUCTION SHALL BE COORDINATED WITH FACILITIES MANAGER.
- MAINTAIN HALF OF THE WIDTH OF EACH CORRIDOR DURING PHASING TO ALLOW FREE ACCESS.
- FIBERGLASS WINDOW REPLACEMENT IN AREAS WHERE NO INTERIOR WORK IS TAKING PLACE TO BE INCLUDED IN THE PHASE WHICH IS MOST APPROXIMATE TO THE AREA OF WORK. SEE SUMMARY OR WORK SECTION FOR ADDITIONAL INFORMATION.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

ASSET #.: 8136803002

FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR

CHECKED BY: JJH

DESIGNED BY: NRB

SHEET TITLE:

**PHASING PLAN**

SHEET NUMBER:

**G-004**

SHEET 4 OF 197  
ISSUE DATE: 08/15/2024



SYMBOLS LEGEND

	EXISTING DECIDUOUS TREE
	EXISTING EVERGREEN TREE
	EXISTING EVERGREEN BUSH
	EXISTING BOLLARD
	EXISTING BORE HOLE
	EXISTING ELECTRIC LIGHT
	EXISTING AREA LIGHT
	EXISTING SPOT ELEVATION
	EXISTING FLAGPOLE
	EXISTING MAIL BOX
	EXISTING LANDSCAPE ROCK
	EXISTING SIGN
	EXISTING PARKING METER
	EXISTING TRAFFIC SIGNAL
	EXISTING PAY PHONE
	EXISTING COMMUNICATIONS MANHOLE
	EXISTING TV PEDESTAL
	EXISTING FIBER OPTIC CABLE MARKER
	EXISTING WATER METER
	EXISTING WATER VALVE
	EXISTING WATER MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING GUY WIRE
	EXISTING POWER POLE
	EXISTING POWER POLE W/ TRANSFORMER
	EXISTING TRANSFORMER
	EXISTING ELECTRIC MANHOLE
	EXISTING GAS VALVE
	EXISTING GAS DRIP
	EXISTING CLEAN OUT
	EXISTING CURB INLET
	EXISTING GRATE INLET
	EXISTING SANITARY MANHOLE
	EXISTING FLARED END SECTION
	EXISTING STORM SEWER STRUCTURE DESIGNATOR
	EXISTING LIGHT
	NEW SANITARY SEWER MANHOLE
	NEW STORM SEWER MANHOLE
	NEW STORM SEWER STRUCTURE
	NEW CLEANOUT
	NEW FINISH SPOT ELEVATION
	NEW FINISH SPOT ELEVATION SET PER ARCHITECT
	PARKING COUNT DESIGNATOR
	NEW KEYED NOTE DESIGNATOR
	NEW PIPE FLOW DIRECTION INDICATOR
	NEW SWALE LINE
	NEW RIP RAP
	NEW FLARED END SECTION
	NEW STORM SEWER STRUCTURE DESIGNATOR
	NEW SANITARY MANHOLE DESIGNATOR
	NEW WATER METER
	NEW FIRE HYDRANT
	NEW GAS METER
	NEW TELEPHONE DISTRIBUTION BOX
	NEW ELECTRICAL MANHOLE
	NEW TRANSFORMER
	NEW PARKING LIGHT
	NEW FIRE DEPARTMENT CONNECTION
	NEW WATER VALVE

	NEW CONCRETE SIDEWALK PAVEMENT AND BASE
	NEW CONCRETE PAVEMENT AND BASE
	EXISTING ASPHALT PAVEMENT TO BE REMOVED
	EXISTING CONCRETE WALK TO BE REMOVED

LINE LEGEND

EX 5' CONTOUR	—505—	—505—
EX 1' CONTOUR	—504—	—504—
EX STORM SEWER	—ST—	—ST—
EX COMBINED SEWER	—CS—	—CS—
EX SANITARY SEWER	—SA—	—SA—
EX GAS LINE	—G—	—G—
EX UG TELEPHONE LINE	—T—	—T—
EX OVERHEAD ELECTRIC	—OE—	—OE—
EXISTING UNDERGROUND ELECTRIC	—E—	—E—
EX WATER LINE WITH SIZE	—W—	—W—
EXISTING TREE MASS		
FINISH 5' CONTOUR	505	
FINISH 1' CONTOUR	504	
SAWCUT LINE		
NEW STORM SEWER	—ST—	—ST—
NEW SANITARY SEWER	—SA—	—SA—
NEW GAS MAIN	—G—	—G—
NEW TELEPHONE SERVICE	—T—	—T—
NEW OVERHEAD ELECTRIC	—OE—	—OE—
NEW UNDERGROUND ELECTRICAL SERVICE	—E—	—E—
NEW WATER MAIN	—W—	—W—
EROSION CONTROL BARRIER		
DRAINAGE AREA LINE		

ABBREVIATIONS

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

GENERAL NOTES

- ALL EXISTING IMPROVEMENTS SHALL REMAIN UNLESS NOTED OTHERWISE
- THE CONTRACTOR SHALL KEEP ALL ACCESS ROADS FREE FROM MUD AND DEBRIS AT ALL TIMES.
- THE CONTRACTOR SHALL SAWCUT ALL EDGES OF EXISTING PAVEMENT THAT IS TO BE REMOVED. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO CREATE A SMOOTH WORKING EDGE AND TO PLACE BACKFILL AND PAVEMENT SUCH THAT SETTLEMENT DOES NOT OCCUR.
- ALL MATERIALS AND WORKMANSHIP ASSOCIATED WITH THE STORM AND SANITARY SEWER CONSTRUCTION SHALL CONFORM TO THE LATEST STANDARDS SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN MISSOURI.
- ALL DISTURBED AREAS SHALL BE RESTORED WITH SEED. REFER TO TURF SPECIFICATIONS FOR SEEDING.
- THE EXISTING UTILITIES SHOWN HEREON ARE FROM INFORMATION PROVIDED BY THE OWNER AND UTILITY COMPANIES AND MUST BE CONSIDERED AS APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS OF PUBLIC AND PRIVATE UTILITIES.
- THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR CONTROLLING ALL SILTATION AND EROSION OF THE PROJECT AREA. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO CONTROL EROSION AND SILTATION INCLUDING BUT NOT LIMITED TO SILTATION FABRIC FENCES CONTROL SHALL COMMENCE WITH GRADING AND BE MAINTAINED THROUGHOUT THE PROJECT UNTIL ACCEPTANCE OF THE WORK BY THE OWNER AND/OR THE STATE OF MISSOURI. THE CONTRACTOR'S RESPONSIBILITIES INCLUDE ALL DESIGN AND IMPLEMENTATION AS REQUIRED TO PREVENT EROSION AND THE DEPOSITING OF SILT. THE OWNER AND/OR STATE MAY AT THEIR OPTION DIRECT THE CONTRACTOR IN HIS METHODS AS DEEMED FIT TO PROTECT PROPERTY AND IMPROVEMENTS. ANY DEPOSITING OF SILT OR MUD ON NEW OR EXISTING PAVEMENT OR IN NEW OR EXISTING STORM SEWERS OR SWALES SHALL BE REMOVED AFTER EACH RAIN AND AFFECTED AREAS CLEANED TO THE SATISFACTION OF THE OWNER AND/OR STATE.
- ALL EXISTING UNDERGROUND IMPROVEMENTS SHALL REMAIN UNLESS NOTED OTHERWISE.
- BACKFILL ALL UTILITY TRENCHES UNDER PAVEMENT WITH GRANULAR MATERIAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING TOPS AND FLOWLINES OF ALL EXISTING SEWERS PRIOR TO COMMENCING WORK.
- ABANDONMENT OF SEWERS SHALL CONFORM TO THE STATE OF MISSOURI DNR SPECIFICATIONS.
- EXISTING UTILITY POLES SHALL NOT BE DISTURBED. COORDINATE WITH AMEREN UE IF BRACING IS REQUIRED DURING EXCAVATION.
- THE CONTRACTOR SHALL MAINTAIN CONSTRUCTION FENCE AROUND ALL OPEN EXCAVATION AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CONSTRUCTION STAKING AND LAYOUT.

Utility Contacts

ELECTRIC

AMEREN MISSOURI  
CAPE GIRARDEAU, MO 63703  
800-552-7583

SANITARY & STORM SEWERS

CAPE GIRARDEAU  
2007 SOUTHERN EXPRESSWAY  
CAPE GIRARDEAU, MO 63703  
573-339-6351

TELEPHONE

AT&T-MISSOURI  
800-499-7928

GAS

AMEREN MISSOURI  
24 MINNESOTA AVE.  
CAPE GIRARDEAU, MO 63703  
800-552-7583

WATER

CAPE GIRARDEAU  
2007 SOUTHERN EXPRESSWAY  
CAPE GIRARDEAU, MO 63703  
573-339-6351



CALL BEFORE YOU  
DIG - DRILL - BLAST  
1-800-344-7483  
(TOLL FREE)

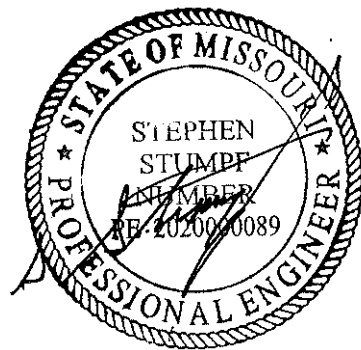
MISSOURI ONE CALL SYSTEM, INC.

Benchmark

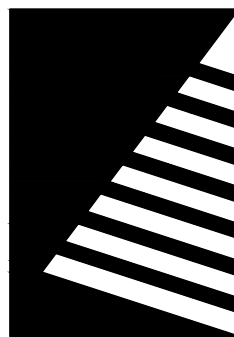
BENCHMARK USED: SITE BENCHMARK: IRON ROD WITH A PLASTIC CAP, ROUGHLY 37 FEET EAST, AND 46 FEET SOUTH OF THE INTERSECTION OF VETERANS MEMORIAL DRIVE AND VETERANS DRIVE. LOCATED IN THE SOUTHEAST REGION OF A PARKING LOT ISLAND. ELEVATION= 577.92 ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). DERIVED BY REAL-TIME KINETIC (RTK) GPS OBSERVATIONS USING MISSOURI GEOGRAPHIC REFERENCE STATIONS: (GRS COORDINATES SHOWN IN METERS: 1 METER = 3.2808333 FEET) CORRS\_ID MOJK: NORTHING: 175,551.770, EASTING: 325,239.670.

CONTORL POINT TABLE				
Point Number	Easting	Northing	Point Elevation	Full Description
200	1082708.60	551784.77	576.70	CP ~ 22 Rebar
201	1082211.50	551834.35	577.92	CP ~ 22 Rebar
202	1082179.31	551461.52	577.74	CP ~ 22 Rebar
203	1082463.47	551307.12	578.74	CP ~ 22 Rebar
204	1082794.16	551478.36	578.61	CP ~ 22 Rebar
210	1082207.44	551606.27	580.80	CP ~ 34 60D Nail
211	1082214.64	551673.93	580.36	CP ~ 34 60D Nail
212	1082451.70	551806.43	580.63	CP ~ 34 60D Nail
213	1082315.98	551656.98	581.00	CP ~ 34 60D Nail
214	1082204.79	551529.09	580.03	CP ~ 34 60D Nail
215	1082285.98	551432.28	579.73	CP ~ 34 60D Nail
216	1082317.91	551498.47	581.25	CP ~ 34 60D Nail
217	1082464.04	551407.89	580.92	CP ~ 34 60D Nail
218	1082590.56	551430.64	580.83	CP ~ 34 60D Nail
219	1082648.88	551475.56	580.87	CP ~ 34 60D Nail
220	1082702.34	551429.49	580.07	CP ~ 34 60D Nail
221	1082544.53	551470.14	581.48	CP ~ 34 60D Nail
222	1082712.59	551556.35	581.21	CP ~ 34 60D Nail
223	1082758.01	551599.27	580.28	CP ~ 34 60D Nail
224	1082721.41	551721.62	577.56	CP ~ 34 60D Nail
225	1082621.55	551605.74	580.78	CP ~ 34 60D Nail
226	1082498.97	551699.19	580.83	CP ~ 34 60D Nail
227	1082477.93	551671.28	581.34	CP ~ 34 60D Nail
228	1082421.29	551665.11	581.63	CP ~ 9 Ink Mark
229	1082397.35	551690.16	581.03	CP ~ 34 60D Nail
230	1082450.98	551444.64	581.37	CP ~ 34 60D Nail
300	1082708.58	551784.77	576.64	CP ~ 22 Rebar
302	1082179.32	551461.55	577.74	CP ~ 22 Rebar
303	1082463.48	551307.14	578.77	CP ~ 22 Rebar
304	1082794.13	551478.37	578.58	CP ~ 22 Rebar

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



DATE: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

ASSET #.: 8136803002

FA#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: JSE

CHECKED BY: SAS

DESIGNED BY: JSE

SHEET TITLE:

CIVIL GENERAL NOTES

SHEET NUMBER:

C-001

SHEET 5 OF 197  
ISSUE DATE: 08/15/2024



20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / [info@f-w.com](mailto:info@f-w.com)

**Farnsworth Group, Inc.**  
**Missouri State Certificate of Authority #000744**

[www.f-w.com](http://www.f-w.com)  
Engineers | Architects | Surveyors | Scientists

08/15/2024

MISSOURI VETERANS  
COMMISSION

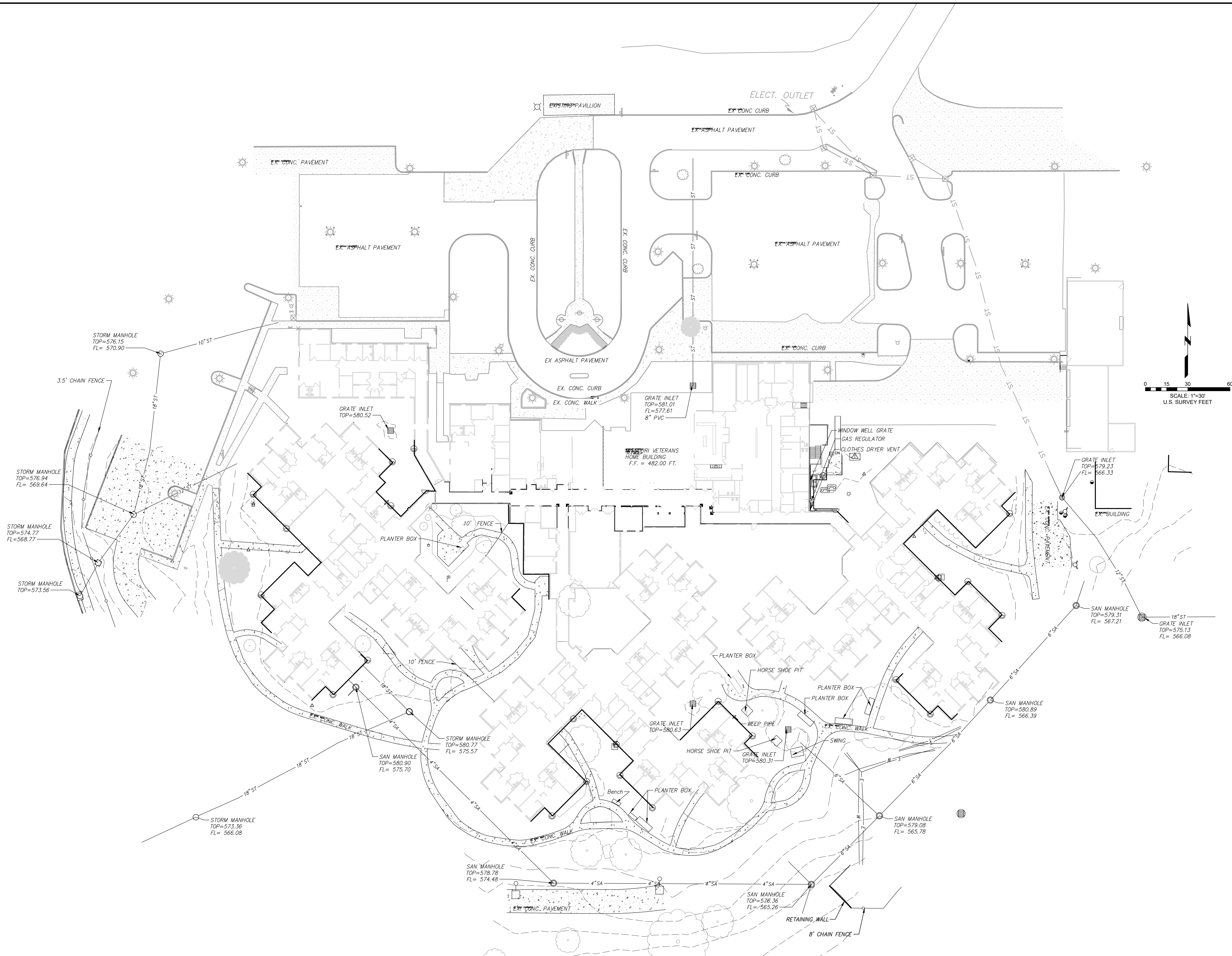
2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

[illegible]

SHEET TITLE:

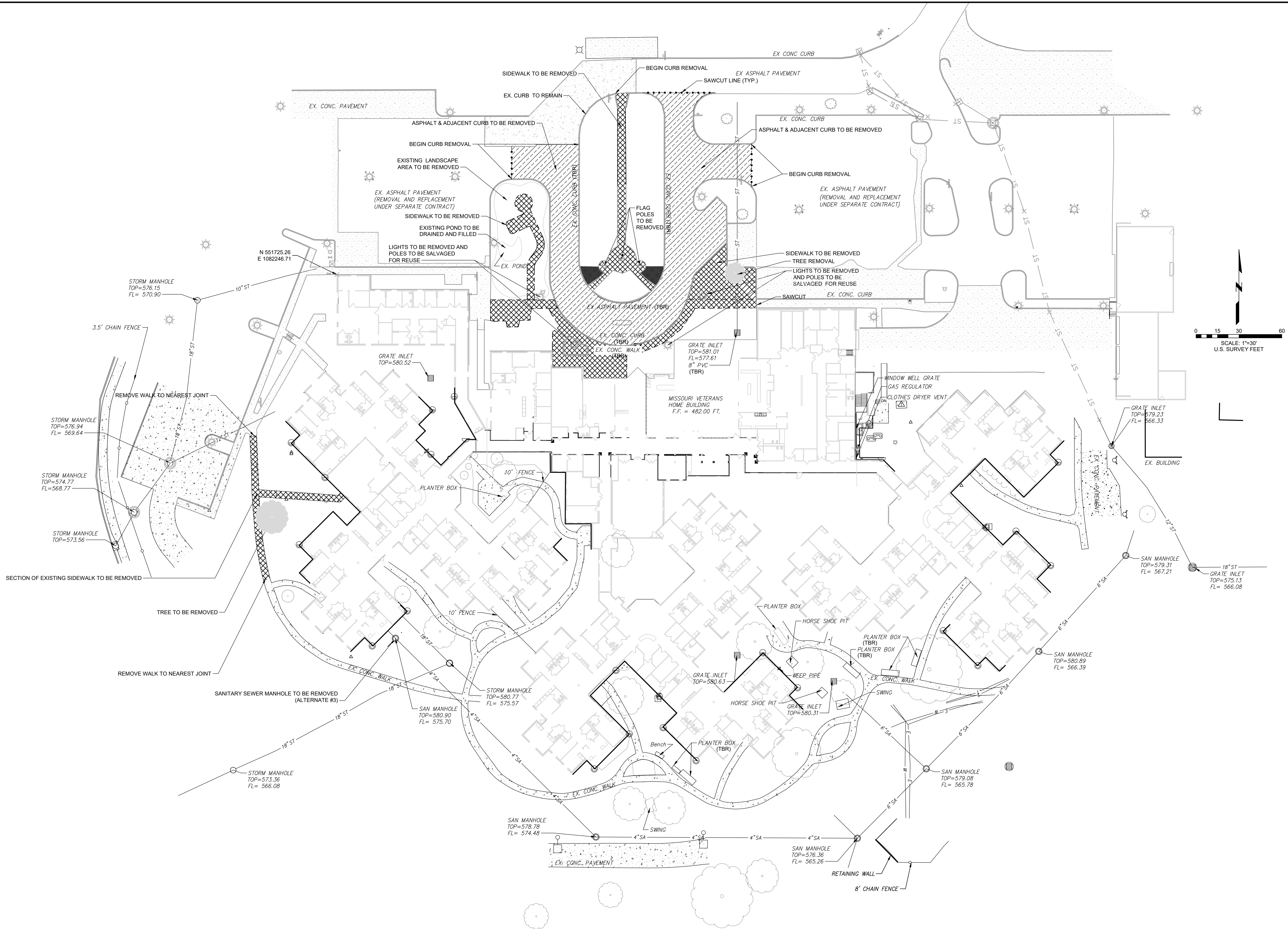
SHEET NUMBER:

SHEET 6 OF 197  
ISSUE DATE: 08/15/2024

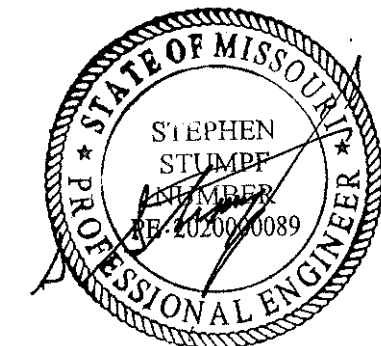




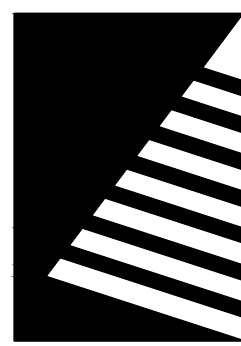
7/31/2018 10:17:18 AM



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



DATE: 8/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

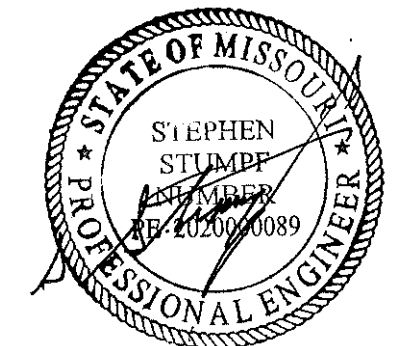
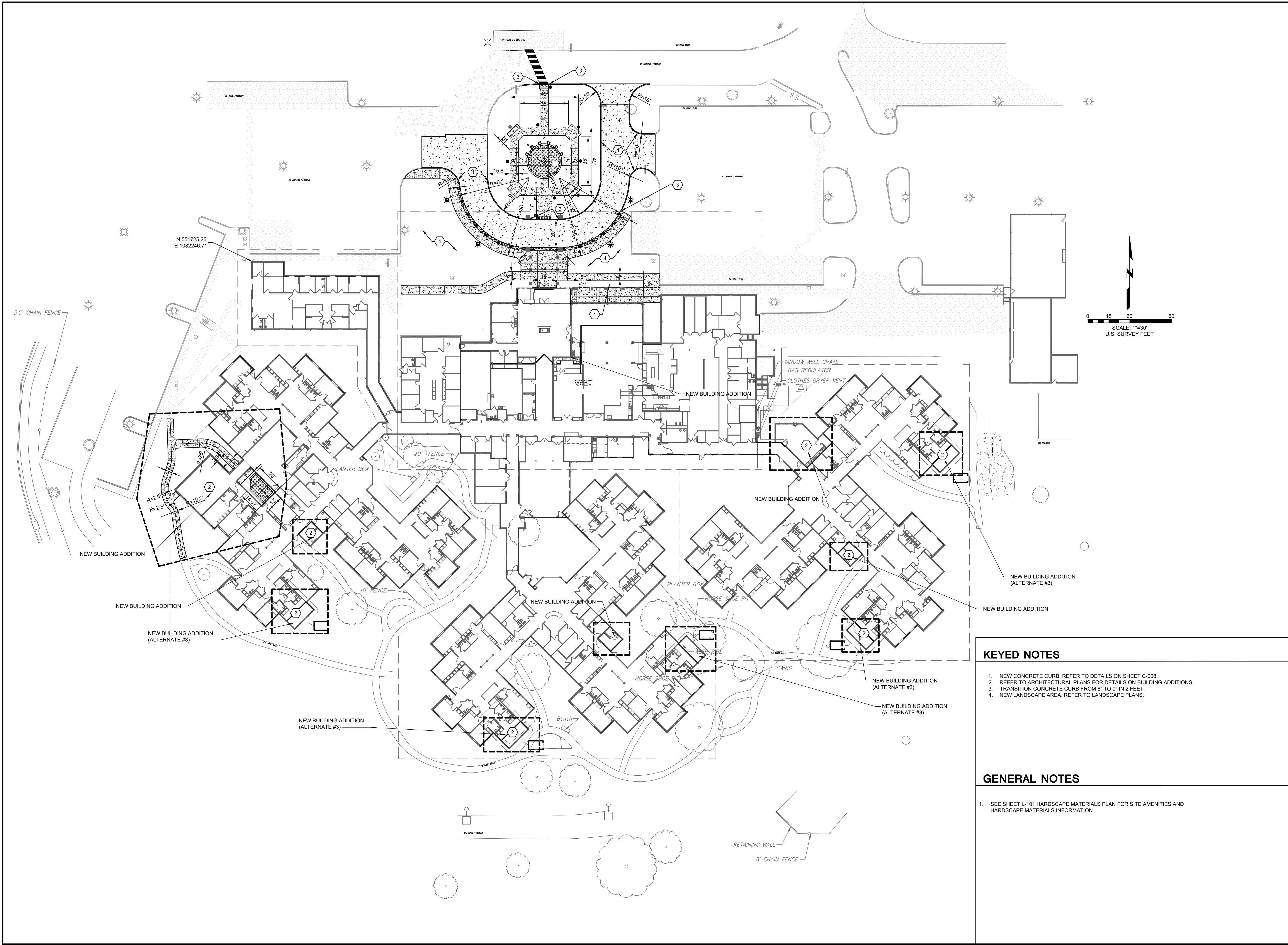
PROJECT #:	U1805-01
SITE #:	6803
FACILITY #:	8136803002
FAI#:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: JSE  
CHECKED BY: SAS  
DESIGNED BY: JSE

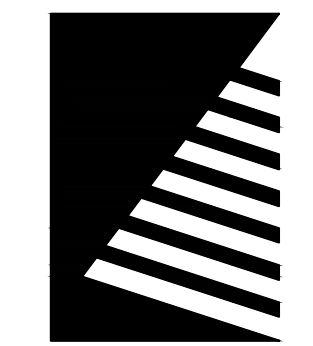
SHEET TITLE:  
**DEMOLITION**

SHEET NUMBER:  
**C-003**

SHEET 7 OF 197  
ISSUE DATE: 08/15/2024



DATE: 8/15/2024



**Farnsworth  
GROUP**  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: JSE  
CHECKED BY: SAS  
DESIGNED BY: JSE

SHEET TITLE:  
**LAYOUT AND  
HARDSCAPE PLAN**

SHEET NUMBER:  
**C-004**

SHEET 8 OF 197  
ISSUE DATE: 08/15/2024

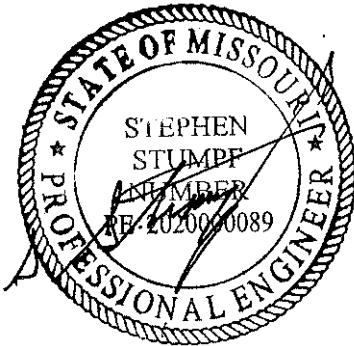
**KEYED NOTES**

1. NEW CONCRETE CURB. REFER TO DETAILS ON SHEET C-008.
2. REFER TO ARCHITECTURAL PLANS FOR DETAILS ON BUILDING ADDITIONS.
3. TRANSITION CONCRETE CURB FROM 6" TO 0" IN 2 FEET.
4. NEW LANDSCAPE AREA. REFER TO LANDSCAPE PLANS.

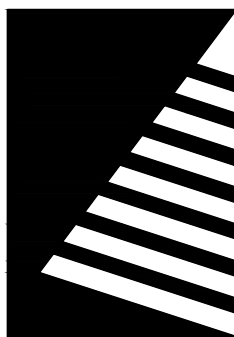
**GENERAL NOTES**

1. SEE SHEET L-101 HARDSCAPE MATERIALS PLAN FOR SITE AMENITIES AND HARDSCAPE MATERIALS INFORMATION





DATE: 8/15/2024



**Farnsworth  
GROUP**

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

#	DATE	DESCRIPTION
---	------	-------------

DRAWN BY: JSE  
CHECKED BY: SAS  
DESIGNED BY: JSE

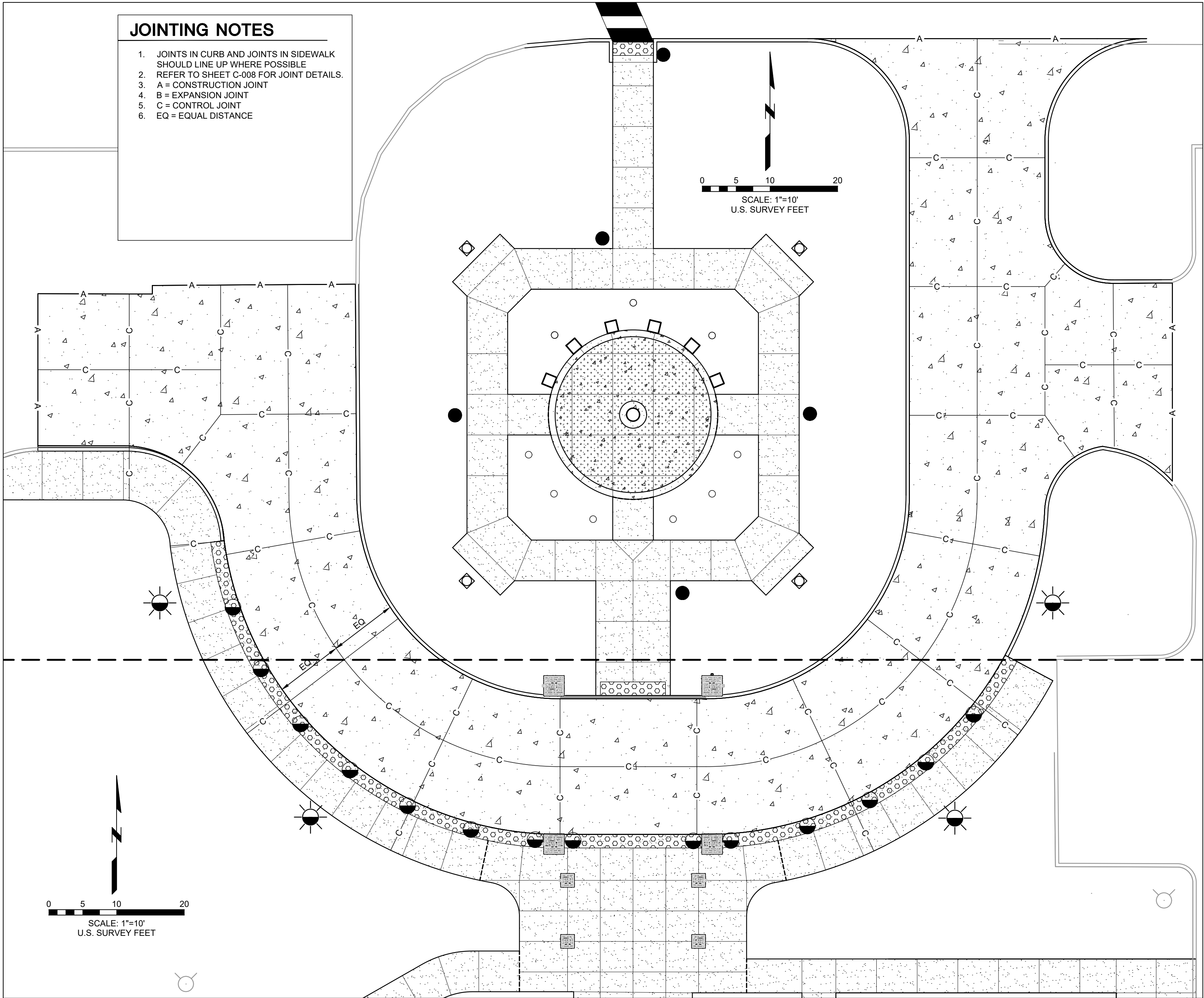
SHEET TITLE:

**PAVEMENT JOINTING**

SHEET NUMBER:

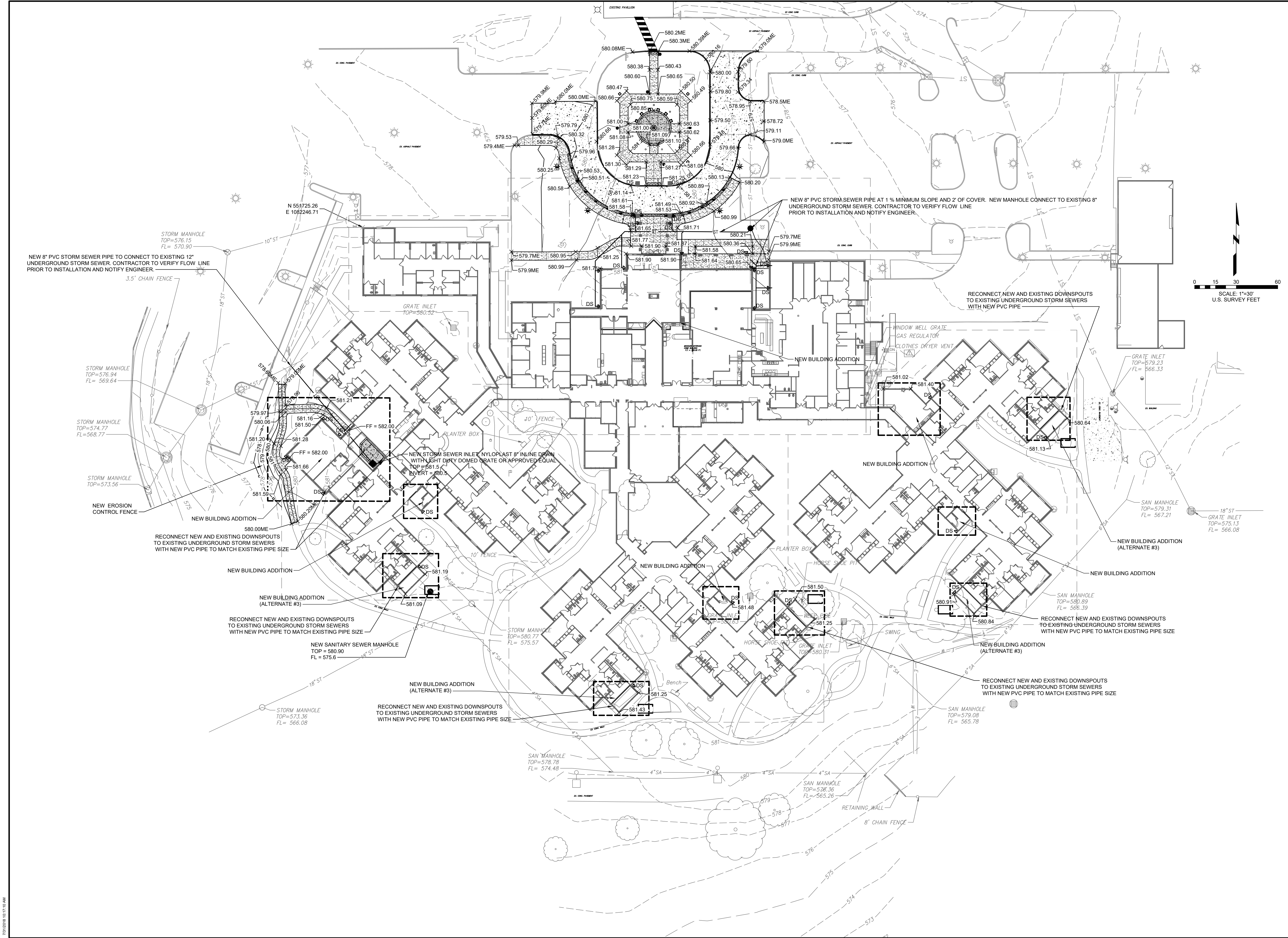
**C-005**

SHEET 9 OF 197  
ISSUE DATE: 08/15/2024

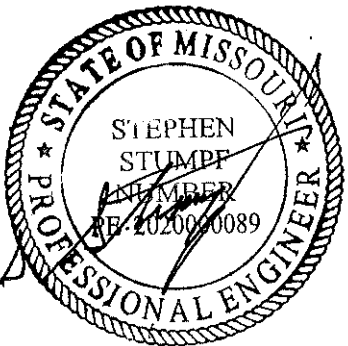


**PAVEMENT JOINTING PLAN**

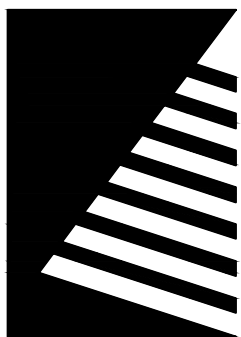
Scale: 1"=10'



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



DATE: 8/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #:	U1805-01
SITE #:	6803
FACILITY #:	8136803002
FAI#:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: JSE  
CHECKED BY: SAS  
DESIGNED BY: JSE

SHEET TITLE:  
**GRADING AND UTILITY  
PLAN**

SHEET NUMBER:  
**C-006**

SHEET 10 OF 197  
ISSUE DATE: 08/15/2024

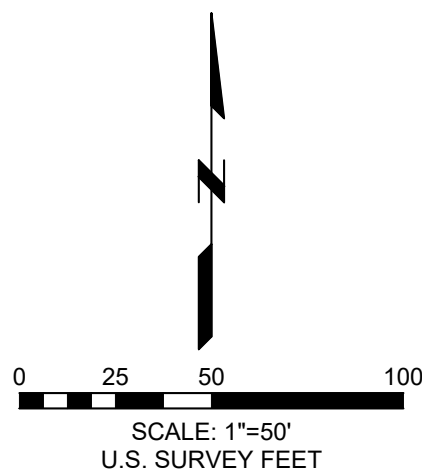


7/21/2018 10:17:10 AM

NEW VEHICLE GATE AND PEDESTRIAN GATE  
(ALTERNATE #2)  
NOTE: ELECTRICAL CONTRACTOR SHALL FURNISH  
AND INSTALL ALL WIRING, JUNCTION BOXES,  
CONDUIT, ETC. AS REQUIRED TO CONNECT  
DIGITAL ENTRY SYSTEM TO EXISTING POWER  
SOURCE AND FIRE ALARM SYSTEM.

N 551725.26  
E 1082246.71

NEW VEHICLE GATE AND PEDESTRIAN GATE  
(ALTERNATE #2)  
NOTE: ELECTRICAL CONTRACTOR SHALL FURNISH  
AND INSTALL ALL WIRING, JUNCTION BOXES,  
CONDUIT, ETC. AS REQUIRED TO CONNECT  
DIGITAL ENTRY SYSTEM TO EXISTING POWER  
SOURCE AND FIRE ALARM SYSTEM.



RETAINING WALL  
8" CHAIN FENCE

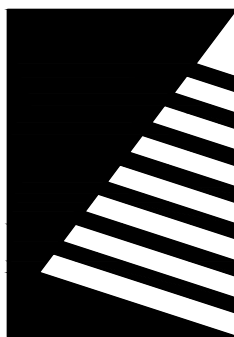
NEW PEDESTRIAN  
GATE WITH MANUAL  
LOCK SYSTEM  
(ALTERNATE #2)

NEW SECURITY FENCE  
(ALTERNATE #2)  
REFER TO DETAIL ON SHEET C-008

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



DATE: 8/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

#	DATE	DESCRIPTION
---	------	-------------

DRAWN BY: JSE  
CHECKED BY: SAS  
DESIGNED BY: JSE

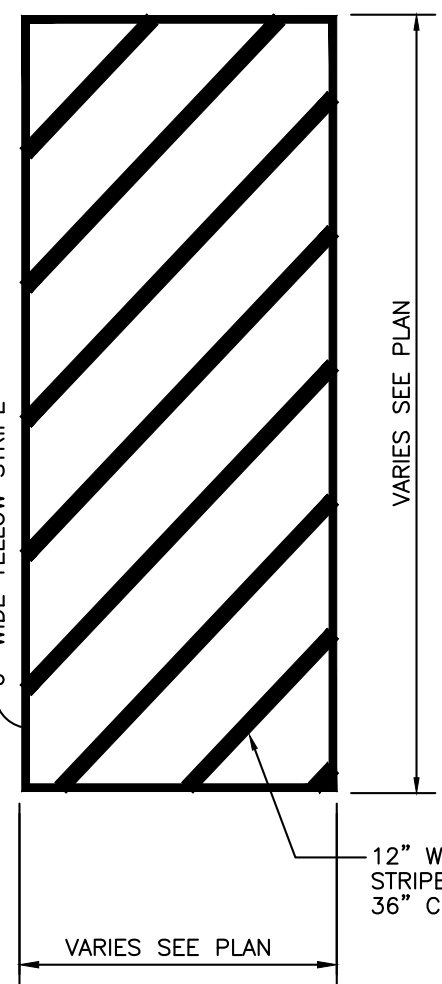
SHEET TITLE:  
**FENCE LAYOUT  
ALTERNATE #2**

SHEET NUMBER:

**C-007**

SHEET 11 OF 197  
ISSUE DATE: 08/15/2024





YELLOW—LEFT EDGE ON MULTILANE DIVIDED ROADWAYS AND NO-PASSING LINE AND RAMPS (4" WIDE)

YELLOW PARKING SPACE LINE (4" WIDE)

BROKEN YELLOW CENTER LINES (4" WIDE)

BROKEN WHITE LANE LINE (4" WIDE)

WHITE CHANNELIZATION LINE (4" WIDE)

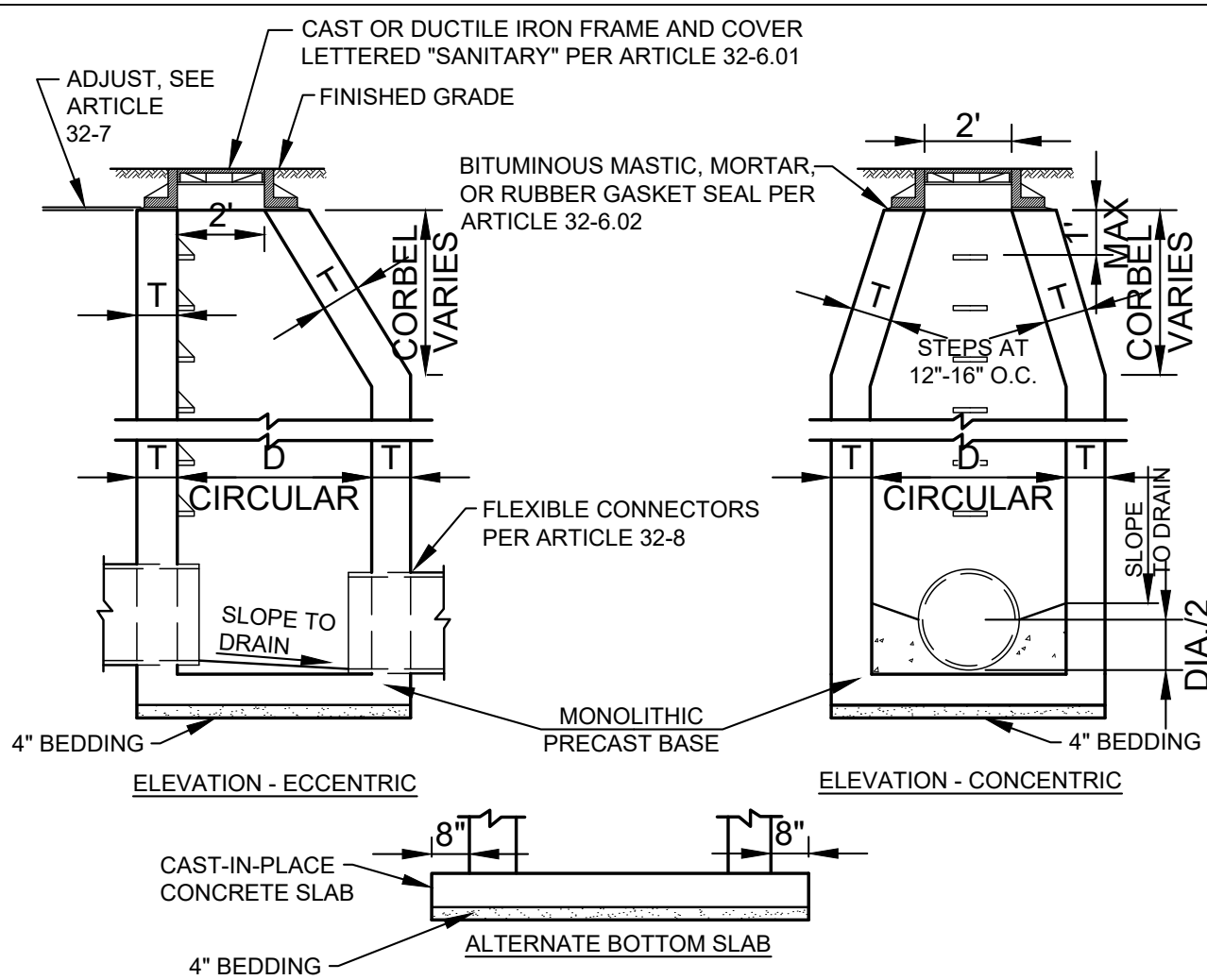
WHITE CHANNELIZATION LINE (8" WIDE)

WHITE CROSSWALK LINE (6" WIDE)

WHITE STOP LINE (24" WIDE)

### 10 Painted Stripe Detail

Scale: Not To Scale



ALT. MATERIALS FOR WALLS	D	T (MIN.)
CONCRETE MASONRY UNITS	4 FEET	5 IN
BRICK MASONRY	4 FEET	8 IN
PRECAST REIN. CONCRETE SECT.	4 FEET	6 IN
CAST-IN-PLACE CONCRETE	4 FEET	6 IN

NOTE: MANHOLE STEPS, WHEN REQUIRED, SHALL BE FURNISHED AND INSTALLED AS SHOWN ON THE PLANS, IN ACCORDANCE WITH ARTICLE 32-5.

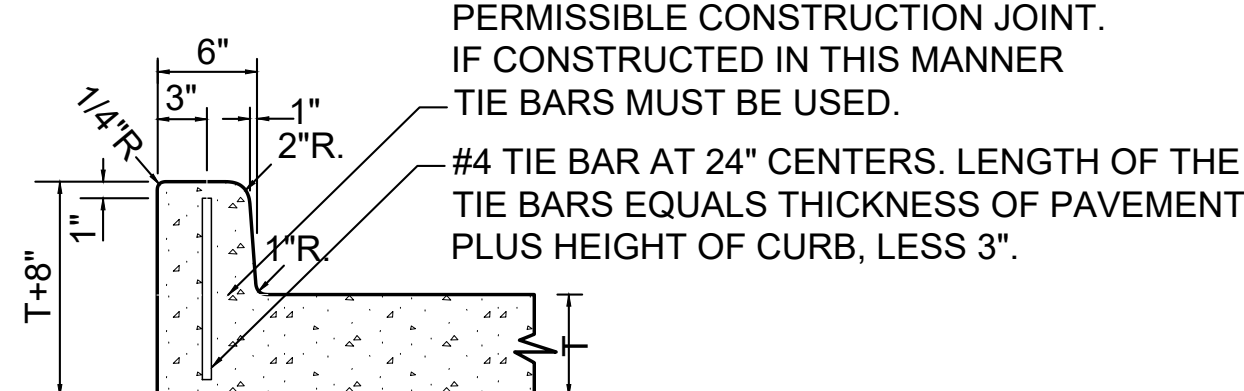
REFERENCE SECTION 32 FOR SANITARY SEWER MANHOLE SPECIFICATIONS

#### NOTES:

- SANITARY MANHOLES, SUBJECT TO SATURATED SOIL CONDITIONS OR SURFACE SUBMERGENCE, SHALL BE EQUIPPED WITH EXTERNAL CHIMNEY SEALS AND WATER TIGHT MANHOLE COVERS.
- THE CONTRACTOR SHALL INSTALL A FRAME SEAL AND EXTENSION OR EXTENSIONS IF NEEDED ON ALL NEW SANITARY MANHOLES INCLUDED IN THIS PROJECT. THE FRAME SEAL AND EXTENSION OR EXTENSIONS SHALL SPAN THE ENTIRE ADJUSTMENT AREA OF THE MANHOLE BY CONNECTING TO THE LOWER BASE FLANGE OF THE FRAME CASTING AND TO THE TOP OF THE MANHOLE CONE.
- EXTERNAL JOINT SEALS SHALL MEET, OR EXCEED, THE REQUIREMENTS OF ASTM C-877, TYPE II.

### 3 Typical Sanitary Manhole

Scale: Not To Scale

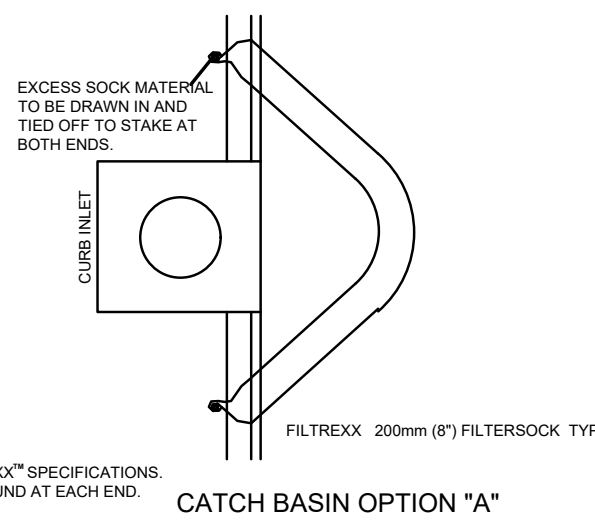


### 5 Integral Vertical Curb Detail

Scale: Not To Scale

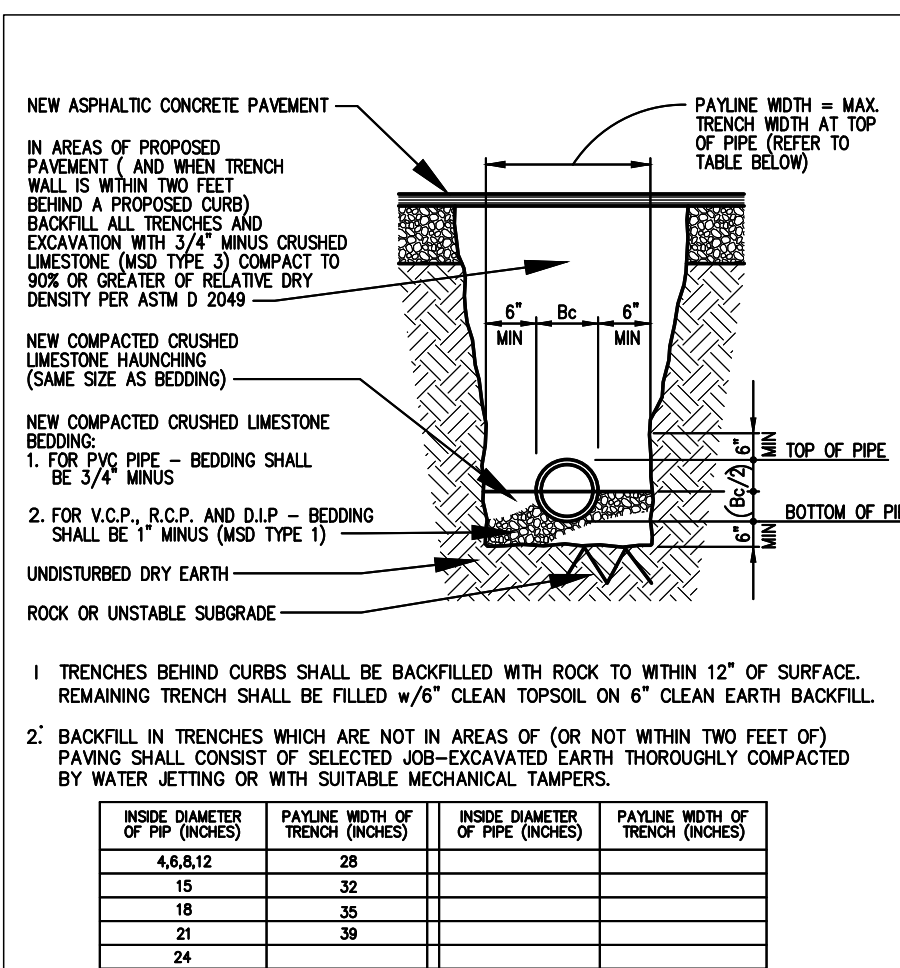
### 6 Curb Inlet Protection Detail

Scale: Not To Scale



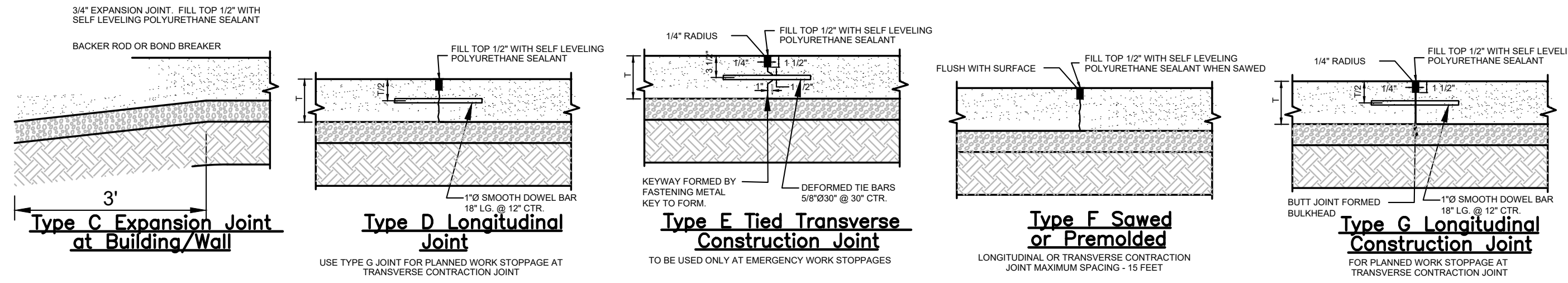
CATCH BASIN OPTION "A"

- ALL MATERIAL TO MEET FILTERTEK™ SPECIFICATIONS.
- SECURE FILTERTEK™ TO GROUND AT EACH END.



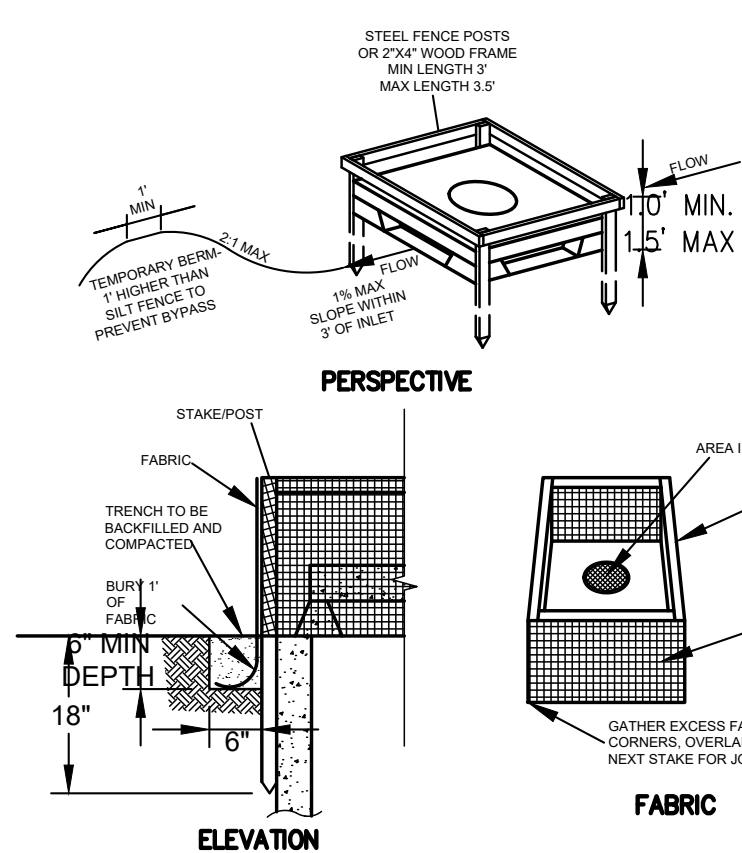
### 1 TRENCH DETAIL

Scale: Not To Scale



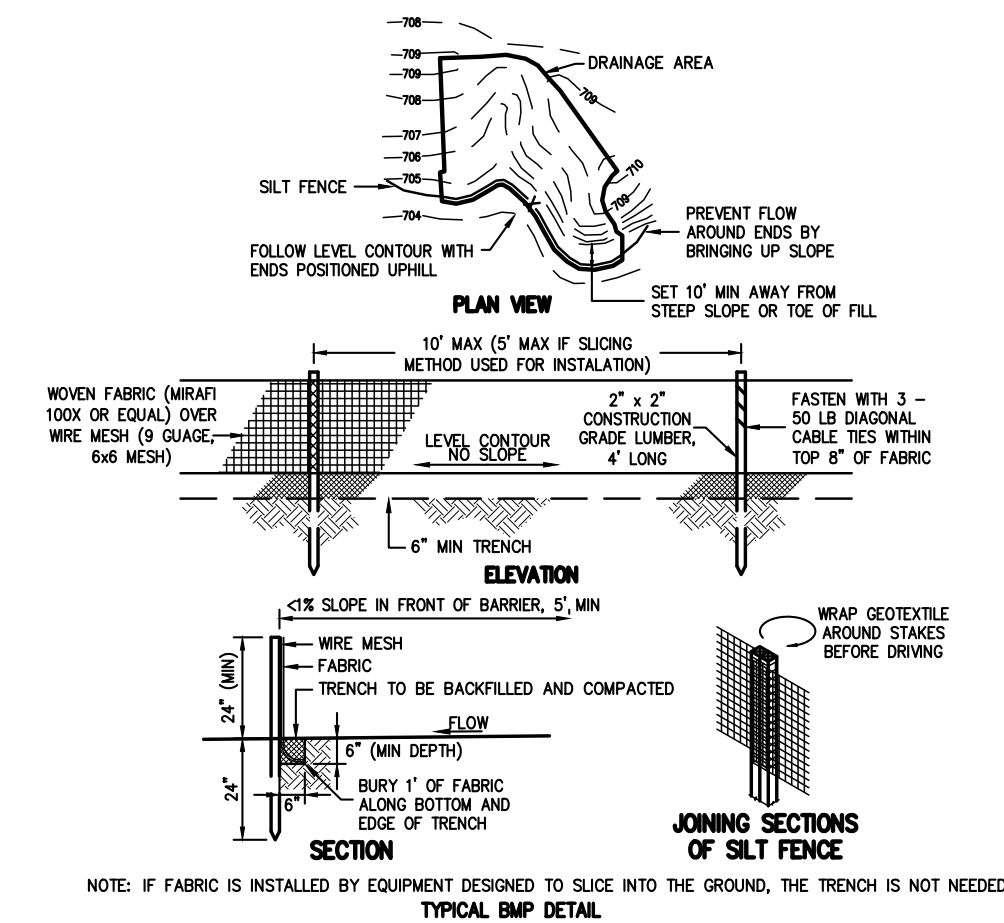
### 4 Typical Concrete Pavement Joint Details

Scale: Not To Scale



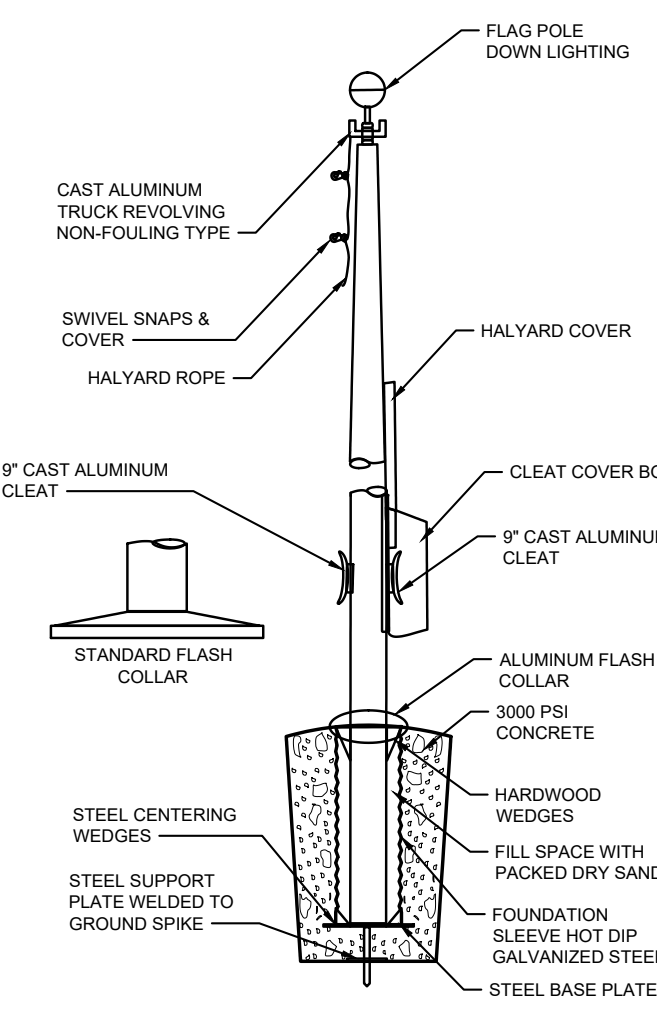
### 7 Inlet Protection Detail

Scale: Not To Scale



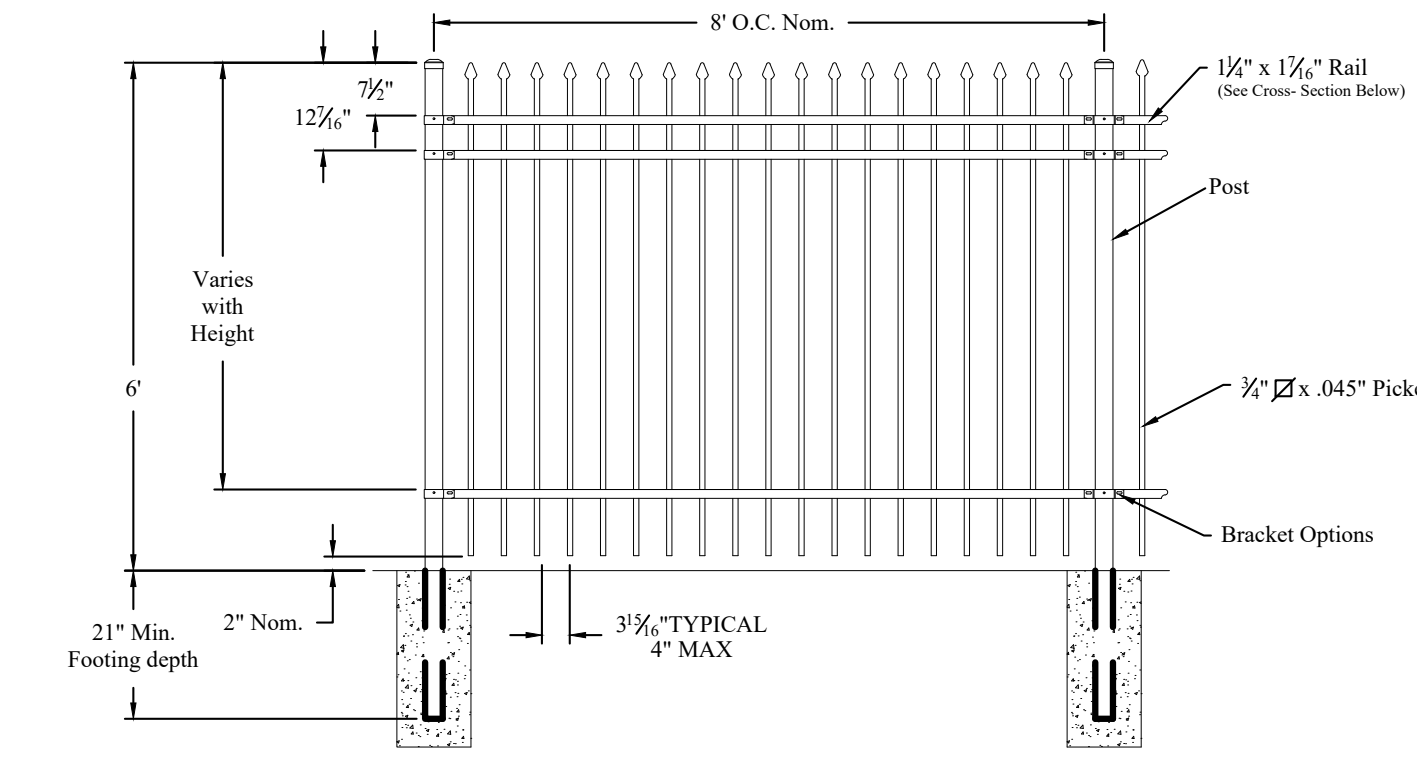
### 8 Silt Fence - SC-8

Scale: Not To Scale



### 9 Flag Pole Detail

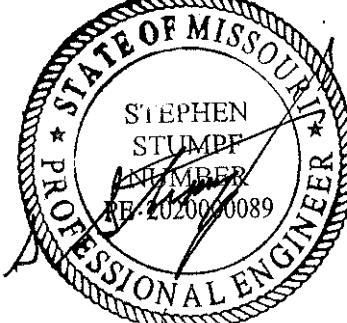
Scale: Not To Scale



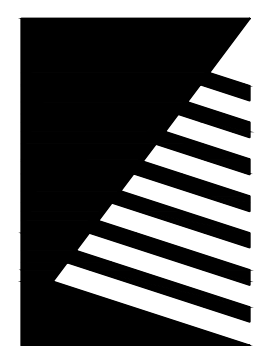
### 2 Security Fence Detail, ALT #2

Scale: Not To Scale

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



DATE: 8/15/2024



**Farnsworth GROUP**

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: JSE  
CHECKED BY: SAS  
DESIGNED BY: JSE

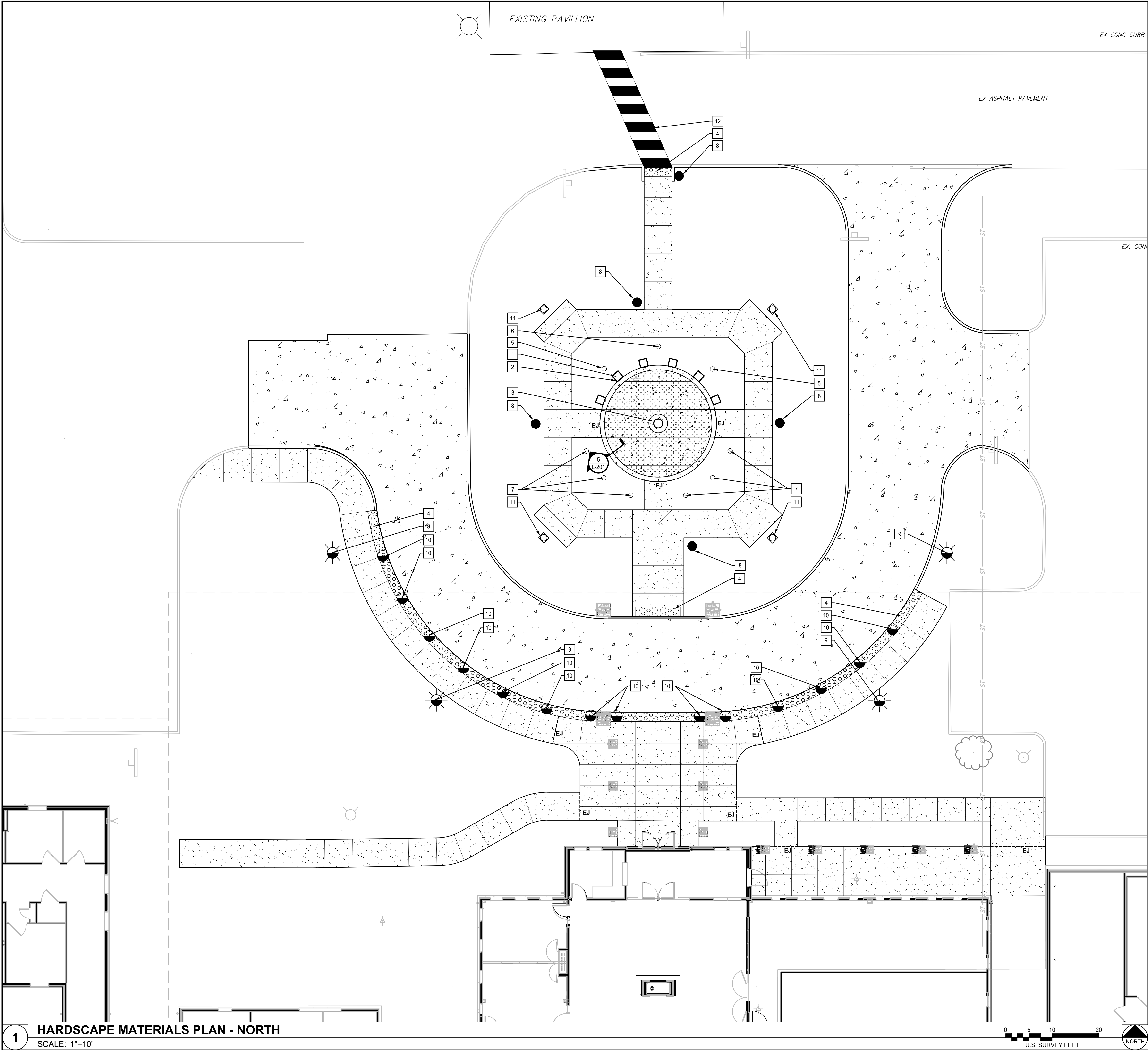
SHEET TITLE:  
**DETAILS**

SHEET NUMBER:

**C-008**

SHEET 12 OF 197  
ISSUE DATE: 08/15/2024





**1** HARDSCAPE MATERIALS PLAN - NORTH  
SCALE: 1"=10'

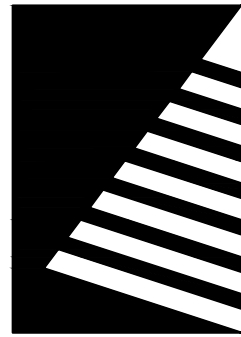
**LEGEND**

- 6,180 S.F. - 6" P.C. CONCRETE PAVEMENT  
(SEE DETAIL 6/L-201)
- 713 S.F. - 6" STAMPED COLORED P.C. CONCRETE  
(SEE DETAIL 4/L-201 & SPECIFICATION 03 3533)
- 5,936 S.F. - 4" P.C. CONCRETE PAVEMENT  
(SEE DETAIL 3/L-201)

**# KEYED NOTES**

- (6) CAST BRONZE BAS-RELIEF MILITARY SERVICE SEAL PLAQUES SHALL BE 16" DIAMETER BY 1/2" THICK RAISED HIGHLIGHTED IMAGES WITH DARK BROWN BACKGROUND. ONE FOR EACH MILITARY BRANCH (UNITED STATES ARMY, UNITED STATES MARINE CORPS, UNITED STATES NAVY, UNITED STATES AIR FORCE, UNITED STATES SPACE FORCE, AND UNITED STATES COAST GUARD). WHEN DISPLAYING THE SEALS, FLAGS, INSIGNIA, ETC. FOR U.S. MILITARY BRANCHES, THERE IS AN ORDER OF PRECEDENCE. MILITARY BRANCHES ARE ORDERED BY THE DATE OF ESTABLISHMENT AND THE DISPLAY IS PART OF THE U.S. CODES. IN ORDER OF PRECEDENCE - FROM LEFT TO RIGHT, FROM TOP TO BOTTOM - 1. UNITED STATES ARMY, 2. UNITED STATES MARINE CORPS, 3. UNITED STATES NAVY, 4. UNITED STATES AIR FORCE, 5. UNITED STATES COAST GUARD, AND 6. UNITED STATES SPACE FORCE. MOUNTED WITH CONCEALED STUDS. AVAILABLE THROUGH THE FOLLOWING MANUFACTURES OR APPROVED EQUAL:  
A. METAL DESIGNS, LLC 888-504-4002  
B. UNITED STATES BRONZE, 800-872-5155  
C. ART SIGN WORKS, INC., 951-698-8484.  
  
FABRICATOR TO PROVIDE SHOP DRAWINGS FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION. SEE DETAIL 1/ L-201
- (6) WAR MEMORIAL COLUMNS. ALL SIDES TO BE BRUSHED, BOTTOM TO BE SAWN, TOP TO BE HONED. AVAILABLE THROUGH THE FOLLOWING MANUFACTURERS OR APPROVED EQUAL:  
A. MANKATO LIMESTONE AVAILABLE THROUGH EARTHWORKS STONE, 800-887-4555, 4287 N. HWY 51, PERRYVILLE, MO 63775.  
B. TUSCAN TAN LIMESTONE AVAILABLE THROUGH SEMCO STONE, 573-547-1072, PERRYVILLE, MO 63775.  
C. ANAMOSA LIMESTONE AVAILABLE THROUGH WEBER STONE COMPANY, 319-462-3581, 12791 STONE CITY ROAD CTY RD X28, ANAMOSA, IA 52205.  
  
FABRICATOR TO PROVIDE SHOP DRAWINGS SHOWING ALL FINISHES AND MOUNTING PINS. FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION. SEE DETAIL 1/ L-201.
- (1) CAST BRONZE BAS-RELIEF MISSOURI VETERAN COMMISSION SEAL PLAQUE SHALL BE 24" DIAMETER BY 1" THICK WITH RELIEF TO BE 1/4" OR LESS RAISED HIGHLIGHTED IMAGES WITH DARK BROWN BACKGROUND. MOUNTED WITH CONCEALED STUDS. AVAILABLE THROUGH THE FOLLOWING MANUFACTURERS OR APPROVED EQUAL:  
A. METAL DESIGNS, LLC, 888-504-4002.  
B. UNITED STATES BRONZE, 800-872-5155.  
C. ART SIGN WORKS, INC., 951-698-8484.  
  
FABRICATOR TO PROVIDE SHOP DRAWINGS FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION. SEE DETAIL 2/ L-201
- DETECTABLE WARNING SURFACE. REFER TO DETAILS ON SHEET C-008
- (2) DOWN LIT, ALUMINUM FLAG POLES. POLES TO BE 25' TALL. SEE DETAIL 7/L-201.
- (1) DOWN LIT, ALUMINUM FLAG POLE. POLE TO BE 30' TALL. SEE DETAIL 7/L-201.
- (6) DOWN LIT, ALUMINUM FLAG POLES. POLES TO BE 20' TALL. SEE DETAIL 7/L-201.
- (5) LIGHTED BOLLARD. SEE ELECTRICAL PLANS
- (4) NEW ENTRY LIGHTING FIXTURES. EXISTING LIGHT POLES SALVAGED DURING DEMOLITION SHALL BE REINSTALLED. NEW FOUNDATION AND ANCHOR BOLTS. ANCHOR BOLT PATTERN TO MATCH EXISTING POLES. REFER TO ELECTRICAL PLANS FOR FOUNDATION DETAIL.
- (12) SECURITY BOLLARDS. BASIS OF DESIGN TO BE MODEL 360-SF, TYPE G - GROUND MOUNT. COLOR: BLACK. MANUFACTURED BY: BOLLARDSUSA, 13044 MIDDLETOWN INDUSTRIAL BLVD, LOUISVILLE, KY 40223, PH: 502-554-1178. OR APPROVED EQUAL. INSTALL PER MANUFACTURERS INSTRUCTIONS. SEE DETAIL 8/L-201 FOR REFERENCE INSTALLATION DETAIL.
- (4) LANDSCAPE UP LIGHTING. REFER TO ELECTRICAL PLANS FOR DETAILS.
- PAINTED CROSSWALK. REFER TO DETAIL ON SHEET C-008.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY:  
CHECKED BY:  
DESIGNED BY:

SHEET TITLE:

**HARDSCAPE  
MATERIALS PLAN -  
NORTH**

SHEET NUMBER:

**L-101**

SHEET 13 OF 197  
ISSUE DATE: 08/15/2024



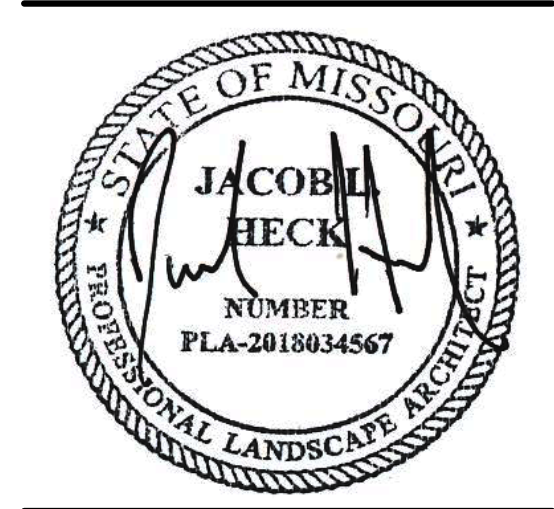
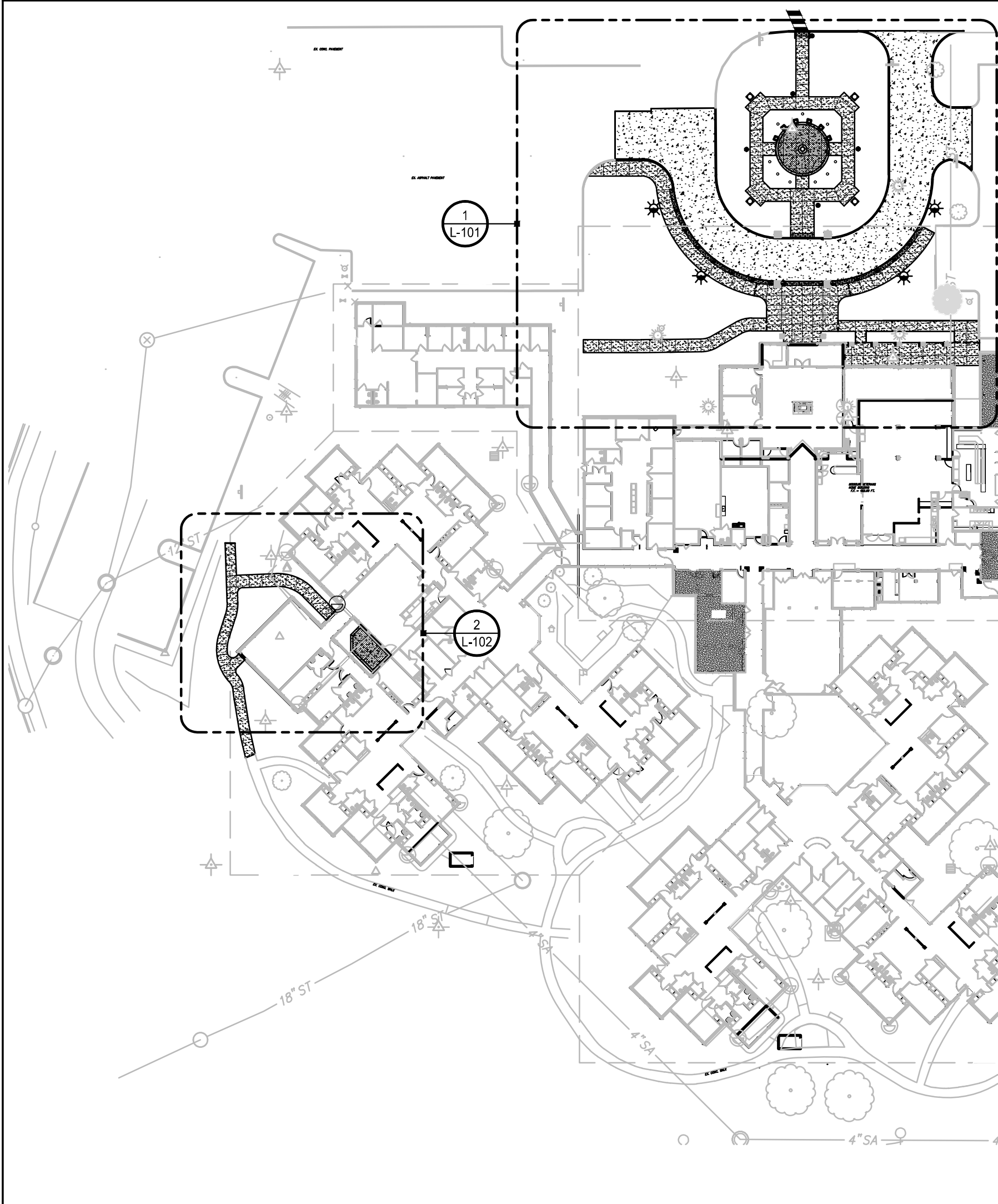


**LEGEND**

- 6,180 S.F. - 6" P.C. CONCRETE PAVEMENT (SEE DETAIL 6/L-201)
- 713 S.F. - 6" STAMPED COLORED P.C. CONCRETE (SEE DETAIL 4/L-201 & SPECIFICATION 03 3533)
- 5,936 S.F. - 4" P.C. CONCRETE PAVEMENT (SEE DETAIL 3/L-201)

**# KEYED NOTES**

- (6) CAST BRONZE BAS-RELIEF MILITARY SERVICE SEAL PLAQUES SHALL BE 16" DIAMETER BY 1/2" THICK RAISED HIGHLIGHTED IMAGES WITH DARK BROWN BACKGROUND. ONE FOR EACH MILITARY BRANCH (UNITED STATES ARMY, UNITED STATES MARINE CORPS, UNITED STATES NAVY, UNITED STATES AIR FORCE, UNITED STATES SPACE FORCE, AND UNITED STATES COAST GUARD). WHEN DISPLAYING THE SEALS, FLAGS, INSIGNIA, ETC. FOR U.S. MILITARY BRANCHES, THERE IS AN ORDER OF PRECEDENCE. MILITARY BRANCHES ARE ORDERED BY THE DATE OF ESTABLISHMENT AND THE DISPLAY IS PART OF THE U.S. CODES. IN ORDER OF PRECEDENCE - FROM LEFT TO RIGHT, FROM TOP TO BOTTOM - 1. UNITED STATES ARMY, 2. UNITED STATES MARINE CORPS, 3. UNITED STATES NAVY, 4. UNITED STATES AIR FORCE, AND 5. UNITED STATES COAST GUARD. MOUNTED WITH CONCEALED STUDS. AVAILABLE THROUGH THE FOLLOWING MANUFACTURERS OR APPROVED EQUAL:  
A. METAL DESIGNS, LLC 888-504-4002  
B. UNITED STATES BRONZE, 800-872-5155  
C. ART SIGN WORKS, INC., 951-698-8484.  
  
FABRICATOR TO PROVIDE SHOP DRAWINGS FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION. SEE DETAIL 1/L-201
- (6) WAR MEMORIAL COLUMNS. ALL SIDES TO BE BRUSHED, BOTTOM TO BE SAWN, TOP TO BE HONED. AVAILABLE THROUGH THE FOLLOWING MANUFACTURERS OR APPROVED EQUAL:  
A. MANKATO LIMESTONE AVAILABLE THROUGH EARTHWORKS STONE, 800-887-4555, 4287 N. HWY 51, PERRYVILLE, MO 63775.  
B. TUSCAN TAN LIMESTONE AVAILABLE THROUGH SEMCO STONE, 573-547-1072, PERRYVILLE, MO 63775.  
C. ANAMOSA LIMESTONE AVAILABLE THROUGH WEBER STONE COMPANY, 319-462-3581, 12791 STONE CITY ROAD CTY RD X28, ANAMOSA, IA 52205.  
  
FABRICATOR TO PROVIDE SHOP DRAWINGS SHOWING ALL FINISHES AND MOUNTING PINS, FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION. SEE DETAIL 1/L-201.
- (1) CAST BRONZE BAS-RELIEF MISSOURI VETERAN COMMISSION SEAL PLAQUE SHALL BE 24" DIAMETER BY 1" THICK WITH RELIEF TO BE 1/4" OR LESS RAISED HIGHLIGHTED IMAGES WITH DARK BROWN BACKGROUND. MOUNTED WITH CONCEALED STUDS. AVAILABLE THROUGH THE FOLLOWING MANUFACTURERS OR APPROVED EQUAL:  
A. METAL DESIGNS, LLC, 888-504-4002.  
B. UNITED STATES BRONZE, 800-872-5155.  
C. ART SIGN WORKS, INC., 951-698-8484.  
  
FABRICATOR TO PROVIDE SHOP DRAWINGS FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION. SEE DETAIL 2/L-201
- DETECTABLE WARNING SURFACE. REFER TO DETAILS ON SHEET C-008
- (2) DOWN LIT, ALUMINUM FLAG POLES. POLES TO BE 25' TALL. SEE DETAIL 7/L-201.
- (1) DOWN LIT, ALUMINUM FLAG POLE. POLE TO BE 30' TALL. SEE DETAIL 7/L-201.
- (6) DOWN LIT, ALUMINUM FLAG POLES. POLES TO BE 20' TALL. SEE DETAIL 7/L-201.
- (5) LIGHTED BOLLARD. SEE ELECTRICAL PLANS
- (4) NEW ENTRY LIGHTING FIXTURES. EXISTING LIGHT POLES SALVAGED DURING DEMOLITION SHALL BE REINSTALLED. NEW FOUNDATION AND ANCHOR BOLTS. ANCHOR BOLT PATTERN TO MATCH EXISTING POLES. REFER TO ELECTRICAL PLANS FOR FOUNDATION DETAIL.
- (12) SECURITY BOLLARDS. BASIS OF DESIGN TO BE MODEL A12891. COLOR: BLACK. MANUFACTURED BY: LIGMAN LIGHTING USA. SUPPLIED BY: ST LOUIS LIGHTING, 7414 MANCHESTER RD, ST LOUIS, MO 63143, PH: 314-963-3311. OR APPROVED EQUAL. INSTALL PER MANUFACTURERS INSTRUCTIONS.
- (4) LANDSCAPE UP LIGHTING. REFER TO ELECTRICAL PLANS FOR DETAILS.
- PAINTED CROSSWALK. REFER TO DETAIL ON SHEET C-008.



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043

#	DATE	DESCRIPTION
---	------	-------------

DRAWN BY:  
CHECKED BY:  
DESIGNED BY:

SHEET TITLE:  
**HARDSCAPE  
MATERIALS PLAN -  
SOUTH**

SHEET NUMBER:  
**L-102**



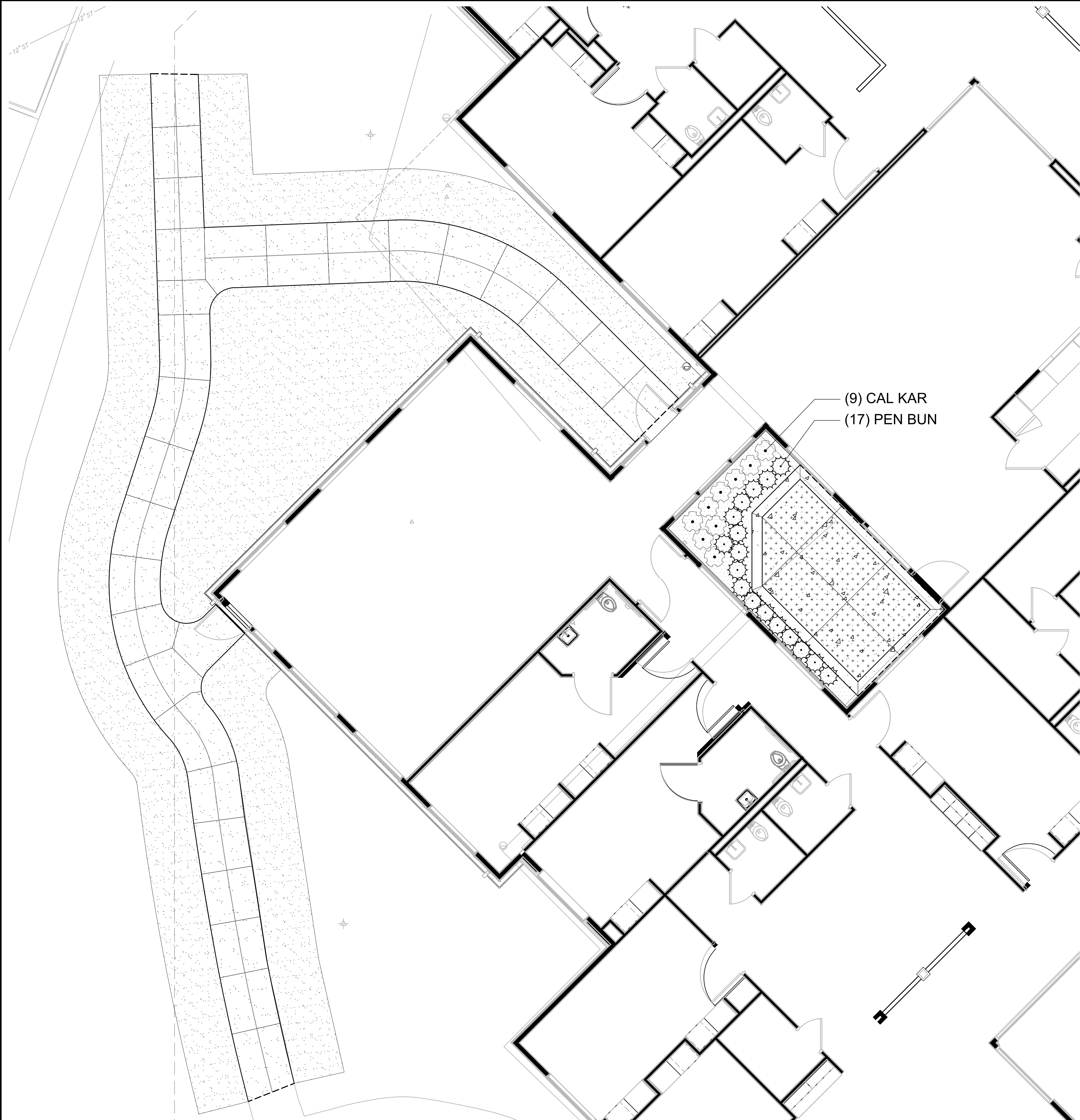






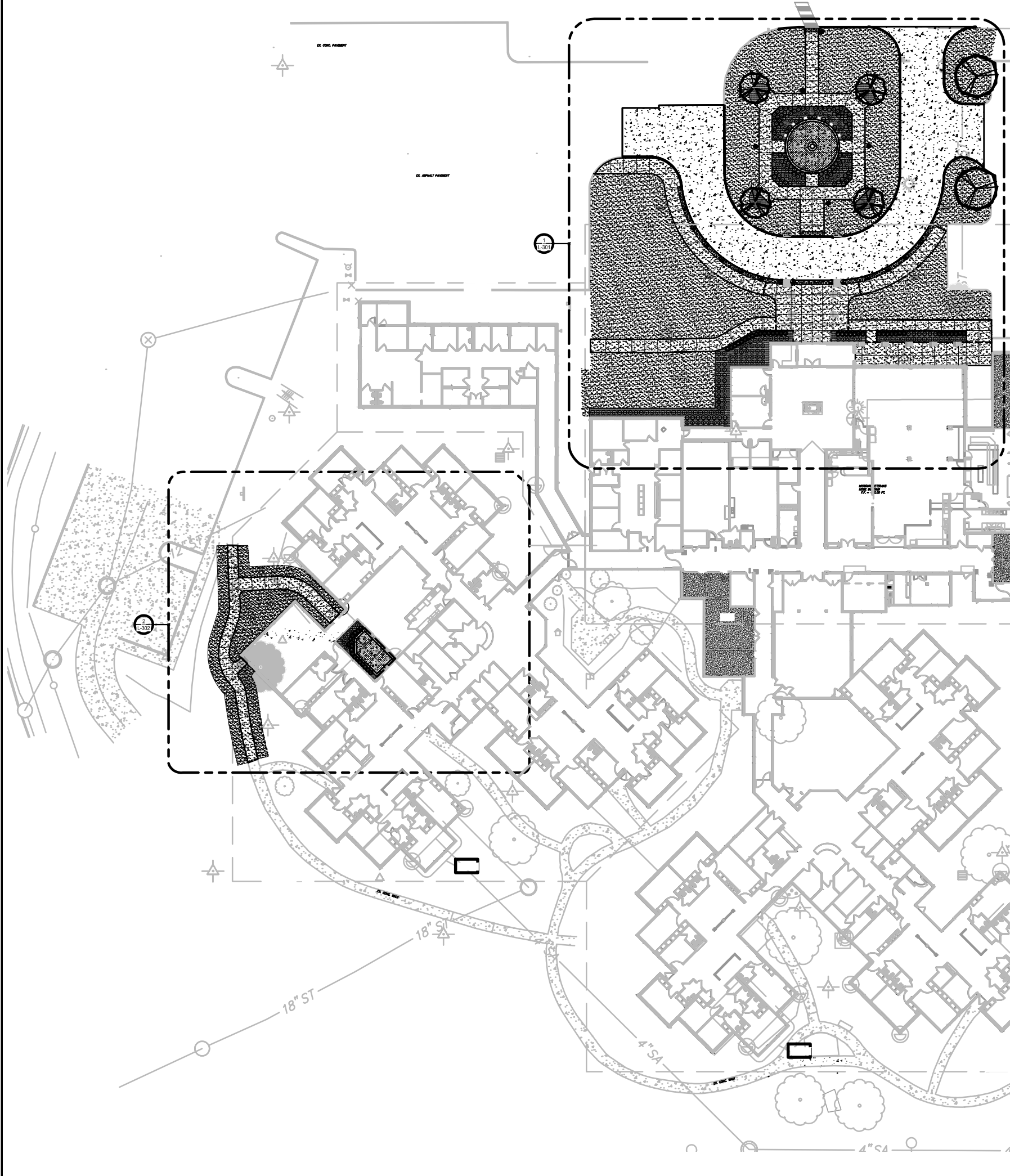
SHEET 16 OF 197  
ISSUE DATE: 08/15/2024





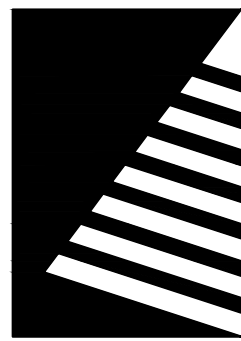
**2** COURTYARD ENLARGEMENT  
SCALE: 1"= 5'

- GENERAL NOTES**
1. IF THERE ARE DISCREPANCIES BETWEEN PLANT QUANTITIES ON THE PLANS AND THE PLANT SCHEDULE USE THE QUANTITIES FROM THE PLAN. ALL QUANTITIES ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO BUILD WHAT IS SHOWN ON THE PLANS
  2. COORDINATE ALL TREE UP-LIGHTS AND LIGHT BOLLARDS IN FIELD WITH LANDSCAPE ARCHITECT OR OWNER PRIOR TO INSTALLATION
  3. FOR PLANTING DETAILS, SEE SHEET L-401
  4. FOR PLANT SCHEDULE, SEE SHEET L-401
  5. REFER TO SPECS FOR ADDITIONAL INFORMATION



**1** PLANTING PLAN - SOUTH  
SCALE: 1"= 50'

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043  
# DATE: DESCRIPTION:

DRAWN BY:  
CHECKED BY:  
DESIGNED BY:

SHEET TITLE:  
**PLANTING PLAN - SOUTH**

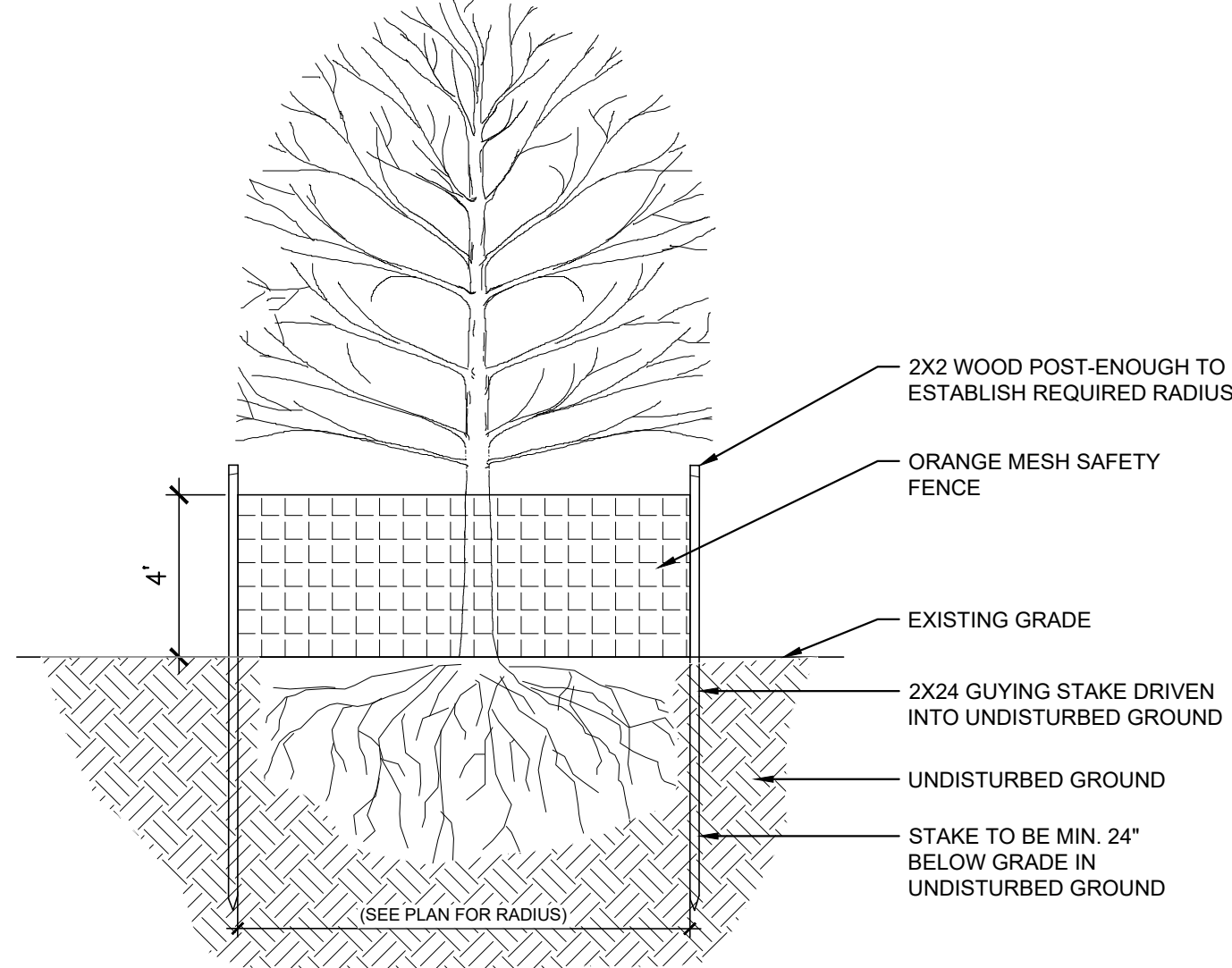
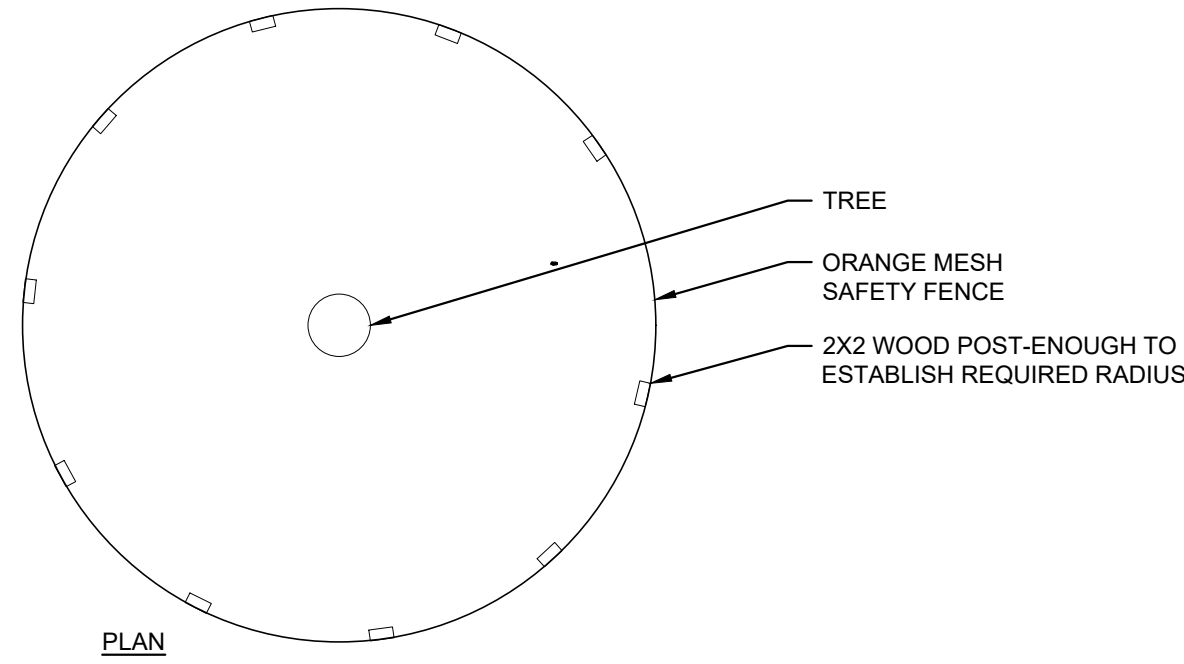
SHEET NUMBER:  
**L-302**

SHEET 17 OF 197  
ISSUE DATE: 08/15/2024



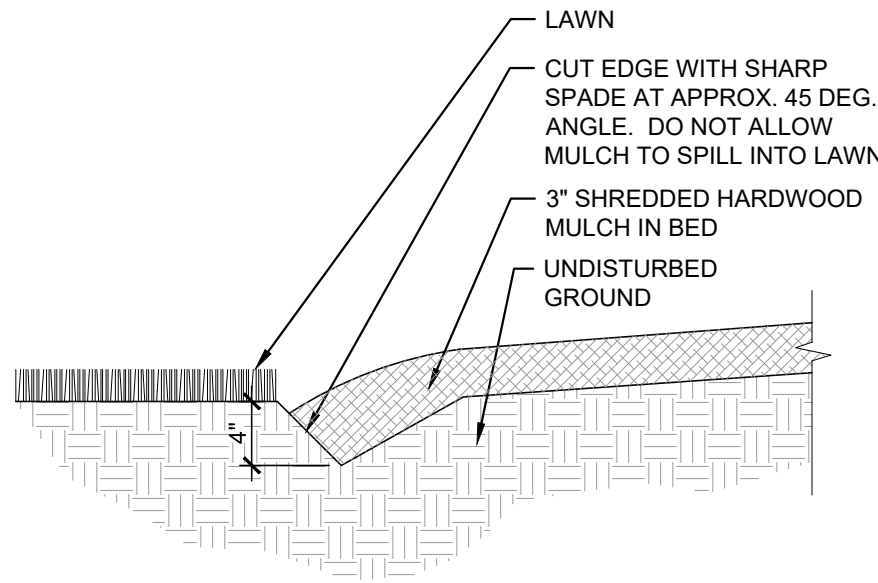
PLANT SCHEDULE FRONT ENTRY

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	
TREES						
	ACE AUT	2	ACER RUBRUM 'AUTUMN BLAZE'	AUTUMN BLAZE RED MAPLE	2.5" CAL	
	AME ARB	4	AMELANCHIER ARBOREA 'AUTUMN BRILLIANCE'	DOWNY SERVICEBERRY	8' HT.	
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE		
GRASSES						
AND SCO	35	ANDROPOGON SCOPARIUS	LITTLE BLUESTEM	1 GAL		
CAL KAR	105	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	1 GAL		
PEN BUN	54	PENNISETUM ALOPECUROIDES 'LITTLE BUNNY'	LITTLE BUNNY FOUNTAIN GRASS	1 GAL		
SPO HET	133	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	1 GAL		
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	VARIETY	SPACING
GROUND COVERS						
	M1	2,213 SF	MULCH	HARDWOOD		S.F.
	TUR SEE	13,654 SF	TURF SEED	DROUGHT TOLERANT FESCUE BLEND		SEED

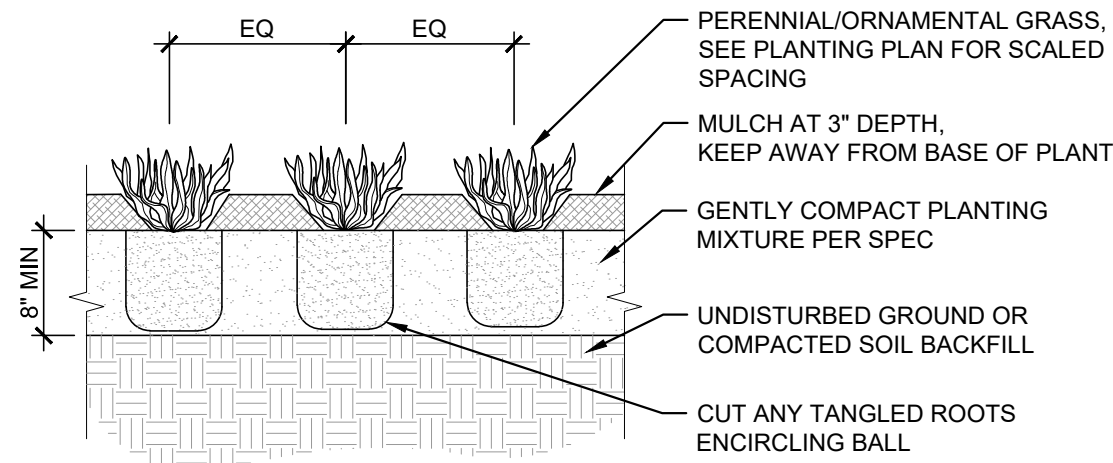


- NOTES:
- BARRIER PREVENTS COMPACTION OF SOIL AROUND ROOTS BY CONSTRUCTION EQUIPMENT.
  - RADIUS OF FENCING TO BE DETERMINED BY THE FOLLOWING FORMULA: FOR EVERY 1" OF DBH (DIAMETER AT BREAST HEIGHT) OF THE EXISTING TREE, THERE SHALL BE 1' RADIUS OF PROTECTIVE FENCE. THEREFORE, AN 8" DBH TREE WOULD HAVE A PROTECTIVE FENCE WITH A RADIUS OF 8'.

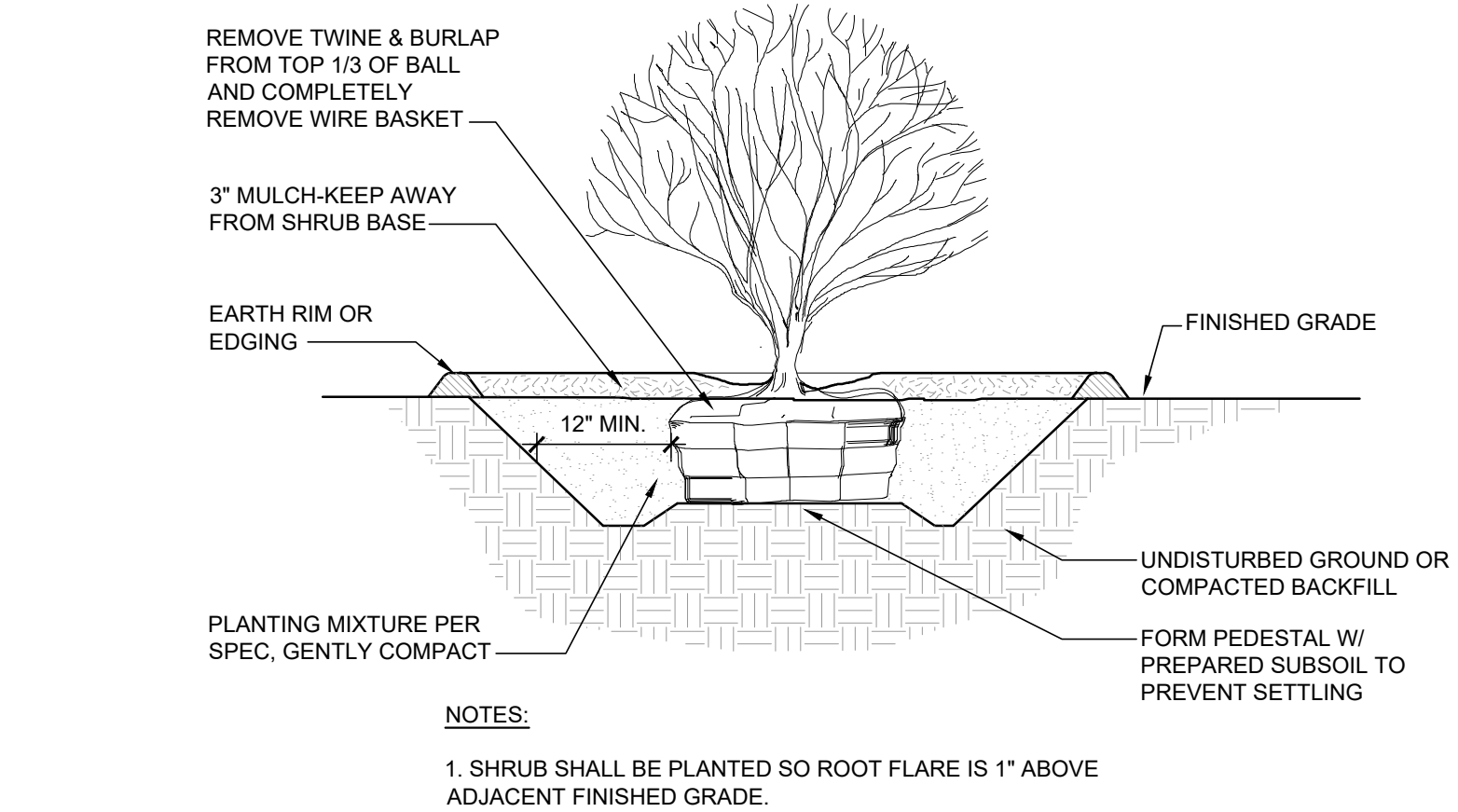
6 TREE PROTECTION FENCE  
SCALE:NOT TO SCALE



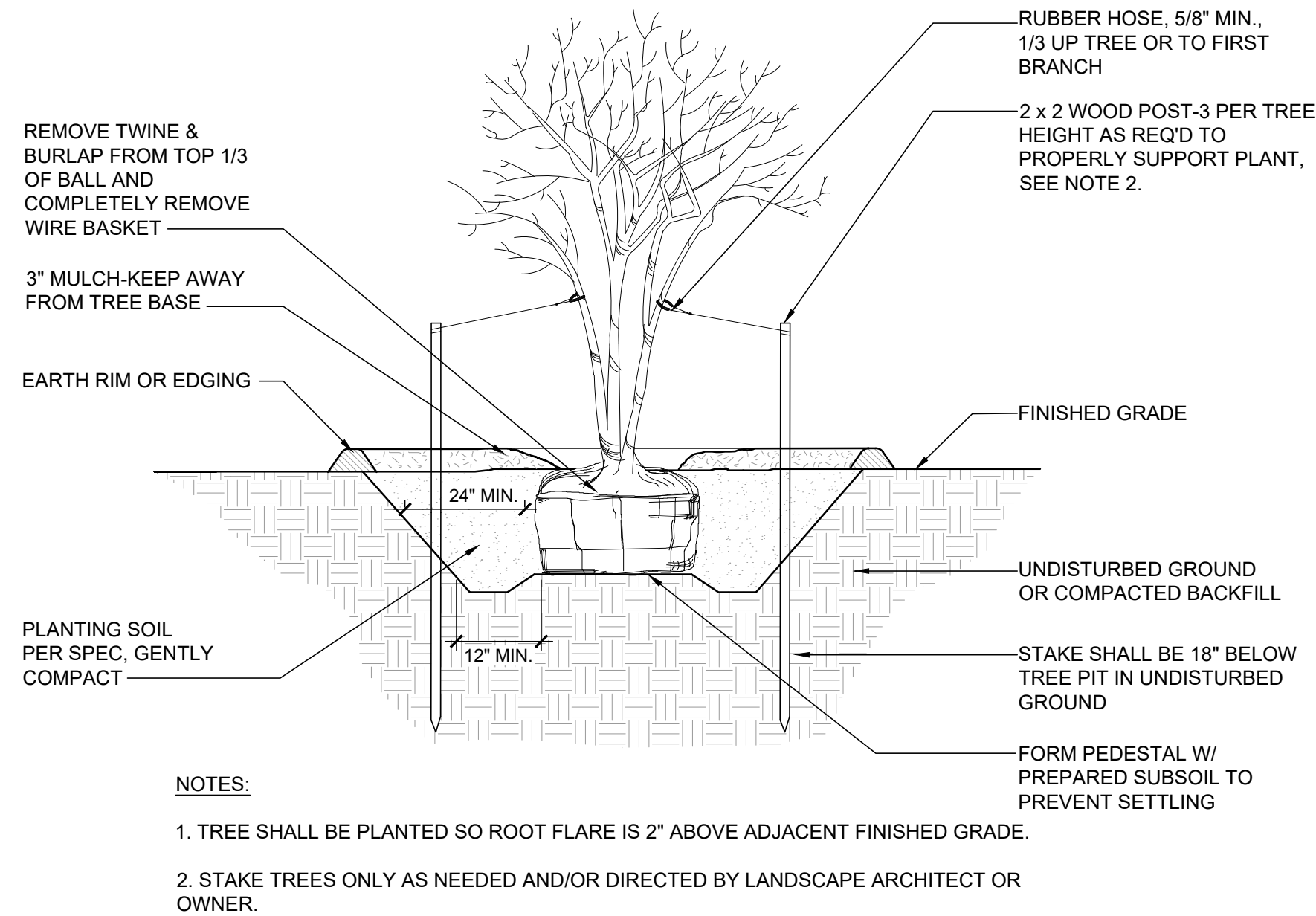
5 LANDSCAPE EDGING  
SCALE:NOT TO SCALE



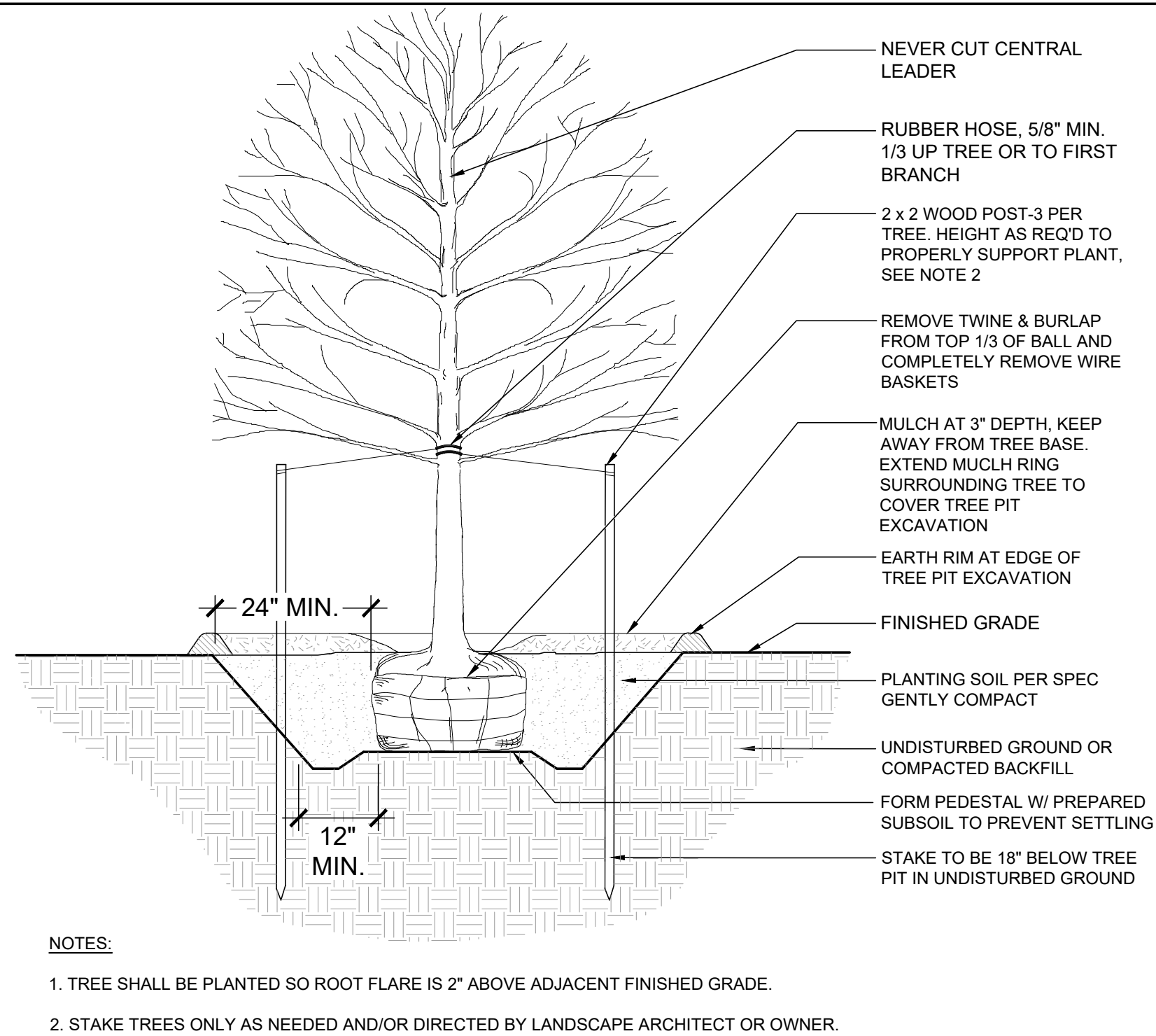
4 PERENNIAL PLANTING  
SCALE:NOT TO SCALE



3 SHRUB PLANTING  
SCALE:NOT TO SCALE

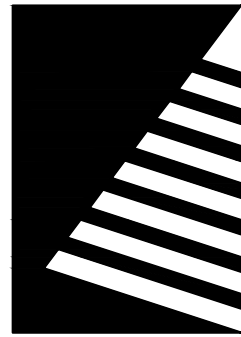


2 MULTI-STEM TREE PLANTING  
SCALE:NOT TO SCALE



1 DECIDUOUS TREE PLANTING  
SCALE:NOT TO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY:  
CHECKED BY:  
DESIGNED BY:

SHEET TITLE:  
**PLANTING DETAILS**

SHEET NUMBER:

**L-401**

SHEET 18 OF 197  
ISSUE DATE: 08/15/2024



ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO SIMILAR CONDITIONS ELSEWHERE.

2. THESE NOTES SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND THE DRAWINGS. IN THE EVENT OF A CONFLICT, NOTIFY THE ENGINEER FOR CLARIFICATION.

3. THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK; SEE SPECIFICATIONS.

4. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR DETERMINING THE MEANS, METHODS, SEQUENCES, AND SAFETY PROCEDURES USED IN PERFORMING THE WORK. SHOULD THE ENGINEER VISIT THE SITE, IT IS IN THE CAPACITY AS ENGINEER AND NOT IN THE CAPACITY OF A CONTRACTOR.

5. REQUESTS FOR INFORMATION SHALL BE SUBMITTED TO THE ENGINEER UNLESS OTHERWISE NOTED.

6. THE CONTRACTOR IS TO ASSUME FULL RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATIONS, FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.

7. THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE BASED ON MATERIAL PROVIDED BY THE OWNER AND NO CLAIM IS MADE AS TO ITS ABSOLUTE COMPLETENESS AND/OR ACCURACY PRIOR TO THE START OF CONSTRUCTION OPERATIONS.

8. WHERE NEW CONSTRUCTION ABUTS OR INTEGRATES WITH EXISTING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT THE EXISTING CONDITIONS AND DIMENSIONS ARE CLOSE TO THOSE THAT HAVE BEEN ASSUMED. IF THERE ARE ANY VARIANCES THAT WILL PREVENT THE WORK FROM BEING COMPLETED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, THEY SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY UPON DISCOVERY. THE ENGINEER SHALL ADVISE THE CONTRACTOR AS TO THE NECESSARY MODIFICATIONS.

9. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SCOPE OF THE WORK AND SOIL AND WATER CONDITIONS BEFORE PROCEEDING WITH THE WORK. SOIL BORING LOCATIONS AND SOIL BORING LOGS ARE INCLUDED IN THE SPECIFICATIONS. SOIL INFORMATION RELEASED IN THE SPECIFICATIONS IS FOR GENERAL INFORMATION ONLY. THE ACTUAL CONDITIONS MAY VARY AT THE SITE.

10. THE CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE STRUCTURAL ENGINEER AND GEOTECHNICAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

11. VERIFY SIZE AND LOCATIONS OF HOLES AND SLEEVES THROUGH MASONRY AND CONCRETE WALLS AND SLABS WITH MECHANICAL AND PLUMBING CONTRACTORS.

12. ALL LATERAL LOAD RESISTANCE AND STABILITY OF THE BUILDING IN THE COMPLETED STRUCTURE IS PROVIDED BY WOOD SHEAR WALLS AND STEEL FRAMES (SEE PLAN SHEETS FOR LOCATIONS). THESE WALLS AND FRAMES PROVIDE ALL LATERAL LOAD RESISTANCE IN EACH ORTHOGONAL BUILDING DIRECTION. THE WOOD ROOF AND FLOOR DECKS SERVE AS HORIZONTAL DIAPHRAGMS THAT DISTRIBUTE THE LATERAL WIND AND SEISMIC FORCES HORIZONTALLY TO THE SHEAR WALLS AND FRAMES. THE SHEAR WALLS AND FRAMES CARRY THE APPLIED LATERAL LOADS TO THE BUILDING FOUNDATION.

13. SEE ARCHITECTURAL DRAWINGS FOR:

- SIZE AND LOCATION OF DOOR AND WINDOW OPENINGS, EXCEPT AS SHOWN OR NOTED.
- FLOOR AND ROOF FINISHES, DRAINAGE, AND WATERPROOFING
- FIREPROOFING REQUIREMENTS
- DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.

14. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR:

- PIPE RUNS, SLEEVES, TRENCHES, WALLS AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.
- ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS
- CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL, OR PLUMBING FIXTURES.
- DUCTWORK LOCATIONS FOR COORDINATION WITH TRUSS MEMBER LAYOUT.

15. OPENINGS, POCKETS, ETC., LARGER THAN 6" SHALL NOT BE PLACED IN CONCRETE SLABS, AND WALLS, UNLESS SPECIALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., LARGER THAN 6" NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS.

16. FOR PIPES EMBEDDED IN CONCRETE:

- a. PIPES LARGER THAN 1-1/2" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY SEOR.
- b. PIPES SHALL NOT DISPLACE OR INTERRUPT REINFORCING BARS.
- c. DO NOT STACK CONDUITS. SPACE EMBEDDED PIPES AND CONDUITS AT A MINIMUM OF 3 DIAMETERS CLEAR FROM OTHER EMBEDDED PIPES/CONDUITS AND REBAR.

17. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOOR OR ROOF. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. THE CONTRACTOR SHALL DESIGN AND PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.

18. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE DESIGN INTENT FOR THE FINISHED STRUCTURE. THEY DO NOT INDICATE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE CONTRACTOR IS RESPONSIBLE FOR PROVISIONS OF TEMPORARY SHORING AND OTHER CONSTRUCTION AIDS, INCLUDING ALL ENGINEERING OF SUCH SYSTEMS, FOR TEMPORARY SUPPORT OF NEW AND/OR EXISTING STRUCTURAL ELEMENTS AS REQUIRED FOR ERECTION AND OTHER CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION, UNLESS NOTED OTHERWISE. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

1. GEOTECHNICAL INFORMATION AND FOUNDATION DESIGN IS BASED ON THE FOLLOWING GEOTECHNICAL REPORT(S):  
REPORTS OF SOIL EXPLORATION BY SCI ENGINEERING, INC REPORT NO. 2004-0063, 10, TASK 100 DATED SEPTEMBER 2018

2. COPIES OF THE REPORT(S) AND ANY ADDENDUM/SUPPLEMENTAL LETTERS SHALL BE AVAILABLE AT THE JOBSITE AT ALL TIMES.

3. FOOTING DESIGN CRITERIA:

ALLOWABLE BEARING CAPACITY	2,000 PSF FOR WALL FOOTINGS
	2,400 PSF FOR ISOLATED FOOTINGS
PASSIVE LATERAL RESISTANCE	250 PSF
COEFFICIENT OF FRICTION	0.3
FROST DEPTH	30 IN.

4. COMPACTED FILL FOR THE PURPOSE OF UNDERLYING BUILDING OR SITE STRUCTURES SHALL BE PREPARED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT.

5. REFER TO THE PROJECT GEOTECHNICAL REPORT FOR EXTENT AND DEPTH OF OVEREXCAVATION (SUB-EXCAVATION), AND FOR RECOMPACTION AND SOIL CONDITIONING REQUIREMENTS.

6. BOTTOM DEPTHS OF EXCAVATION AS WELL AS ALL PLACEMENT AND COMPACTION OF FILL SHALL BE OBSERVED AND TESTED BY THE PROJECT GEOTECHNICAL ENGINEER.

7. ALL PAD FOOTINGS SHALL BE CENTERED ON BUILDING COLUMN REFERENCE LINES UNLESS INDICATED BY AN OFFSET DIMENSION.

8. ALL WALL FOOTINGS SHALL BE CENTERED ON WALL CENTERLINE UNLESS INDICATED BY AN OFFSET DIMENSION.

9. ALL FOOTINGS SHALL REST ON UNDISTURBED SOIL OR COMPACTED FILL WHICH HAS A MINIMUM ALLOWABLE BEARING CAPACITY EQUAL TO OR GREATER THAN THAT NOTED ABOVE.

10. BACKFILL SHALL BE PLACED EVENLY AGAINST EACH SIDE OF SUBGRADE STRUCTURAL ELEMENTS TO PRODUCE APPROXIMATELY EQUAL AND OPPOSITE LATERAL PRESSURES.

THE STRUCTURAL ENGINEERING DESIGN IS BASED ON AND IN ACCORDANCE WITH THE FOLLOWING CODE:			
INTERNATIONAL BUILDING CODE - 2021			
2. UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, THE STRUCTURAL DESIGN IS BASED ON THE FOLLOWING TYPICAL UNIFORM LOADS:			
DEAD LOADS	ROOF TOP CHORD	=	12 PSF
	ROOF BOTTOM CHORD	=	11 PSF
	MEZZANINE	=	15 PSF
LIVE LOADS	ROOF	=	20 PSF
	MEZZANINE	=	80 PSF
SNOW LOADS	P <sub>g</sub>	=	15 PSF
	P <sub>f</sub>	=	22 PSF
	C <sub>e</sub>	=	0.9
	I	=	1.1
	C <sub>t</sub>	=	1.2
WIND DESIGN DATA	V (ULT)	=	120 MPH
EXPOSURE CATEGORY	C	=	C
	G <sub>Cpi</sub>	=	(+/-)0.18
COMPONENTS AND CLADDING			
ZONE	EFFECTIVE WIND AREA (SF)		ULTIMATE WIND PRESSURE (PSF)
1	10	=	+31.4/-34.3
	20	=	+30.5/-32.6
	50	=	+29.4/-30.2
	100	=	+28.5/-28.5
2	10	=	+31.4/-40.1
	20	=	+30.5/-38.4
	50	=	+29.4/-36.1
	100	=	+28.5/-34.3
3	10	=	+31.4/-40.1
	20	=	+30.5/-38.4
	50	=	+29.4/-36.1
	100	=	+28.5/-34.3
4	10	=	+34.3/-37.2
	20	=	+32.8/-35.7
	50	=	+30.7/-33.6
	100	=	+29.2/-32.1
	500	=	+25.6/-28.5
5	10	=	+34.3/-45.9
	20	=	+32.8/-42.9
	50	=	+30.7/-38.8
	100	=	+29.2/-35.7
	500	=	+25.6/-28.5
EARTHQUAKE DESIGN DATA			
	I	=	1.25
RISK CATEGORY	III	=	III
	S <sub>s</sub>	=	1.119
	S <sub>1</sub>	=	0.392
SITE CLASS	D	=	D
SDS	=	0.79	
	SD1	=	0.418
SEISMIC DESIGN CATEGORY	D	=	D
BASIC SEISMIC-FORCE-RESISTING SYSTEM		=	LIGHT FRAME WALLS WITH WOOD SHEAR PANELS (NORTH-SOUTH DIRECTION)
	R	=	6.5
	C <sub>s</sub>	=	0.151
	V	=	0.151W
BASIC SEISMIC-FORCE-RESISTING SYSTEM		=	ORDINARY STEEL MOMENT FRAMES (EAST-WEST DIRECTION)
	R	=	3.5
	C <sub>s</sub>	=	0.280
	V	=	0.280W
BASIC SEISMIC-FORCE-RESISTING SYSTEM		=	ORDINARY STEEL CONCENTRICALLY BRACED FRAMES (EAST-WEST DIRECTION)
	R	=	3.25
	C <sub>s</sub>	=	0.301
	V	=	0.301W
ANALYSIS PROCEDURE		=	EQUIVALENT LATERAL FORCE ANALYSIS

1. ENGINEERED TIMBER CONSTRUCTION DESIGNED IN ACCORDANCE WITH THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" BY THE NATIONAL FOREST PRODUCTS ASSOCIATION DATED 2015.

A. WOOD BEAMS, HEADERS, RAFTERS, AND OTHER STRUCTURAL WOOD MEMBERS WHICH ARE 2" TO 4" THICK AND WIDER THAN 6" SHALL BE MIXED SOUTHERN PINE NO 2 AND HAVE THE FOLLOWING MINIMUM PROPERTIES:

Fb (SINGLE MEMBER USE) .....	2100	PSI
F <sub>h</sub> (PARALLEL TO GRAIN) .....	1800	PSI
F <sub>v</sub> (PERPENDICULAR TO GRAIN) .....	565	PSI
F <sub>v</sub> (PERPENDICULAR TO GRAIN) .....	175	PSI
E .....	1,800,000	PSI

2. TIMBER CONNECTIONS SHALL BE AS SHOWN ON THE DRAWINGS, AND WHEN NOT DETAILED, SHALL CONFORM TO ACCEPTED INDUSTRY STANDARDS SUBJECT TO THE ENGINEER'S APPROVAL.

3. LVL BEAMS WHERE SPECIFIED SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

Fb (SINGLE MEMBER USE) .....	2600	PSI
F <sub>h</sub> (PARALLEL TO GRAIN) .....	2510	PSI
F <sub>v</sub> (PERPENDICULAR TO GRAIN) .....	750	PSI
F <sub>v</sub> .....	285	PSI
E .....	2,000,000	PSI

4. ENGINEERED TIMBER CONSTRUCTION TO BE DESIGNED IN ACCORDANCE WITH THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" BY THE NATIONAL FOREST PRODUCTS ASSOCIATION DATED 2015.

5. TIMBER CONNECTIONS SHALL BE AS SHOWN ON THE DRAWINGS, AND WHEN NOT DETAILED, SHALL CONFORM TO ACCEPTED INDUSTRY STANDARDS SUBJECT TO THE ENGINEER'S APPROVAL.

1. REINFORCED CONCRETE DESIGNED IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) BY THE AMERICAN CONCRETE INSTITUTE.

2. REINFORCING BAR DETAILING, FABRICATING, AND PLACING SHALL CONFORM TO THE CONCRETE REINFORCING STEEL INSTITUTE'S "REINFORCING BAR DETAILING" AND "PLACING REINFORCING BARS".

3. MINIMUM CONCRETE COMPRESSIVE STRENGTH (FC) AT 28 DAYS:

FOOTINGS	4000 PSI
FOUNDATION WALLS AND PEDESTALS	4000 PSI
SLABS ON GRADE	4000 PSI

4. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE I/II, UNLESS OTHERWISE NOTED.

5. CONCRETE REINFORCEMENT:

DEFORMED BARS - ONE BILLET STEEL COMPLYING WITH ASTM A615 AND HAVING A MINIMUM YIELD STRENGTH OF 60000 PSI.

WELDED WIRE FABRIC - SMOOTH WIRE FABRIC COMPLYING WITH ASTM A185

6. CONCRETE PROTECTION FOR REINFORCEMENT:

UNLESS OTHERWISE SHOWN THE CLEAR DISTANCE FROM THE FACE OF CONCRETE TO THE REINFORCING STEEL SHALL BE:

CONCRETE POURED AGAINST GROUND (NOTE A)	3"
CONCRETE POURED AGAINST FORMS (NOTE A, B):	
#6 BARS OR LARGER	2"
SMALLER THAN #6 BARS:	1 1/2"
SLABS POURED TO FORMS:	
FORMED SURFACE (NOTE B)	3/4"
TROWELED SURFACE (NOTE B)	1"
SCREEDED SURFACE FOR APPLIED TOPPING	3/4"
SLABS POURED ON GRADE:	
FROM BOTTOM SURFACE	2"
TROWELED SURFACE (NOTE B)	1"
SCREEDED SURFACE FOR APPLIED TOPPING	3/4"

(NOTE A) EXCLUDING SLABS POURED ON GRADE.

(NOTE B) INCREASE BY 1/2" IF SURFACE IS TO BE IN PERMANENT CONTACT WITH GROUND OR WATER.

7. UNLESS OTHERWISE SHOWN OR NOTED, SPLICING OF REINFORCING BARS OR WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ACI 318.

8. ARRANGE, SPACE, AND SECURELY TIE BARS AND BAR SUPPORTS TO HOLD REINFORCEMENT IN POSITION DURING CONCRETE PLACEMENT OPERATIONS. SET WIRE TIES SO ENDS ARE DIRECTED INTO CONCRETE.

9. PROVIDE SUPPORT FOR REINFORCEMENT INCLUDING BOLSTERS, CHAIRS, AND SPACERS WITH SAND PLATES FOR SUPPORTING AND FASTENING REINFORCING BARS TO PROVIDE THE CONCRETE COVER INDICATED.

10. ALTERNATE LOCATION OF LAP SPLICE IN WALLS AND SLABS.

11. USE OF CONSTRUCTION JOINTS AT LOCATIONS OTHER THAN THOSE INDICATED ON THE DRAWINGS SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER.

12. ALL KEYS FOR CONSTRUCTION JOINTS SHALL BE 2" X 4" (NOMINAL) UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS.

13. UNLESS OTHERWISE SHOWN OR NOTED, PROVIDE 2-#5 BARS (1-EACH FACE) AROUND UNFRAMED OPENINGS IN CONCRETE WALLS AND GRADE BEAMS. PLACE BARS PARALLEL TO SIDES OF OPENING AND EXTEND 24" BEYOND CORNERS.

1. STRUCTURAL COLD FORMED METAL (LIGHT - GAGE) FRAMING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AISI "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" NAS-01 INCLUDING ANY SUPPLEMENTS.

A. ALL STRUCTURAL LIGHT-GAGE JOIST AND STUDS SHALL CONFORM TO THE FOLLOWING MINIMUM YIELD STRENGTH PER ASTM SPECIFICATIONS:

12, 14, 16 GAGE	50,000 PSI
18, 20 GAGE	33,000 PSI

1. METAL PLATE CONNECTED ROOF TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH ANS/PTI "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION" TPI HIG COMMENTARY AND RECOMMENDATIONS FOR TRUSS BRACING, INSTALLING, AND BRACING METAL PLATE CONNECTED WOOD TRUSSES," AND TPI DSB "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES."
2. THE CONTRACTOR SHALL PROVIDE CONTINUOUS LATERAL BRACING AS REQUIRED BY THE TRUSS MANUFACTURER'S TRUSS DESIGN DRAWINGS AND BCGB-83. ALL CONTINUOUS PERMANENT BRACING SHALL BE DIAGONALLY BRACED AT 20'-0" OC MAXIMUM, ONCE MINIMUM.
3. SHOP DRAWINGS SHALL SHOW LOCATION, PITCH, SPAN, CAMBER, CONFIGURATION, AND SPACING FOR EACH TYPE OF TRUSS REQUIRED. INDICATE SIZES, STRESS GRADES, AND SPECIES OF LUMBER.
4. TRUSSES, TRUSS BRACING, AND TRUSS TO TRUSS CONNECTIONS SHALL BE DELEGATED DESIGN. SUBMIT ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED STRUCTURAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION. DELEGATED DESIGN INCLUDES MEMBER SIZES OF TRUSS AS WELL AS PERMANENT BRACING REQUIRED TO PREVENT BUCKLING OF INDIVIDUAL TRUSS MEMBERS DUE TO DESIGN LOADS.
  - A. MAXIMUM VERTICAL DEFLECTION:  
ROOF TRUSSES - L/240 FOR TOTAL LOAD AND L/360 FOR LIVE LOAD.  
FLOOR TRUSSES - L/360 FOR TOTAL LOAD AND L/480 FOR LIVE LOAD.
5. LUMBER: DOC PS 20 AND APPLICABLE RULES-WRITING AGENCY CERTIFIED BY THE AMERICAN LUMBER STANDARD COMMITTEE (ALSC) ABOVE BOARD OF REVIEW. PROVIDE LUMBER GRADED BY AN AGENCY CERTIFIED BY THE ALSC BOARD OF REVIEW TO INSPECT AND GRADE LUMBER UNDER THE RULES INDICATED.
  1. PROVIDE DRY LUMBER WITH 19% MAXIMUM MOISTURE CONTENT AT TIME OF DRESSING.
6. DELEGATED DESIGN TRUSSES SHALL BE DESIGNED FOR IN PLANE AXIAL LOADS AND SPECIAL CONNECTION REQUIREMENTS WHERE INDICATED ON PLANS.

1. ALL STRUCTURAL STEEL SHALL BE DESIGN AND CONSTRUCTED IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS," AND THE AISC "STEEL CONSTRUCTION MANUAL".

2. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:

STRUCTURAL SHAPES	
W-SHAPES	A992 OR A572, GRADE 50
CHANNELS	A36
ANGLES	A36
SQUARE & RECTANGULAR HSS	A500 GRADE B
STRUCTURAL PLATE AND BARS	A36

3. PROVIDE A 1/4" CAP PLATE SHOP WELDED TO THE TOP OF ALL HSS POSTS AND COLUMNS UNLESS OTHERWISE NOTED.

4. ALL BEAM CONNECTIONS NOT OTHERWISE DETAILED OR CALLED OUT SHALL BE STANDARD FRAMED CONNECTIONS DESIGNED TO SUPPORT NOT LESS THAN 60% OF THE TOTAL UNIFORM LOAD FOR THE SHAPE AND SPAN.

5. ALL BOLTED CONNECTIONS FOR STRUCTURAL STEEL SHALL CONFORM TO AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".

6. UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER HIGH STRENGTH BOLTS, BEARING TYPE WITH THREADS IN THE SHEAR PLANE, CONFORMING TO ASTM A325-N.

7. ALL WELDED CONNECTIONS FOR STRUCTURAL STEEL SHALL CONFORM TO AWS "STRUCTURAL WELDING CODE," D1.1.

8. UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, ALL WELDED CONNECTIONS SHALL BE MADE WITH E70-XX LOW HYDROGEN ELECTRODES.

9. PROVIDE ALL BOLT HOLES, STUDS, ANCHORS, AND CLIP ANGLES REQUIRED TO ATTACH OTHER MATERIALS AS SHOWN ON THE DRAWINGS.

10. PROVIDE MINIMUM 8" BEARING FOR BEAMS OR LINTELS, UNLESS OTHERWISE DETAILED ON THE DRAWINGS.

11. PROVIDE L 3 X 3 X 1/4 X 0-3" WALL ANCHOR EACH SIDE OF BEAM WEB FOR BEAMS EMBEDDED IN MASONRY UNLESS OTHERWISE SHOWN ON DRAWINGS.

12. ANCHOR BOLTS SHALL CONFORM TO F1554 GR. 55 AND SHALL BE PLACED WITHIN THE FOLLOWING TOLERANCES:

TOP OF ANCHOR BOLT ELEVATION	(+) 1" TO (-) 3/8"
OUT OF POSITION OF ANCHOR BOLTS	(+) OR (-) 1/8"
ELEVATION OF FINISHED CONCRETE SURFACE FOR BEARING	(+) OR (-) 1/8"

13. ALL GROUT BELOW ALL COLUMN BASE PLATES SHALL BE NON-SHRINK, NON-METALLIC GROUT UNLESS OTHERWISE SHOWN OR NOTED.

14. ALL STEEL SHALL HAVE ONE SHOP COAT OF PRIMER, EXCEPT WHERE GALVANIZED

15. ALL EXTERIOR STEEL SHALL BE GALVANIZED, UNLESS OTHERWISE NOTED.

SHEET 19 OF 197  
ISSUE DATE: 08/15/2024



SPECIAL INSPECTION:

1. INSPECTIONS AND TESTING SERVICES SHALL BE PERFORMED BY AN INDEPENDENT INSPECTION AND TESTING AGENCY (IES) PROVIDED BY THE OWNER IN CONFORMANCE WITH CHAPTER 17 OF THE IBC.
2. INSPECTIONS AND TESTING SHALL BE PERFORMED FOR, BUT NOT LIMITED TO, THE FOLLOWING:
3. PERIODIC INSPECTION OF STEEL FABRICATOR'S SHOP FOR QUALITY CONTROL AND FABRICATION PROCESSES THAT COMPLY WITH AISC CODE OF STANDARD PRACTICE.
4. PERIODIC INSPECTION OF BOLTED AND WELDED STEEL CONNECTIONS IN THE FIELD PER TABLE 1704.3 OF THE LATEST INTERNATIONAL BUILDING CODE
5. PERIODIC INSPECTION OF CONCRETE MATERIALS, REINFORCING AND PLACEMENT SHALL BE INSPECTED PER TABLE 1704.4 OF THE LATEST INTERNATIONAL BUILDING CODE.
6. PERIODIC INSPECTION OF MASONRY MATERIALS, REINFORCING AND PLACEMENT SHALL BE INSPECTED PER TABLE 1704.5.3 OF THE LATEST INTERNATIONAL BUILDING CODE.
7. INSPECTION OF SITE SOILS, FILL PLACEMENT, AND BEARING CAPACITIES BY A LICENSED GEOTECHNICAL ENGINEER AS FOLLOWS:

A. OBSERVATION OF PROOF ROLLING FOR THE SITE PRIOR TO FILL PLACEMENT. COMPACTION TESTING OF STRUCTURAL FILL PLACEMENT. LIFTS SHALL NOT EXCEED 8"

B. COMPACT STRUCTURAL FILL TO 95% DRY DENSITY AS MEASURED BY THE STANDARD PROCTOR METHOD, ASTM D-698

C. PROVIDE BEARING TESTS AT EACH FOOTING LOCATION TO CONFIRM BEARING CAPACITY.
8. SPECIAL INSPECTED WORK WHICH IS INSTALLED OR COVERED WITHOUT APPROVAL OF LOCAL AND SPECIAL INSPECTORS IS SUBJECT TO REMOVAL OR EXPOSURE.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION. ANY WORK PERFORMED WITHOUT REQUIRED SPECIAL INSPECTION IS SUBJECT TO REMOVAL.
- 10.SUBMIT WRITTEN REPORTS WITHIN TWO DAYS OF TESTING TO ENGINEER OF RECORD.

VERIFICATION AND INSPECTION FOR SOILS					
SPECIAL INSPECTION REQUIRED	VERIFICATION, INSPECTION AND TESTING	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODICALLY		
YES	1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity	-	X	-	TABLE 1705.6
YES	2. Verify excavations are extended to proper depth and have reached proper material	-	X		
YES	3. Perform classification and testing of compacted fill materials	-	X		
YES	4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill	X	-		
YES	5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly	-	X		
YES	6. Verify installation of drain tile (gravity, mechanical)	-	X		

Exception: Where IBC Section 1803 does not require reporting of materials and procedures for fill placement, the special inspector shall verify that the in-place dry density of the compacted fill is not less than 90 percent of the maximum dry density at optimum moisture content determined in accordance with ASTM D 1557.

Note: The approved geotechnical report, and the construction documents prepared by the registered design professionals shall be used to determine compliance. During fill placement, the special inspector shall determine that proper materials and procedures are used in accordance with the provisions of the approved geotechnical report.

VERIFICATION AND INSPECTION FOR WOOD CONSTRUCTION					
SPECIAL INSPECTION REQUIRED	VERIFICATION, INSPECTION AND TESTING	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODICALLY		
	1. High-Load Diaphragms			-	1705.5
YES	A) Inspect wood structural panel sheathing grade and thickness to agree with the approved construction documents	X	-		
YES	B) Verify the nominal size of framing members adjoining panel edges, the nail or staple diameter and length, the number of fastener lines and that the spacing between fasteners in each line and at edge margins agrees with the approved construction documents	X	-		
	2. Metal-Plate-Connected Wood Trusses				
YES	A) Verify installation of the permanent individual truss member restraint/bracing agrees with the approved truss submittal package where wood trusses have overall heights of 60 inches or greater	X	-		
YES	B) Verify that temporary installation of restraint/bracing is installed in accordance with the approved truss submittal package for wood trusses with a clear span of 60 feet or greater	X	-		

VERIFICATION AND INSPECTION FOR CONCRETE CONSTRUCTION					
SPECIAL INSPECTION REQUIRED	VERIFICATION, INSPECTION AND TESTING	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODICALLY		
YES	1. Inspection of reinforcing steel and verifying placement	-	X	ACI 318: Ch 20, 25.2, 25.3, 26.6.1-26.6.3; IBC: 1908.4	1705.3
	2. Inspection of reinforcing steel welding				
YES	A) Verification of weldability (determination of carbon equivalent) for reinforcing steel other than ASTM A 706	-	X	AWS D1.4; ACI 318: 26.6.4	
YES	B) Inspect single-pass fillet welds, maximum 5/16"	-	X		
YES	C) Inspect all other welds	X	-		
YES	3. Inspection of anchors cast in concrete	-	X	ACI 318: 17.8.2	
	4. Inspection of anchors post-installed in hardened concrete members				
YES	A) Adhesive anchors installed horizontally or in upwardly-inclined orientations to resist sustained tension loads	X	-	ACI 318: 26.12.3.2(c), 17.8.2.	
YES	B) Mechanical anchors and adhesive anchors not defined in 4.A	-	X		
YES	5. Verifying use of required design mix	-	X	ACI 318: Ch 19, 26.4; IBC: 1904.1, 1904.2, 1908.2, 1908.3	
YES	6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	X	-	ASTM C 172, ASTM C31, ACI 318: 26.5, 26.12; IBC...	
YES	7. Inspection of concrete placement for proper application techniques	X	-	ACI 318: 26.5; IBC: 1908.6, 1908.7, 1908.8	
YES	8. Inspection/verification of maintenance of specified curing temperature and techniques	-	X	ACI 318: 26.5.3-26.5.5; IBC 1908.9	
YES	9. Verify in-situ concrete strength prior to removal of shores and forms from beams and structural slabs	-	X	ACI 318: 26.11.2	
YES	10. Inspect formwork for shape, location and dimensions of the concrete member being formed	-	X	ACI 318: 26.11.1.2(b)	

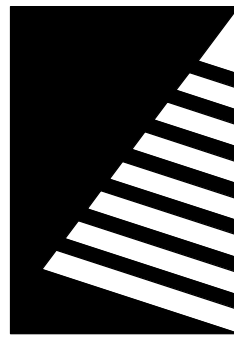
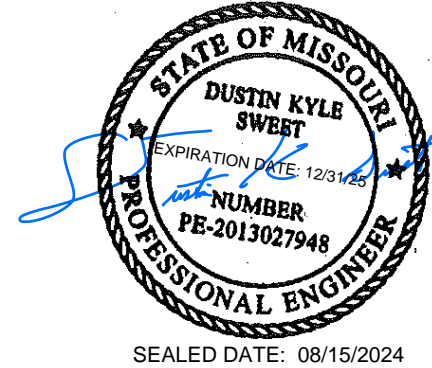
VERIFICATION AND SPECIAL INSPECTION FOR WIND RESISTANCE					
SPECIAL INSPECTION REQUIRED	VERIFICATION, INSPECTION AND TESTING	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODICAL...		
	1. Structural Wood			-	1705.11
YES	A) Field gluing operations of elements of the main windforce-resisting system(Special inspections are not required for wood shear walls, shear panels and diaphragms, including nailing, bolting, anchoring and other fastening to other element sof the main windforce-resisting system, where the specified fastener spacing at panel edges in more than 4 inches on center)	X	-		
YES	B) Nailing, bolting, anchoring and other fastening of elments of the main windforce-resisting system, including wood shear walls, wood diaphragms, drag struts, braces and hold-downs (Special inspections are not required for wood shear walls, shear panels and diaphragms, including nailing, bolting, anchoring and other fastening to other elements of the main windforce-resisting system, where the specified fastener spacing at panel edges in more than 4 inches on center)	-	X		
	2. Cold-Formed Steel Light-Frame Construction				
YES	A) Welding operations of elements of the main windforce-resisting system (Special inspections are not required if either of the following applies: a) the sheathing is gypsum board or fiberboard b) the sheathing is wood structural panel or steel sheets on only one side of the shear wall, shear panel or diaphragm assembly and the fastener spacing of the sheathign is more than 4 inches on center)	-	X		
YES	B) Screw attachment, bolting, anchoring and other fastening of elements of the main windforce-resisting system, including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs (Special inspections are not required if either of the following applies: a) the sheathing is gypsum board or fiberboard b) the sheathing is wood structural panel or steel sheets on only one side of the shear wall, shear panel or diaphragm assembly and the fastener spacing of the sheathign is more than 4 inches on center)	-	X		
	3. Wind Resisting Components			-	
YES	A) Roof covering, roof deck and roof framing connections	-	X		
YES	B) Exterior wall covering and wall connections to roof and floor diaphragms and framing	-	X		

Exceptions: 1) Wind Exposure Category B, where Vasd as determined in accordance with Section 1609.3.1 is 120 miles per hour or greater 2) In wind Exposure Category C or D, where Vasd as determined in accordance with Section 1609.3.1 is 110 miles per hour or greater

VERIFICATION AND SPECIAL INSPECTION FOR SEISMIC RESISTANCE					
SPECIAL INSPECTION REQUIRED	VERIFICATION, INSPECTION AND TESTING	INSPECTION FREQUENCY		REFERENCE D STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODICALLY		
	1. Structural Steel			AISC 341	1705.12.1
NO	A) Special inspections for structural steel in accordance with the quality assurance requirements of AISC 341, including nondestructive testing of structural steel elements in the seismic force-resisting system (Special inspections of structural steel in Seismic Design Category B or C with R designated for "Steel systems not specifically detailed for seismic resistance, excluding cantilever column systems" and structural steel in Seismic Design Category D, E, or F where design and detailing in accordance with AISC 360 is exempt from special inspections in this section)	X	-		
	2. Structural Steel Elements			AISC 341	1705.12.1
NO	A) Special inspections of structural steel elements including struts, collectors, chords and foundation elements shall be performed in accordance with AISC 341, including nondestructive testing (Special inspections of structural steel elements in Seismic Design Category B or C with R of 3 or less and structural steel elements in Seismic Design Category D, E, or F where design and detailing in accordance with AISC 360 is exempt from special inspection in thi...	X	-		
	3. Structural Wood				
YES	A) Field gluing operations of elements of the seismic force-resisting system (Special inspections of structural wood are not required for wood shear walls, shear panels and diaphragms, including nailing, bolting, anchoring, and other fastening to other elements of the seismic force-resisting system where the fastener spacing of the sheathing is more than 4 inches on center)	X	-		
YES	B) Nailing, bolting, anchoring and other fastening of elements of the seismic force-resisting system including wood shear walls, wood diaphragms, drag struts, braces, shear panels, and hold-downs (Special inspections of structural wood are not required for wood shear walls, shear panels and diaphragms, including nailing, bolting, anchoring, and other fastening to other elements of the seismic force-resisting system where the fastener spacing of the sheathing is more than 4 inches on center)	-	X	-	1705.12.2
	4. Cold-formed Steel Light-frame Construction				
YES	A) Welding operations of elements of seismic force-resisting system	-	X		
YES	B) Screw attachment, bolting, anchoring and other fastening of elements of the seismic force-resisting system, including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs (Special inspections of cold-formed steel light-frame construction are not required where either the sheating is gypsum board or fiberboard or the sheathing is wood structural panel or sheets on only one side of the shear wall, shear panel or diaphragm assembly and the fastener spacing is more than 4 inches on center)	-	X	-	1705.12.3
	5. Designated Seismic Systems				1705.12.4
YES	A) Examine designated seismic systems requiring seismic qualification in accordance with Section 13.2.2 of ASCE 7 and verify the detail, anchorage or mounting conforms to the certificate of compliance. (Structures assigned to Seismic Design Category C, ...	-	-		
YES	6. Architectural Components				1705.12.5
	A) During erection and fastening of exterior cladding, interior and exterior nonbearing walls and interior and exterior veneer for structures assigned to Seismic Design Category D, E or F (Special Inspection of architectural componenets are not required for exterior cladding, interior and exterior nonbearing walls and interior and exterior veneer 30 feet or less above grade or walking surface, exterior cladding and interior and exterior veneer weighing 5 psf or less, or interior nonbearing walls weighing 15 psf or less)	-	X		
	B) Anchorage of access floors in structures assigned to Seismic Design Category D, E or F	-	X		
	7. Plumbing, Mechanical and Electrical Components.				1705.12.6
YES	A) During anchorage of electrical equipment for emergency or standby power systems in structures assigned to Seismic Design Category C, D, E or F	-	X		
	B) During anchorage of other electrical equipment in structures assigned to Seismic Design Category E or F	-	X		
YES	C) During installation and anchorage of piping systems designed to carry hazardous materials and their associated mechanical units in structures assigned to Seismic Design Category C, D, E or F	-	X		
YES	D) During the installation and anchorage of ductwork designed to carry hazardous materials in structures assigned to Seismic Design Category C, D, E or F	-	X		
YES	E) During the installation and anchorage of vibration isolation systems in structures assigned to Seismic Design Category C, D, E or F where the construction documents require a nominal clearance of 1/4-inch or less between the equipment support frame and...	-	X	-	1705.12.6
YES	F) During installation of mechanical and electrical equipment, including duct work, piping systems, and their structural supports, where automatic fire sprinkler systems are installed in structures assigned to Seismic Design Category C,D,E or F to verify one of the following: a) Minimum clearances have been provided as required by Section 13.2.3 of ASCE 7 b) A nominal clearance of not less than 3 inches has been provided between fire protection sprinkler system drops and sprigs and: structural members are not used collectively or independently to support the sprinklers; equipment attached to the building structure; and other systems' piping (Where flexible sprinkler hose fittings are used, special inspection of minimum...	-	X		
	7. Storage Racks				1705.12.7
NO	A) During installation of required anchorage of storage racks that are 8 feet or greater in height in structures assigned to Seismic...	-	X		
	8. Seismic Isolation Systems				1705.12.8
NO	A) During fabrication and installation of isolator units and energy dissipation devices in seismically isolated structures assigned to Seismic Design Category B, C, D, E or F	-	X		
	9. Cold-formed Steel Special Bolted Moment Frames				1705.12.9
NO	A) During installation of cold-formed steel special bolted moment frames in seismic force-resisting systems of structures assigned to Seismic Design Category D, E or F	-	X		

Exceptions: 1) The structure consists of light-frame construction. Sds does not exceed 0.5, and the building height of the structure does not exceed 35 feet. 2) The seismic force-resisting system consists of reinforced masonry or reinforced concrete. Sds does not exceed 0.5, and the building height of the structure does not exceed 25 feet. 3) The structure is a detached one- or two-family dwelling not exceeding two stories above grade plane and does not have any of the following horizontal or vertical irregularities: a) Torsional or extreme torsional irregularity b) Nonparallel systems irregularity c) Stiffness-soft story or stiffness-extreme soft irregularity d)Discontinuity in lateral strength-weak story irregularity

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

FACILITY #.: 8136803002

FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AJC

CHECKED BY: DKS

DESIGNED BY: AMC

SHEET TITLE:

GENERAL  
STRUCTURAL NOTES

SHEET NUMBER:

S-002

SHEET 20 OF 197  
ISSUE DATE: 08/15/2024



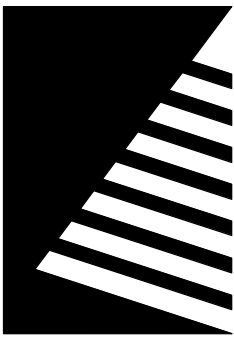
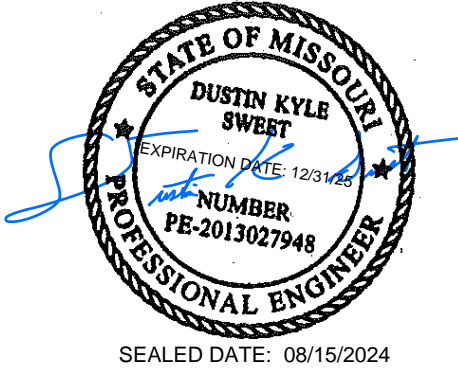
8/15/2024 8:42:25 AM

VERIFICATION AND INSPECTION OF FABRICATION OF STRUCTURAL STEEL WELDING					
SPECIAL INSPECTION REQUIRED	VERIFICATION, INSPECTION AND TESTING	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODICALLY		
	1. Inspection Prior to Welding			AISC 360 TABLE N5.4-1	1705.2.
YES	A) Welder qualification records and continuity records	X	-		
YES	B) Welding procedure specifications (WPSs) available	X	-		
YES	C) Manufacturer certifications for welding consumables available	X	-		
YES	D) Material identification (type/grade)	-	X		
YES	E) Welder identification system	-	X		
YES	F) Fit-up of groove welds (including joint geometry) 1) Joint preparation 2) Dimensions (alignment, root opening, root face, bevel) 3) Cleanliness (condition of steel surfaces) 4) Tacking (tack weld quality and location) 5) Backing type and fit (if applicable)	-	X		
YES	G) Fit-up of CJP groove welds of HSS T-, Y- and K-joints without backing (including joint geometry) 1) Joint preparation 2) Dimensions (alignment, root opening, root face, bevel) 3) Cleanliness (condition of steel surfaces) 4) Tacking (tack weld quality and location)	-	X		
YES	H) Configuration and finish of access holes	-	X		
YES	I) Fit-up of fillet welds 1) Dimensions (alignment, gaps at root) 2) Cleanliness (condition of steel surfaces) 3) Tacking (tack weld quality and location)	-	X		
YES	J) Check welding equipment	-	X		
	2. Inspection During Welding			AISC 360 TABLE N5.4-2	1705.2.
YES	A) Use of qualified welders	-	X		
YES	B) Control and handling of welding consumables 1) Packaging 2) Exposure control	-	X		
YES	C) No welding over cracked tack welds	-	X		
YES	D) Environmental Conditions 1) Wind speed within limits 2) Precipitation and temperature	-	X		
YES	E) WPS followed 1) Settings on welding equipment 2) Travel speed 3) Selected welding materials 4) Shielding gas type/flow rate 5) Preheat applied 6) Interpass temperature maintained (min/max) 7) Proper position (F, V, H, OH)	-	X		
YES	F) Welding techniques 1) Interpass and final cleaning 2) Each pass within profile limitations 3) Each pass meets quality requirements	-	X		
YES	G) Placement and installation of steel headed stud anchors	X	-		
	3. Inspection After Welding				
YES	A) Welds cleaned	-	X		
YES	B) Size, length and location of welds	X	-		
YES	C) Welds meet visual acceptance criteria 1) Crack Prohibition 2) Weld/base-metal fusion 3) Crater cross section 4) Weld profiles 5) Weld size 6) Undercut 7) Porosity	X	-	AISC 360 TABLE N5.4-3	1705.2.
YES	D) Arc strikes	X	-		
YES	E) When welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3 inches of the weld	X	-		
	F) After rolled heavy shapes per Section A3.1c and built-up heavy shapes per Section A3.1d are welded, visually inspect the weld access hole for cracks	X	-		
YES	G) Backing removed and weld tabs removed (if required)	X	-		
YES	H) Repair activities	X	-		
YES	I) Document acceptance or rejection of weld joint or member	X	-		
YES	J) No prohibited welds have been added without the approval of Engineer of Record	X	-		
	4. Nondestructive Testing of Welded Joints and Heavy Shapes				
YES	A) CJP Groove Welds Ultrasonic Testing shall be performed on 100% of CJP groove welds subject to transversely applied tension loading in butt, T- and corner joints, in materials 5/16 inch thick or greater.	X	-	AISC 360 N5.5	

VERIFICATION AND INSPECTION TASKS FOR STRUCTURAL STEEL HIGH-STRENGTH BOLTING						
SPECIAL INSPECTION REQUIRED	VERIFICATION, INSPECTION AND TESTING	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE	
		CONTINUOUS	PERIODICALLY			
	1. Inspection Prior to Bolting			AISC 360 TABLE N5.6-1	1705.2	
YES	A) Manufacturer's certification available for fastener materials	-	x			
YES	B) Fasteners marked in accordance with ASTM requirements	-	x			
YES	C) Correct fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from plane of shear)	-	x			
YES	D) Correct bolting procedure selected for joint detail	-	x			
YES	E) Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	-	x			
YES	F) Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	-	x			
YES	G) Protected storage provided for bolts, nuts,washers and other fastener components	-	x			
	2. Inspection During Bolting					
YES	A) Pretensioned joints and slip-critical joints, when the installer is using the turn-of-nut method with matchmarking techniques, the direct-tension-indicator method, or the twist-off-type tension control bolt method, (See 1-4 below)  1) Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required 2) Joint brought to the snug-tight condition prior to the pretensioning operation 3) Fastener component not turned by the wrench prevented from rotating 4) Fasteners are pretensioned in accordance with the RCSC Specification, pregressing systematically from the most rigid point toward the free edges.	-	X	AISC 360 TABLE N5.6-2		
YES	B) Pretensioned joints and slip-critical joints, when the installer is using the calibrated wrench method or the turn-of-nut method without matchmarking, (See 1-4 below)  1) Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required 2) Joint brought to the snug-tight condition prior to the pretensioning operation 3) Fastener component not turned by the wrench prevented from rotating 4) Fasteners are pretensioned in accordance with the RCSC Specification, pregressing systematically from the most rigid point toward the free edges.	X	-			
	3. Inspection After Bolting					
YES	A) Document acceptance or rejection of each bolted connection	X	-	AISC 360 TABLE N5.6-3		

Exception: For snug-tight joints, inspections prior to and during bolting are not required.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AJC  
CHECKED BY: DKS  
DESIGNED BY: AMC

SHEET TITLE:

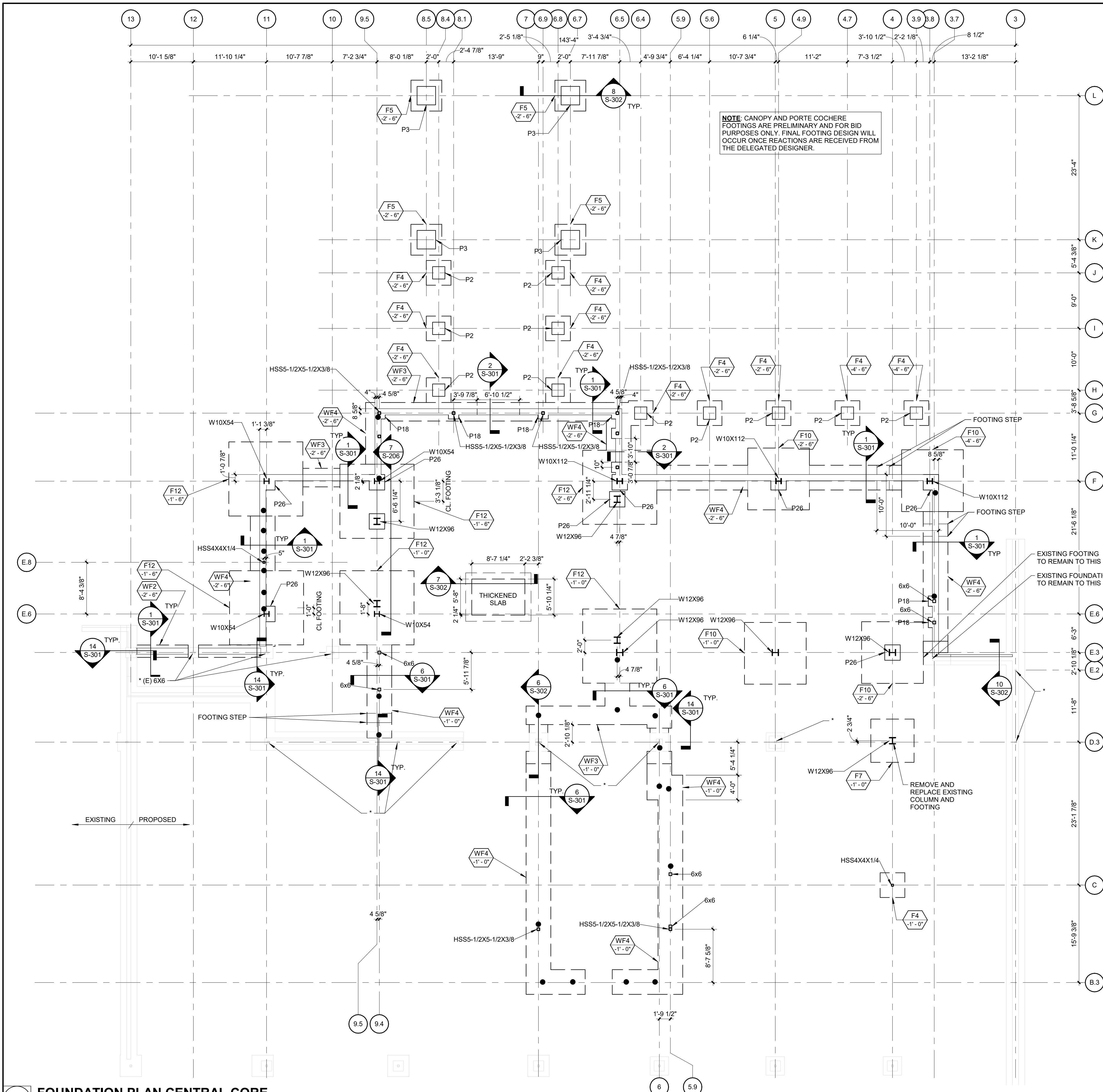
SPECIAL  
INSPECTIONS

SHEET NUMBER:

S-003

SHEET 21 OF 197  
ISSUE DATE: 08/15/2024





PAD FOOTING SCHEDULE						
TYPE MARK	WIDTH	LENGTH	DEPTH	LONG	TRANS	REMARKS
F3	3'-0"	3'-0"	1'-0"	(4) #6 T&B	(4) #6 T&B	
F4	4'-0"	4'-0"	1'-0"	(5) #6 T&B	(5) #6 T&B	
F5	5'-0"	5'-0"	1'-6"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	
F7	7'-0"	7'-0"	1'-6"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	
F10	10'-0"	10'-0"	1'-6"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	
F12	12'-0"	12'-0"	2'-0"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	

WHERE PAD FOOTINGS OVERLAP, CONFIRM WITH ENGINEER WHERE FOOTINGS MAY BE COMBINED.

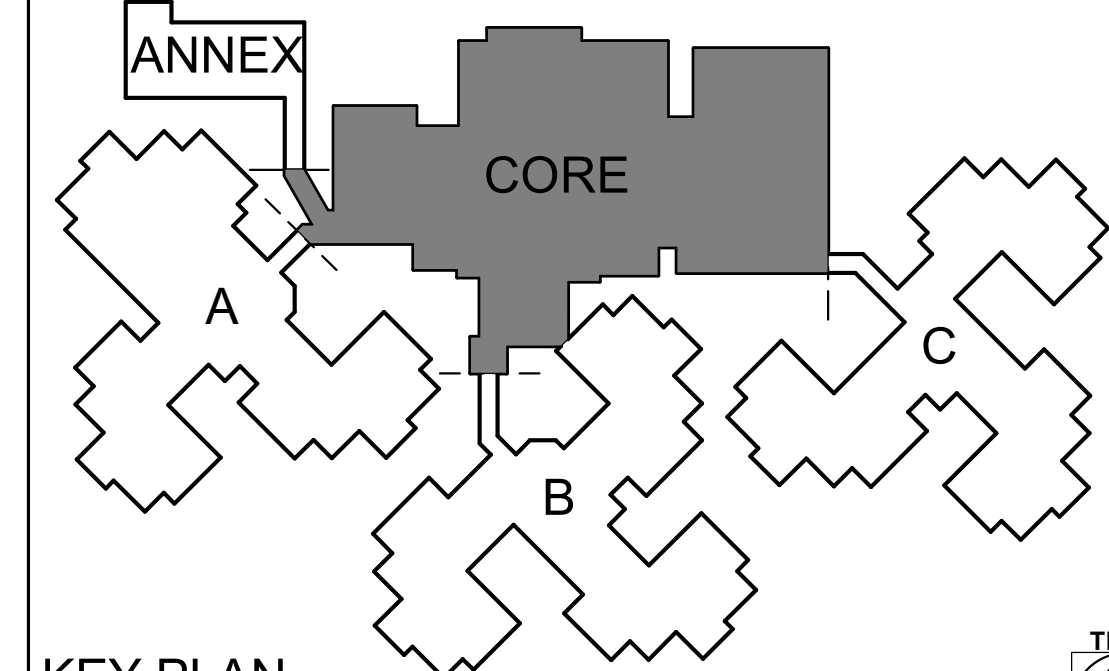
SEALED DATE: 08/15/2024

PEDESTAL SCHEDULE				
TYPE MARK	WIDTH	DEPTH	VERTICAL REINF	HORIZONTAL REINF
P1	1'-0"	1'-0"	(8) #5	#4 TIES AT 10" OC. TOP 12" AT 3" OC.
P18	1'-8"	1'-8"	(16) #5	#4 TIES AT 10" OC. TOP 12" AT 3" OC.
P2	2'-0"	2'-0"	(22) #5	#4 TIES AT 10" OC. TOP 12" AT 3" OC.
P26	2'-6"	2'-6"	(24) #5	#4 TIES AT 10" OC. TOP 12" AT 3" OC.
P3	3'-0"	3'-0"	(26) #7	#4 TIES AT 10" OC. TOP 12" AT 3" OC.

WALL FOOTING SCHEDULE				
TYPE MARK	WIDTH	THICKNESS	LONG REINF	TRANS REINF
WF1.5	1'-6"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.
WF2	2'-0"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.
WF3	3'-0"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.
WF4	4'-0"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.

FOUNDATION PLAN NOTES

- A. SEE S-001 AND S-002 FOR GENERAL STRUCTURAL NOTES.
- B. SEE GENERAL STRUCTURAL NOTES FOR DESIGN SOIL BEARING PRESSURE.
- C. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.
- D. SEE ARCHITECTURAL FOR FLOOR SLAB SLOPE REQUIREMENTS.
- E. COMPACTED FILL UNDER SLAB ON GRADE SHALL BE 6" OF 1" FREE-DRAINING AGGREGATE UNLESS OTHERWISE SHOWN ON DRAWINGS OR AS RECOMMENDED BY A GEOTECHNICAL ENGINEER.
- F. SEE PAD FOOTING SCHEDULE FOR FOOTING DIMENSIONS.
- G. SEE WALL FOOTING SCHEDULE FOR WALL FOOTING DIMENSIONS.
- H. SEE PEDESTAL SCHEDULE FOR PEDESTAL DIMENSIONS.
- I. T/FOOTING ELEVATION = (-)2'-6" UNLESS OTHERWISE NOTED.
- J. T/SLAB ELEVATION = 0'-0" UNLESS OTHERWISE NOTED.
- K. TYP T/ FOUNDATION WALL ELEV. = 0'-0" UNLESS OTHERWISE NOTED.
- L. FOR STEEL COLUMNS, T/ CONCRETE PILASTER ELEVATION = 0'-0" @ EXTERIOR WALLS. T/PEDESTAL OR FOOTING AT INTERIOR COLUMNS = (-)1'-0" UNLESS OTHERWISE NOTED. T/CANOPY PEDESTAL ELEVATION = (+)0'-4" UNLESS OTHERWISE NOTED.
- M. SEE 9/S-301 FOR FOUNDATION WALL CONSTRUCTION JOINT.
- N. SEE 10&12/S-301 FOR TYPICAL CORNER AND WALL INTERSECTION REINFORCEMENT.
- O. SLAB ON GRADE SHALL BE 4" CAST IN PLACE CONCRETE REINFORCED W/ WVF6x6xW2.1xW2.1 ON 10 MIL VAPOR BARRIER UNLESS OTHERWISE NOTED.
- P. USE CIRCULAR OR DIAMOND ISOLATION JOINTS AT ALL COLUMNS. SEE DETAIL 11/S-301 FOR SLAB CRACK CONTROL AT ISOLATION JOINT.
- Q. INSTALL SLAB CONTROL JOINTS AT ALL COLUMNS, INTERIOR CORNERS, AND WITH A MAX. JOINT SPACING OF 15'. SECTIONS OF SLAB BETWEEN CONTROL JOINTS, ASPECT RATIO NOT TO EXCEED 1.5:1. SEE DETAIL 7/S-301.
- R. SEE DETAIL 8/S-301 FOR SLAB CRACK CONTROL DETAILS.
- S. COORDINATE ALL FLOOR SLAB AND FOUNDATION WALL OPENINGS WITH OTHER TRADES. SEE DETAIL 15/S-301 FOR TYPICAL WALL SLEEVE DETAIL.
- T. SEE S-501 FOR BASE PLATE DETAILS.
- U. ANCHOR EMBED. DEPTH SHALL BE MEASURED FROM TOP OF FOUNDATION WALL OR FOOTING, NOT TOP OF SLAB.
- V. ● INDICATES SIMPSON HD7B HOLDDOWN OR EQUAL W/ 7/8"Ø A307 THREADED RODS IN HILTI HY200 ADHESIVE OR EQUIV. EMBED 8"
- W. SEE 13/S-301 FOR HOLD DOWN DETAIL. PROVIDE (2)2X END POST TYP EXCEPT AT WALLS ALONG GRID 3.7 PROVIDE (3)2X END POSTS.
- X. SEE ARCHITECTURE AND PLUMBING FOR WATERPROOFING REQUIREMENTS.
- Y. REMOVE AND REPLACE EXISTING SLAB ON GRADE AS REQUIRED TO INSTALL NEW FOUNDATIONS
- Z. AT FOOTING ELEVATION TRANSITIONS STEP FOOTING PER 2/S-302.
- AA. \* DENOTES EXISTING COLUMN TO REMAIN
- BB. SEE 16/S-301 FOR FOOTING DETAIL AT PIPE PENETRATIONS.



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR

SEALED DATE: 08/15/2024

**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#: 29-043  
# DATE: DESCRIPTION:

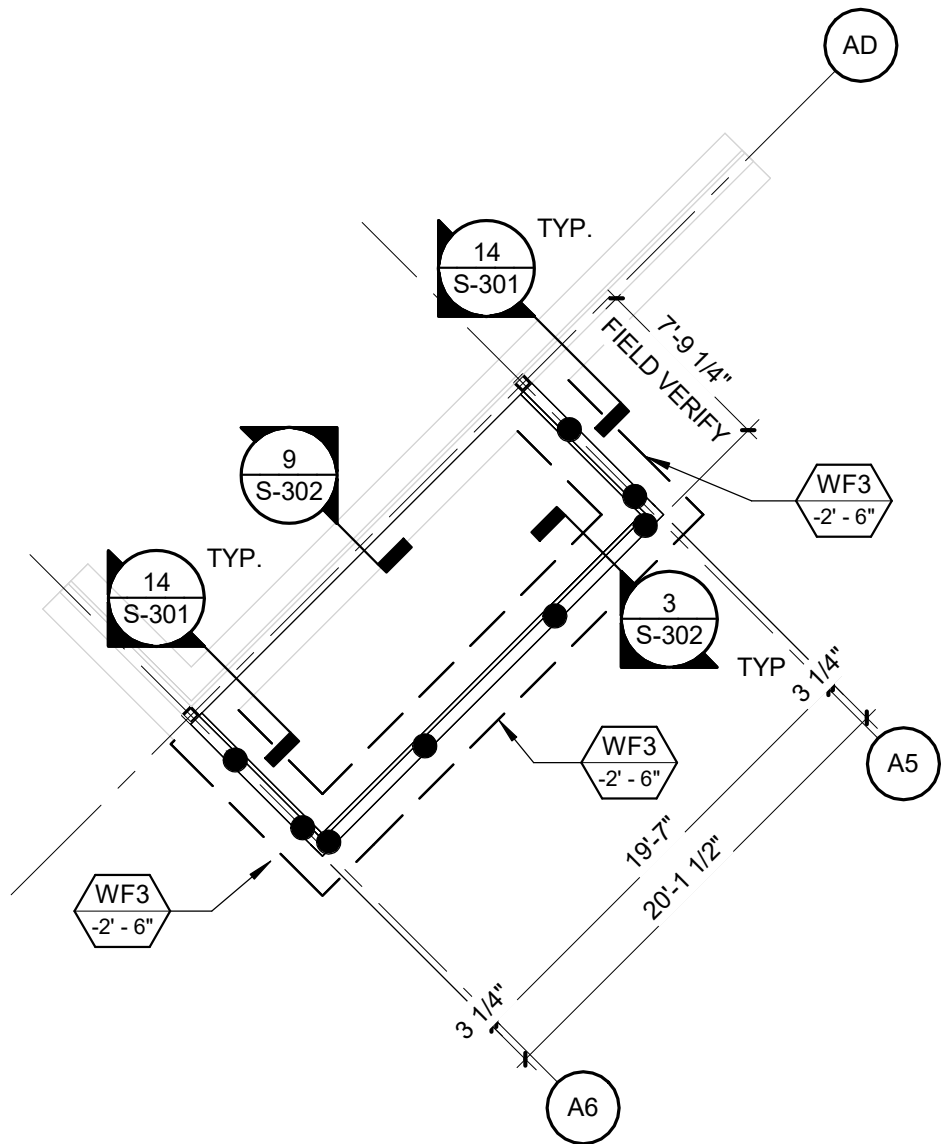
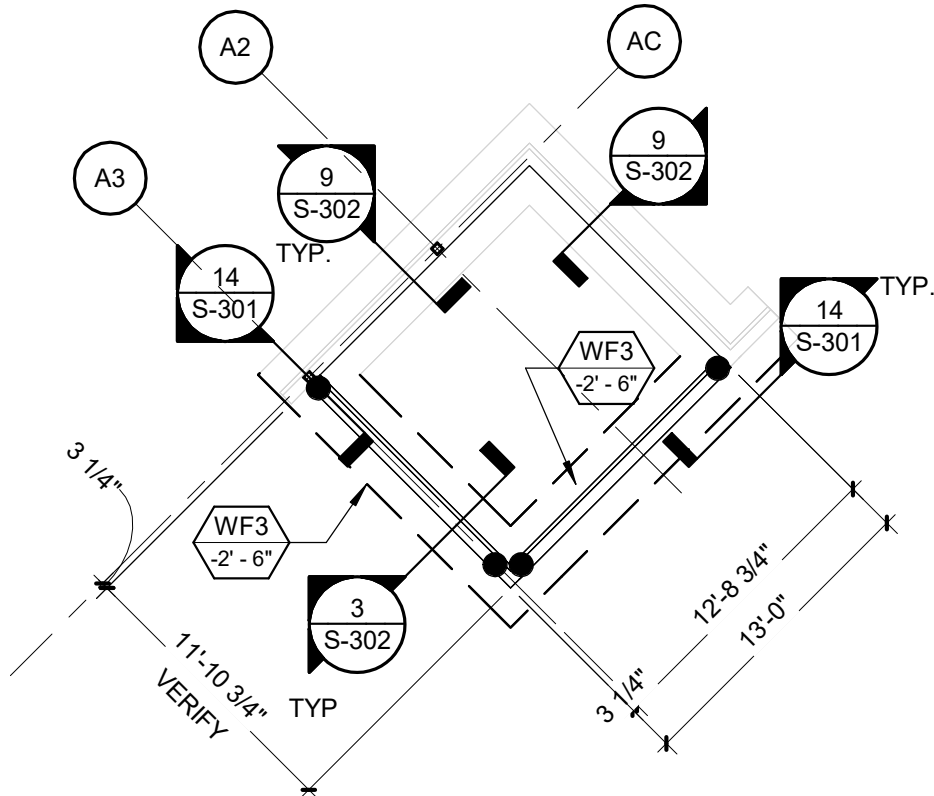
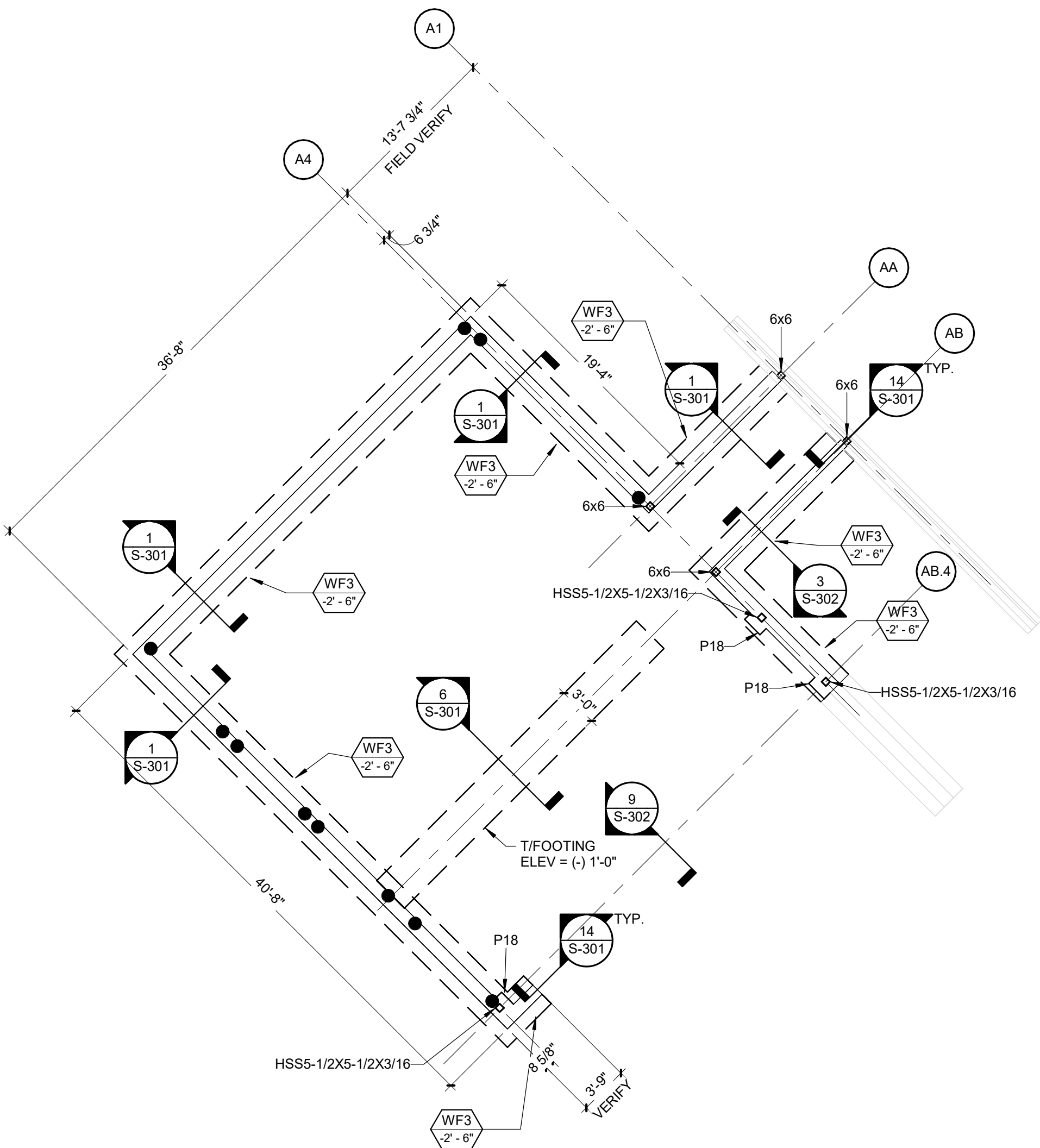
DRAWN BY: AJC  
CHECKED BY: DKS  
DESIGNED BY: AMC

SHEET TITLE:  
**FOUNDATION PLAN  
CENTRAL CORE**

SHEET NUMBER:  
**S-101**

SHEET 22 OF 197  
ISSUE DATE: 08/15/2024





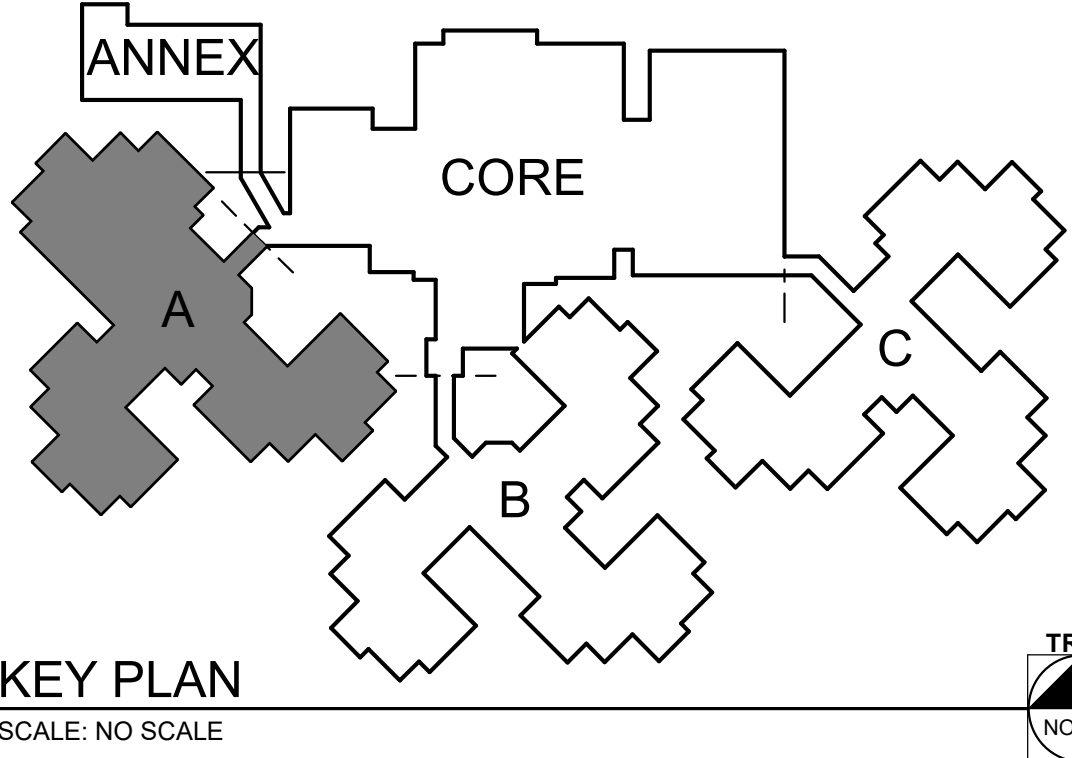
PAD FOOTING SCHEDULE						
TYPE MARK	WIDTH	LENGTH	DEPTH	LONG	TRANS	REMARKS
F3	3'-0"	3'-0"	1'-0"	(4) #6 T&B	(4) #6 T&B	
F4	4'-0"	4'-0"	1'-0"	(5) #6 T&B	(5) #6 T&B	
F5	5'-0"	5'-0"	1'-6"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	
F7	7'-0"	7'-0"	1'-6"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	
F10	10'-0"	10'-0"	1'-6"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	
F12	12'-0"	12'-0"	2'-0"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	

PEDESTAL SCHEDULE				
TYPE MARK	WIDTH	DEPTH	VERTICAL REINF	HORIZONTAL REINF
P1	1'-0"	1'-0"	(8) #5	#4 TIES AT 10" OC. TOP 12" AT 3" OC.
P18	1'-8"	1'-8"	(16) #5	#4 TIES AT 10" OC. TOP 12" AT 3" OC.
P2	2'-0"	2'-0"	(22) #5	#4 TIES AT 10" OC. TOP 12" AT 3" OC.
P26	2'-6"	2'-6"	(24) #5	#4 TIES AT 10" OC. TOP 12" AT 3" OC.
P3	3'-0"	3'-0"	(26) #7	#4 TIES AT 10" OC. TOP 12" AT 3" OC.

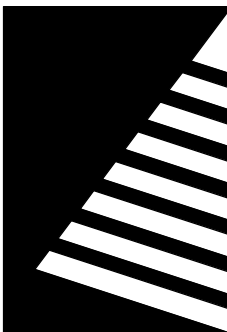
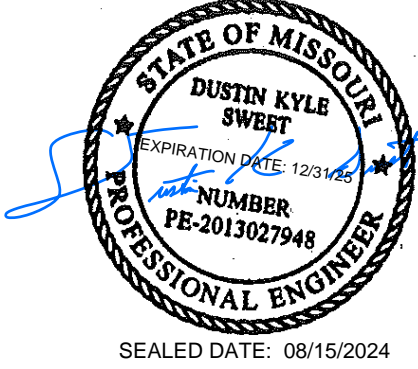
WALL FOOTING SCHEDULE				
TYPE MARK	WIDTH	THICKNESS	LONG REINF	TRANS REINF
WF1.5	1'-6"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.
WF2	2'-0"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.
WF3	3'-0"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.
WF4	4'-0"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.

### FOUNDATION PLAN NOTES

- A. SEE S-001 AND S-002 FOR GENERAL STRUCTURAL NOTES.
- B. SEE GENERAL STRUCTURAL NOTES FOR DESIGN SOIL BEARING PRESSURE.
- C. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.
- D. SEE ARCHITECTURAL FOR FLOOR SLAB SLOPE REQUIREMENTS.
- E. COMPACTED FILL UNDER SLAB ON GRADE SHALL BE 6" OF 1" FREE-DRAINING AGGREGATE UNLESS OTHERWISE SHOWN ON DRAWINGS OR AS RECOMMENDED BY A GEOTECHNICAL ENGINEER.
- F. SEE PAD FOOTING SCHEDULE FOR FOOTING DIMENSIONS.
- G. SEE WALL FOOTING SCHEDULE FOR WALL FOOTING DIMENSIONS.
- H. SEE PEDESTAL SCHEDULE FOR PEDESTAL DIMENSIONS.
- I. T/FOOTING ELEVATION = (-)2'-6" UNLESS OTHERWISE NOTED.
- J. T/SLAB ELEVATION = 0'-0" UNLESS OTHERWISE NOTED.
- K. TYP T/ FOUNDATION WALL ELEV. = 0'-0" UNLESS OTHERWISE NOTED.
- L. FOR STEEL COLUMNS, T/ CONCRETE PILASTER ELEVATION = 0'-0" @ EXTERIOR WALLS. T/PEDESTAL OR FOOTING AT INTERIOR COLUMNS = (-)1'-0" UNLESS OTHERWISE NOTED. T/CANOPY PEDESTAL ELEVATION = (+)0'-4" UNLESS OTHERWISE NOTED.
- M. SEE 9/S-301 FOR FOUNDATION WALL CONSTRUCTION JOINT.
- N. SEE 10&12/S-301 FOR TYPICAL CORNER AND WALL INTERSECTION REINFORCEMENT.
- O. SLAB ON GRADE SHALL BE 4" CAST IN PLACE CONCRETE REINFORCED W/ WWF6x6xW2.1xW2.1 ON 10 MIL VAPOR BARRIER UNLESS OTHERWISE NOTED.
- P. USE CIRCULAR OR DIAMOND ISOLATION JOINTS AT ALL COLUMNS. SEE DETAIL 11/S-301 FOR SLAB CRACK CONTROL AT ISOLATION JOINT.
- Q. INSTALL SLAB CONTROL JOINTS AT ALL COLUMNS, INTERIOR CORNERS, AND WITH A MAX. JOINT SPACING OF 15'. SECTIONS OF SLAB BETWEEN CONTROL JOINTS, ASPECT RATIO NOT TO EXCEED 1.5:1. SEE DETAIL 7/S-301.
- R. SEE DETAIL 8/S-301 FOR SLAB CRACK CONTROL DETAILS.
- S. COORDINATE ALL FLOOR SLAB AND FOUNDATION WALL OPENINGS WITH OTHER TRADES. SEE DETAIL 15/S-301 FOR TYPICAL WALL SLEEVE DETAIL.
- T. SEE S-501 FOR BASE PLATE DETAILS.
- U. ANCHOR EMBED. DEPTH SHALL BE MEASURED FROM TOP OF FOUNDATION WALL OR FOOTING, NOT TOP OF SLAB.
- V. ● INDICATES SIMPSON HD7B HOLDDOWN OR EQUAL W/ 7/8"Ø A307 THREADED RODS IN HILTI HY200 ADHESIVE OR EQUIV. EMBED 8"
- W. SEE 13/S-301 FOR HOLD DOWN DETAIL. PROVIDE (2)2X END POST TYP EXCEPT AT WALLS ALONG GRID 3.7 PROVIDE (3)2X END POSTS.
- X. SEE ARCHITECTURE AND PLUMBING FOR WATERPROOFING REQUIREMENTS.
- Y. REMOVE AND REPLACE EXISTING SLAB ON GRADE AS REQUIRED TO INSTALL NEW FOUNDATIONS
- Z. AT FOOTING ELEVATION TRANSITIONS STEP FOOTING PER 2/S-302.
- AA. \* DENOTES EXISTING COLUMN TO REMAIN
- BB. SEE 16/S-301 FOR FOOTING DETAIL AT PIPE PENETRATIONS.



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: AJC  
CHECKED BY: DKS  
DESIGNED BY: AMC

SHEET TITLE:  
**FOUNDATION PLAN  
WING A**

SHEET NUMBER:

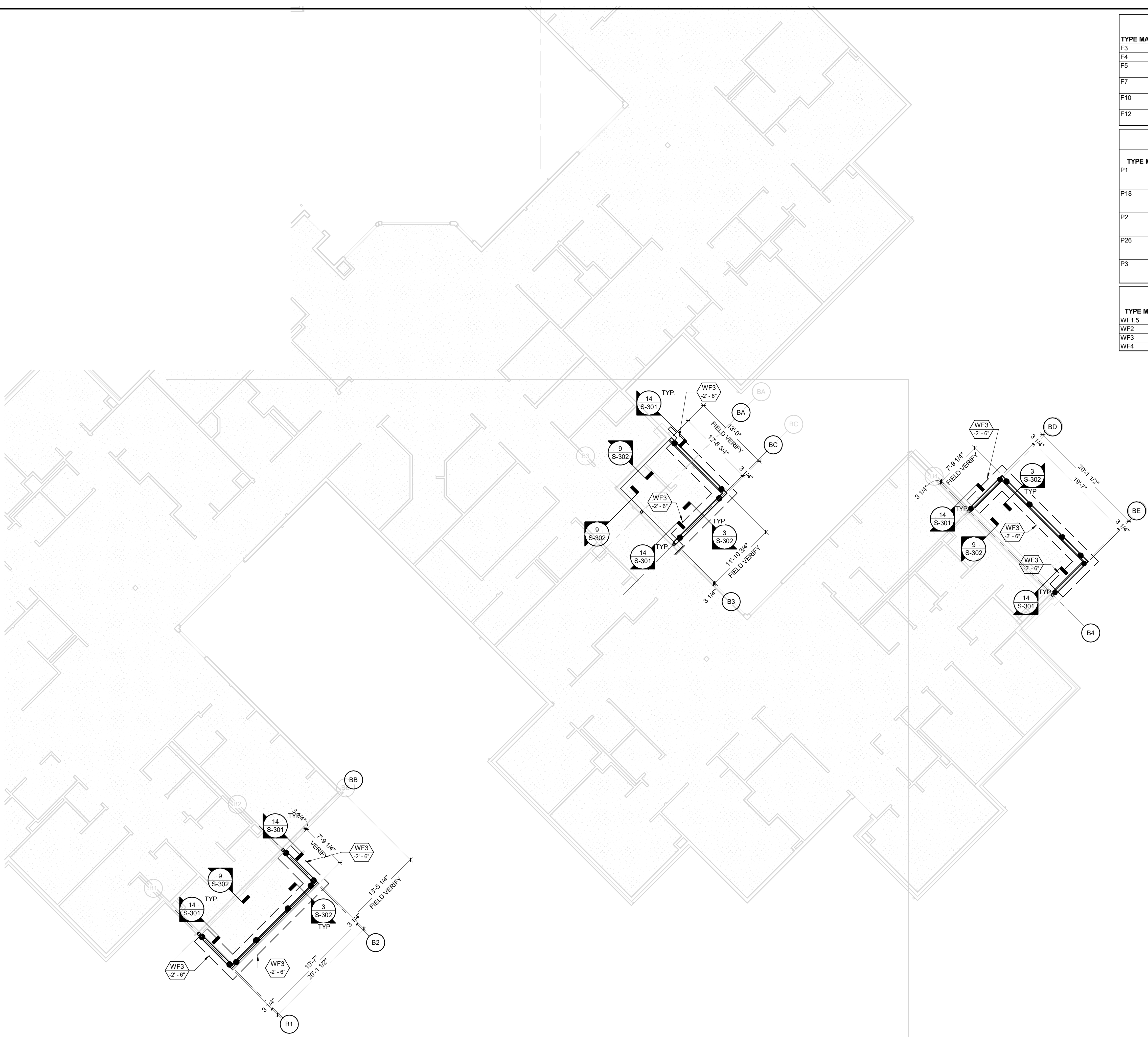
**S-102**

SHEET 23 OF 197  
ISSUE DATE: 08/15/2024



8/15/2024 8:46:27 AM

1 FLOOR PLAN - WING B  
Scale: 1/8" = 1'-0"



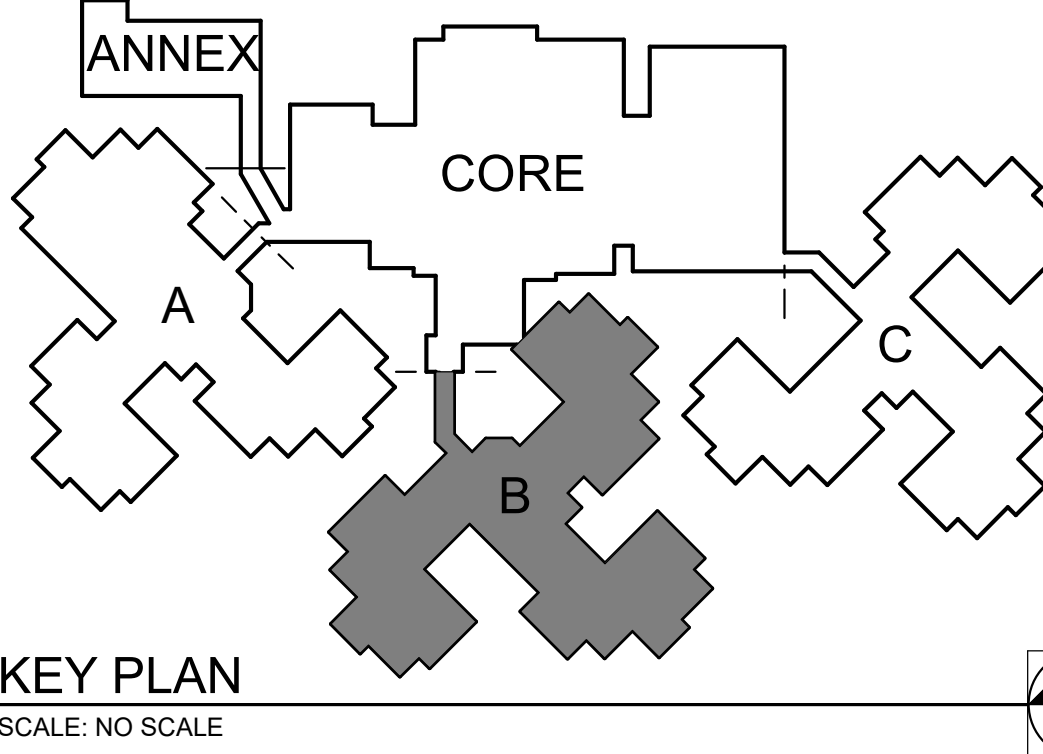
PAD FOOTING SCHEDULE						
TYPE MARK	WIDTH	LENGTH	DEPTH	LONG	TRANS	REMARKS
F3	3'-0"	3'-0"	1'-0"	(4) #6 T&B	(4) #6 T&B	
F4	4'-0"	4'-0"	1'-0"	(5) #6 T&B	(5) #6 T&B	
F5	5'-0"	5'-0"	1'-6"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	
F7	7'-0"	7'-0"	1'-6"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	
F10	10'-0"	10'-0"	1'-6"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	
F12	12'-0"	12'-0"	2'-0"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	

PEDESTAL SCHEDULE				
TYPE MARK	WIDTH	DEPTH	VERTICAL REINF	HORIZONTAL REINF
P1	1'-0"	1'-0"	(8) #5	#4 TIES AT 10" OC. TOP 12" AT 3" OC.
P18	1'-8"	1'-8"	(16) #5	#4 TIES AT 10" OC. TOP 12" AT 3" OC.
P2	2'-0"	2'-0"	(22) #5	#4 TIES AT 10" OC. TOP 12" AT 3" OC.
P26	2'-6"	2'-6"	(24) #5	#4 TIES AT 10" OC. TOP 12" AT 3" OC.
P3	3'-0"	3'-0"	(26) #7	#4 TIES AT 10" OC. TOP 12" AT 3" OC.

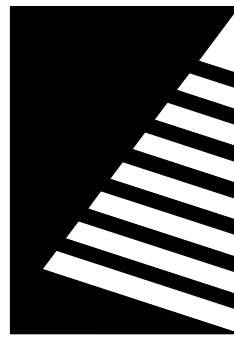
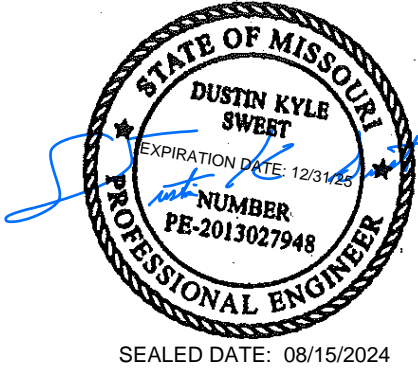
WALL FOOTING SCHEDULE				
TYPE MARK	WIDTH	THICKNESS	LONG REINF	TRANS REINF
WF1.5	1'-6"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.
WF2	2'-0"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.
WF3	3'-0"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.
WF4	4'-0"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.

FOUNDATION PLAN NOTES

- A. SEE S-001 AND S-002 FOR GENERAL STRUCTURAL NOTES.
- B. SEE GENERAL STRUCTURAL NOTES FOR DESIGN SOIL BEARING PRESSURE.
- C. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.
- D. SEE ARCHITECTURAL FOR FLOOR SLAB SLOPE REQUIREMENTS.
- E. COMPACTED FILL UNDER SLAB ON GRADE SHALL BE 6" OF 1" FREE-DRAINING AGGREGATE UNLESS OTHERWISE SHOWN ON DRAWINGS OR AS RECOMMENDED BY A GEOTECHNICAL ENGINEER.
- F. SEE PAD FOOTING SCHEDULE FOR FOOTING DIMENSIONS.
- G. SEE WALL FOOTING SCHEDULE FOR WALL FOOTING DIMENSIONS.
- H. SEE PEDESTAL SCHEDULE FOR PEDESTAL DIMENSIONS.
- I. T/FOOTING ELEVATION = (-)2'-6" UNLESS OTHERWISE NOTED.
- J. T/SLAB ELEVATION = 0'-0" UNLESS OTHERWISE NOTED.
- K. TYP T/ FOUNDATION WALL ELEV. = 0'-0" UNLESS OTHERWISE NOTED.
- L. FOR STEEL COLUMNS, T/ CONCRETE PILASTER ELEVATION = 0'-0" @ EXTERIOR WALLS. T/PEDESTAL OR FOOTING AT INTERIOR COLUMNS = (-)1'-0" UNLESS OTHERWISE NOTED. T/CANOPY PEDESTAL ELEVATION = (+)0'-4" UNLESS OTHERWISE NOTED.
- M. SEE 9/S-301 FOR FOUNDATION WALL CONSTRUCTION JOINT.
- N. SEE 10&12/S-301 FOR TYPICAL CORNER AND WALL INTERSECTION REINFORCEMENT.
- O. SLAB ON GRADE SHALL BE 4" CAST IN PLACE CONCRETE REINFORCED W/ WWF6x6xW2.1xW2.1 ON 10 MIL VAPOR BARRIER UNLESS OTHERWISE NOTED.
- P. USE CIRCULAR OR DIAMOND ISOLATION JOINTS AT ALL COLUMNS. SEE DETAIL 11/S-301 FOR SLAB CRACK CONTROL AT ISOLATION JOINT.
- Q. INSTALL SLAB CONTROL JOINTS AT ALL COLUMNS, INTERIOR CORNERS, AND WITH A MAX. JOINT SPACING OF 15'. SECTIONS OF SLAB BETWEEN CONTROL JOINTS, ASPECT RATIO NOT TO EXCEED 1.5:1. SEE DETAIL 7/S-301.
- R. SEE DETAIL 8/S-301 FOR SLAB CRACK CONTROL DETAILS.
- S. COORDINATE ALL FLOOR SLAB AND FOUNDATION WALL OPENINGS WITH OTHER TRADES. SEE DETAIL 15/S-301 FOR TYPICAL WALL SLEEVE DETAIL.
- T. SEE S-501 FOR BASE PLATE DETAILS.
- U. ANCHOR EMBED. DEPTH SHALL BE MEASURED FROM TOP OF FOUNDATION WALL OR FOOTING, NOT TOP OF SLAB.
- V. ● INDICATES SIMPSON HD7B HOLDDOWN OR EQUAL W/ 7/8"Ø A307 THREADED RODS IN HILTI HY200 ADHESIVE OR EQUIV. EMBED 8"
- W. SEE 13/S-301 FOR HOLD DOWN DETAIL. PROVIDE (2)2X END POST TYP EXCEPT AT WALLS ALONG GRID 3.7 PROVIDE (3)2X END POSTS.
- X. SEE ARCHITECTURE AND PLUMBING FOR WATERPROOFING REQUIREMENTS.
- Y. REMOVE AND REPLACE EXISTING SLAB ON GRADE AS REQUIRED TO INSTALL NEW FOUNDATIONS
- Z. AT FOOTING ELEVATION TRANSITIONS STEP FOOTING PER 2/S-302.
- AA. \* DENOTES EXISTING COLUMN TO REMAIN
- BB. SEE 16/S-301 FOR FOOTING DETAIL AT PIPE PENETRATIONS.



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Farnsworth  
GROUP  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: AJC  
CHECKED BY: DKS  
DESIGNED BY: AMC

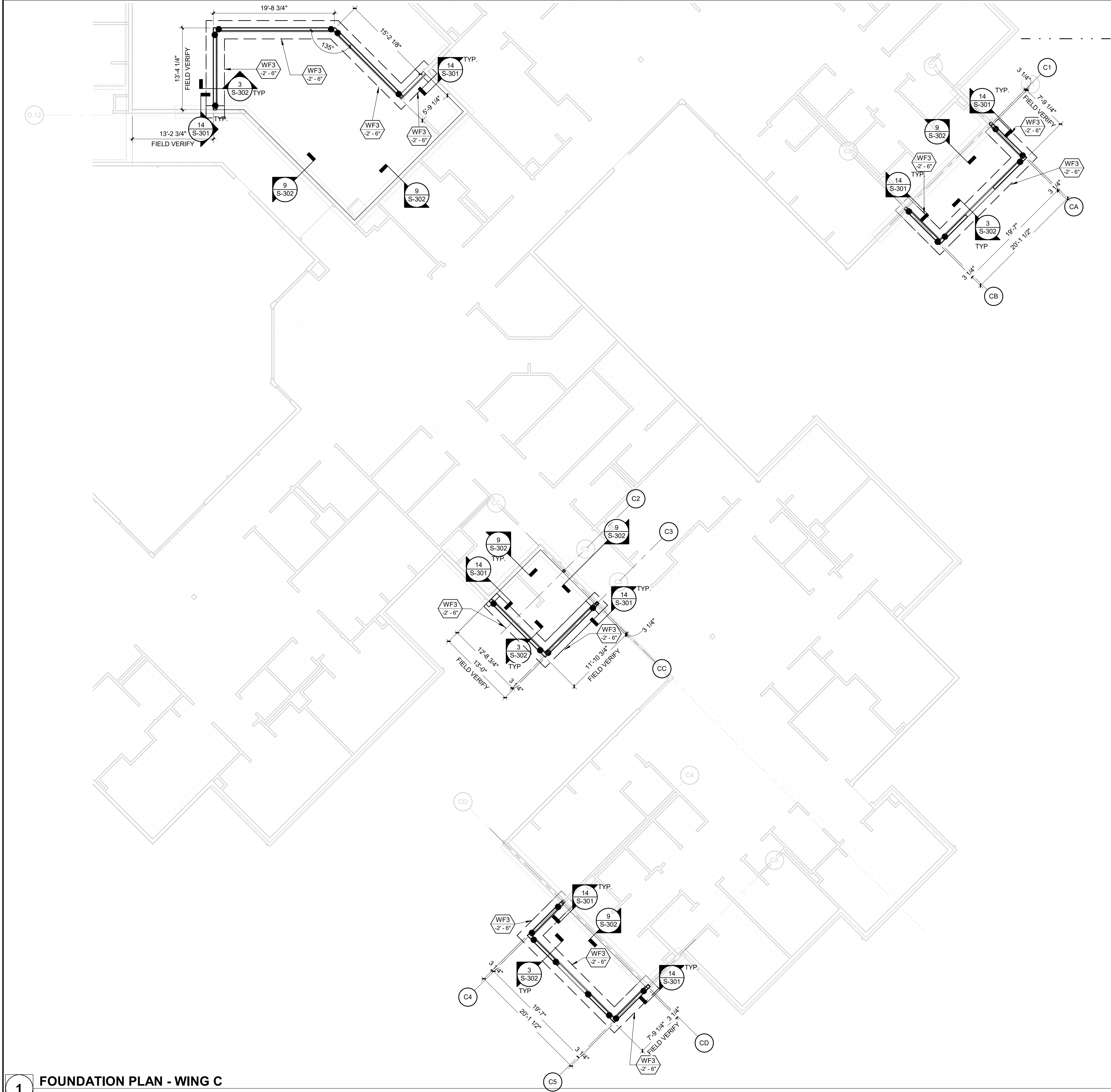
SHEET TITLE:  
FOUNDATION PLAN  
WING B

SHEET NUMBER:

S-103

SHEET 24 OF 197  
ISSUE DATE: 08/15/2024





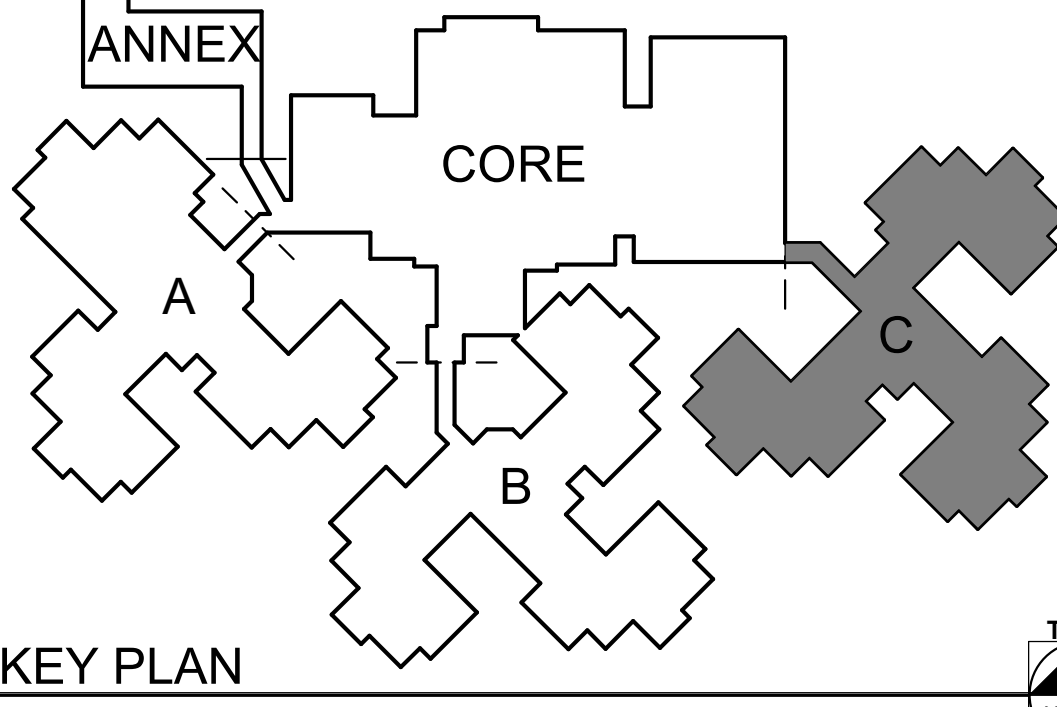
PAD FOOTING SCHEDULE						
TYPE MARK	WIDTH	LENGTH	DEPTH	LONG	TRANS	REMARKS
F3	3'-0"	3'-0"	1'-0"	(4) #6 T&B	(4) #6 T&B	
F4	4'-0"	4'-0"	1'-0"	(5) #6 T&B	(5) #6 T&B	
F5	5'-0"	5'-0"	1'-6"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	
F7	7'-0"	7'-0"	1'-6"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	
F10	10'-0"	10'-0"	1'-6"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	
F12	12'-0"	12'-0"	2'-0"	#6 AT 12" O.C. T&B	#6 AT 12" O.C. T&B	

PEDESTAL SCHEDULE				
TYPE MARK	WIDTH	DEPTH	VERTICAL REINF	HORIZONTAL REINF
P1	1'-0"	1'-0"	(8) #5	#4 TIES AT 10" OC, TOP 12" AT 3" OC.
P18	1'-8"	1'-8"	(16) #5	#4 TIES AT 10" OC, TOP 12" AT 3" OC.
P2	2'-0"	2'-0"	(22) #5	#4 TIES AT 10" OC, TOP 12" AT 3" OC.
P26	2'-6"	2'-6"	(24) #5	#4 TIES AT 10" OC, TOP 12" AT 3" OC.
P3	3'-0"	3'-0"	(26) #7	#4 TIES AT 10" OC, TOP 12" AT 3" OC.

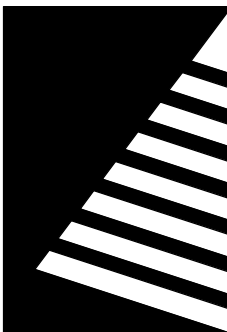
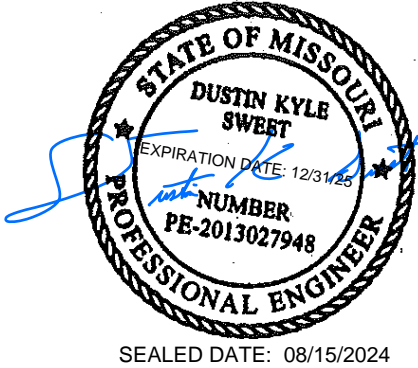
WALL FOOTING SCHEDULE				
TYPE MARK	WIDTH	THICKNESS	LONG REINF	TRANS REINF
WF1.5	1'-6"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.
WF2	2'-0"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.
WF3	3'-0"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.
WF4	4'-0"	1'-0"	#5 AT 12" O.C.	#5 AT 12" O.C.

#### FOUNDATION PLAN NOTES

- A. SEE S-001 AND S-002 FOR GENERAL STRUCTURAL NOTES.
- B. SEE GENERAL STRUCTURAL NOTES FOR DESIGN SOIL BEARING PRESSURE.
- C. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.
- D. SEE ARCHITECTURAL FOR FLOOR SLAB SLOPE REQUIREMENTS.
- E. COMPACTED FILL UNDER SLAB ON GRADE SHALL BE 6" OF 1" FREE-DRAINING AGGREGATE UNLESS OTHERWISE SHOWN ON DRAWINGS OR AS RECOMMENDED BY A GEOTECHNICAL ENGINEER.
- F. SEE PAD FOOTING SCHEDULE FOR FOOTING DIMENSIONS.
- G. SEE WALL FOOTING SCHEDULE FOR WALL FOOTING DIMENSIONS.
- H. SEE PEDESTAL SCHEDULE FOR PEDESTAL DIMENSIONS.
- I. T/FOOTING ELEVATION = (-)2'-6" UNLESS OTHERWISE NOTED.
- J. T/SLAB ELEVATION = 0'-0" UNLESS OTHERWISE NOTED.
- K. TYP T/ FOUNDATION WALL ELEV. = 0'-0" UNLESS OTHERWISE NOTED.
- L. FOR STEEL COLUMNS, T/ CONCRETE PILASTER ELEVATION = 0'-0" @ EXTERIOR WALLS. T/PEDESTAL OR FOOTING AT INTERIOR COLUMNS = (-)1'-0" UNLESS OTHERWISE NOTED. T/CANOPY PEDESTAL ELEVATION = (+)0'-4" UNLESS OTHERWISE NOTED.
- M. SEE 9/S-301 FOR FOUNDATION WALL CONSTRUCTION JOINT.
- N. SEE 10&12/S-301 FOR TYPICAL CORNER AND WALL INTERSECTION REINFORCEMENT.
- O. SLAB ON GRADE SHALL BE 4" CAST IN PLACE CONCRETE REINFORCED W/ WWF6x6xW2.1xW2.1 ON 10 MIL VAPOR BARRIER UNLESS OTHERWISE NOTED.
- P. USE CIRCULAR OR DIAMOND ISOLATION JOINTS AT ALL COLUMNS. SEE DETAIL 11/S-301 FOR SLAB CRACK CONTROL AT ISOLATION JOINT.
- Q. INSTALL SLAB CONTROL JOINTS AT ALL COLUMNS, INTERIOR CORNERS, AND WITH A MAX. JOINT SPACING OF 15'. SECTIONS OF SLAB BETWEEN CONTROL JOINTS, ASPECT RATIO NOT TO EXCEED 1.5:1. SEE DETAIL 7/S-301.
- R. SEE DETAIL 8/S-301 FOR SLAB CRACK CONTROL DETAILS.
- S. COORDINATE ALL FLOOR SLAB AND FOUNDATION WALL OPENINGS WITH OTHER TRADES. SEE DETAIL 15/S-301 FOR TYPICAL WALL SLEEVE DETAIL.
- T. SEE S-501 FOR BASE PLATE DETAILS.
- U. ANCHOR EMBED. DEPTH SHALL BE MEASURED FROM TOP OF FOUNDATION WALL OR FOOTING, NOT TOP OF SLAB.
- V. ● INDICATES SIMPSON HD7B HOLDDOWN OR EQUAL W/ 7/8"Ø A307 THREADED RODS IN HILTI HY200 ADHESIVE OR EQUIV. EMBED 8"
- W. SEE 13/S-301 FOR HOLD DOWN DETAIL. PROVIDE (2)2X END POST TYP EXCEPT AT WALLS ALONG GRID 3.7 PROVIDE (3)2X END POSTS.
- X. SEE ARCHITECTURE AND PLUMBING FOR WATERPROOFING REQUIREMENTS.
- Y. REMOVE AND REPLACE EXISTING SLAB ON GRADE AS REQUIRED TO INSTALL NEW FOUNDATIONS
- Z. AT FOOTING ELEVATION TRANSITIONS STEP FOOTING PER 2/S-302.
- AA. \* DENOTES EXISTING COLUMN TO REMAIN
- BB. SEE 16/S-301 FOR FOOTING DETAIL AT PIPE PENETRATIONS.



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AJC  
CHECKED BY: DKS  
DESIGNED BY: AMC

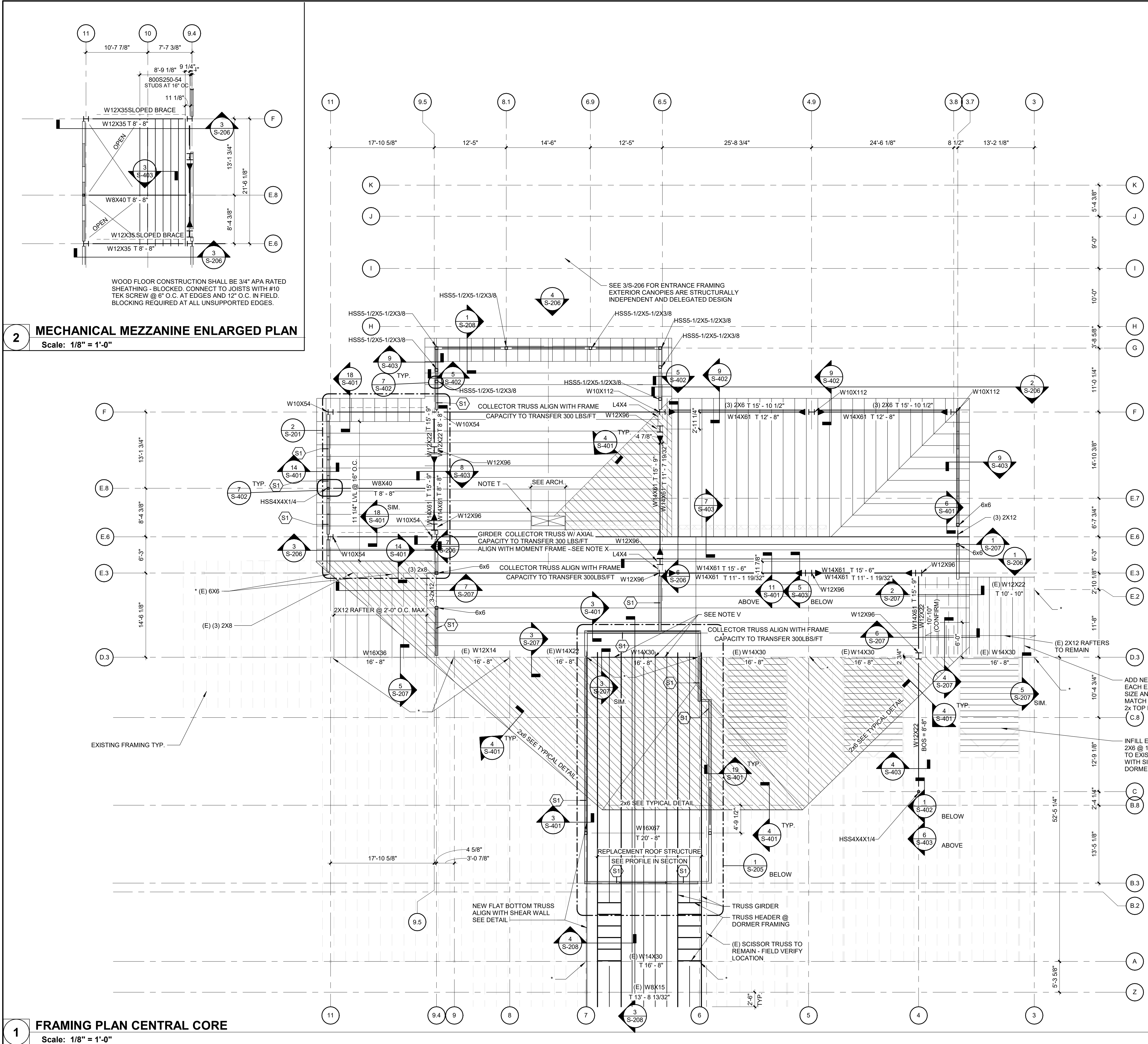
SHEET TITLE:  
**FOUNDATION PLAN  
WING C**

SHEET NUMBER:

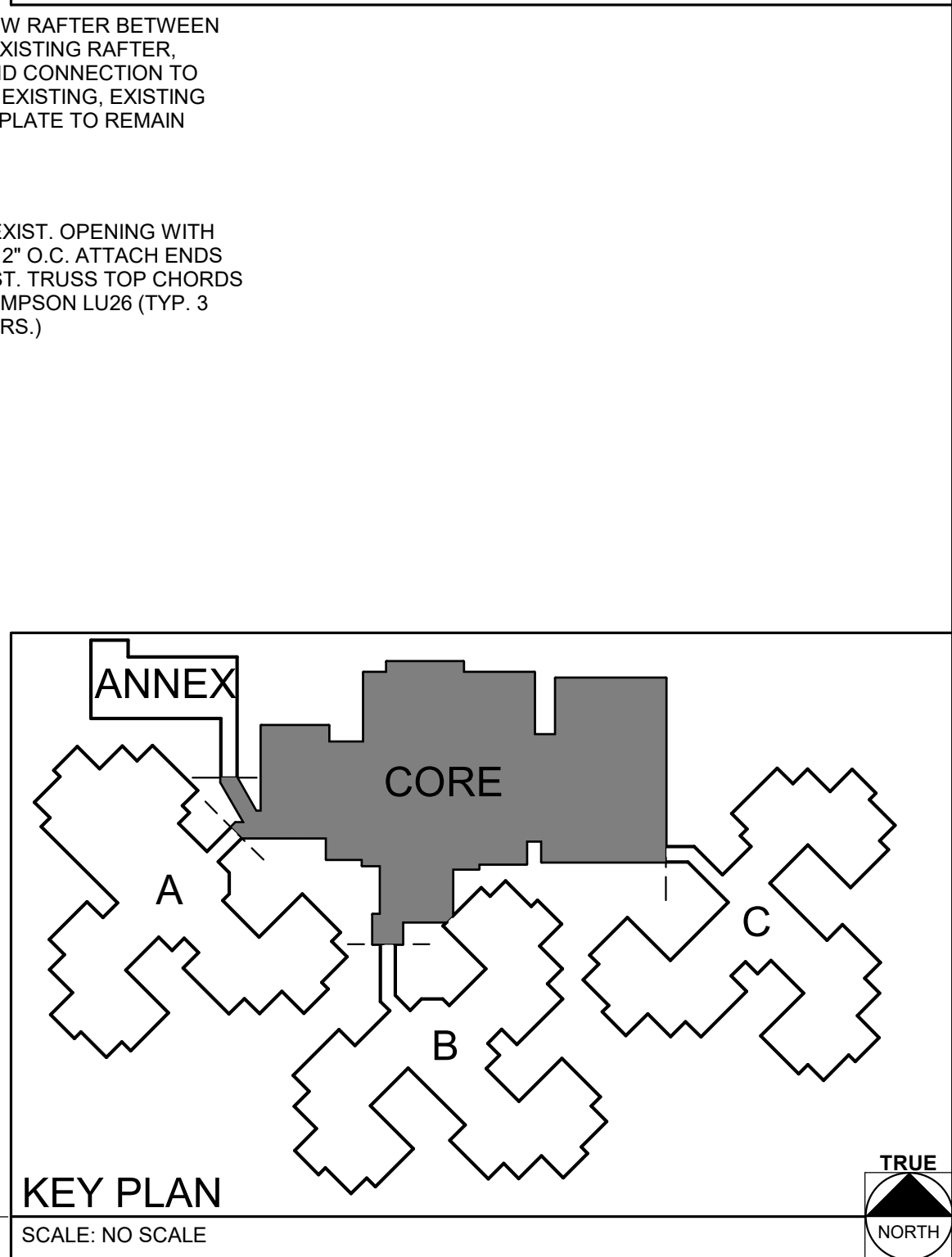
**S-104**

SHEET 25 OF 197  
ISSUE DATE: 08/15/2024





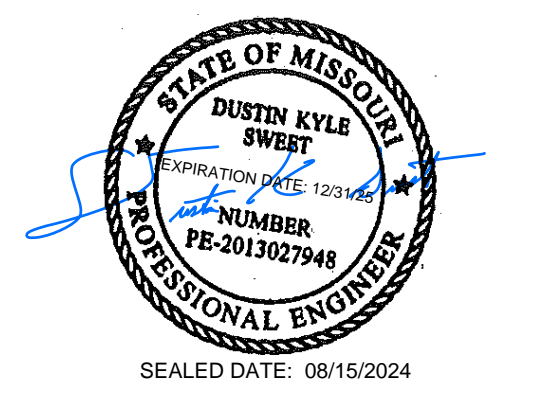
- ROOF FRAMING PLAN NOTES**
- A. SEE S-001 FOR GENERAL STRUCTURAL NOTES.
- B. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.
- C. SEE PLAN FOR T/BEAM NOTED THUS:  $\frac{W24 \times 55}{14'-2\frac{1}{2}"}$
- D. ROOF CONSTRUCTION: WOOD ROOF CONSTRUCTION 19/32 APA RATED SHEATHING - BLOCKED. NAILING AT PANEL EDGES IS 10d @ 4" O.C. W/MIN 1-1/2" PENETRATION AND 3" MIN NOMINAL WIDTH OF NAILED FACE AT ADJOINING PANEL EDGES AND BOUNDARIES. NAILING IN FIELD SHALL BE 10d @ 12" O.C. W/MIN 1-1/2" PENETRATION. BLOCKING REQUIRED AT ALL UNSUPPORTED EDGES.
- E. COORDINATE SIZES AND LOCATIONS OF OPENINGS THROUGH FLOOR DECK WITH MECHANICAL CONTRACTOR.
- F. FOR TYPICAL MOMENT CONNECTIONS, SEE 3&4/S-402.
- G. FOR SIMPLE FRAMED CONNECTIONS, SEE 1/S-402.
- H. STEEL CONNECTIONS:  
MOMENT FRAMED  
SIMPLE FRAMED
- I. INDICATES LOCATIONS OF SHEAR WALL.
- SHEAR WALL SHEATHING REQUIREMENTS ARE AS FOLLOWS:  
S1: 7/16" STRUCTURAL 1 PLYWOOD BOTH SIDES FASTENED WITH 8d AT 6" OC AND 8d AT 12" OC IN THE FIELD.
- J. SEE 1/S-401 FOR TYPICAL SHEAR WALL DETAIL.
- K. BEARING WALL STUDS SHALL BE 2x6 @ 16" OC MAX UNLESS OTHERWISE NOTED. PROVIDE MIN. (3) 2x6 STUDS ALIGNED DIRECTLY BELOW ALL GIRDER TRUSS BEARING LOCATIONS UNLESS OTHERWISE NOTED.
- L. SEE ARCHITECTURAL BUILDING SECTIONS FOR ADDITIONAL TRUSS PROFILE DIMENSIONS NOT SHOWN. FINAL PROFILES SHALL BE DETERMINED BY TRUSS MFR. ALL OVERHANG AND CORNER FRAMING SHALL BE DESIGNED BY TRUSS MFR. TRUSS TO TRUSS CONNECTIONS SHALL BE SPECIFIED BY THE TRUSS MFR.
- M. TYPICAL HEADER AT EXTERIOR WALL SHALL BE MIN (3) 2x10 FOR SPANS UP TO 6 FT W/ MIN (3) KING STUDS & 2 JACK STUDS AT EACH END. TYPICAL HEADER AT INTERIOR LOAD BEARING WALLS SHALL BE MIN (3) 2x6 FOR SPANS UP TO 4 FT W/ MIN (1) FULL HEIGHT STUD & 2 JACK STUDS AT EACH END. AT NON LOAD BEARING INTERIOR PARTITION WALLS, HEADERS MAY BE (2) 2x. SEE ARCH FOR LOCATIONS.
- N. TYPICAL TRUSS SPACING SHALL BE 2'-0" UNLESS NOTED OTHERWISE. PROVIDE ADDITIONAL TRUSSES AS REQUIRED FOR ALIGNMENT WITH SHEARWALLS AND STEEL FRAMES AS SHOWN ON PLANS.
- O. TRUSSES ALIGNED WITH STEEL FRAMES SHALL BE DESIGNED TO TRANSFER SPECIFIED UNIT SHEAR DUE TO WIND AND SEISMIC FROM THE TOP CHORD TO THE BOTTOM CHORD.
- P. TRUSS BEARING AND BOTTOM CHORD ELEVATION VARIES. SEE ARCHITECTURAL PLANS, ELEVATIONS, AND SECTIONS FOR ADDITIONAL TRUSS PROFILE INFORMATION.
- Q. ROOF TRUSSES SHALL BE DESIGNED TO SUPPORT MECHANICAL EQUIPMENT. COORDINATE SIZE AND LOCATION OF UNITS WITH MECHANICAL CONTRACTOR. COORDINATE WEB LOCATIONS WITH MECHANICAL DUCT RUNS.
- R. INDICATES OVERBUILD BY TRUSS MFR.
- S. CONTRACTOR TO REMOVE EXISTING ROOFING DOWN TO THE PLYWOOD IN ALL NEW OVERBUILD AREAS.
- T. AT FIREPLACE ROOF PENETRATION, TRUSS MFR. SHALL DESIGN FRAMED OPENING TO TRANSFER 4.5KIP LATERAL SERVICE SEISMIC REACTION INTO ROOF SYSTEM.
- U. \* DENOTES EXISTING COLUMN TO REMAIN.
- V. ON GRID D.3 BETWEEN GRID 6 & 7, CONFIRM IF EXISTING BEAM / COLUMNS EXIST THAT ARE NOT SHOWN. NEW BEAM SHALL BE SUPPORTED BY EXISTING COLUMNS ON GRIDS 6 & 7.
- X. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOUVER LOCATION. TRUSSES TO BE DESIGNED TO ACCOMMODATE DUCTWORK. SEE 1/S-207 FOR TRUSS PROFILE LIMITS INFORMATION.
- Y. INDICATES BEARING WALL W/ 7/16" STRUCTURAL 1 PLYWOOD ONE SIDE FASTENED WITH 8d AT 6" OC AND 8d AT 12" OC IN THE FIELD.
- Z. SHEATHING SHALL STAGGER WITH EXISTING TYPICAL ALL EXISTING / PROPOSED TRANSITIONS. REMOVE AND REPLACE EXISTING SHEATHING AS REQUIRED.



**2 MECHANICAL MEZZANINE ENLARGED PLAN**  
Scale: 1/8" = 1'-0"

**1 FRAMING PLAN CENTRAL CORE**  
Scale: 1/8" = 1'-0"

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
FACILITY #.:	8136803002
FAI#.:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: AJC  
CHECKED BY: DKS  
DESIGNED BY: AMC

SHEET TITLE:  
**FRAMING PLAN  
CENTRAL CORE**

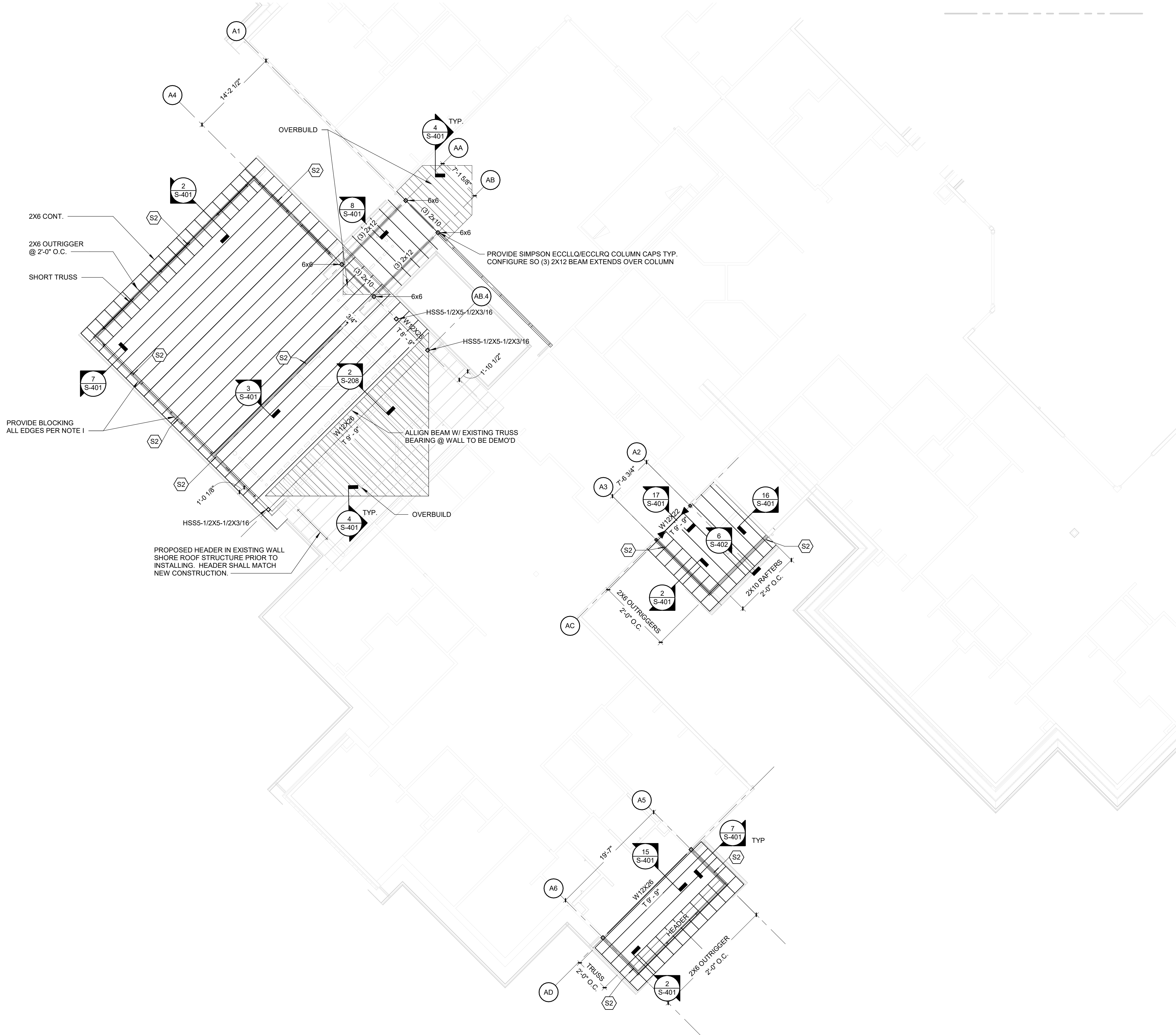
SHEET NUMBER:  
**S-201**

SHEET 26 OF 197  
ISSUE DATE: 08/15/2024



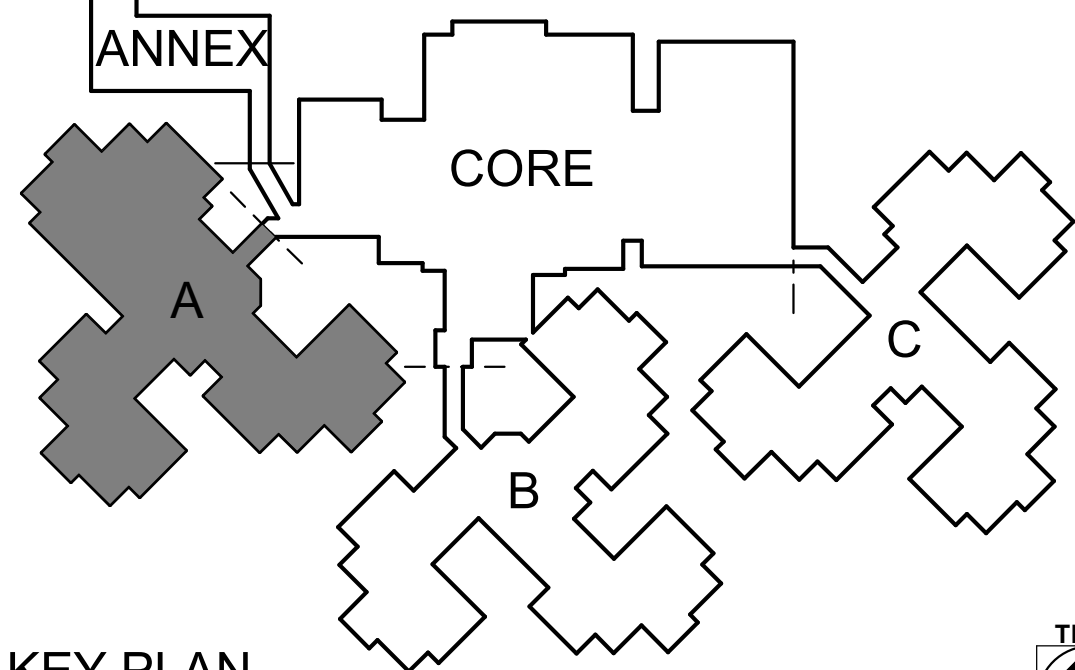
8/15/2024 8:45:30 AM

1 FRAMING PLAN - WING A  
Scale: 1/8" = 1'-0"



ROOF FRAMING PLAN NOTES

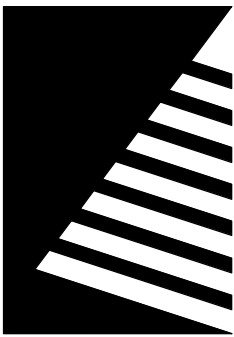
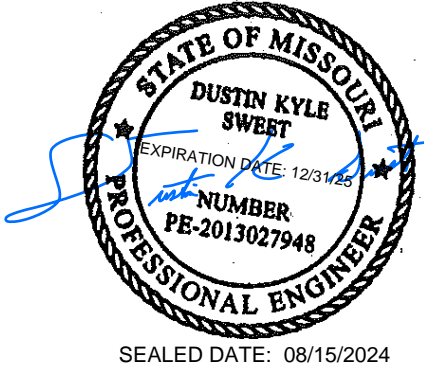
- A. SEE S-001 FOR GENERAL STRUCTURAL NOTES.
- B. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.
- C. SEE PLAN FOR T/BREAM NOTED THUS:  $\frac{W24x55}{(14'-2\ 1/2")}$
- D. ROOF CONSTRUCTION: WOOD ROOF CONSTRUCTION 5/8" APA RATED SHEATHING - BLOCKED. NAILING AT PANEL EDGES IS 10d @ 4" O.C. W/MIN 1-1/2" PENETRATION AND 3" MIN NOMINAL WIDTH OF NAILED FACE AT ADJOINING PANEL EDGES AND BOUNDARIES. NAILING IN FIELD SHALL BE 10d @ 12" O.C. W/MIN 1-1/2" PENETRATION. BLOCKING REQUIRED AT ALL UNSUPPORTED EDGES.
- E. COORDINATE SIZES AND LOCATIONS OF OPENINGS THROUGH FLOOR/ROOF DECK WITH MECHANICAL CONTRACTOR.
- F. FOR TYPICAL MOMENT CONNECTIONS, SEE 5/S-402.
- G. FOR SIMPLE FRAMED CONNECTIONS, SEE 1/S-402.
- H. STEEL CONNECTIONS:  
◀ MOMENT FRAMED  
| SIMPLE FRAMED
- I. INDICATES LOCATIONS OF SHEAR WALL.
- SHEAR WALL SHEATHING REQUIREMENTS ARE AS FOLLOWS:  
S2/7/16" STRUCTURAL 1 PLYWOOD BOTH SIDES FASTENED WITH 8d AT 6" OC AND 8d AT 12" OC IN THE FIELD. PROVIDE 2X BLOCKING IN WALL AT ALL SHEATHING JOINTS IN SHEAR WALL PANELS WHERE INDICATED ON PLAN.
- J. SEE 1/S-401 FOR TYPICAL SHEAR WALL DETAIL.
- K. BEARING WALL STUDS SHALL BE 2x6 @ 16" OC MAX UNLESS OTHERWISE NOTED. PROVIDE MIN. (3)2X6 STUDS ALIGNED DIRECTLY BELOW ALL GIRDER TRUSS BEARING LOCATIONS UNLESS OTHERWISE NOTED.
- L. SEE ARCHITECTURAL BUILDING SECTIONS FOR TRUSS PROFILES. TRUSS PROFILES NOT SHOWN SHALL BE DETERMINED BY TRUSS MFR. ALL OVERHANG AND CORNER FRAMING SHALL BE DESIGNED BY TRUSS MFR. TRUSS TO TRUSS CONNECTIONS SHALL BE SPECIFIED BY THE TRUSS MFR.
- M. TYPICAL HEADER AT EXTERIOR WALL SHALL BE MIN (3) 2x10 FOR SPANS UP TO 6 FT W/ MIN (3) KING STUDS & 2 JACK STUDS AT EACH END. TYPICAL HEADER AT INTERIOR LOAD BEARING WALLS SHALL BE MIN (3) 2x6 FOR SPANS UP TO 4 FT W/ MIN (1) FULL HEIGHT STUD & 2 JACK STUDS AT EACH END. AT NON LOAD BEARING INTERIOR PARTITION WALLS, HEADERS MAY BE (2) 2x. SEE ARCH FOR LOCATIONS.
- N. TYPICAL TRUSS SPACING SHALL BE 2'-0" UNLESS NOTED OTHERWISE.
- O. TRUSS BEARING AND BOTTOM CHORD ELEVATION VARIES - SEE PLAN & DETAILS. SEE ARCHITECTURAL PLANS, ELEVATIONS, AND SECTIONS FOR ADDITIONAL TRUSS BEARING INFORMATION.
- P. ROOF TRUSSES SHALL BE DESIGNED TO SUPPORT MECHANICAL EQUIPMENT. COORDINATE SIZE AND LOCATION OF UNITS WITH MECHANICAL CONTRACTOR. COORDINATE WEB LOCATIONS WITH MECHANICAL DUCT RUNS.
- Q. INDICATES TRUSS MFR'S OPTION: OVERBUILD TO BE DESIGNED BY TRUSS MFR OR TRUSS PROFILES BELOW SHADING MAY BE DESIGNED TO MATCH ROOF SLOPE.
- R. NOT USED
- S. CONTRACTOR TO REMOVE EXISTING ROOFING DOWN TO PLYWOOD AT OVERBUILD LOCATIONS



SCALE: NO SCALE



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: AJC  
CHECKED BY: DKS  
DESIGNED BY: AMC

SHEET TITLE:

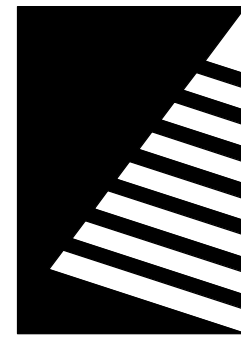
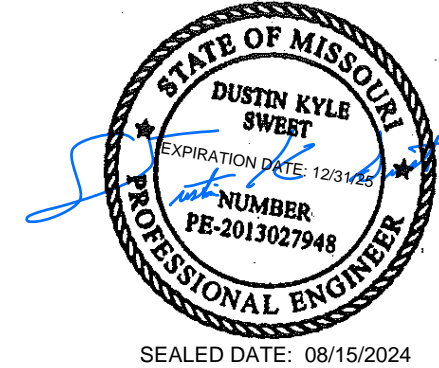
FRAMING PLAN WING  
A

SHEET NUMBER:

S-202

SHEET 27 OF 197  
ISSUE DATE: 08/15/2024





## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

### 100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

### UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: AJC  
CHECKED BY: DKS  
DESIGNED BY: AMC

SHEET TITLE:

### FRAMING PLAN WING B

SHEET NUMBER:

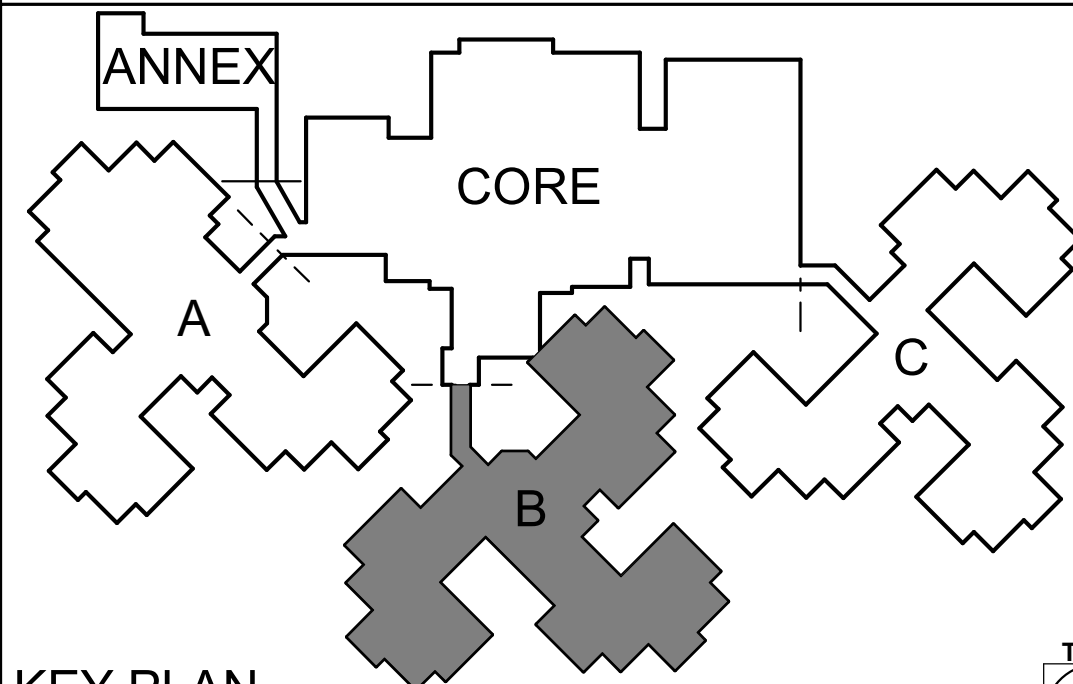
# S-203

SHEET 28 OF 197  
ISSUE DATE: 08/15/2024

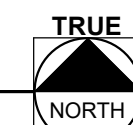


### ROOF FRAMING PLAN NOTES

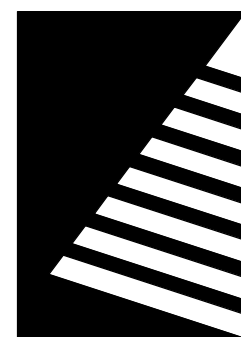
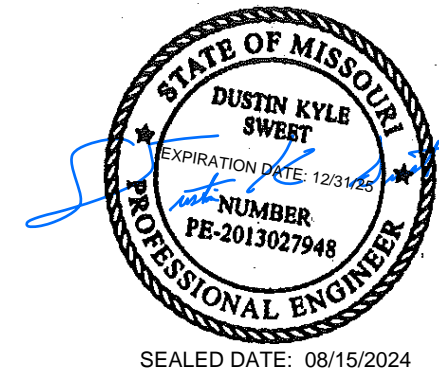
- A. SEE S-001 FOR GENERAL STRUCTURAL NOTES.
- B. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.
- C. SEE PLAN FOR T/B/EAM NOTED THUS:  $\frac{W24 \times 55}{(14'-2 \frac{1}{2}')} (14'-2 \frac{1}{2}')$
- D. ROOF CONSTRUCTION: WOOD ROOF CONSTRUCTION 5/8" APA RATED SHEATHING - BLOCKED. NAILING AT PANEL EDGES IS 10d @ 4" O.C. W/MIN 1-1/2" PENETRATION AND 3" MIN NOMINAL WIDTH OF NAILED FACE AT ADJOINING PANEL EDGES AND BOUNDARIES. NAILING IN FIELD SHALL BE 10d @ 12" O.C. W/MIN 1-1/2" PENETRATION. BLOCKING REQUIRED AT ALL UNSUPPORTED EDGES.
- E. COORDINATE SIZES AND LOCATIONS OF OPENINGS THROUGH FLOOR/ROOF DECK WITH MECHANICAL CONTRACTOR.
- F. FOR TYPICAL MOMENT CONNECTIONS, SEE 5/S-402.
- G. FOR SIMPLE FRAMED CONNECTIONS, SEE 1/S-402.
- H. STEEL CONNECTIONS:  
◀ MOMENT FRAMED  
— SIMPLE FRAMED
- I. INDICATES LOCATIONS OF SHEAR WALL.
- SHEAR WALL SHEATHING REQUIREMENTS ARE AS FOLLOWS:  
S2-7/16" STRUCTURAL 1 PLYWOOD BOTH SIDES FASTENED WITH 8d AT 6" OC AND 8d AT 12" OC IN THE FIELD. PROVIDE 2X BLOCKING IN WALL AT ALL SHEATHING JOINTS IN SHEAR WALL PANELS WHERE INDICATED ON PLAN.
- J. SEE 1/S-401 FOR TYPICAL SHEAR WALL DETAIL.
- K. BEARING WALL STUDS SHALL BE 2x6 @ 16" OC MAX UNLESS OTHERWISE NOTED. PROVIDE MIN. (3)2x6 STUDS ALIGNED DIRECTLY BELOW ALL GIRDER TRUSS BEARING LOCATIONS UNLESS OTHERWISE NOTED.
- L. SEE ARCHITECTURAL BUILDING SECTIONS FOR TRUSS PROFILES. TRUSS PROFILES NOT SHOWN SHALL BE DETERMINED BY TRUSS MFR. ALL OVERHANG AND CORNER FRAMING SHALL BE DESIGNED BY TRUSS MFR. TRUSS TO TRUSS CONNECTIONS SHALL BE SPECIFIED BY THE TRUSS MFR.
- M. TYPICAL HEADER AT EXTERIOR WALL SHALL BE MIN (3) 2x10 FOR SPANS UP TO 6 FT W/ MIN (3) KING STUDS & 2 JACK STUDS AT EACH END. TYPICAL HEADER AT INTERIOR LOAD BEARING WALLS SHALL BE MIN (3) 2x6 FOR SPANS UP TO 4 FT W/ MIN (1) FULL HEIGHT STUD & 2 JACK STUDS AT EACH END. AT NON LOAD BEARING INTERIOR PARTITION WALLS, HEADERS MAY BE (2) 2x. SEE ARCH FOR LOCATIONS.
- N. TYPICAL TRUSS SPACING SHALL BE 2'-0" UNLESS NOTED OTHERWISE.
- O. TRUSS BEARING AND BOTTOM CHORD ELEVATION VARIES - SEE PLAN & DETAILS. SEE ARCHITECTURAL PLANS, ELEVATIONS, AND SECTIONS FOR ADDITIONAL TRUSS BEARING INFORMATION.
- P. ROOF TRUSSES SHALL BE DESIGNED TO SUPPORT MECHANICAL EQUIPMENT. COORDINATE SIZE AND LOCATION OF UNITS WITH MECHANICAL CONTRACTOR. COORDINATE WEB LOCATIONS WITH MECHANICAL DUCT RUNS.
- Q. INDICATES TRUSS MFR'S OPTION: OVERBUILD TO BE DESIGNED BY TRUSS MFR OR TRUSS PROFILES BELOW SHADING MAY BE DESIGNED TO MATCH ROOF SLOPE.
- R. NOT USED
- S. CONTRACTOR TO REMOVE EXISTING ROOFING DOWN TO PLYWOOD AT OVERBUILD LOCATIONS



KEY PLAN  
SCALE: NO SCALE







## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

### 100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

FACILITY #.: 8136803002

FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AJC

CHECKED BY: DKS

DESIGNED BY: AMC

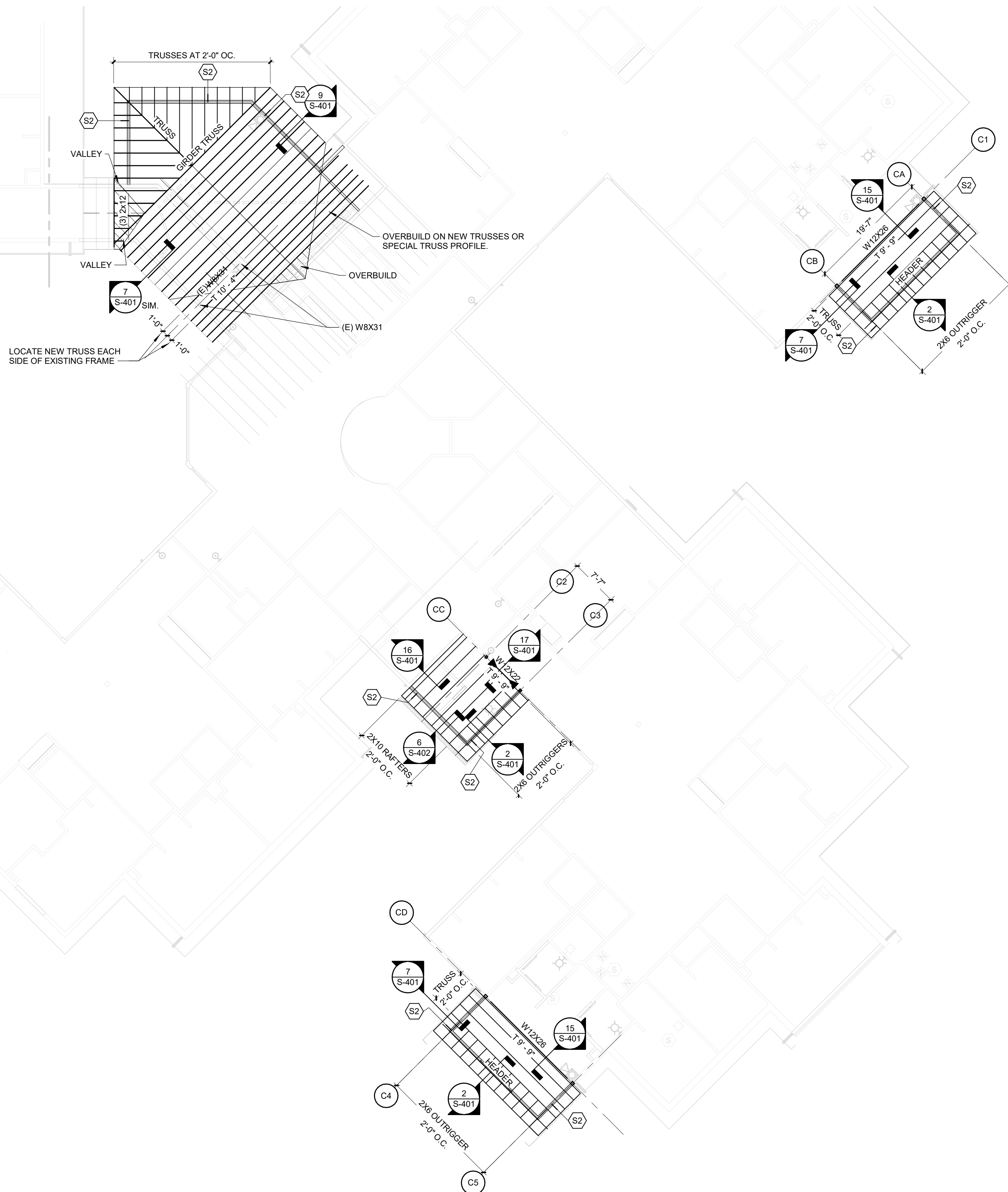
SHEET TITLE:

### FRAMING PLAN WING C

SHEET NUMBER:

# S-204

SHEET 29 OF 197  
ISSUE DATE: 08/15/2024



### ROOF FRAMING PLAN NOTES

A. SEE S-001 FOR GENERAL STRUCTURAL NOTES.

B. SEE ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.

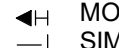
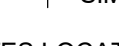
C. SEE PLAN FOR T/BREAM NOTED THUS:  $\frac{W24 \times 55}{(14'-2 \frac{1}{2}')$

D. ROOF CONSTRUCTION: WOOD ROOF CONSTRUCTION 5/8" APA RATED SHEATHING - BLOCKED. NAILING AT PANEL EDGES IS 10d @ 4" O.C. W/MIN 1-1/2" PENETRATION AND 3" MIN NOMINAL WIDTH OF NAILED FACE AT ADJOINING PANEL EDGES AND BOUNDARIES. NAILING IN FIELD SHALL BE 10d @ 12" O.C. W/MIN 1-1/2" PENETRATION. BLOCKING REQUIRED AT ALL UNSUPPORTED EDGES.

E. COORDINATE SIZES AND LOCATIONS OF OPENINGS THROUGH FLOOR/ROOF DECK WITH MECHANICAL CONTRACTOR.

F. FOR TYPICAL MOMENT CONNECTIONS, SEE 5/S-402.

G. FOR SIMPLE FRAMED CONNECTIONS, SEE 1/S-402.

H. STEEL CONNECTIONS:  MOMENT FRAMED  
 SIMPLE FRAMED

I.  INDICATES LOCATIONS OF SHEAR WALL.

SHEAR WALL SHEATHING REQUIREMENTS ARE AS FOLLOWS:  
S2/7/16" STRUCTURAL 1 PLYWOOD BOTH SIDES FASTENED WITH 8d @ 6" OC AND 8d @ 12" OC IN THE FIELD. PROVIDE 2X BLOCKING IN WALL AT ALL SHEATHING JOINTS IN SHEAR WALL PANELS WHERE INDICATED ON PLAN.

J. SEE 1/S-401 FOR TYPICAL SHEAR WALL DETAIL.

K. BEARING WALL STUDS SHALL BE 2x6 @ 16" OC MAX UNLESS OTHERWISE NOTED. PROVIDE MIN. (3)2x6 STUDS ALIGNED DIRECTLY BELOW ALL GIRDER TRUSS BEARING LOCATIONS UNLESS OTHERWISE NOTED.

L. SEE ARCHITECTURAL BUILDING SECTIONS FOR TRUSS PROFILES. TRUSS PROFILES NOT SHOWN SHALL BE DETERMINED BY TRUSS MFR. ALL OVERHANG AND CORNER FRAMING SHALL BE DESIGNED BY TRUSS MFR. TRUSS TO TRUSS CONNECTIONS SHALL BE SPECIFIED BY THE TRUSS MFR.

M. TYPICAL HEADER AT EXTERIOR WALL SHALL BE MIN (3) 2x10 FOR SPANS UP TO 6 FT W/ MIN (3) KING STUDS & 2 JACK STUDS AT EACH END. TYPICAL HEADER AT INTERIOR LOAD BEARING WALLS SHALL BE MIN (3) 2x6 FOR SPANS UP TO 4 FT W/ MIN (1) FULL HEIGHT STUD & 2 JACK STUDS AT EACH END. AT NON LOAD BEARING INTERIOR PARTITION WALLS, HEADERS MAY BE (2) 2x. SEE ARCH FOR LOCATIONS.

N. TYPICAL TRUSS SPACING SHALL BE 2'-0" UNLESS NOTED OTHERWISE.

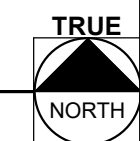
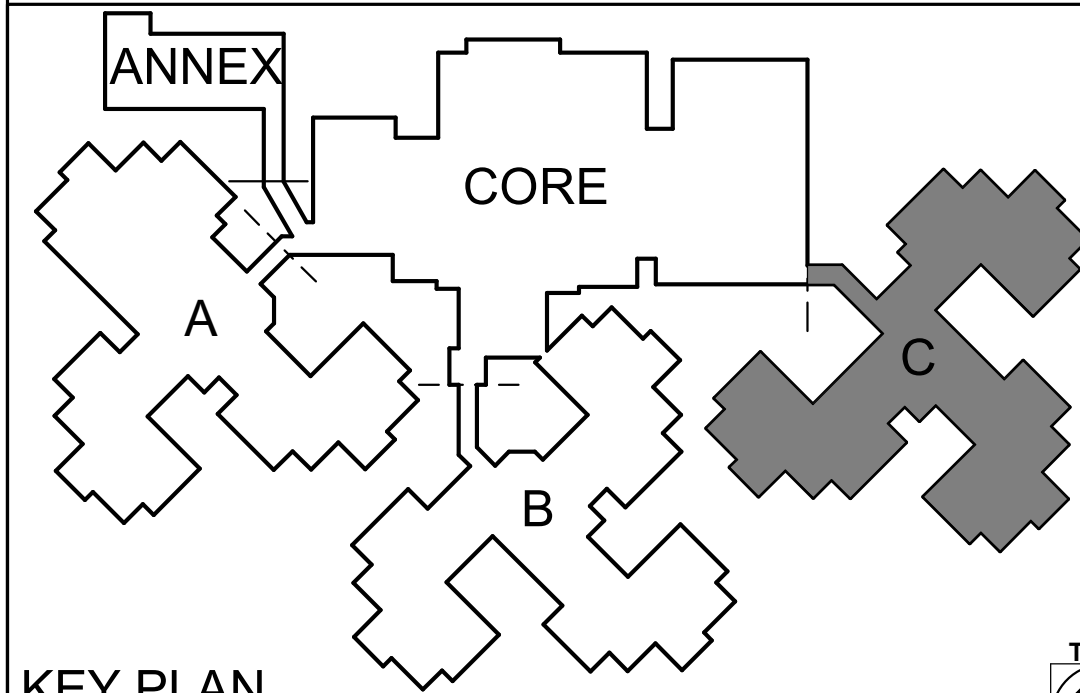
O. TRUSS BEARING AND BOTTOM CHORD ELEVATION VARIES - SEE PLAN & DETAILS. SEE ARCHITECTURAL PLANS, ELEVATIONS, AND SECTIONS FOR ADDITIONAL TRUSS BEARING INFORMATION.

P. ROOF TRUSSES SHALL BE DESIGNED TO SUPPORT MECHANICAL EQUIPMENT COORDINATE SIZE AND LOCATION OF UNITS WITH MECHANICAL CONTRACTOR. COORDINATE WEB LOCATIONS WITH MECHANICAL DUCT RUNS.

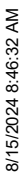
Q.  INDICATES TRUSS MFR'S OPTION: OVERBUILD TO BE DESIGNED BY TRUSS MFR OR TRUSS PROFILES BELOW SHADING MAY BE DESIGNED TO MATCH ROOF SLOPE.

R. NOT USED

S. CONTRACTOR TO REMOVE EXISTING ROOFING DOWN TO PLYWOOD AT OVERBUILD LOCATIONS







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

- A. SEE S-001 AND S-002 FOR GENERAL STRUCTURAL NOTES.
- B. SEE ARCHITECTURE FOR DIMENSIONS NOT SHOWN.
- C. WOOD FLOOR CONSTRUCTION SHALL BE 3/4" APA RATED SHEATHING - BLOCKED, NAILING AT PANEL EDGES IS 10d AT 6" OC. WITH MIN. 1 1/2" PENETRATION AND 3" MIN NOMINAL WIDTH OF NAILED FACE AT ADJOINING PANEL EDGES AND BOUNDARIES. NAILING IN THE FIELD SHALL BE 10d AT 12" OC. WITH MIN. 1 1/2" PENETRATION. BLOCKING REQUIRED AT ALL UNSUPPORTED EDGES.
- D. SEE ARCH FOR FLOOR SLAB SLOPE REQUIREMENTS.
- E. COORDINATE SIZES AND LOCATIONS OF OPENINGS FROM FLOOR DECK WITH MECHANICAL CONTRACTOR.
- F. SEE ARCH FOR TYPICAL BRACING AT TICMU WALLS.
- G. SEE 1/S-601 FOR TYPICAL CMU REINFORCEMENT.
- H. XXXXXXXXXX INDICATES LOCATIONS OF SHEAR WALL.
- I. SHEAR WALL SHEATHING REQUIREMENTS ARE AS FOLLOWS:  
S1: 15/32" STRUCTURE 1 PLYWOOD BOTH SIDES FASTENED WITH 8d AT 6" OC WITH 1 3/8" MIN PENETRATION ALONG PANEL EDGES AND 8d AT 12" OC IN THE FIELD.
- J. SEE 1/S-401 FOR TYPICAL SHEAR WALL DETAIL.
- K. PROVIDE BLOCKING BETWEEN FLOORS AT POSTS AND MULTIPLE STUD LOCATIONS TO PROVIDE CONTINUOUS LOAD PATH FROM POSTS AT UPPER FLOORS TO FOUNDATION.
- L. CONTRACTOR LAYOUT CONTROL JOINTS SIDE TO SIDE ASPECT RATIO 1.5:1 MAX



08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

# UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
FACILITY #.:	8136803002
FAI#.:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: AJC  
CHECKED BY: DKS  
DESIGNED BY: AMC

SHEET TITLE:

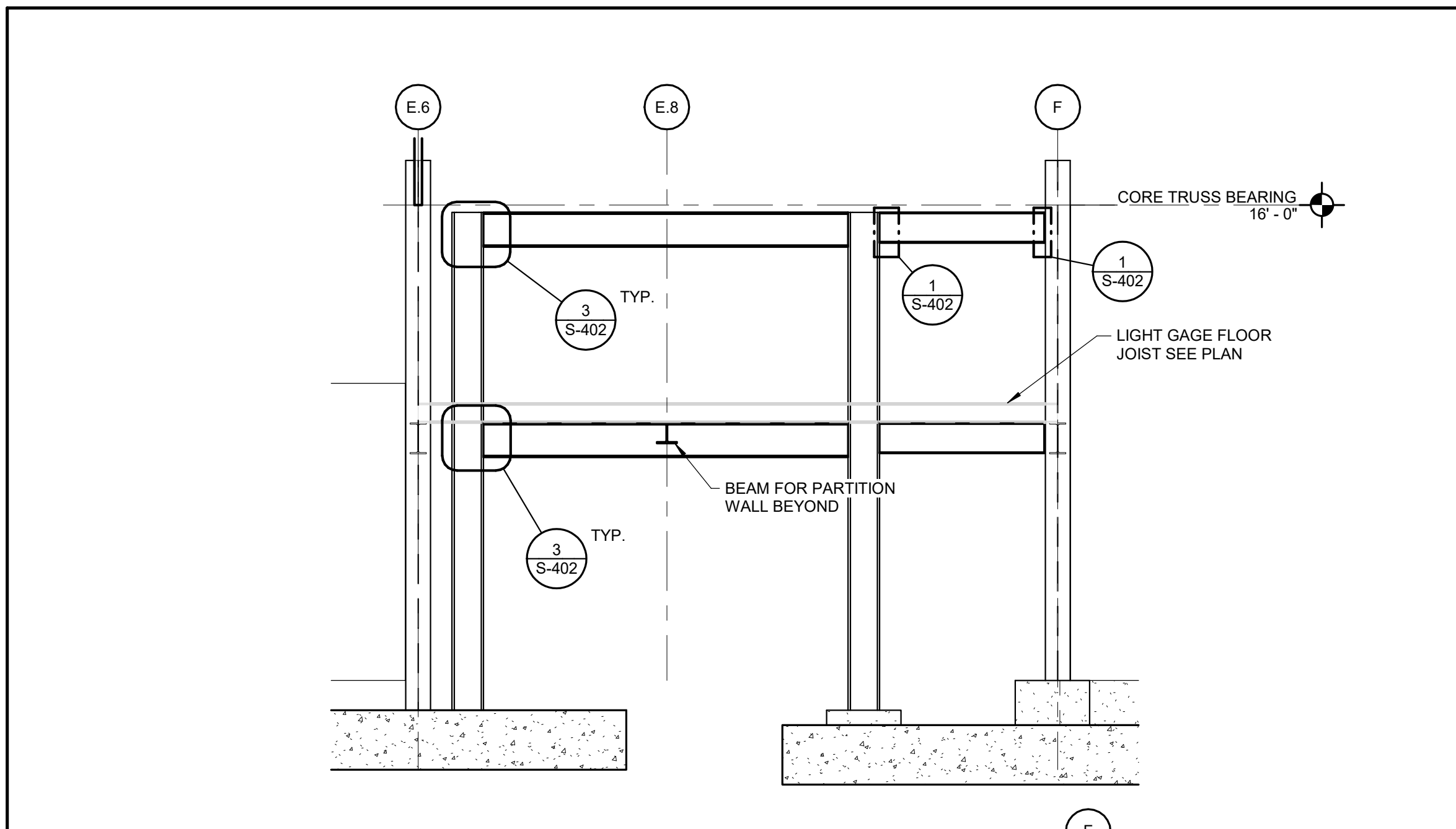
**STRUCTURAL PLANS**  
**MECH. MEZZ.**

SHEET NUMBER:

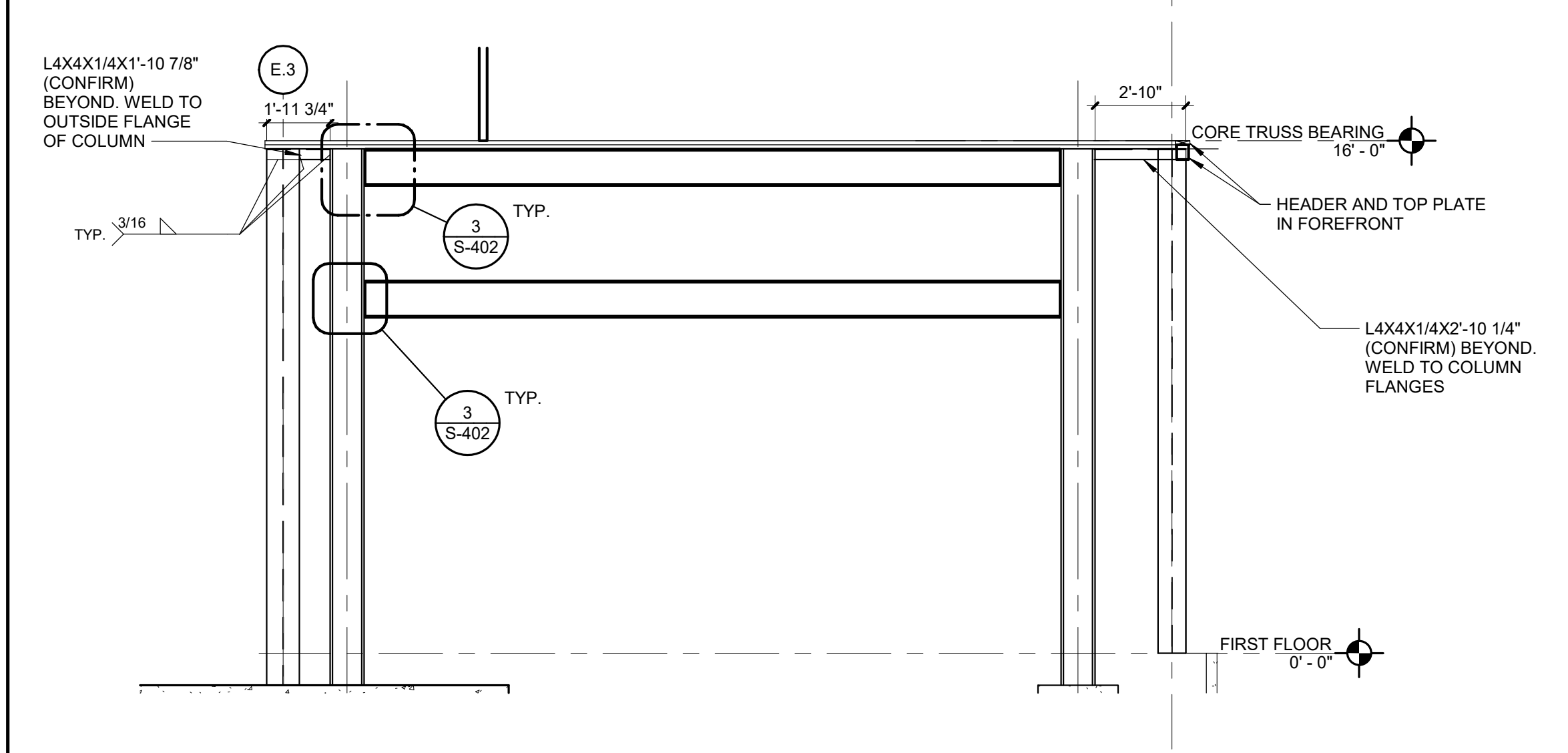
# S-205

SHEET 30 OF 197  
ISSUE DATE: 08/15/2024

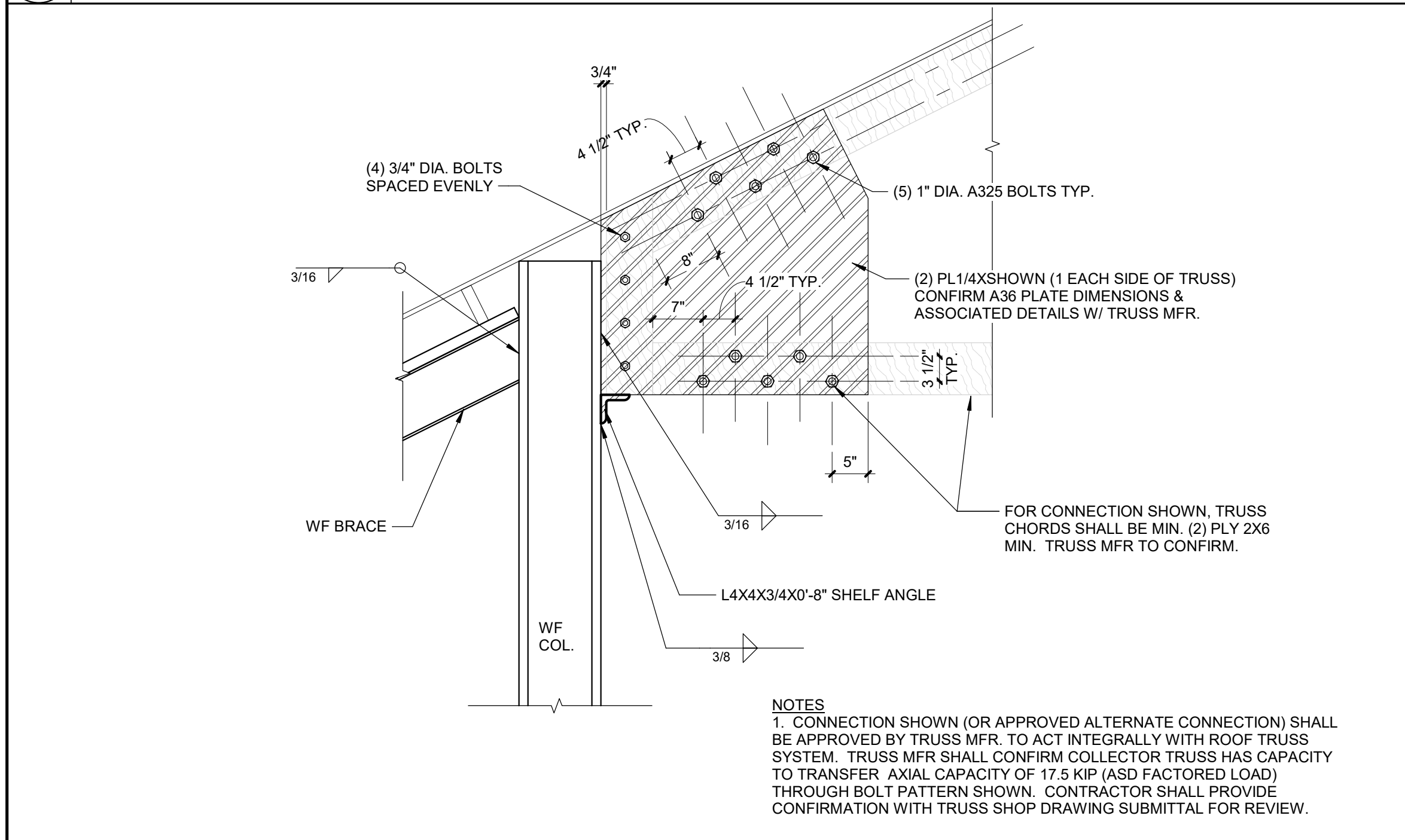




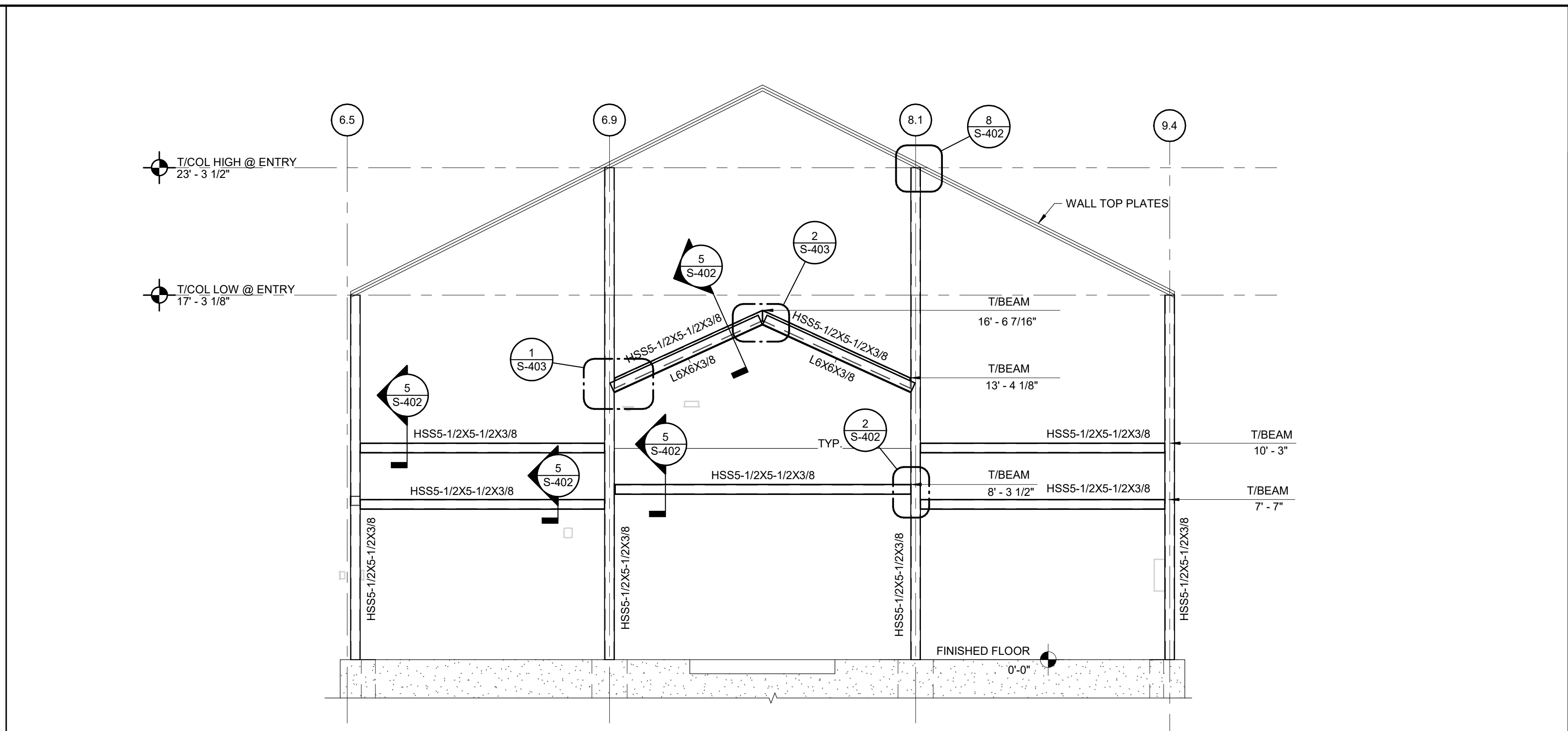
**7 BRACED FRAME ELEVATION @ LINE 9.5**  
Scale: 1/4" = 1'-0"



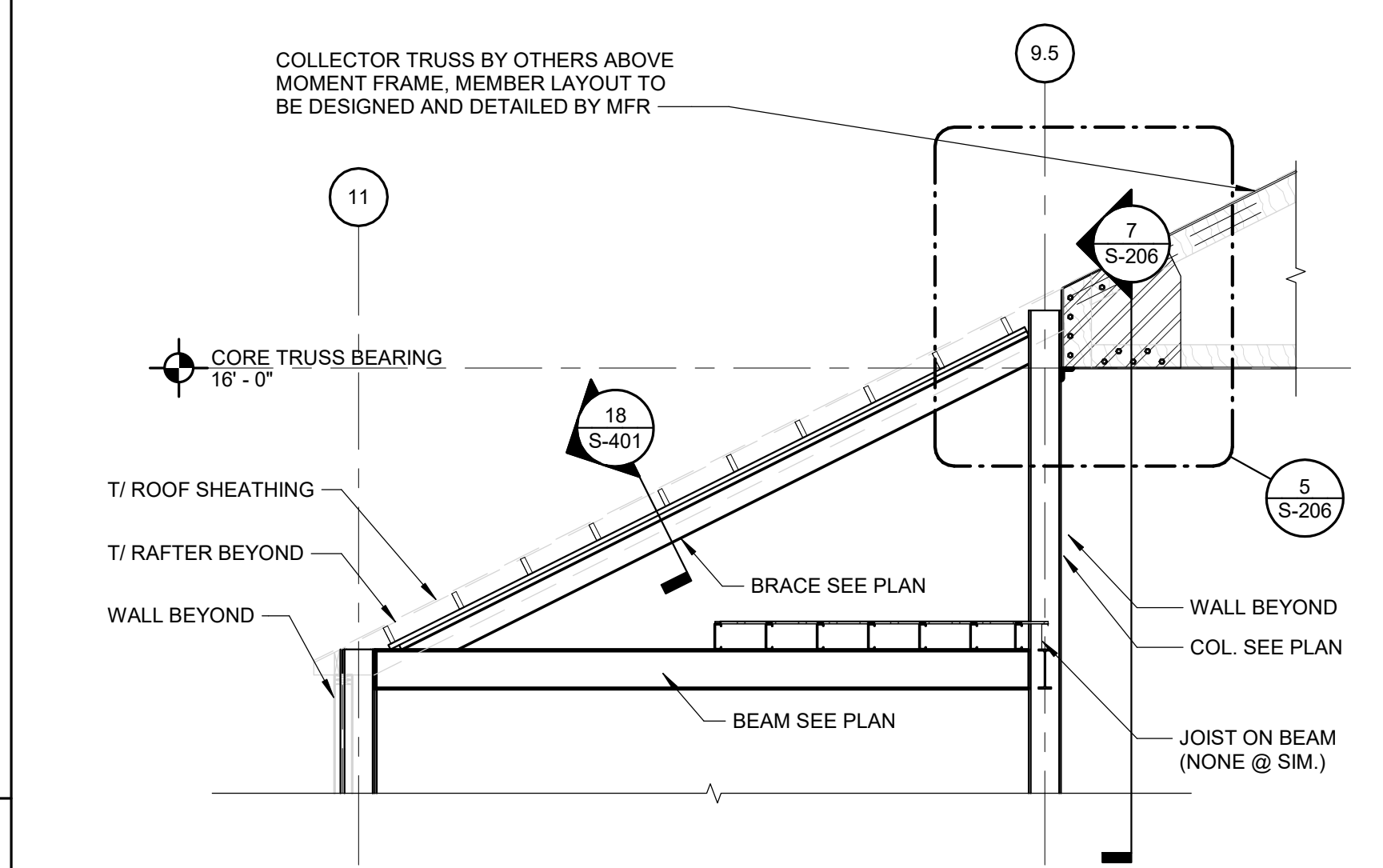
**6 BRACED FRAME ELEVATION OFFSET FROM LINE 6.5**  
Scale: 1/4" = 1'-0"



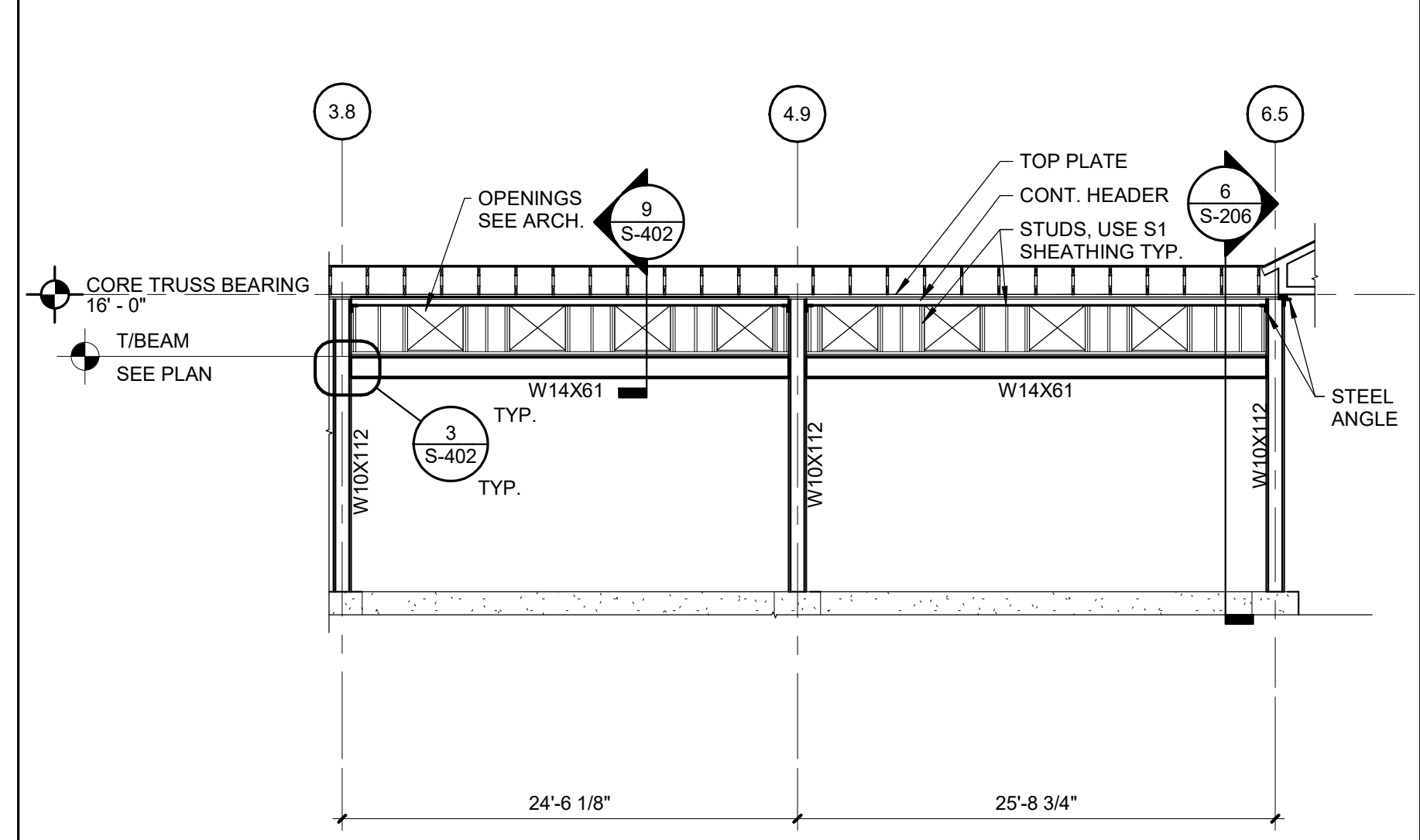
**5 TYPICAL COLLECTOR TRUSS DRAG CONN. TO WF. COL.**  
Scale: 3/4" = 1'-0"



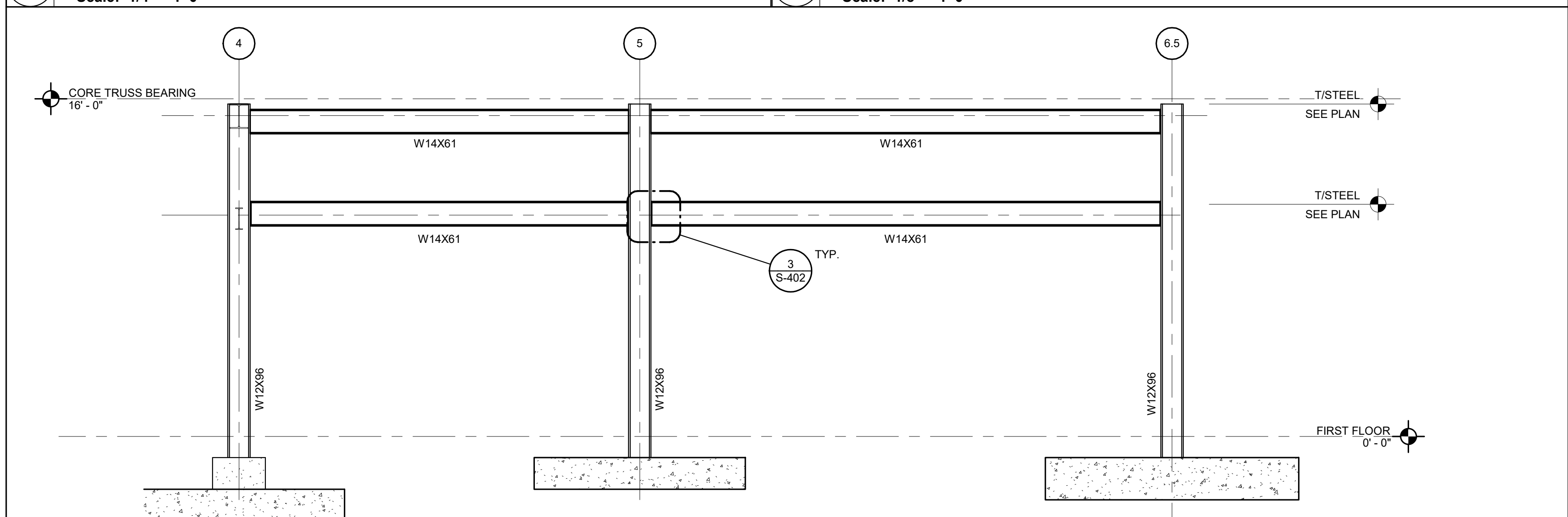
**4 ELEVATION AT ENTRY**  
Scale: 1/4" = 1'-0"



**3 SECTION @ COLLECTOR TRUSS / FRAME**  
Scale: 1/4" = 1'-0"

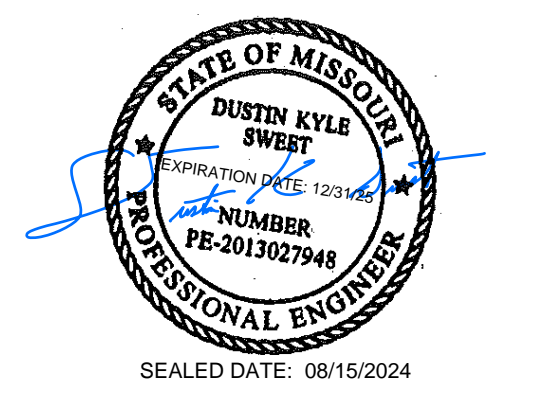


**2 MOMENT FRAME ELEVATION AT LINE F**  
Scale: 1/8" = 1'-0"



**1 BRACED FRAME ELEVATION AT LINE E.3**  
Scale: 1/4" = 1'-0"

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

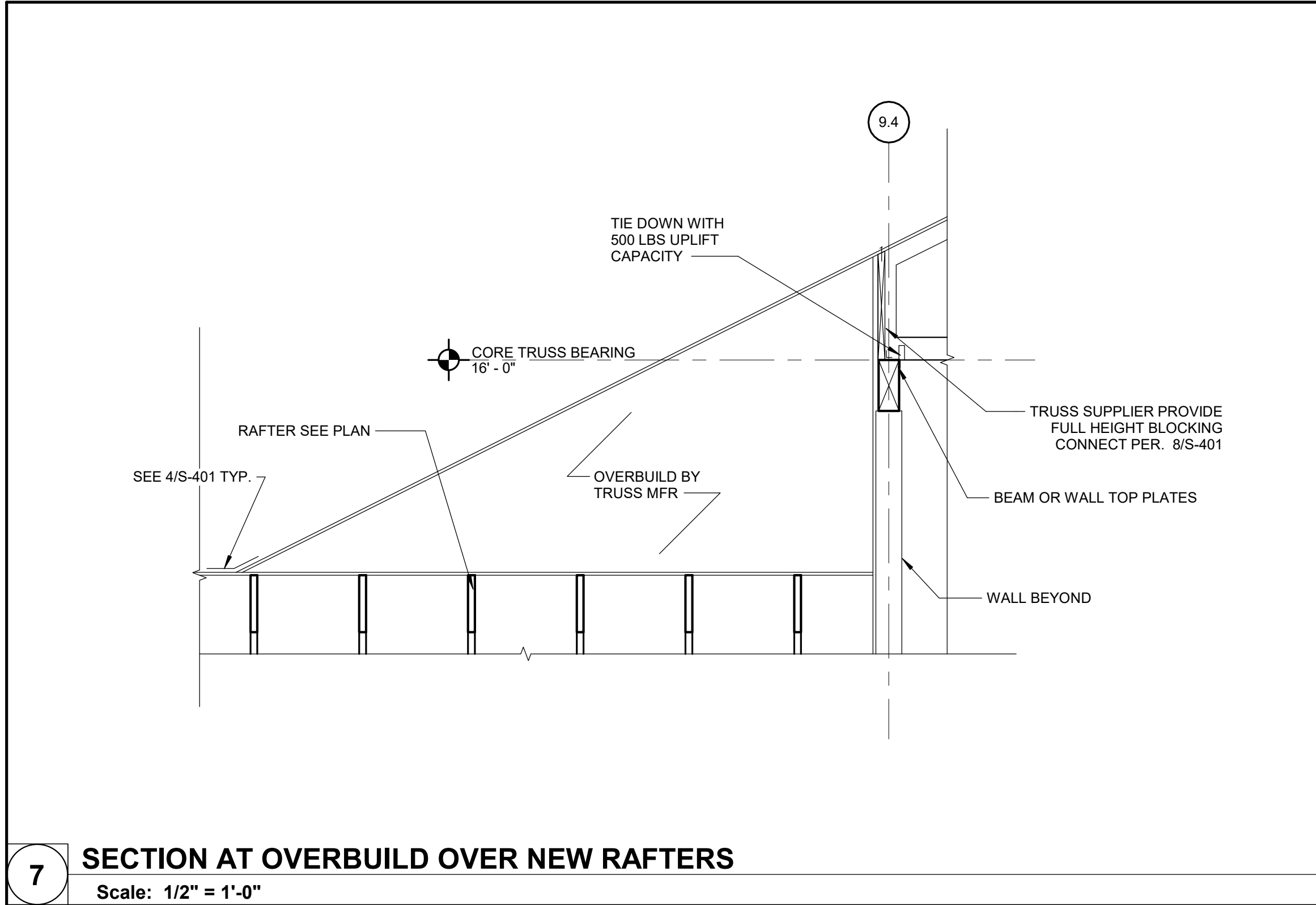
PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: AJC  
CHECKED BY: DKS  
DESIGNED BY: AMC

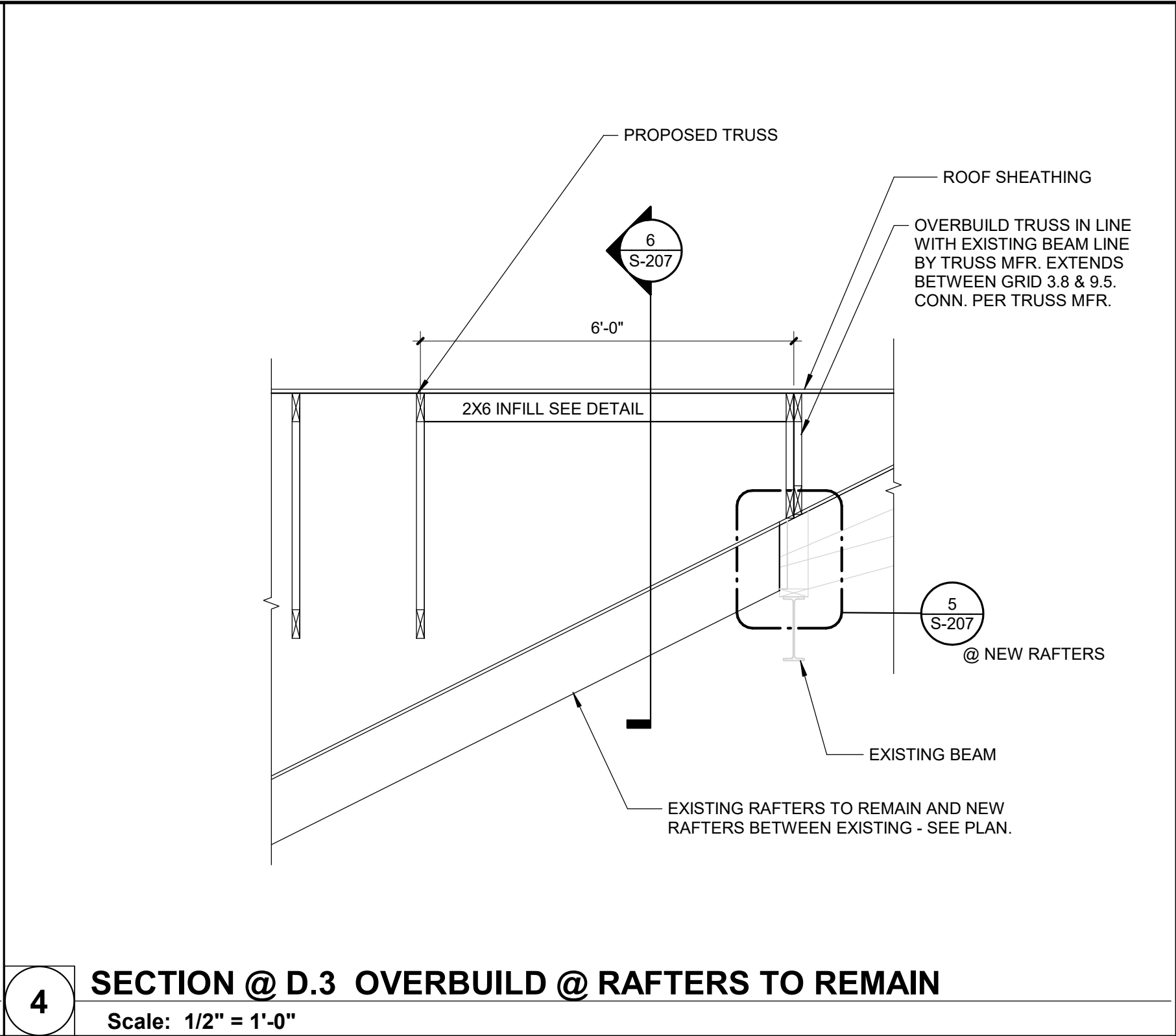
SHEET TITLE:  
**FRAMING  
ELEVATIONS**

SHEET NUMBER:  
**S-206**  
SHEET 31 OF 197  
ISSUE DATE: 08/15/2024

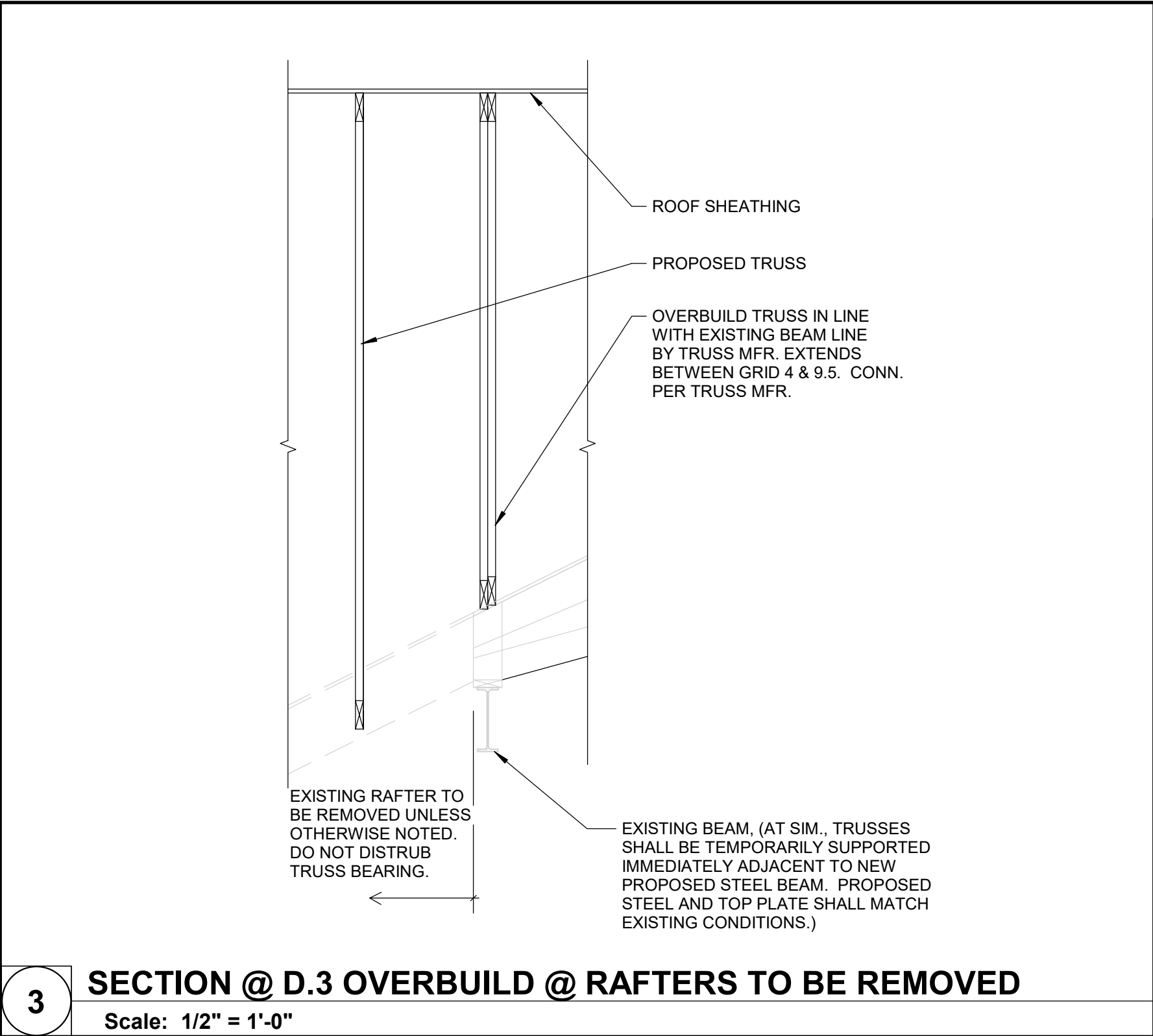




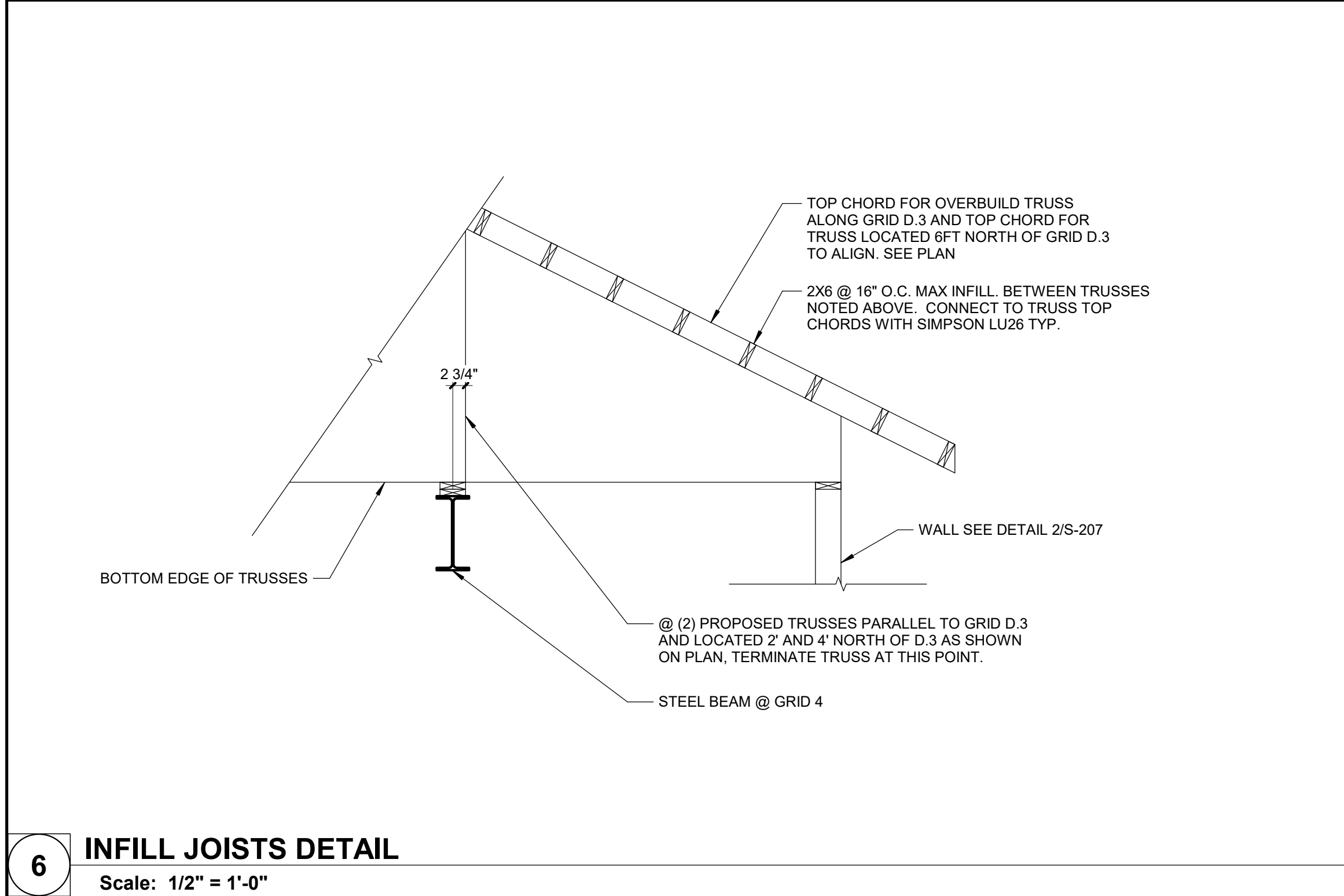
**7 SECTION AT OVERBUILD OVER NEW RAFTERS**  
Scale: 1/2" = 1'-0"



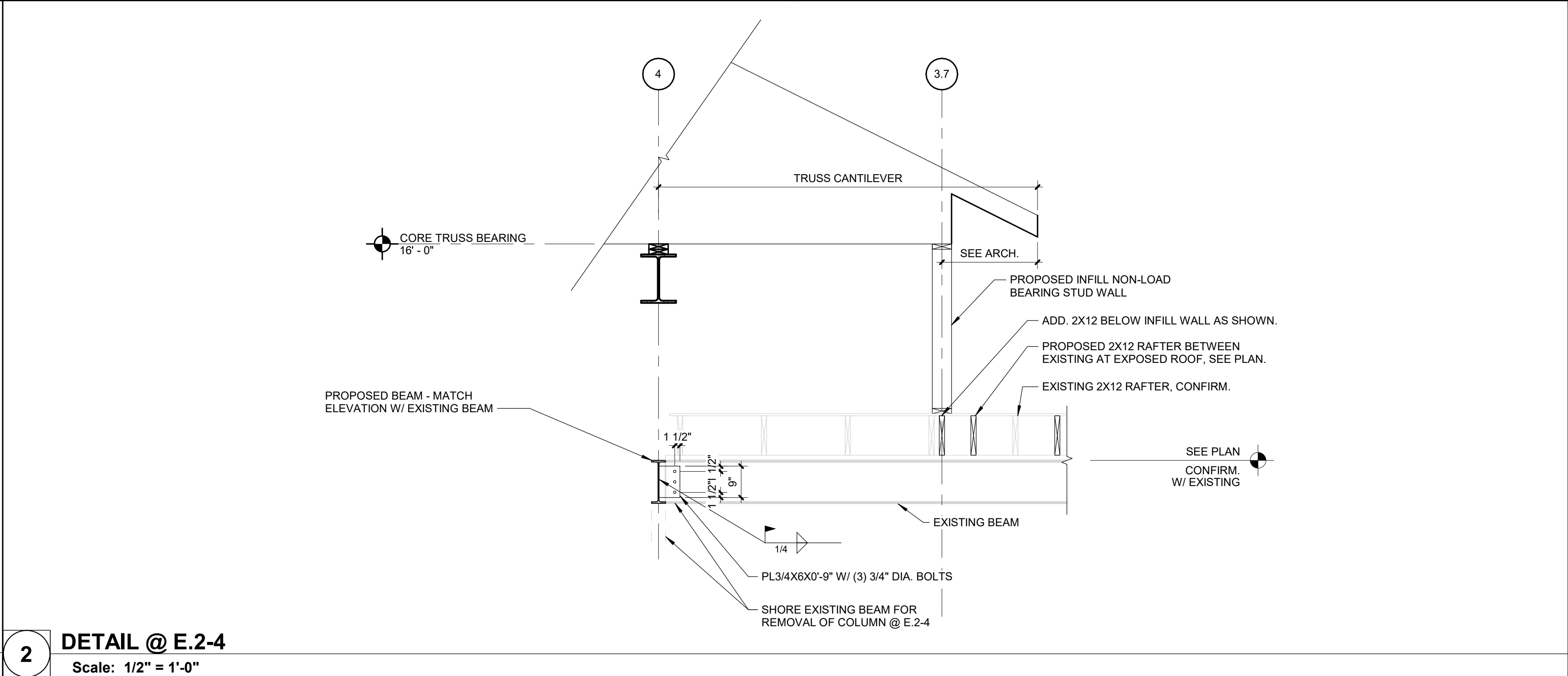
**4 SECTION @ D.3 OVERBUILD @ RAFTERS TO REMAIN**  
Scale: 1/2" = 1'-0"



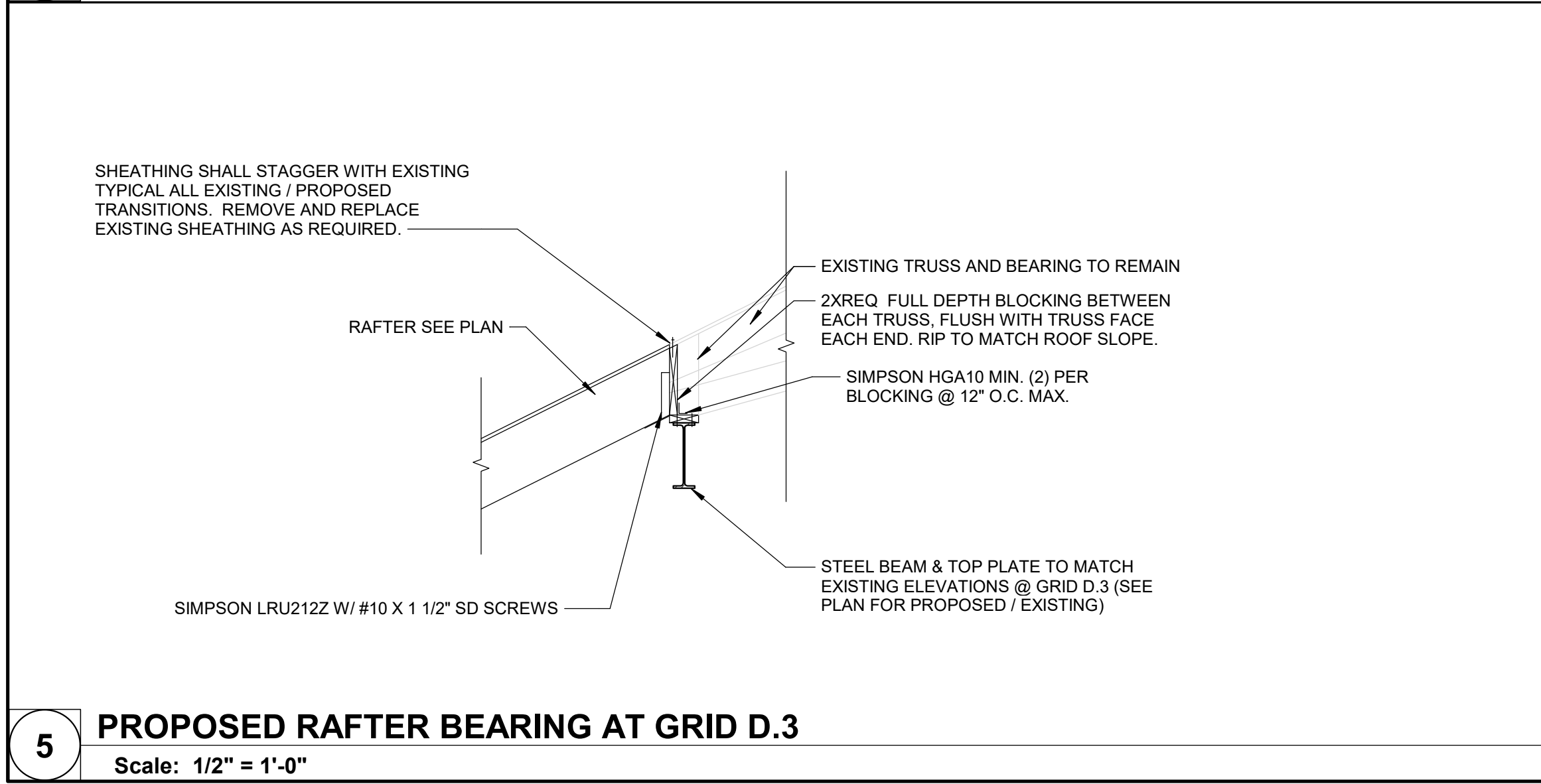
**3 SECTION @ D.3 OVERBUILD @ RAFTERS TO BE REMOVED**  
Scale: 1/2" = 1'-0"



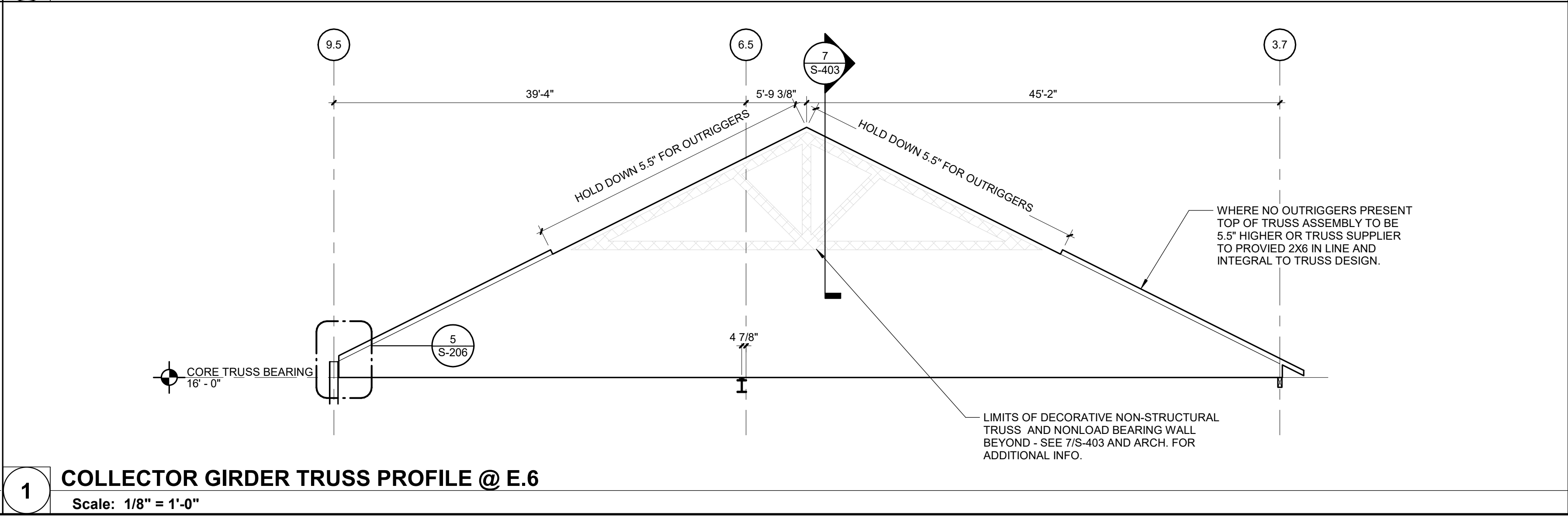
**6 INFILL JOISTS DETAIL**  
Scale: 1/2" = 1'-0"



**2 DETAIL @ E.2-4**  
Scale: 1/2" = 1'-0"

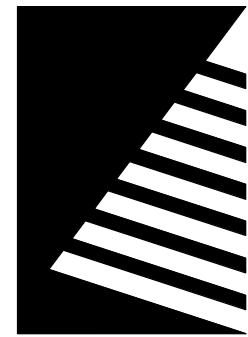
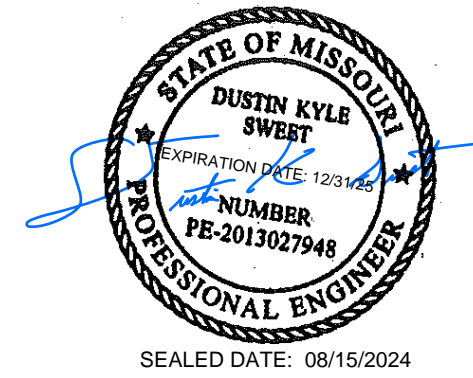


**5 PROPOSED RAFTER BEARING AT GRID D.3**  
Scale: 1/2" = 1'-0"



**1 COLLECTOR GIRDER TRUSS PROFILE @ E.6**  
Scale: 1/8" = 1'-0"

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
www.f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: Author  
CHECKED BY: Approver  
DESIGNED BY: Designer

SHEET TITLE:

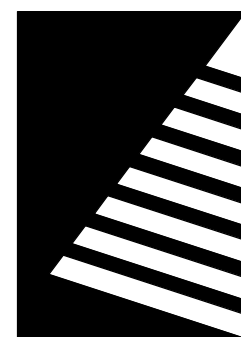
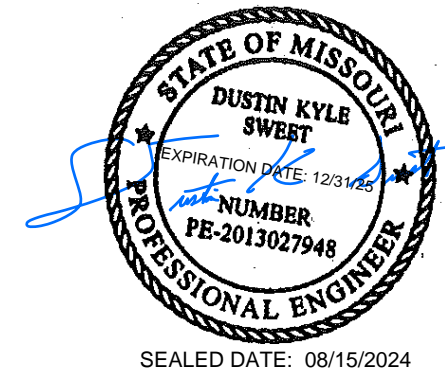
**FRAMING  
ELEVATIONS**

SHEET NUMBER:

**S-207**

SHEET 32 OF 197  
ISSUE DATE: 08/15/2024





## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: FGI  
CHECKED BY: DKS  
DESIGNED BY: FGI

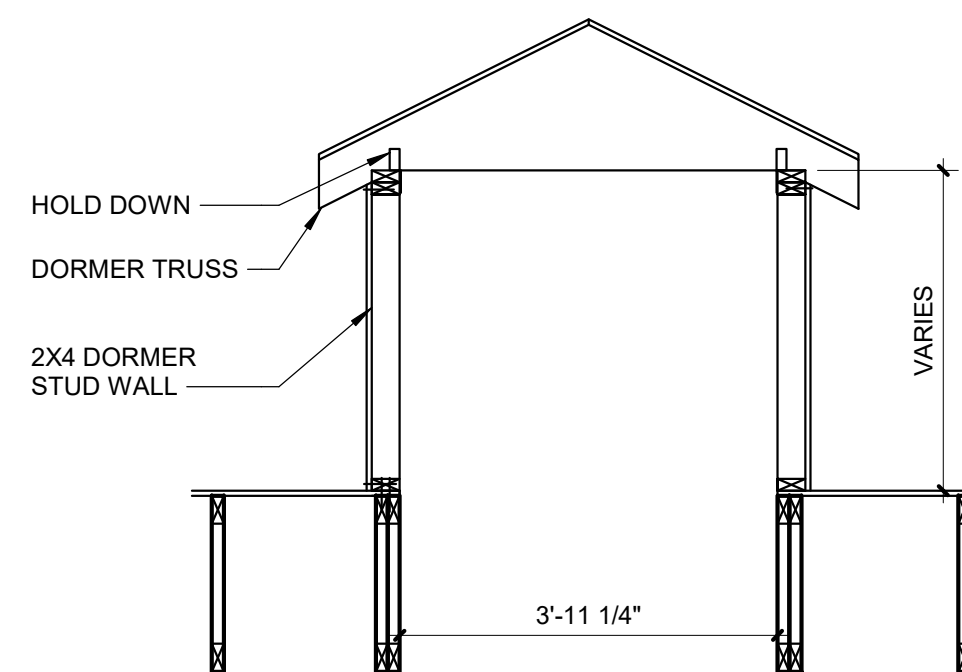
SHEET TITLE:

## FRAMING ELEVATIONS

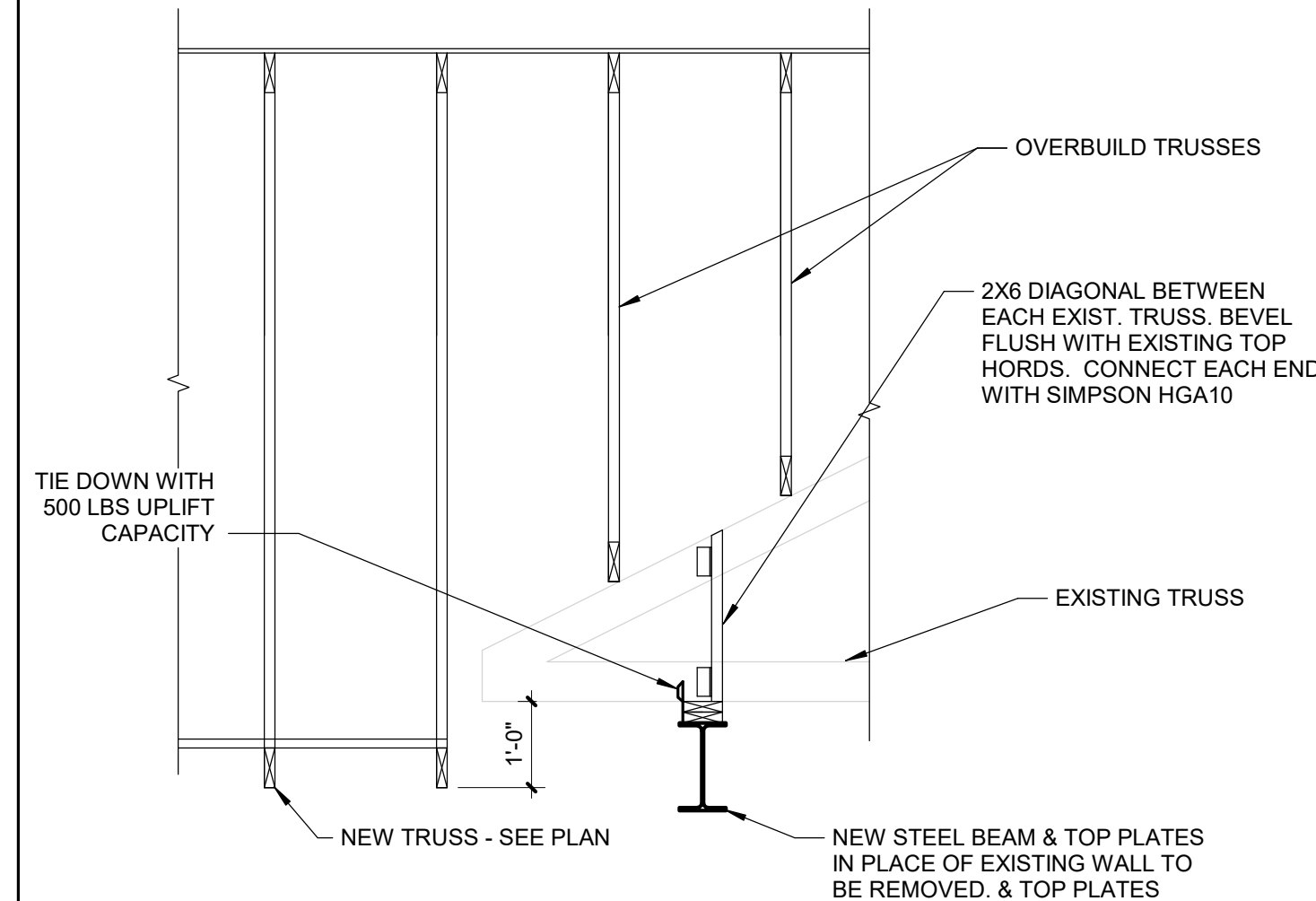
SHEET NUMBER:

# S-208

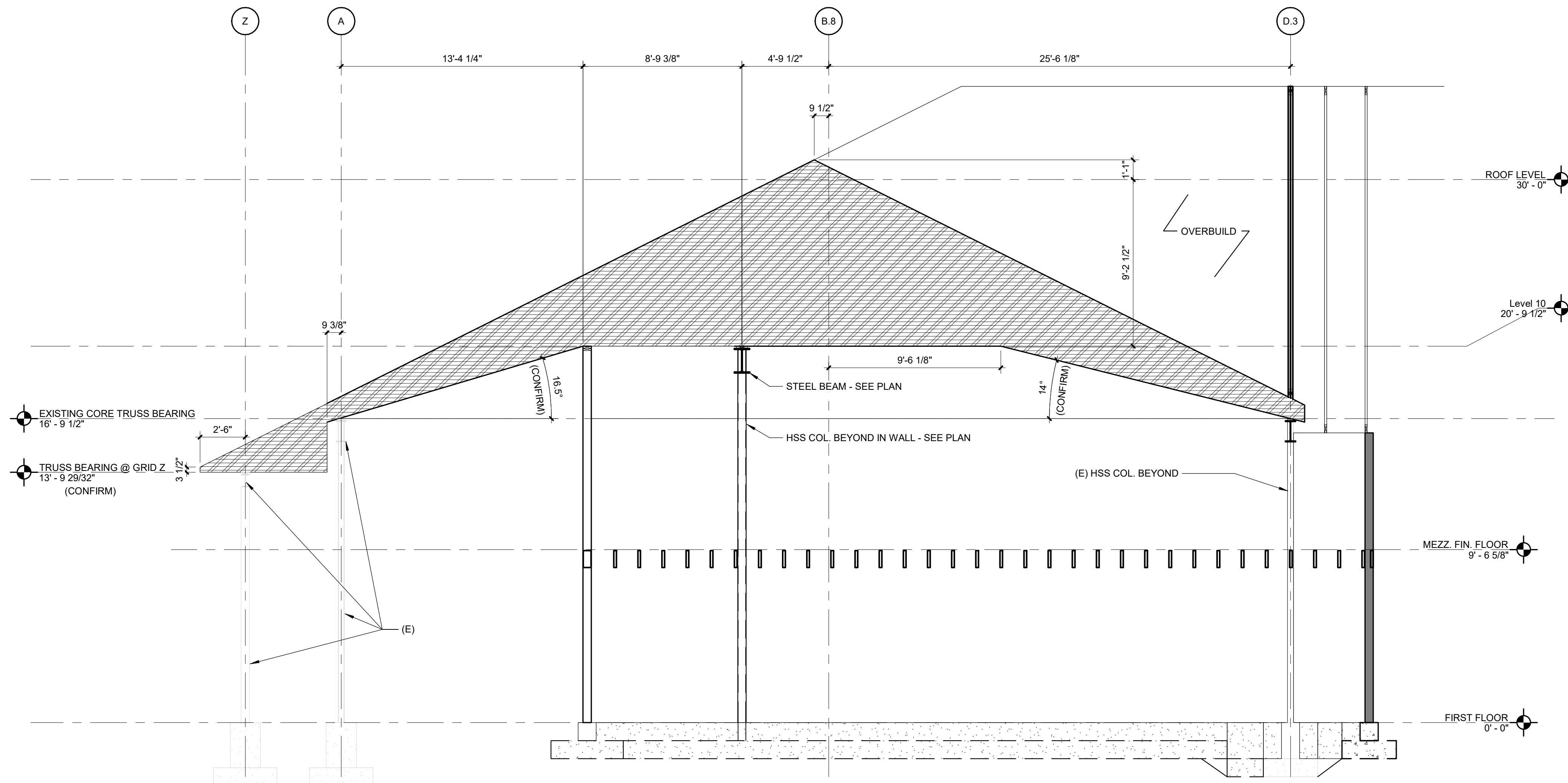
SHEET 33 OF 197  
ISSUE DATE: 08/15/2024



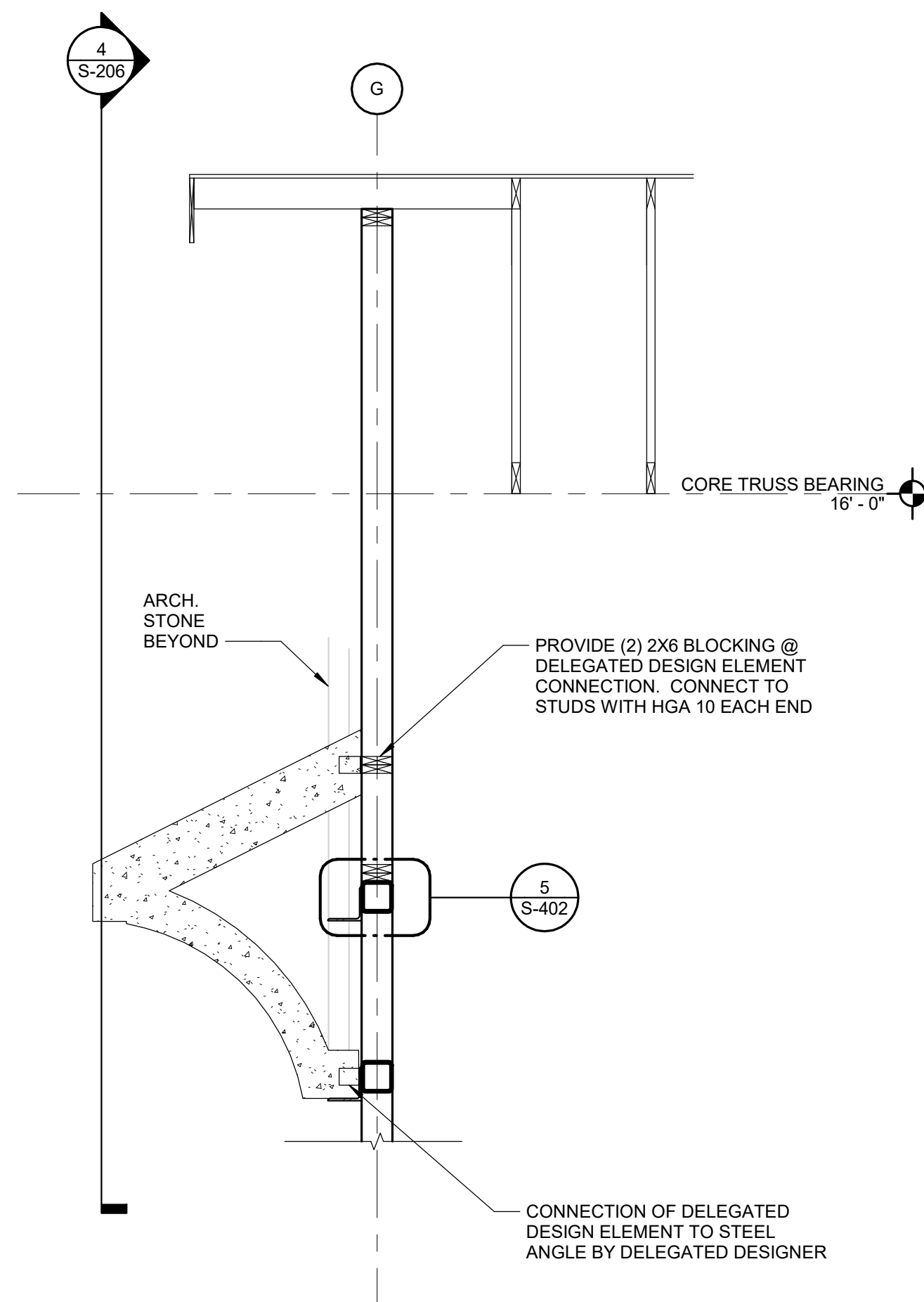
**4 DORMER FRAMING**  
Scale: 1/2" = 1'-0"



**2 EXISTING TRUSS BEARING ON PROP. STEEL**  
Scale: 1/2" = 1'-0"

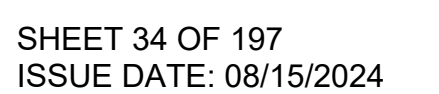


**3 REPLACEMENT TRUSS PROFILE**  
Scale: 1/4" = 1'-0"



**1 SECTION**  
Scale: 1/2" = 1'-0"



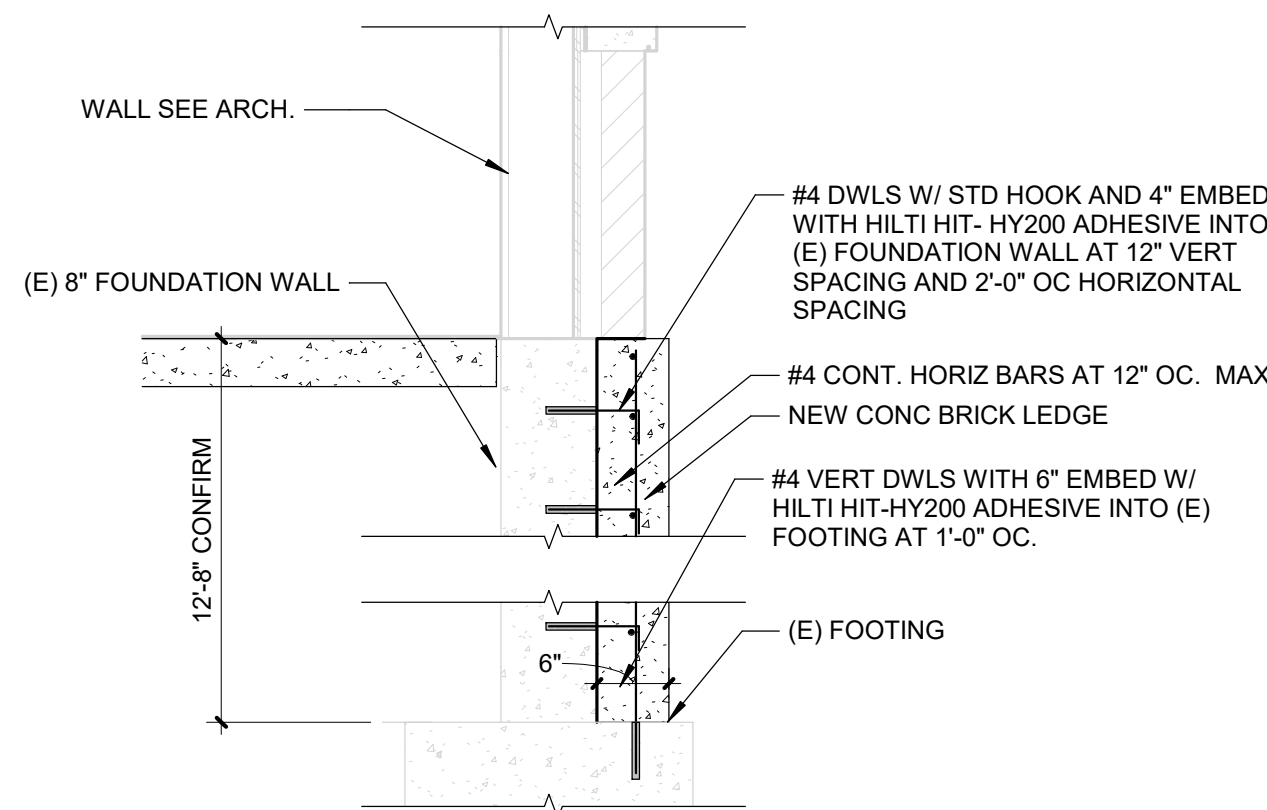




8/15/2024 8:40:34 AM

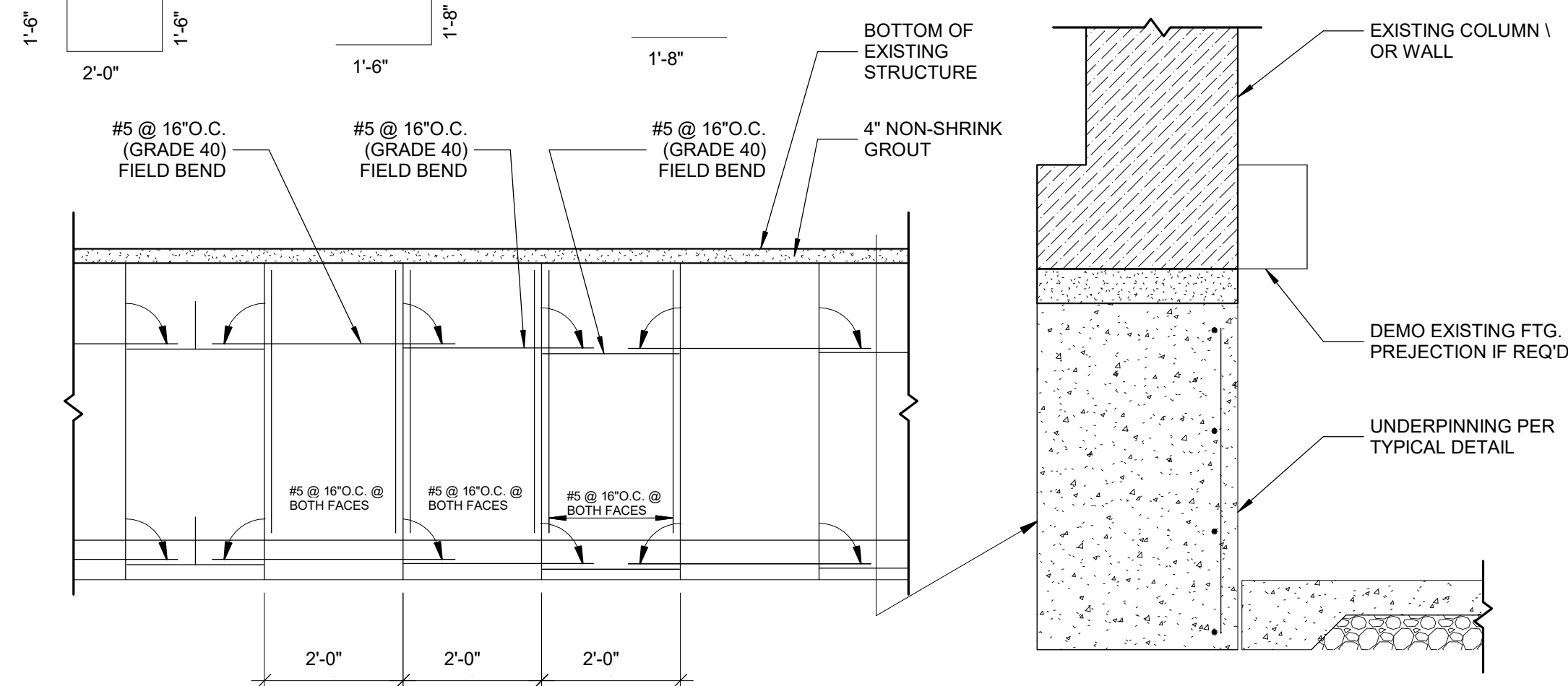
# 10 BRICK LEDGE ADDITION TO (E) FOUNDATION

Scale: 3/4" = 1'-0"



# 5 TYPICAL UNDERPINNING DETAIL

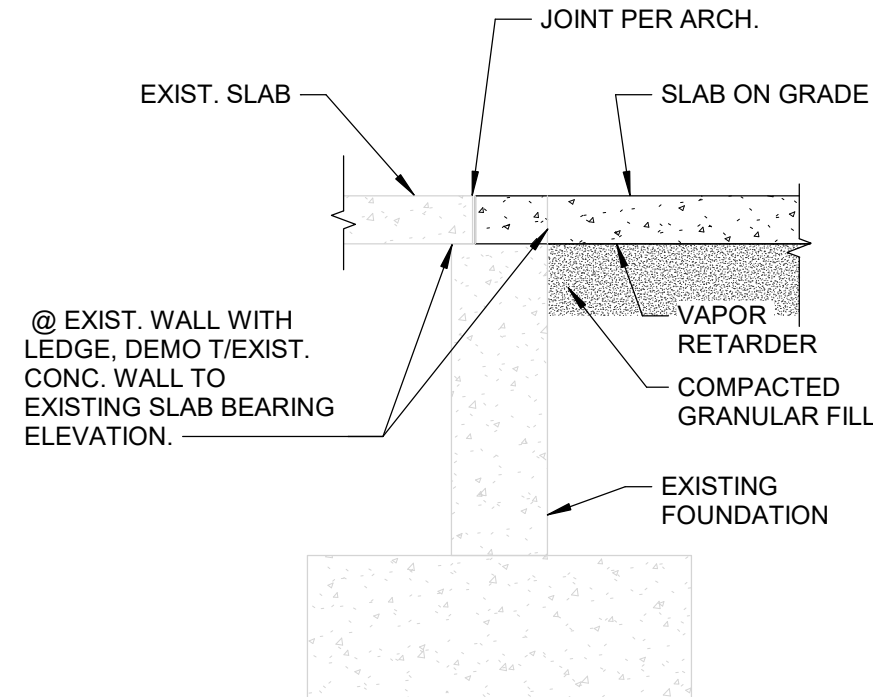
Scale: 3/4" = 1'-0"



UNDERPINNING NOTES:  
ALL UNDERPINNING TO BE CONSTRUCTED IN 2'-0\"/>

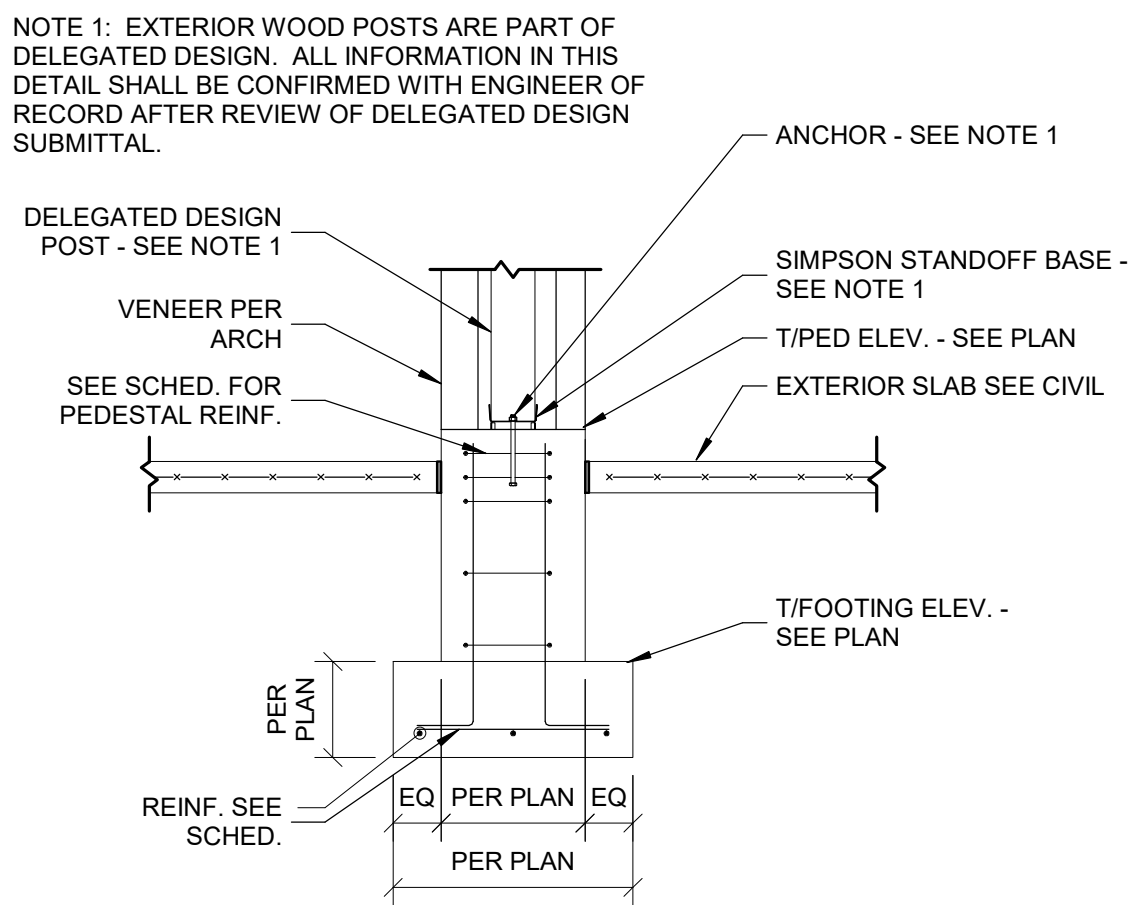
# 9 SLAB AT EXISTING

Scale: 3/4" = 1'-0"



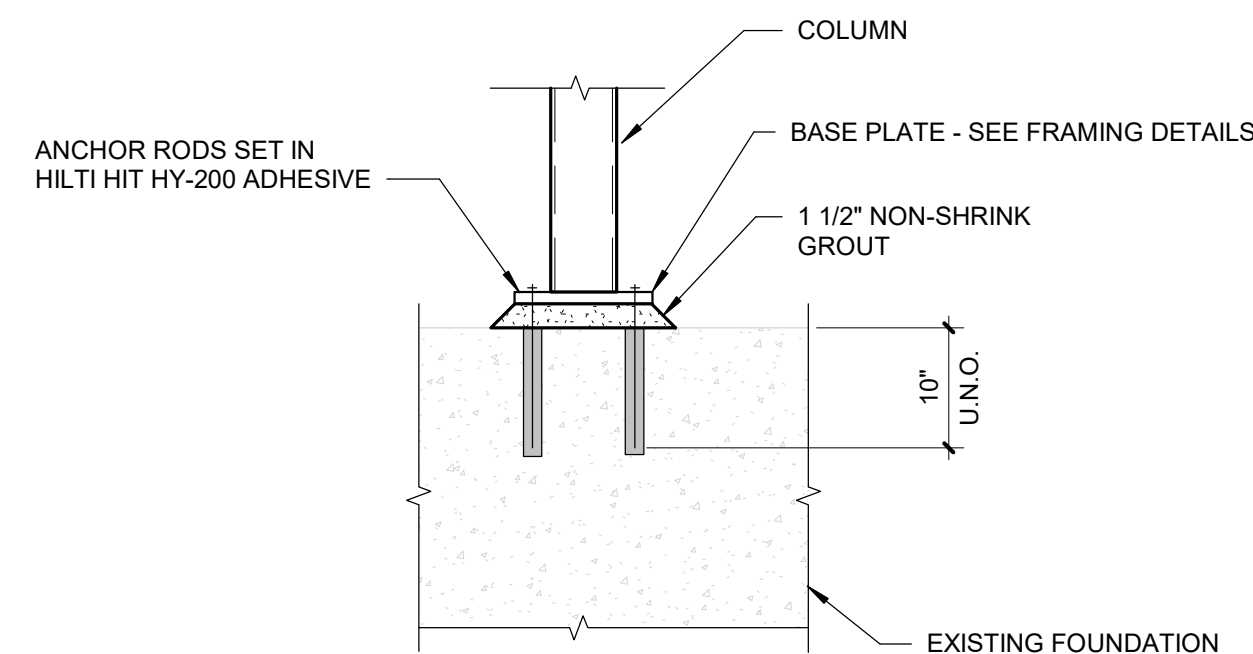
# 8 WOOD POST BASE @ EXTERIOR PEDESTAL

Scale: 1/2" = 1'-0"



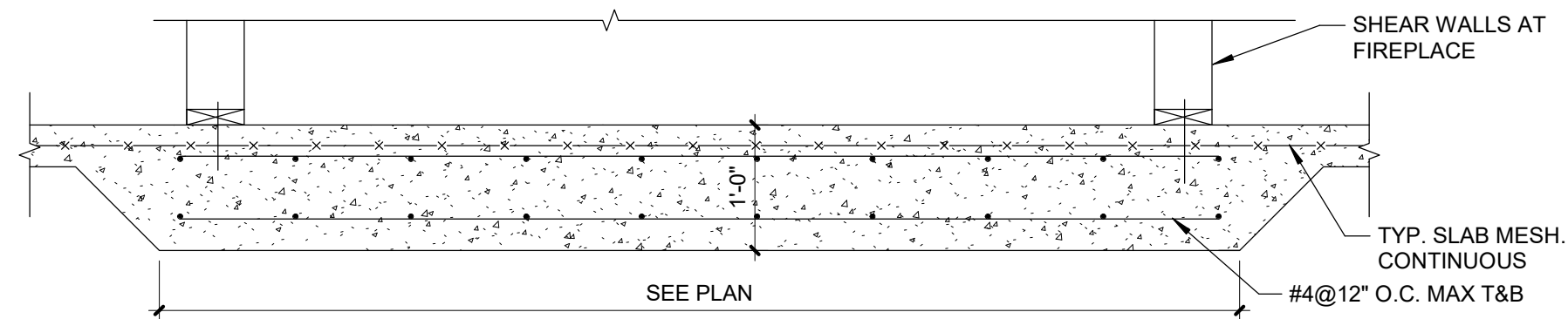
# 4 COLUMN BASE DETAIL AT EXISTING FOUNDATION

Scale: 3/4" = 1'-0"



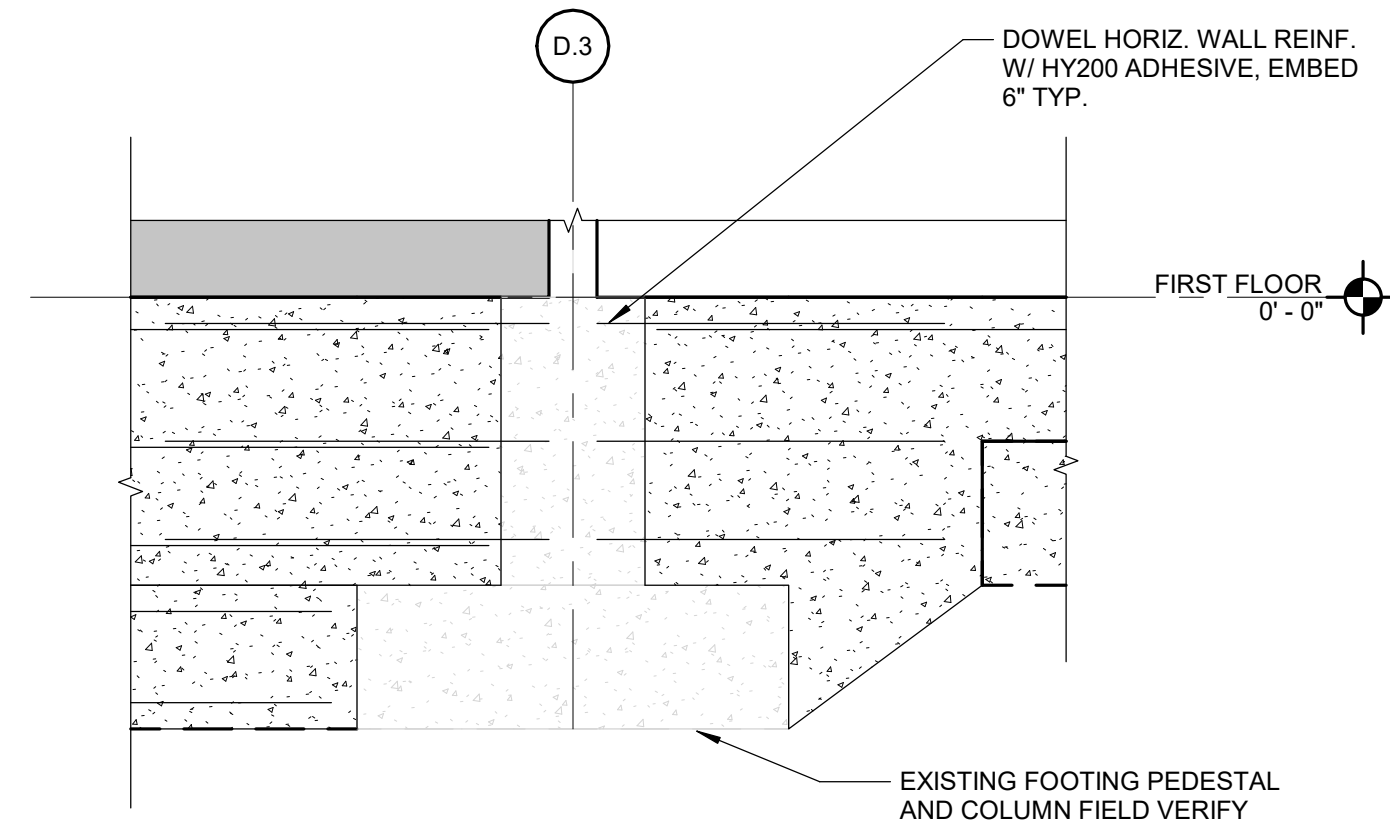
# 7 THICKENED SLAB @ FIREPLACE

Scale: 3/4" = 1'-0"



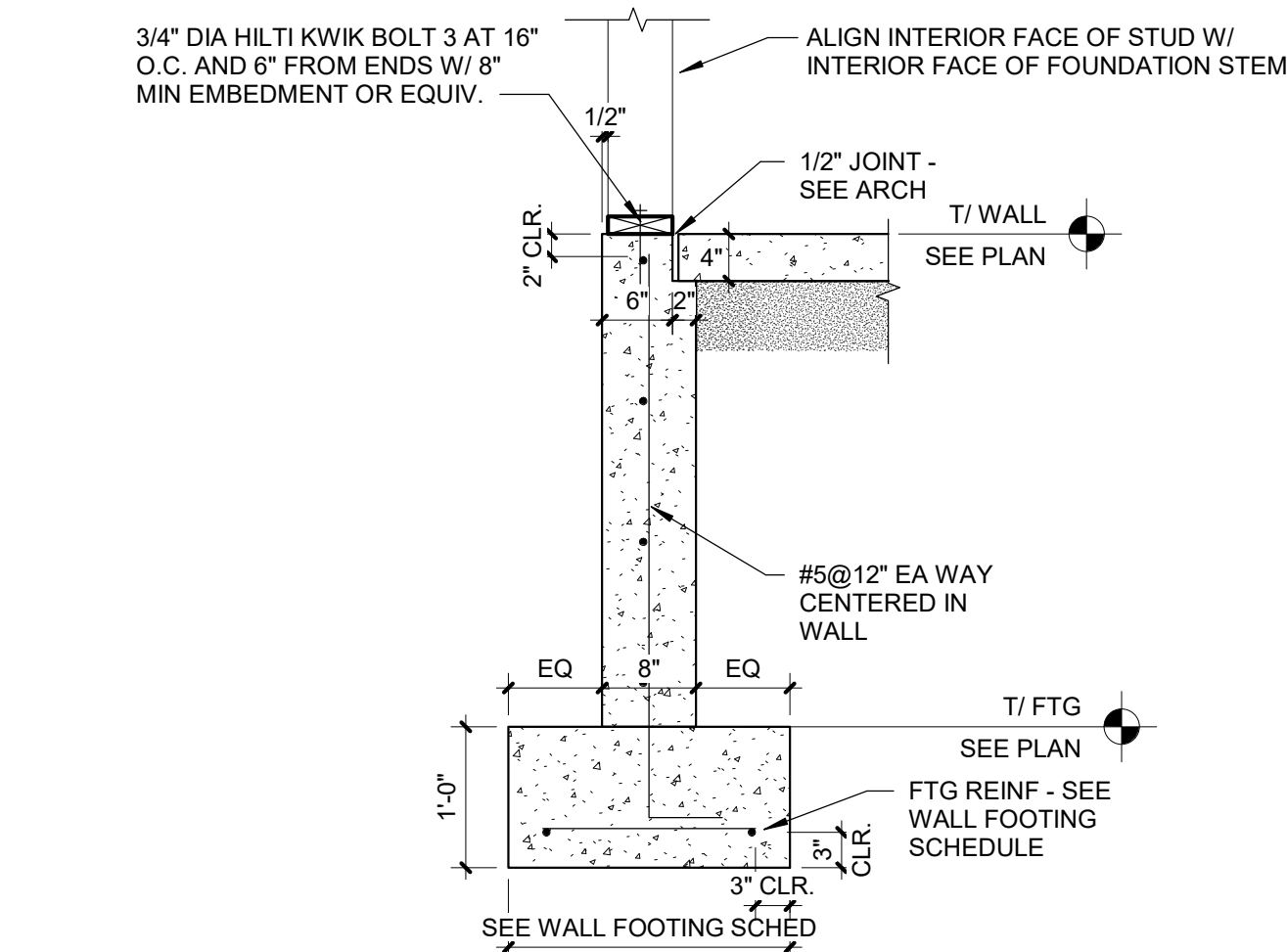
# 6 FOUNDATION SECTION @ EXIST.

Scale: 3/4" = 1'-0"



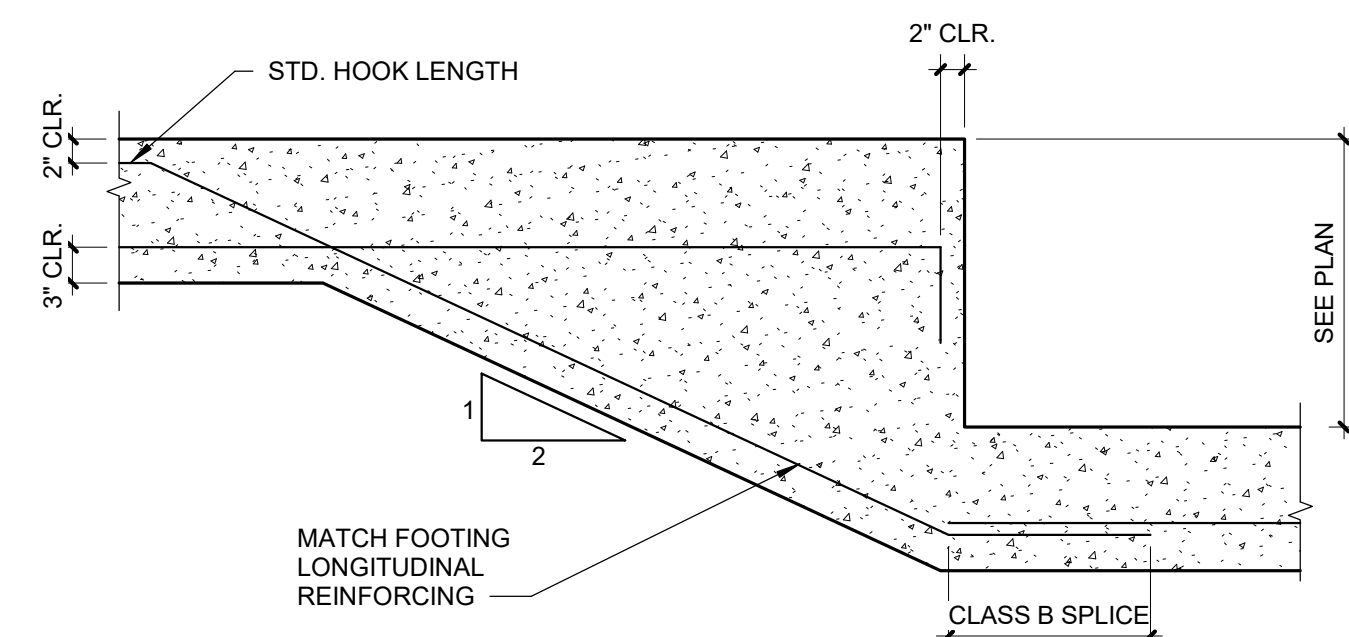
# 3 FOUNDATION SECTION AT NO BRICK

Scale: 3/4" = 1'-0"



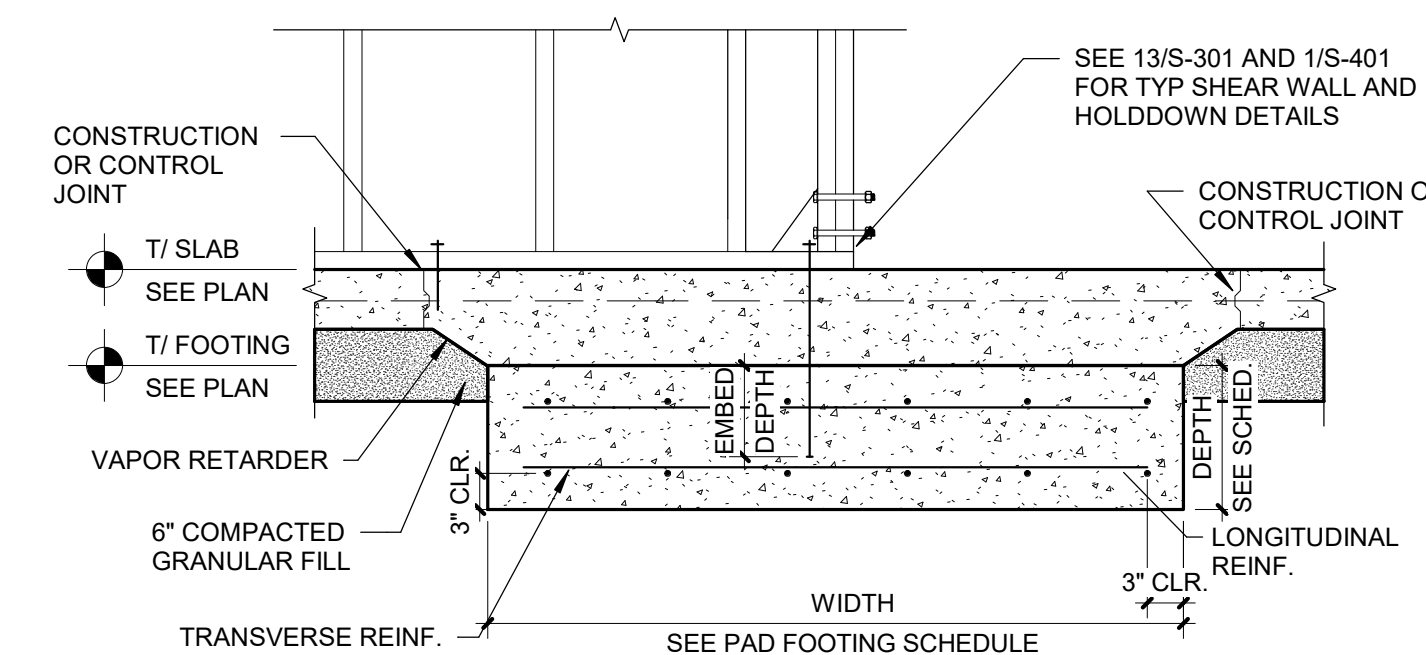
# 2 STEP FOOTING - SINGLE

Scale: 3/4" = 1'-0"

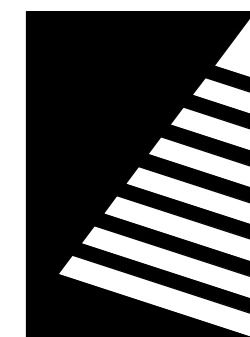
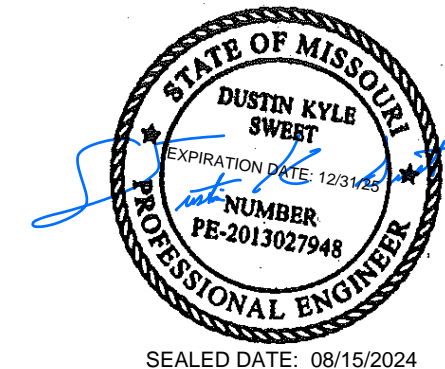


# 1 TYPICAL PAD FOOTING AT INT HOLDDOWN

Scale: 3/4" = 1'-0"



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAH#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AJC  
CHECKED BY: DKS  
DESIGNED BY: AMC

SHEET TITLE:

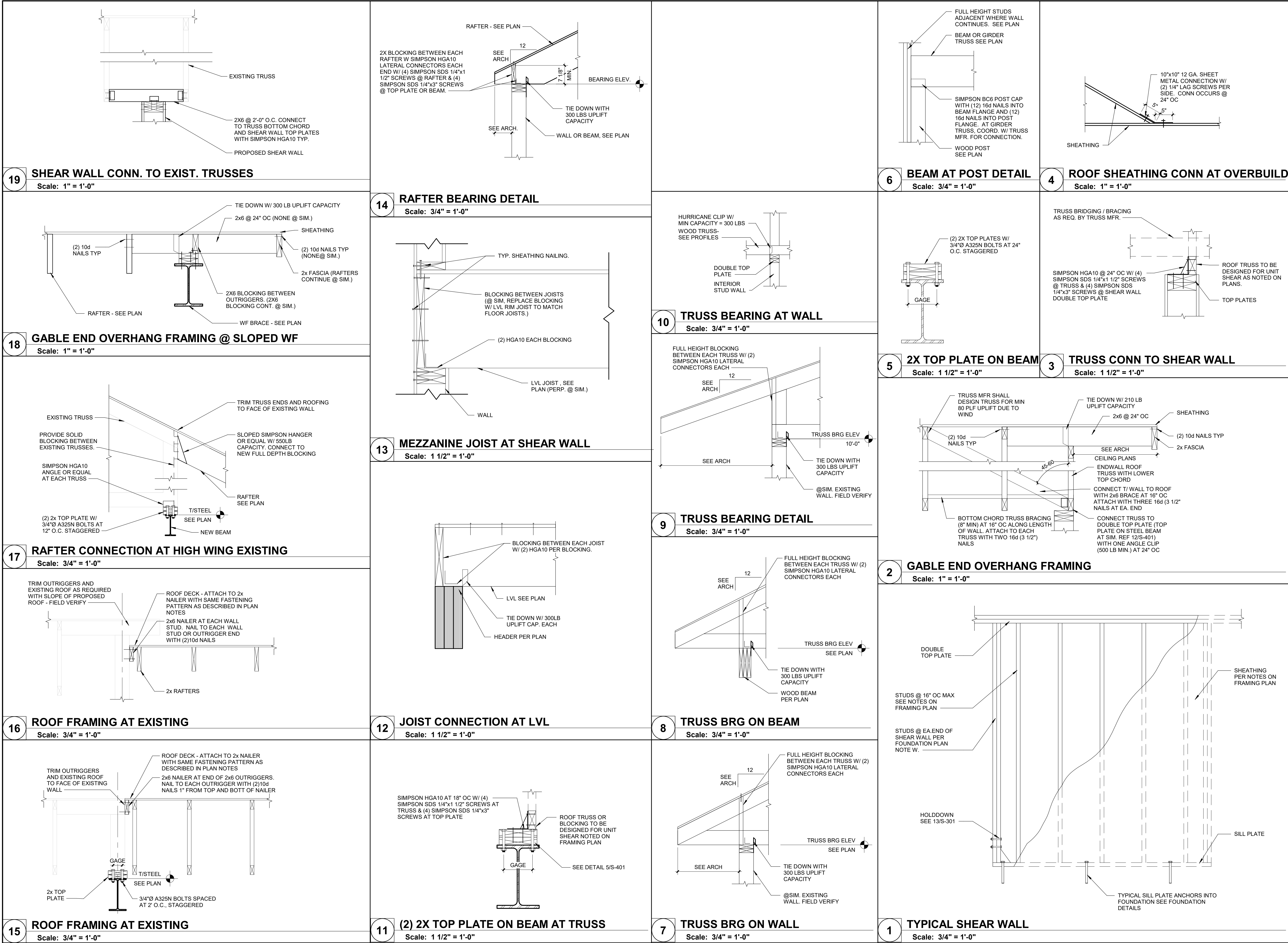
**FOUNDATION  
DETAILS**

SHEET NUMBER:

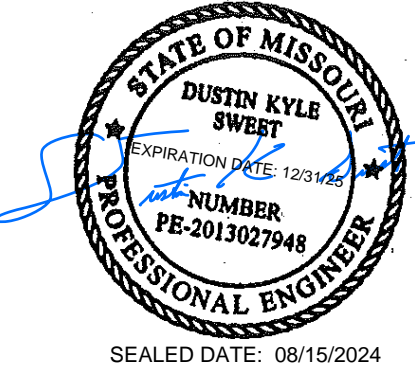
**S-302**

SHEET 35 OF 197  
ISSUE DATE: 08/15/2024





STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: AJC  
CHECKED BY: DKS  
DESIGNED BY: AMC

SHEET TITLE:  
**FRAMING DETAILS**

SHEET NUMBER:

**S-401**

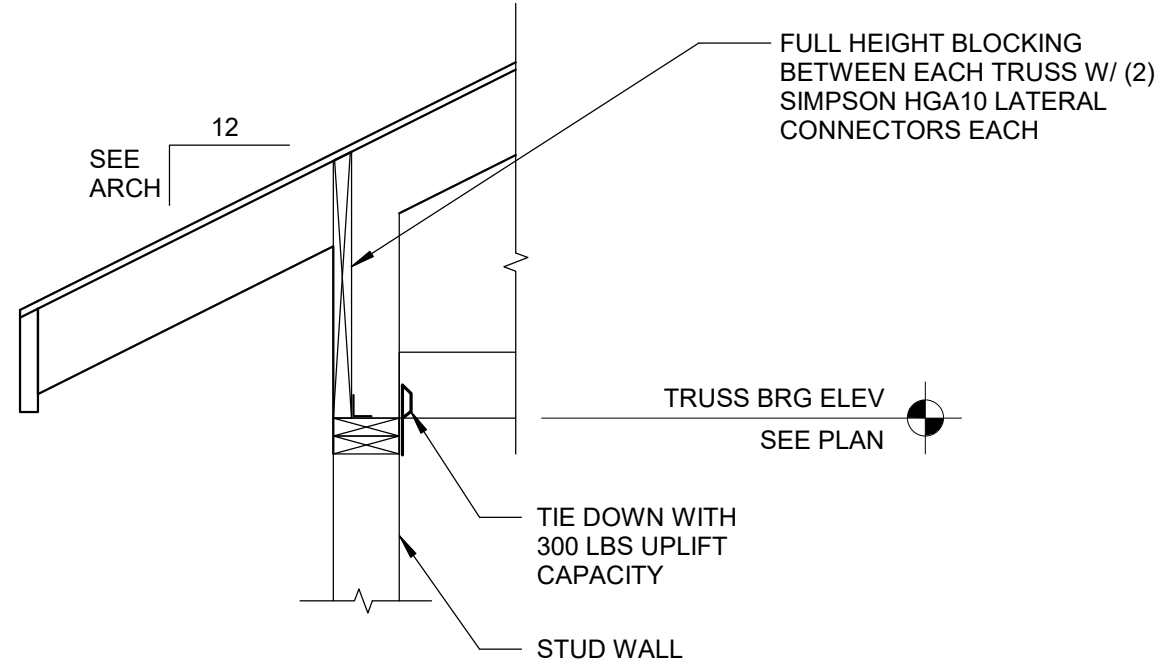
SHEET 36 OF 197  
ISSUE DATE: 08/15/2024



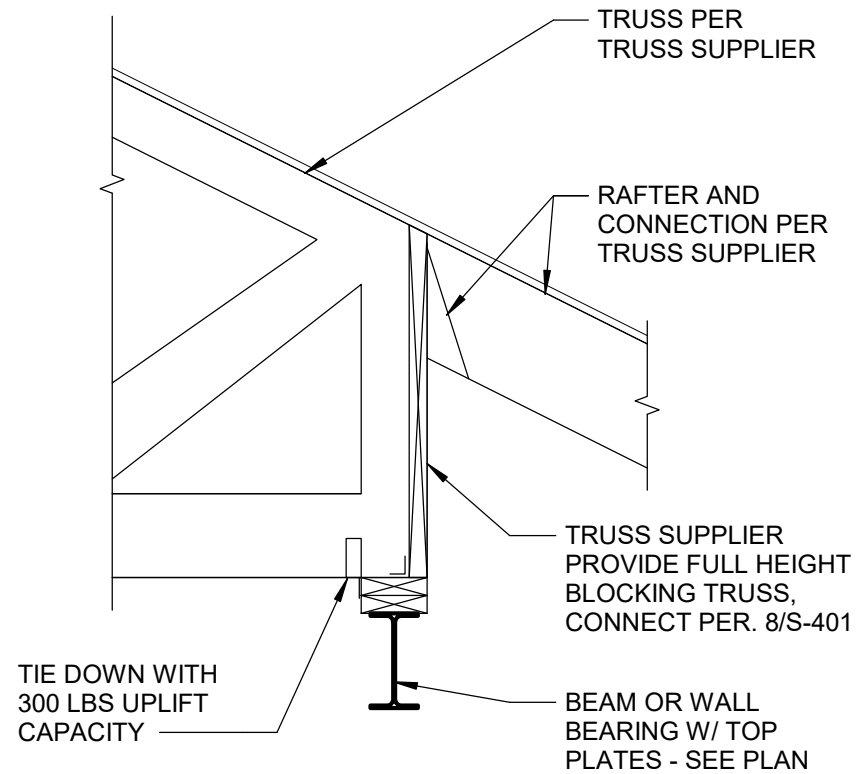




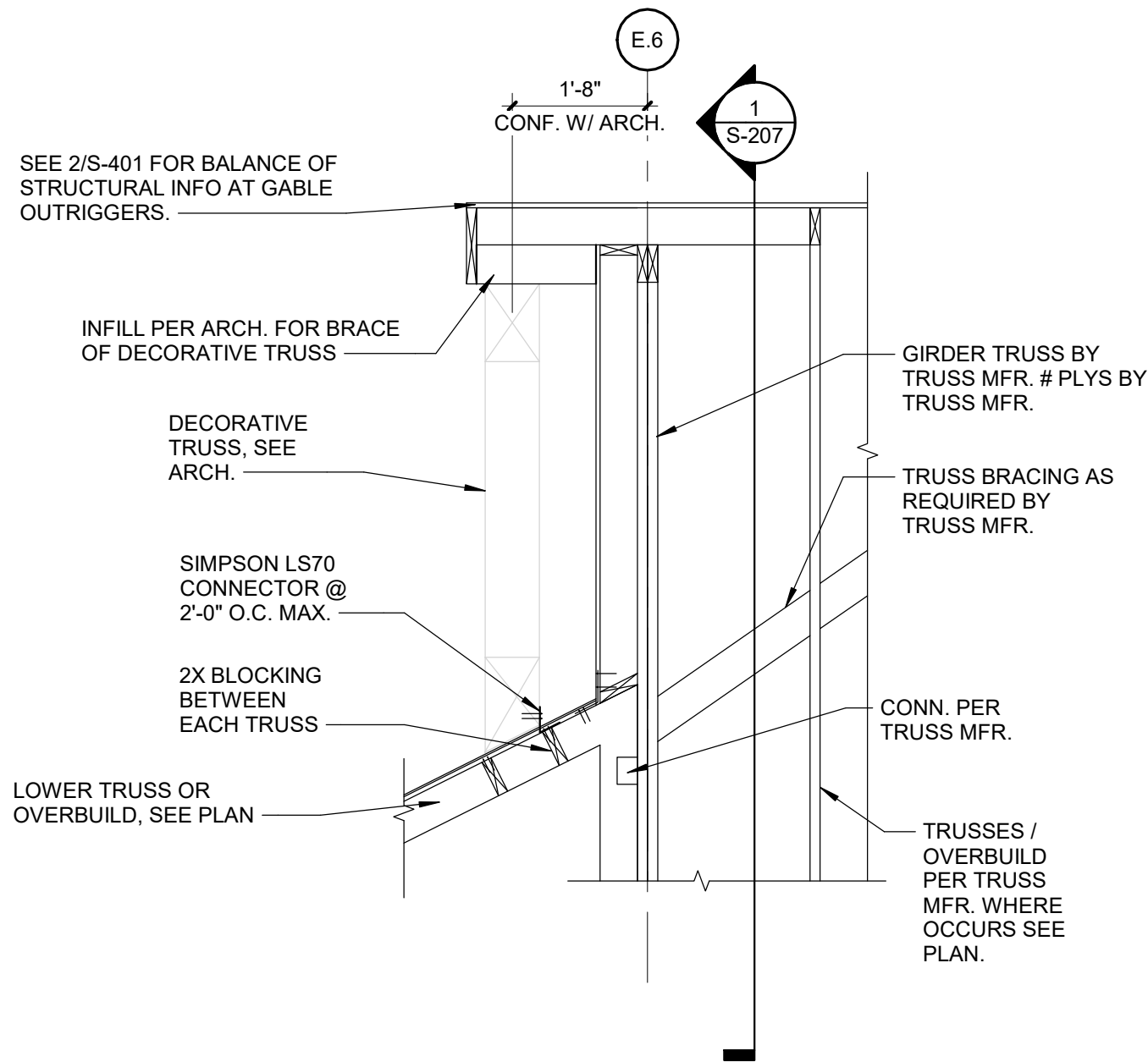
8/15/2024 8:42:30 AM



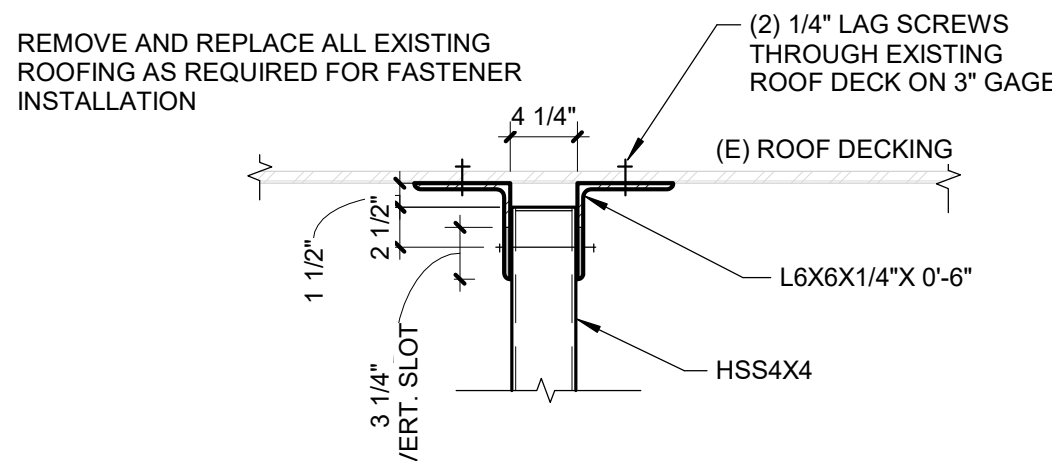
9 TRUSS BRG ON WALL @ GRID 3.7  
Scale: 3/4" = 1'-0"



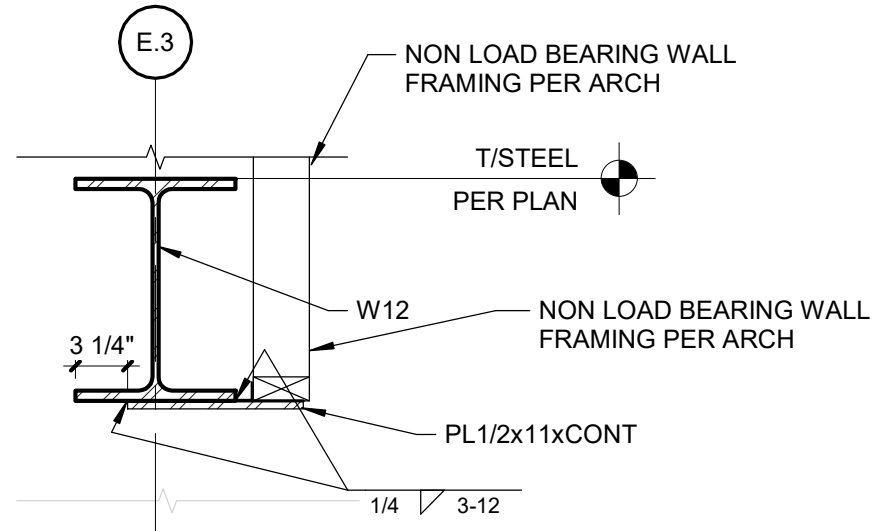
8 RAFTER TO TRUSS DETAIL  
Scale: 3/4" = 1'-0"



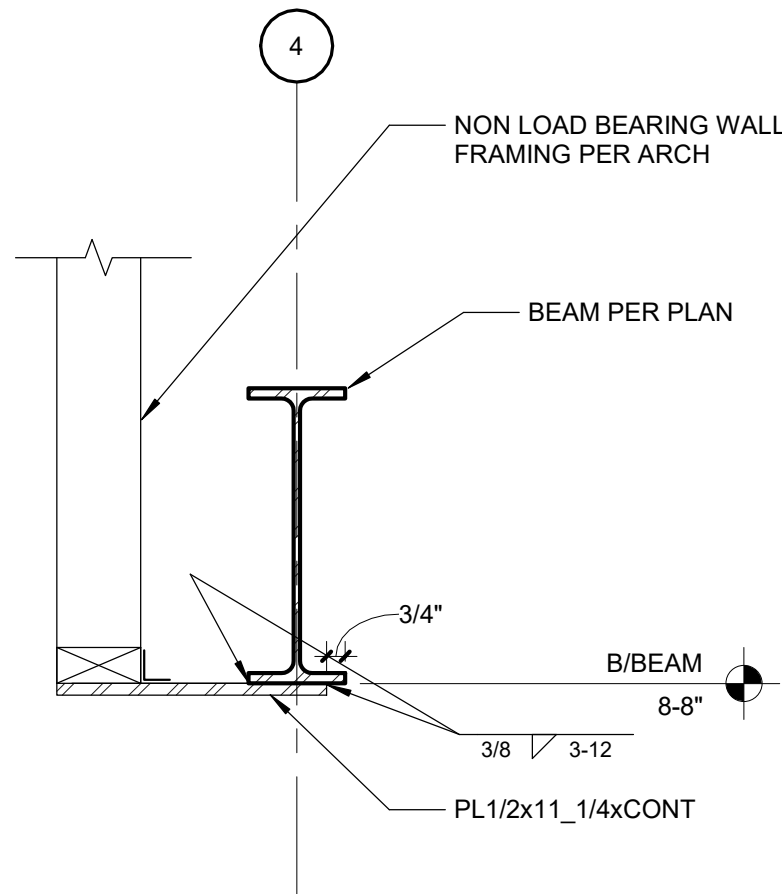
7 FRAMING SECTION @ DECOR. TRUSS  
Scale: 1/2" = 1'-0"



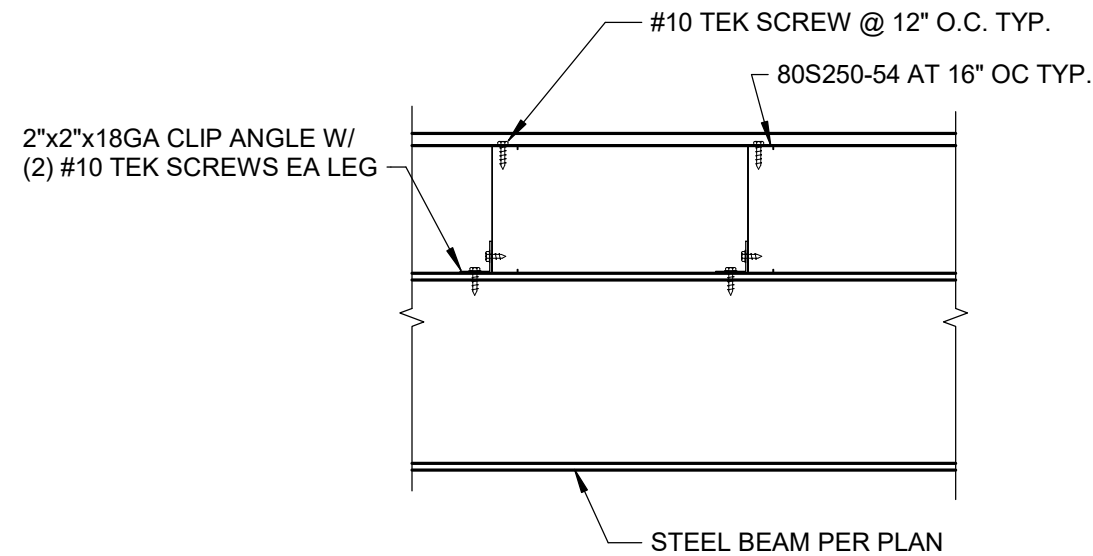
6 COLUMN CONNECTION @ EXISTING ROOF  
Scale: 1" = 1'-0"



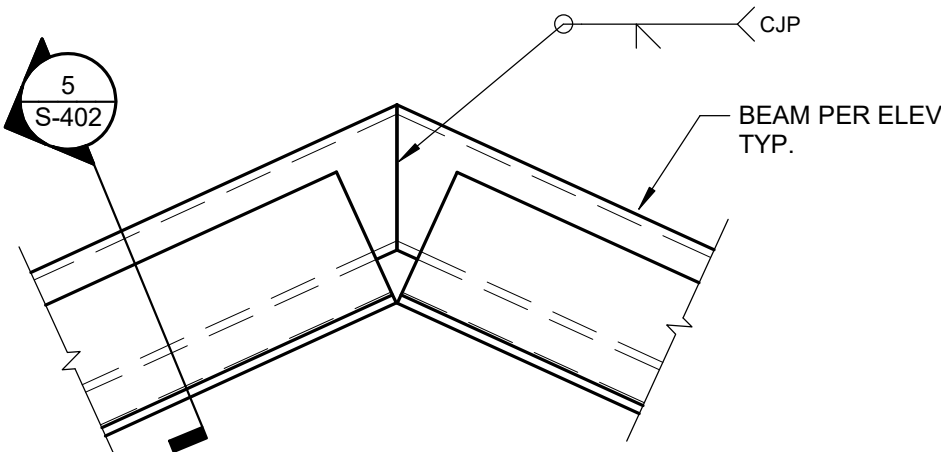
5 LINTEL PLATE AT E.3  
Scale: 1" = 1'-0"



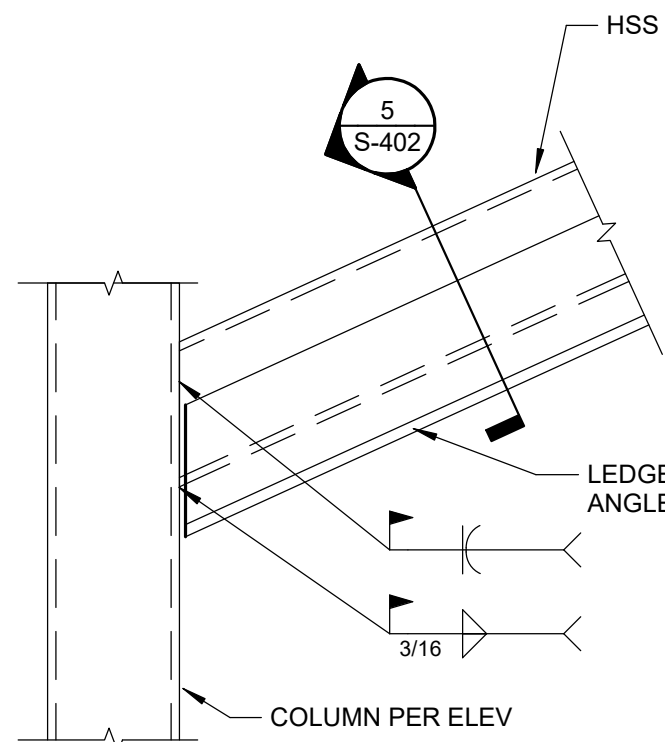
4 LINTEL PLATE DETAIL AT LINE 4  
Scale: 1 1/2" = 1'-0"



3 LIGHT GAGE CONN. TO STEEL BEAM  
Scale: 1" = 1'-0"

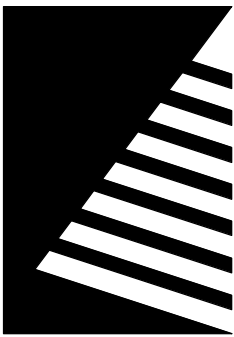
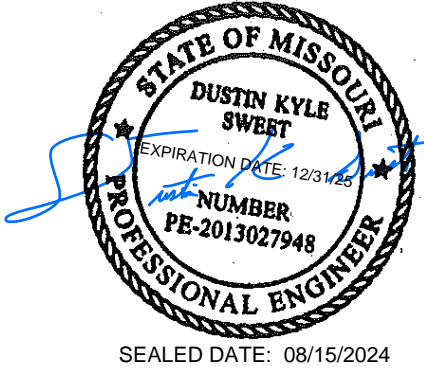


2 SLOPED HSS CONNECTION AT PEAK  
Scale: 1 1/2" = 1'-0"



1 SLOPED HSS CONNECTION AT COL  
Scale: 1 1/2" = 1'-0"

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: AJC  
CHECKED BY: DKS  
DESIGNED BY: AMC

SHEET TITLE:

**FRAMING DETAILS**

SHEET NUMBER:

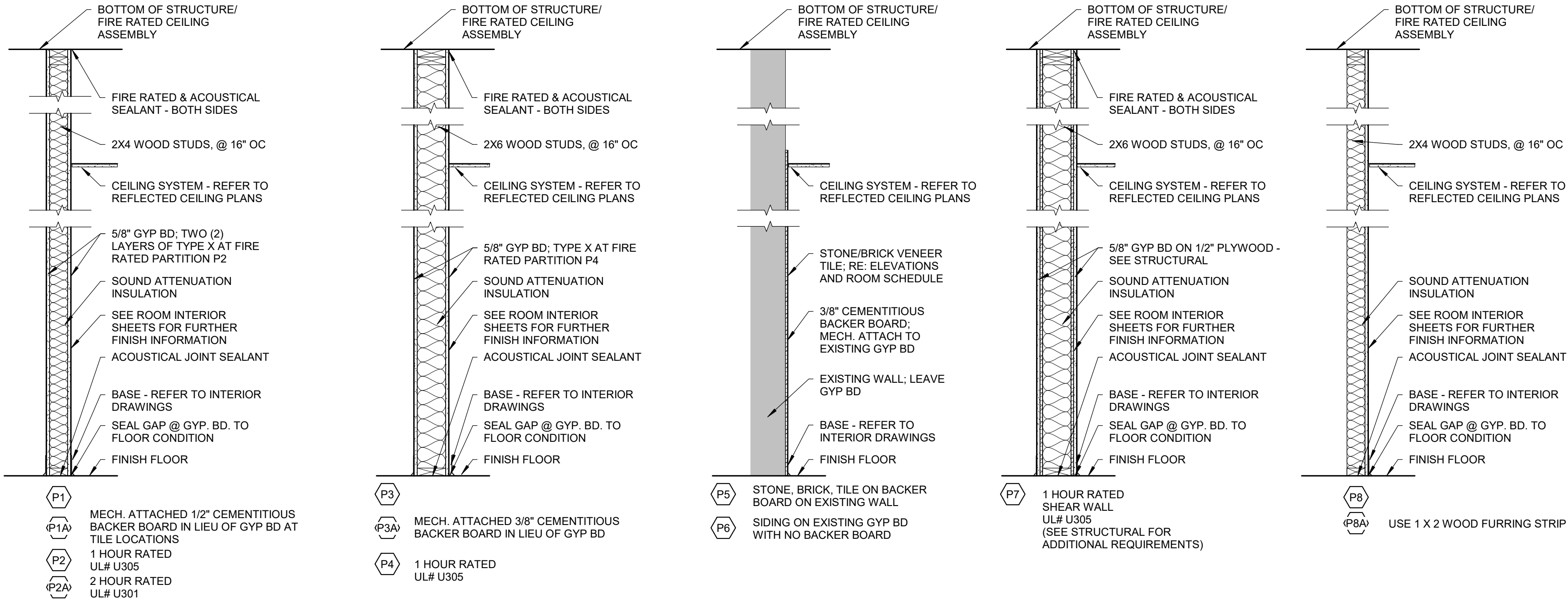
**S-403**

SHEET 38 OF 197  
ISSUE DATE: 08/15/2024



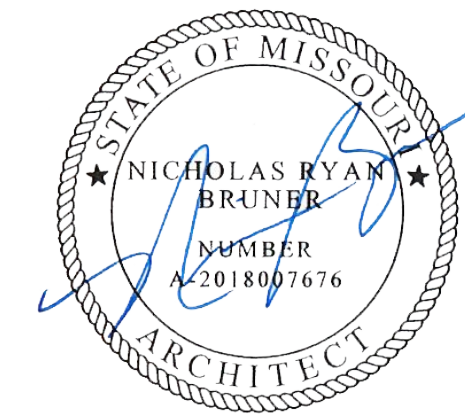
PARTITION TYPE NOTES

- A. AT ALL FIRE RATED SEPARATIONS, EXTEND GYPSUM BOARD THROUGH ALL CHASES AND WALL INTERSECTIONS TO PROVIDE A CONTINUOUS UNINTERRUPTED LAYER OF 5/8" GYPSUM BOARD ON EACH SIDE OF THE PARTITION AND SEPARATION. SEAL ALL PENETRATIONS WITH APPROVED U.L. LISTED SEALANT AND/OR SEALANT ASSEMBLIES.
- B. AT ALL SMOKE SEPARATIONS, EXTEND GYPSUM BOARD THROUGH ALL CHASES AND WALL INTERSECTIONS TO PROVIDE A CONTINUOUS UNINTERRUPTED LAYER OF 5/8" GYPSUM BOARD ON EACH SIDE OF THE PARTITION AND SEPARATION. SEAL ALL PENETRATIONS WITH APPROVED U.L. LISTED SEALANT AND/OR SEALANT ASSEMBLIES TO LIMIT THE PASSAGE OF SMOKE.
- C. CONTROL JOINTS SHALL BE INSTALLED AT ALL CONSTRUCTION CHANGES WITHIN A PLANE OF PARTITION OR CEILING, AT PARTITION RUNS THAT EXCEED 30'-0" IN LENGTH, CEILING DIMENSIONS THAT EXCEED 50' IN EITHER DIRECTION WITH PERIMETER RELIEF AND 30' WITHOUT. AT WINGS OF "L", "U" AND "T" SHAPED CEILING AREAS, AT BUILDING EXPANSION OR CONTROL JOINTS. CONTROL JOINTS SHALL BE INSTALLED AT EACH DOOR FROM OUTSIDE CORNER OF THE TOP OF DOOR JAMB TO ABOVE CEILING. REFER TO PUBLISHED CONTROL JOINT DETAILS IN GA 600-900 FIRE RESISTANCE DESIGN MANUAL.
- D. CONTRACTOR SHALL PROVIDE ADDITIONAL MATERIALS TO MAINTAIN THE APPROPRIATE FIRE RATING WHERE CONTROL JOINTS ARE LOCATED IN FIRE-RATED PARTITIONS. INSTALLATION SHALL BE PER THE DETAILS SHOWN IN THE LATEST PUBLICATION OF THE USG CONSTRUCTION HANDBOOK, GYPSUM ASSOCIATION PUBLICATION OR UNDERWRITERS LABORATORY FIRE RESISTANCE DIRECTORY AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- E. AT UL LISTED RATED ASSEMBLIES, THE CONTRACTOR IS TO VERIFY THE GYPSUM BOARD TYPE AND MANUFACTURER BASED ON THE WRITTEN DESCRIPTIONS FOR THE APPROPRIATE UL LISTED ASSEMBLY RATING SPECIFICATIONS FOUND IN THE LATEST EDITION OF THE UNDERWRITERS LABORATORY FIRE RESISTANCE DIRECTORY.
- F. AT THE BASE AND HEAD OF ALL WALLS REQUIRING SOUND ATTENUATION INSULATION, ENSURE THAT THE GYPSUM WALL PANELS ARE NOT OFFSET FROM THE SUBFLOOR OR THE STRUCTURE ABOVE MORE THAN 1/2". IF CONSTRUCTION CONDITIONS REQUIRE THE GYPSUM WALL PANELS TO BE OFFSET MORE THAN 1/2", PROVIDE A CONTINUOUS BEAD OF BACKER ROD AND SEALANT TO PREVENT THE WALL BASE FROM DEFLECTING INTO THE CAVITY.
- G. AT THE BASE OF ALL WALLS NOT REQUIRING SOUND ATTENUATION INSULATION, ENSURE THAT THE GYPSUM BOARD WALL PANELS ARE NOT OFFSET FROM THE SUBFLOOR GREATER THAN 1/2". IF CONSTRUCTION CONDITIONS REQUIRE THE GYPSUM BOARD WALL PANELS TO BE INSTALLED WITH AN OFFSET GREATER THAN 1/2", PROVIDE A CONTINUOUS BEAD OF BACKER ROD AND SEALANT TO PREVENT THE WALL BASE FROM DEFLECTING INTO THE CAVITY.
- H. PROVIDE RED ROSIN PAPER OR SIMILAR MATERIAL BETWEEN DISSIMILAR MATERIALS
- I. PROVIDE INSULATION AND/OR SOUND ATTENUATION INSULATION IN ALL SUBORDINATE (SIMILAR) PARTITIONS UNLESS OTHERWISE NOTED OR SHOWN.
- J. PROVIDE 5/8" FIRE RATED MOISTURE RESISTANT/MOLD RESISTANT GYPSUM BOARD AT ALL LOCATIONS WHERE WATER PRODUCING DEVICES MAY BE PRESENT OR SPLASHED ONTO THE WALL SURFACE (I.E. WATER COOLERS, SINKS, LAVATORIES, HOSE BIBS, ETC.). EXTEND GYPSUM BOARD A MINIMUM OF 4'-0" IN ALL DIRECTIONS FROM CENTER OF DEVICE.
- K. EXTEND FIRE RATED PARTITIONS, BARRIERS AND OTHER SEPARATIONS TO BOTTOM OF ROOF DECK ABOVE AND TO EXTERIOR WALL. EXTEND GYPSUM BOARD TO FURTHEST EXTENT POSSIBLE AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- L. PROVIDE CONTINUOUS STIFFENER CHANNELS AT 4'-0" MAXIMUM VERTICAL SPACING, TYPICAL. ALSO PROVIDE AT MIDPOINT BETWEEN BOTTOM OF STRUCTURE AND HEAD OF INTERIOR WINDOWS AND DOORS AS WELL AS HINGE MIDPOINT AT DOORS. IF DOOR OPENING IS OVER 4'-0" LONG, PROVIDE STIFFENER CHANNELS AT ALL HINGE POINTS FOR MINIMUM OF 2 STUD SPACES HORIZONTALLY.
- M. AT ALL INTERSECTIONS WITH CEILINGS, PROVIDE METAL STUD FIRE BLOCKING AT NO GREATER THAN 8'-0" APART AND AS REQUIRED BY THE FIRE RATED ASSEMBLY.
- N. PROVIDE CEMENTITIOUS BACKER BOARD AT INTERIOR AREAS TO RECEIVE THIN STONE VENEER FINISH.
- O. PROVIDE MOISTURE RESISTANT GYPSUM BACKER BOARD AT AREAS TO RECEIVE TILE FINISHES.

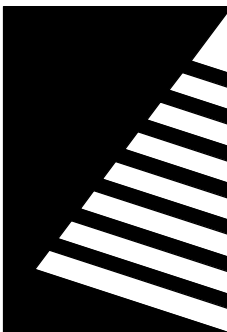


**1 PARTITION TYPES**  
Scale: 3/4" = 1'-0"

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:

**PARTITION TYPES**

SHEET NUMBER:

**A-001**

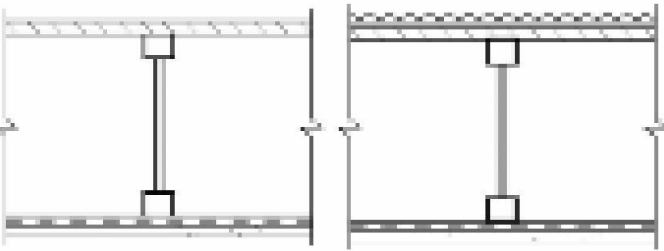
SHEET 39 OF 197  
ISSUE DATE: 08/15/2024



UL-L544

Design No. L544

Wall Rating — 1 Hr.



Approx. Ceiling Weight: 5 psf

Fire Test: NRCC A-4440.1 (Revised), 6-24-97

Sound Test: NRCC B-3150.2, 6-30-00 (88 C & P)

IIC & Test: NRCC B-3150.2, 6-30-00

WOOD I-JOISTS, GYPSUM WALLBOARD, RESILIENT CHANNELS

Base layer 1/2" type X gypsum wallboard applied at right angles to resilient channels 16" o.c. with 1 1/4" Type S drywall screws 12" o.c. Resilient channels applied at right angles to minimum 9/16" deep wood joists, with minimum 1 1/4" deep x 1 1/2" wide flanges and minimum 3/8" webs, 24" o.c. with 1 1/4" Type W drywall screws. Face layer 1/2" type X gypsum wallboard applied at right angles to channels with 1 1/8" Type S drywall screws 12" o.c. Face layer end joints located midway between channels and attached to base layer with 1 1/2" Type G screws 12" o.c. Edge joints offset 24" from base layer edge joints. Wood joists supporting 3/8" oriented strand board applied at right angles to I-joists with 8d common nails 12" o.c.

STC and IIC tested with 40 oz carpet over 1/4" foam pad.

UL\_L527

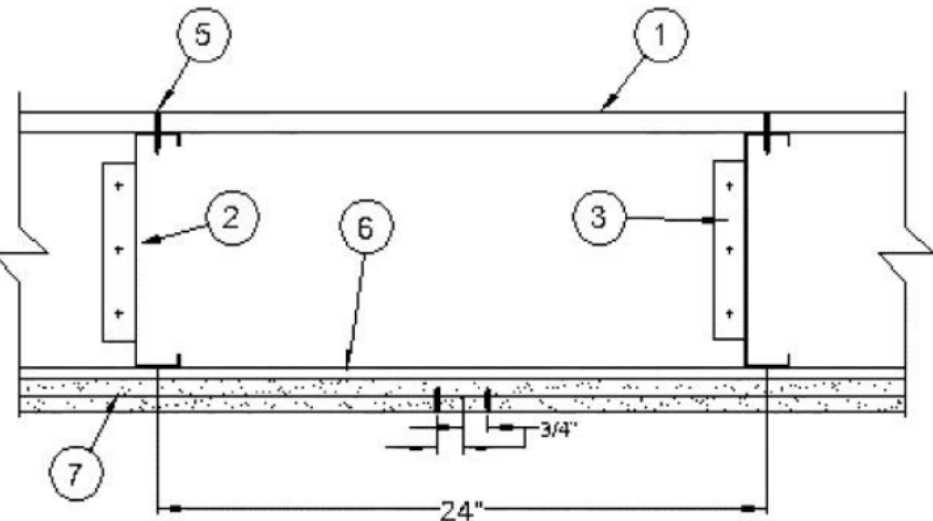
Design No. L527

May 06, 2020

Unrestrained Assembly Rating — 1-1/2 Hr.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide [BXLU](#) or [BXLV](#).

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. 3/4" Plywood Sheathing. Face grain of plywood to be perpendicular to joists with end joints staggered. Long edges to be T & G.

2. Steel Joists

3. Plate/Situation

5. Fastener Situation

6. RC-1 resilient channel

7. Gypsum Board — (2) Layers 5/8 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths other than 48 in., gypsum panels are to be installed horizontally. For an alternate method of attachment of gypsum panels, refer to Items 6 through 6E, Steel Framing Members\*.

When Items 6, 6B, 6C, 6D, or 6E, Steel Framing Members\*, are used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.

ACADIA DRYWALL SUPPLIES LTD — Type X (finish rating 22 min), 5/8 Type X, Moisture Resistant Type X, Gypsum Sheathing Type X, Mold & Mildew Resistant Type X and Mold & Mildew Resistant AR Type X, Type Blueglass Exterior Sheathing

AMERICAN GYPSUM CO — Types AGX-1 (finish rating 23 min.), M-Glass (finish rating 23 min.), Type AGX-11 (finish rating 26 min), Type AGX-12 (finish rating 22 min), Type LightRoc (finish rating 23 min.) or Type AG-C

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1 (finish rating 24 min)

CERTAINTEEED GYPSUM INC — Type 1, Type SF3 (finish rating 20 min) or FRPC; Type C, Type X-2, Type X or Type X-1 (finish rating 26 min); Type EGRG or GlasRoc (finish rating 23 min), GlasRoc-2, Type Habito (finish rating 26 min).

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min)

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC6A (finish rating 34 min), Type LGFC2A, Type LGFC-CIA, Type LGFC-WD, Type LGLLX (finish rating 21 min), Type CLLX (finish rating 24 min)

GEORGIA-PACIFIC GYPSUM L L C — Type 5 (finish rating 26 min), Type 6 (finish rating 23 min), Type 9 (finish rating 26 min), Type C (finish rating 26 min), Type DGG (finish rating 20 min), Type GPFS1 (finish rating 20 min), Type GPFS2 (finish rating 20 min), Type GPFS6 (finish rating 26 min), Type DS, Type DAP, Type DD (finish rating 20 min), Type DA, Type DAPC, Type LS (finish rating 23 min), Type X, Veneer Plaster Base - Type LWX (finish rating 22 min), Type X, Sheathing - Type X, Soffit - Type X, Type LWX (finish rating 22 min), Veneer Plaster Base-Type LWX (finish rating 22 min), Water Rated-Type LWX (finish rating 22 min), Sheathing Type-LWX (finish rating 22 min), Soffit-Type LWX (finish rating 22 min), Type DGLW (finish rating 22 min), Water Rated-Type DGLW (finish rating 22 min), Sheathing Type- DGLW (finish rating 22 min), Soffit-Type DGLW (finish rating 22 min), Type LWX (finish rating 22 min), Type LW2X (finish rating 22 min), Veneer Plaster Base - Type LW2X (finish rating 22 min), Water Rated - Type LW2X (finish rating 22 min), Sheathing - Type LW2X (finish rating 22 min), Soffit - Type LW2X (finish rating 22 min), Type DGL2W (finish rating 22 min), Water Rated - Type DGL2W (finish rating 22 min), Sheathing - Type DGL2W (finish rating 22 min)

NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSWR-C, Type FSW-6 (finish rating 20 min), Type FSL (finish rating 24 min), Type FSW-8, Type FSLX (finish rating 21 min).

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FRX-G (finish rating 29 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX (finish rating 24 min), Type SGX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type ULX (finish rating 20 min)

USG BORAL DRYWALL SFZ LLC — Type SGX (finish rating 24 min).

USG MEXICO S A DE C V — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type ULX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRC (finish rating 24 min), Type ULX (finish rating 20 min)

3A. Gypsum Board\* — (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths of other than 48 in., gypsum boards are to be installed horizontally.

AMERICAN GYPSUM CO — Types AGX-1 (finish rating 25 min.), M-Glass (finish rating 25 min.), AG-C (finish rating 25 min.), LightRoc (finish rating 25 min.)

CERTAINTEEED GYPSUM INC — Type C, Type X-2, Type X or Type X-1 (finish rating 26 min)

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min)

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC6A (finish rating 34 min), Type LGFC2A, Type LGFC-CIA, Type LGFC-WD, Type LGLLX (finish rating 21 min), Type CLLX (finish rating 24 min)

GEORGIA-PACIFIC GYPSUM L L C — Type 5 (finish rating 26 min), Type 6 (finish rating 23 min), Type 9 (finish rating 26 min), Type C (finish rating 26 min), Type DGG (finish rating 20 min), Type GPFS1 (finish rating 20 min), Type GPFS2 (finish rating 20 min), Type GPFS6 (finish rating 26 min), Type DS, Type DAP, Type DD (finish rating 20 min), Type DA, Type DAPC, Type LS (finish rating 23 min), Type X, Veneer Plaster Base - Type LWX (finish rating 22 min), Type X, Sheathing - Type X, Soffit - Type X, Type LWX (finish rating 22 min), Veneer Plaster Base-Type LWX (finish rating 22 min), Water Rated-Type LWX (finish rating 22 min), Sheathing Type-LWX (finish rating 22 min), Soffit-Type LWX (finish rating 22 min), Type DGLW (finish rating 22 min), Water Rated-Type DGLW (finish rating 22 min), Sheathing Type- DGLW (finish rating 22 min), Soffit-Type DGLW (finish rating 22 min), Type LWX (finish rating 22 min), Type LW2X (finish rating 22 min), Veneer Plaster Base - Type LW2X (finish rating 22 min), Water Rated - Type LW2X (finish rating 22 min), Sheathing - Type LW2X (finish rating 22 min), Soffit - Type LW2X (finish rating 22 min), Type DGL2W (finish rating 22 min), Water Rated - Type DGL2W (finish rating 22 min), Sheathing - Type DGL2W (finish rating 22 min)

NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSWR-C, Type FSW-6 (finish rating 20 min), Type FSL (finish rating 24 min), Type FSW-8, Type FSLX (finish rating 21 min).

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FRX-G (finish rating 29 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX (finish rating 24 min), Type SGX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type ULX (finish rating 20 min)

UL-U305

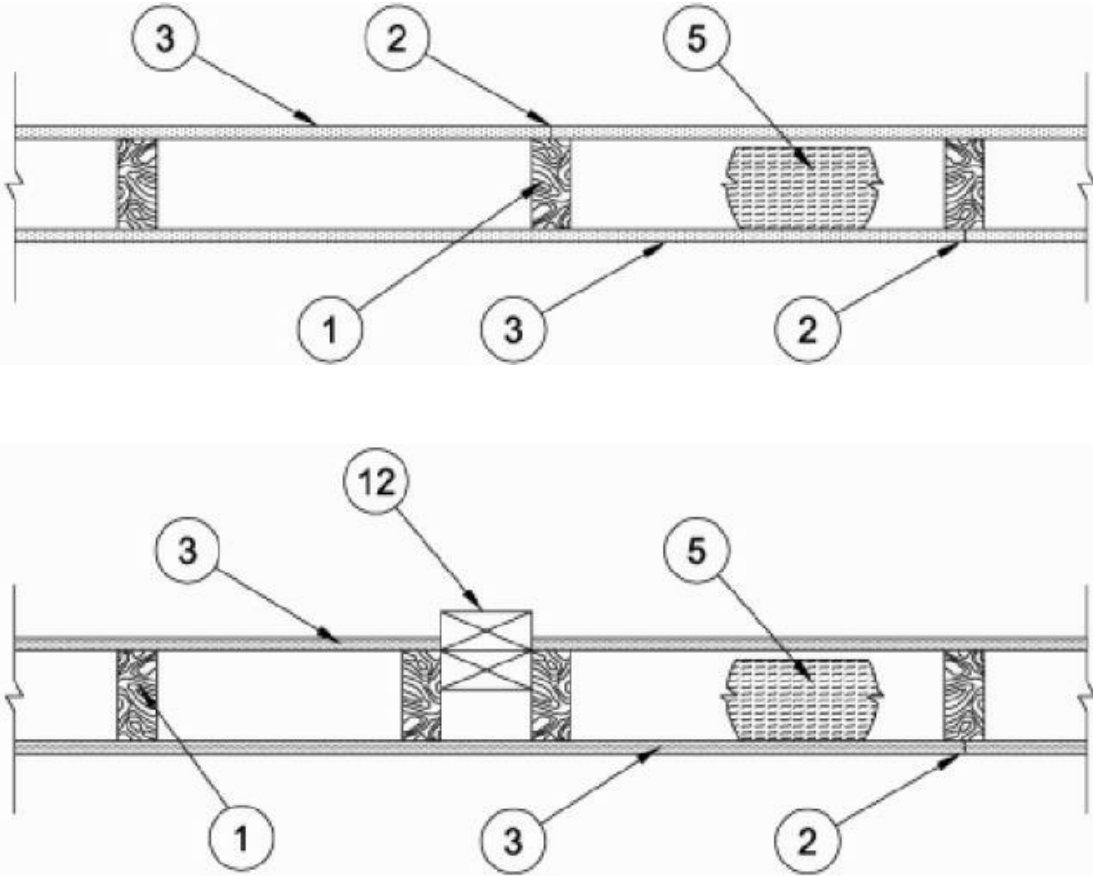
Design No. U305

December 03, 2018

Bearing Wall Rating — 1 Hr.

Finish Rating — See Items 3, 3A, 3D, 3E, 3F, 3G, 3H, 3J and 3L.

STC Rating - 56 (See Item 9)



1. Wood Studs — Nom 2 by 4 in. spaced 16 in. OC max, effectively firestopped.

2. Joints and Nail-Heads — Joints covered with joint compound and paper tape. Joint compound and paper tape may be omitted when square edge boards are used. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with the joints reinforced with paper tape. Nailheads exposed or covered with joint compound.

3. Gypsum Board\* — 5/8 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths other than 48 in., gypsum panels are to be installed horizontally. For an alternate method of attachment of gypsum panels, refer to Items 6 through 6E, Steel Framing Members\*.

When Items 6, 6B, 6C, 6D, or 6E, Steel Framing Members\*, are used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.

ACADIA DRYWALL SUPPLIES LTD — Type X (finish rating 22 min), 5/8 Type X, Moisture Resistant Type X, Gypsum Sheathing Type X, Mold & Mildew Resistant Type X and Mold & Mildew Resistant AR Type X, Type Blueglass Exterior Sheathing

AMERICAN GYPSUM CO — Types AGX-1 (finish rating 23 min.), M-Glass (finish rating 23 min.), Type AGX-11 (finish rating 26 min), Type AGX-12 (finish rating 22 min), Type LightRoc (finish rating 23 min.) or Type AG-C

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1 (finish rating 24 min)

CERTAINTEEED GYPSUM INC — Type 1, Type SF3 (finish rating 20 min) or FRPC; Type C, Type X-2, Type X or Type X-1 (finish rating 26 min); Type EGRG or GlasRoc (finish rating 23 min), GlasRoc-2, Type Habito (finish rating 26 min).

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min)

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC6A (finish rating 34 min), Type LGFC2A, Type LGFC-CIA, Type LGFC-WD, Type LGLLX (finish rating 21 min), Type CLLX (finish rating 24 min)

GEORGIA-PACIFIC GYPSUM L L C — Type 5 (finish rating 26 min), Type 6 (finish rating 23 min), Type 9 (finish rating 26 min), Type C (finish rating 26 min), Type DGG (finish rating 20 min), Type GPFS1 (finish rating 20 min), Type GPFS2 (finish rating 20 min), Type GPFS6 (finish rating 26 min), Type DS, Type DAP, Type DD (finish rating 20 min), Type DA, Type DAPC, Type LS (finish rating 23 min), Type X, Veneer Plaster Base - Type LWX (finish rating 22 min), Type X, Sheathing - Type X, Soffit - Type X, Type LWX (finish rating 22 min), Veneer Plaster Base-Type LWX (finish rating 22 min), Water Rated-Type LWX (finish rating 22 min), Sheathing Type-LWX (finish rating 22 min), Soffit-Type LWX (finish rating 22 min), Type DGLW (finish rating 22 min), Water Rated-Type DGLW (finish rating 22 min), Sheathing Type- DGLW (finish rating 22 min), Soffit-Type DGLW (finish rating 22 min), Type LWX (finish rating 22 min), Type LW2X (finish rating 22 min), Veneer Plaster Base - Type LW2X (finish rating 22 min), Water Rated - Type LW2X (finish rating 22 min), Sheathing - Type LW2X (finish rating 22 min), Soffit - Type LW2X (finish rating 22 min), Type DGL2W (finish rating 22 min), Water Rated - Type DGL2W (finish rating 22 min), Sheathing - Type DGL2W (finish rating 22 min)

NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSWR-C, Type FSW-6 (finish rating 20 min), Type FSL (finish rating 24 min), Type FSW-8, Type FSLX (finish rating 21 min).

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FRX-G (finish rating 29 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX (finish rating 24 min), Type SGX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type ULX (finish rating 20 min)

USG BORAL DRYWALL SFZ LLC — Type SGX (finish rating 24 min).

USG MEXICO S A DE C V — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type ULX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRC (finish rating 24 min), Type ULX (finish rating 20 min)

3A. Gypsum Board\* — (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths of other than 48 in., gypsum boards are to be installed horizontally.

AMERICAN GYPSUM CO — Types AGX-1 (finish rating 25 min.), M-Glass (finish rating 25 min.), AG-C (finish rating 25 min.), LightRoc (finish rating 25 min.)

CERTAINTEEED GYPSUM INC — Type C, Type X-2, Type X or Type X-1 (finish rating 26 min)

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min)

NATIONAL GYPSUM CO — Type FSW (finish rating 24 min)

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type SCX (finish rating 24 min), Type SGX (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type FRX-G (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX (finish rating 24 min).

5A. Fiber, Sprayed\* — (Not Shown) — Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft3. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft3, in accordance with the application instructions supplied with the product. When Item 6B is used, Fiber, Sprayed shall be INS735, INS745, INS765LD, or INS770LD.

U S GREENFIBER L L C — INS735 & INS745 for use with wet or dry application. INS510LD, INS515LD, INS541LD, INS735, INS745, INS765LD, and INS770LD are to be used for dry application only

5C. Batts and Blankets\* — Required for use with resilient channels, Item 7, 3 in. thick mineral wool batts, friction-fitted to fill interior of wall.

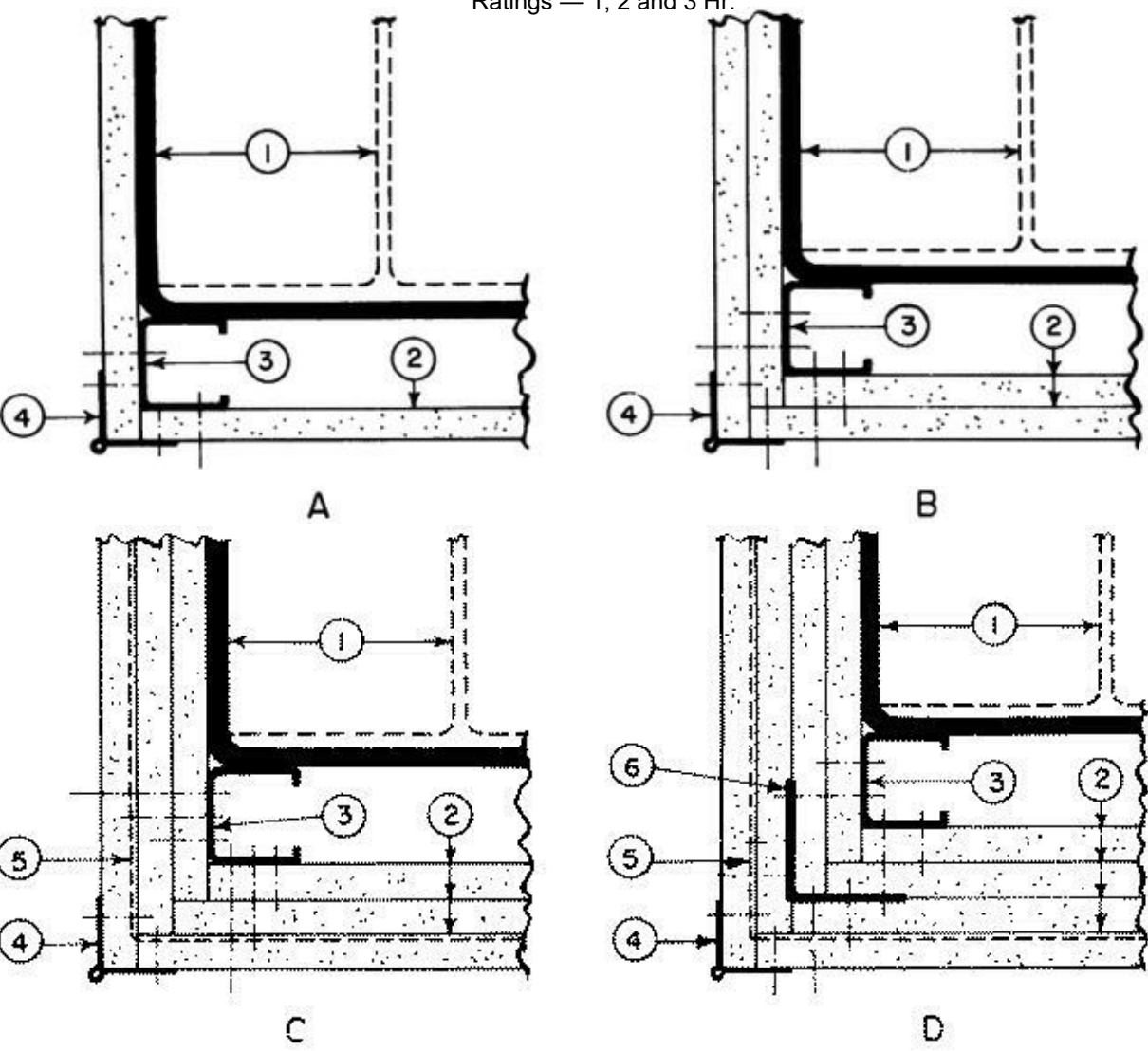
THERMAFIBER INC — Type SAFB, SAFB FF

UL-X528

Design No. X528

October 24, 2017

Ratings — 1, 2 and 3 Hr.



1. Steel Column — Min sizes of W-shaped and tubular steel columns which appear in the AISCS Steel Construction Manual as shown under Item 2.

2. Gypsum Board\* — Any 1/2 in. thick UL Classified Gypsum Board that is eligible for use in Design No. X515. Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. L501, G512 or U305. Nom 1/2 in. or 5/8 in. thick gypsum board. Applied in layers as noted in the above illustrations. Boards are to be applied vertically without horizontal joints. Min total thickness of layers in inches for the various ratings and min column sizes are as follows:

W Shaped Column Min Column Size	Rating (Hr)			Corner Details For Various Rating		
	1	2	3	1 Hr	2 Hr	3 Hr
Total thickness (In.)						
W4x13	1	1-1/2	2-1/4	B	C	D
W6x15.5	1	1-1/2	2-1/4	B	C	D
W10x49	1/2	1-1/8	1-7/8	A	B	C
Tube Shaped columns						
TS 4 by 4						
by0.188	1	1-3/4	2-5/8	B	C	D
TS 8 by 8						
by 0.250	5/8	1-1/2	2-1/4	A	C	D

ACADIA DRYWALL SUPPLIES LTD (View Classification) — CKNX.R25370

AMERICAN GYPSUM CO (View Classification) — CKNX.R14196

CERTAINTEEED GYPSUM INC (View Classification) — CKNX.R36860

GEORGIA-PACIFIC GYPSUM L L C (View Classification) — CKNX.R2717

LOADMASTER SYSTEMS INC (View Classification) — CKNX.R11809

NATIONAL GYPSUM CO (View Classification) — eXP-C, CKNX.R3501

UNITED STATES GYPSUM CO (View Classification) — CKNX.R1319

USG BORAL DRYWALL SFZ LLC (View Classification) — CKNX.R38438

USG MEXICO S A DE C V (View Classification) — CKNX.R16089

2A. Gypsum Board\* — As an alternate to Item 2- 3/4 in. thick gypsum wallboard. For 2 Hr rating, 1-1/2 in. total thickness, installed in accordance with corner detail B. For 3 Hr rating, 2-1/4 in. total thickness installed in accordance with corner detail C. Boards are to be applied vertically without horizontal joints.

CGC INC — Type IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — Type IP-X3 or ULTRACODE

USG BORAL DRYWALL SFZ LLC — Type ULTRACODE

USG MEXICO S A DE C V — Type IP-X3 or ULTRACODE

2B. Gypsum Board\* — (As an alternate to Items 2 and 2A) — Nominal 5/8 in. thick panels. One of the layers of Gypsum Board (Item 2) used to obtain the minimum required thickness in Item 2 may be substituted with one layer and secured as described in Item 2.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES

2C. Wall and Partition Facings and Accessories\* — (As an alternate to Item 2 through 2B) — Composite Gypsum Panel — Nominal 5/8 in. thick panels. One of the layers of Gypsum Board (Item 2) used to obtain the minimum required thickness in Item 2 may be substituted with one layer of composite gypsum panel and secured as described in Item 2.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR

3. Steel Stud — 1-5/8 in. wide with 1-5/16 and 1-7/16 in. legs having a 1/4- in. folded flange, fabricated from No. 25 MSG galv steel. Length to be 1/2 in. less than the assembly height.

5. Tie Wire — No. 18 SWG steel wire spaced 24 in. OC used with second layer of wallboard.

6. Screws — For attaching first layer of wallboard to steel studs, and third layer of wallboard to 2 in. by 2 in. steel angle (25 Ga) to be No. 6 by 1 in. (or 1-1/4 in. for 3/4 in. thick wallboard) Phillips head self-drilling, self-tapping double lead screws spaced 24 in. OC For attaching second layer of wallboard to steel studs and fourth layer of wallboard to 2 in. by 2 in. steel angle (25 Ga) to be No. 6 by 1-3/4 in. (or 2-1/4 in. for 3/4 in. thick wallboard) steel screws of the same type spaced 12 in. OC For attaching third layer of wallboard to steel studs to be No. 8 by 2-1/4 in. screws of the same type spaced 12 in. OC.

7. Finishing System — (Not Shown) — Joint compound applied over corner beads to a thickness of 1/16 in.

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

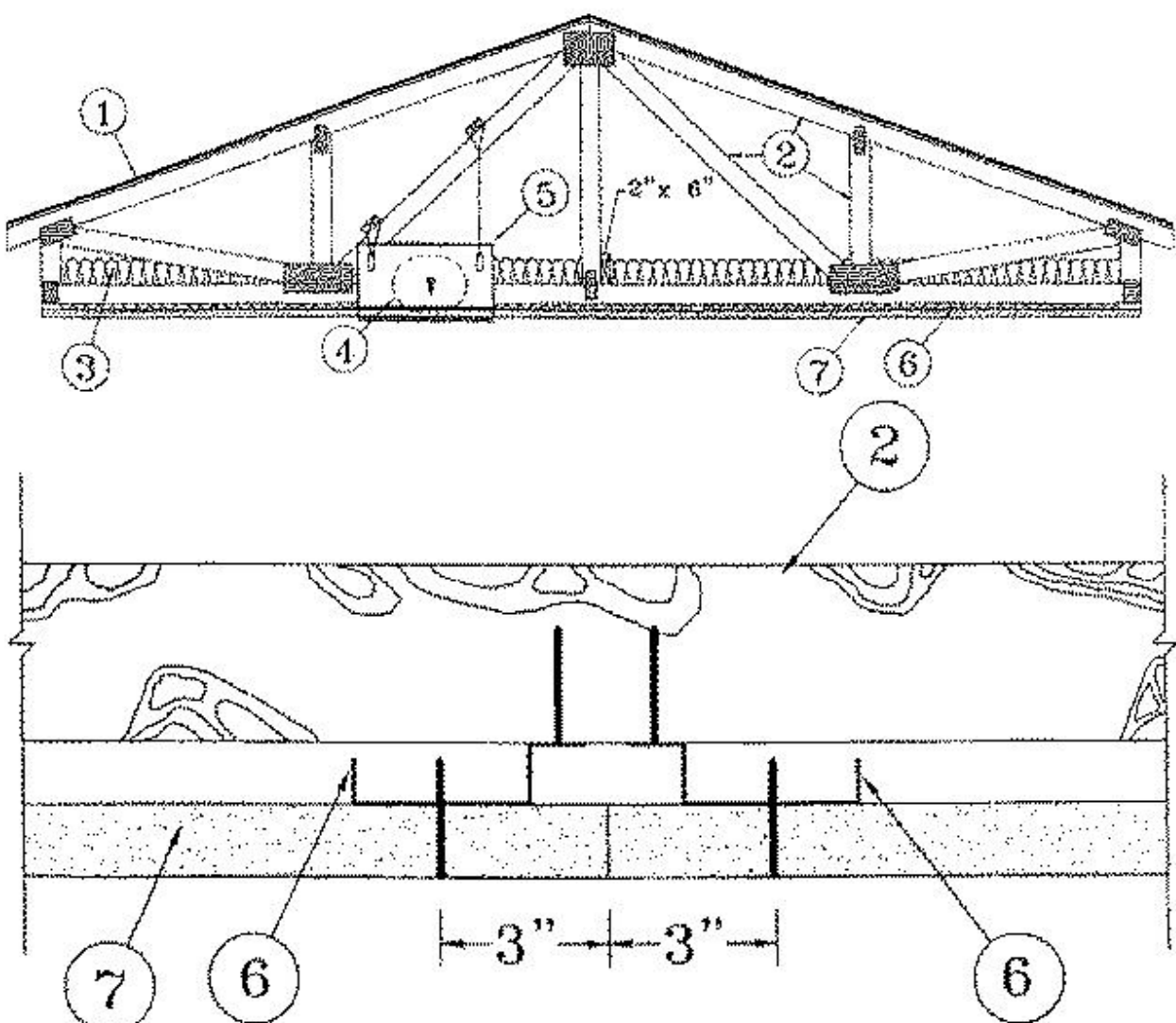
UL P533 - Ceiling Assembly Rating

Design No. P533

July 17, 2013

Unrestrained Assembly Rating — 1 Hr

Finish Rating — 23 Min



1. Roofing System\* — Any UL Class A, B or C Roofing System (TGfU) or Prepared Roof Covering (TFWZ) acceptable for use over nom 15/32 in. thick wood structural panels secured to trusses with No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. Construction adhesive may be used with either the nails or staples.

2. Trusses — Pitched or parallel chord wood trusses, spaced a max of 24 in. OC, fabricated from nom 2 by 4 lumber, with lumber oriented vertically or horizontally. Truss members secured together with 0.0356 in. thick galv steel plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split tooth type plate. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approximately 7/8 in. centers with four rows of teeth per inch of plate width. Where the truss intersects with the interior face of the exterior walls, the min truss depth shall be 5-1/4 in. with a min roof slope of 3/12 and a min area in the plane of the truss of 21 sq/ft. Where the truss intersects with the interior face of the exterior walls, the min truss depth may be reduced to 3 in. if the batts and blankets (Item 3) are used as shown in the above illustration (Alternate Insulation Placement) and are firmly packed against the intersection of the bottom chords and the plywood sheathing.

3. Batts and Blankets\* - Optional — Glass fiber insulation fitted in the concealed space, draped over the resilient channels and gypsum wallboard ceiling membrane or fastened to underside of roofing system. Any glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance, having a min density of 0.5 pcf

3A. Loose Fill Material\* — As an alternate to Item 3, any loose fill material bearing the UL Classification Marking for Surface Burning Characteristics, having a min density of 0.5 pcf.

4. Air Duct\* — Any UL Class 0 or Class 1 flexible air duct installed in accordance with the instructions provided by the damper manufacturer.

5. Ceiling Damper\* — Maximum nominal area, 324 sq in. Maximum square size, 18 in. by 18 in. Rectangular sizes not to exceed 324 sq in. with a maximum width of 18 in. Maximum damper height is 14 in. Installed in accordance with the manufacturers installation instructions provided with the damper. Maximum damper openings not to exceed 162 sq ft of ceiling area.

C&S AIR PRODUCTS — Model RD-521.

POTTORFF — Model CFD-521.

5A. Ceiling Damper\* — Maximum plenum box size nom. 19 in. long by 19 in. wide and 11-7/8 in. high fabricated from galvanized steel. Installed in accordance with the manufacturers installation instructions provided with the damper. Maximum damper openings not to exceed 128 sq. in. per 100 sq ft of ceiling area.

AIRE TECHNOLOGIES INC — Models: CRD model 50 w/Boot, CRD model 50EA w/Boot, CRD model 55 w/Boot, CRD model 55 EA w/Boot.

LLOYD INDUSTRIES INC — Model CRD 50-BT, CRD 50-EA-BT, CRD 55-BT, CRD 55 EA-BT.

6. Furring Channels — Resilient channels, min 3/8 in. deep by min 2 in. wide at the base and min 1-1/4 in. wide at the face, formed from 0.020 in. thick galv steel, spaced 12 in. OC. Channels secured to each truss with 1-1/4 in. long Type S steel screws. Channels overlapped 4 in. at splices. Channels oriented opposite at wallboard butt joints (spaced 6 in. OC) as shown in the above illustration.


7. Gypsum Board\* — Nom 5/8 in. thick, 48 in. wide, installed with long dimension perpendicular to resilient channels with 1-1/8 in. long Type S screws spaced 12 in. OC and located a min of 1/2 in. from side joints and 3 in. from the end joints. At end joints, two resilient channels are used, extending a min of 6 in. beyond both ends of the joint. When insulation, Item 3 or 3A, is draped over the resilient channel/gypsum wallboard ceiling membrane, screws shall be installed at 8 in. OC.

NATIONAL GYPSUM CO — Types FSW-G, FSW-C, FSK-G, FSK-C.

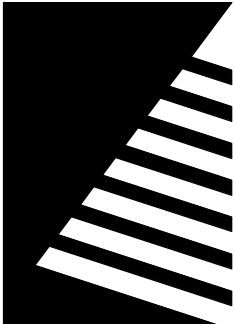
8. Finishing System — (Not shown) — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum wallboard.

\*Bearing the UL Classification Mark

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

FACILITY #.: 8136803002

FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR

CHECKED BY: NRB

DESIGNED BY: JH

SHEET TITLE:

FIRE RATED  
ASSEMBLIES

SHEET NUMBER:

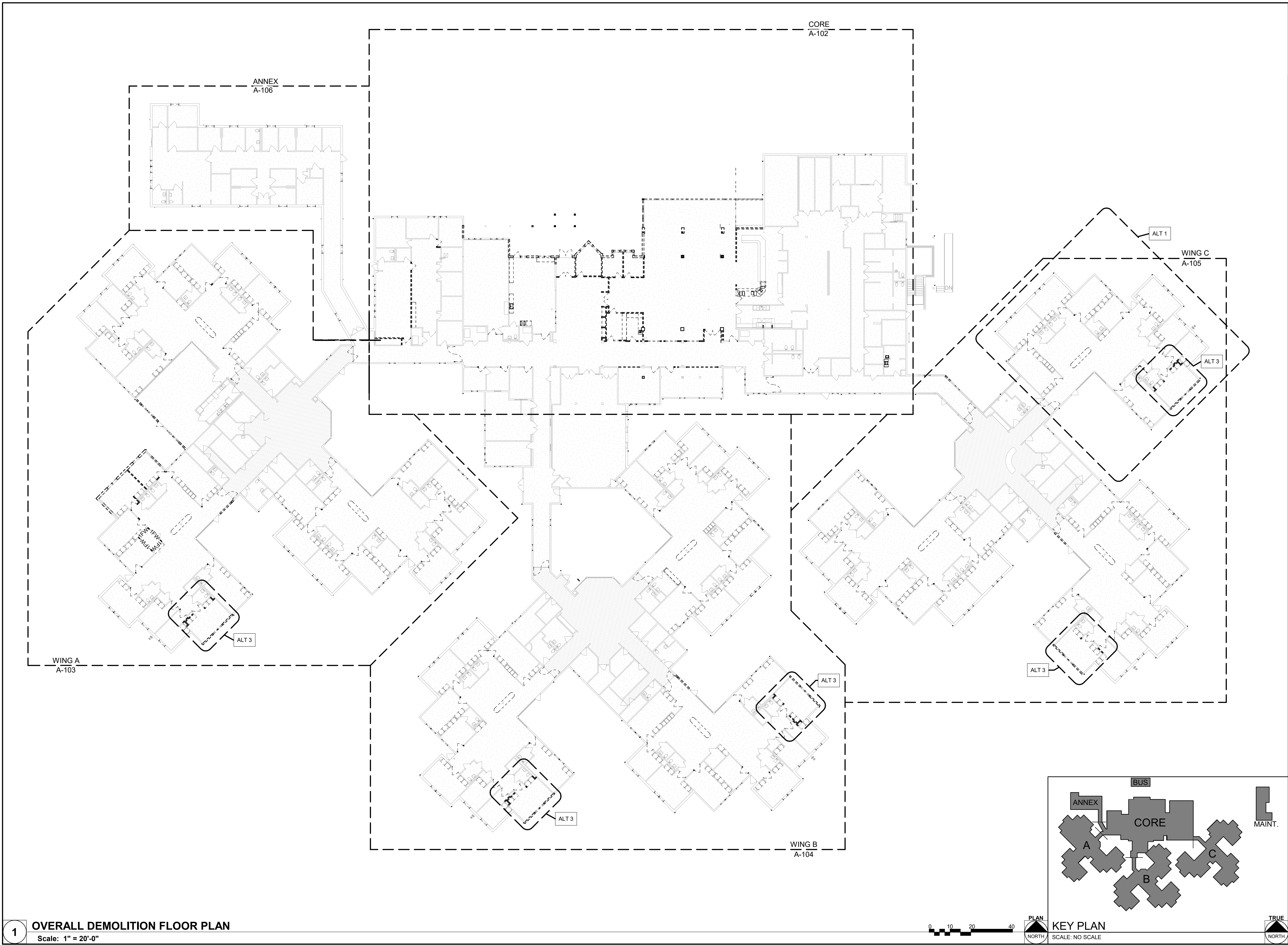
A-002

SHEET 40 OF 197

ISSUE DATE: 08/15/2024

8/15/2024 10:27:21 AM

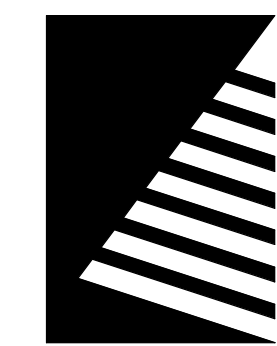




STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #:	U1805-01
SITE #:	6803
ASSET #:	8136803002
FAI #:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JHJ

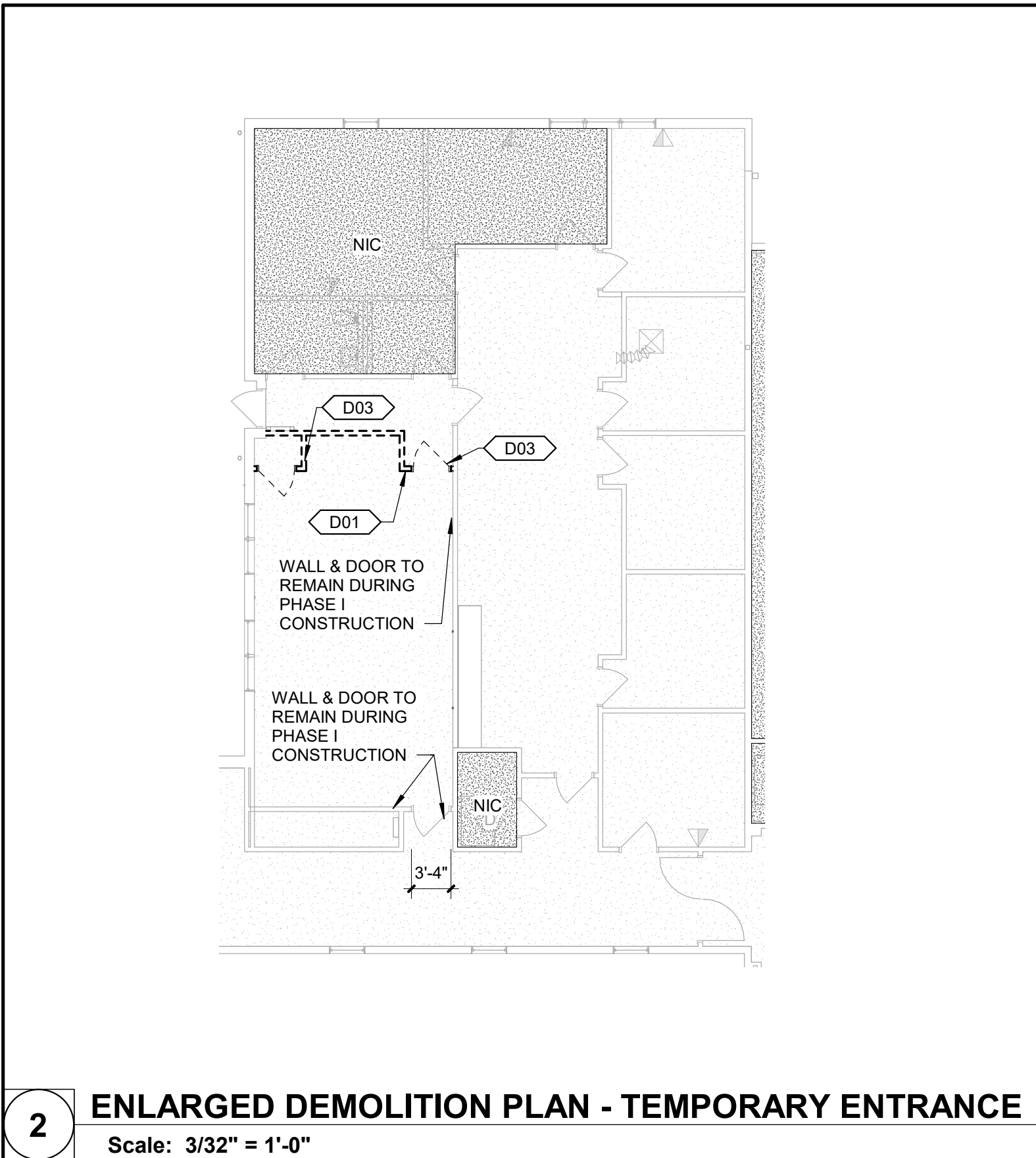
SHEET TITLE:  
**OVERALL DEMO  
PLAN**

SHEET NUMBER:

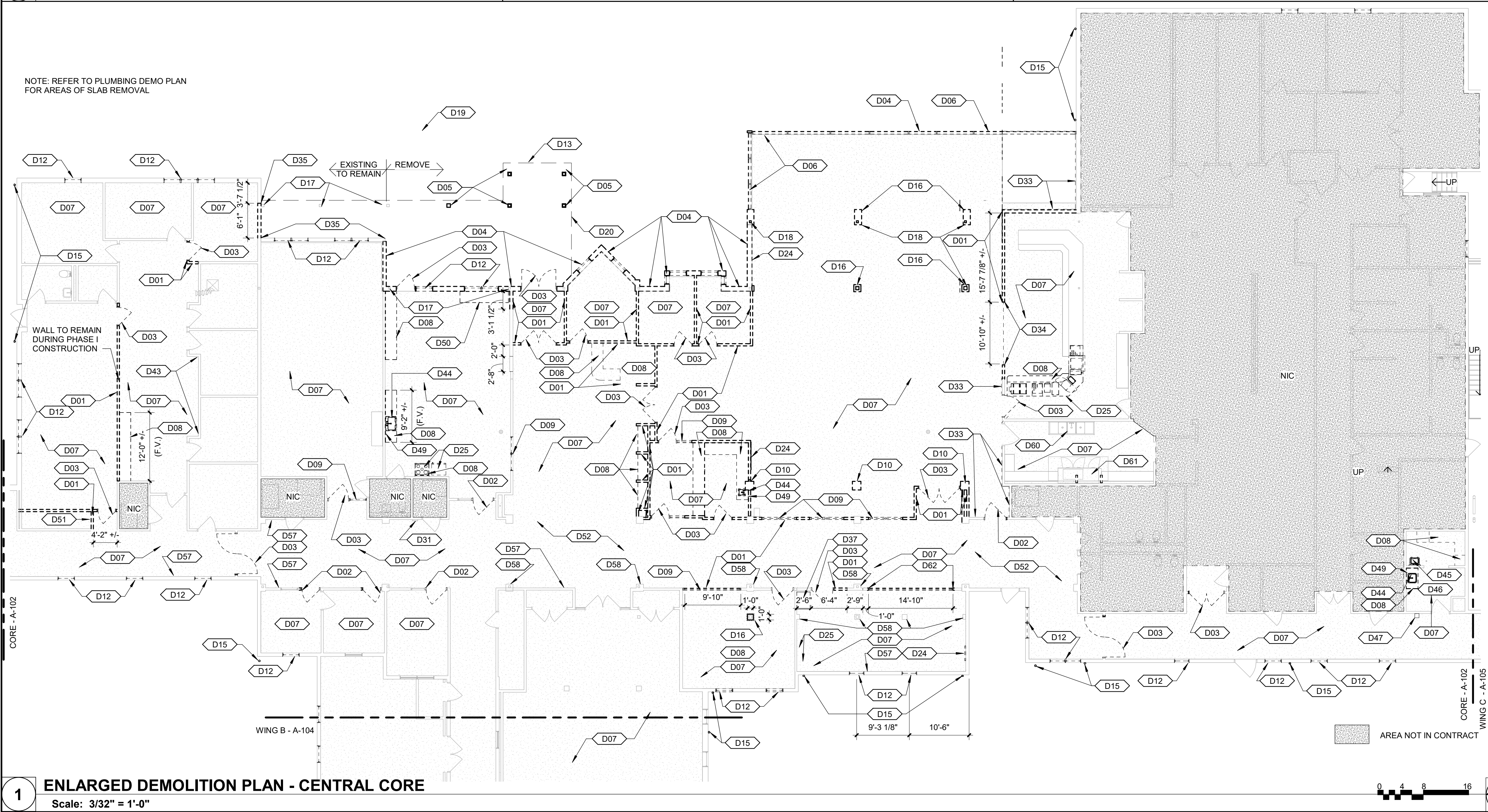
**A-101**

SHEET 41 OF 197  
ISSUE DATE: 08/15/2024





**2 ENLARGED DEMOLITION PLAN - TEMPORARY ENTRANCE**  
Scale: 3/32" = 1'-0"

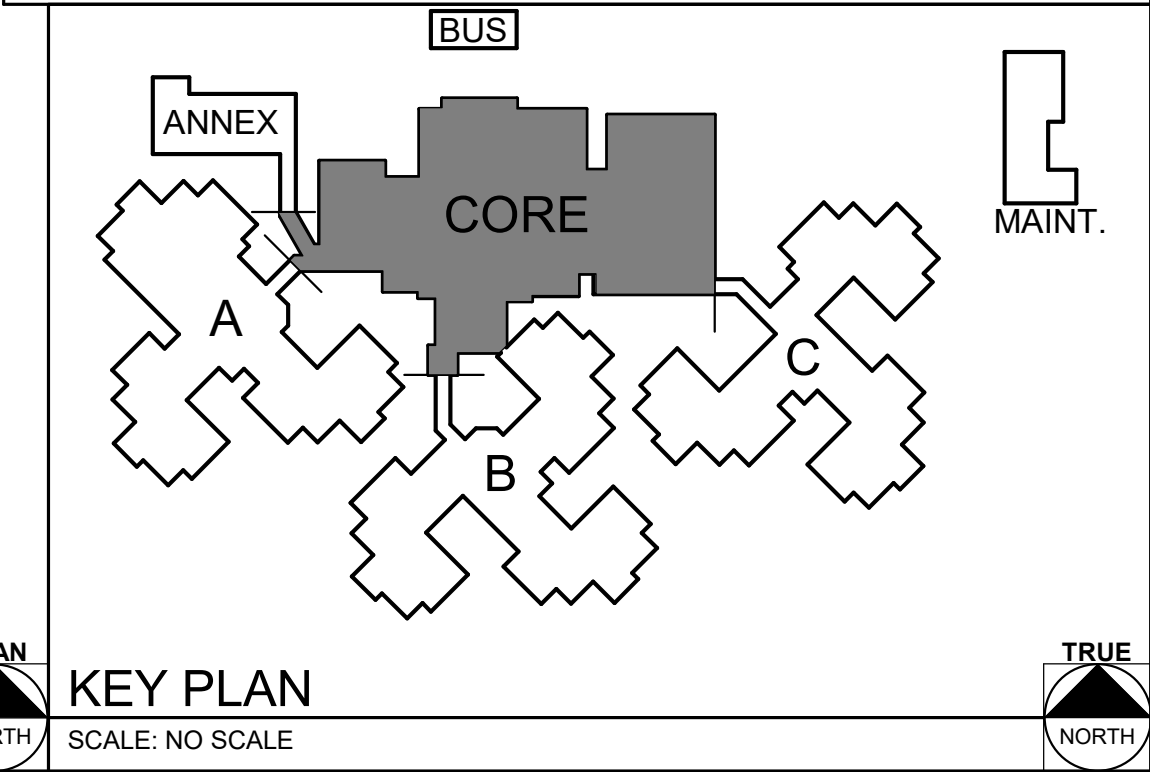


**1 ENLARGED DEMOLITION PLAN - CENTRAL CORE**  
Scale: 3/32" = 1'-0"

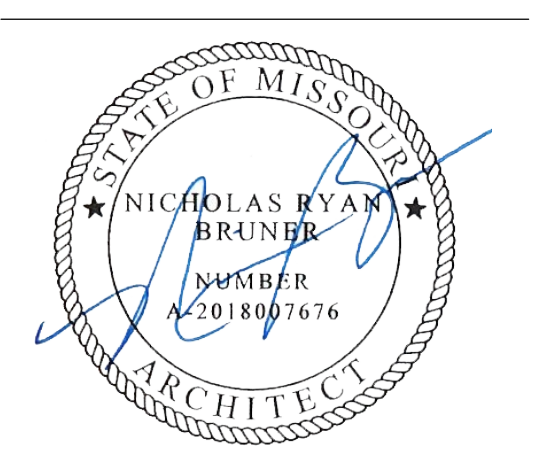
DEMOLITION KEYNOTES	
D01	EXISTING WALLS TO BE REMOVED TO THE EXTENTS SHOWN
D02	REMOVE EXISTING DOOR - EXISTING FRAME TO REMAIN
D03	EXISTING DOOR AND FRAME TO BE REMOVED
D04	EXISTING EXTERIOR WALL TO BE REMOVED; SEE STRUCT FOR FOOTING DEMO
D05	EXISTING COLUMN AND FOOTING TO BE REMOVED
D06	EXISTING SUNROOM TO BE REMOVED
D07	EXISTING FLOORING AND ADHESIVE TO BE REMOVED
D08	EXISTING CASEWORK TO BE REMOVED
D09	EXISTING INTERIOR HOLLOW METAL FRAME AND GLAZING TO BE REMOVED IN ITS ENTIRETY. FIELD VERIFY HEIGHTS AND EXTENTS.
D10	REMOVE EXISTING FAUX COLUMN ENCLOSURE. CONTRACTOR TO FIELD VERIFY ANY CONCEALED SUPPORTS FOR CEILING OR SOFFIT TO BE DEMOLISHED.
D12	EXISTING EXTERIOR WINDOW TO BE REMOVED AND INTERIOR LAMINATE WINDOW SILLS. REMOVE AND REINSTALL EXISTING WINDOW TREATMENT WHERE OCCURS. PROTECT OPENING TO RECIEVE NEW REPLACEMENT WINDOWS
D13	EXISTING ENTRY CANOPY AND TOWER TO BE REMOVED
D15	EXISTING GUTTERS AND DOWNSPOUTS TO BE REMOVED
D16	EXISTING COLUMN ENCLOSURE WALLS TO BE REMOVED
D17	EXISTING WOOD COLUMN TO REMAIN
D18	EXISTING STEEL COLUMN AND BEAM ABOVE TO BE REMOVED, SEE STRUCTURAL DRAWINGS. SHORE AND BRACE WOOD HEADER AND WALL ABOVE
D19	EXISTING CONCRETE SIDEWALKS TO BE REMOVED, SEE CIVIL DRAWINGS
D20	LINE OF ROOF ABOVE, SEE ROOF DEMO PLAN
D24	EXISTING TELEVISION AND ALL ASSOCIATED CABLING, BRACKETS, AND DEVICES TO BE REMOVED AND SALVAGED / RE-LOCATED PER EQUIPMENT SCHEDULE
D25	EXISTING EQUIPMENT TO BE REMOVED. COORDINATE WITH EQUIPMENT SCHEDULE FOR SALVAGED/RE-LOCATED EQUIPMENT.

DEMOLITION KEYNOTES	
D31	EXISTING FIRE EXTINGUISHER CABINET TO BE REMOVED FOR NEW WALL FINISHES, REINSTALL INTO NEW WALL CONFIGURATION
D33	REMOVE EXISTING WOOD PANELING FINISH ON PORTIONS OF WALL THAT ARE EXISTING TO REMAIN. PATCH WITH NEW GYP. BD. AS REQUIRED
D34	REMOVE EXISTING OVERHEAD SECURITY GRILL AND ALL ASSOCIATED HARDWARE AND SUPPORTS
D35	REMOVE EXISTING SIDING AND AIR BARRIER
D37	REMOVE HOOD VENT IN ITS ENTIRETY
D43	REMOVE GYPSUM BOARD WALL FINISH AS NEEDED TO INSTALL FT WOOD BLOCKING FOR NEW CASEWORK. COORDINATE WITH NEW CONSTRUCTION.
D44	REMOVE EXISTING COUNTER MOUNTED SINK
D45	RELOCATE EXISTING HAIR WASHING SINK TO NEW BARBER SHOP LOCATION. SEE NEW CONSTRUCTION.
D46	EXISTING BARBER SHOP EQUIPMENT TO BE SALVAGED AND RELOCATED TO NEW BARBER SHOP LOCATION.
D47	REMOVE BARBER SHOP WALL LIGHT FIXTURE AND ALL ASSOCIATED HARDWARE AND WIRING. RETURN FIXTURE TO OWNER.
D49	RELOCATE EXISTING WALL MOUNTED PAPER TOWEL DISPENSER AND SOAP DISPENSER. COORDINATE WITH NEW CONSTRUCTION PLANS FOR NEW LOCATION.
D50	TEMPORARILY RELOCATE EXISTING FISH TANK DURING CONSTRUCTION
D51	EXISTING ELECTRICAL TO BE SALVAGED FOR RELOCATION. CONTRACTOR TO MIRROR PANEL LOCATION IN NEW CONSTRUCTION.
D52	REMOVE GYPSUM BOARD WALL FINISH AS NEEDED TO INSTALL TILE BACKER BOARD FOR NEW TILE AND WOOD BLOCKING FOR NEW HANDRAIL. COORDINATE WITH NEW CONSTRUCTION.
D57	REMOVE EXISTING PERIMETER CHAIR RAIL, TYP. ALL WALLS
D58	REMOVE EXIST. CORNER GUARDS, TYP.
D60	EXISTING THREE COMPARTMENT SINK TO BE SALVAGED, STORED, AND REINSTALLED PER OWNER'S INSTRUCTION. PREPARE FLOOR AND ADJACENT SURFACES FOR NEW WORK.
D61	EXISTING DISHWASHER TO BE REMOVED, STORED, AND REINSTALLED IN ORIGINAL LOCATION AFTER ROOM HAS RECEIVED NEW FINISHES.
D62	REMOVE EXISTING ALUMINUM WINDOW SYSTEM IN ITS ENTIRETY

- ### DEMOLITION GENERAL NOTES
- A. EXISTING CONDITIONS INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE BUT HAS NOT BEEN FIELD VERIFIED.
- B. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION RELATED CONDITIONS PRIOR TO STARTING DEMOLITION OR NEW CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- C. EXISTING CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED - COORDINATE WITH NEW CONSTRUCTION.
- D. CONTRACTOR SHALL MAINTAIN THE BUILDING IN A WEATHERPROOF CONDITION AT ALL TIMES.
- E. PROJECTS SHALL REMAIN IN COMPLIANCE WITH ALL ASPECTS OF ALL GOVERNING CODES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, EXITING, FIRE ALARM SYSTEM(S) SMOKE/FIRE DETECTION SYSTEM(S) SPRINKLER SYSTEM(S).
- F. ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE SO REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE THE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY.
- G. DEMOLITION DRAWINGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE RESPONSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO ACCOMMODATE NEW WORK.
- H. THE OWNER WILL RETAIN ALL SALVAGE THAT IS OF VALUE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE OWNER WILL DIRECT THE CONTRACTOR AS TO THE LOCATION OF STORAGE AREA FOR VARIOUS ITEMS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING FROM THE BUILDING AND THE CONSTRUCTION SITE ALL CONSTRUCTION DEBRIS AND/OR ITEMS NOT RETAINED BY THE OWNER'S REPRESENTATIVE.
- I. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS WHICH WILL BE REUSED IN THIS PROJECT.
- J. TEMPORARY BARRICADES AS PERTAINING TO CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PERSONS IN AND ROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE WITH OWNER.
- K. EXISTING ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC. TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- L. PROTECT ALL FINISH ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION AND DEMOLITION.
- M. PRIOR TO DEMOLITION, ENSURE THE STABILITY OF ANY WALLS TO REMAIN.
- N. ALL AREAS TO BE DEMOLISHED OR DISTURBED BY ANY DEMOLITION ARE TO BE PATCHED AND PAINTED (OR PREPARED FOR OTHER SCHEDULED FINISH). IF PAINTING IS REQUIRED, ENTIRE WALL SHALL RECEIVE PAINT TO AVOID MISMATCH OF COLOR.
- O. ALL OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ETC. SHALL BE PROPERLY PATCHED AND CLOSED OFF TO MAINTAIN PROPER FIRE RATING IN AFFECTED WALL, FLOOR, OR ROOF. PREPARE PATCHED AREAS TO RECEIVE NEW FINISHES AS SCHEDULES (OR MATCH EXISTING FINISHES IF NOT OTHERWISE IDENTIFIED).
- P. WHEN PATCH OF EXISTING FLOOR IS REQUIRED, SLOPING OR RAMPING IN EXCESS OF CONTRACT TOLERANCES WILL NOT BE ALLOWED (1/8" PER 10 FEET MAXIMUM).
- Q. UPON REMOVAL OF TEMPORARY PARTITIONS, CONTRACTOR IS RESPONSIBLE FOR PATCHING TO MATCH EXISTING ADJACENT CONSTRUCTION.
- R. AT CONSTRUCTION ACCESS, CONTRACTOR TO PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.
- S. WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT
- T. WALLS TO BE REMOVED SHALL BE FROM FLOOR TO STRUCTURE ABOVE UNLESS OTHERWISE INDICATED AND SHALL INCLUDE ALL MECHANICAL, ELECTRICAL, ETC. PREPARE ALL DISTURBED AREAS FOR NEW CONSTRUCTION.
- U. WHERE REMOVAL OF A FINISHED CEILING IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE CONSTRUCTION. ALL ACoustICAL CEILINGS TO BE REMOVED SHALL INCLUDE RELATED SUPPORT SYSTEMS, CEILING TILES, LIGHT FIXTURES, GRILLES, DIFFUSERS, EXIT SIGNS, AND OTHER ELECTRICAL OR COMMUNICATION DEVICES.
- V. WHERE REMOVAL OF FLOOR COVERING AND/OR RESILIENT BASE IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE DEMOLITION. DEMOLITION INCLUDES REMOVAL OF ADHESIVES, GROUTING BEDS, ETC. AND REQUIRES REMAINING SURFACES TO BE PREPPED FOR NEW CONSTRUCTION.
- W. REMOVAL OF CERAMIC TILE AND GROUT BEDS FROM EXISTING WALLS AND FLOOR SHALL INCLUDE PREPARATION FOR NEW CONSTRUCTION.
- X. REMOVAL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, ETC. LINES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS.
- Y. REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS.
- Z. REMOVAL OF EXISTING ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING DEVICES, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE OUTLETS AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- AA. WHILE IT IS NOT EXPECTED, IF HAZARDOUS MATERIALS, SUCH AS ASBESTOS AND/OR LEAD PAINT, IS ENCOUNTERED ON THE PROJECT SITE, THE OWNER SHALL ENGAGE A TESTING COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE ABATEMENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABATEMENT CONTRACTOR.
- BB. TEMPORARY HEATING DURING CONSTRUCTION TO MAINTAIN 71-81 DEGREES.
- CC. IF ALT #3 IS NOT SELECTED, RESIDENT ROOM FINISHES, LIGHTING, AND CASEWORK REMAIN PART OF BASE BID.
- DD. REPLACE ALL EXISTING VINYL SIDING AND TRIMS WHERE OCCURS, AND REPLACE WITH NEW FIBER CEMENT SIDING AND TRIMS AS REQUIRED. COORDINATE WITH SPECIFICATIONS FOR PRODUCT INFORMATION



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JH

SHEET TITLE:  
**ENLARGED DEMO  
PLAN - CENTRAL  
CORE**

SHEET NUMBER:

**A-102**

SHEET 42 OF 197  
ISSUE DATE: 08/15/2024

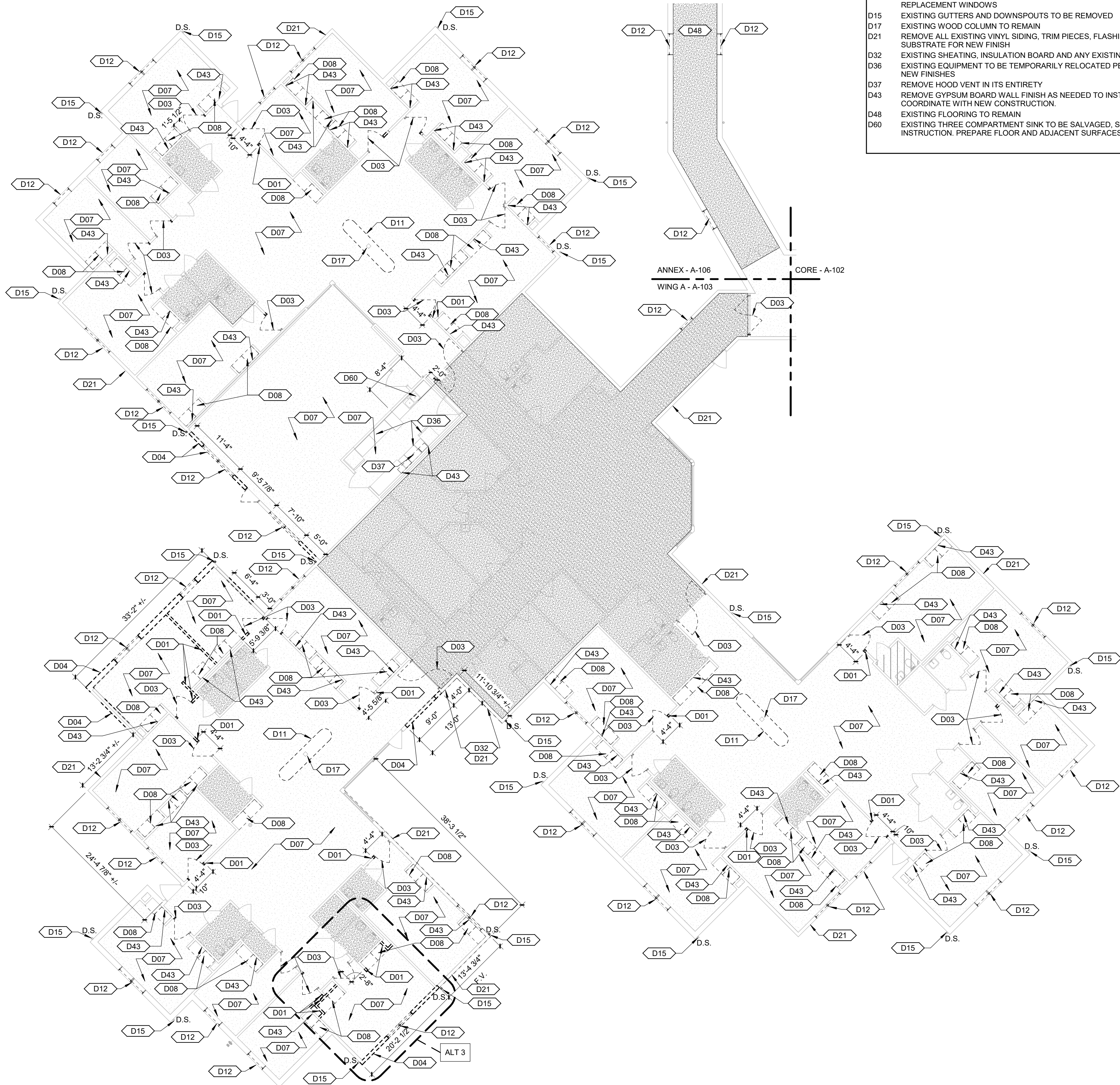


6/16/2024 2:40:31 PM

1

## ENLARGED DEMOLITION PLAN - WING A

Scale: 3/32" = 1'-0"



### DEMOLITION KEYNOTES

- D01 EXISTING WALLS TO BE REMOVED TO THE EXTENTS SHOWN  
D03 EXISTING DOOR AND FRAME TO BE REMOVED  
D04 EXISTING EXTERIOR WALL TO BE REMOVED. SEE STRUCT FOR FOOTING DEMO  
D07 EXISTING FLOORING AND ADHESIVE TO BE REMOVED  
D08 EXISTING CASEWORK TO BE REMOVED  
D11 EXISTING ISLAND WALLS AND COUNTER TOP TO BE REMOVED  
D12 EXISTING EXTERIOR WINDOW TO BE REMOVED AND INTERIOR LAMINATE WINDOW SILLS. REMOVE AND REINSTALL EXISTING WINDOW TREATMENT WHERE OCCURS. PROTECT OPENING TO RECIEVE NEW REPLACEMENT WINDOWS  
D15 EXISTING GUTTERS AND DOWNSPOUTS TO BE REMOVED  
D17 EXISTING WOOD COLUMN TO REMAIN  
D21 REMOVE ALL EXISTING VINYL SIDING, TRIM PIECES, FLASHING AND AIR BARRIER WHERE OCCURS AND PREP SUBSTRATE FOR NEW FINISH  
D32 EXISTING SHEATING, INSULATION BOARD AND ANY EXISTING FLASHING TO BE REMOVED.  
D36 EXISTING EQUIPMENT TO BE TEMPORARILY RELOCATED PER OWNER'S DESIGNATION FOR INSTALLATION OF NEW FINISHES  
D37 REMOVE WOOD VENT IN ITS ENTIRETY  
D43 REMOVE GYPSUM BOARD WALL FINISH AS NEEDED TO INSTALL FT WOOD BLOCKING FOR NEW CASEWORK. COORDINATE WITH NEW CONSTRUCTION.  
D48 EXISTING FLOORING TO REMAIN  
D60 EXISTING THREE COMPARTMENT SINK TO BE SALVAGED, STORED, AND REINSTALLED PER OWNER'S INSTRUCTION. PREPARE FLOOR AND ADJACENT SURFACES FOR NEW WORK.

### DEMOLITION GENERAL NOTES

- A. EXISTING CONDITIONS INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE BUT HAS NOT BEEN FIELD VERIFIED.
- B. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION RELATED CONDITIONS PRIOR TO STARTING DEMOLITION OR NEW CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- C. EXISTING CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED - COORDINATE WITH NEW CONSTRUCTION.
- D. CONTRACTOR SHALL MAINTAIN THE BUILDING IN A WEATHERPROOF CONDITION AT ALL TIMES.
- E. PROJECTS SHALL REMAIN IN COMPLIANCE WITH ALL ASPECTS OF ALL GOVERNING CODES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, EXITING, FIRE ALARM SYSTEM(S) SMOKE/FIRE DETECTION SYSTEM(S) SPRINKLER SYSTEM(S).
- F. ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE SO REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE THE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY.
- G. DEMOLITION DRAWINGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE RESPONSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO ACCOMMODATE NEW WORK.
- H. THE OWNER WILL RETAIN ALL SALVAGE THAT IS OF VALUE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE OWNER WILL DIRECT THE CONTRACTOR AS TO THE LOCATION OF STORAGE AREA FOR VARIOUS ITEMS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING FROM THE BUILDING AND THE CONSTRUCTION SITE ALL CONSTRUCTION DEBRIS AND/OR ITEMS NOT RETAINED BY THE OWNER'S REPRESENTATIVE.
- I. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS WHICH WILL BE REUSED IN THIS PROJECT.
- J. TEMPORARY BARRICADES AS PERTAINING TO CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PERSONS IN AND ROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE WITH OWNER.
- K. EXISTING ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC. TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- L. PROTECT ALL FINISH ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION AND DEMOLITION.
- M. PRIOR TO DEMOLITION, ENSURE THE STABILITY OF ANY WALLS TO REMAIN.
- N. ALL AREAS TO BE DEMOLISHED OR DISTURBED BY ANY DEMOLITION ARE TO BE PATCHED AND PAINTED (OR PREPARED FOR OTHER SCHEDULED FINISH). IF PAINTING IS REQUIRED, ENTIRE WALL SHALL RECEIVE PAINT TO AVOID MISMATCH OF COLOR.
- O. ALL OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ETC. SHALL BE PROPERLY PATCHED AND CLOSED OFF TO MAINTAIN PROPER FIRE RATING IN AFFECTED WALL, FLOOR, OR ROOF. PREPARE PATCHED AREAS TO RECEIVE NEW FINISHES AS SCHEDULES (OR MATCH EXISTING FINISHES IF NOT OTHERWISE IDENTIFIED).
- P. WHEN PATCH OF EXISTING FLOOR IS REQUIRED, SLOPING OR RAMPING IN EXCESS OF CONTRACT TOLERANCES WILL NOT BE ALLOWED (1/8" PER 10 FEET MAXIMUM).
- Q. UPON REMOVAL OF TEMPORARY PARTITIONS, CONTRACTOR IS RESPONSIBLE FOR PATCHING TO MATCH EXISTING ADJACENT CONSTRUCTION.
- R. AT CONSTRUCTION ACCESS, CONTRACTOR TO PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.
- S. WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT
- T. WALLS TO BE REMOVED SHALL BE FROM FLOOR TO STRUCTURE ABOVE UNLESS OTHERWISE INDICATED AND SHALL INCLUDE ALL MECHANICAL, ELECTRICAL, ETC. PREPARE ALL DISTURBED AREAS FOR NEW CONSTRUCTION.
- U. WHERE REMOVAL OF A FINISHED CEILING IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE CONSTRUCTION. ALL ACOUSTICAL CEILINGS TO BE REMOVED SHALL INCLUDE RELATED SUPPORT SYSTEMS, CEILING TILES, LIGHT FIXTURES, GRILLES, DIFFUSERS, EXIT SIGNS, AND OTHER ELECTRICAL OR COMMUNICATION DEVICES.
- V. WHERE REMOVAL OF FLOOR COVERING AND/OR RESILIENT BASE IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE DEMOLITION. DEMOLITION INCLUDES REMOVAL OF ADHESIVES, GROUTING BEDS, ETC. AND REQUIRES REMAINING SURFACES TO BE PREPPED FOR NEW CONSTRUCTION.
- W. REMOVAL OF CERAMIC TILE AND GROUT BEDS FROM EXISTING WALLS AND FLOOR SHALL INCLUDE PREPARATION FOR NEW CONSTRUCTION.
- X. REMOVAL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, ETC. LINES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS.
- Y. REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS.
- Z. REMOVAL OF EXISTING ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING DEVICES, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE OUTLETS AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- AA. WHILE IT IS NOT EXPECTED, IF HAZARDOUS MATERIALS, SUCH AS ASBESTOS AND/OR LEAD PAINT, IS ENCOUNTERED ON THE PROJECT SITE, THE OWNER SHALL ENGAGE A TESTING COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE ABATEMENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABATEMENT CONTRACTOR.
- BB. TEMPORARY HEATING DURING CONSTRUCTION TO MAINTAIN 71-81 DEGREES.
- CC. IF ALT #3 IS NOT SELECTED, RESIDENT ROOM FINISHES, LIGHTING, AND CASEWORK REMAIN PART OF BASE BID.
- DD. REPLACE ALL EXISTING VINYL SIDING AND TRIMS WHERE OCCURS, AND REPLACE WITH NEW FIBER CEMENT SIDING AND TRIMS AS REQUIRED. COORDINATE WITH SPECIFICATIONS FOR PRODUCT INFORMATION

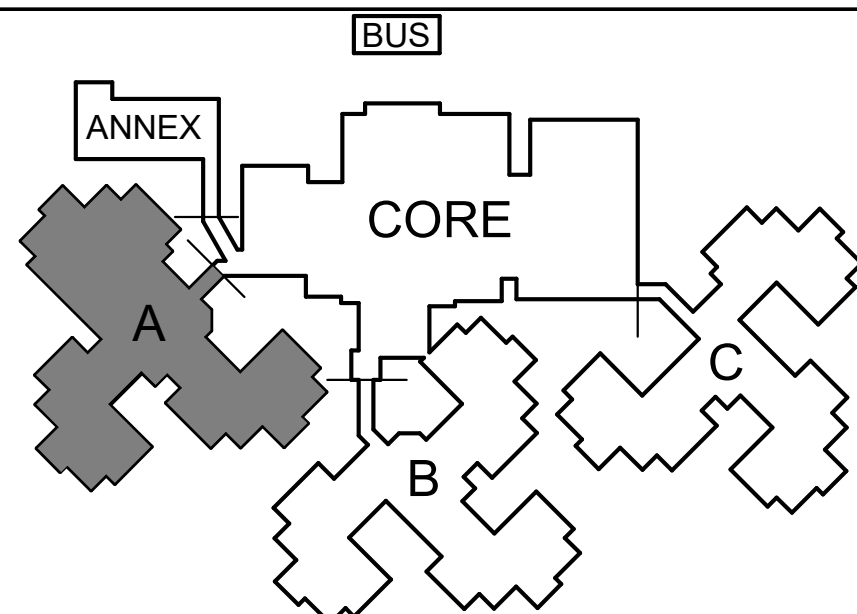
AREA NOT IN CONTRACT

0 4 8 16



### KEY PLAN

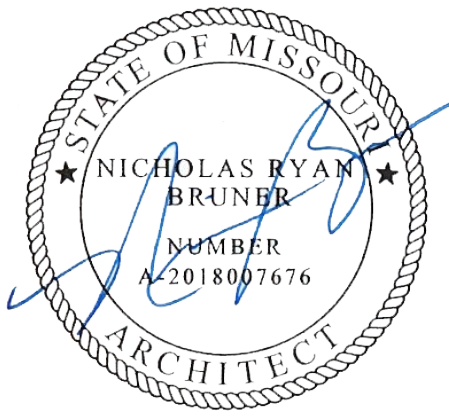
SCALE: NO SCALE



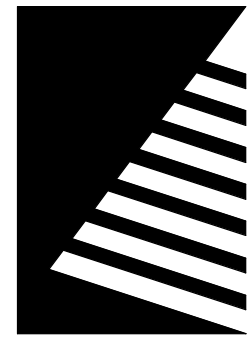
MAINT.



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JH

SHEET TITLE:

**ENLARGED DEMO  
PLAN - WING A**

SHEET NUMBER:

**A-103**

SHEET 43 OF 197  
ISSUE DATE: 08/15/2024



6/16/2024 2:40:06 PM

1

## ENLARGED DEMOLITION PLAN - WING B

Scale: 3/32" = 1'-0"

### DEMOLITION KEYNOTES

- D01 EXISTING WALLS TO BE REMOVED TO THE EXTENTS SHOWN  
D03 EXISTING DOOR AND FRAME TO BE REMOVED  
D04 EXISTING EXTERIOR WALL TO BE REMOVED; SEE STRUCT FOR FOOTING DEMO  
D07 EXISTING FLOORING AND ADHESIVE TO BE REMOVED  
D08 EXISTING CASEWORK TO BE REMOVED  
D11 EXISTING ISLAND WALLS AND COUNTER TOP TO BE REMOVED  
D12 EXISTING EXTERIOR WINDOW TO BE REMOVED AND INTERIOR LAMINATE WINDOW SILLS. REMOVE AND REINSTALL EXISTING WINDOW TREATMENT WHERE OCCURS. PROTECT OPENING TO RECIEVE NEW REPLACEMENT WINDOWS  
D15 EXISTING GUTTERS AND DOWNSPOUTS TO BE REMOVED  
D17 EXISTING WOOD COLUMN TO REMAIN  
D21 REMOVE ALL EXISTING VINYL SIDING, TRIM PIECES, FLASHING AND AIR BARRIER WHERE OCCURS AND PREP SUBSTRATE FOR NEW FINISH  
D32 EXISTING SHEATING, INSULATION BOARD AND ANY EXISTING FLASHING TO BE REMOVED.

### DEMOLITION GENERAL NOTES

- A. EXISTING CONDITIONS INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE BUT HAS NOT BEEN FIELD VERIFIED.
- B. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION RELATED CONDITIONS PRIOR TO STARTING DEMOLITION OR NEW CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- C. EXISTING CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED - COORDINATE WITH NEW CONSTRUCTION.
- D. CONTRACTOR SHALL MAINTAIN THE BUILDING IN A WEATHERPROOF CONDITION AT ALL TIMES.
- E. PROJECTS SHALL REMAIN IN COMPLIANCE WITH ALL ASPECTS OF ALL GOVERNING CODES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, EXITING, FIRE ALARM SYSTEM(S) SMOKE/FIRE DETECTION SYSTEM(S) SPRINKLER SYSTEM(S).
- F. ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE SO REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE THE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY.
- G. DEMOLITION DRAWINGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE RESPONSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO ACCOMMODATE NEW WORK.
- H. THE OWNER WILL RETAIN ALL SALVAGE THAT IS OF VALUE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE OWNER WILL DIRECT THE CONTRACTOR AS TO THE LOCATION OF STORAGE AREA FOR VARIOUS ITEMS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING FROM THE BUILDING AND THE CONSTRUCTION SITE ALL CONSTRUCTION DEBRIS AND/OR ITEMS NOT RETAINED BY THE OWNER'S REPRESENTATIVE.
- I. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS WHICH WILL BE REUSED IN THIS PROJECT.
- J. TEMPORARY BARRICADES AS PERTAINING TO CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PERSONS IN AND ROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE WITH OWNER.
- K. EXISTING ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC. TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- L. PROTECT ALL FINISH ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION AND DEMOLITION.
- M. PRIOR TO DEMOLITION, ENSURE THE STABILITY OF ANY WALLS TO REMAIN.
- N. ALL AREAS TO BE DEMOLISHED OR DISTURBED BY ANY DEMOLITION ARE TO BE PATCHED AND PAINTED (OR PREPARED FOR OTHER SCHEDULED FINISH). IF PAINTING IS REQUIRED, ENTIRE WALL SHALL RECEIVE PAINT TO AVOID MISMATCH OF COLOR.
- O. ALL OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ETC. SHALL BE PROPERLY PATCHED AND CLOSED OFF TO MAINTAIN PROPER FIRE RATING IN AFFECTED WALL, FLOOR, OR ROOF. PREPARE PATCHED AREAS TO RECEIVE NEW FINISHES AS SCHEDULES (OR MATCH EXISTING FINISHES IF NOT OTHERWISE IDENTIFIED).
- P. WHEN PATCH OF EXISTING FLOOR IS REQUIRED, SLOPING OR RAMPING IN EXCESS OF CONTRACT TOLERANCES WILL NOT BE ALLOWED (1/8" PER 10 FEET MAXIMUM).
- Q. UPON REMOVAL OF TEMPORARY PARTITIONS, CONTRACTOR IS RESPONSIBLE FOR PATCHING TO MATCH EXISTING ADJACENT CONSTRUCTION.
- R. AT CONSTRUCTION ACCESS, CONTRACTOR TO PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.
- S. WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT
- T. WALLS TO BE REMOVED SHALL BE FROM FLOOR TO STRUCTURE ABOVE UNLESS OTHERWISE INDICATED AND SHALL INCLUDE ALL MECHANICAL, ELECTRICAL, ETC. PREPARE ALL DISTURBED AREAS FOR NEW CONSTRUCTION.
- U. WHERE REMOVAL OF A FINISHED CEILING IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE CONSTRUCTION. ALL ACOUSTICAL CEILINGS TO BE REMOVED SHALL INCLUDE RELATED SUPPORT SYSTEMS, CEILING TILES, LIGHT FIXTURES, GRILLES, DIFFUSERS, EXIT SIGNS, AND OTHER ELECTRICAL OR COMMUNICATION DEVICES.
- V. WHERE REMOVAL OF FLOOR COVERING AND/OR RESILIENT BASE IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE DEMOLITION. DEMOLITION INCLUDES REMOVAL OF ADHESIVES, GROUTING BEDS, ETC. AND REQUIRES REMAINING SURFACES TO BE PREPPED FOR NEW CONSTRUCTION.
- W. REMOVAL OF CERAMIC TILE AND GROUT BEDS FROM EXISTING WALLS AND FLOOR SHALL INCLUDE PREPARATION FOR NEW CONSTRUCTION.
- X. REMOVAL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, ETC. LINES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS.
- Y. REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS.
- Z. REMOVAL OF EXISTING ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING DEVICES, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE OUTLETS AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- AA. WHILE IT IS NOT EXPECTED, IF HAZARDOUS MATERIALS, SUCH AS ASBESTOS AND/OR LEAD PAINT, IS ENCOUNTERED ON THE PROJECT SITE, THE OWNER SHALL ENGAGE A TESTING COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE ABATEMENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABATEMENT CONTRACTOR.
- BB. TEMPORARY HEATING DURING CONSTRUCTION TO MAINTAIN 71-81 DEGREES.
- CC. IF ALT #3 IS NOT SELECTED, RESIDENT ROOM FINISHES, LIGHTING, AND CASEWORK REMAIN PART OF BASE BID.
- DD. REPLACE ALL EXISTING VINYL SIDING AND TRIMS WHERE OCCURS, AND REPLACE WITH NEW FIBER CEMENT SIDING AND TRIMS AS REQUIRED. COORDINATE WITH SPECIFICATIONS FOR PRODUCT INFORMATION

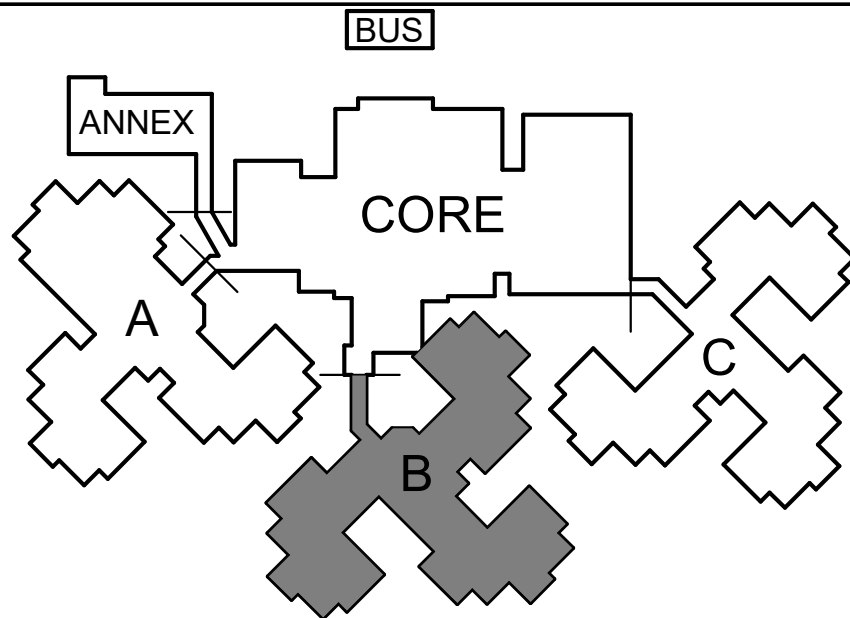
AREA NOT IN CONTRACT

0 4 8 16



### KEY PLAN

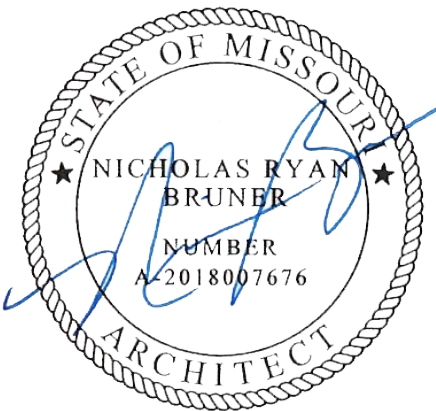
SCALE: NO SCALE



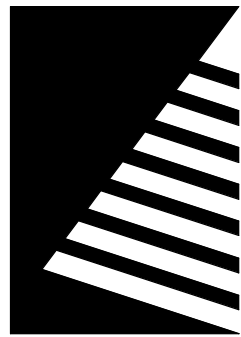
MAINT.



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JH

SHEET TITLE:

**ENLARGED DEMO  
PLAN - WING B**

SHEET NUMBER:

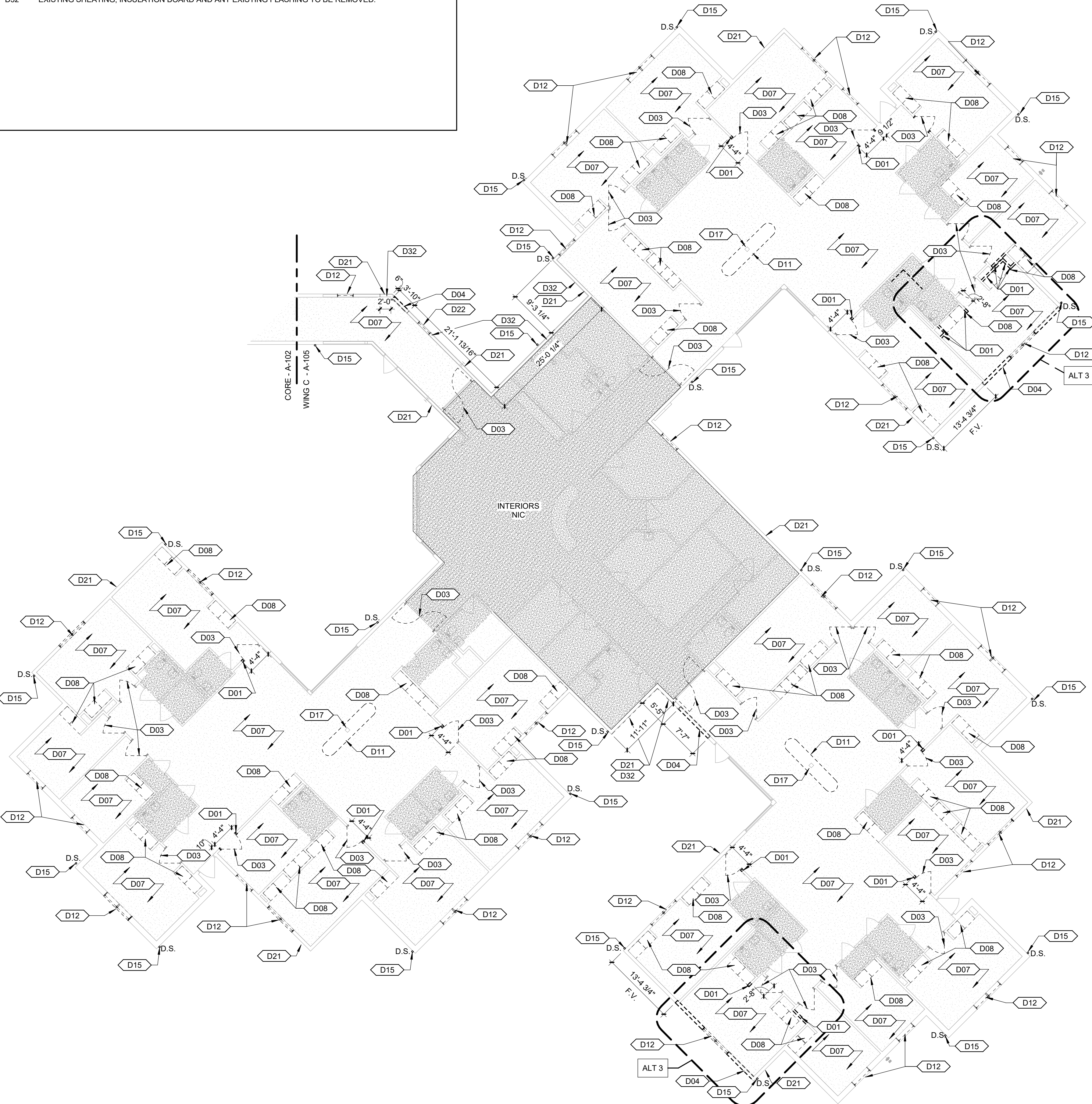
**A-104**

SHEET 44 OF 197  
ISSUE DATE: 08/15/2024



DEMOLITION KEYNOTES

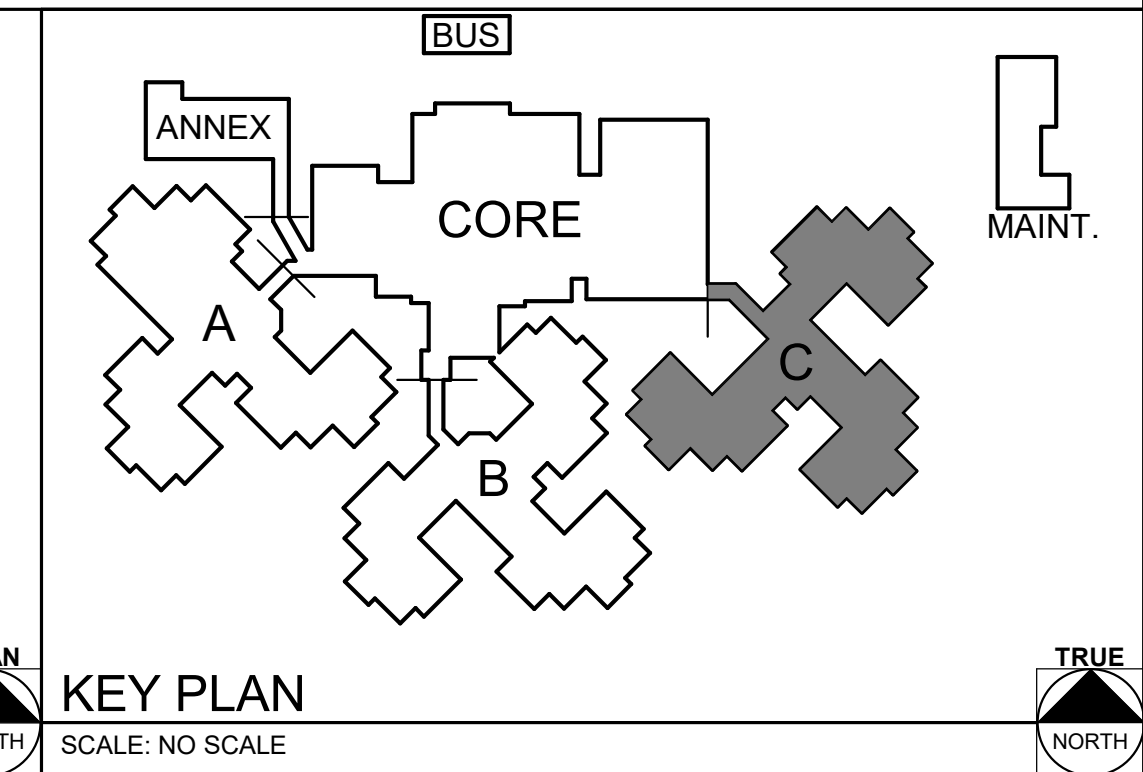
- D01 EXISTING WALLS TO BE REMOVED TO THE EXTENTS SHOWN  
D03 EXISTING DOOR AND FRAME TO BE REMOVED  
D04 EXISTING EXTERIOR WALL TO BE REMOVED; SEE STRUCT FOR FOOTING DEMO  
D07 EXISTING FLOORING AND ADHESIVE TO BE REMOVED  
D08 EXISTING CASEWORK TO BE REMOVED  
D11 EXISTING ISLAND WALLS AND COUNTER TOP TO BE REMOVED  
D12 EXISTING EXTERIOR WINDOW TO BE REMOVED AND INTERIOR LAMINATE WINDOW SILLS. REMOVE AND REINSTALL EXISTING WINDOW TREATMENT WHERE OCCURS. PROTECT OPENING TO RECIEVE NEW REPLACEMENT WINDOWS  
D15 EXISTING GUTTERS AND DOWNSPOUTS TO BE REMOVED  
D17 EXISTING WOOD COLUMN TO REMAIN  
D21 REMOVE ALL EXISTING VINYL SIDING, TRIM PIECES, FLASHING AND AIR BARRIER WHERE OCCURS AND PREP SUBSTRATE FOR NEW FINISH  
D22 EXISTING WINDOW TO BE REMOVED, INFILLED TO MATCH EXISTING  
D32 EXISTING SHEATING, INSULATION BOARD AND ANY EXISTING FLASHING TO BE REMOVED.



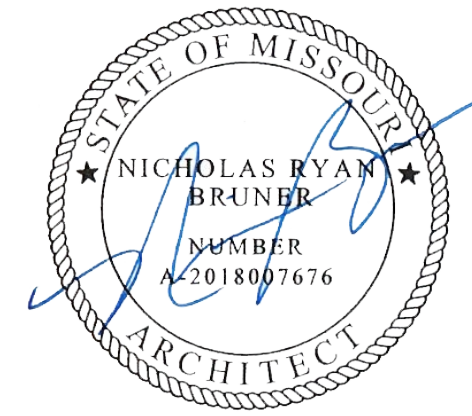
1 ENLARGED DEMOLITION PLAN - WING C  
Scale: 3/32" = 1'-0"

DEMOLITION GENERAL NOTES

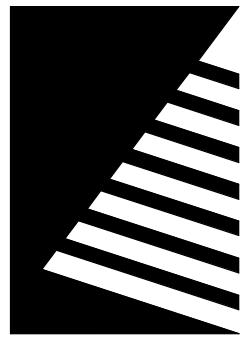
- A. EXISTING CONDITIONS INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE BUT HAS NOT BEEN FIELD VERIFIED.
- B. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION RELATED CONDITIONS PRIOR TO STARTING DEMOLITION OR NEW CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- C. EXISTING CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED – COORDINATE WITH NEW CONSTRUCTION.
- D. CONTRACTOR SHALL MAINTAIN THE BUILDING IN A WEATHERPROOF CONDITION AT ALL TIMES.
- E. PROJECTS SHALL REMAIN IN COMPLIANCE WITH ALL ASPECTS OF ALL GOVERNING CODES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, EXITING, FIRE ALARM SYSTEM(S) SMOKE/FIRE DETECTION SYSTEM(S) SPRINKLER SYSTEM(S).
- F. ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE SO REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE THE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY.
- G. DEMOLITION DRAWINGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE RESPONSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO ACCOMMODATE NEW WORK.
- H. THE OWNER WILL RETAIN ALL SALVAGE THAT IS OF VALUE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE OWNER WILL DIRECT THE CONTRACTOR AS TO THE LOCATION OF STORAGE AREA FOR VARIOUS ITEMS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING FROM THE BUILDING AND THE CONSTRUCTION SITE ALL CONSTRUCTION DEBRIS AND/OR ITEMS NOT RETAINED BY THE OWNER'S REPRESENTATIVE.
- I. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS WHICH WILL BE REUSED IN THIS PROJECT.
- J. TEMPORARY BARRICADES AS PERTAINING TO CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PERSONS IN AND ROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE WITH OWNER.
- K. EXISTING ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC. TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- L. PROTECT ALL FINISH ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION AND DEMOLITION.
- M. PRIOR TO DEMOLITION, ENSURE THE STABILITY OF ANY WALLS TO REMAIN.
- N. ALL AREAS TO BE DEMOLISHED OR DISTURBED BY ANY DEMOLITION ARE TO BE PATCHED AND PAINTED (OR PREPARED FOR OTHER SCHEDULED FINISH). IF PAINTING IS REQUIRED, ENTIRE WALL SHALL RECEIVE PAINT TO AVOID MISMATCH OF COLOR.
- O. ALL OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ETC. SHALL BE PROPERLY PATCHED AND CLOSED OFF TO MAINTAIN PROPER FIRE RATING IN AFFECTED WALL, FLOOR, OR ROOF. PREPARE PATCHED AREAS TO RECEIVE NEW FINISHES AS SCHEDULES (OR MATCH EXISTING FINISHES IF NOT OTHERWISE IDENTIFIED).
- P. WHEN PATCH OF EXISTING FLOOR IS REQUIRED, SLOPING OR RAMPING IN EXCESS OF CONTRACT TOLERANCES WILL NOT BE ALLOWED (1/8" PER 10 FEET MAXIMUM).
- Q. UPON REMOVAL OF TEMPORARY PARTITIONS, CONTRACTOR IS RESPONSIBLE FOR PATCHING TO MATCH EXISTING ADJACENT CONSTRUCTION.
- R. AT CONSTRUCTION ACCESS, CONTRACTOR TO PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.
- S. WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT
- T. WALLS TO BE REMOVED SHALL BE FROM FLOOR TO STRUCTURE ABOVE UNLESS OTHERWISE INDICATED AND SHALL INCLUDE ALL MECHANICAL, ELECTRICAL, ETC. PREPARE ALL DISTURBED AREAS FOR NEW CONSTRUCTION.
- U. WHERE REMOVAL OF A FINISHED CEILING IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE CONSTRUCTION. ALL ACOUSTICAL CEILINGS TO BE REMOVED SHALL INCLUDE RELATED SUPPORT SYSTEMS, CEILING TILES, LIGHT FIXTURES, GRILLES, DIFFUSERS, EXIT SIGNS, AND OTHER ELECTRICAL OR COMMUNICATION DEVICES.
- V. WHERE REMOVAL OF FLOOR COVERING AND/OR RESILIENT BASE IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE DEMOLITION. DEMOLITION INCLUDES REMOVAL OF ADHESIVES, GROUTING BEDS, ETC. AND REQUIRES REMAINING SURFACES TO BE PREPPED FOR NEW CONSTRUCTION.
- W. REMOVAL OF CERAMIC TILE AND GROUT BEDS FROM EXISTING WALLS AND FLOOR SHALL INCLUDE PREPARATION FOR NEW CONSTRUCTION.
- X. REMOVAL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, ETC. LINES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS.
- Y. REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS.
- Z. REMOVAL OF EXISTING ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING DEVICES, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE OUTLETS AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- AA. WHILE IT IS NOT EXPECTED, IF HAZARDOUS MATERIALS, SUCH AS ASBESTOS AND/OR LEAD PAINT, IS ENCOUNTERED ON THE PROJECT SITE, THE OWNER SHALL ENGAGE A TESTING COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE ABATEMENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABATEMENT CONTRACTOR.
- BB. TEMPORARY HEATING DURING CONSTRUCTION TO MAINTAIN 71-81 DEGREES.
- CC. IF ALT #3 IS NOT SELECTED, RESIDENT ROOM FINISHES, LIGHTING, AND CASEWORK REMAIN PART OF BASE BID.
- DD. REPLACE ALL EXISTING VINYL SIDING AND TRIMS WHERE OCCURS, AND REPLACE WITH NEW FIBER CEMENT SIDING AND TRIMS AS REQUIRED. COORDINATE WITH SPECIFICATIONS FOR PRODUCT INFORMATION



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:

ENLARGED DEMO  
PLAN - WING C

SHEET NUMBER:

A-105

SHEET 45 OF 197  
ISSUE DATE: 08/15/2024

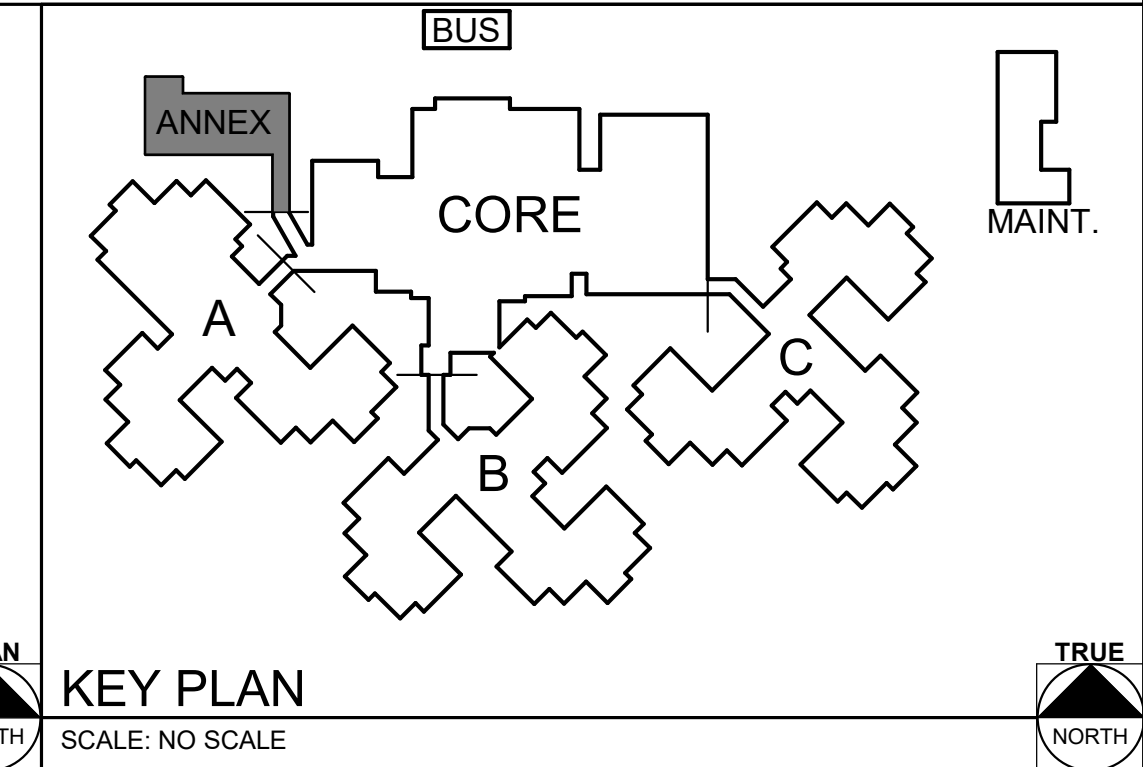
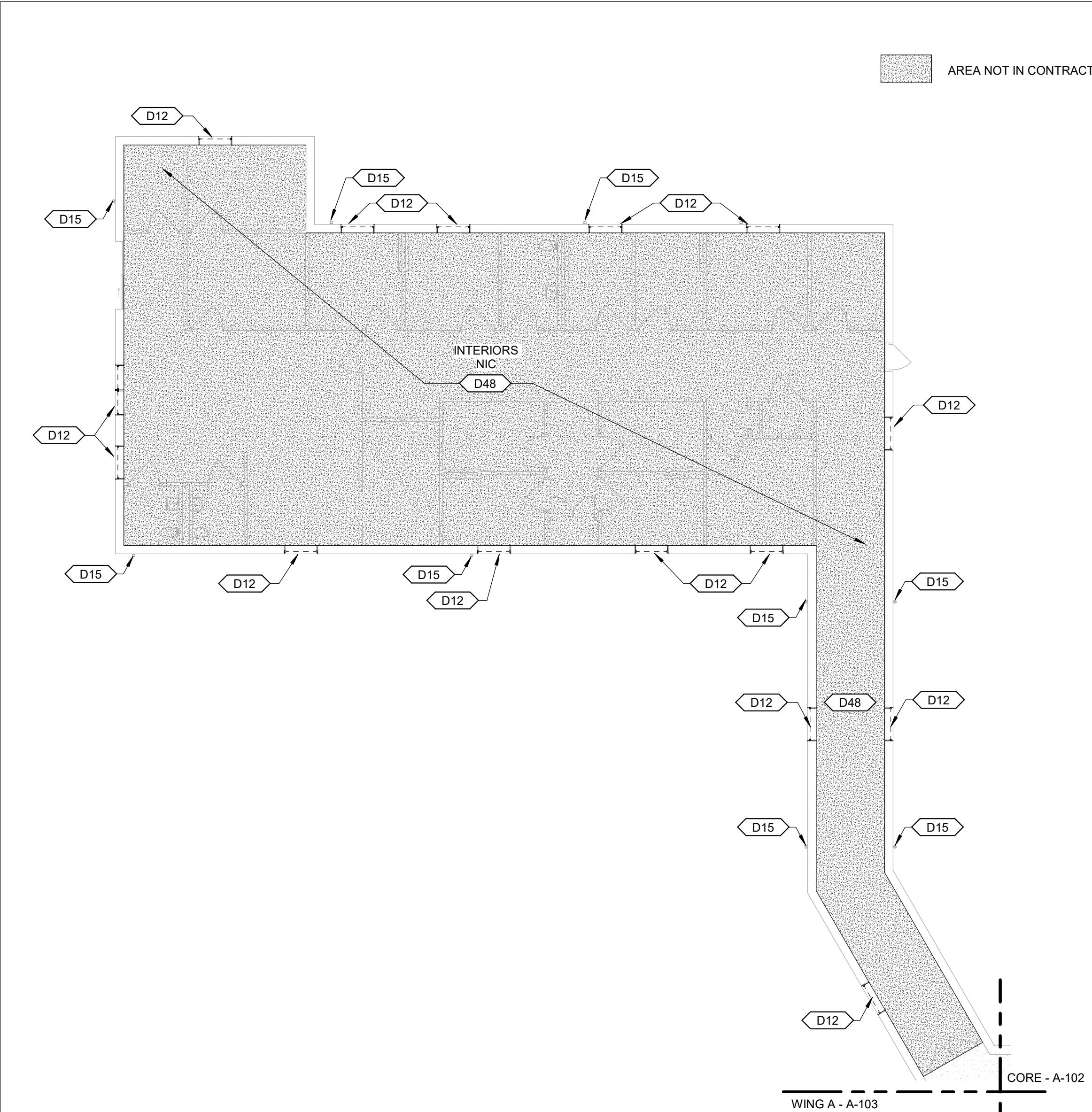


DEMOLITION KEYNOTES

- D12 EXISTING EXTERIOR WINDOW TO BE REMOVED AND INTERIOR LAMINATE WINDOW SILLS. REMOVE AND DISPOSE OF EXISTING WINDOW TREATMENT WHERE OCCURS. PROTECT OPENING TO RECIEVE NEW REPLACEMENT WINDOWS
- D15 EXISTING GUTTERS AND DOWNSPOUTS TO BE REMOVED
- D48 EXISTING FLOORING TO REMAIN

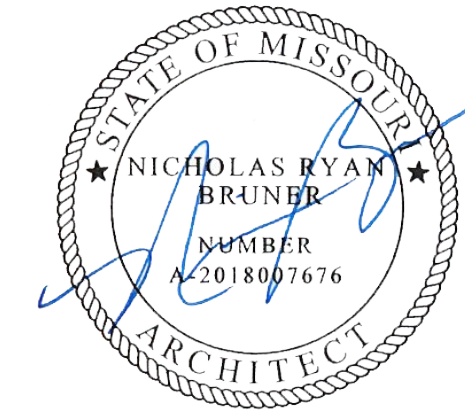
DEMOLITION GENERAL NOTES

- A. EXISTING CONDITIONS INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE BUT HAS NOT BEEN FIELD VERIFIED.
- B. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION RELATED CONDITIONS PRIOR TO STARTING DEMOLITION OR NEW CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- C. EXISTING CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED – COORDINATE WITH NEW CONSTRUCTION.
- D. CONTRACTOR SHALL MAINTAIN THE BUILDING IN A WEATHERPROOF CONDITION AT ALL TIMES.
- E. PROJECTS SHALL REMAIN IN COMPLIANCE WITH ALL ASPECTS OF ALL GOVERNING CODES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, EXITING, FIRE ALARM SYSTEM(S) SMOKE/FIRE DETECTION SYSTEM(S) SPRINKLER SYSTEM(S).
- F. ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE SO REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE THE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY.
- G. DEMOLITION DRAWINGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE RESPONSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO ACCOMMODATE NEW WORK.
- H. THE OWNER WILL RETAIN ALL SALVAGE THAT IS OF VALUE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE OWNER WILL DIRECT THE CONTRACTOR AS TO THE LOCATION OF STORAGE AREA FOR VARIOUS ITEMS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING FROM THE BUILDING AND THE CONSTRUCTION SITE ALL CONSTRUCTION DEBRIS AND/OR ITEMS NOT RETAINED BY THE OWNER'S REPRESENTATIVE.
- I. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS WHICH WILL BE REUSED IN THIS PROJECT.
- J. TEMPORARY BARRICADES AS PERTAINING TO CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PERSONS IN AND ROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE WITH OWNER.
- K. EXISTING ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC., TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- L. PROTECT ALL FINISH ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION AND DEMOLITION.
- M. PRIOR TO DEMOLITION, ENSURE THE STABILITY OF ANY WALLS TO REMAIN.
- N. ALL AREAS TO BE DEMOLISHED OR DISTURBED BY ANY DEMOLITION ARE TO BE PATCHED AND PAINTED (OR PREPARED FOR OTHER SCHEDULED FINISH). IF PAINTING IS REQUIRED, ENTIRE WALL SHALL RECEIVE PAINT TO AVOID MISMATCH OF COLOR.
- O. ALL OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ETC., SHALL BE PROPERLY PATCHED AND CLOSED OFF TO MAINTAIN PROPER FIRE RATING IN AFFECTED WALL, FLOOR, OR ROOF. PREPARE PATCHED AREAS TO RECEIVE NEW FINISHES AS SCHEDULES (OR MATCH EXISTING FINISHES IF NOT OTHERWISE IDENTIFIED).
- P. WHEN PATCH OF EXISTING FLOOR IS REQUIRED, SLOPING OR RAMPING IN EXCESS OF CONTRACT TOLERANCES WILL NOT BE ALLOWED (1/8" PER 10 FEET MAXIMUM).
- Q. UPON REMOVAL OF TEMPORARY PARTITIONS, CONTRACTOR IS RESPONSIBLE FOR PATCHING TO MATCH EXISTING ADJACENT CONSTRUCTION.
- R. AT CONSTRUCTION ACCESS, CONTRACTOR TO PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.
- S. WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT
- T. WALLS TO BE REMOVED SHALL BE FROM FLOOR TO STRUCTURE ABOVE UNLESS OTHERWISE INDICATED AND SHALL INCLUDE ALL MECHANICAL, ELECTRICAL, ETC. PREPARE ALL DISTURBED AREAS FOR NEW CONSTRUCTION.
- U. WHERE REMOVAL OF A FINISHED CEILING IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE CONSTRUCTION. ALL ACOUSTICAL CEILINGS TO BE REMOVED SHALL INCLUDE RELATED SUPPORT SYSTEMS, CEILING TILES, LIGHT FIXTURES, GRILLES, DIFFUSERS, EXIT SIGNS, AND OTHER ELECTRICAL OR COMMUNICATION DEVICES.
- V. WHERE REMOVAL OF FLOOR COVERING AND/OR RESILIENT BASE IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE DEMOLITION. DEMOLITION INCLUDES REMOVAL OF ADHESIVES, GROUTING BEDS, ETC. AND REQUIRES REMAINING SURFACES TO BE PREPPED FOR NEW CONSTRUCTION.
- W. REMOVAL OF CERAMIC TILE AND GROUT BEDS FROM EXISTING WALLS AND FLOOR SHALL INCLUDE PREPARATION FOR NEW CONSTRUCTION.
- X. REMOVAL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, ETC. LINES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS.
- Y. REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS.
- Z. REMOVAL OF EXISTING ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING DEVICES, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE OUTLETS AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- AA. WHILE IT IS NOT EXPECTED, IF HAZARDOUS MATERIALS, SUCH AS ASBESTOS AND/OR LEAD PAINT, IS ENCOUNTERED ON THE PROJECT SITE, THE OWNER SHALL ENGAGE A TESTING COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE ABATEMENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABATEMENT CONTRACTOR.
- BB. TEMPORARY HEATING DURING CONSTRUCTION TO MAINTAIN 71-81 DEGREES.
- CC. IF ALT #3 IS NOT SELECTED, RESIDENT ROOM FINISHES, LIGHTING, AND CASEWORK REMAIN PART OF BASE BID.
- DD. REPLACE ALL EXISTING VINYL SIDING AND TRIMS WHERE OCCURS, AND REPLACE WITH NEW FIBER CEMENT SIDING AND TRIMS AS REQUIRED. COORDINATE WITH SPECIFICATIONS FOR PRODUCT INFORMATION

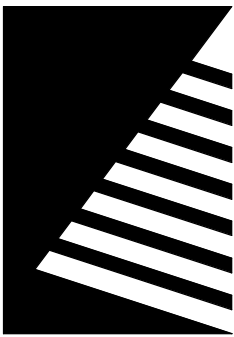


1 ENLARGED DEMOLITION PLAN - ANNEX  
Scale: 3/32" = 1'-0"

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:

ENLARGED DEMO  
PLAN - ANNEX

SHEET NUMBER:

A-106

SHEET 46 OF 197  
ISSUE DATE: 08/15/2024



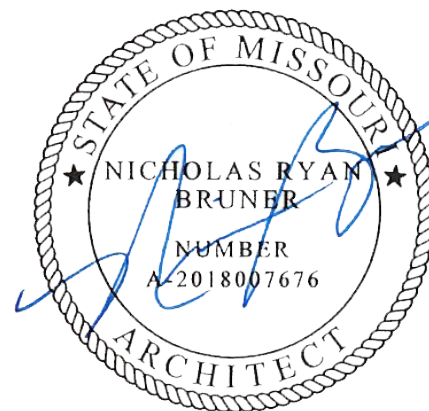
DEMOLITION KEYNOTES

- D06 EXISTING SUNROOM TO BE REMOVED
- D13 EXISTING ENTRY CANOPY AND TOWER TO BE REMOVED
- D14 EXISTING DORMER ROOF, WALLS & WINDOWS TO BE REMOVED. PROTECT OPENINGS FOR WEATHER TIGHT CONSTRUCTION
- D15 EXISTING GUTTERS AND DOWNSPOUTS TO BE REMOVED
- D27 EXISTING PORTION OF ROOF SHEATHING TO BE REMOVED FOR NEW ADDITION ROOF FRAMING "TIE IN"
- D28 EXISTING SHINGLES TO BE REMOVED DOWN TO PLYWOOD AT NEW ROOF OVERFRAMING LOCATIONS. SEE ROOF PLAN FOR NEW WORK
- D29 EXISTING ROOF TRUSSES TO BE REMOVED FOR NEW ROOF TRUSS LAYOUT. SEE NEW WORK FOR EXTENTS OF DEMOLITION
- D55 EXISTING SHINGLES, SHEATHING, AND STRUCTURE TO BE REMOVED. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION

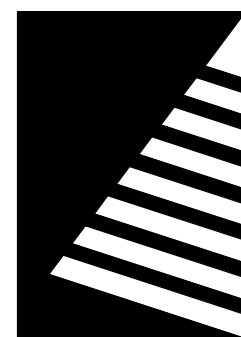
NOTE:

ALL EXISTING ROOF ASSEMBLIES TO REMAIN UNLESS OTHERWISE NOTED.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
ASSET #: 8136803002  
FAI #: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JHJ

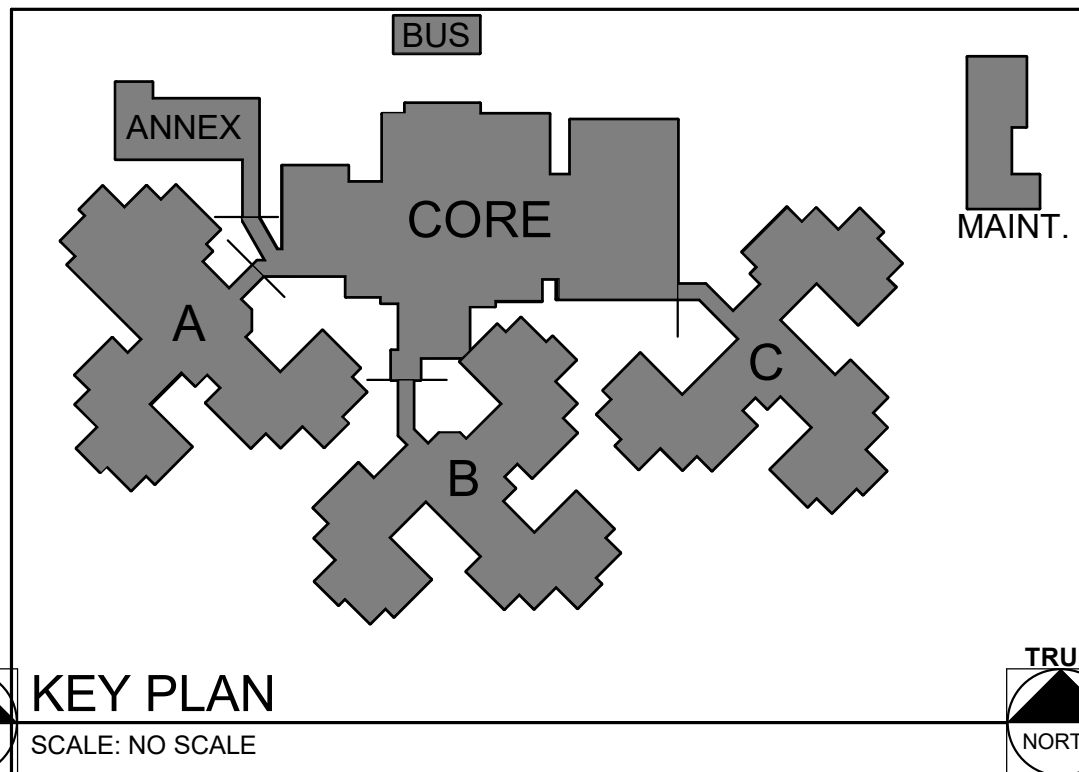
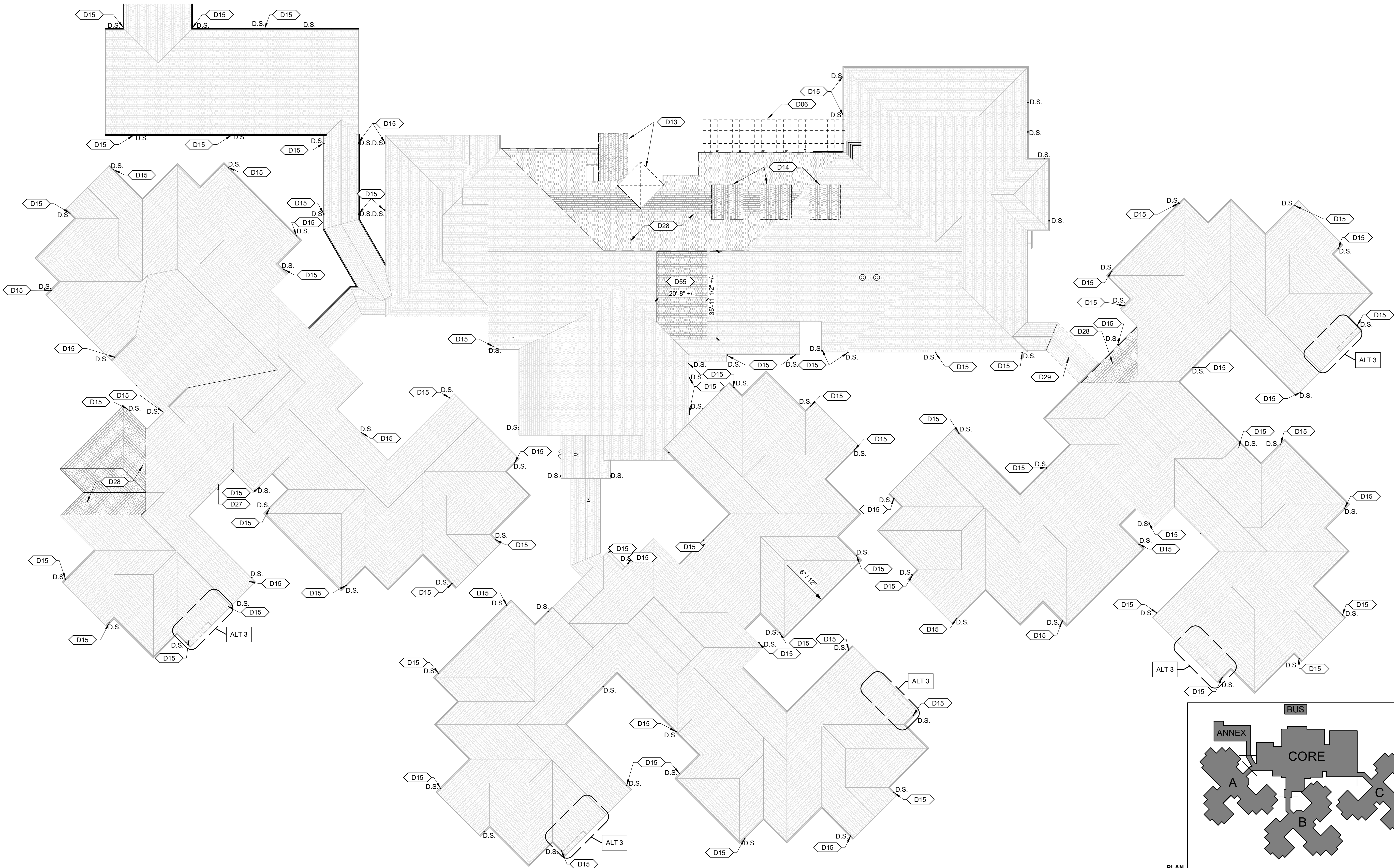
SHEET TITLE:

**ROOF DEMO PLAN**

SHEET NUMBER:

**A-107**

SHEET 47 OF 197  
ISSUE DATE: 08/15/2024



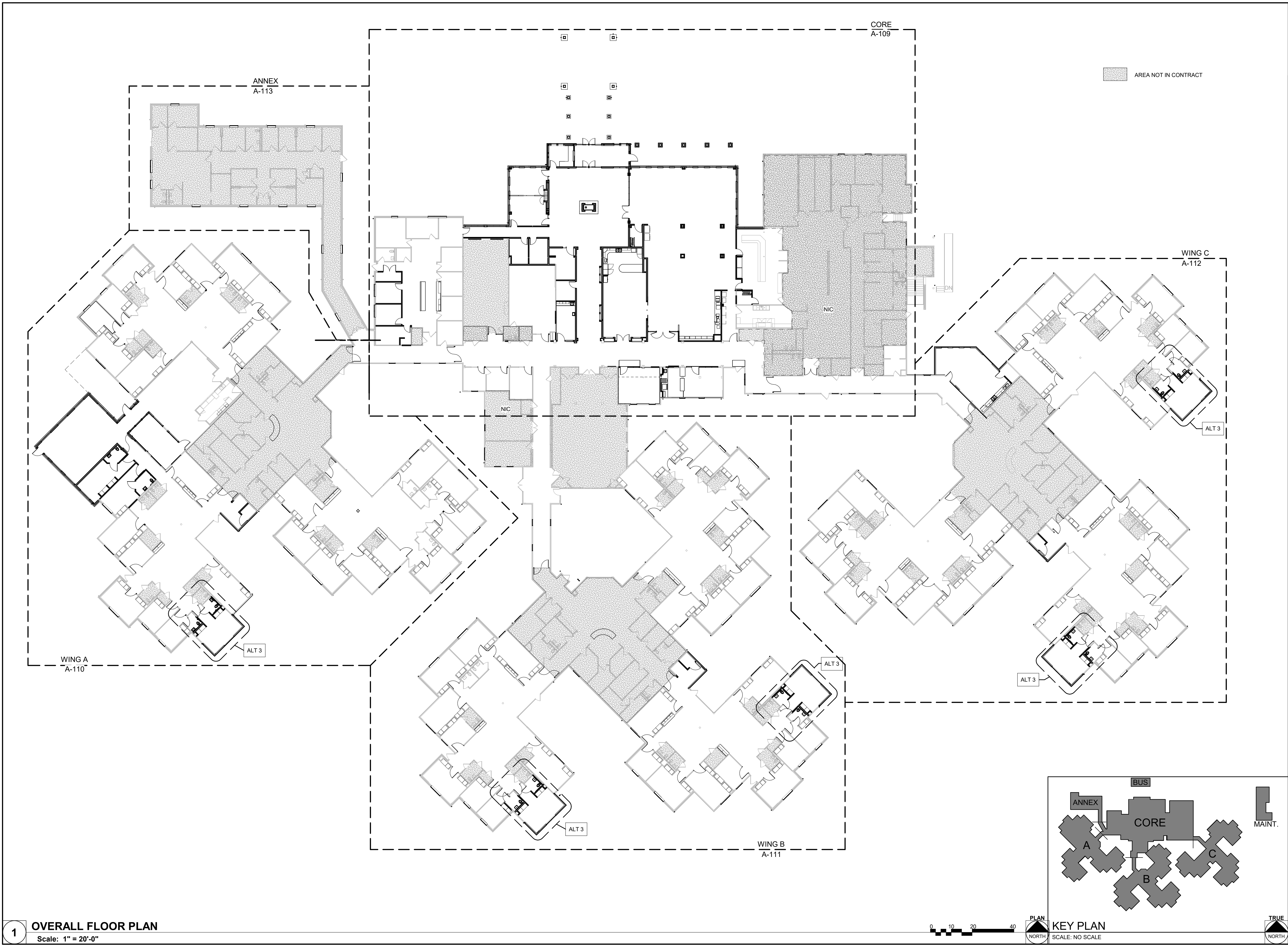
8/15/2024 10:28:21 AM

1

ROOF DEMO PLAN

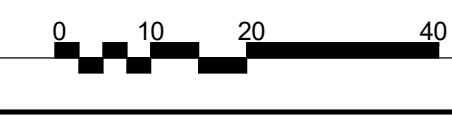
Scale: 1" = 20'-0"



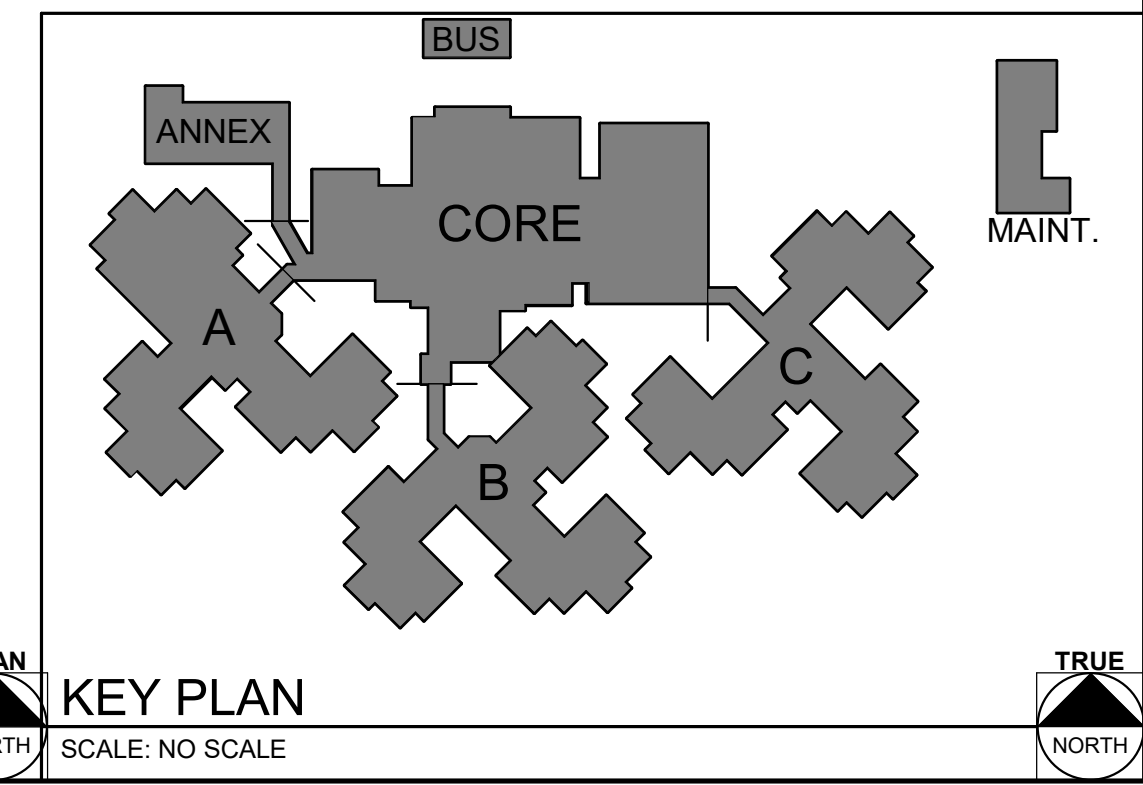


8/15/2024 10:20:14 AM

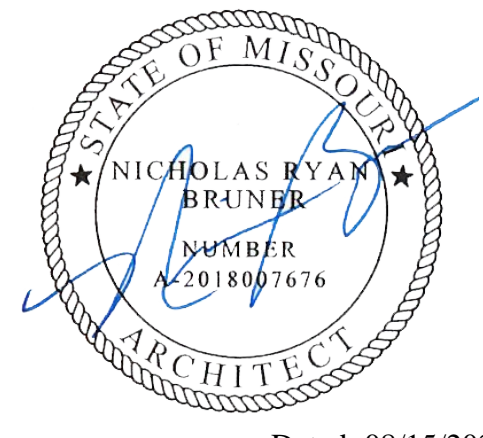
**1 OVERALL FLOOR PLAN**  
Scale: 1" = 20'-0"



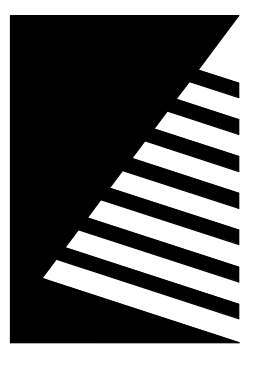
**KEY PLAN**  
SCALE: NO SCALE



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth GROUP**

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #:	U1805-01
SITE #:	6803
ASSET #:	8136803002
FAI #:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: SLV  
CHECKED BY: NRB  
DESIGNED BY: JJH

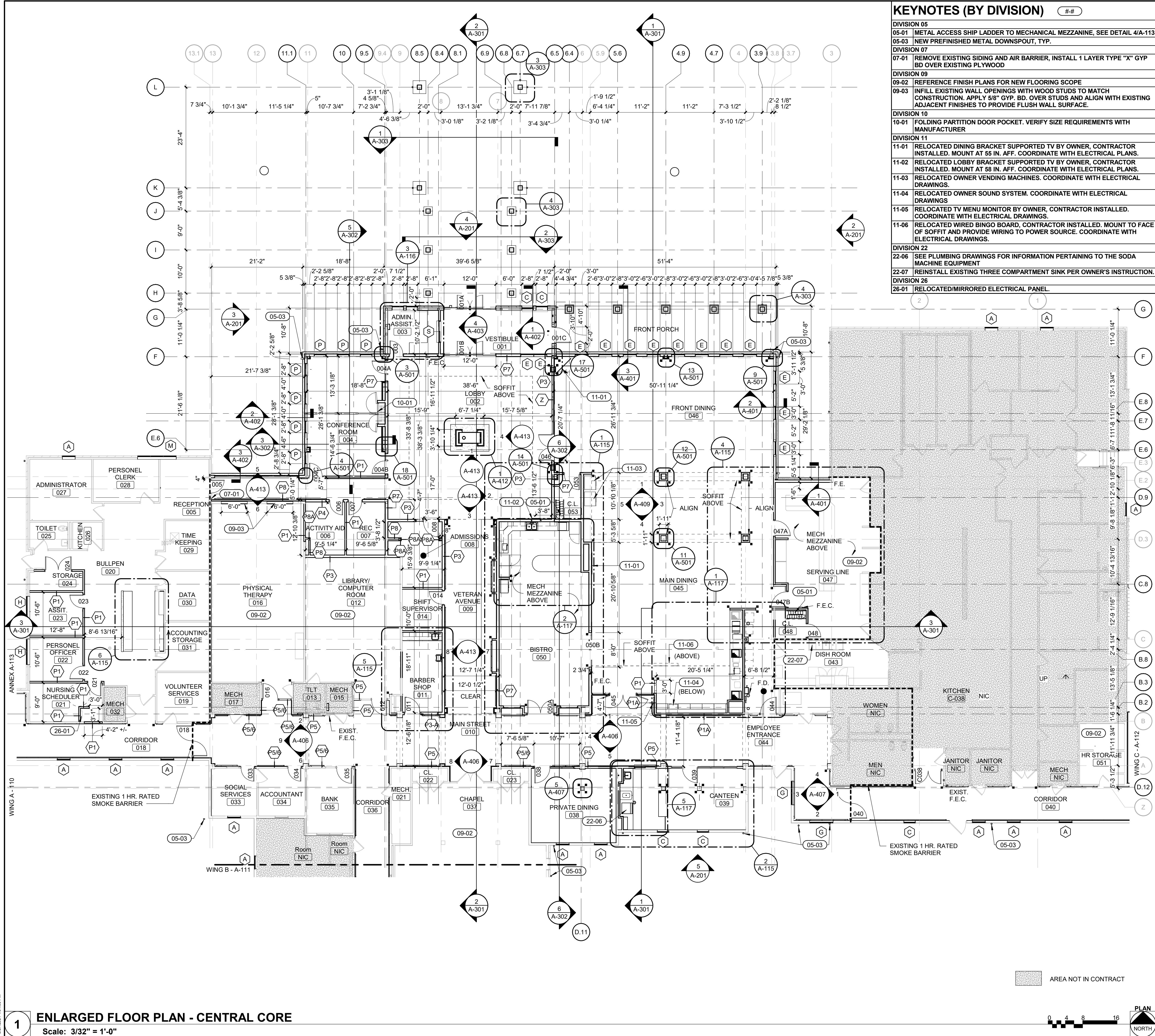
SHEET TITLE:  
**OVERALL FLOOR  
PLAN**

SHEET NUMBER:

**A-108**

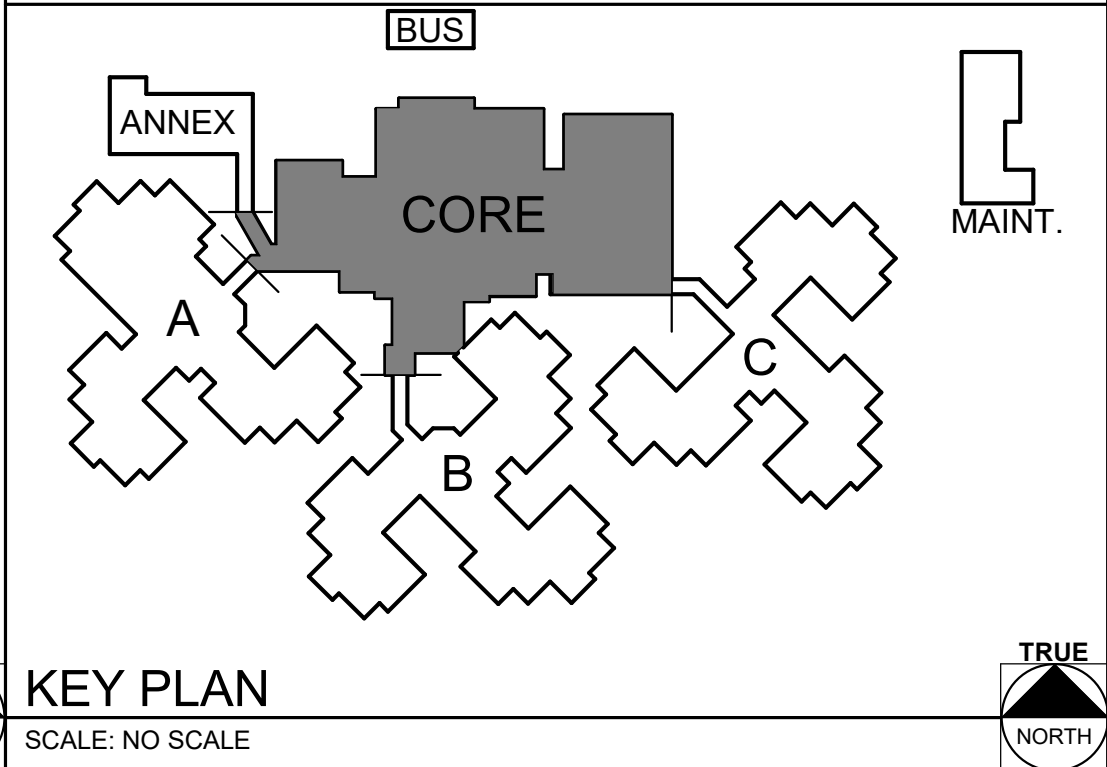
SHEET 48 OF 197  
ISSUE DATE: 08/15/2024






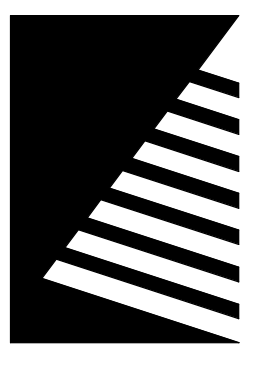
KEYNOTES (BY DIVISION)		#
DIVISION 05	05-01	METAL ACCESS SHIP LADDER TO MECHANICAL MEZZANINE, SEE DETAIL 4/A-113
DIVISION 07	07-01	REMOVE EXISTING SIDING AND AIR BARRIER, INSTALL 1 LAYER TYPE "X" GYP BD OVER EXISTING PLYWOOD
DIVISION 09	09-02	REFERENCE FINISH PLANS FOR NEW FLOORING SCOPE
DIVISION 10	10-01	FOLDING PARTITION DOOR POCKET. VERIFY SIZE REQUIREMENTS WITH MANUFACTURER
DIVISION 11	11-01	RELOCATED DINING BRACKET SUPPORTED TV BY OWNER, CONTRACTOR INSTALLED. MOUNT AT 55 IN. AFF. COORDINATE WITH ELECTRICAL PLANS.
DIVISION 11	11-02	RELOCATED LOBBY BRACKET SUPPORTED TV BY OWNER, CONTRACTOR INSTALLED. MOUNT AT 58 IN. AFF. COORDINATE WITH ELECTRICAL PLANS.
DIVISION 11	11-03	RELOCATED OWNER VENDING MACHINES. COORDINATE WITH ELECTRICAL DRAWINGS.
DIVISION 11	11-04	RELOCATED OWNER SOUND SYSTEM. COORDINATE WITH ELECTRICAL DRAWINGS.
DIVISION 11	11-05	RELOCATED TV MENU MONITOR BY OWNER, CONTRACTOR INSTALLED. COORDINATE WITH ELECTRICAL DRAWINGS.
DIVISION 11	11-06	RELOCATED WIRED BINGO BOARD, CONTRACTOR INSTALLED. MOUNT TO FACE OF SOFFIT AND PROVIDE WIRING TO POWER SOURCE. COORDINATE WITH ELECTRICAL DRAWINGS.
DIVISION 22	22-06	SEE PLUMBING DRAWINGS FOR INFORMATION PERTAINING TO THE SODA MACHINE EQUIPMENT
DIVISION 26	26-01	REINSTALL EXISTING THREE COMPARTMENT SINK PER OWNER'S INSTRUCTION.
DIVISION 26	26-01	RELOCATED/MIRRORED ELECTRICAL PANEL.

- ### PLAN GENERAL NOTES
- A. SEE A-001 FOR PARTITION TYPES.
- B. DIMENSIONS ARE SHOWN TO FACE OF STRUCTURE (WALL STUD, CMU AND/OR CONCRETE) UNLESS NOTED OTHERWISE. DIMENSIONS TO EXISTING CONSTRUCTION ARE SHOWN TO FINISH FACE OF WALL.
- C. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
- D. USE GYP BOARD TYPE "MR" AT ALL WET LOCATIONS. STOP BOARD AT 1/2" ABOVE FLOOR LINE.
- E. SEE LIFE SAFETY PLANS G-003 FOR LOCATION OF RATED PARTITIONS AND SEPARATION INFORMATION.
- F. INSTALL ALL DOORS WITH MINIMUM 18 INCHES CLEAR FROM INSIDE FACE OF LATCH SIDE OF JAMB TO FINISH FACE OF WALL ON PULL SIDE OF DOOR, AND MINIMUM 12" ON OPPOSITE SIDE.
- G. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO PROVIDE COMPLETE WORKING SYSTEMS FOR ALL NEW ELEMENTS.
- H. ALL CONTRACTORS SHALL PROVIDE NEW, UNDAMAGED MATERIALS UNLESS OTHERWISE SPECIFIED.
- I. STORE MATERIALS IN SUCH A MANNER AS NOT TO OVERSTRESS, OVERLOAD, OR OTHERWISE PUT AN UNSAFE LOAD ON ANY STRUCTURE DURING CONSTRUCTION.
- J. INSTALL ALL WORK IN ACCORDANCE WITH CURRENT APPLICABLE CODES, PUBLISHED STANDARDS, AND ACCEPTABLE CONSTRUCTION STANDARDS.
- K. ALL NEW WORK SHALL BE PLUMB AND LEVEL UNLESS OTHERWISE NOTED.
- L. ALL FIRE RESISTANT CONSTRUCTION SHALL EXTEND TO STRUCTURE ABOVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXTENDING PARTITIONS AROUND EQUIPMENT CABINETS AND OTHER ITEMS WHICH PENETRATE THESE PARTITIONS, AND SHALL BE RESPONSIBLE FOR FILLING ALL VOIDS IN PARTITIONS ABOVE CEILING, IN ORDER TO MAINTAIN DESIGNATED FIRE RESISTANCE.
- M. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF.
- N. EACH CONTRACTOR SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES.
- O. DO NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS. IF A REQUIRED DIMENSION IS NOT INDICATED, CONTACT THE ARCHITECT FOR DETERMINATION.
- P. DETAILS ARE GENERALLY TYPICAL AND ARE NOT TO BE CONSTRUED AS LIMITED TO THOSE AREAS SPECIFICALLY INDICATED. REVIEW ANY QUESTIONS OR CONFLICTING INFORMATION WITH THE ARCHITECT PRIOR TO INSTALLATION.
- Q. THE CONTRACTOR SHALL NOT CUT STRUCTURAL MEMBERS/ELEMENTS IN A MANNER RESULTING IN A REDUCTION OF LOAD CARRYING CAPACITY OR LOAD/DEFLECTION RATIO.
- R. REFER TO STRUCTURAL DRAWINGS FOR FRAMING INFORMATION AND FRAMING DIMENSIONS.
- S. HINGE SIDE OF DOOR JAMBS TO BE LOCATED 4" FROM NEAREST WALL INTERSECTION UNLESS OTHERWISE NOTED.
- T. ALL APPLIANCES ARE TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED OR SHOWN. VERIFY ALL APPLIANCE DIMENSIONS PRIOR TO FINAL MILLWORK CONSTRUCTION.
- U. PAINT ALL STEEL DOORS, DOOR FRAMES, INTERIOR BORROW LITE FRAMES, LINTELS AND OTHER EXPOSED METAL ITEMS UNLESS OTHERWISE NOTED OR SHOWN.
- V. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.
- W. EXISTING CONDITION INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. ALL EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE ONLY AND HAS NOT BEEN FIELD VERIFIED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY NEW WORK AND SHALL BRING AND DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO DEMOLITION AND CONSTRUCTION.
- X. PROVIDE TEMPORARY BRACING OF EQUIPMENT, MATERIALS OR OTHER DEVICES AS REQUIRED DURING AND AFTER DEMOLITION UNTIL NEW CONSTRUCTION IS COMPLETE.
- Y. REPLACE ALL EXISTING VINYL SIDING AND TRIMS WHERE OCCURS ON EXTERIOR AND REPLACE WITH NEW FIBER CEMENT SIDING, TRIMS, AND SOFFITS AS REQUIRED. COORDINATE WITH NEW CONSTRUCTION, AND VERIFY EXTENTS OF WORK IN FIELD.



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR

  
Dated: 08/15/2024

  
**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043  
# DATE: DESCRIPTION:

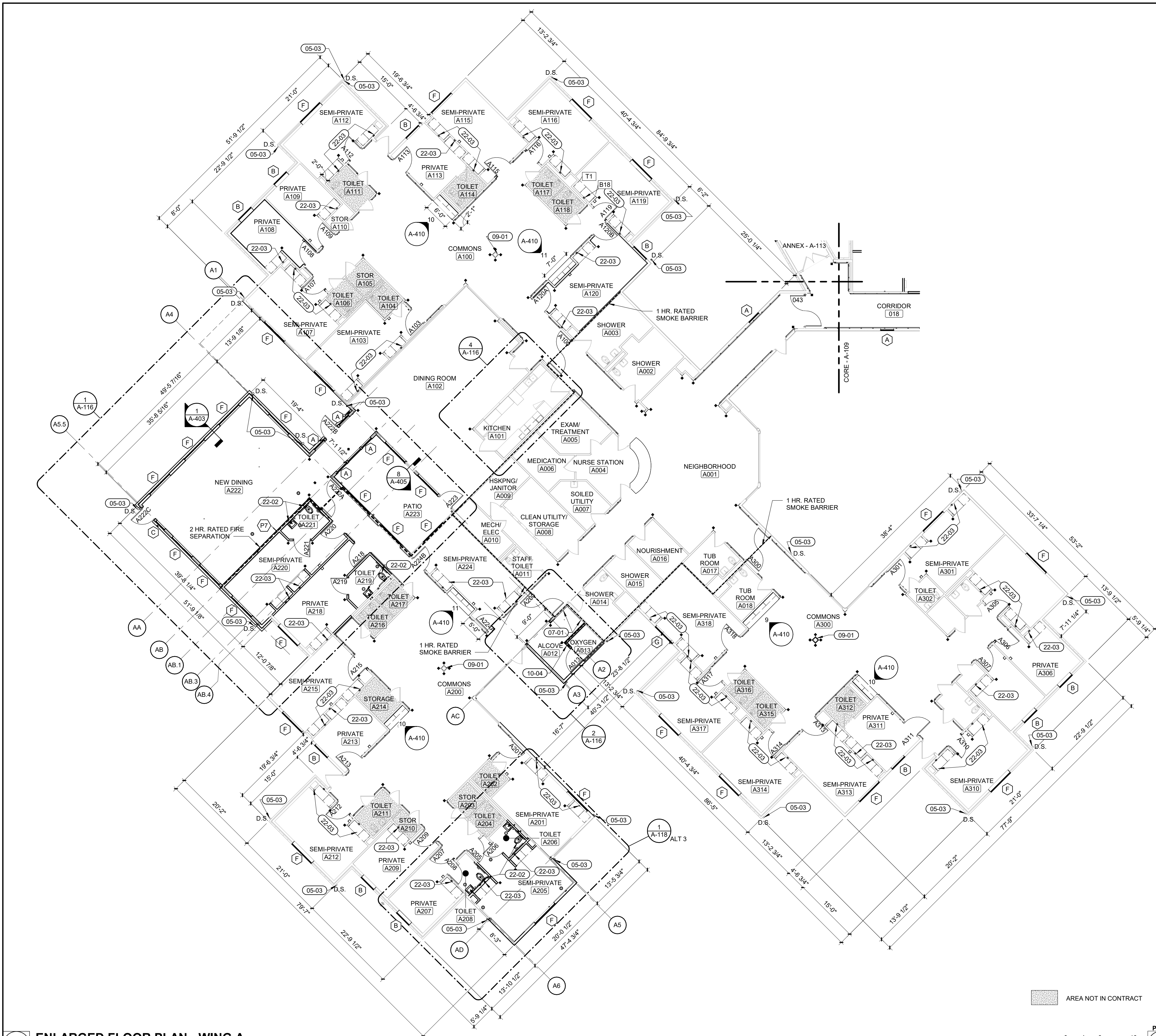
DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JH

SHEET TITLE:  
**ENLARGED FLOOR  
PLAN - CENTRAL  
CORE**

SHEET NUMBER:  
**A-109**

SHEET 49 OF 197  
ISSUE DATE: 08/15/2024





9/16/2024 11:51:18 AM

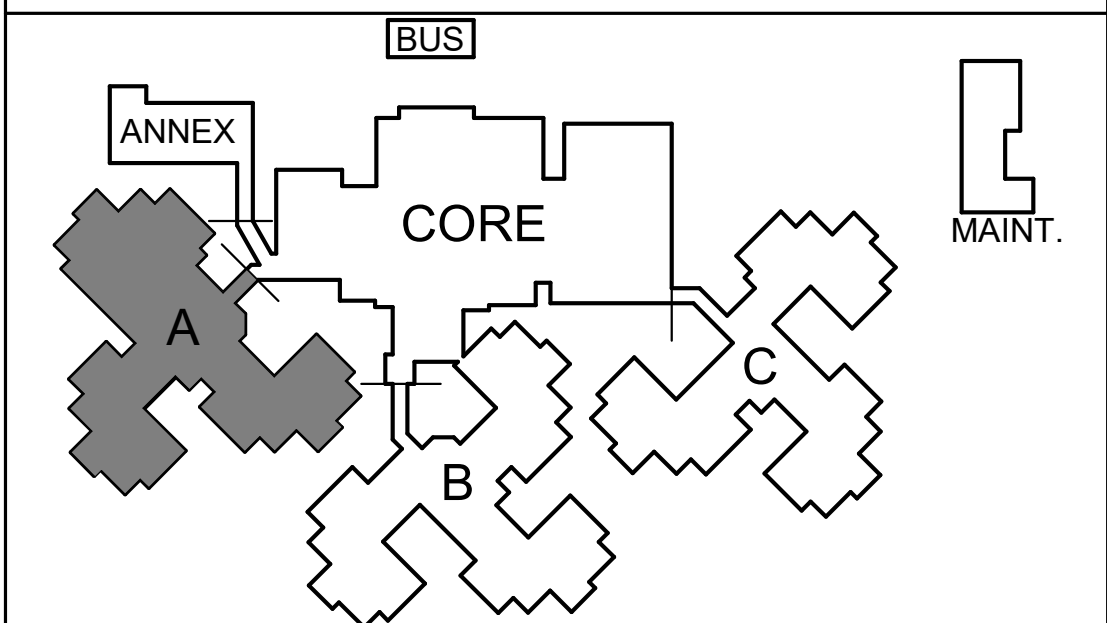
**1 ENLARGED FLOOR PLAN - WING A**  
Scale: 3/32" = 1'-0"

**PLAN GENERAL NOTES**

- A. SEE A-001 FOR PARTITION TYPES.
- B. DIMENSIONS ARE SHOWN TO FACE OF STRUCTURE (WALL STUD, CMU AND/OR CONCRETE) UNLESS NOTED OTHERWISE. DIMENSIONS TO EXISTING CONSTRUCTION ARE SHOWN TO FINISH FACE OF WALL.
- C. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
- D. USE GYP BOARD TYPE "MR" AT ALL WET LOCATIONS. STOP BOARD AT 1/2" ABOVE FLOOR LINE.
- E. SEE LIFE SAFETY PLANS G-003 FOR LOCATION OF RATED PARTITIONS AND SEPARATION INFORMATION.
- F. INSTALL ALL DOORS WITH MINIMUM 18 INCHES CLEAR FROM INSIDE FACE OF LATCH SIDE OF JAMB TO FINISH FACE OF WALL ON PULL SIDE OF DOOR, AND MINIMUM 12" ON OPPOSITE SIDE.
- G. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO PROVIDE COMPLETE WORKING SYSTEMS FOR ALL NEW ELEMENTS.
- H. ALL CONTRACTORS SHALL PROVIDE NEW, UNDAMAGED MATERIALS UNLESS OTHERWISE SPECIFIED.
- I. STORE MATERIALS IN SUCH A MANNER AS NOT TO OVERSTRESS, OVERLOAD, OR OTHERWISE PUT AN UNSAFE LOAD ON ANY STRUCTURE DURING CONSTRUCTION.
- J. INSTALL ALL WORK IN ACCORDANCE WITH CURRENT APPLICABLE CODES, PUBLISHED STANDARDS, AND ACCEPTABLE CONSTRUCTION STANDARDS.
- K. ALL NEW WORK SHALL BE PLUMB AND LEVEL UNLESS OTHERWISE NOTED.
- L. ALL FIRE RESISTANT CONSTRUCTION SHALL EXTEND TO STRUCTURE ABOVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXTENDING PARTITIONS AROUND EQUIPMENT CABINETS AND OTHER ITEMS WHICH PENETRATE THESE PARTITIONS, AND SHALL BE RESPONSIBLE FOR FILLING ALL VOIDS IN PARTITIONS ABOVE CEILING, IN ORDER TO MAINTAIN DESIGNATED FIRE RESISTANCE.
- M. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF.
- N. EACH CONTRACTOR SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES.
- O. DO NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS. IF A REQUIRED DIMENSION IS NOT INDICATED, CONTACT THE ARCHITECT FOR DETERMINATION.
- P. DETAILS ARE GENERALLY TYPICAL AND ARE NOT TO BE CONSTRUED AS LIMITED TO THOSE ARE SPECIALLY INDICATED. REVEW ANY QUESTIONS OR CONFLICTING INFORMATION WITH THE ARCHITECT PRIOR TO INSTALLATION.
- Q. THE CONTRACTOR SHALL NOT CUT STRUCTURAL MEMBERS/ELEMENTS IN A MANNER RESULTING IN A REDUCTION OF LOAD CARRYING CAPACITY OR LOAD/DEFLECTION RATIO.
- R. REFER TO STRUCTURAL DRAWINGS FOR FRAMING INFORMATION AND FRAMING DIMENSIONS.
- S. HINGE SIDE OF DOOR JAMBS TO BE LOCATED 4" FROM NEAREST WALL INTERSECTION UNLESS OTHERWISE NOTED.
- T. ALL APPLIANCES ARE TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED OR SHOWN. VERIFY ALL APPLIANCE DIMENSIONS PRIOR TO FINAL MILLWORK CONSTRUCTION.
- U. PAINT ALL STEEL DOORS, DOOR FRAMES, INTERIOR BORROW LITE FRAMES, LINTELS AND OTHER EXPOSED METAL ITEMS UNLESS OTHERWISE NOTED OR SHOWN.
- V. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.
- W. EXISTING CONDITION INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. ALL EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE ONLY AND HAS NOT BEEN FIELD VERIFIED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY NEW WORK AND SHALL BRING AND DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO DEMOLITION AND CONSTRUCTION.
- X. PROVIDE TEMPORARY BRACING OF EQUIPMENT, MATERIALS OR OTHER DEVICES AS REQUIRED DURING AND AFTER DEMOLITION UNTIL NEW CONSTRUCTION IS COMPLETE.
- Y. REPLACE ALL EXISTING VINYL SIDING AND TRIMS WHERE OCCURS ON EXTERIOR AND REPLACE WITH NEW FIBER CEMENT SIDING, TRIMS, AND SOFFITS AS REQUIRED. COORDINATE WITH NEW CONSTRUCTION, AND VERIFY EXTENTS OF WORK IN FIELD.

**KEYNOTES (BY DIVISION)**

	##
DIVISION 05	
05-03 [NEW PREFINISHED METAL DOWNSPOUT, TYP.	
DIVISION 07	
07-01 [REMOVE EXISTING SIDING AND AIR BARRIER, INSTALL 1 LAYER TYPE "X" GYP BD OVER EXISTING PLYWOOD	
DIVISION 09	
09-01 [PATCH AND REPAIR EXISTING WALL TO MATCH ADJACENT FINISH	
DIVISION 10	
10-04 [SIGNAGE PER NFPA 99 AT OXYGEN ROOMS	
DIVISION 22	
22-02 [NEW PLUMBING FIXTURES, SEE PLUMBING DRAWINGS	
22-03 [SEE TYPICAL RESIDENT ROOM CASEWORK ON INTERIOR ELEVATIONS SHEET FOR CASEWORK TYPES. ADD WALL BLOCKING FOR OWNER PROVIDED TELEVISION MOUNT	

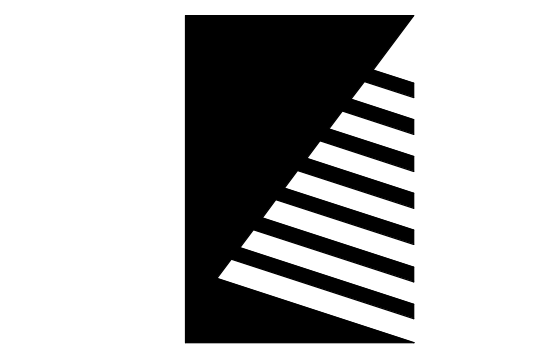


**KEY PLAN**  
SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SLV/AVR  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:  
**ENLARGED FLOOR  
PLAN - WING A**

SHEET NUMBER:

**A-110**

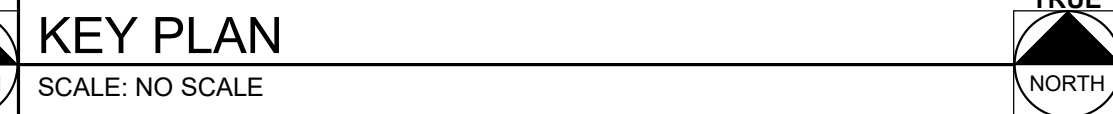
SHEET 50 OF 197  
ISSUE DATE: 08/15/2024





- A. SEE A-001 FOR PARTITION TYPES.
- B. DIMENSIONS ARE SHOWN TO FACE OF STRUCTURE (WALL STUD, CMU AND/OR CONCRETE) UNLESS NOTED OTHERWISE. DIMENSIONS TO EXISTING CONSTRUCTION ARE SHOWN TO FINISH FACE OF WALL.
- C. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
- D. USE GYP BOARD TYPE "MR" AT ALL WET LOCATIONS. STOP BOARD AT ½" ABOVE FLOOR LINE.
- E. SEE LIFE SAFETY PLANS G-003 FOR LOCATION OF RATED PARTITIONS AND SEPARATION INFORMATION
- F. INSTALL ALL DOORS WITH MINIMUM 18 INCHES CLEAR FROM INSIDE FACE OF LATCH SIDE OF JAMB TO FINISH FACE OF WALL ON PULL SIDE OF DOOR, AND MINIMUM 12" ON OPPOSITE SIDE.
- G. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO PROVIDE COMPLETE WORKING SYSTEMS FOR ALL NEW ELEMENTS.
- H. ALL CONTRACTORS SHALL PROVIDE NEW, UNDAMAGED MATERIALS UNLESS OTHERWISE SPECIFIED.
- I. STORE MATERIALS IN SUCH A MANNER AS NOT TO OVERSTRESS, OVERLOAD, OR OTHERWISE PUT AN UNSAFE LOAD ON ANY STRUCTURE DURING CONSTRUCTION.
- J. INSTALL ALL WORK IN ACCORDANCE WITH CURRENT APPLICABLE CODES, PUBLISHED STANDARDS, AND ACCEPTABLE CONSTRUCTION STANDARDS.
- K. ALL NEW WORK SHALL BE PLUMB AND LEVEL UNLESS OTHERWISE NOTED.
- L. ALL FIRE RESISTANT CONSTRUCTION SHALL EXTEND TO STRUCTURE ABOVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXTENDING PARTITIONS AND/OR EQUIPMENT ENCLOSURES AND OTHER ITEMS WHICH PENETRATE THESE PARTITIONS, AND SHALL BE RESPONSIBLE FOR FILLING ALL VOIDS IN PARTITIONS ABOVE CEILING, IN ORDER TO MAINTAIN DESIGNATED FIRE RESISTANCE.
- M. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF
- N. EACH CONTRACTOR SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES.
- O. DO NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS. IF A REQUIRED DIMENSION IS NOT INDICATED, CONTACT THE ARCHITECT FOR DETERMINATION.
- P. DETAILS ARE GENERALLY TYPICAL AND ARE NOT TO BE CONSTRUED AS LIMITED TO THOSE AREAS SPECIFICALLY INDICATED. REVIEW ANY QUESTIONS OR CONFLICTING INFORMATION WITH THE ARCHITECT PRIOR TO INSTALLATION.
- Q. THE CONTRACTOR SHALL NOT CUT STRUCTURAL MEMBERS/ELEMENTS IN A MANNER RESULTING IN A REDUCTION OF LOAD CARRYING CAPACITY OR LOAD/DEFLECTION RATIO.
- R. REFER TO STRUCTURAL DRAWINGS FOR FRAMING INFORMATION AND FRAMING DIMENSIONS.
- S. HINGE SIDE OF DOOR JAMBS TO BE LOCATED 4" FROM NEAREST WALL INTERSECTION UNLESS OTHERWISE NOTED.
- T. ALL APPLIANCES ARE TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED OR SHOWN. VERIFY ALL APPLIANCE DIMENSIONS PRIOR TO FINAL MILL/WORK CONSTRUCTION.
- U. PAINT ALL STEEL DOORS, DOOR FRAMES, INTERIOR BORROW LITE FRAMES, LINTELS AND OTHER EXPOSED METAL ITEMS UNLESS OTHERWISE NOTED OR SHOWN.
- V. FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.
- W. EXISTING CONDITION INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. ALL EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE ONLY AND HAS NOT BEEN FIELD VERIFIED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY NEW WORK AND SHALL BRING AND DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO DEMOLITION AND CONSTRUCTION.
- X. PROVIDE TEMPORARY BRACING OF EQUIPMENT, MATERIALS OR OTHER DEVICES AS REQUIRED DURING AND AFTER DEMOLITION UNTIL NEW CONSTRUCTION IS COMPLETE.
- Y. REPLACE ALL EXISTING VINYL SIDING AND TRIMS WHERE OCCURS ON EXTERIOR AND REPLACE WITH NEW FIBER CEMENT SIDING, TRIMS, AND SOFFITS AS REQUIRED. COORDINATE WITH NEW CONSTRUCTION, AND VERIFY EXTENTS OF WORK IN FIELD.

DIVISION 05	
05-03	NEW PREFINISHED METAL DOWNSPOUT, TYP.
	DIVISION 07
07-01	REMOVE EXISTING SIDING AND AIR BARRIER, INSTALL 1 LAYER TYPE "X" GYP BD OVER EXISTING PLYWOOD
	DIVISION 09
09-01	PATCH AND REPAIR EXISTING WALL TO MATCH ADJACENT FINISH
09-02	REFERENCE FINISH PLANS FOR NEW FLOORING SCOPE
	DIVISION 10
10-04	SIGNAGE PER NFPA 99 AT OXYGEN ROOMS
	DIVISION 22
22-02	NEW PLUMBING FIXTURES, SEE PLUMBING DRAWINGS
22-03	SEE TYPICAL RESIDENT ROOM CASEWORK ON INTERIOR ELEVATIONS SHEET FOR CASEWORK TYPES. ADD WALL BLOCKING FOR OWNER PROVIDED TELEVISION MOUNT
22-04	IF ALT. 3 IS NOT TAKEN, INSTALL NEW WALL FURRING (P8) FOR PLUMBING DROW. SAW CUT FLOOR AS INDICATED ON PLUMBING DRAWINGS



STATE OF MISSOURI  
★ NICHOLAS RYAN BRUNER ★  
NUMBER  
A-2018007676  
ARCHITECT

Dated: 08/15/2024



20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / [info@f-w.com](mailto:info@f-w.com)

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
ASSET #.:	8136803002
FAI #.:	29-043

#	DATE:	DESCRIPTION
---	-------	-------------

DRAWN BY: SLV/AVR  
CHECKED BY: NRB  
DESIGNED BY: JJH

SHEET TITLE:

## ENLARGED FLOOR PLAN - WING B

SHEET NUMBER:

# A-111

SHEET 51 OF 197  
ISSUE DATE: 08/15/2024

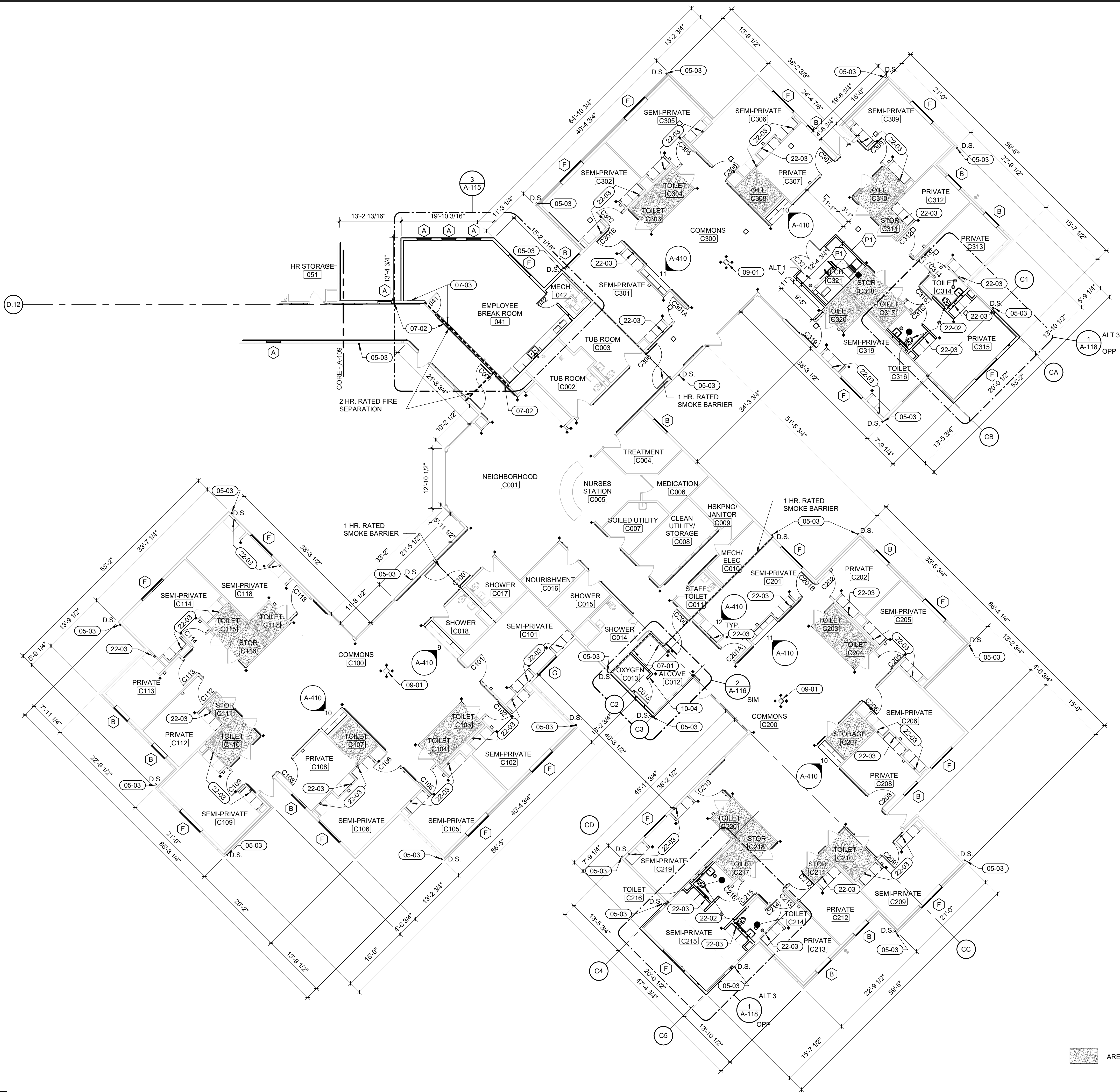


8/15/2024 10:31:01 AM

1

## ENLARGED FLOOR PLAN - WING C

Scale: 3/32" = 1'-0"

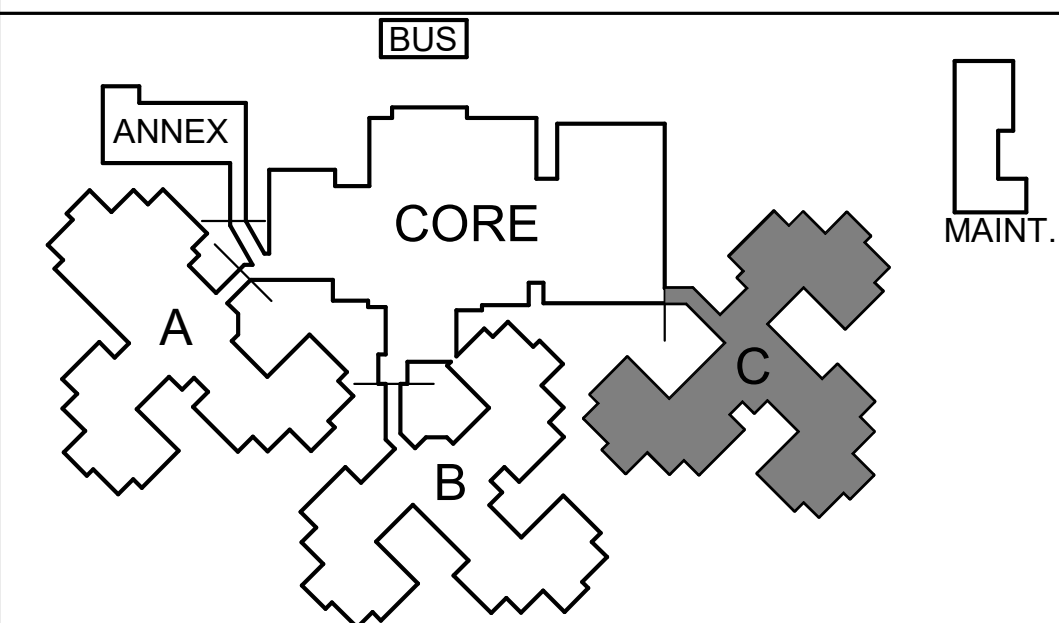


AREA NOT IN CONTRACT



## KEY PLAN

SCALE: NO SCALE



## KEY PLAN

SCALE: NO SCALE

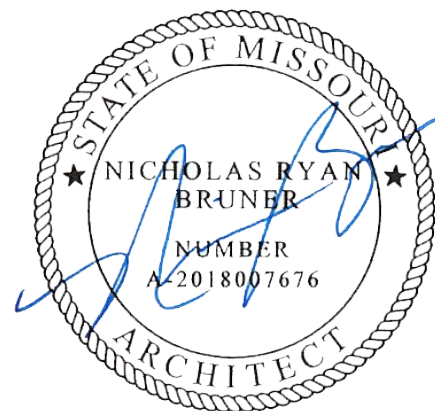
## PLAN GENERAL NOTES

- SEE A-001 FOR PARTITION TYPES.
- DIMENSIONS ARE SHOWN TO FACE OF STRUCTURE (WALL STUD, CMU AND/OR CONCRETE) UNLESS NOTED OTHERWISE. DIMENSIONS TO EXISTING CONSTRUCTION ARE SHOWN TO FINISH FACE OF WALL.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
- USE GYP BOARD TYPE "MR" AT ALL WET LOCATIONS. STOP BOARD AT 1/2" ABOVE FLOOR LINE.
- SEE LIFE SAFETY PLANS G-003 FOR LOCATION OF RATED PARTITIONS AND SEPARATION INFORMATION.
- INSTALL ALL DOORS WITH MINIMUM 18 INCHES CLEAR FROM INSIDE FACE OF LATCH SIDE OF JAMB TO FINISH FACE OF WALL ON PULL SIDE OF DOOR, AND MINIMUM 12" ON OPPOSITE SIDE.
- IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO PROVIDE COMPLETE WORKING SYSTEMS FOR ALL NEW ELEMENTS.
- ALL CONTRACTORS SHALL PROVIDE NEW, UNDAMAGED MATERIALS UNLESS OTHERWISE SPECIFIED.
- STORE MATERIALS IN SUCH A MANNER AS NOT TO OVERSTRESS, OVERLOAD, OR OTHERWISE PUT AN UNSAFE LOAD ON ANY STRUCTURE DURING CONSTRUCTION.
- INSTALL ALL WORK IN ACCORDANCE WITH CURRENT APPLICABLE CODES, PUBLISHED STANDARDS, AND ACCEPTABLE CONSTRUCTION STANDARDS.
- ALL NEW WORK SHALL BE PLUMB AND LEVEL UNLESS OTHERWISE NOTED.
- ALL FIRE RESISTANT CONSTRUCTION SHALL EXTEND TO STRUCTURE ABOVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXTENDING PARTITIONS AROUND EQUIPMENT CABINETS AND OTHER ITEMS WHICH PENETRATE THESE PARTITIONS, AND SHALL BE RESPONSIBLE FOR FILLING ALL VOIDS IN PARTITIONS ABOVE CEILING, IN ORDER TO MAINTAIN DESIGNATED FIRE RESISTANCE.
- DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF.
- EACH CONTRACTOR SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES.
- DO NOT SCALE DRAWINGS TO DETERMINE DIMENSIONS. IF A REQUIRED DIMENSION IS NOT INDICATED, CONTACT THE ARCHITECT FOR DETERMINATION.
- DETAILS ARE GENERALLY TYPICAL AND ARE NOT TO BE CONSTRUED AS LIMITED TO THOSE AREAS SPECIFICALLY INDICATED. REVIEW ANY QUESTIONS OR CONFLICTING INFORMATION WITH THE ARCHITECT PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL NOT CUT STRUCTURAL MEMBERS/ELEMENTS IN A MANNER RESULTING IN A REDUCTION OF LOAD CARRYING CAPACITY OR LOAD/DEFLECTION RATIO.
- REFER TO STRUCTURAL DRAWINGS FOR FRAMING INFORMATION AND FRAMING DIMENSIONS.
- HINGE SIDE OF DOOR JAMBS TO BE LOCATED 4" FROM NEAREST WALL INTERSECTION UNLESS OTHERWISE NOTED.
- ALL APPLIANCES ARE TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED OR SHOWN. VERIFY ALL APPLIANCE DIMENSIONS PRIOR TO FINAL MILLWORK CONSTRUCTION.
- PAINT ALL STEEL DOORS, DOOR FRAMES, INTERIOR BORROW LITE FRAMES, LINTELS AND OTHER EXPOSED METAL ITEMS UNLESS OTHERWISE NOTED OR SHOWN.
- FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.
- EXISTING CONDITION INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. ALL EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE ONLY AND HAS NOT BEEN FIELD VERIFIED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY NEW WORK AND SHALL BRING AND DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO DEMOLITION AND CONSTRUCTION.
- PROVIDE TEMPORARY BRACING OF EQUIPMENT, MATERIALS OR OTHER DEVICES AS REQUIRED DURING AND AFTER DEMOLITION UNTIL NEW CONSTRUCTION IS COMPLETE.
- REPLACE ALL EXISTING VINYL SIDING AND TRIMS WHERE OCCURS ON EXTERIOR AND REPLACE WITH NEW FIBER CEMENT SIDING, TRIMS, AND SOFFITS AS REQUIRED. COORDINATE WITH NEW CONSTRUCTION, AND VERIFY EXTENTS OF WORK IN FIELD.

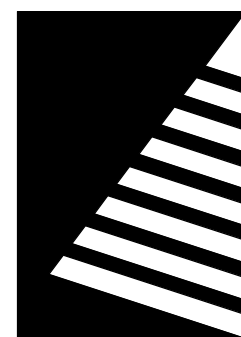
## KEYNOTES (BY DIVISION)

DIVISION	KEYNOTE
05-03	NEW PREFINISHED METAL DOWNSPOUT, TYP.
DIVISION 07	
07-01	REMOVE EXISTING SIDING AND AIR BARRIER, INSTALL 1 LAYER TYPE "X" GYP BD OVER EXISTING PLYWOOD
07-02	ADD ONE LAYER TYPE "X" GYP BD OVER EXISTING GYP BD
07-03	REMOVE EXISTING SIDING AND AIR BARRIER, INSTALL 2 LAYERS TYPE "X" GYP BD OVER EXISTING PLYWOOD
DIVISION 09	
09-01	PATCH AND REPAIR EXISTING WALL TO MATCH ADJACENT FINISH
DIVISION 10	
10-04	SIGNAGE PER NFPA 99 AT OXYGEN ROOMS
DIVISION 22	
22-02	NEW PLUMBING FIXTURES, SEE PLUMBING DRAWINGS
22-03	SEE TYPICAL RESIDENT ROOM CASEWORK ON INTERIOR ELEVATIONS SHEET FOR CASEWORK TYPES. ADD WALL BLOCKING FOR OWNER PROVIDED TELEVISION MOUNT

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SLV/AVR  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:

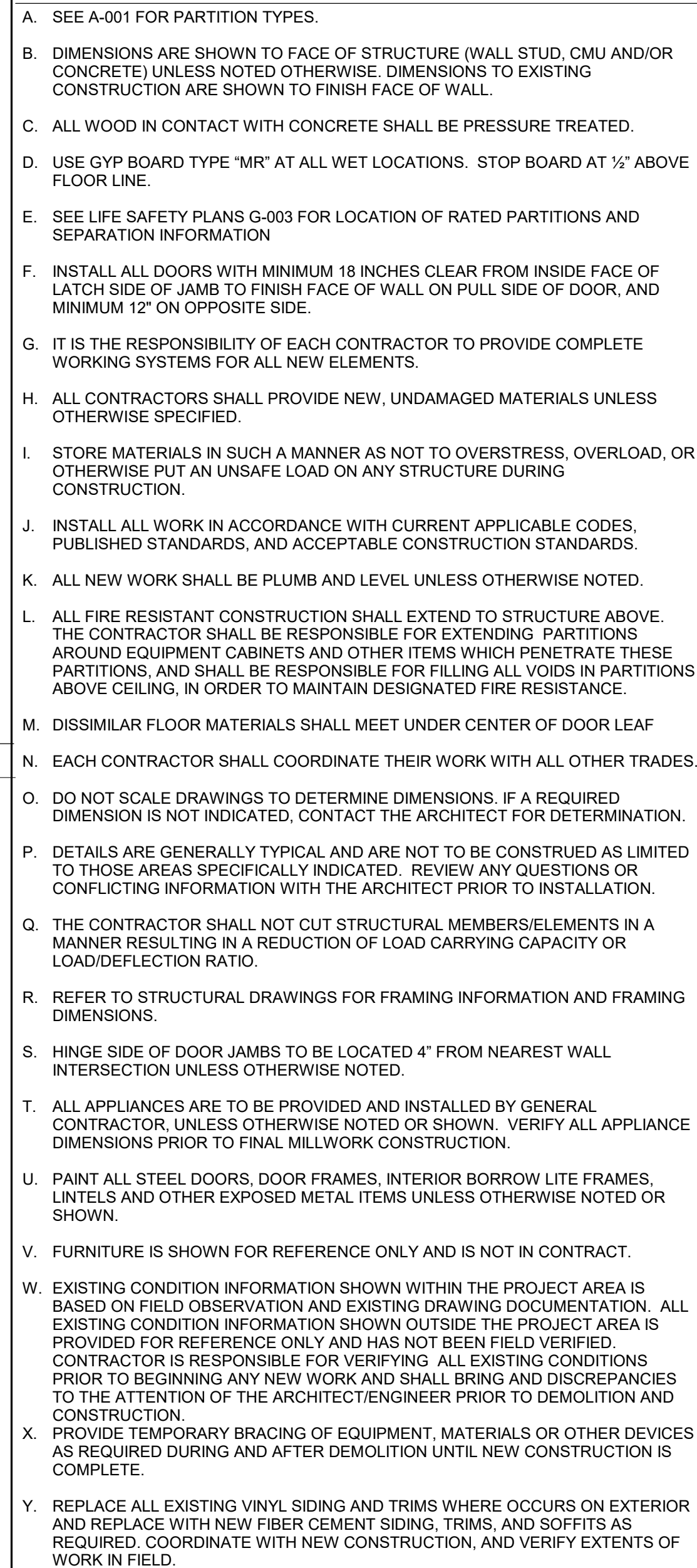
**ENLARGED FLOOR  
PLAN - WING C**

SHEET NUMBER:

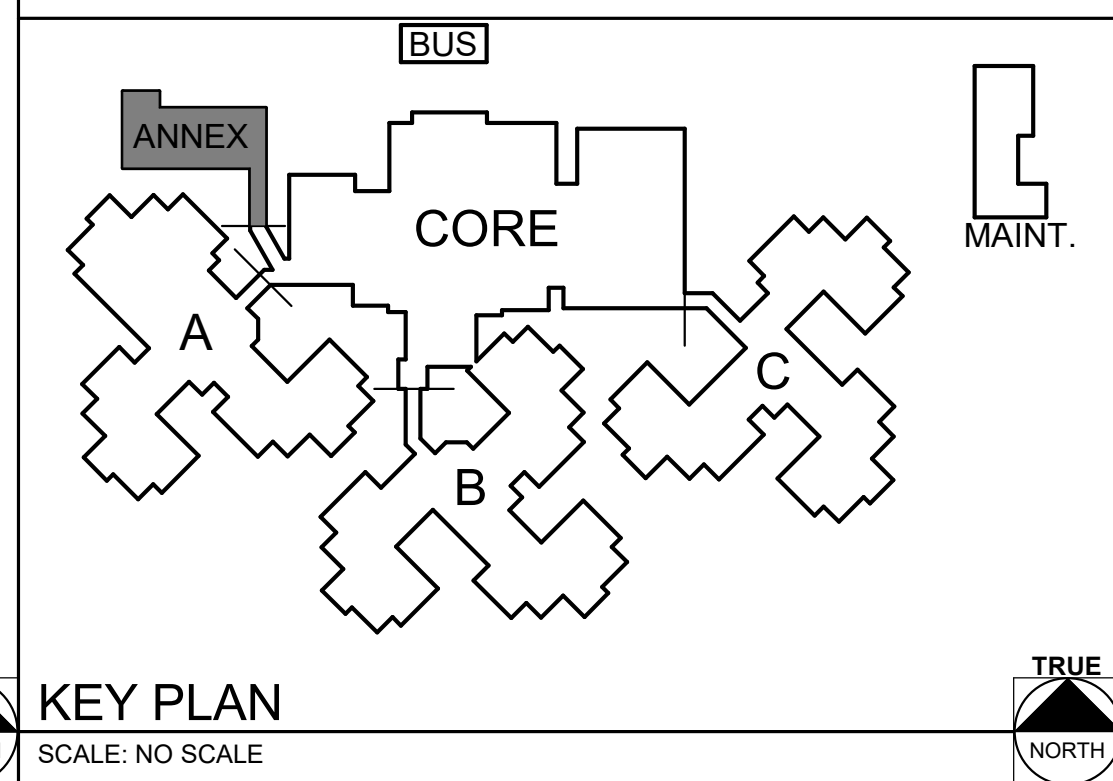
**A-112**

SHEET 52 OF 197  
ISSUE DATE: 08/15/2024



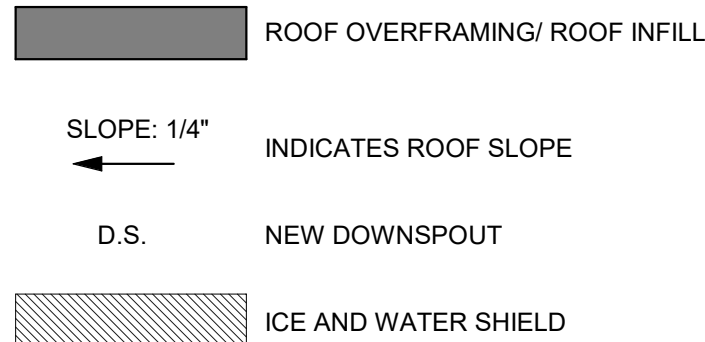


<b>KEYNOTES (BY DIVISION)</b>	
<b>DIVISION 05</b>	
<b>05-03</b>	<b>NEW PREFINISHED METAL DOWNSPOUT, T</b>



SHEET 53 OF 197  
ISSUE DATE: 08/15/2024





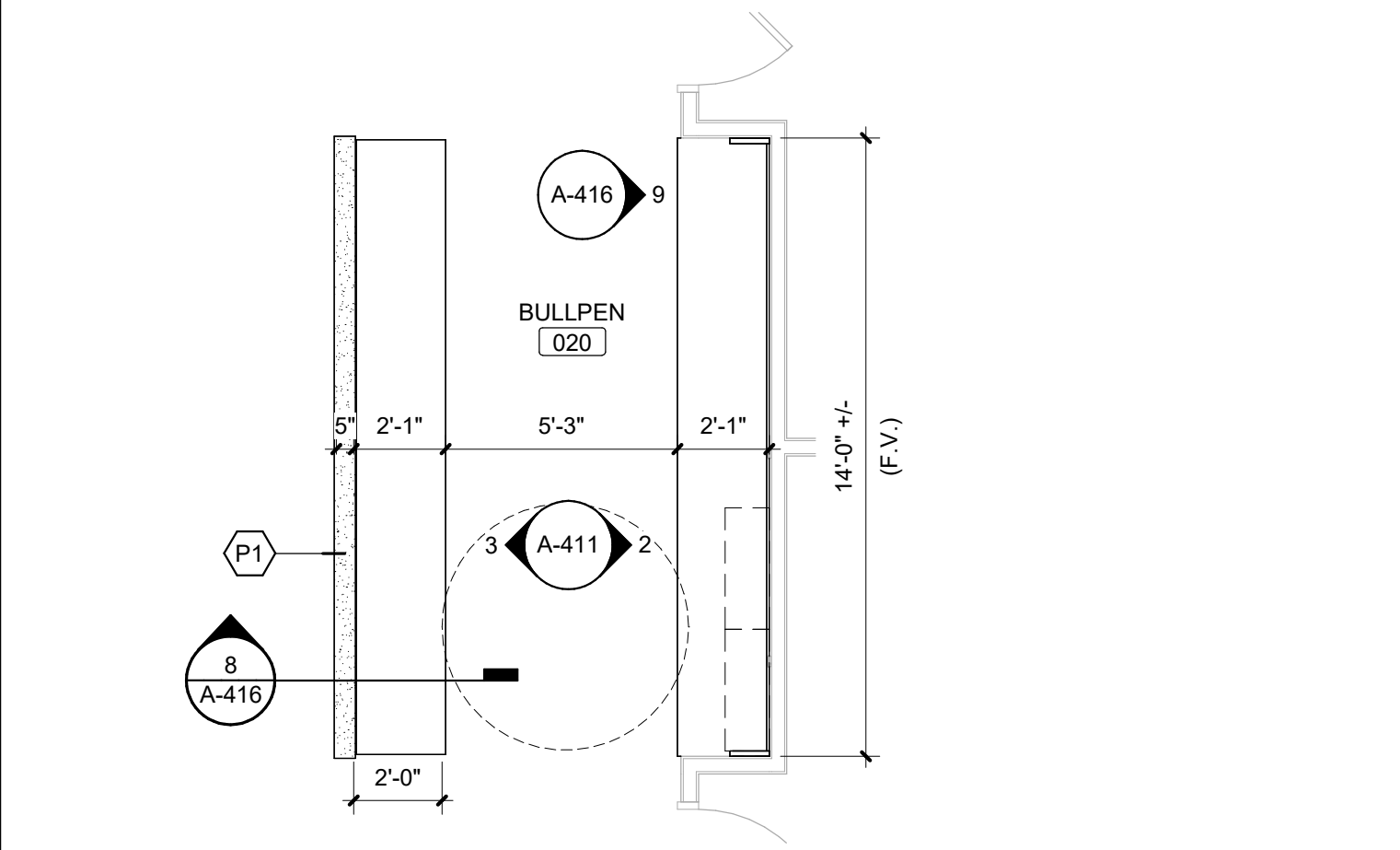
SHEET 54 OF 197  
ISSUE DATE: 08/15/2024



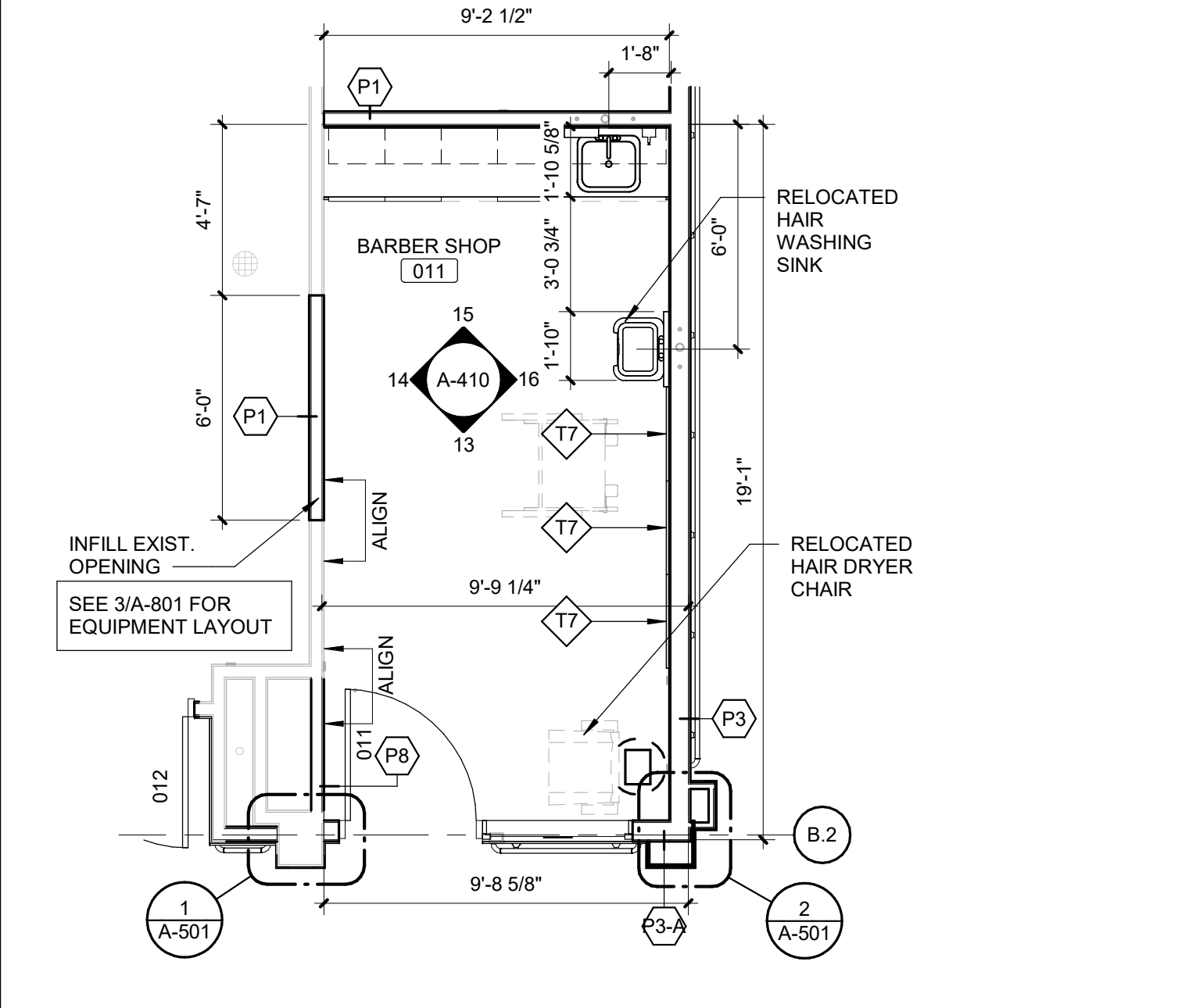
EQUIPMENT SCHEDULE					
MARK	DESCRIPTION	COUNT	NEW / EXIST.	RELOCATED FROM	REMARKS
E6	ICE AND WATER DISPENSER	1	EXIST	SERVING LINE	1
E7	ICED CAPPUCCINO DISPENSER	1	EXIST	SERVING LINE	1
E8	COFFEE URN	1	EXIST	SERVING LINE	1
E11	POPCORN MAKER	1	EXIST	LIBRARY/ACTIVITY ROOM	1
E12	ICE CREAM DISPENSER	1	NEW		2
E13	SODA DISPENSER WITH ICE MAKER	1	NEW		2
E14	MICROWAVE	3	EXIST	(2) BREAK ROOM / (1) LIBRARY	1
E17	REFRIGERATOR	1	EXIST	BREAK ROOM	1
E18	GLASS DOOR FREEZER	1	NEW		2
E19	BEVERAGE COOLER	2	NEW/EXIST	(1) BISTRO	1, 2
E20	PAPER TOWEL DISPENSER	4	EXIST	*VARIES	1
E21	SOAP DISPENSER	4	EXIST	*VARIES	1
E22	COTTON CANDY MACHINE	1	NEW		4
E23	SODA VENDING MACHINE	2	EXIST	MAIN DINING	1

REMARKS:

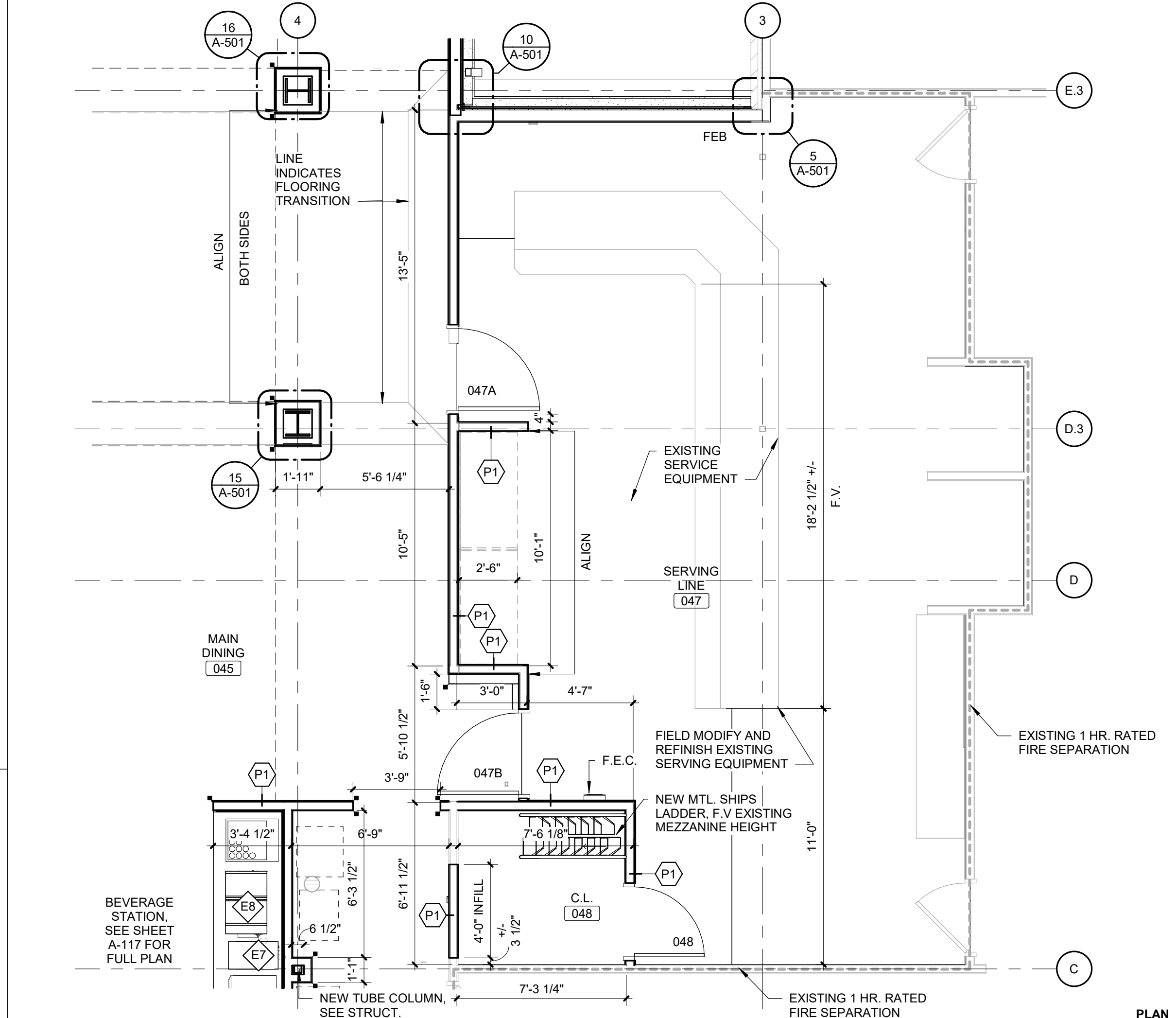
1. SALVAGE EXISTING AND RELOCATE
2. OFCI
3. CFCI
4. OFOI



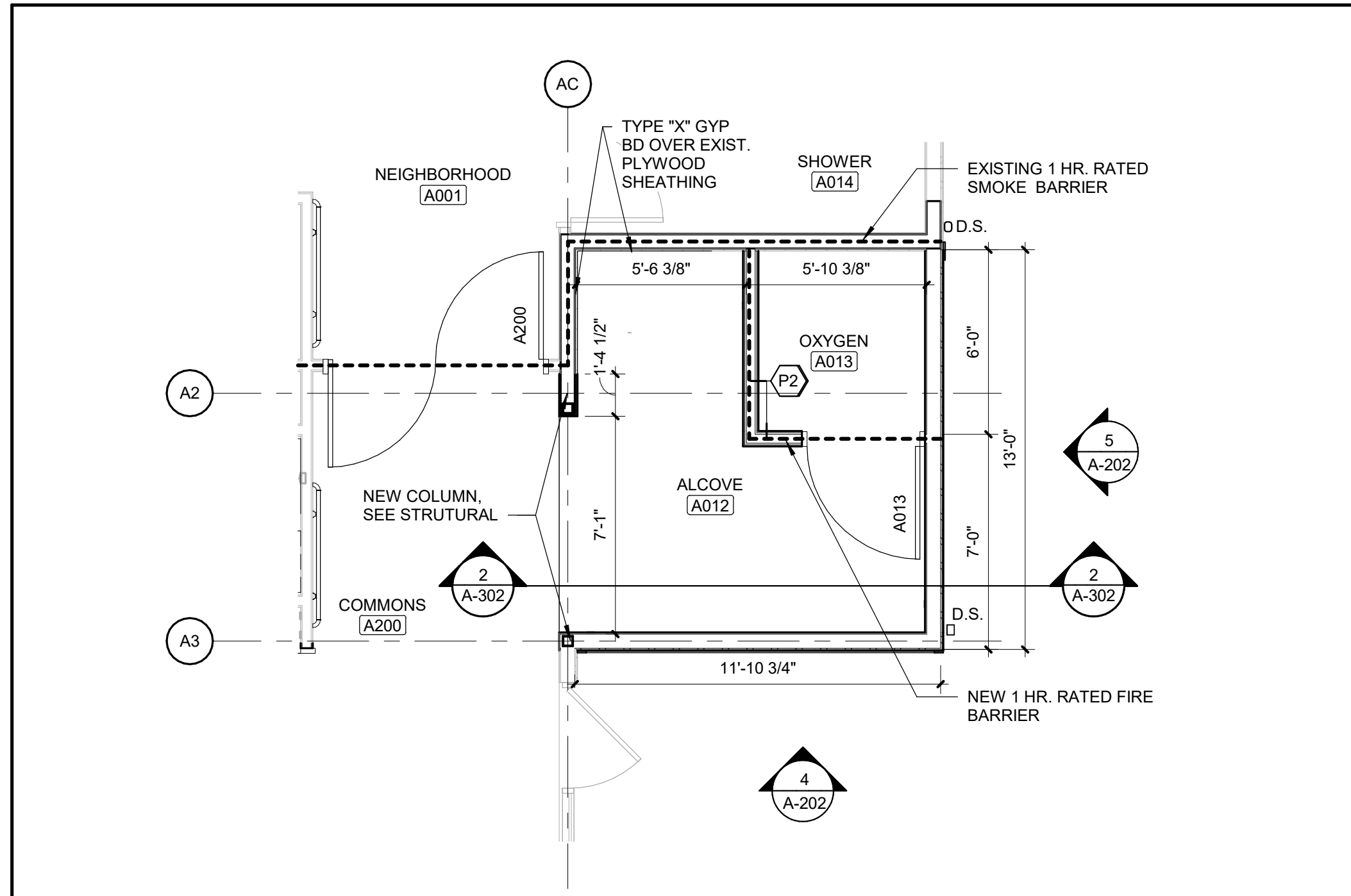
6 ENLARGED BULLPEN  
Scale: 1/4" = 1'-0"



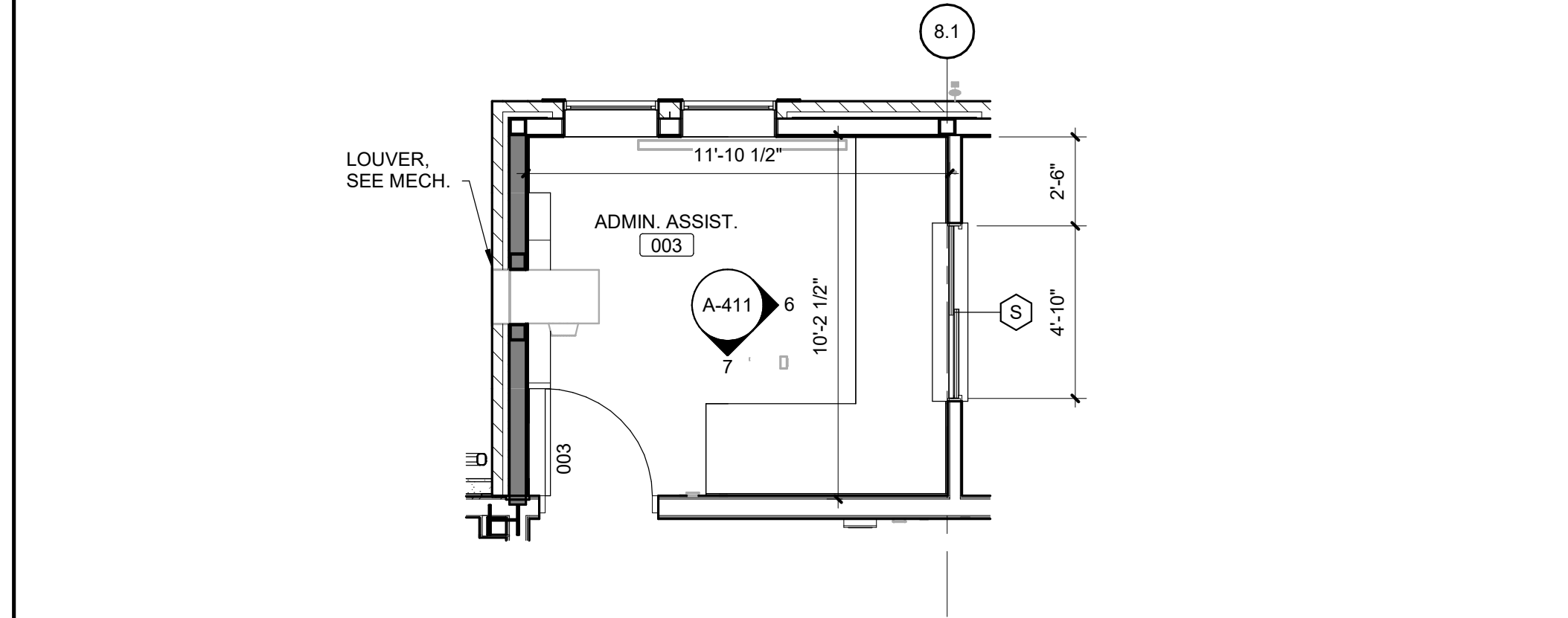
5 ENLARGED BARBER SHOP  
Scale: 1/4" = 1'-0"



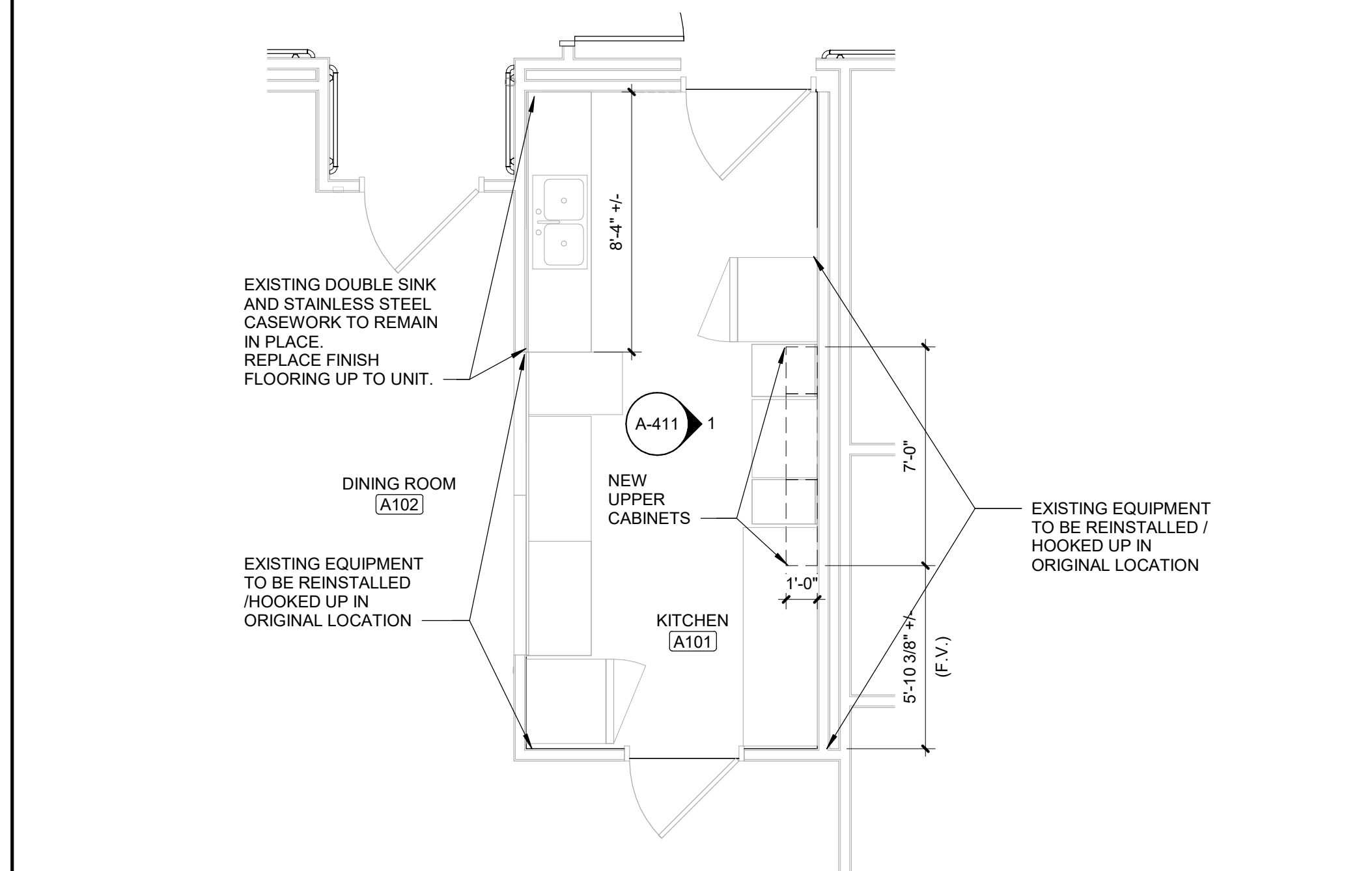




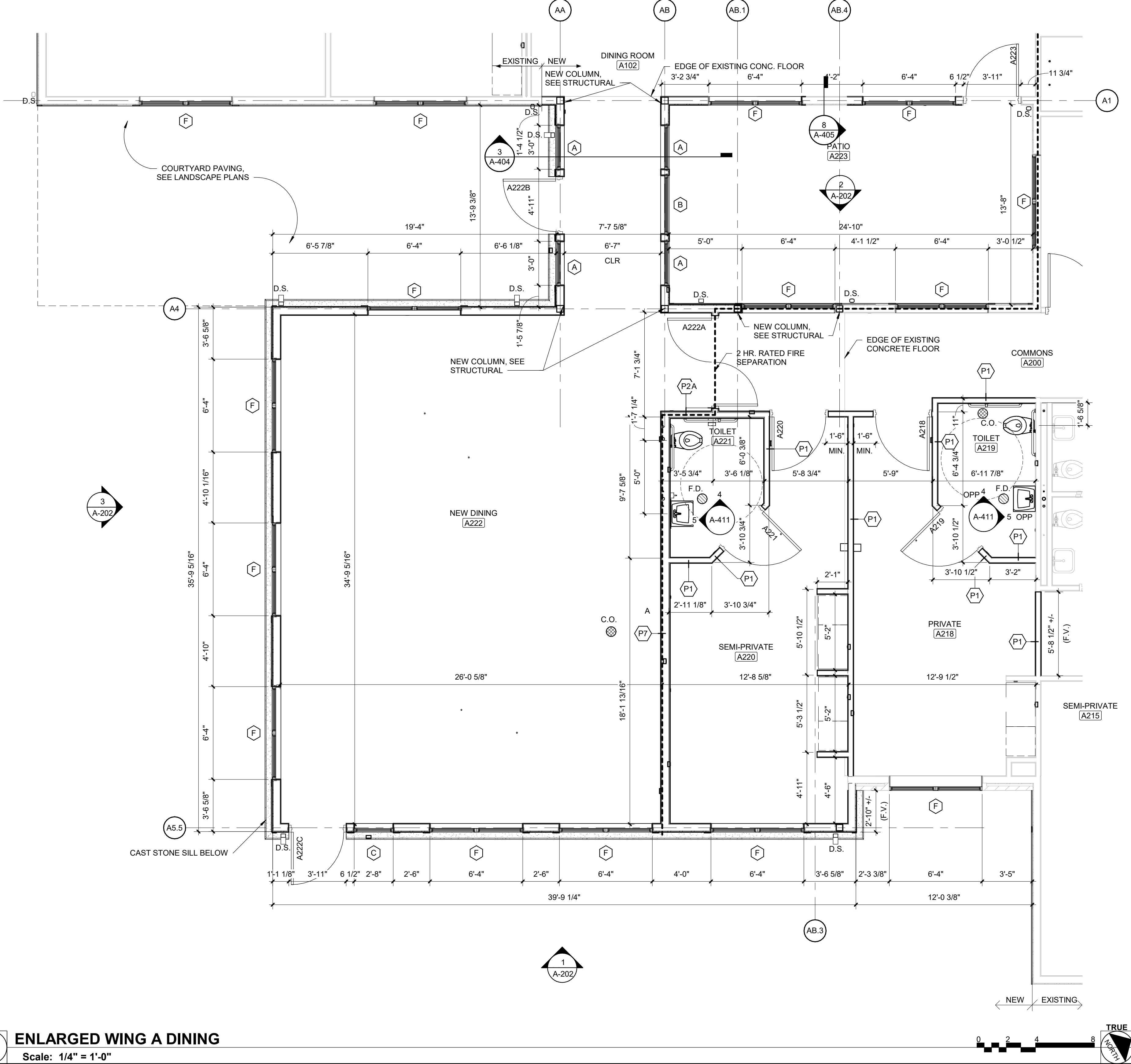
**2 ENLARGED OXYGEN ROOM, TYP**  
Scale: 1/4" = 1'-0"



**3 ENLARGED ADMIN. ASSIST.**  
Scale: 1/4" = 1'-0"

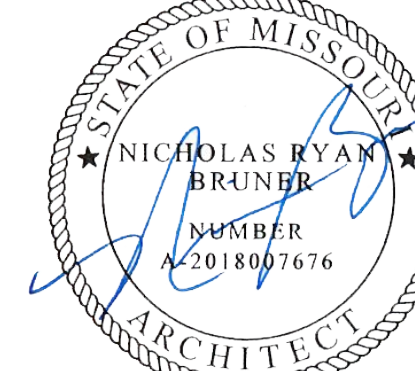


**4 ENLARGED WING A KITCHEN**  
Scale: 1/4" = 1'-0"

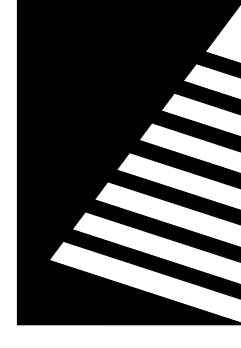


**1 ENLARGED WING A DINING**  
Scale: 1/4" = 1'-0"

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JH

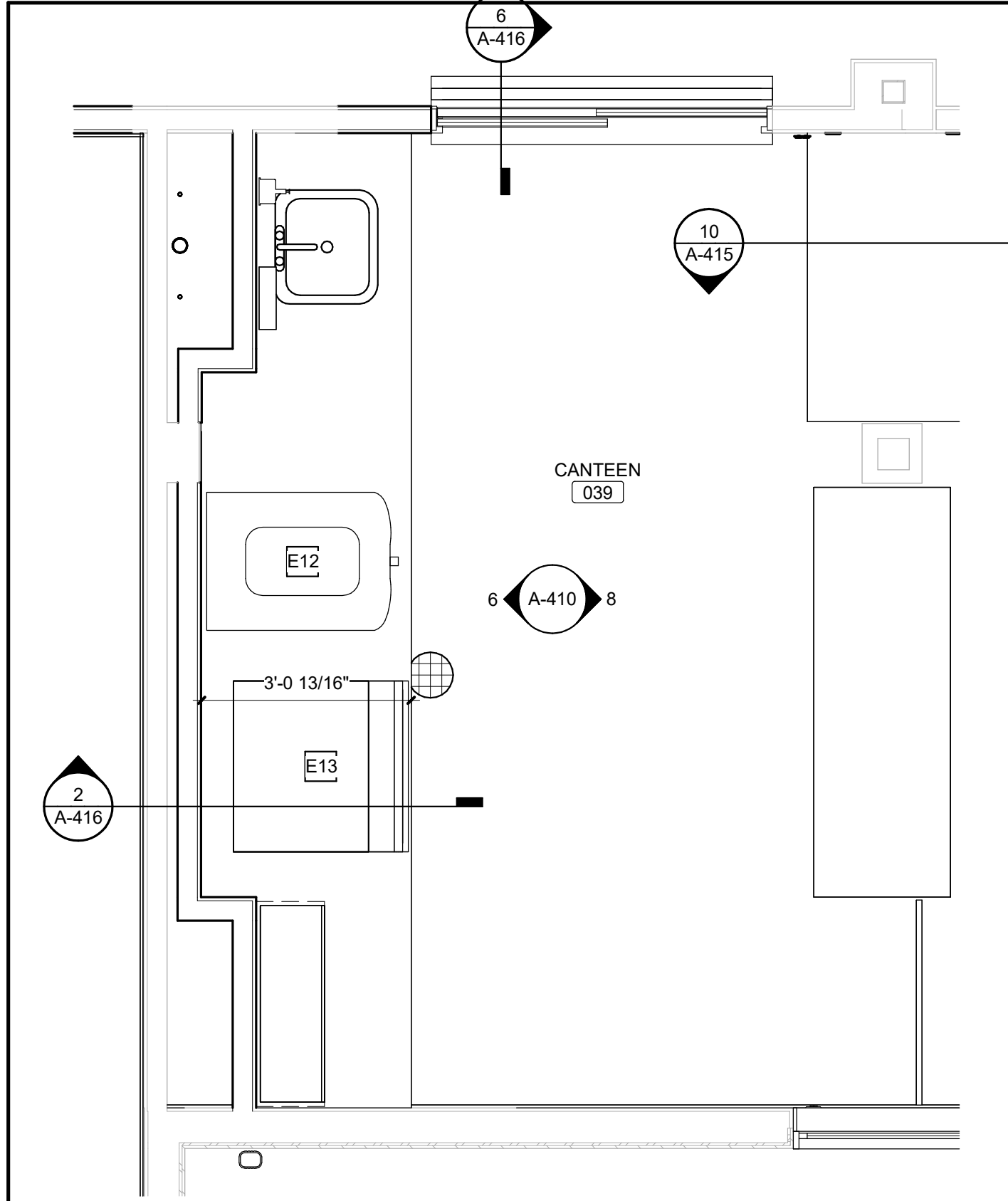
SHEET TITLE:  
**ENLARGED PLANS &  
ROOM ADDITIONS**

SHEET NUMBER:

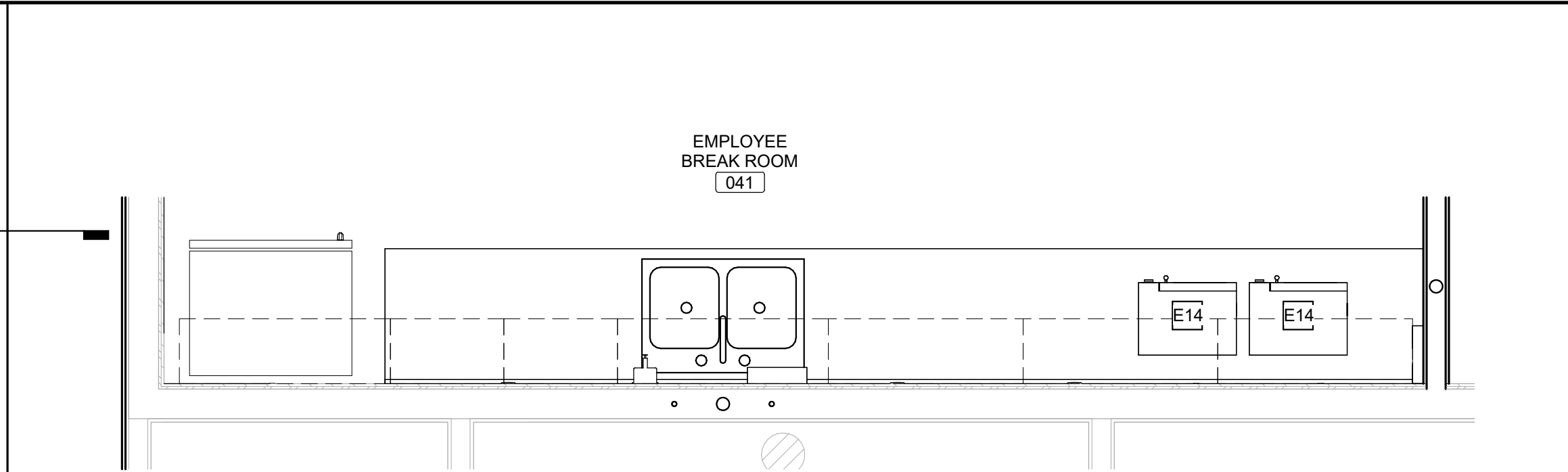
**A-116**

SHEET 56 OF 197  
ISSUE DATE: 08/15/2024

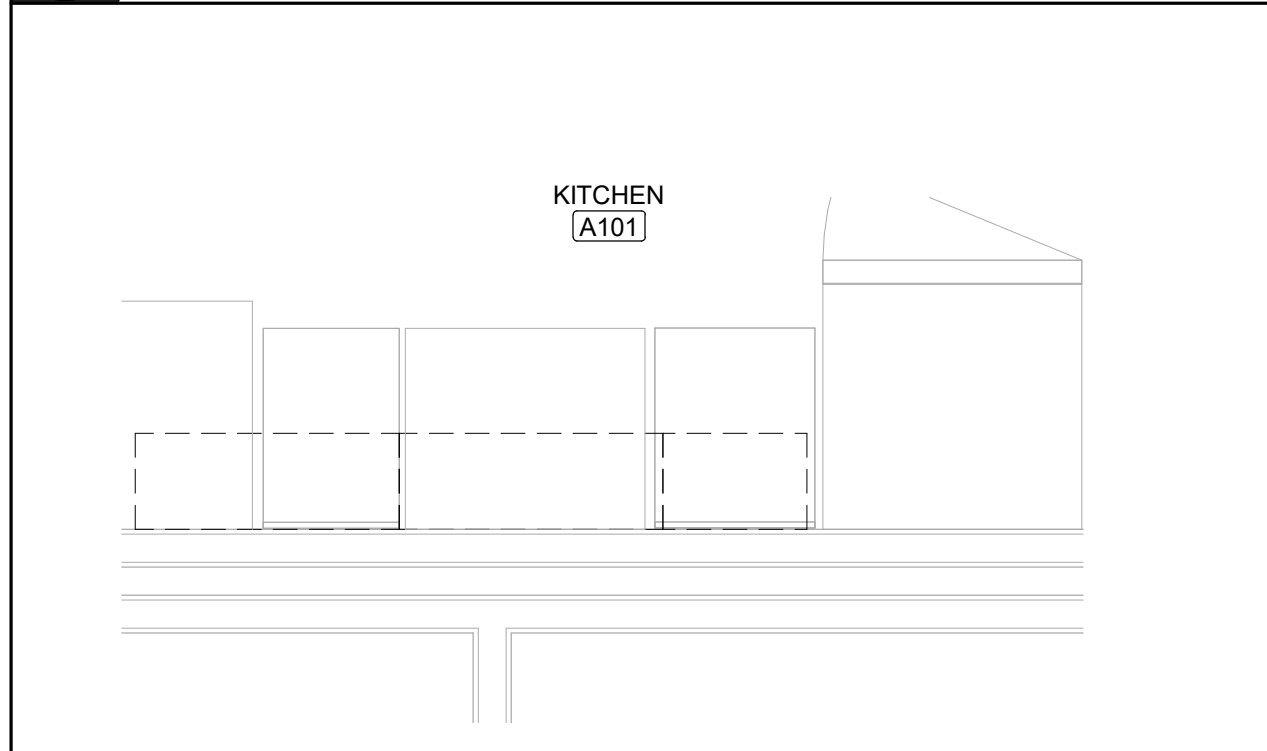




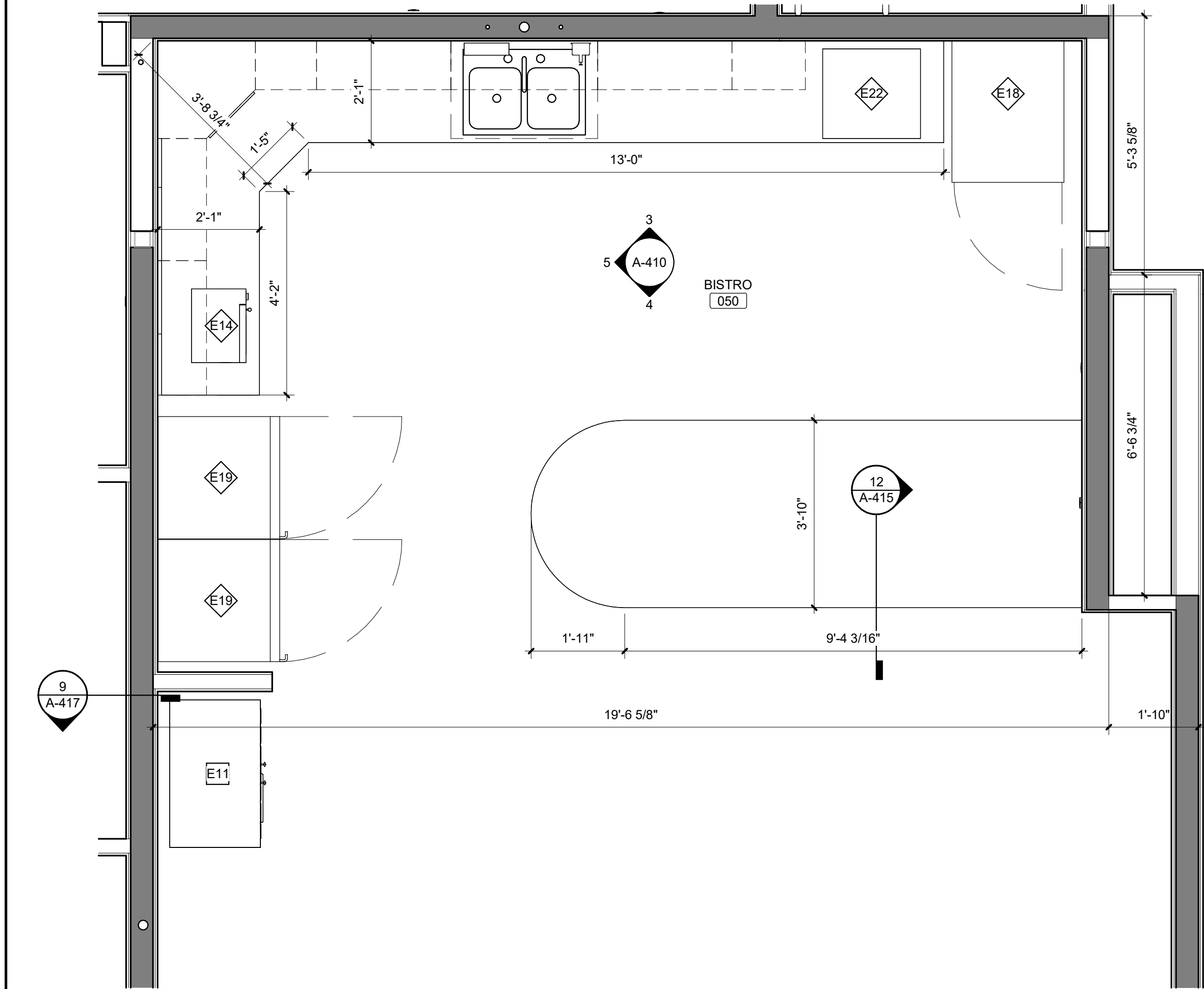
5 ENLARGED CANTEEN EQUIPMENT PLAN  
Scale: 1/2" = 1'-0"



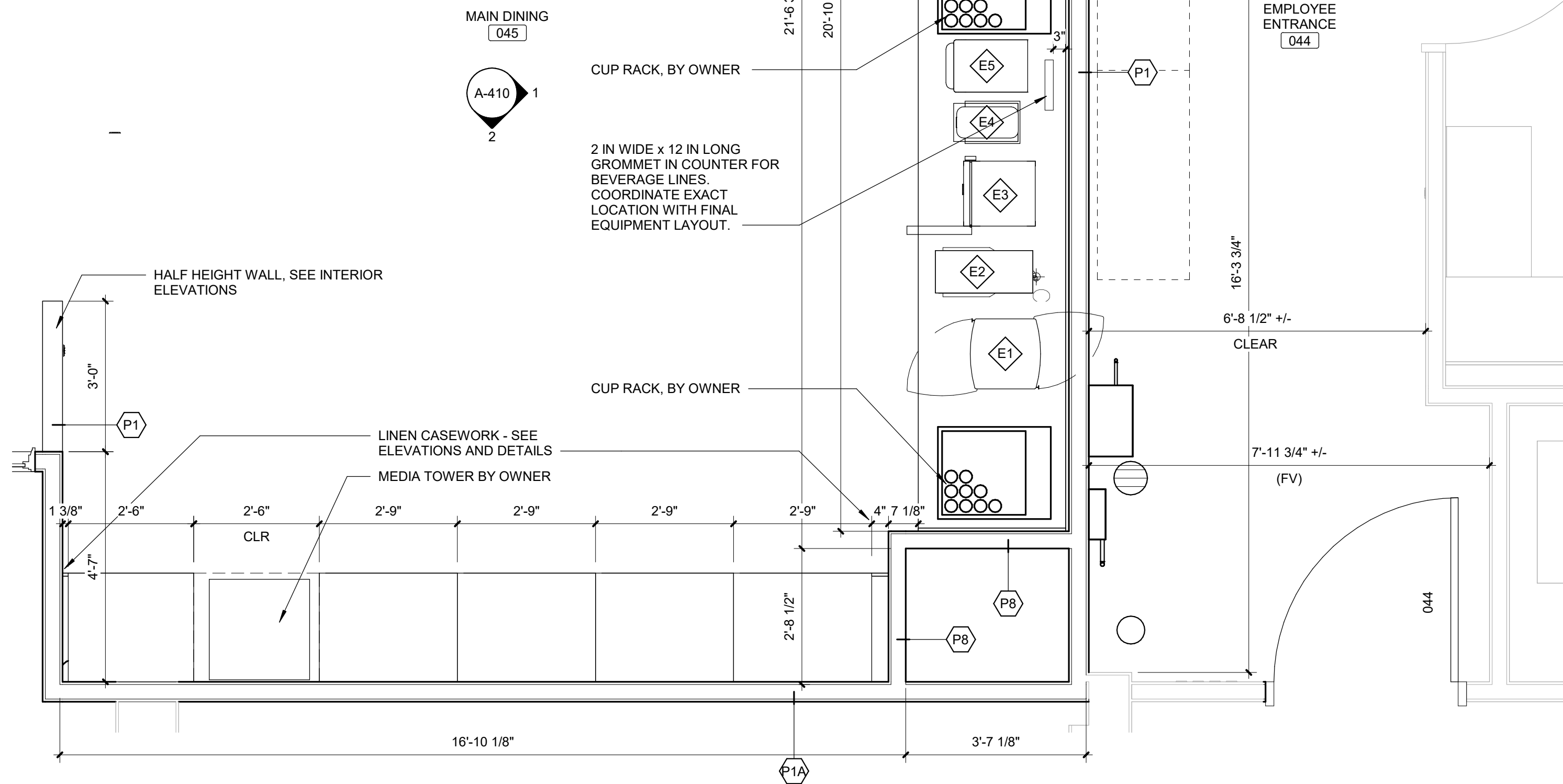
4 ENLARGED EMPLOYEE BREAKROOM EQUIPMENT PLAN  
Scale: 1/2" = 1'-0"



3 ENLARGED KITCHEN EQUIP. PLAN  
Scale: 1/2" = 1'-0"



2 ENLARGED BISTRO EQUIPMENT PLAN  
Scale: 1/2" = 1'-0"

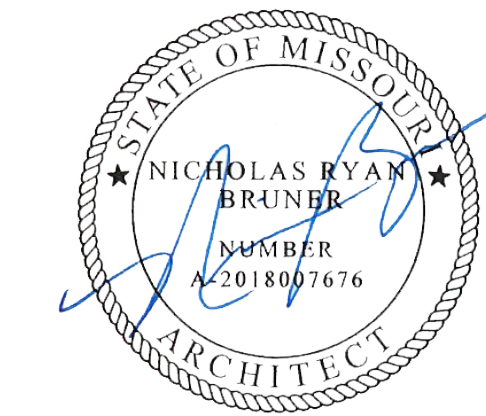


1 ENLARGED SERVICE LINE EQUIPMENT PLAN  
Scale: 1/2" = 1'-0"

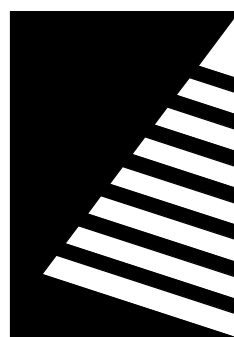
EQUIPMENT SCHEDULE E#					
MARK	DESCRIPTION	COUNT	NEW / EXIST.	RELOCATED FROM	REMARKS
E1	REFRIGERATED CASE	1	EXIST	SERVING LINE	1
E2	COFFEE MAKER	1	EXIST	SERVING LINE	1
E3	COLD MILK DISPENSER	1	NEW		2
E4	COLD BEVERAGE DISPENSER	1	EXIST	SERVING LINE	1
E5	COLD BEVERAGE DISPENSER	1	EXIST	SERVING LINE	1
E6	ICE AND WATER DISPENSER	1	EXIST	SERVING LINE	1
E7	ICED CAPPUCCINO DISPENSER	1	EXIST	SERVING LINE	1
E8	COFFEE URN	1	EXIST	SERVING LINE	1
E11	POPCORN MAKER	1	EXIST	LIBRARY/ACTIVITY ROOM	1
E12	ICE CREAM DISPENSER	1	NEW		2
E13	SODA DISPENSER WITH ICE MAKER	1	NEW		2
E14	MICROWAVE	3	EXIST	(2) BREAK ROOM / (1) LIBRARY	1
E17	REFRIGERATOR	1	EXIST	BREAK ROOM	1
E18	GLASS DOOR FREEZER	1	NEW		2
E19	BEVERAGE COOLER	2	NEW/EXIST	(1) BISTRO	1, 2
E20	PAPER TOWEL DISPENSER	3	EXIST	*VARIES	1
E21	SOAP DISPENSER	3	EXIST	*VARIES	1
E22	COTTON CANDY MACHINE	1	NEW		4

- REMARKS:
1. SALVAGE EXISTING AND RELOCATE
  2. OFCI
  3. CFCI
  4. OFOI

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: THM  
CHECKED BY: NRB  
DESIGNED BY: JHJ


SHEET TITLE:  
**ENLARGED PLANS**

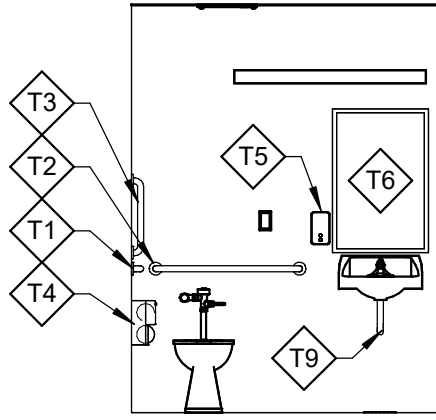
SHEET NUMBER:

**A-117**

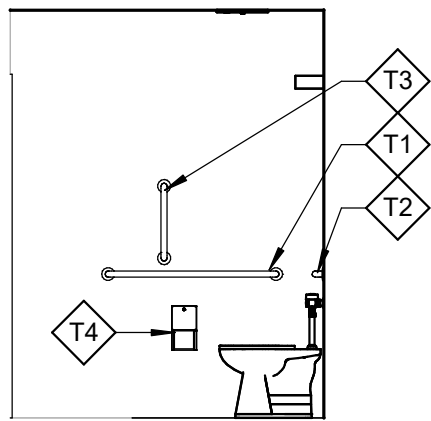
SHEET 57 OF 197  
ISSUE DATE: 08/15/2024



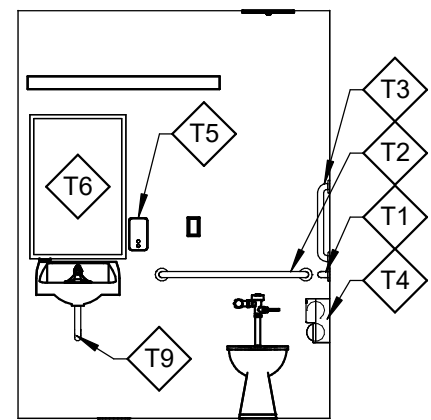
TOILET ACCESSORY SCHEDULE			
MARK	DESCRIPTION	REMARKS	
T1	GRAB BAR (42")		
T2	GRAB BAR (36")		
T3	GRAB BAR (18")		
T4	MULTI-ROLL TOILET TISSUE DISPENSER		
T5	LIQUID SOAP DISPENSER		
T6	FRAMED MIRROR		
T7	MIRROR		
T8	MIRROR		
T9	UNDERLAVATORY GUARD		



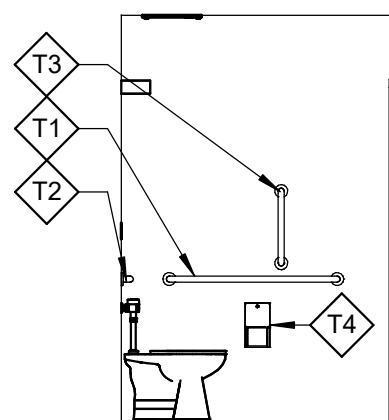
**7 TOILET 2 ELEVATION**  
Scale: 1/4" = 1'-0"



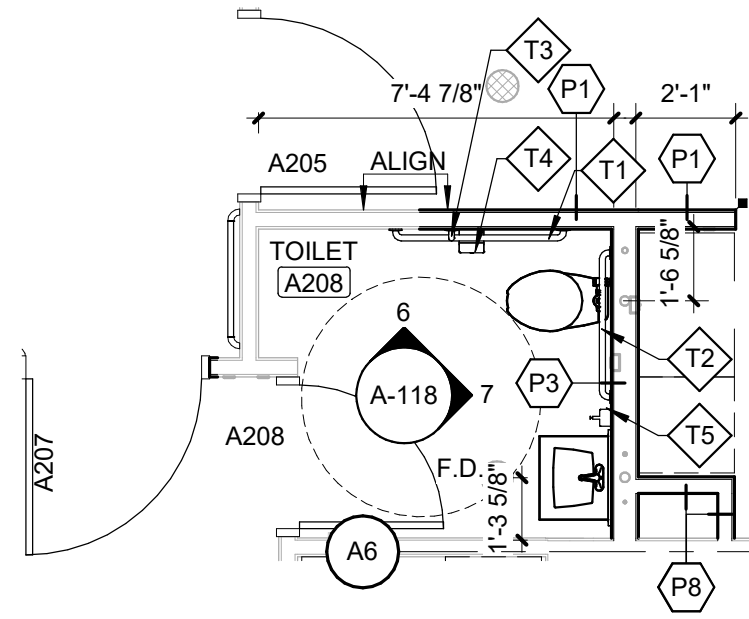
**6 TOILET 2 ELEVATION**  
Scale: 1/4" = 1'-0"



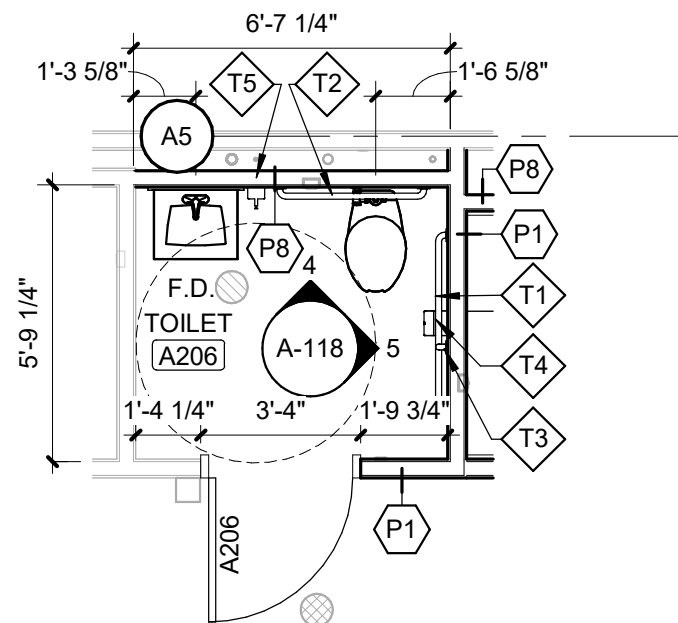
**4 TOILET 1 ELEVATION**  
Scale: 1/4" = 1'-0"



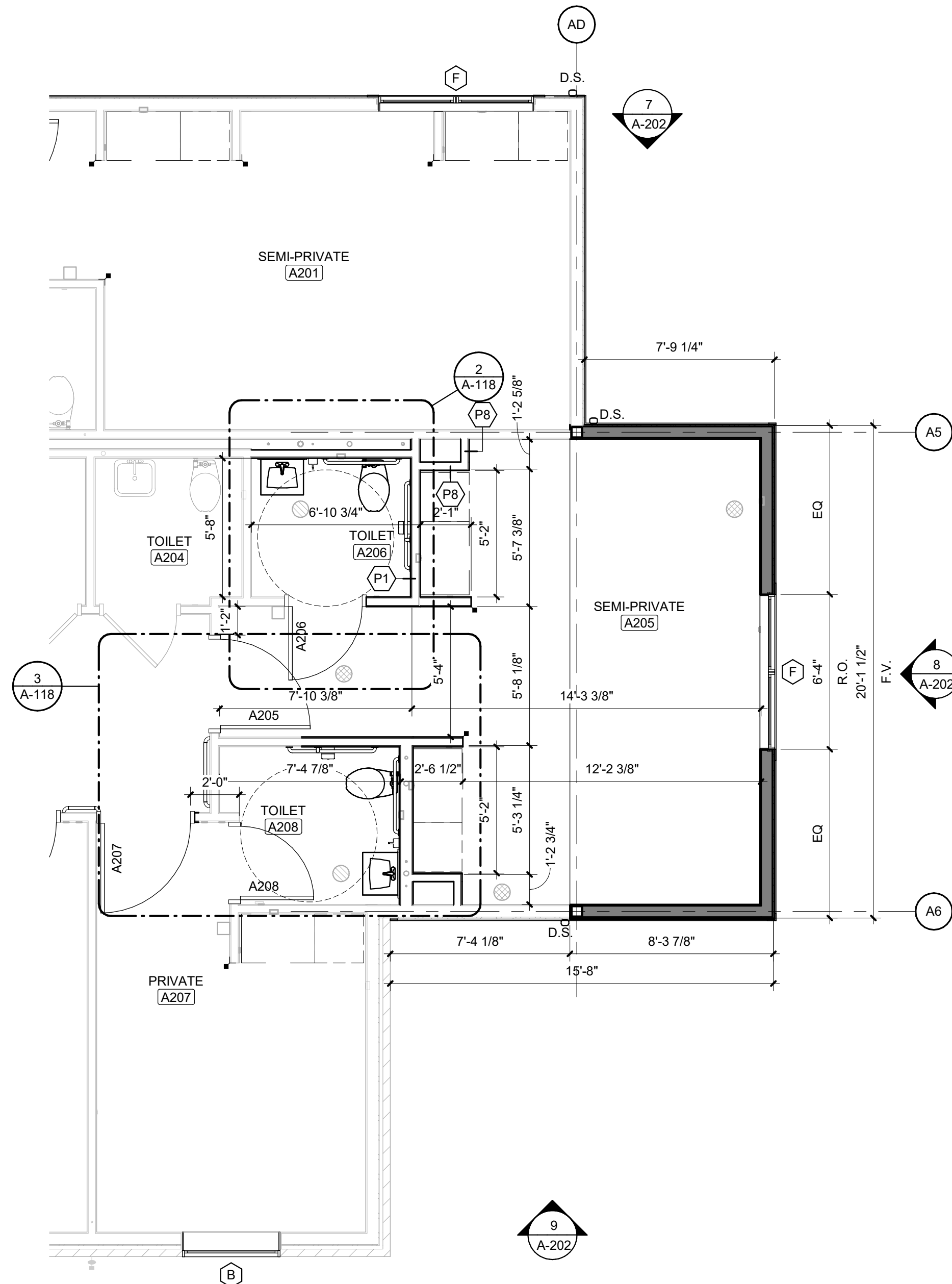
## 5 TOILET 1 ELEVATION



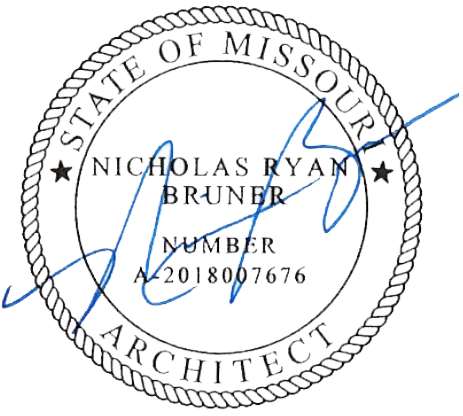
**3 TOILET 2 - ALTERNATE 3**  
Scale: 1/4" = 1'-0"



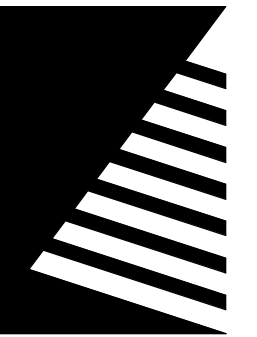
**2 TOILET TYPE 1 - ALTERNATE 3**  
Scale: 1/4" = 1'-0"



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / [info@f-w.com](mailto:info@f-w.com)

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
ASSET #.:	8136803002
FAI #.:	29-043

#	DATE:	DESCRIPTION:
---	-------	--------------

DRAWN BY: THM  
CHECKED BY: NRB  
DESIGNED BY: JJH

SHEET TITLE:

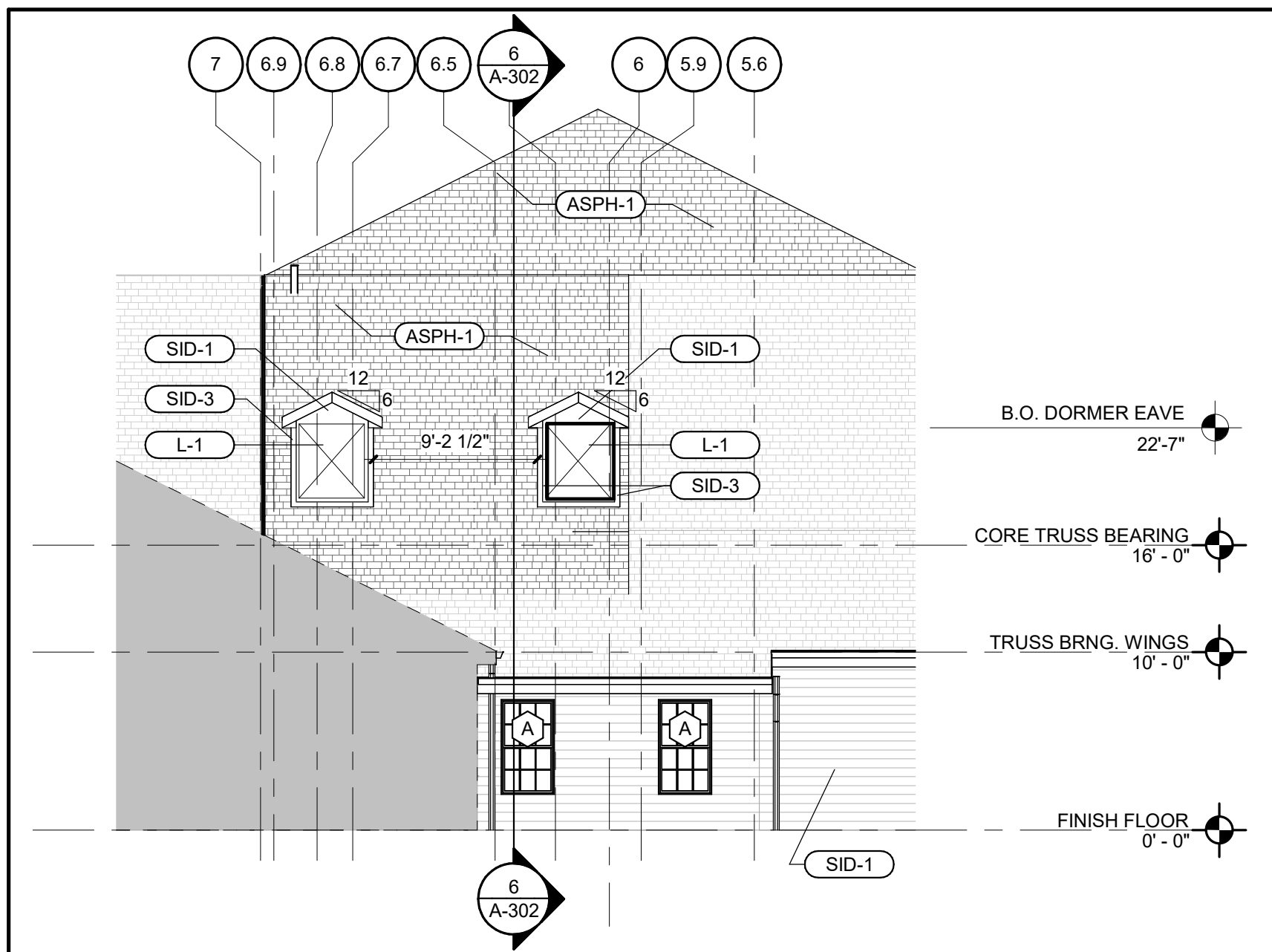
### SWING ROOM ADDITION - ALTERNATE #3

SHEET NUMBER:

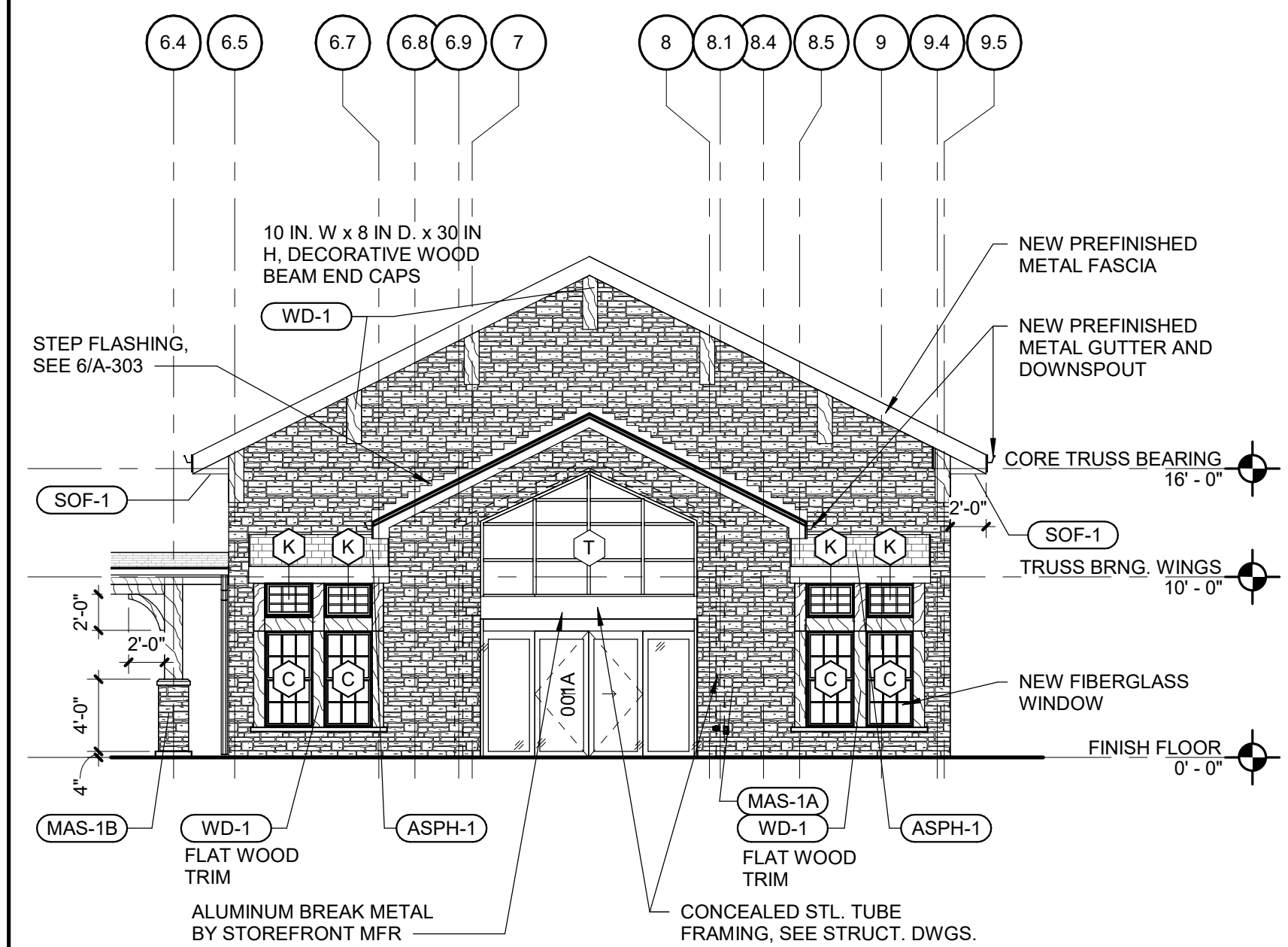
# A-118

SHEET 58 OF 197  
ISSUE DATE: 08/15/2024

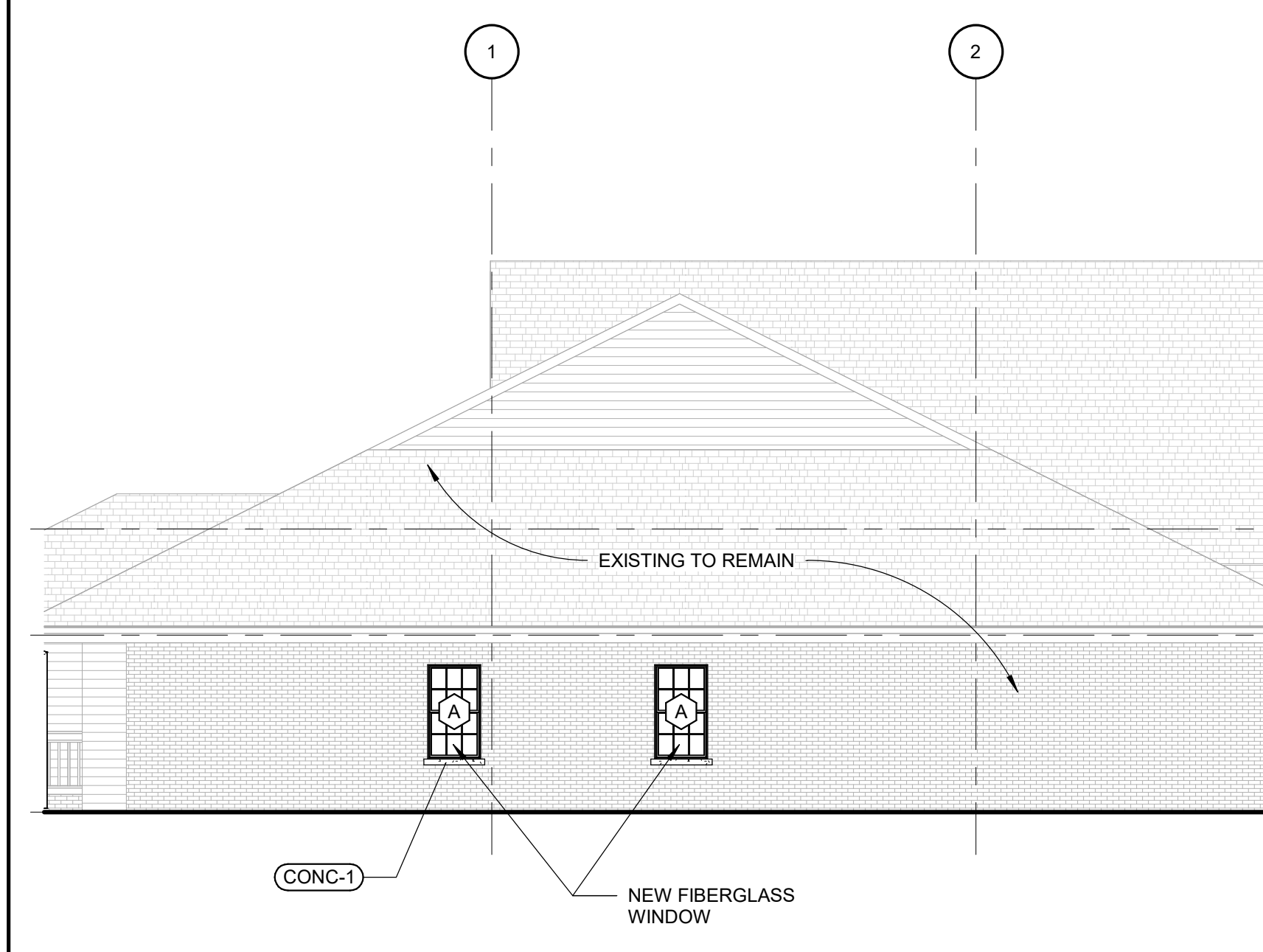




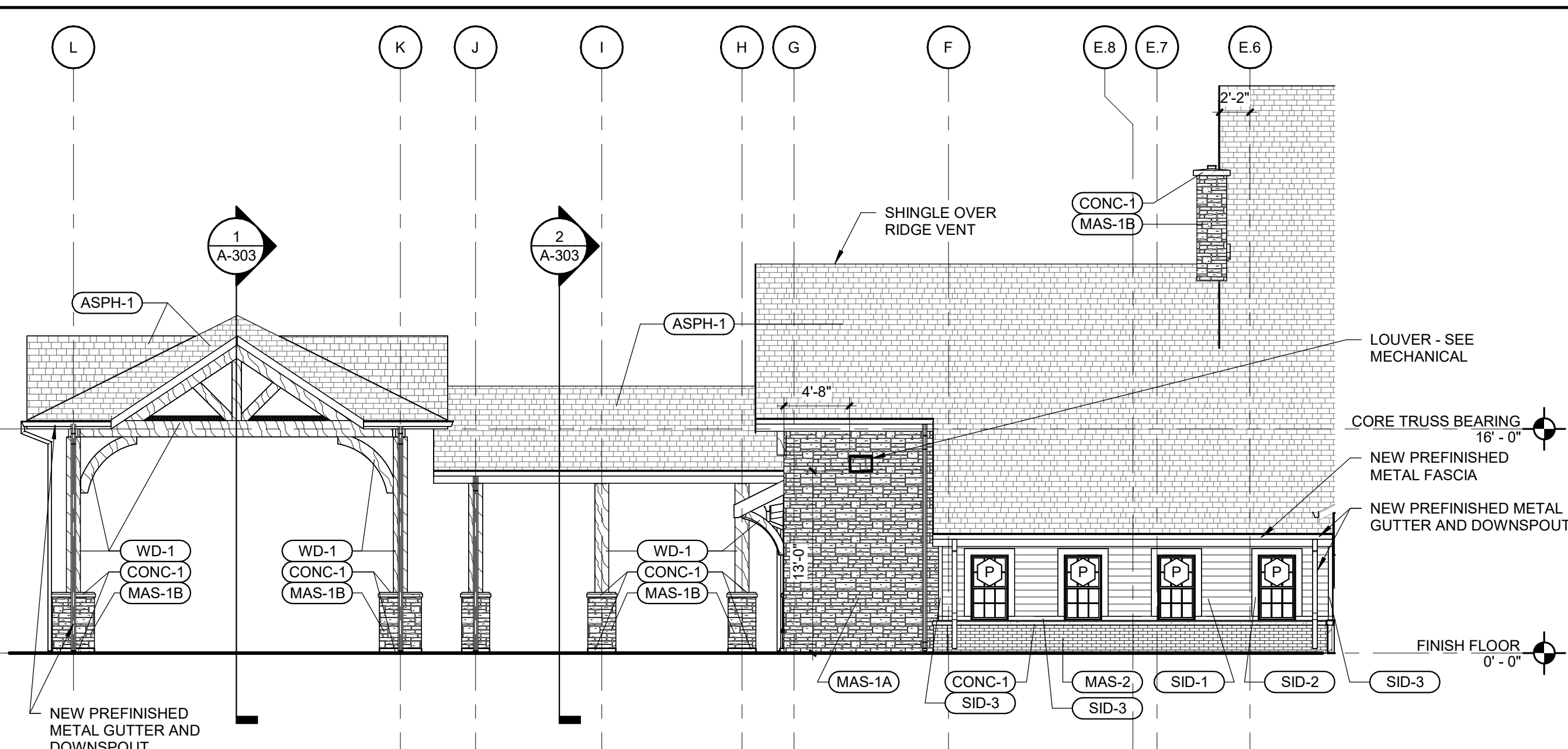
**5 PARTIAL SOUTH ELEVATION**  
Scale: 1/8" = 1'-0"



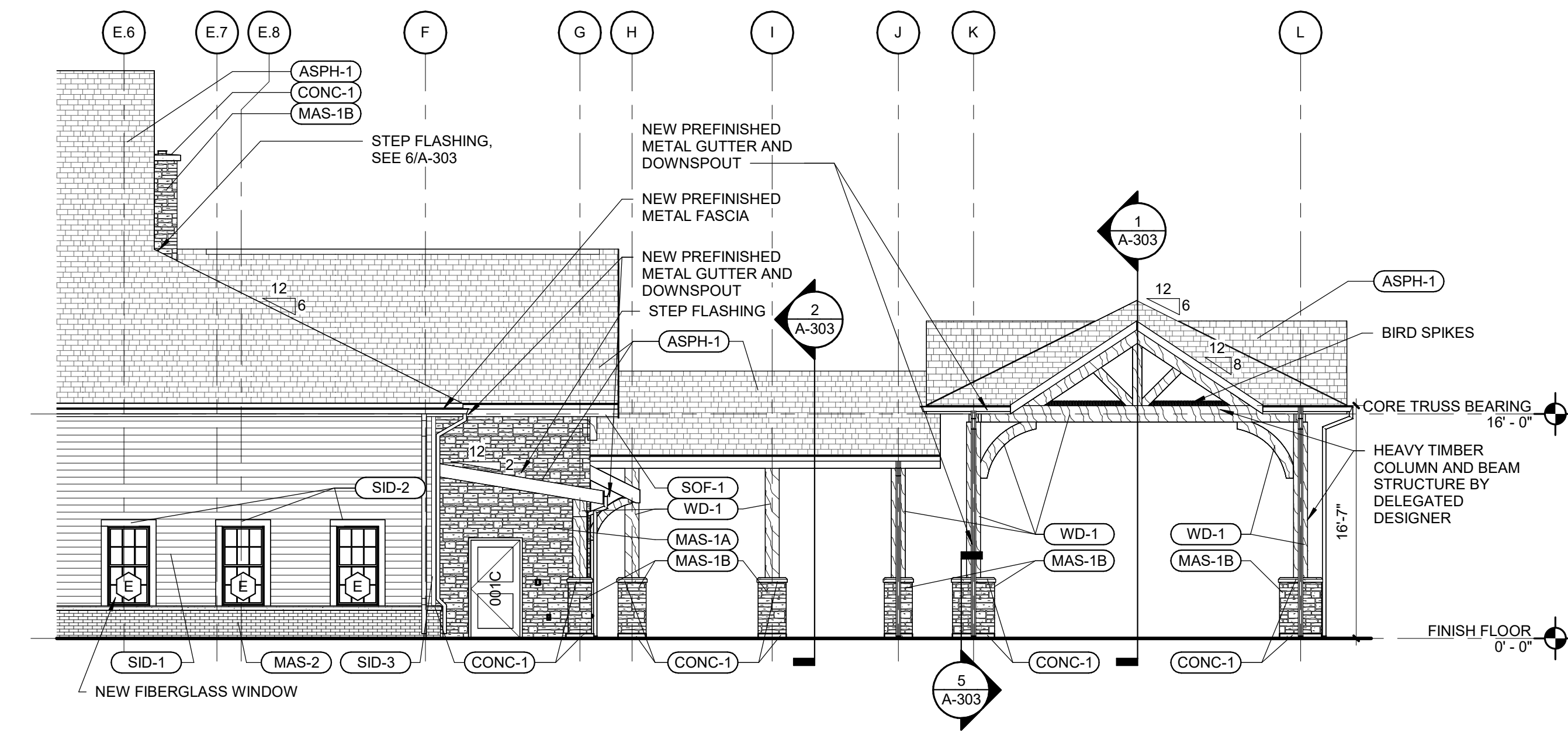
**4 ENTRY ELEVATION**  
Scale: 1/8" = 1'-0"



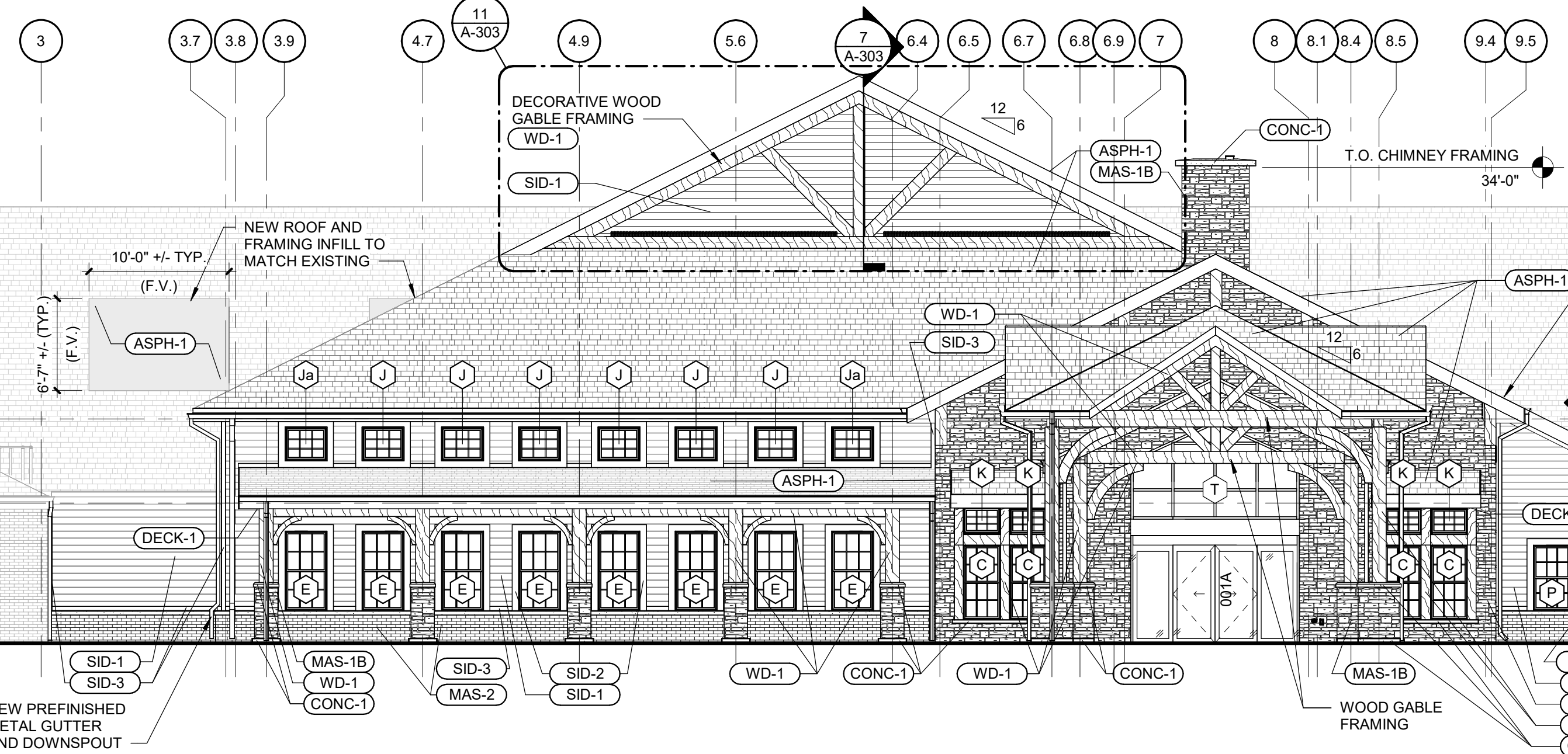
**1 NORTH ELEVATION**  
Scale: 1/8" = 1'-0"



**3 ENTRANCE - WEST ELEVATION**  
Scale: 1/8" = 1'-0"



**2 ENTRANCE - EAST ELEVATION**  
Scale: 1/8" = 1'-0"



EXTERIOR FINISH SCHEDULE				
MARK	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN PRODUCT LINE	SIZE	FINISH
ASPH-1	CERTAINTED	ARCHITECTURAL SHINGLE- ALGAE RESISTANT	MATCH EXISTING	MATCH EXISTING/HARBOR GRAY 6105
CONC-1	CALIBER CAST STONE	ARCHITECTURAL CONCRETE	SEE DRAWINGS	NATURAL LIMESTONE
DECK-1	VERMONT TIMBER WORKS	T&G EXPOSED DOUGLAS FIR WOOD DECKING	2X8 NOMINAL	NATURAL CEDAR TONE SEMI TRANSPARENT- ARBORCOAT
L-1	RUSKIN	EXTRUDED ALUMINUM LOUVER	SEE MECHANICAL DRAWINGS AND SCHEDULE	PAINTED PVDF
MAS-1A	EARTHWORKS	FULL STONE VENEER- HARVEST MIX SNAPPED	3'-9" SNAPPED	SEE PRODUCT
MAS-1B	EARTHWORKS	THIN ADHERED STONE- HARVEST MIX SNAPPED	3'-9" SNAPPED	SEE PRODUCT
MAS-2	SIoux CITY BRICK	AMHERST VELOUR	MATCH EXISTING	SEE PRODUCT
SID-1	JAMES HARDIE	FIBER CEMENT BOARD; HARDIPLANK; LAP SIDING	7" EXPOSURE	EVENING BLUE; CEDARMILL
SID-2	JAMES HARDIE	FIBER CEMENT BOARD; HARDIE TRIM BOARDS; 4/4 NT3 SMOOTH	5-1/2" WIDTH x 3/4" THICK	ARCTIC WHITE
SID-3	JAMES HARDIE	FIBER CEMENT BOARD; HARDIE TRIM BOARDS; 4/4 NT3 SMOOTH	3-1/2" WIDTH x 3/4" THICK	ARCTIC WHITE
SOF-1	ROLLEX	PREFINISHED ALUMINUM VENTED SOFFIT	SEE SPECIFICATIONS	WHITE
WD-1	VERMONT TIMBER WORKS	DOUGLAS FIR WOOD SUPPORTS	BY DELEGATED DESIGNER, MIN. 6 IN X 6 IN	NATURAL CEDAR TONE SEMI TRANSPARENT- ARBORCOAT

ASPH ASPHALT  
CONC CONCRETE  
DECK DECKING  
L LOUVER  
MAS MASONRY  
SID SIDING  
SOF SOFFIT  
WD WOOD

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION  
MISSOURI VETERANS  
COMMISSION

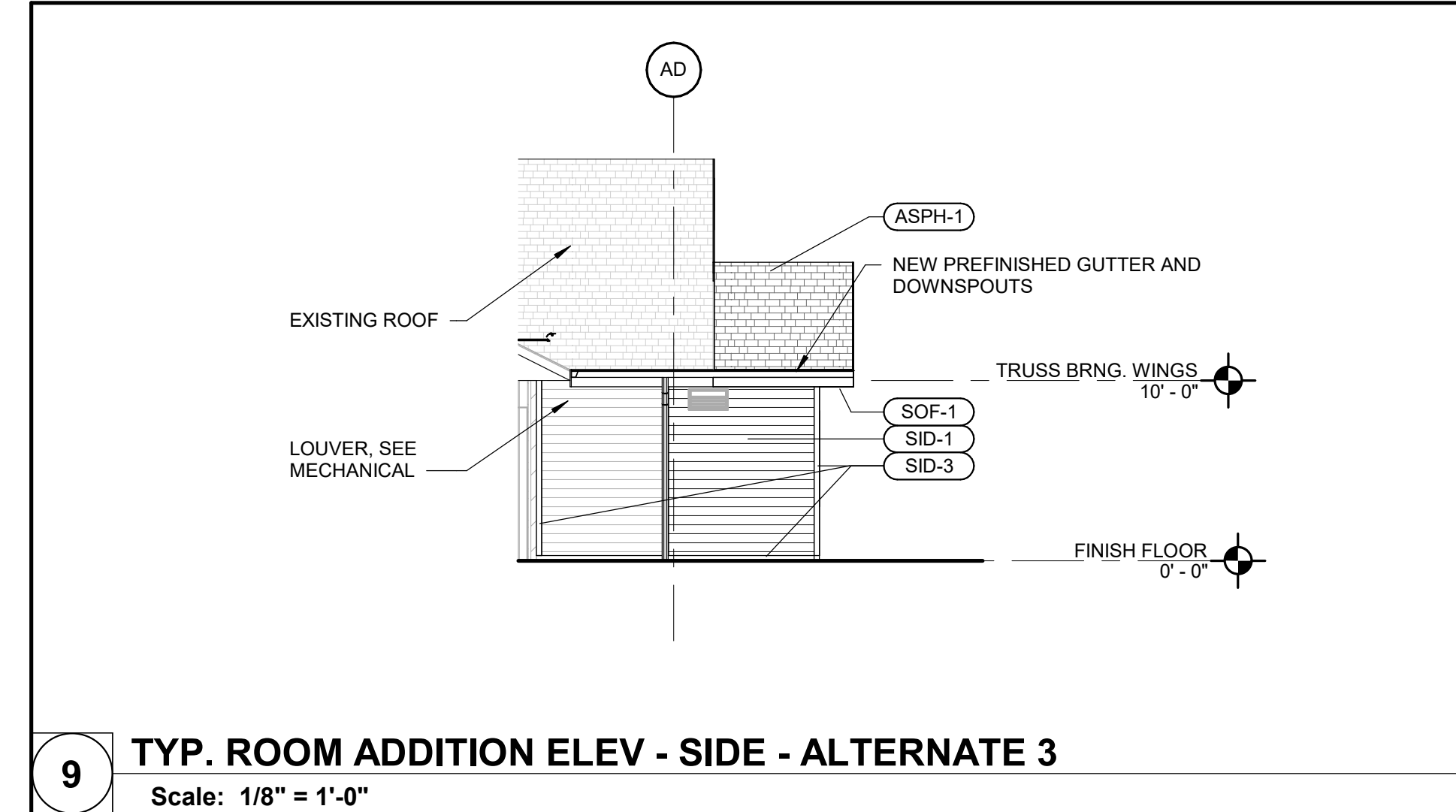
**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**  
2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
ASSET #: 8136803002  
FAI #: 29-043  
# DATE: DESCRIPTION:

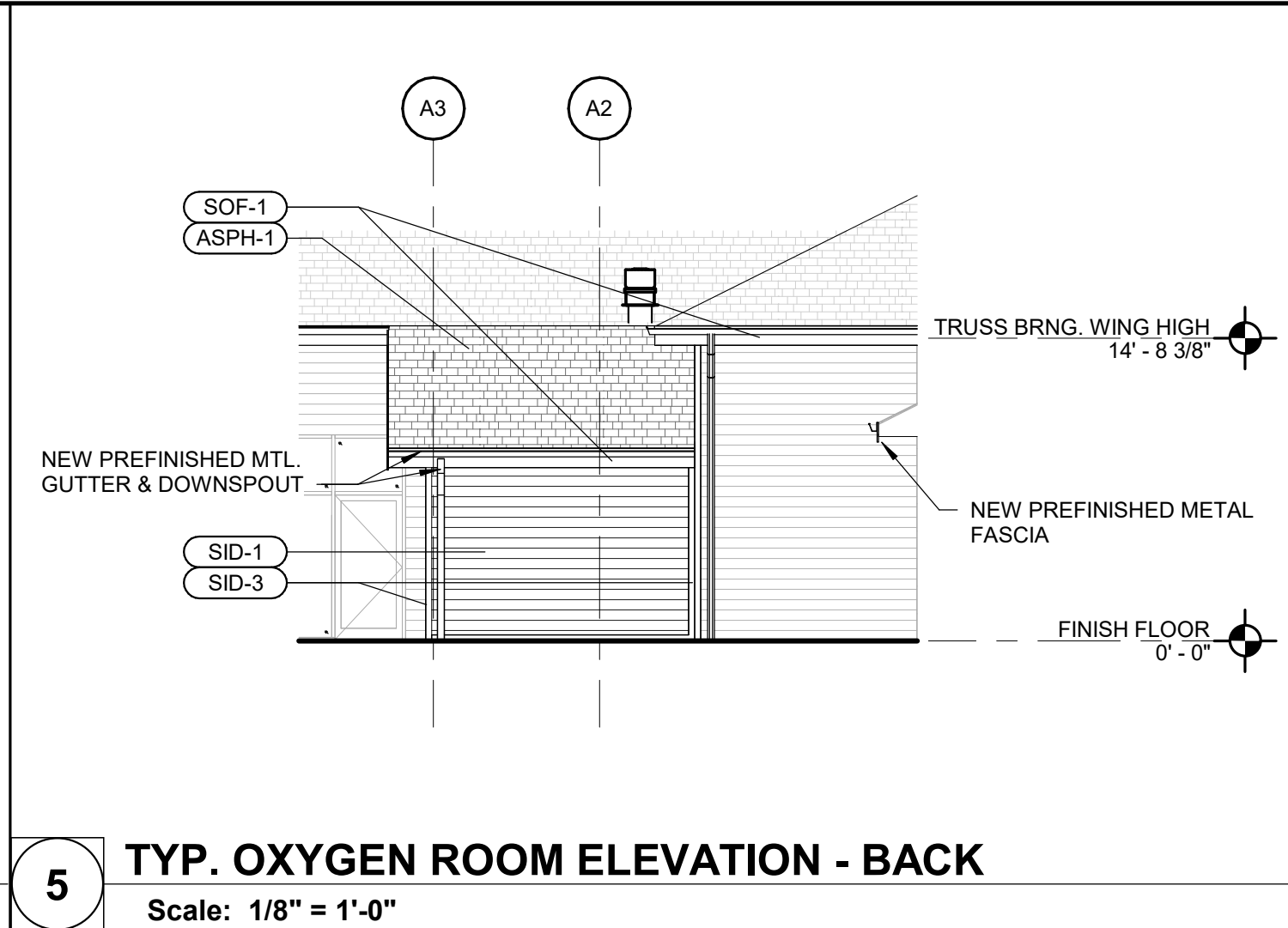
DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JUH  
SHEET TITLE:  
**EXTERIOR  
ELEVATIONS**

SHEET NUMBER:  
**A-201**  
SHEET 59 OF 197  
ISSUE DATE: 08/15/2024

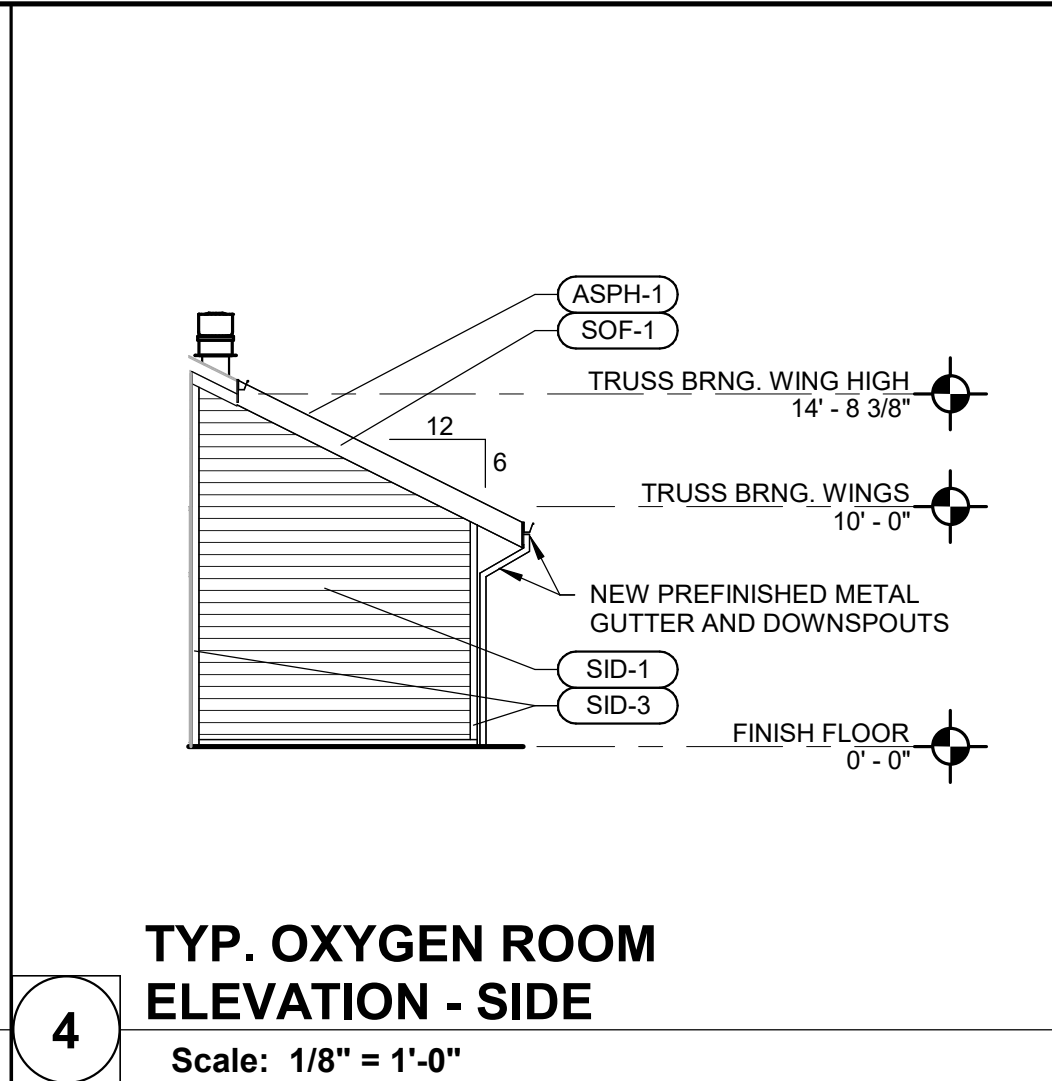




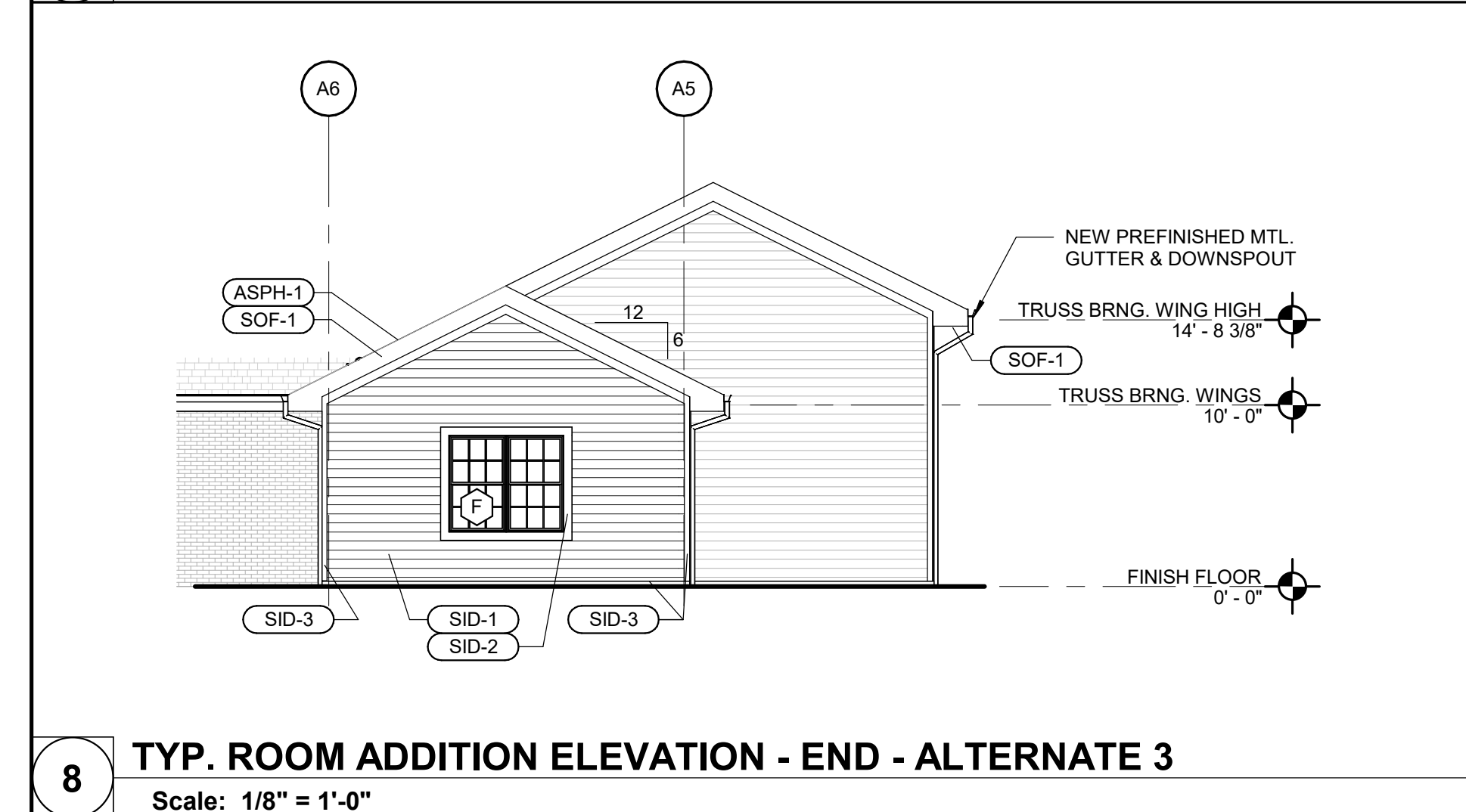
9 TYP. ROOM ADDITION ELEV - SIDE - ALTERNATE 3  
Scale: 1/8" = 1'-0"



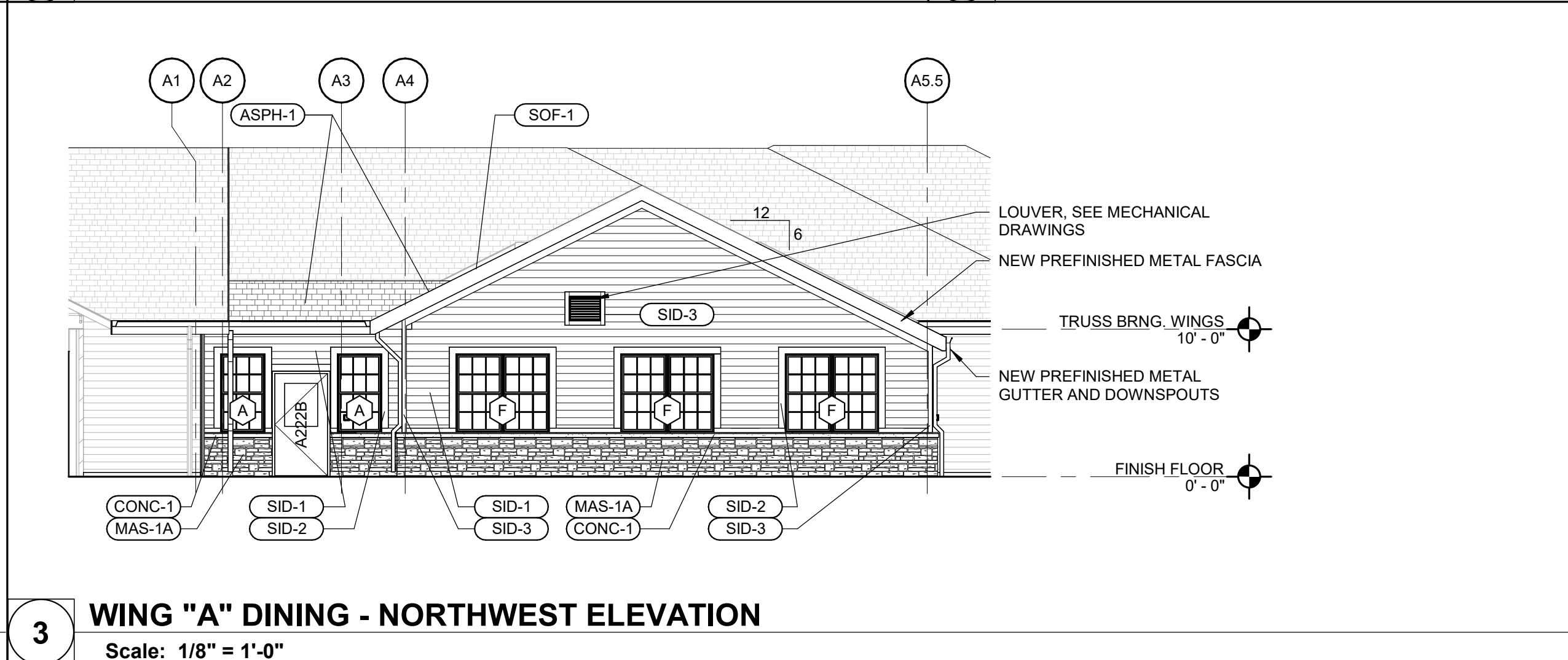
5 TYP. OXYGEN ROOM ELEVATION - BACK  
Scale: 1/8" = 1'-0"



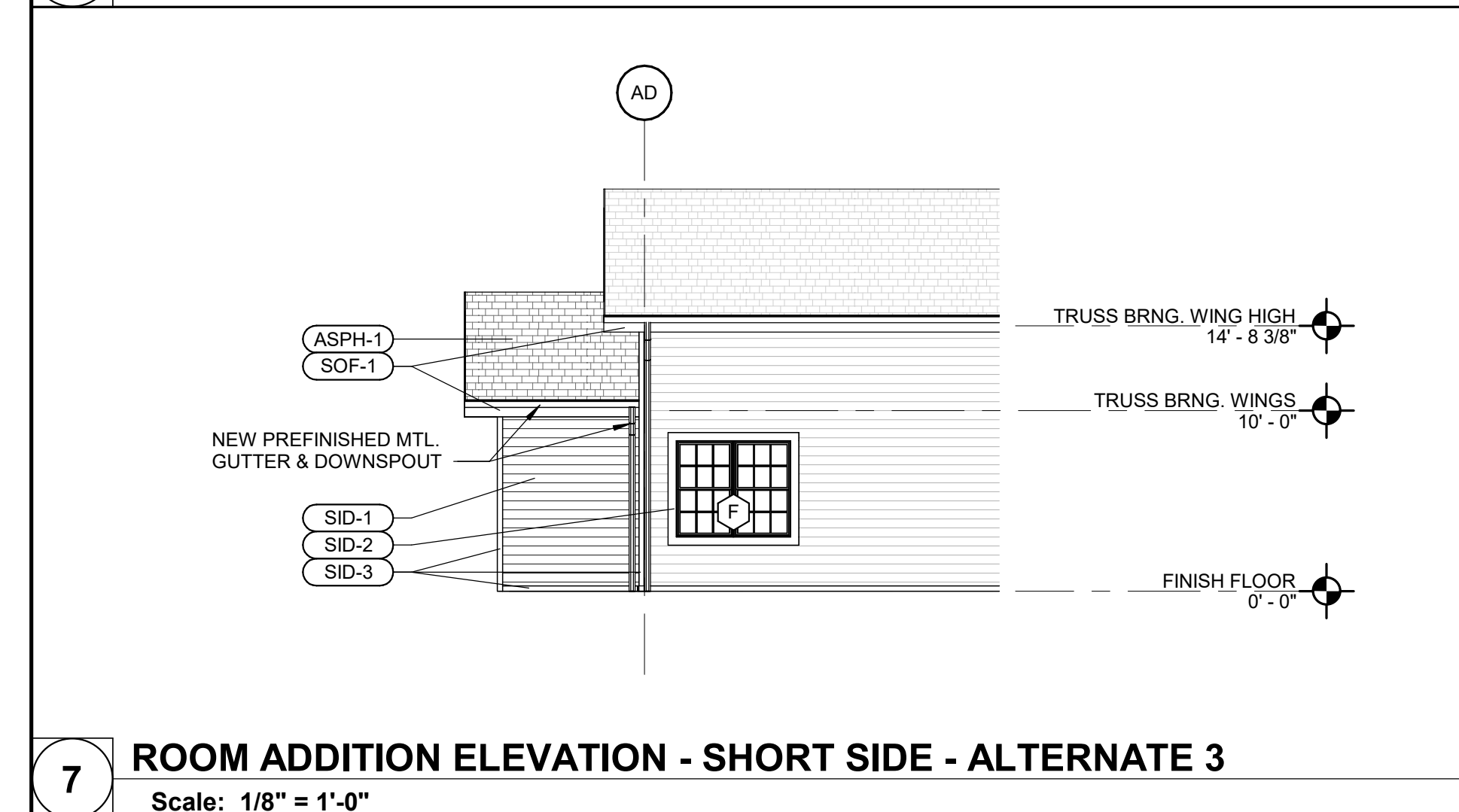
4 TYP. OXYGEN ROOM ELEVATION - SIDE  
Scale: 1/8" = 1'-0"



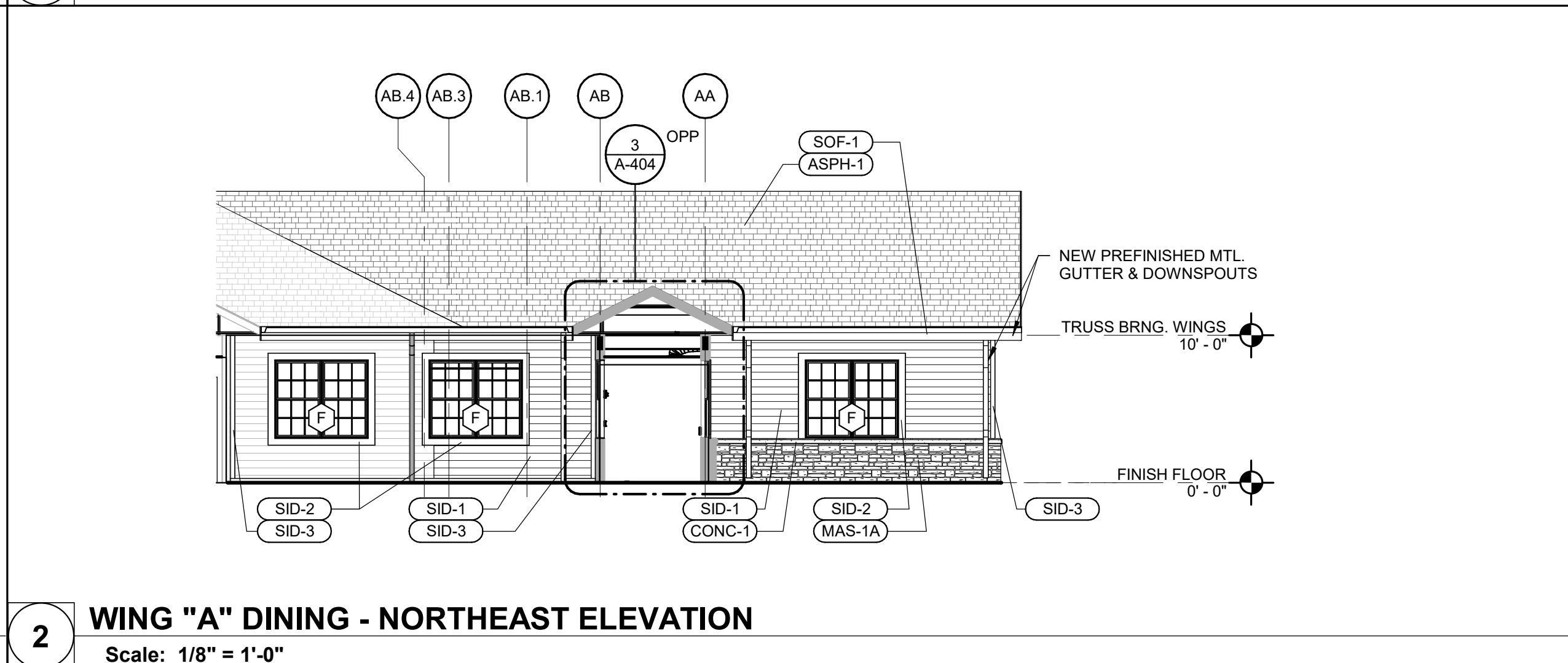
8 TYP. ROOM ADDITION ELEVATION - END - ALTERNATE 3  
Scale: 1/8" = 1'-0"



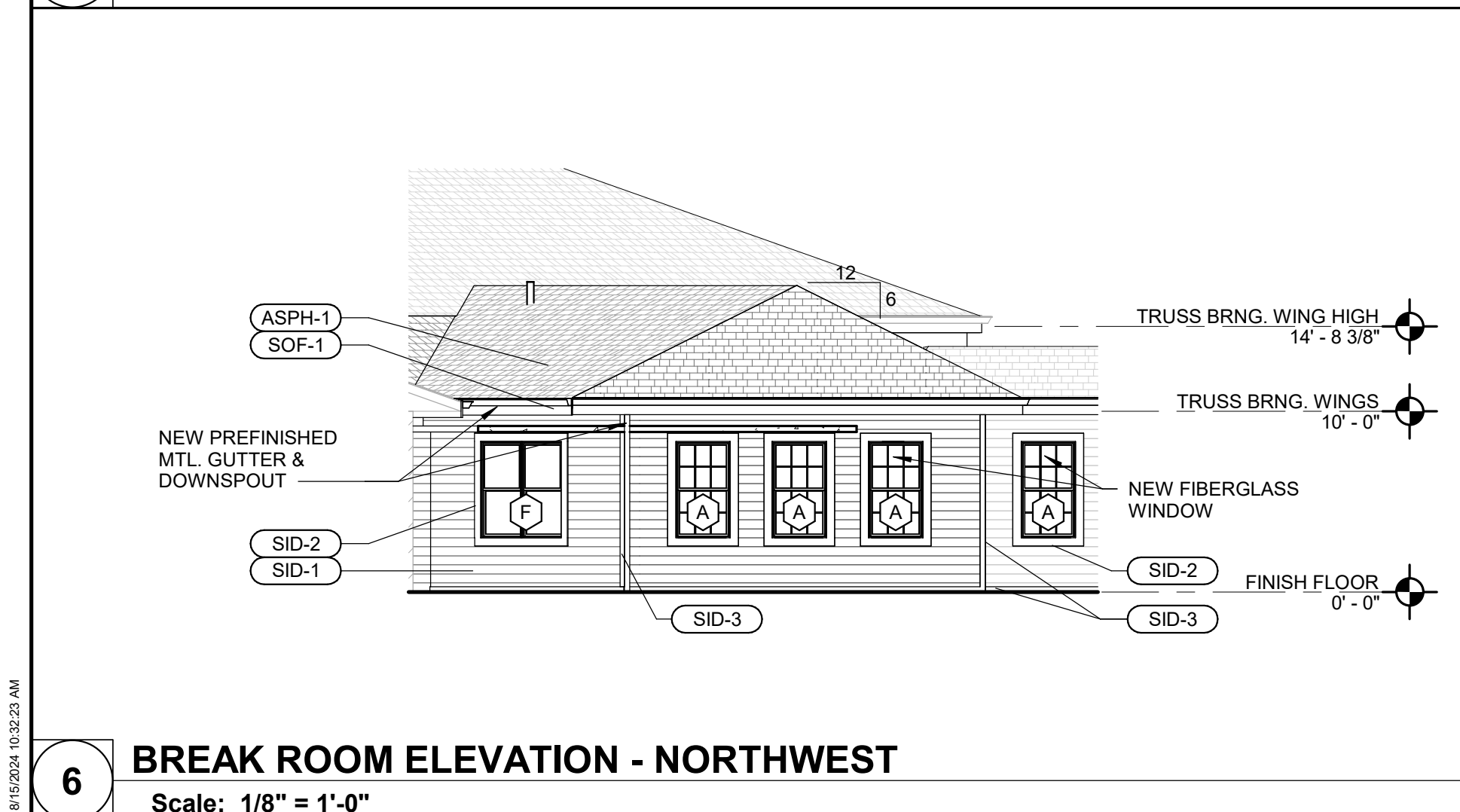
3 WING "A" DINING - NORTHWEST ELEVATION  
Scale: 1/8" = 1'-0"



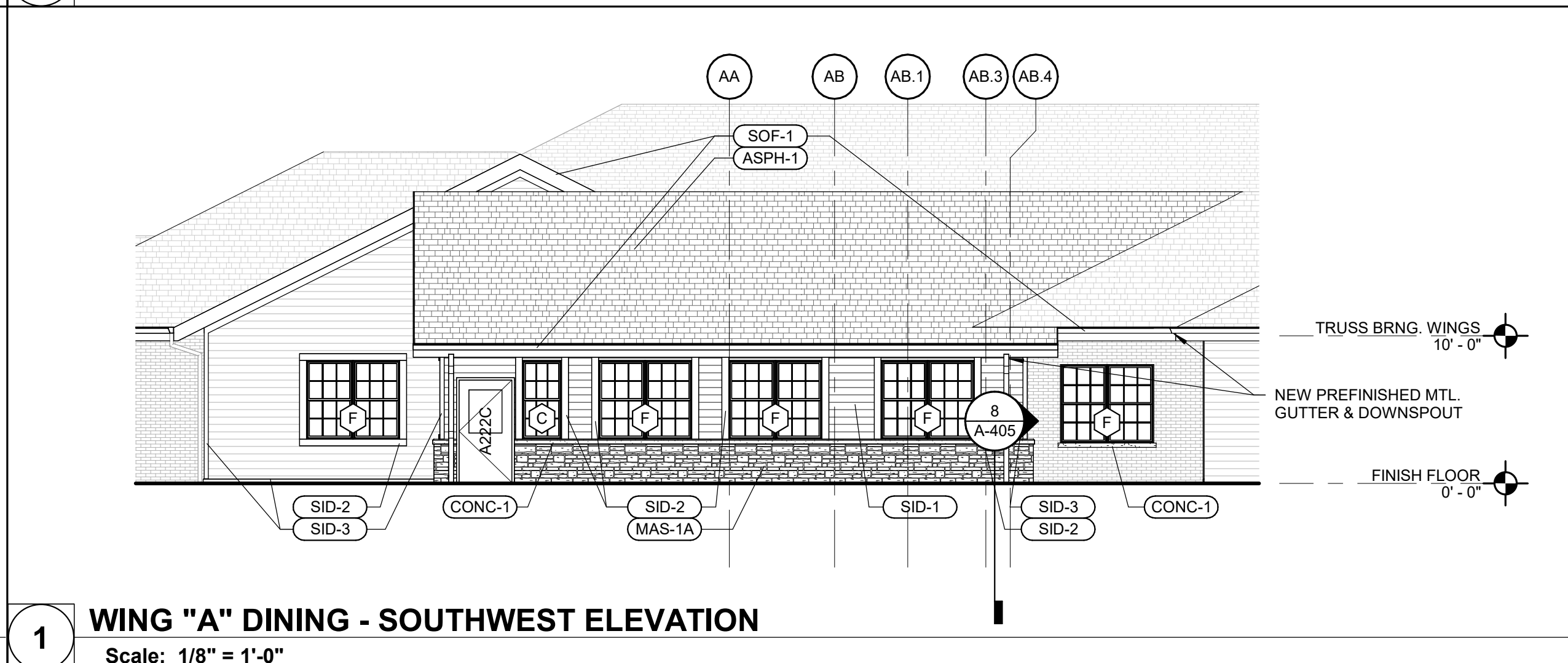
7 ROOM ADDITION ELEVATION - SHORT SIDE - ALTERNATE 3  
Scale: 1/8" = 1'-0"



2 WING "A" DINING - NORTHEAST ELEVATION  
Scale: 1/8" = 1'-0"



6 BREAK ROOM ELEVATION - NORTHWEST  
Scale: 1/8" = 1'-0"

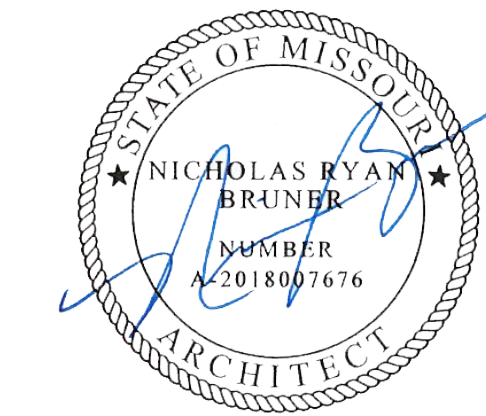


1 WING "A" DINING - SOUTHWEST ELEVATION  
Scale: 1/8" = 1'-0"

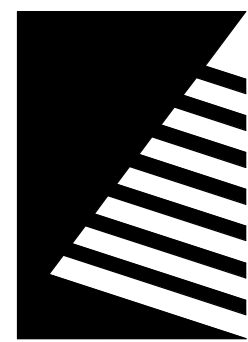
EXTERIOR FINISH SCHEDULE					
MARK	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN PRODUCT LINE	SIZE	FINISH	NOTES
ASPH-1	CERTAINTED	ARCHITECTURAL SHINGLE- ALGAE RESISTANT	MATCH EXISTING	MATCH EXISTING/HARBOR GRAY 6105	
CONC-1	CALIBER CAST STONE	ARCHITECTURAL CONCRETE	SEE DRAWINGS	NATURAL LIMESTONE	COLOR TO BE SELECTED FROM MFG'S FULL RANGE
MAS-1A	EARTHWORKS	FULL STONE VENEER - HARVEST MIX SNAPPED	3'-9" SNAPPED	SEE PRODUCT	FULL DEPTH 4IN NOMINAL
SID-1	JAMES HARDIE	FIBER CEMENT BOARD; HARDIPLANK; LAP SIDING	7" EXPOSURE	EVENING BLUE; CEDARMILL	
SID-2	JAMES HARDIE	FIBER CEMENT BOARD; HARDIE TRIM BOARDS; 4/4 NT3 SMOOTH	5-1/2" WIDTH x 3/4" THICK	ARCTIC WHITE	
SID-3	JAMES HARDIE	FIBER CEMENT BOARD; HARDIE TRIM BOARDS; 4/4 NT3 SMOOTH	3-1/2" WIDTH x 3/4" THICK	ARCTIC WHITE	
SOF-1	ROLLEX	PREFINISHED ALUMINUM VENTED SOFFIT	SEE SPECIFICATIONS	WHITE	

ASPH ASPHALT  
CONC CONCRETE  
DECK DECKING  
L LOUVER  
MAS MASONRY  
SID SIDING  
SOF SOFFIT  
WD WOOD

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JHJ

SHEET TITLE:

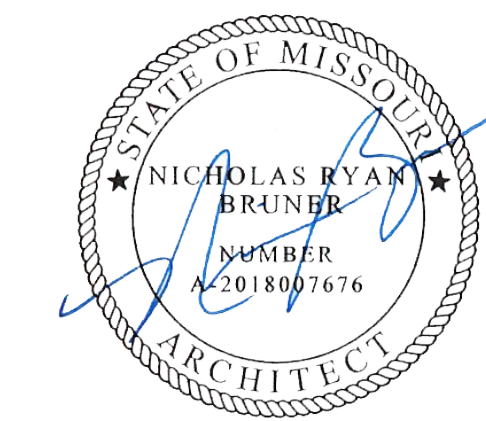
EXTERIOR  
ELEVATIONS

SHEET NUMBER:

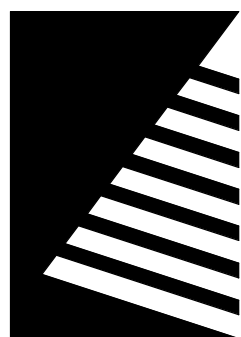
A-202

SHEET 60 OF 197  
ISSUE DATE: 08/15/2024





Dated: 08/15/2024



## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

### 100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

### UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: THM  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:

### EXTERIOR ELEVATIONS - MAINTENANCE SHED & BUS PARK

SHEET NUMBER:

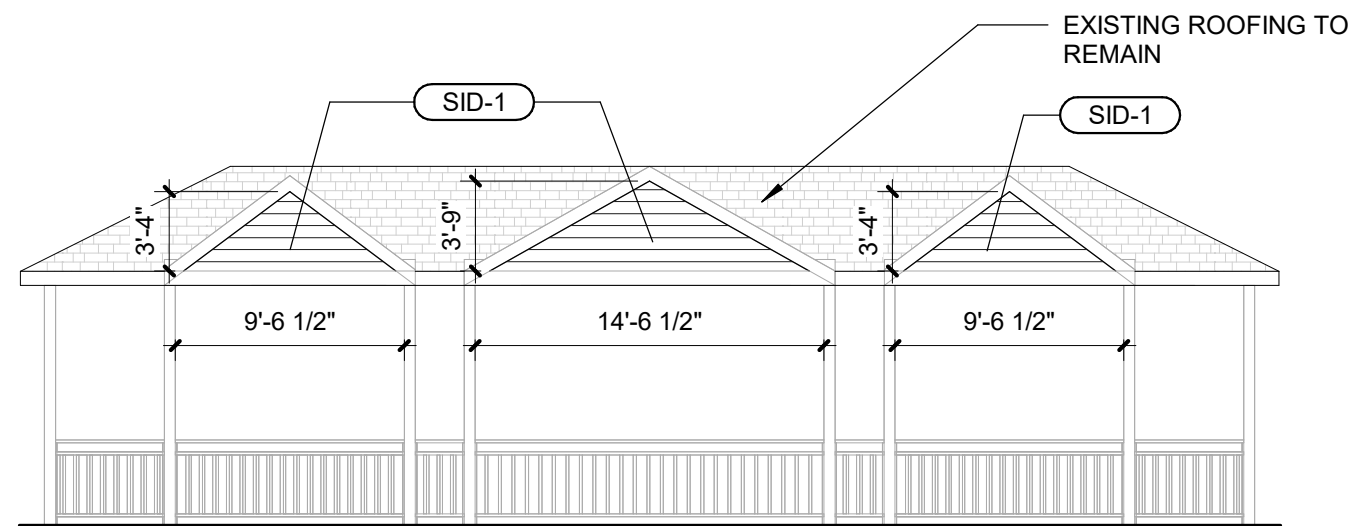
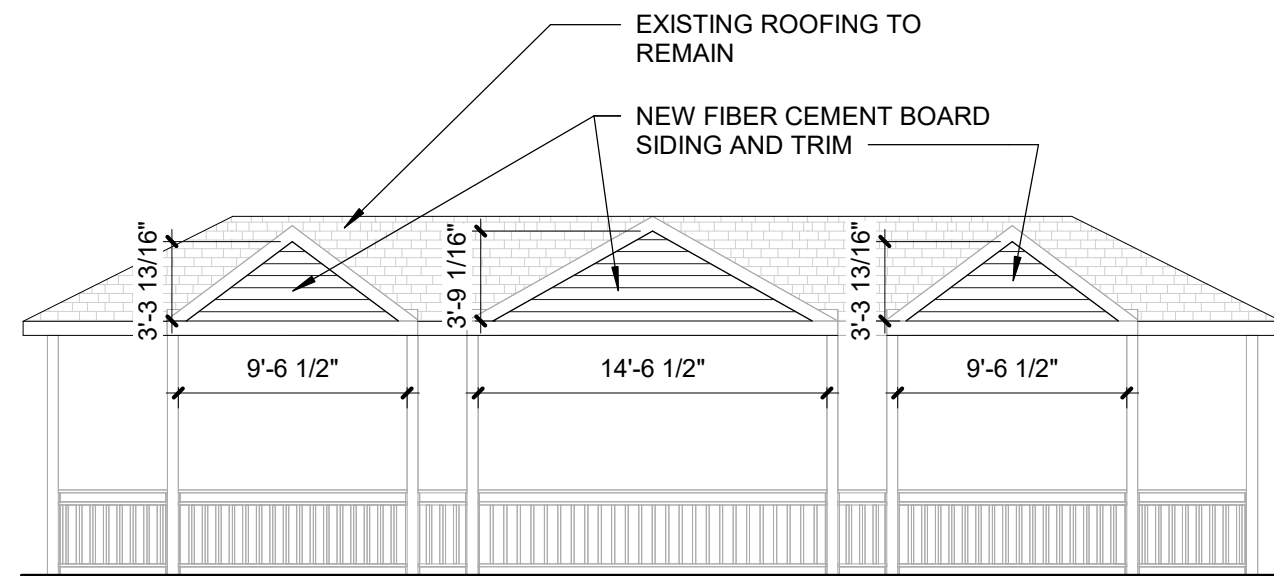
# A-203

SHEET 61 OF 197  
ISSUE DATE: 08/15/2024

#### EXTERIOR FINISH SCHEDULE

MARK	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN PRODUCT LINE	SIZE	FINISH	NOTES
SID-1	JAMES HARDIE	FIBER CEMENT BOARD; HARDIPLANK; LAP SIDING	7" EXPOSURE	EVENING BLUE; CEDARMILL	
SID-2	JAMES HARDIE	FIBER CEMENT BOARD; HARDIE TRIM BOARDS; 4/4 NT3 SMOOTH	5-1/2" WIDTH x 3/4" THICK	ARCTIC WHITE	
SID-3	JAMES HARDIE	FIBER CEMENT BOARD; HARDIE TRIM BOARDS; 4/4 NT3 SMOOTH	3-1/2" WIDTH x 3/4" THICK	ARCTIC WHITE	

ASPH ASPHALT  
CONC CONCRETE  
DECK DECKING  
L LOUVER  
MAS MASONRY  
SID SIDING  
SOF SOFFIT  
WD WOOD

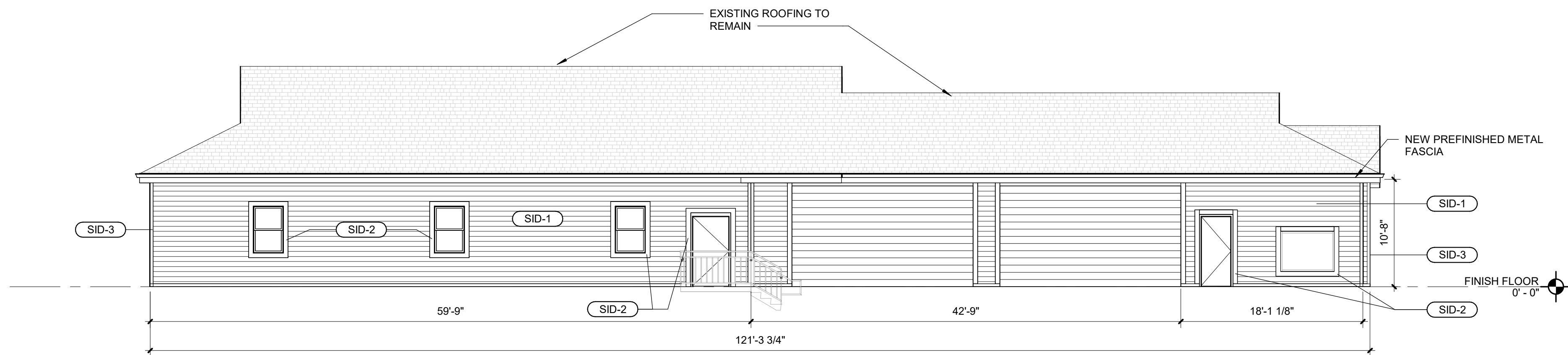


#### 6 BUS PARK - SOUTH ELEVATION

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

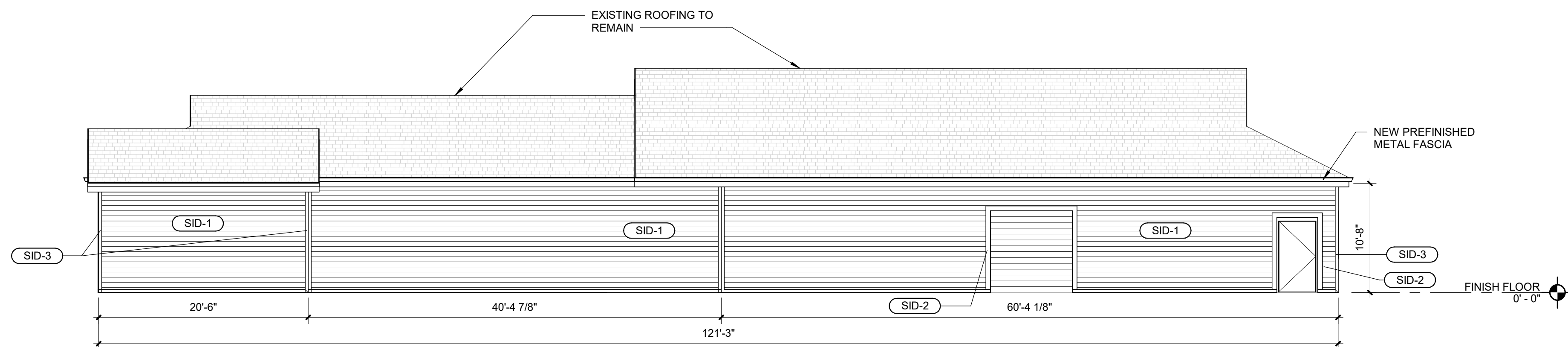
#### 5 BUS PARK - NORTH ELEVATION

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



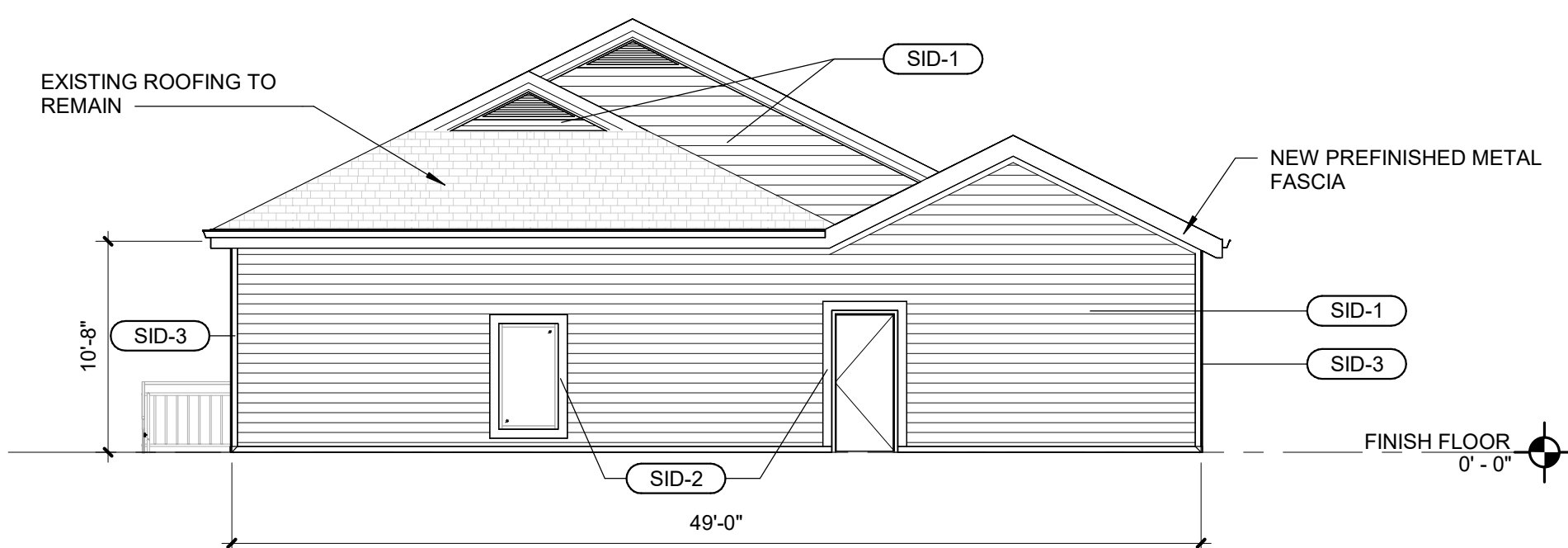
#### 4 MAINTENANCE SHED - WEST ELEVATION

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



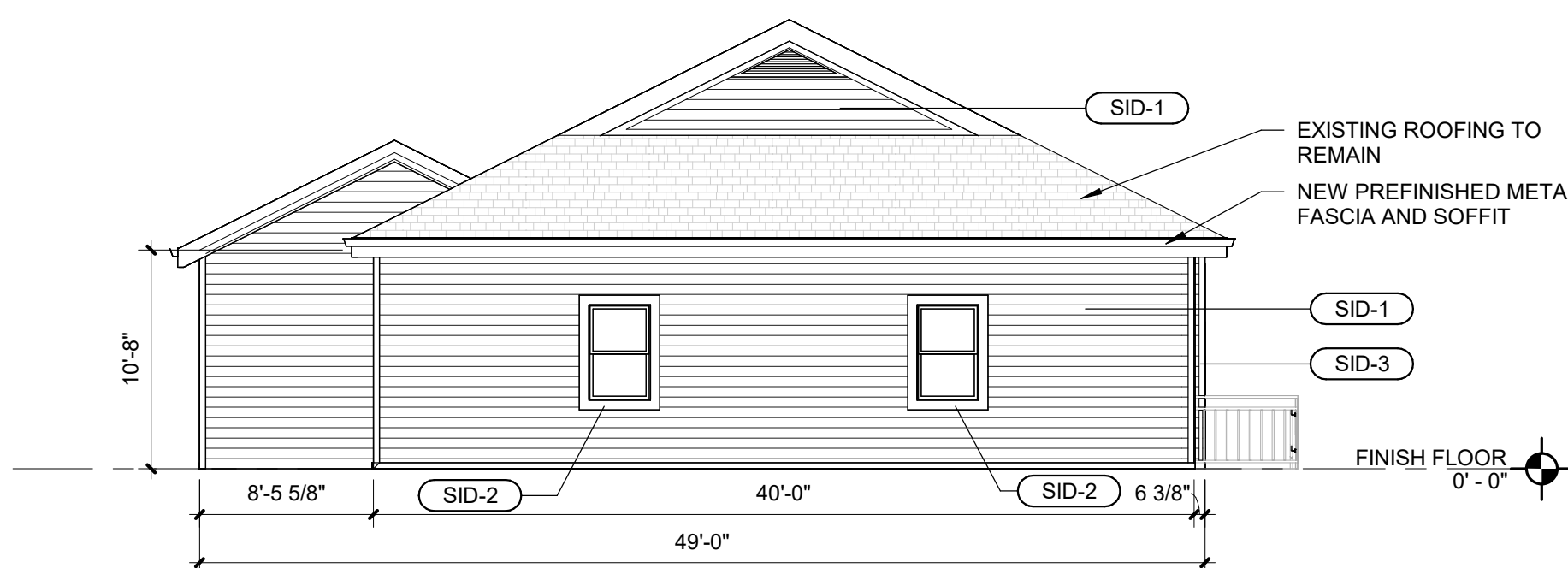
#### 3 MAINTENANCE SHED - EAST ELEVATION

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



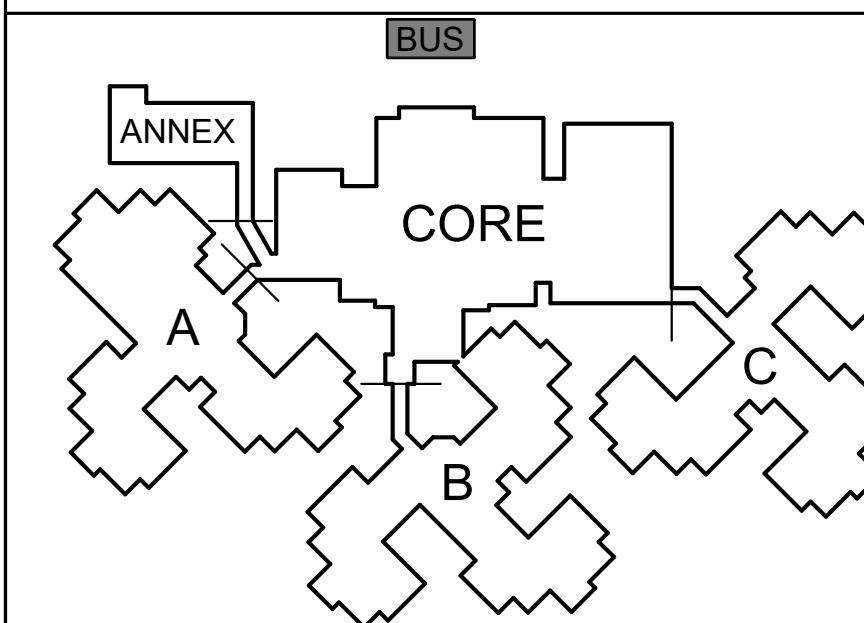
#### 2 MAINTENANCE SHED - SOUTH ELEVATION

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



#### 1 MAINTENANCE SHED - NORTH ELEVATION

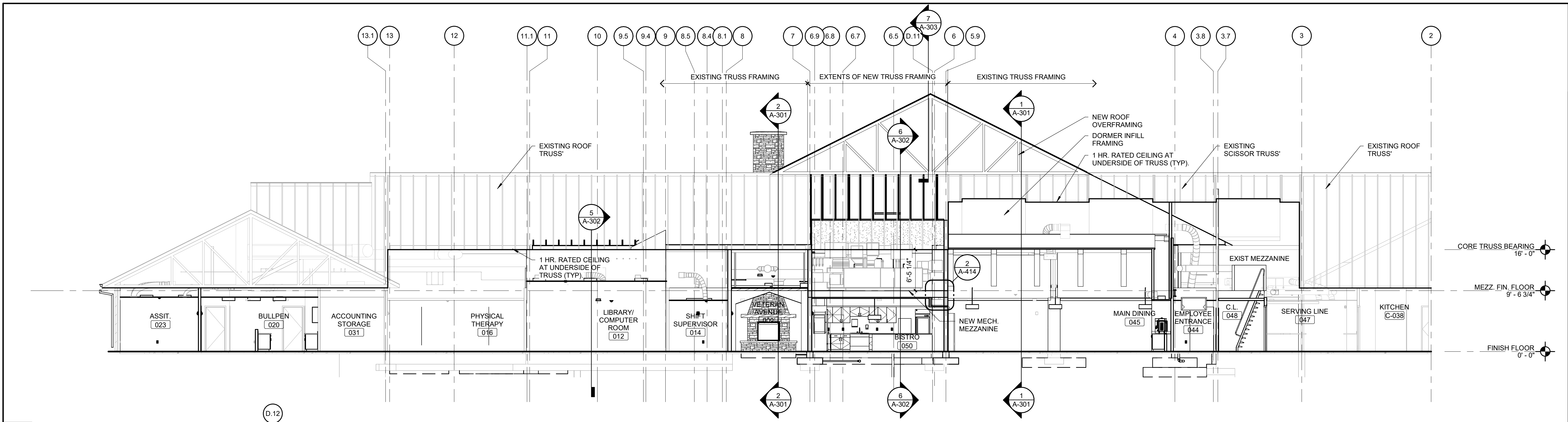
Scale: 1/8" = 1'-0"



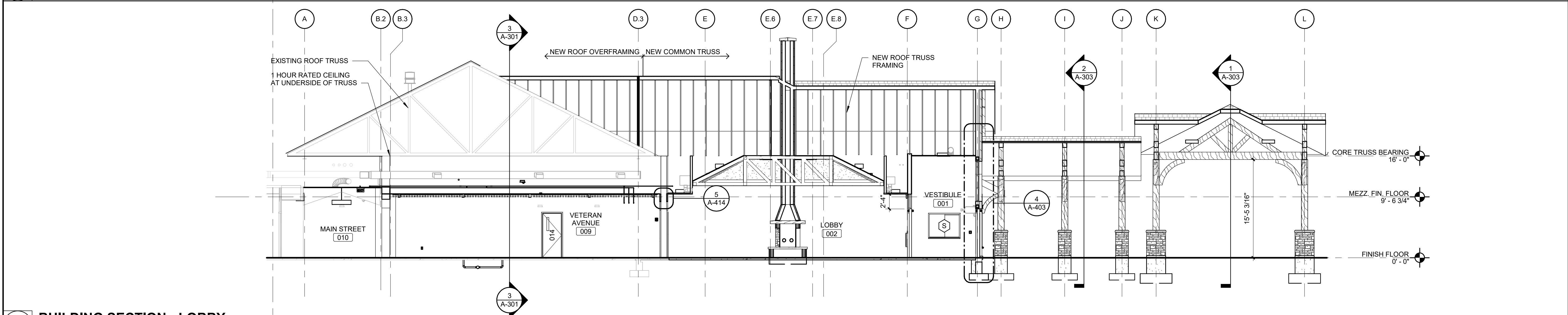
#### KEY PLAN

SCALE: NO SCALE

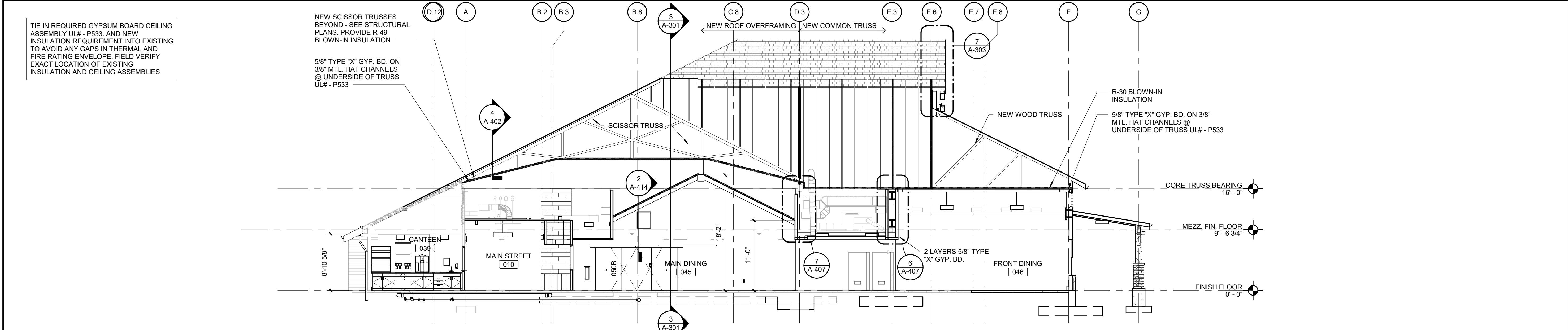




**3 BUILDING SECTION**  
Scale: 1/8" = 1'-0"

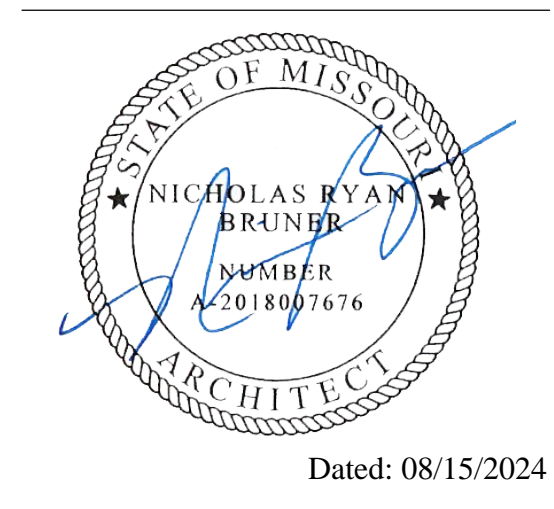


**2 BUILDING SECTION - LOBBY**  
Scale: 1/8" = 1'-0"



**1 BUILDING SECTION - DINING**  
Scale: 1/8" = 1'-0"

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
ASSET #: 8136803002  
FAI #: 29-043

# DATE: DESCRIPTION:

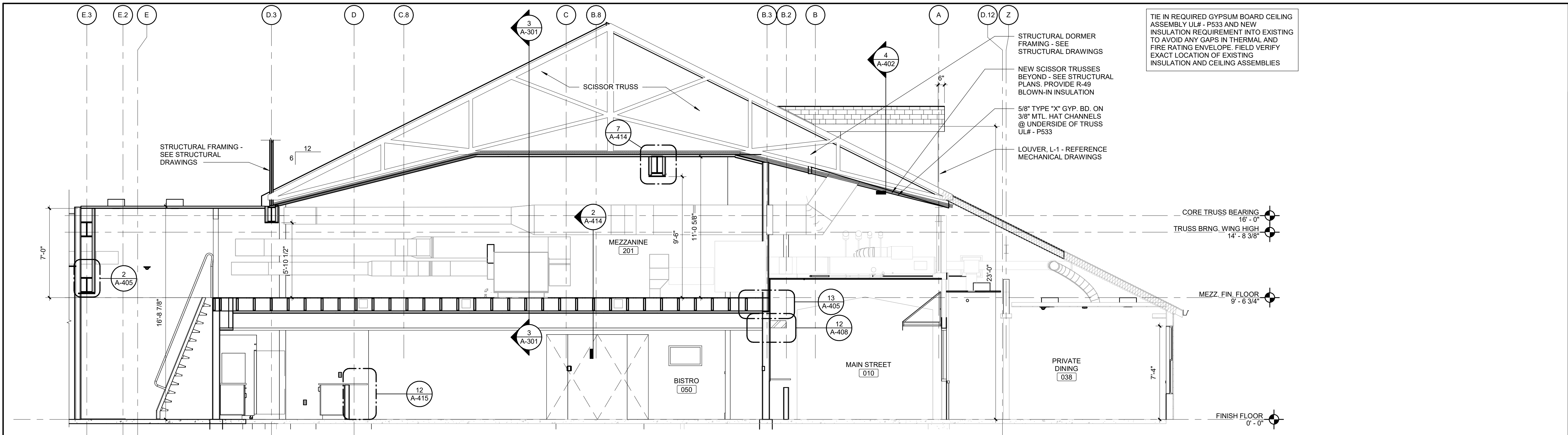
DRAWN BY: JJH  
CHECKED BY: NRB  
DESIGNED BY: JJH

SHEET TITLE:  
**BUILDING SECTIONS**

SHEET NUMBER:  
**A-301**

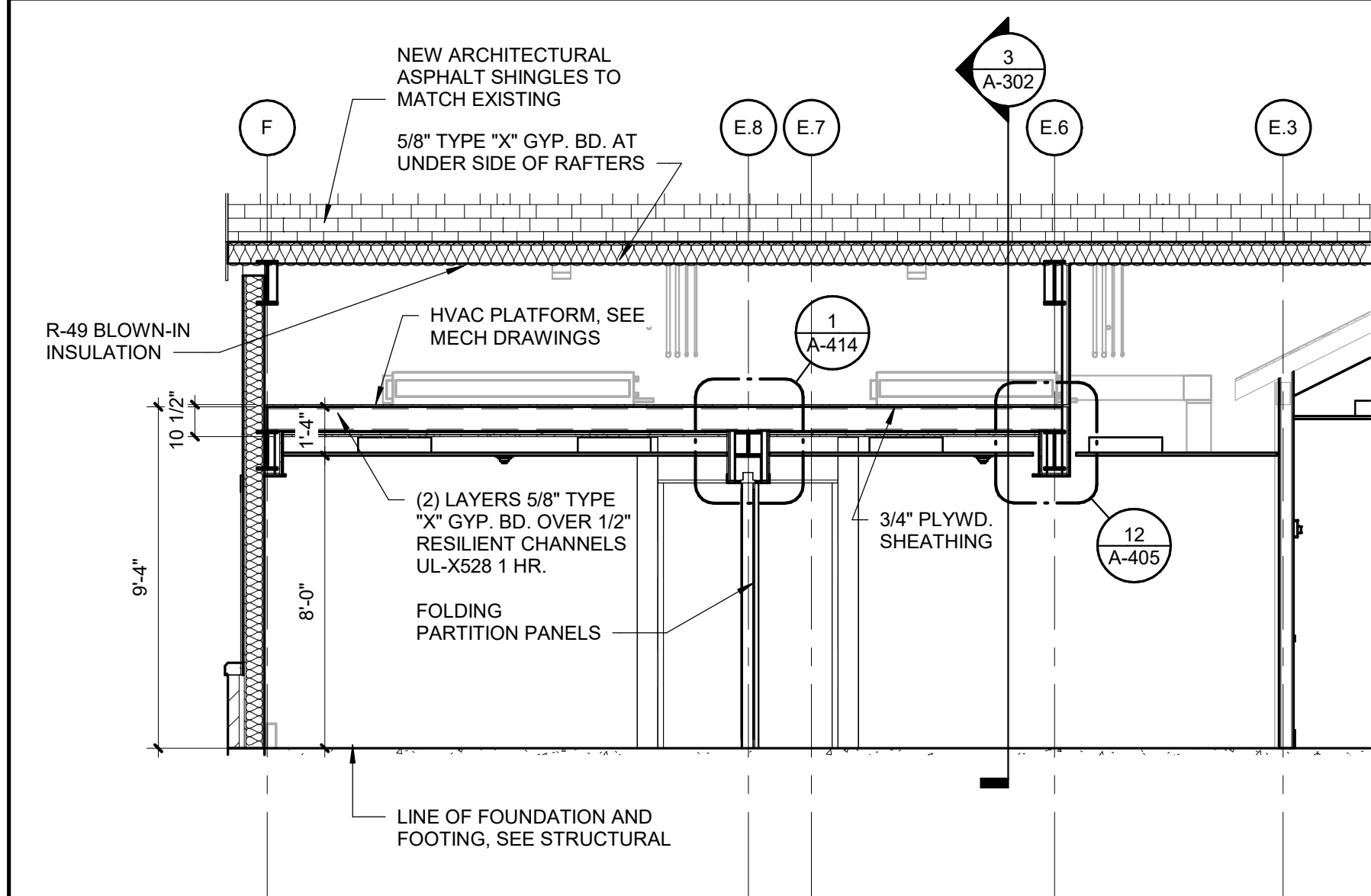
SHEET 62 OF 197  
ISSUE DATE: 08/15/2024





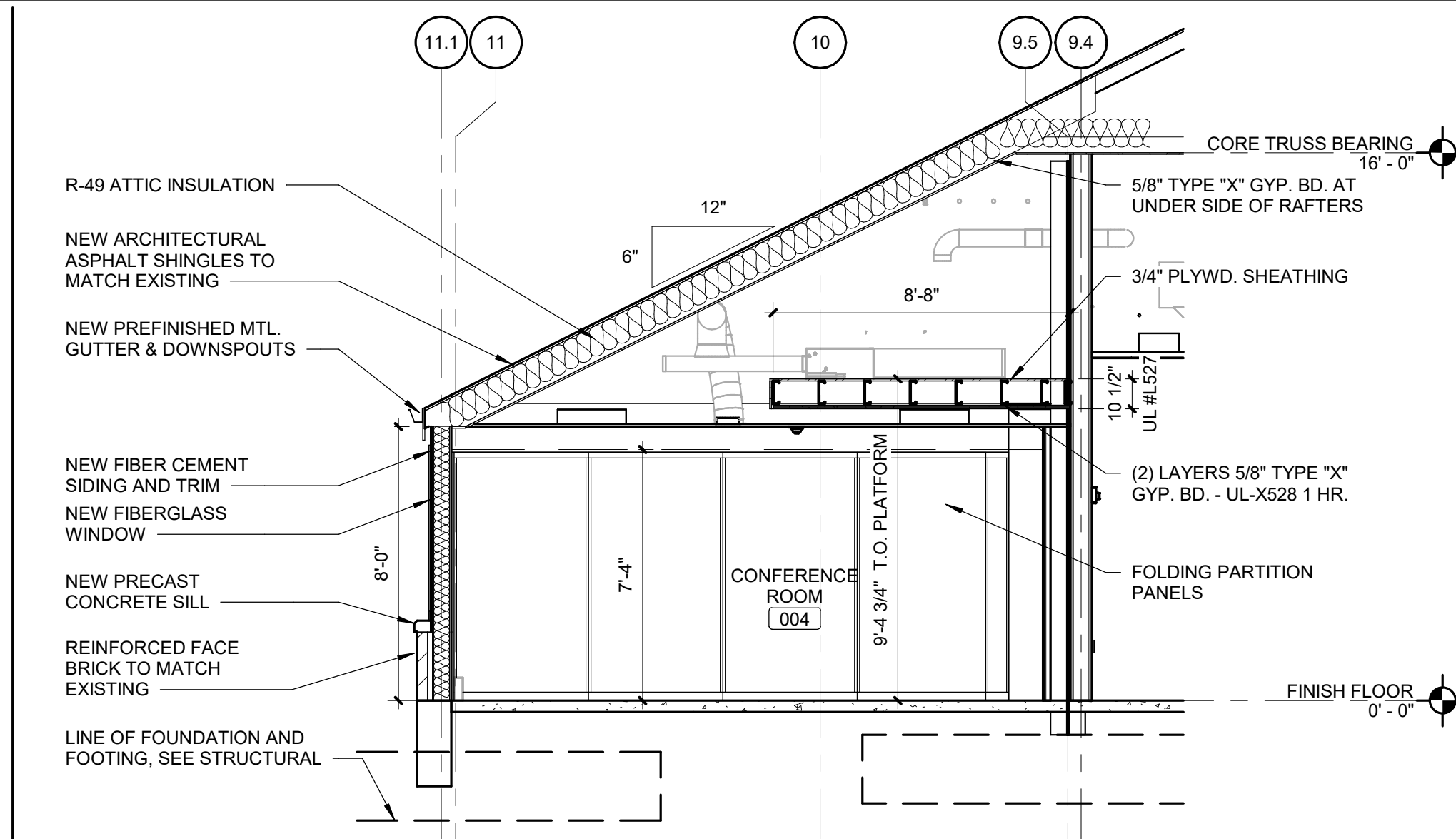
6 BUILDING SECTION - MEZZANINE

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



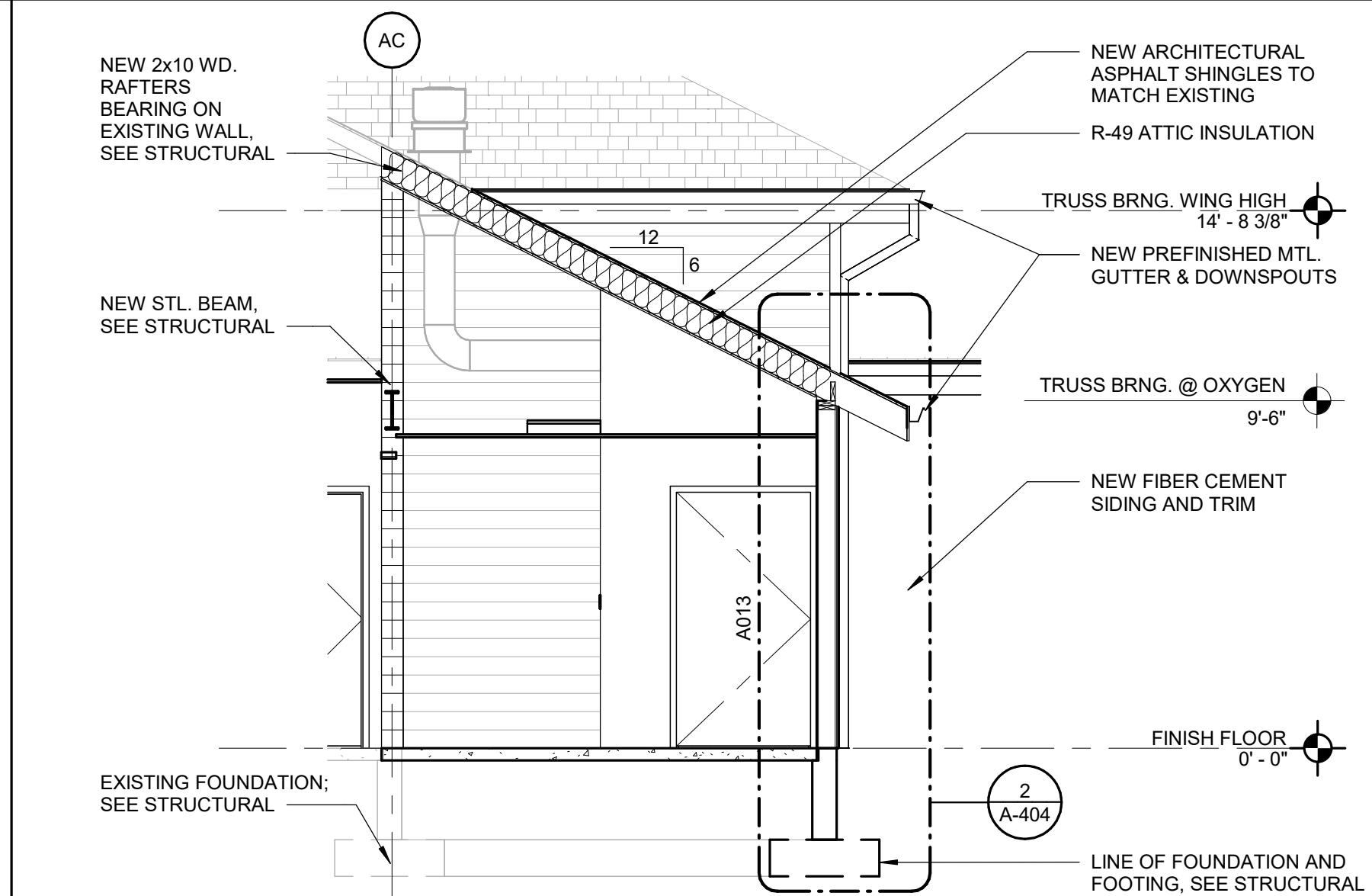
5 CONFERENCE ROOM SECTION

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



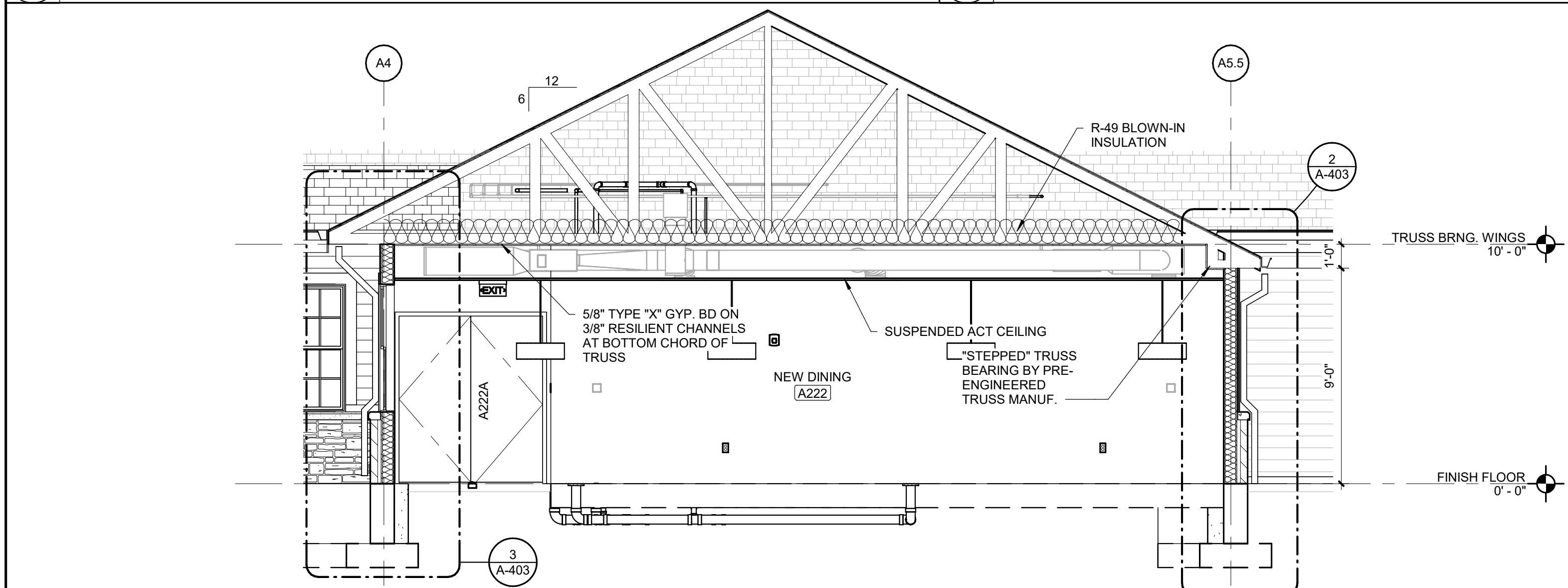
3 CONFERENCE ROOM BUILDING SECTION

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



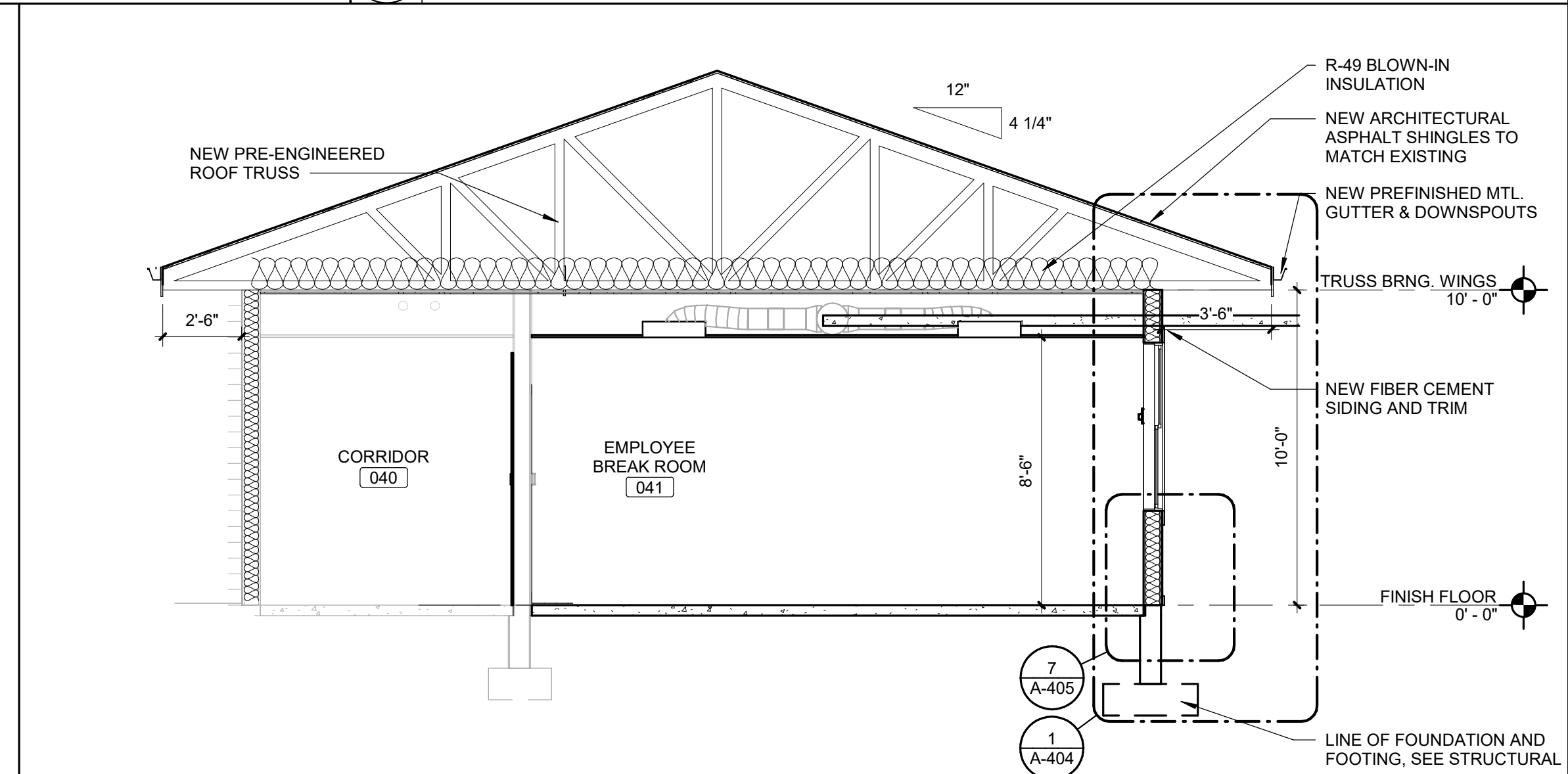
2 OXYGEN ROOM SECTION

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



4 WING A DINING BUILDING SECTION

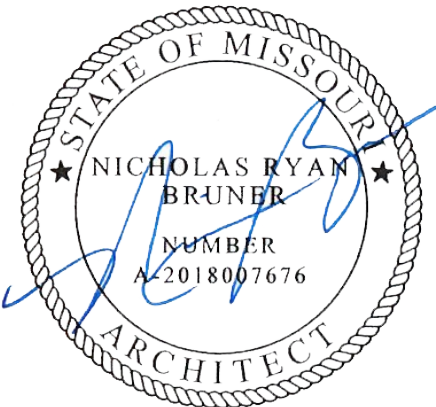
Scale: 1/4" = 1'-0"



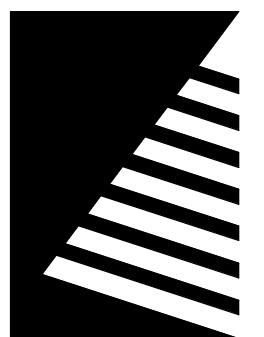
1 BREAK ROOM SECTION

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

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
ASSET #: 8136803002  
FAI #: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JH

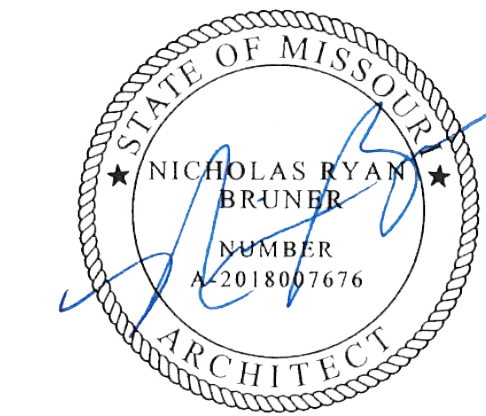
SHEET TITLE:  
**BUILDING SECTIONS**

SHEET NUMBER:

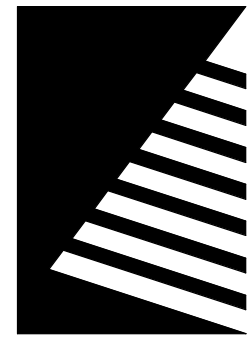
**A-302**

SHEET 63 OF 197  
ISSUE DATE: 08/15/2024





Dated: 08/15/2024



## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JUH

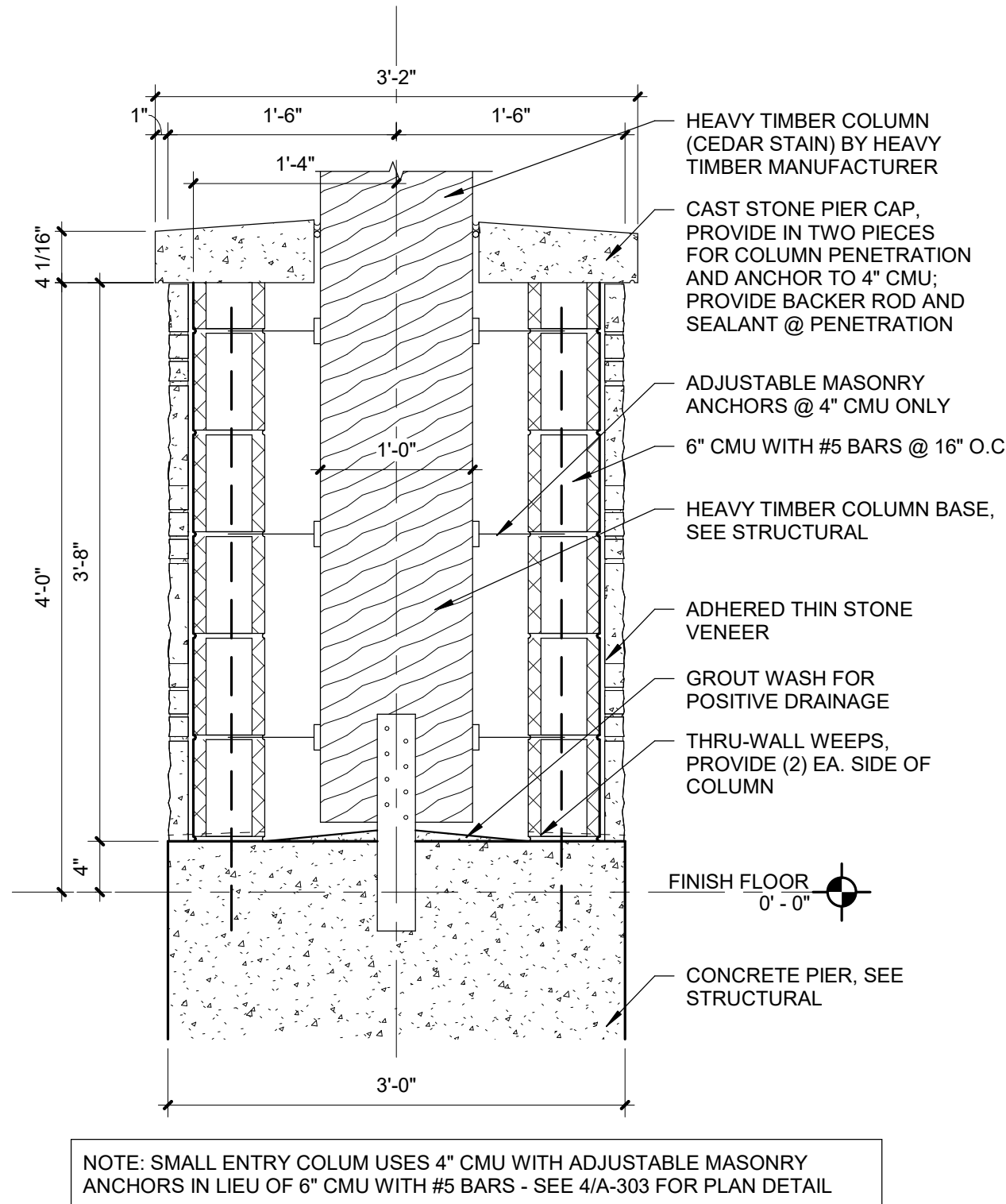
SHEET TITLE:

## ENTRY CANOPY & ROOF GABLE SECTIONS & DETAILS

SHEET NUMBER:

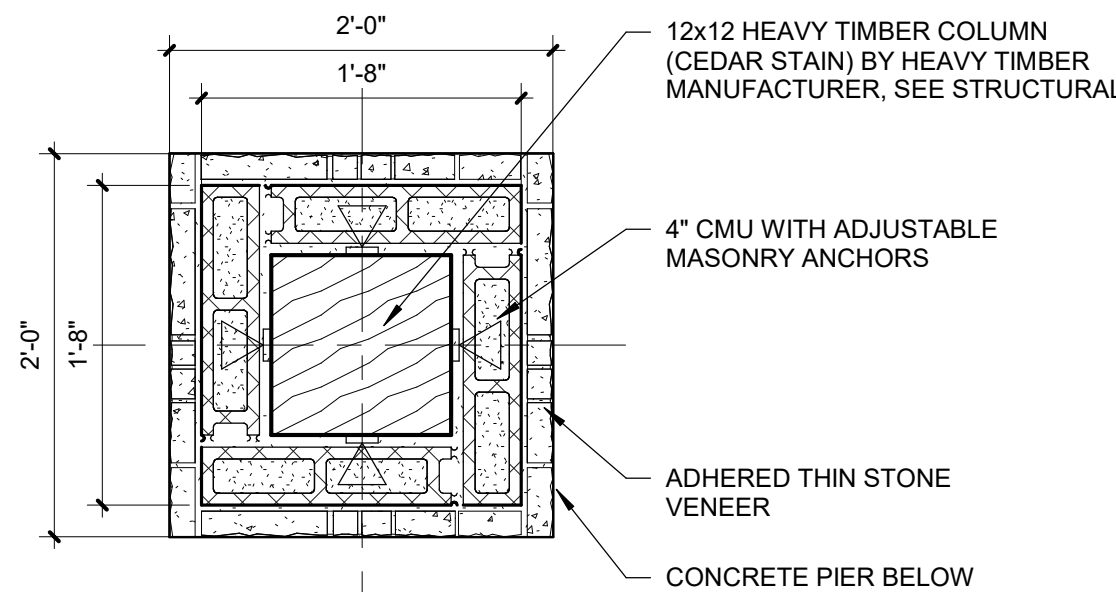
# A-303

SHEET 64 OF 197  
ISSUE DATE: 08/15/2024



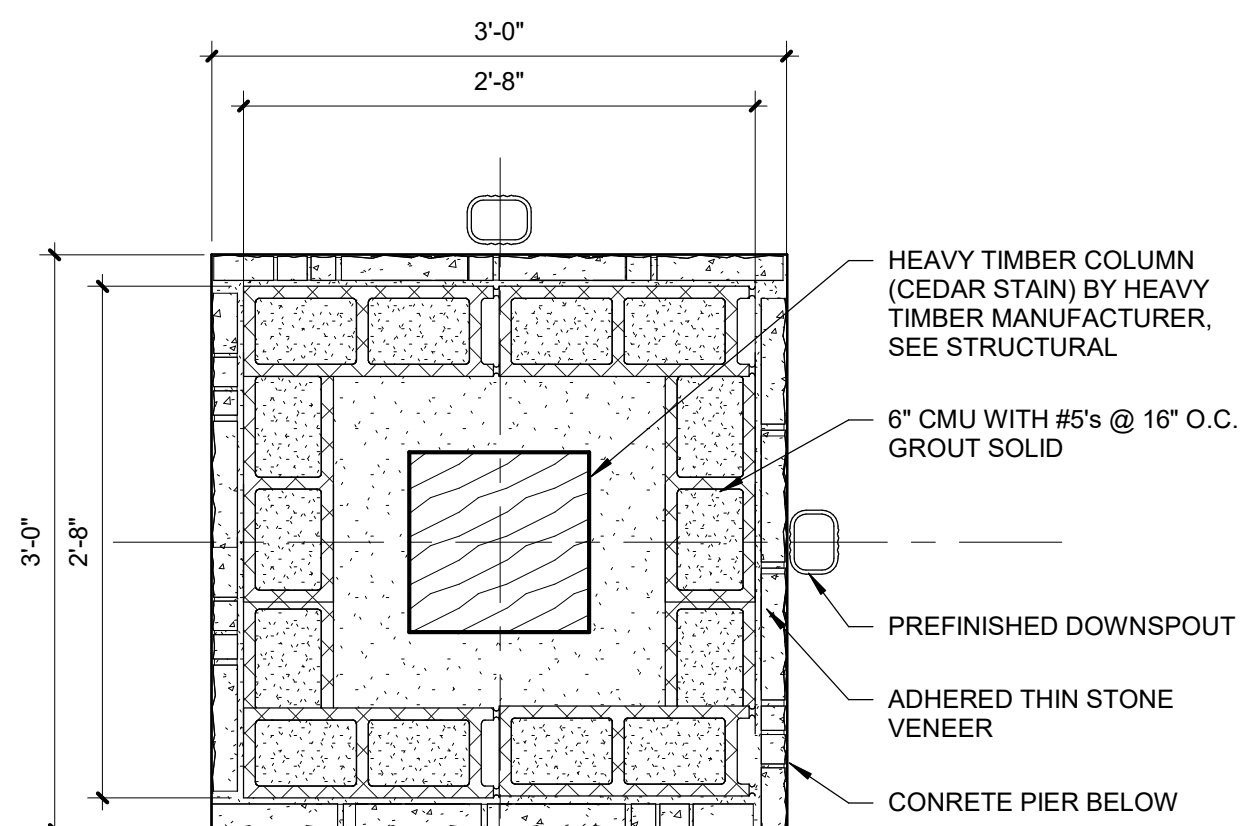
### 5 ENTRY COLUMN SECTION

Scale: 1" = 1'-0"



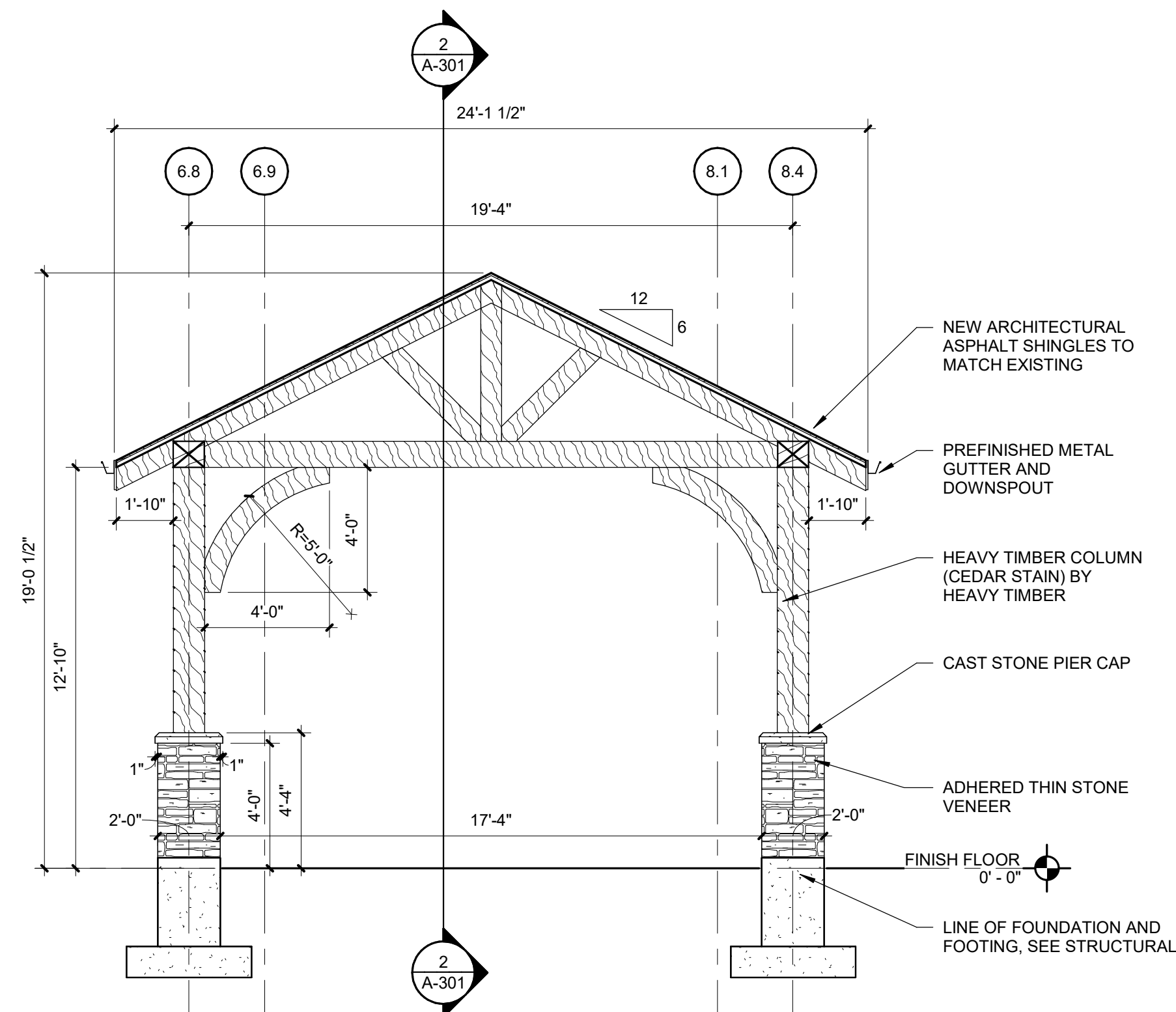
### 4 COLUMN DETAIL - ENTRY SMALL

Scale: 1" = 1'-0"



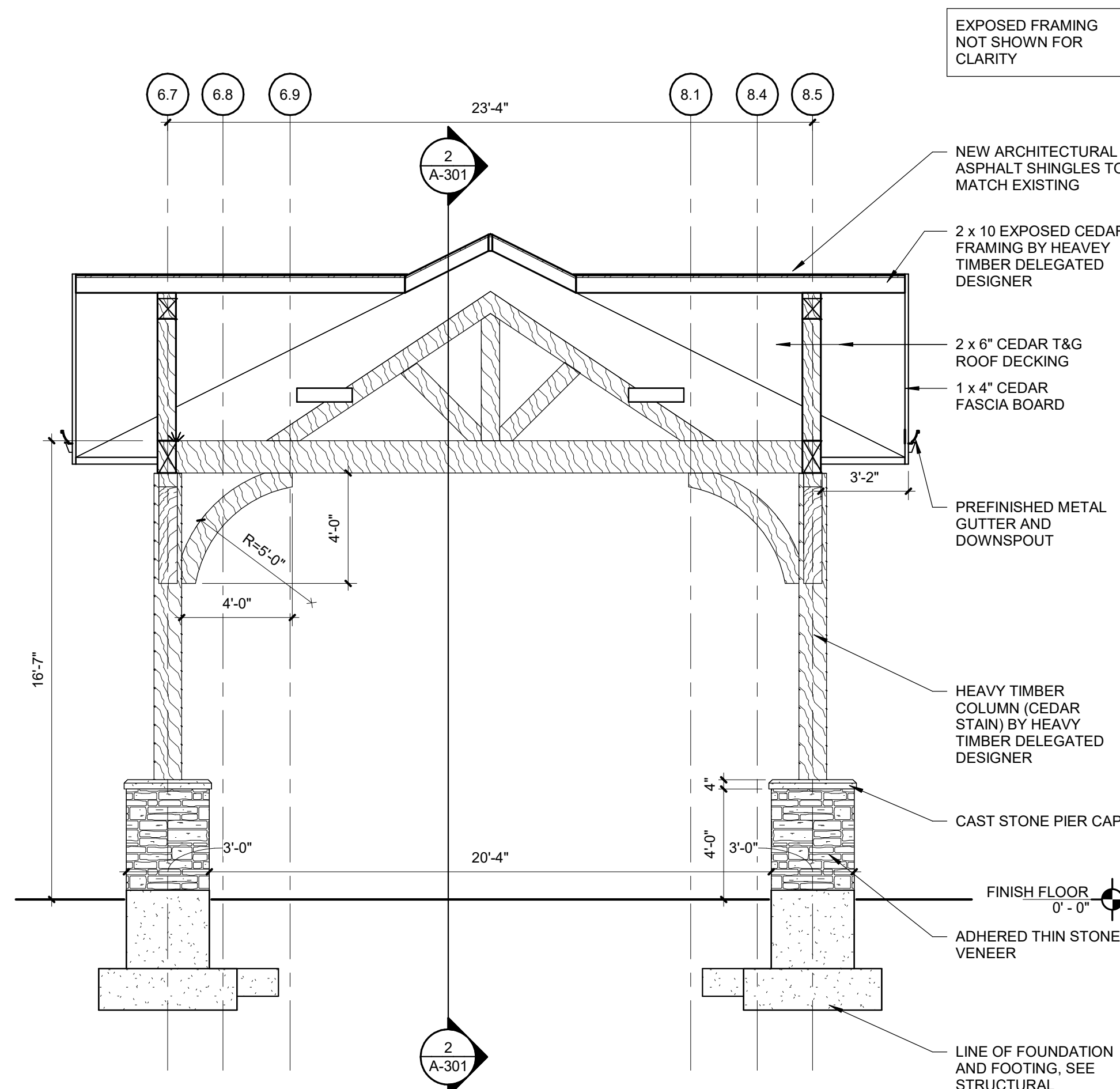
### 3 COLUMN DETAIL - ENTRY

Scale: 1" = 1'-0"



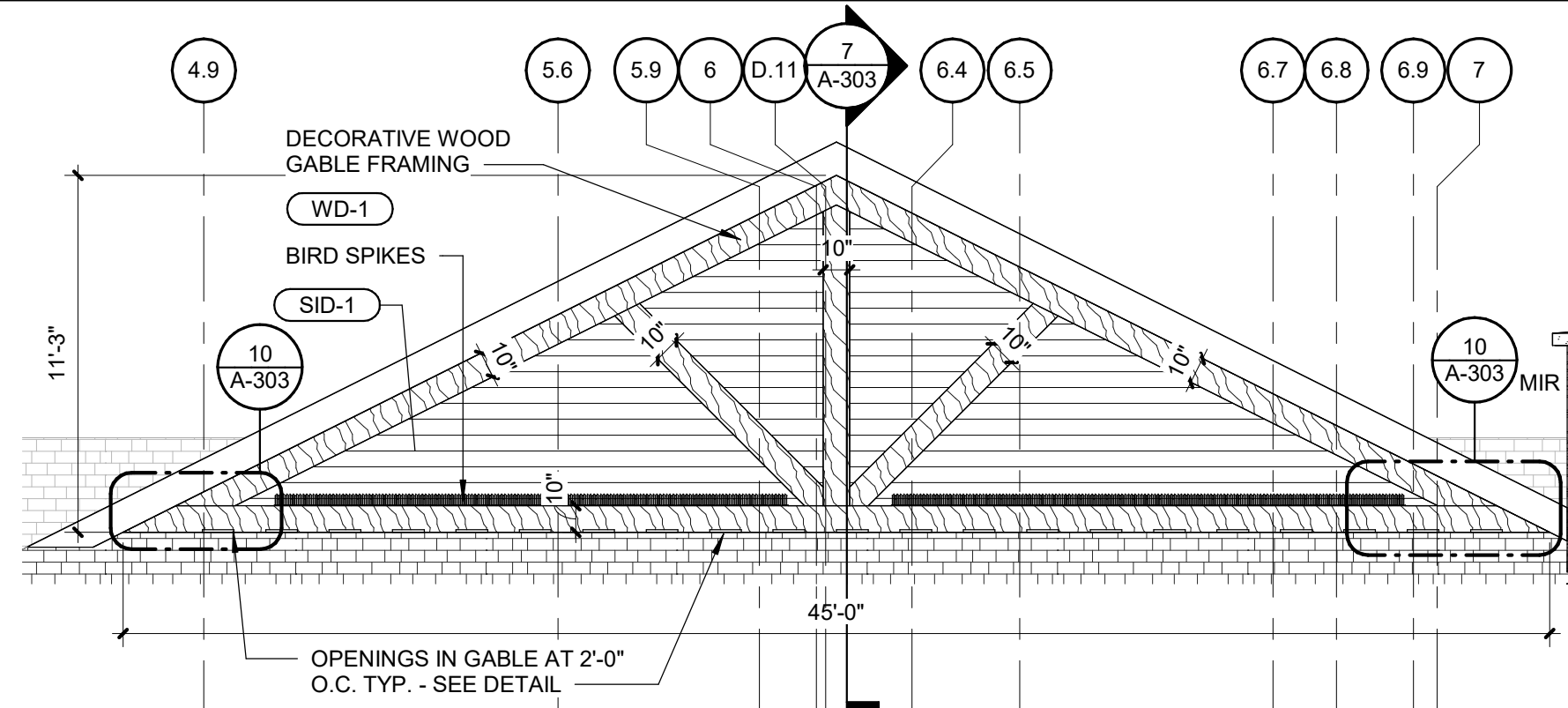
### 2 SMALL CANOPY SECTION

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



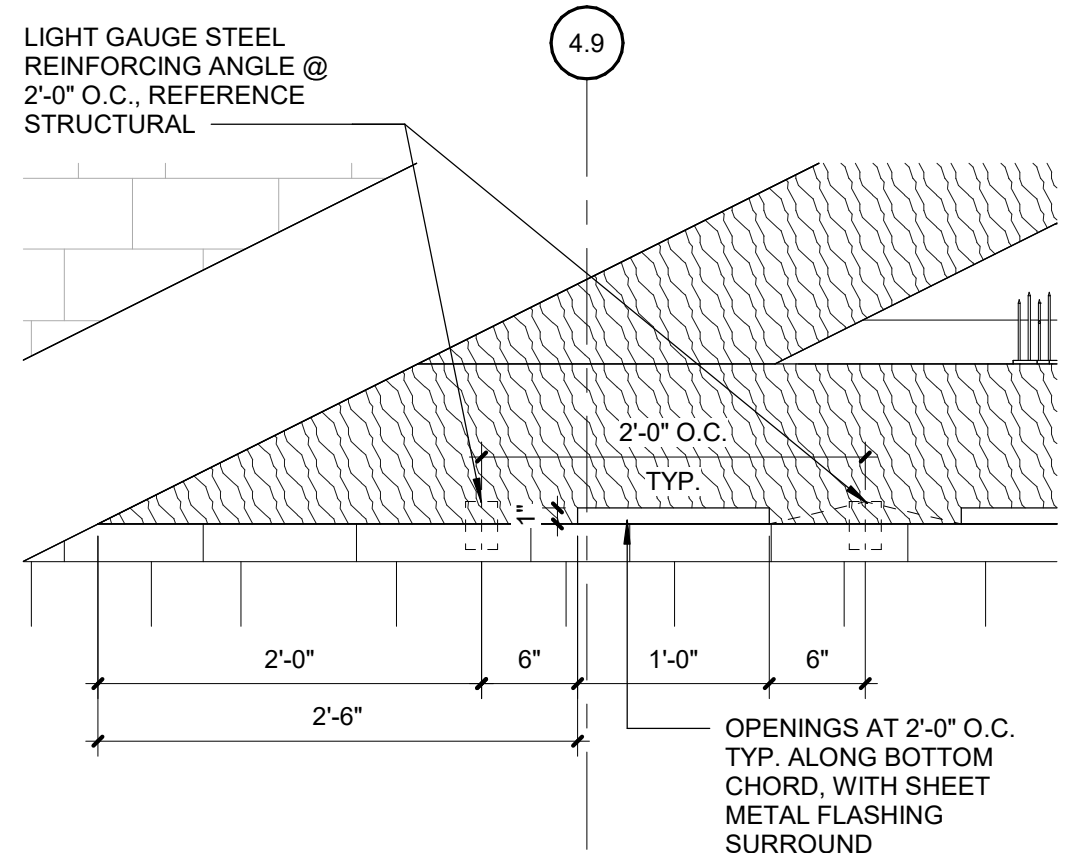
### 1 LARGE CANOPY SECTION

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



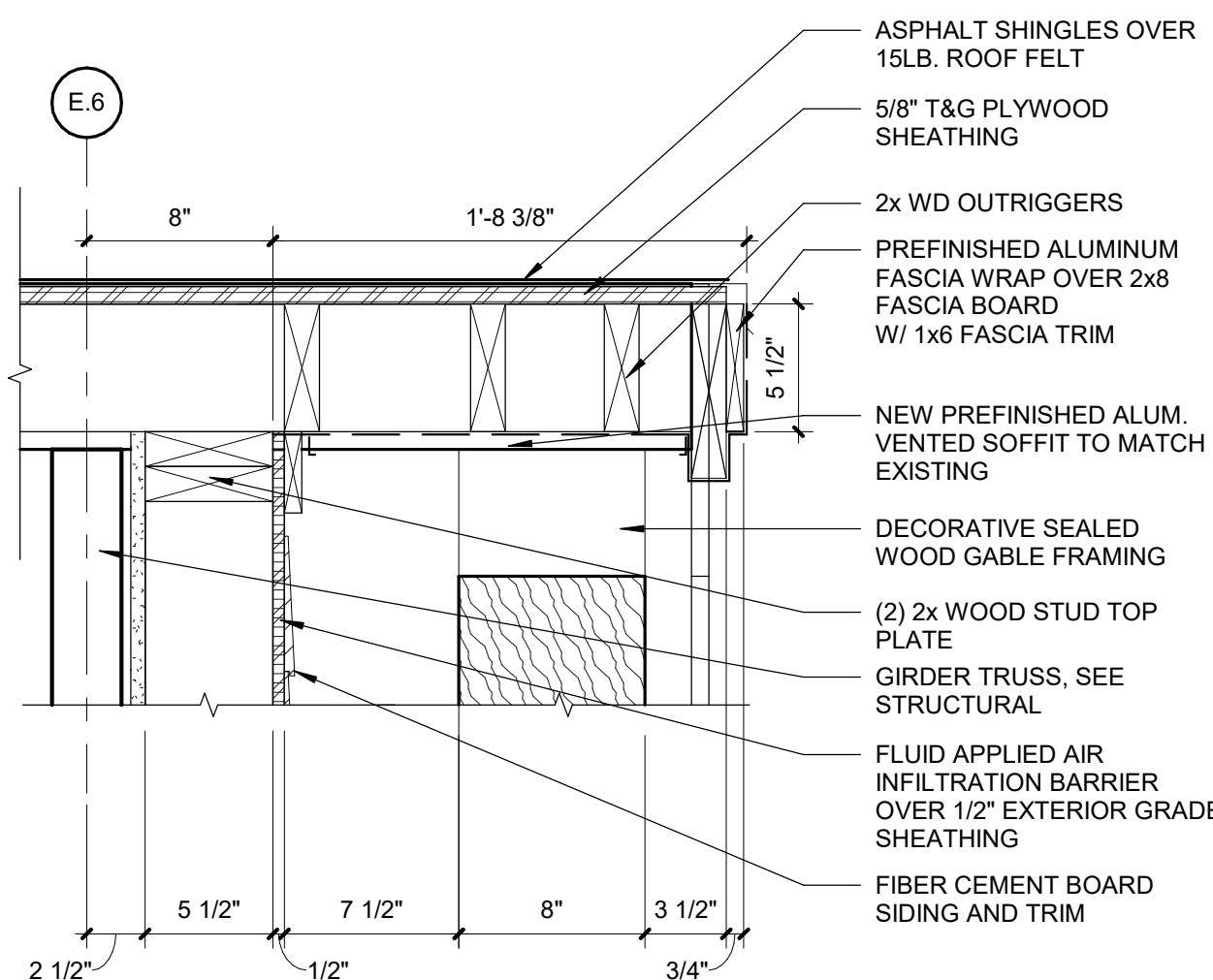
### 11 NORTH ELEVATION - GABLE END DETAIL

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



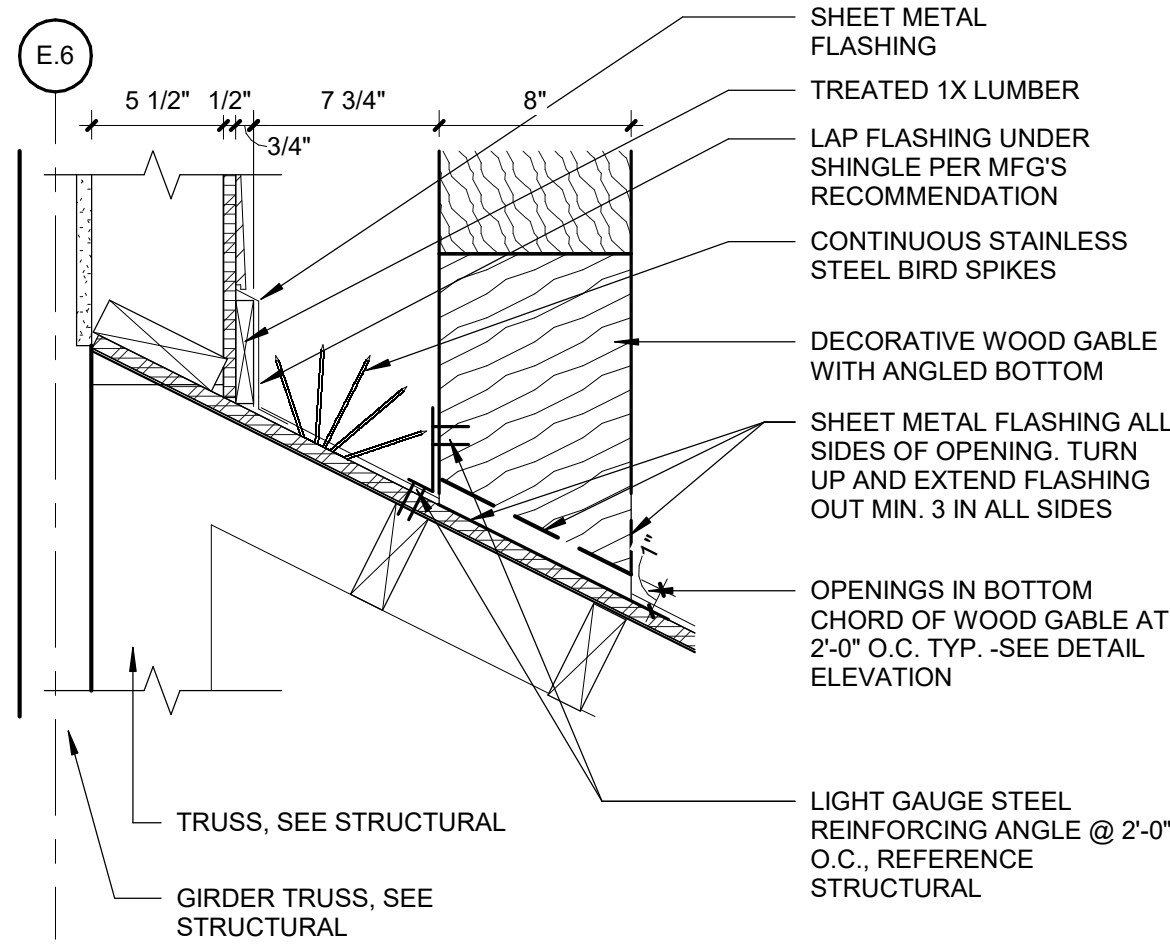
### 10 GABLE DRAINAGE DETAIL

Scale: 1" = 1'-0"



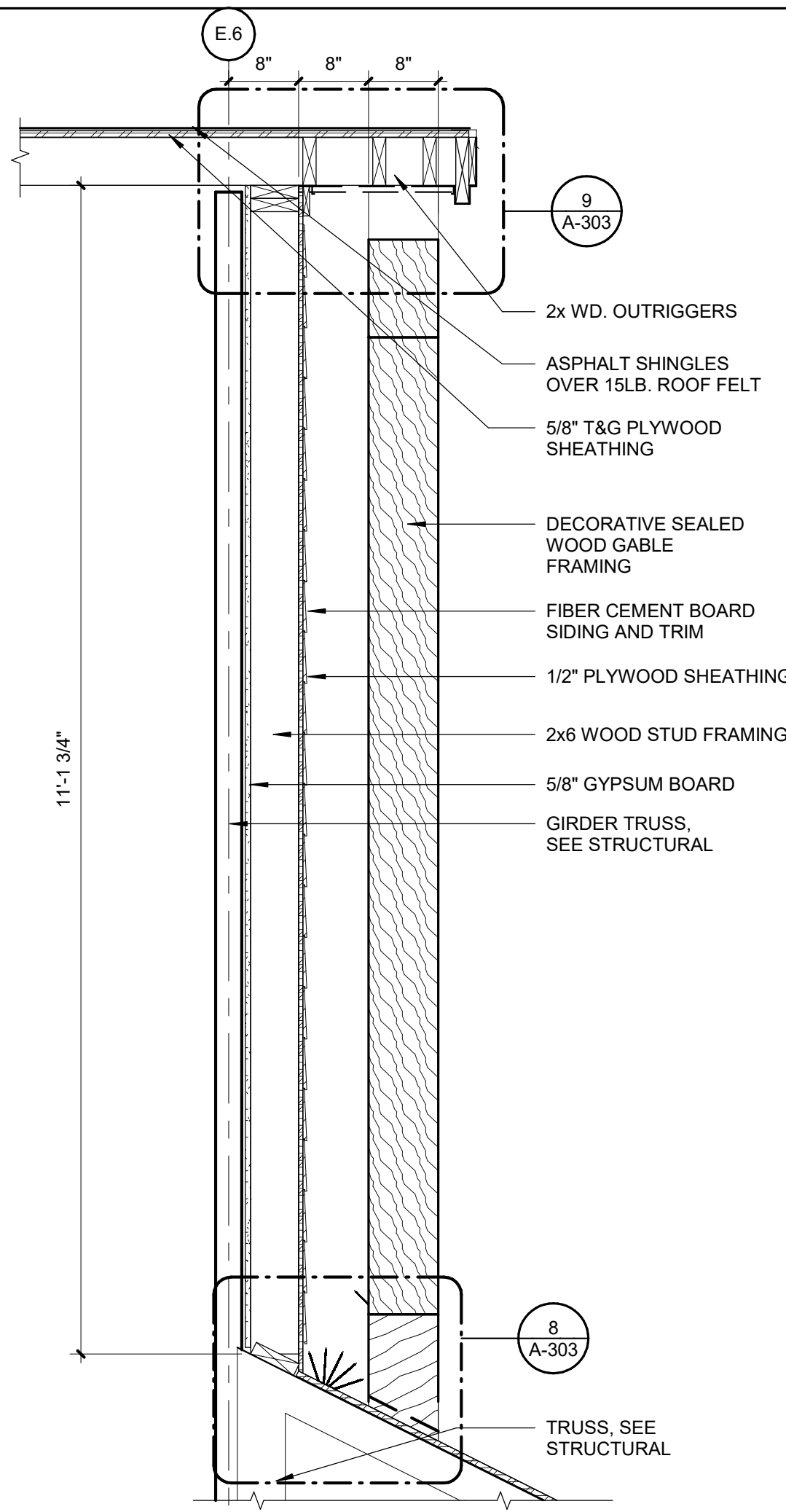
### 9 GABLE FRAMING @ EAVE

Scale: 1 1/2" = 1'-0"



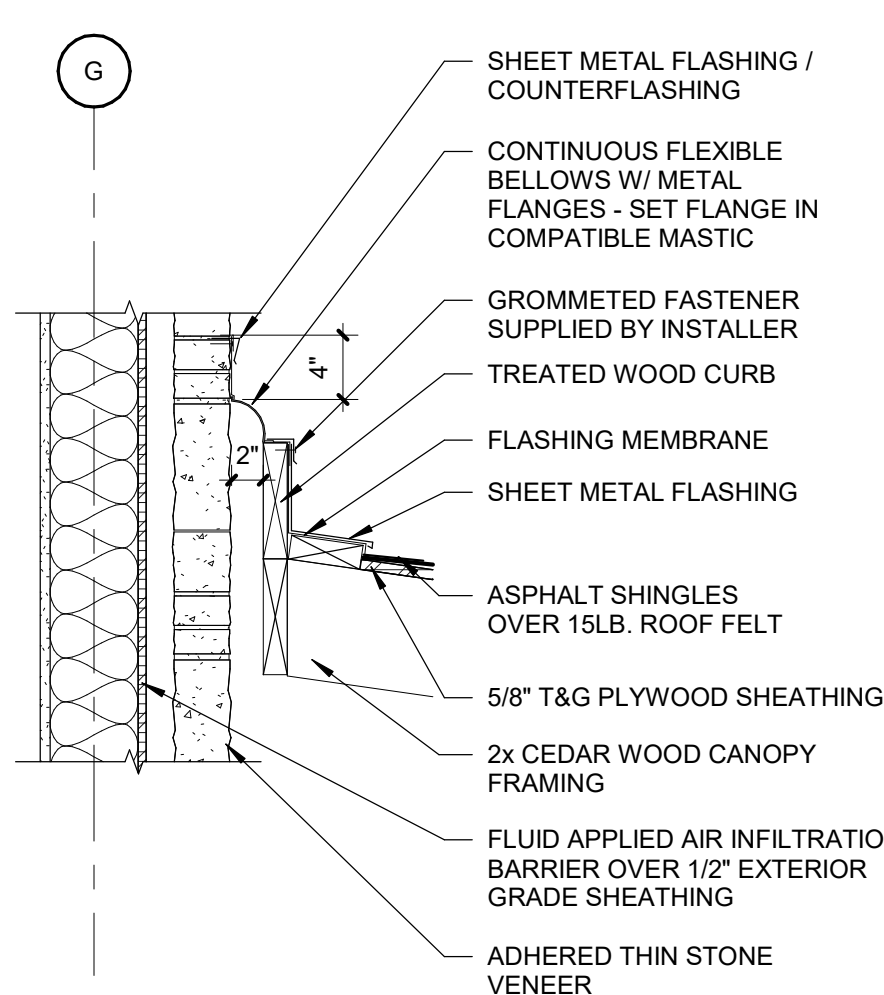
### 8 GABLE FRAMING SILL FRAMING DETAIL

Scale: 1 1/2" = 1'-0"



### 7 DETAIL - DECORATIVE GABLE

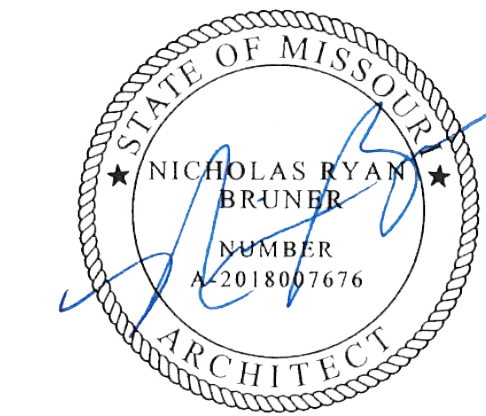
Scale: 3/4" = 1'-0"



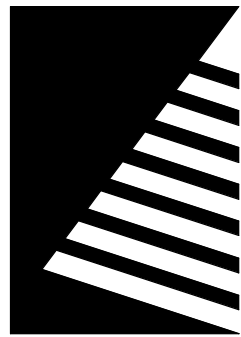
### 6 ROOF/WALL FLASHING DETAIL

Scale: 1" = 1'-0"





Dated: 08/15/2024



## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

### 100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

### UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
ASSET #: 8136803002  
FAI #: 29-043

# DATE: DESCRIPTION:

DRAWN BY: NRB  
CHECKED BY: NRB  
DESIGNED BY: JUH

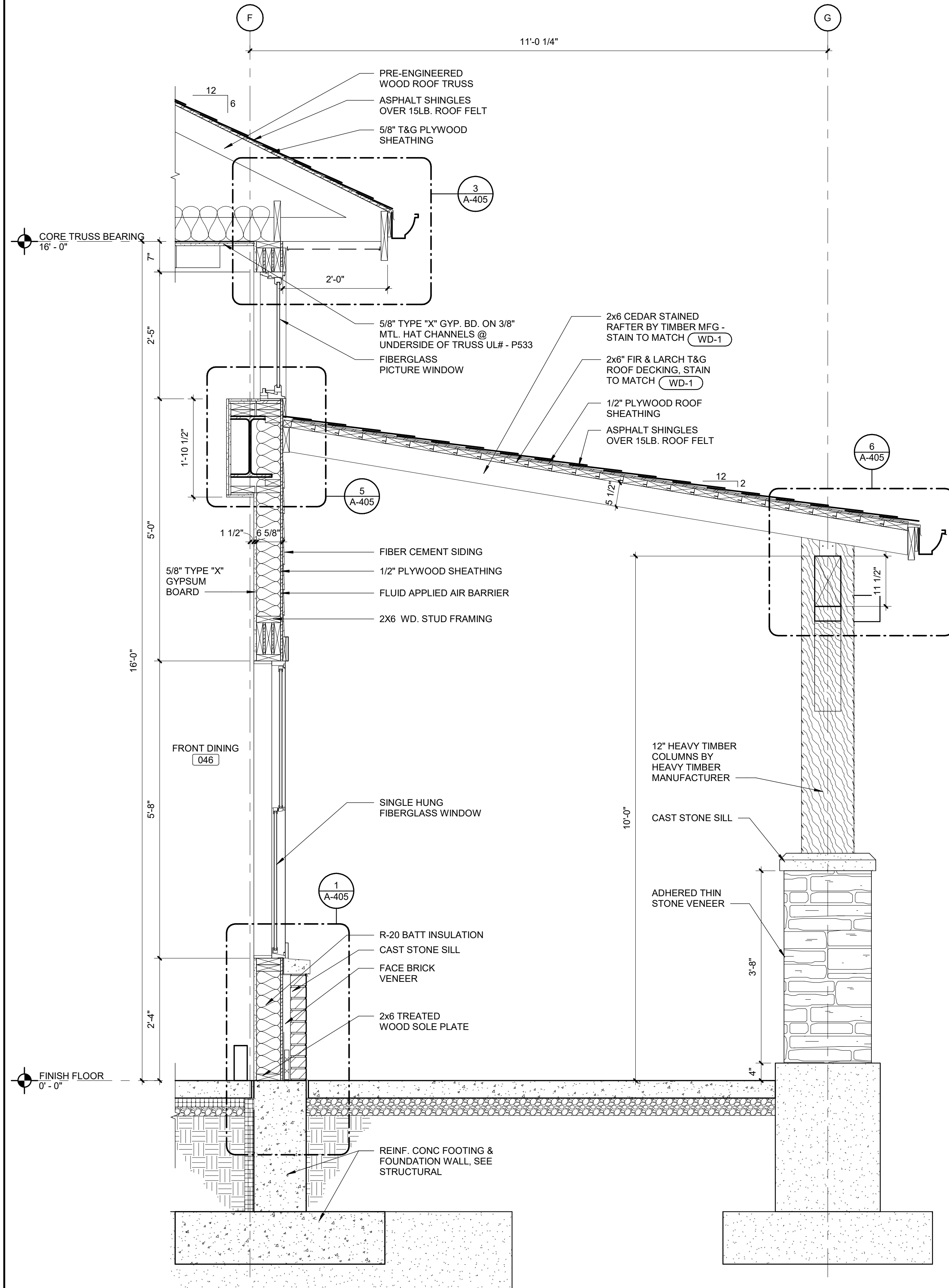
SHEET TITLE:

**WALL SECTIONS**

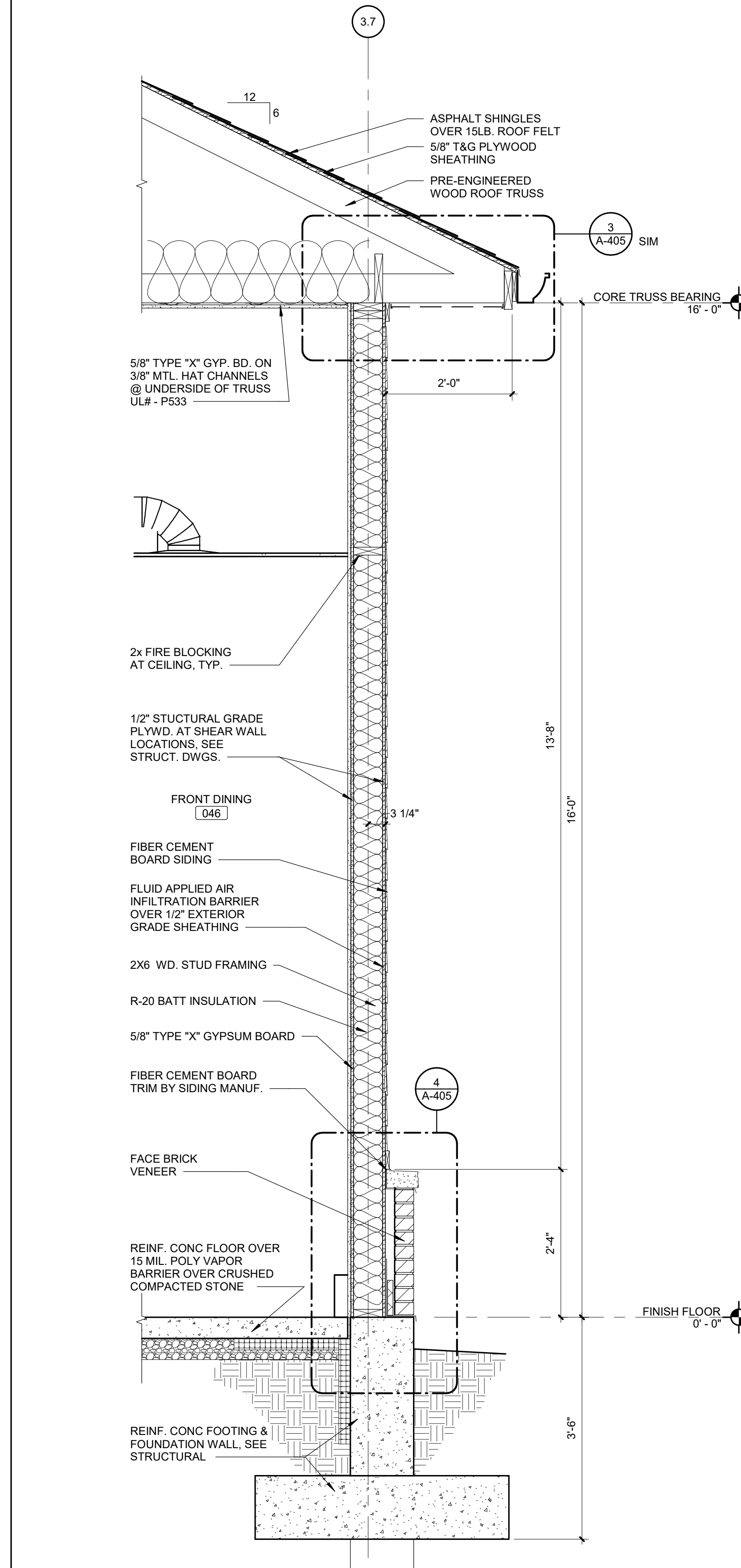
SHEET NUMBER:

# A-401

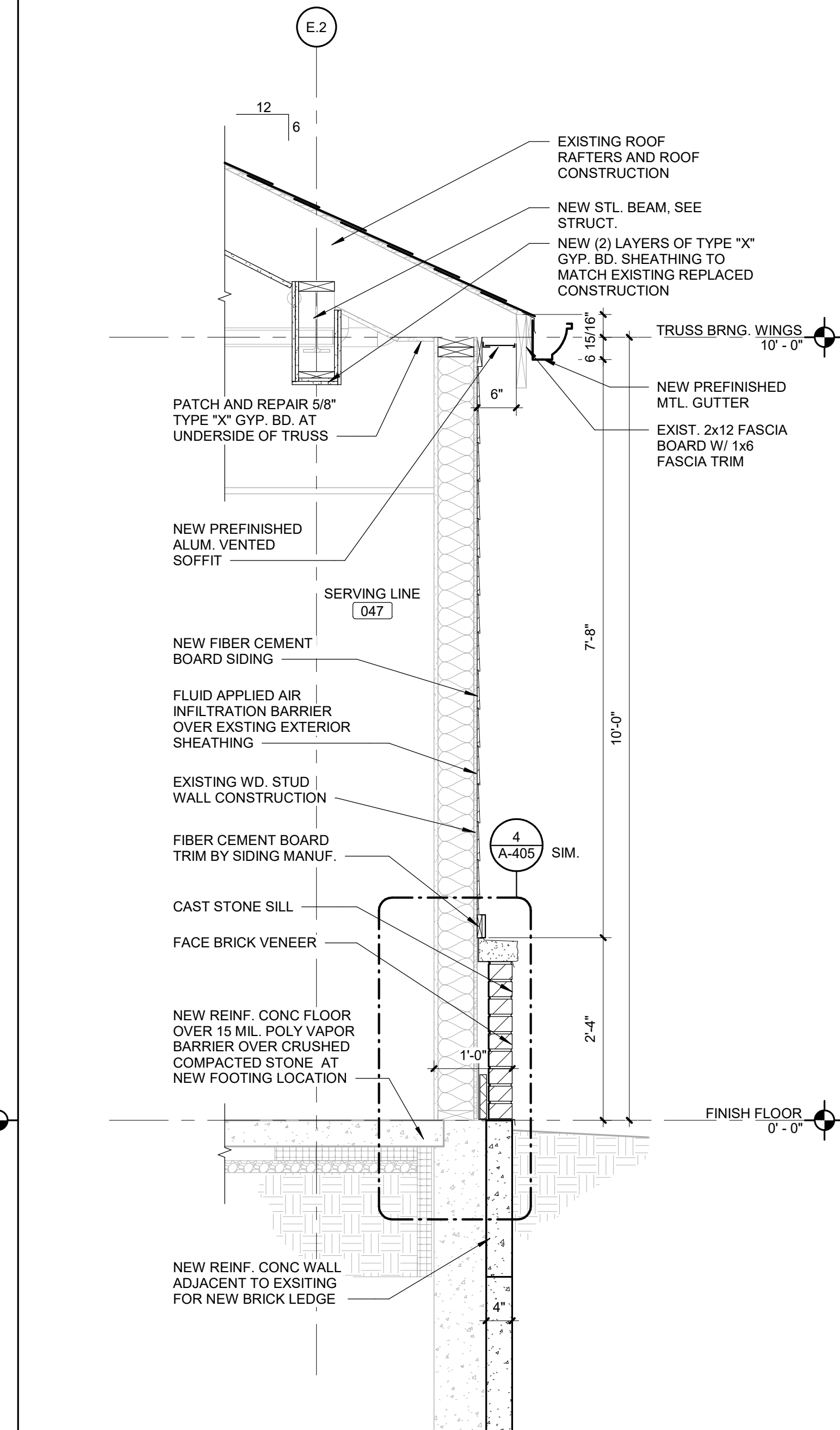
SHEET 65 OF 197  
ISSUE DATE: 08/15/2024



**3 WALL SECTION - FRONT DINING (NORTH WALL)**  
Scale: 3/4" = 1'-0"



**2 WALL SECTION - FRONT DINING (EAST WALL)**  
Scale: 3/4" = 1'-0"



**1 WALL SECTION - SERVING LINE (NORTH WALL)**  
Scale: 3/4" = 1'-0"

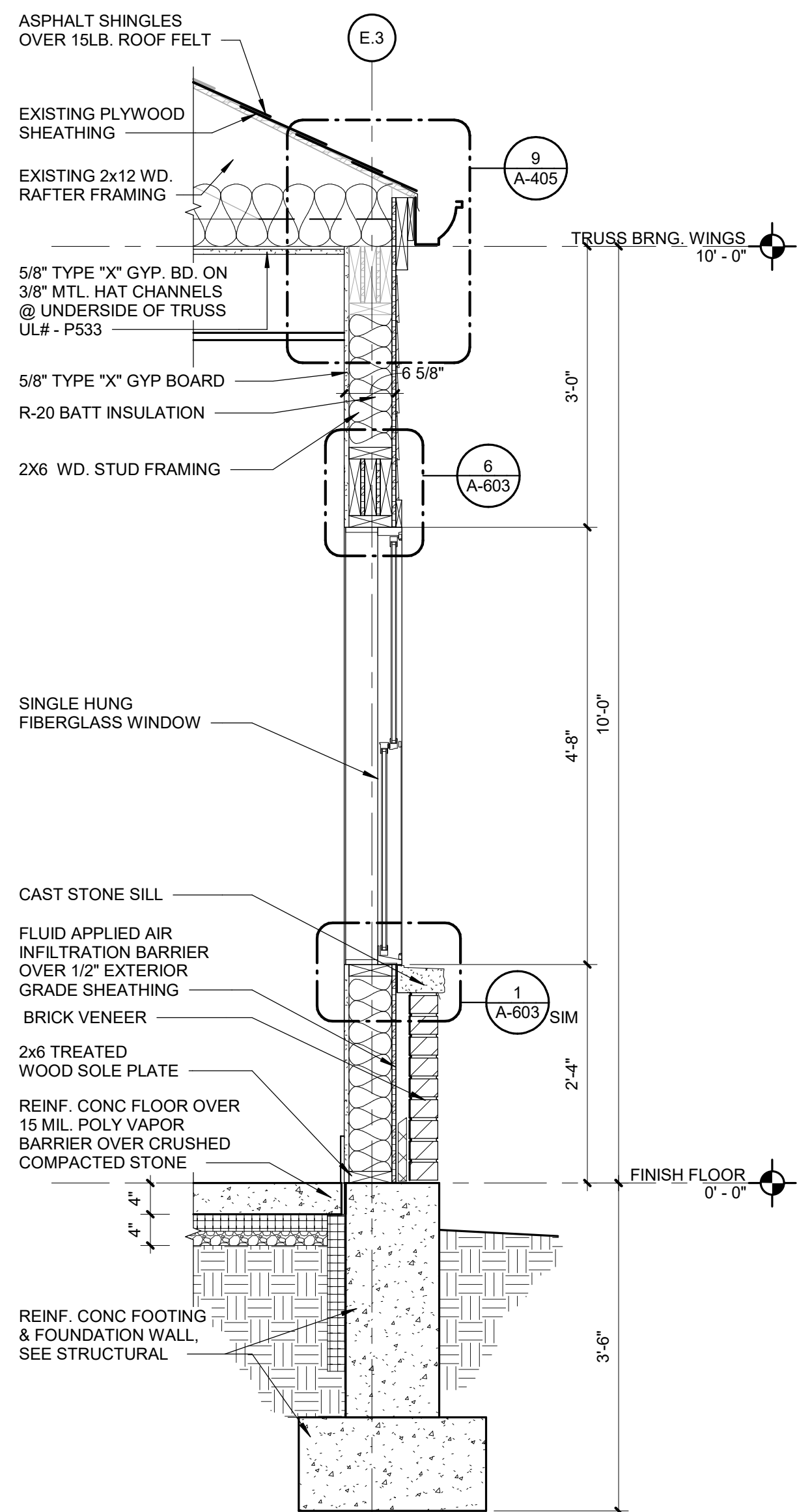


8/16/2024 10:28:12 AM

3

### WALL SECTION - RECEPTION (NORTH WALL)

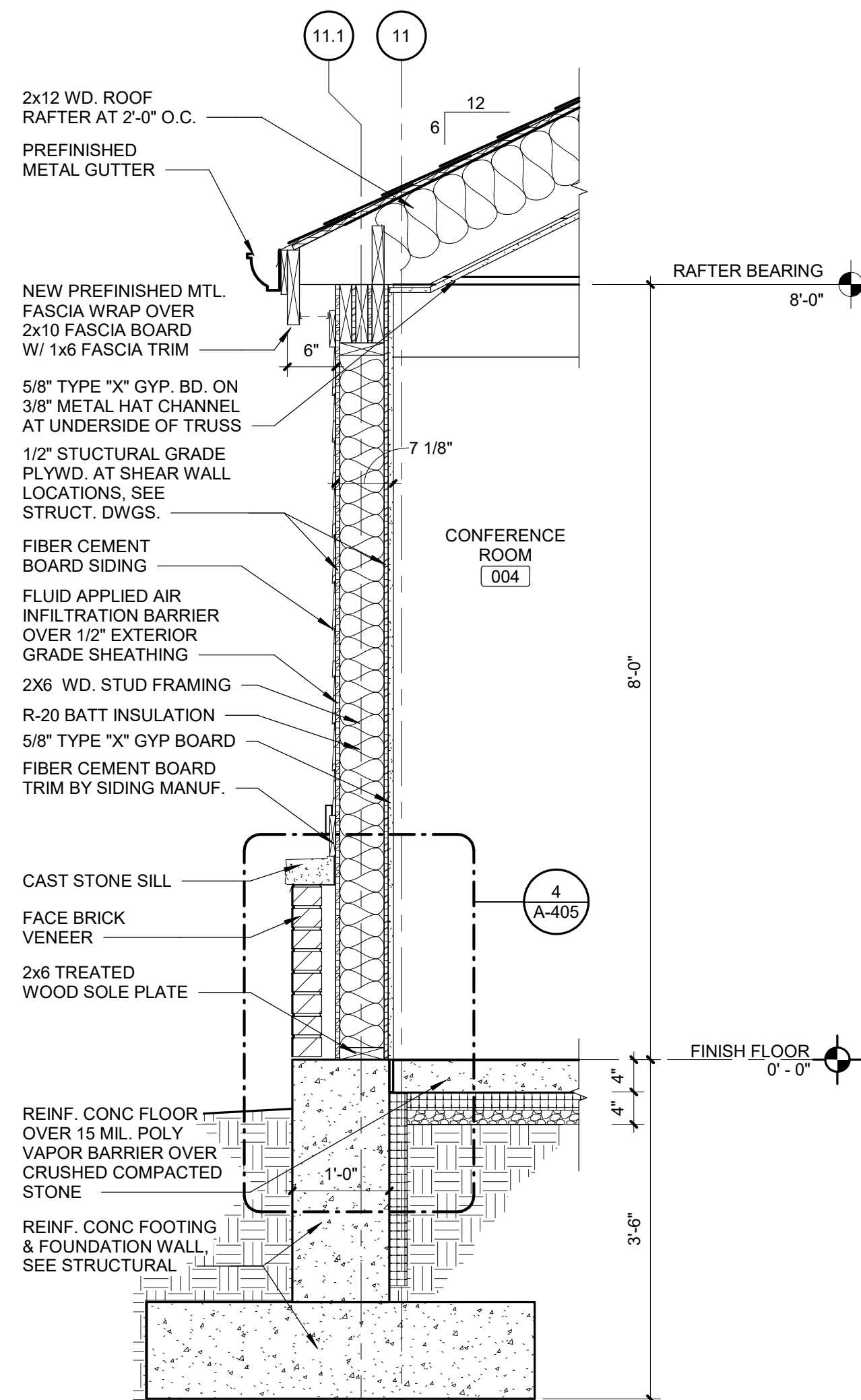
Scale: 3/4" = 1'-0"



2

### WALL SECTION - CONFERENCE ROOM (WEST WALL)

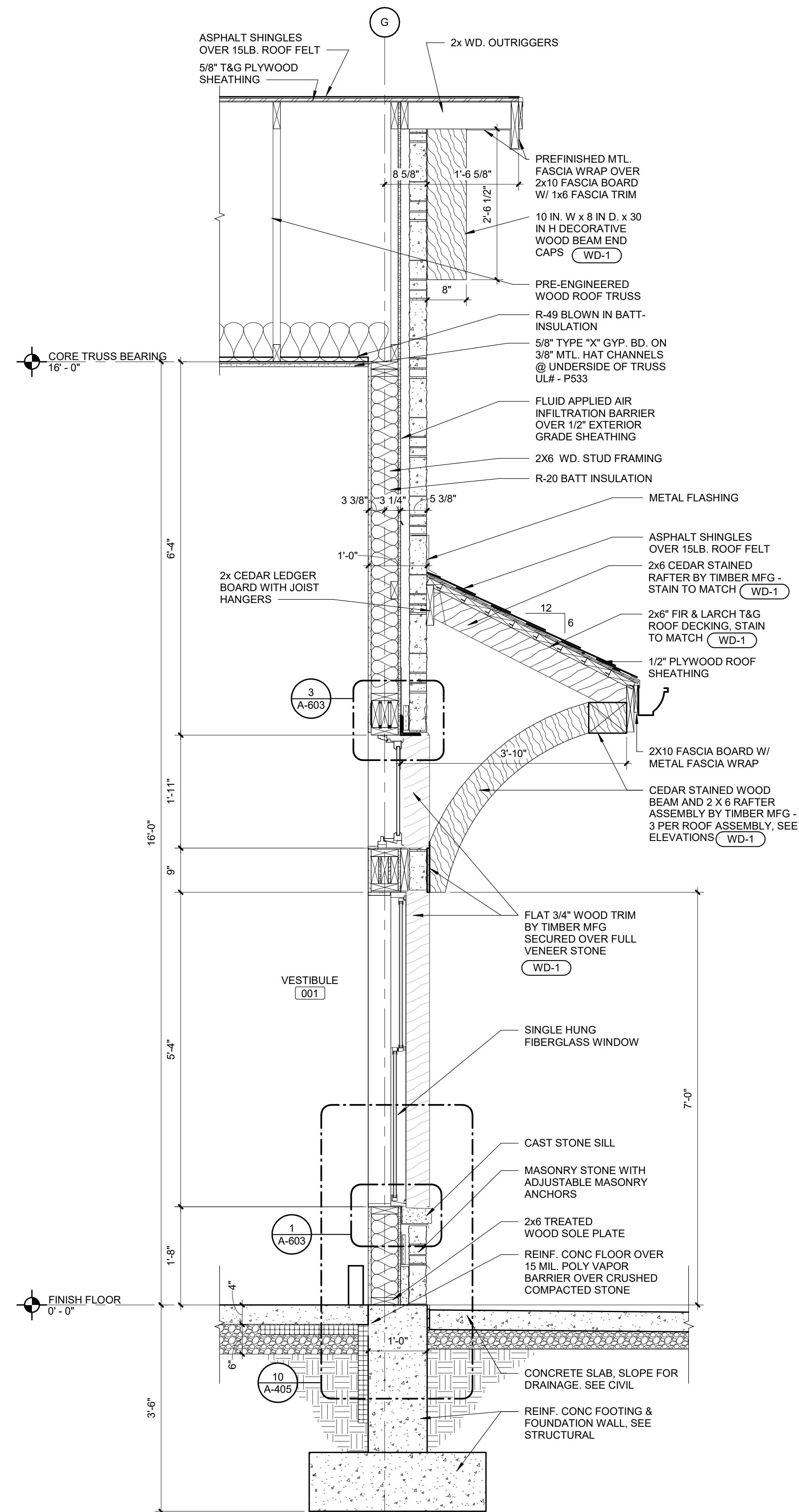
Scale: 3/4" = 1'-0"



1

### WALL SECTION - VESTIBULE (NORTH WALL)

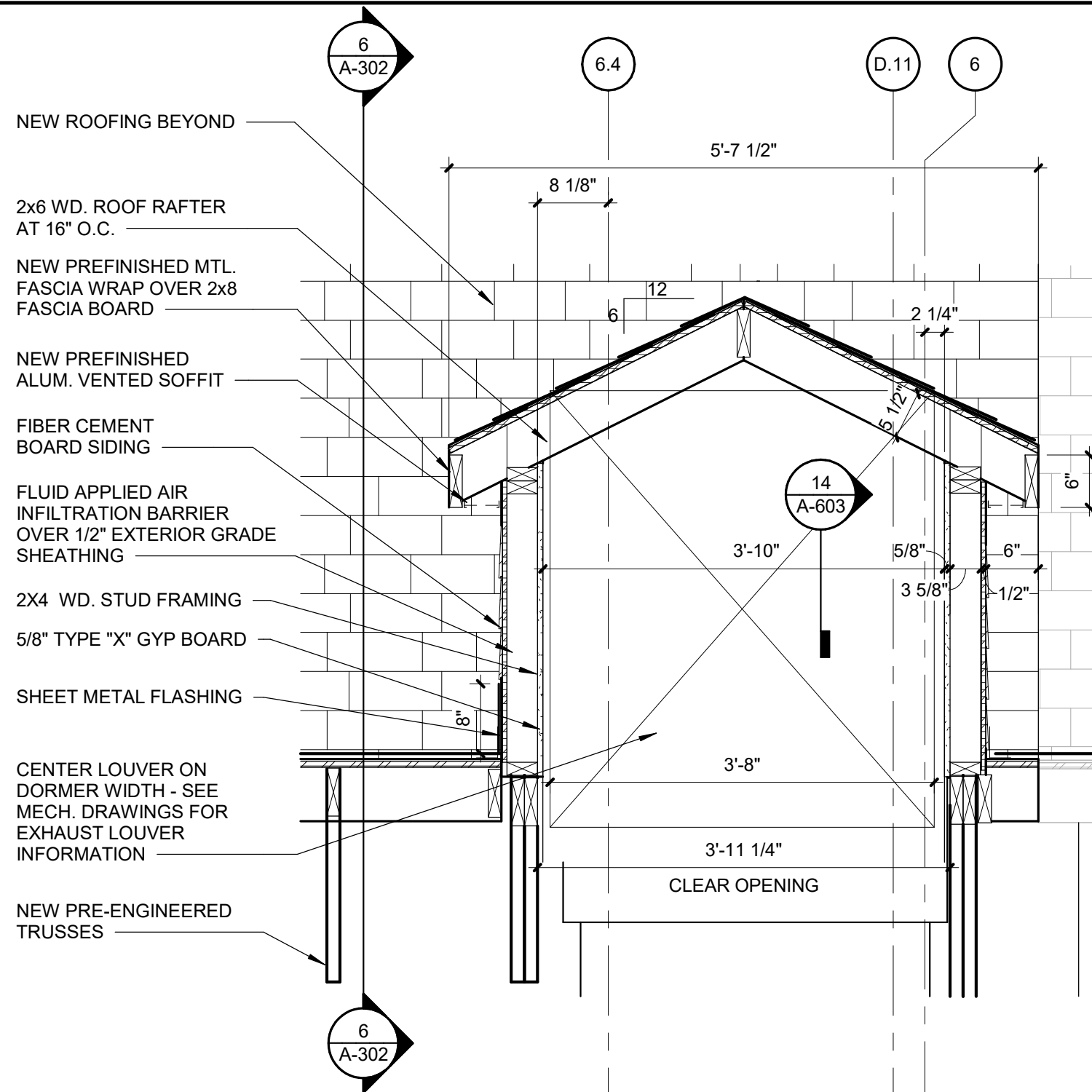
Scale: 3/4" = 1'-0"



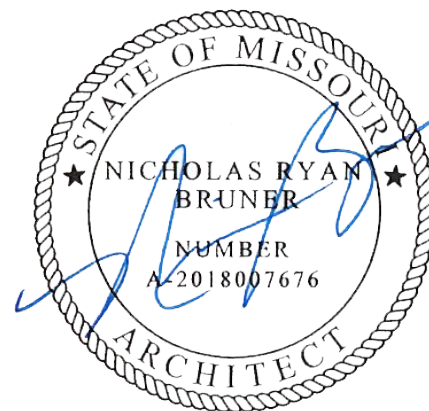
### WALL SECTION - DORMER AT LOUVER AT SOUTH ELEVATION

Scale: 3/4" = 1'-0"

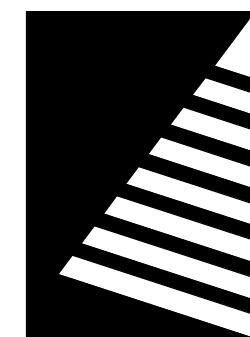
4



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
ASSET #: 8136803002  
FAI #: 29-043

# DATE: DESCRIPTION:

DRAWN BY: JJH  
CHECKED BY: NRB  
DESIGNED BY: JJH

SHEET TITLE:

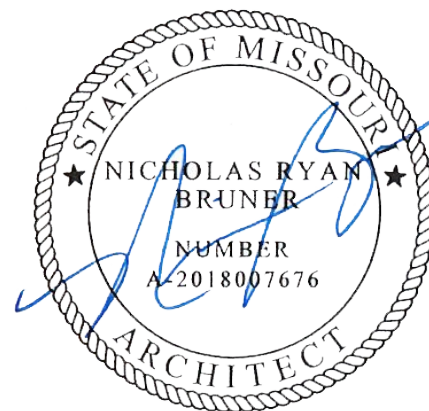
**WALL SECTIONS**

SHEET NUMBER:

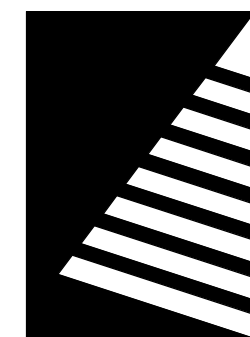
**A-402**

SHEET 66 OF 197  
ISSUE DATE: 08/15/2024





Dated: 08/15/2024



## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
ASSET #: 8136803002  
FAI #: 29-043

# DATE: DESCRIPTION:

DRAWN BY: J JH  
CHECKED BY: NRB  
DESIGNED BY: J JH

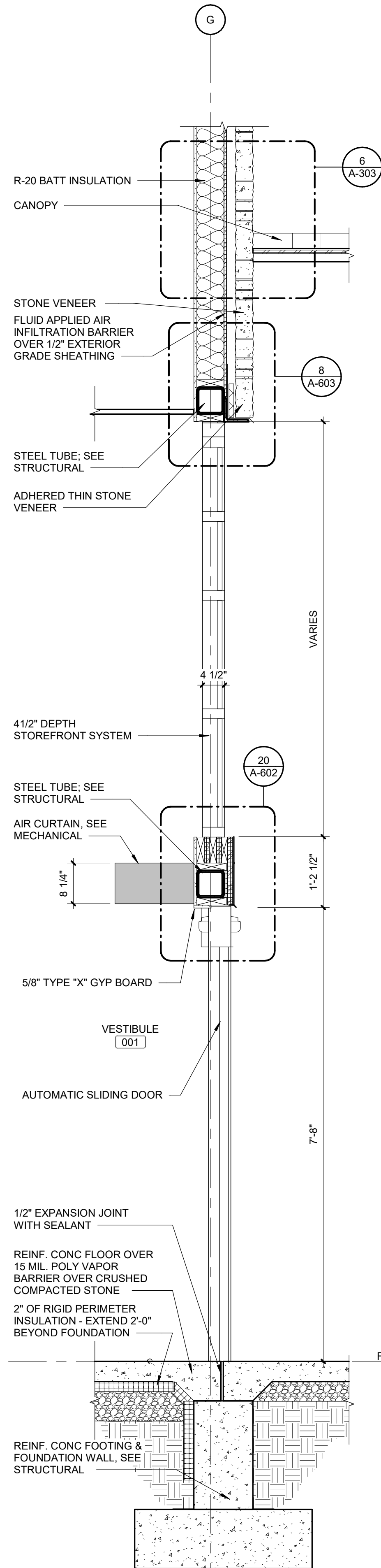
SHEET TITLE:

WALL SECTIONS

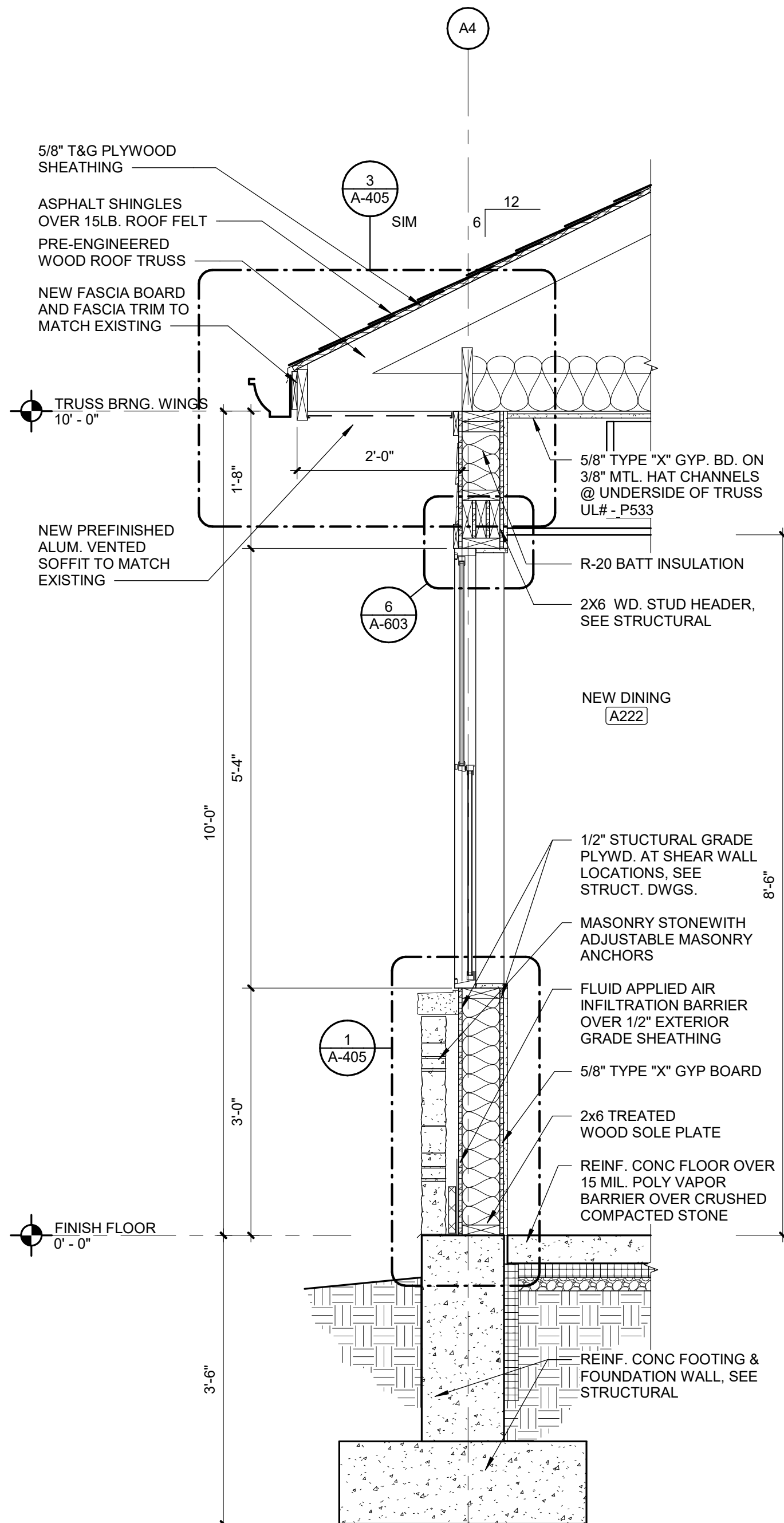
SHEET NUMBER:

# A-403

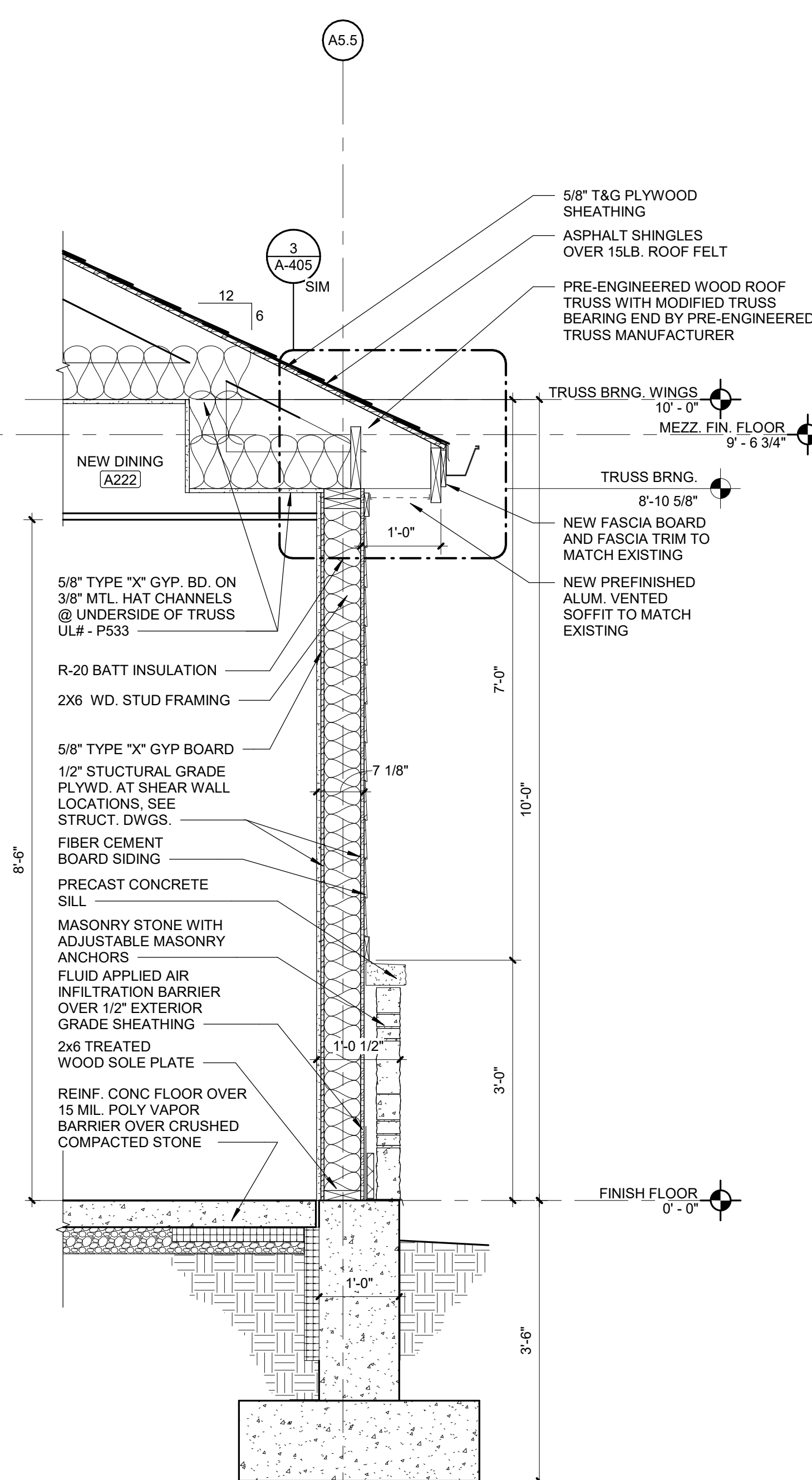
SHEET 67 OF 197  
ISSUE DATE: 08/15/2024



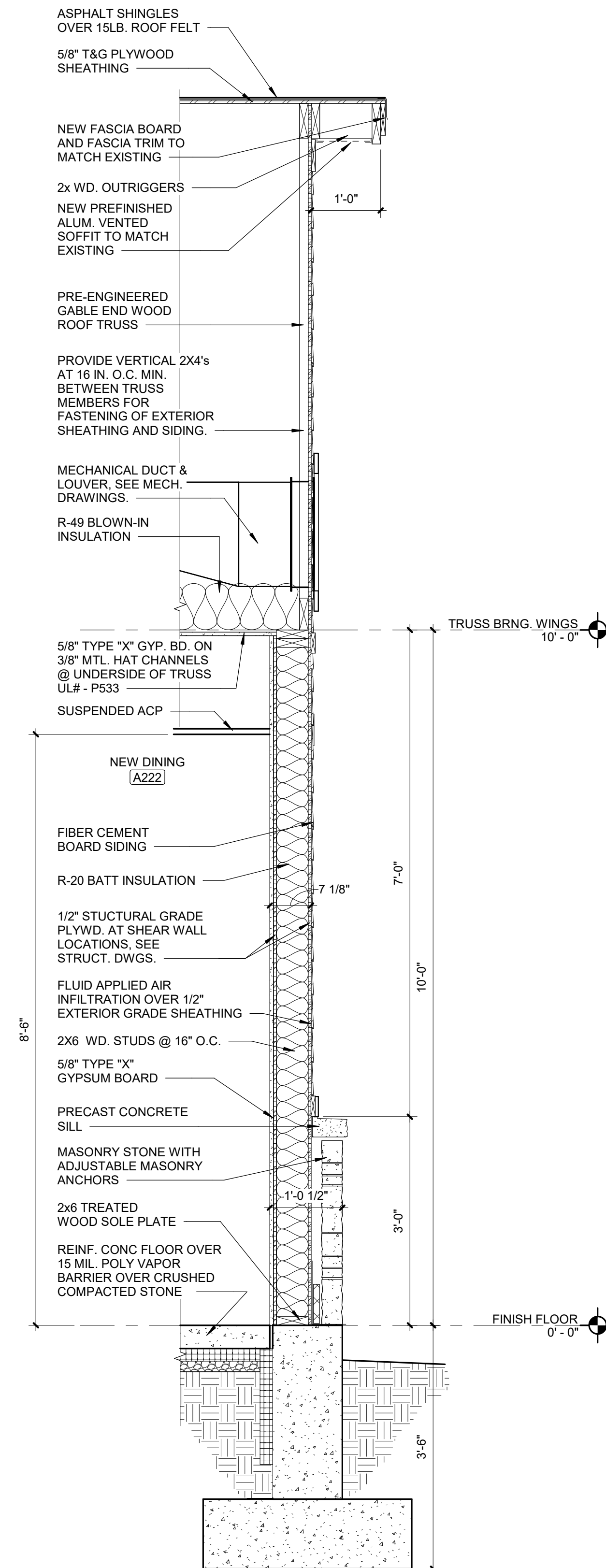
4 ENTRY WALL SECTION  
Scale: 3/4" = 1'-0"



3 WALL SECTION - NEW DINING (NE WALL)  
Scale: 3/4" = 1'-0"



2 WALL SECTION - NEW DINING (SW WALL)  
Scale: 3/4" = 1'-0"



1 WALL SECTION - NEW DINING (NW WALL)  
Scale: 3/4" = 1'-0"





Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

08/15/2024

MISSOURI VETERANS  
COMMISSION

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

#	DATE:	DESCRIPTION
---	-------	-------------

SHEET TITLE:

## WALL SECTIONS

SHEET NUMBER:

**A-404**

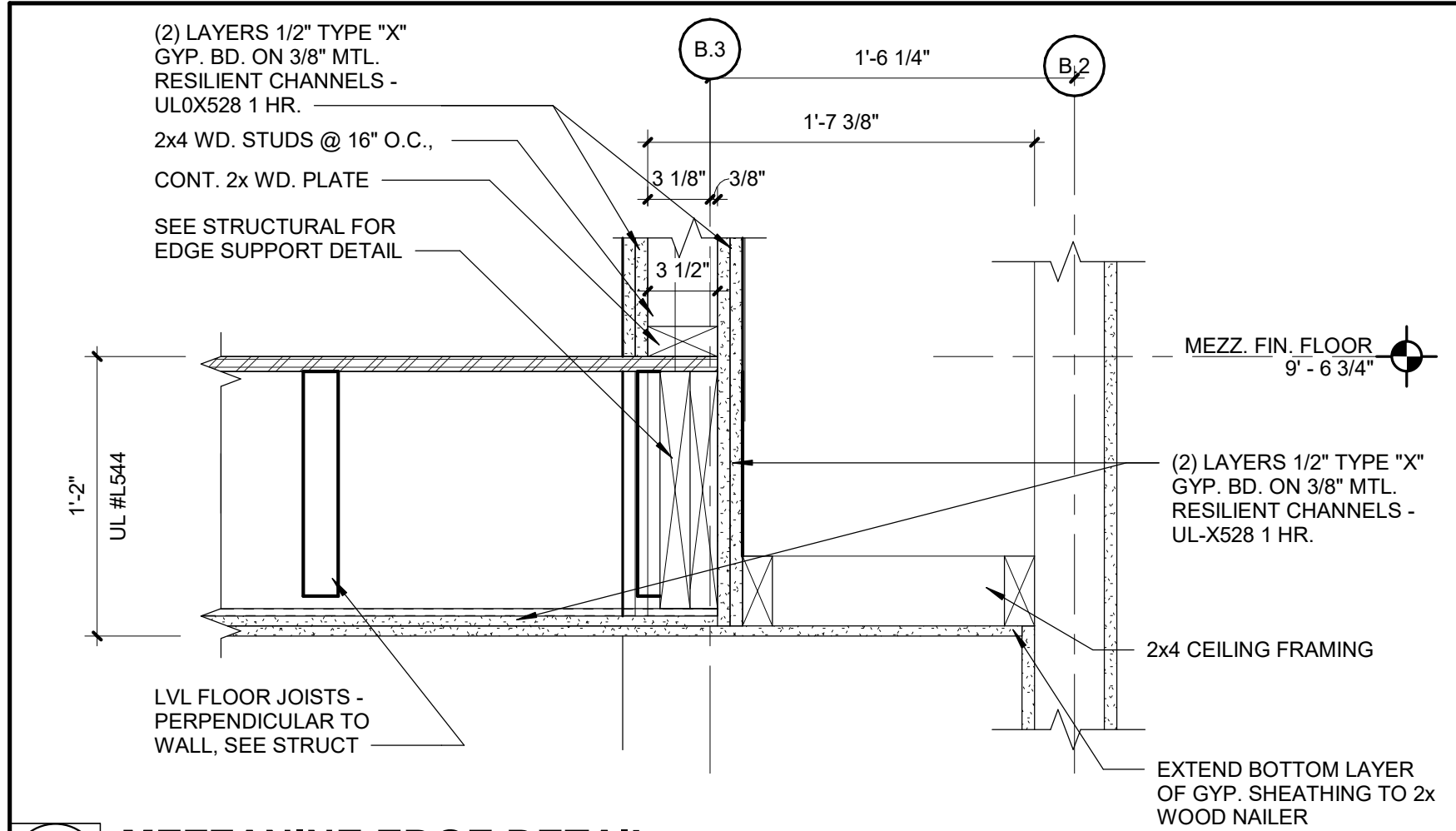
SHEET 68 OF 197  
ISSUE DATE: 08/15/2024

**3** **CORRIDOR WALL SECTION**  
Scale: 3/4" = 1'-0"

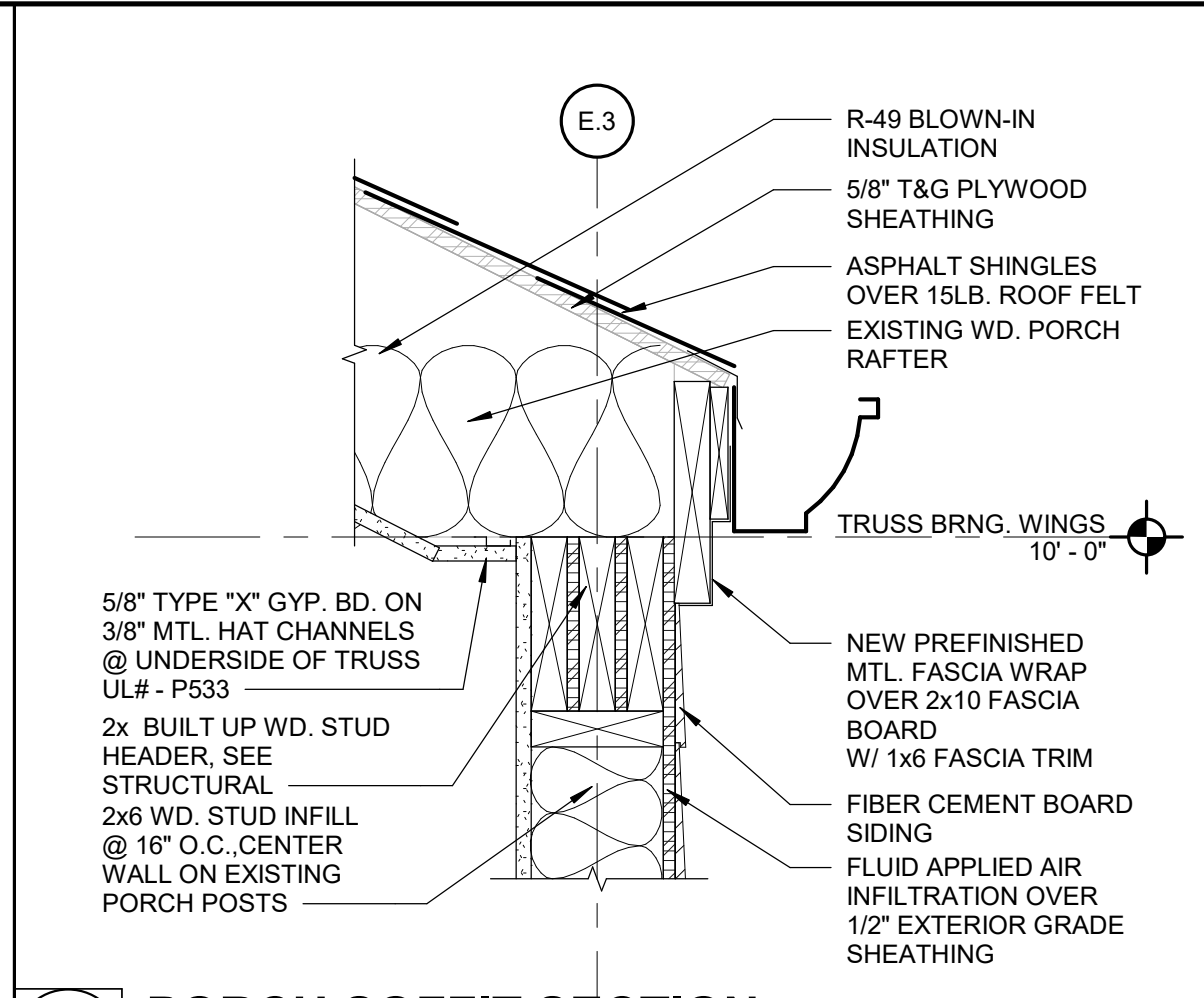
**2 OXYGEN ALCOVE WALL SECTION**  
Scale: 3/4" = 1'-0"

**1 BREAK ROOM WALL SECTION**  
Scale: 3/4" = 1'-0"

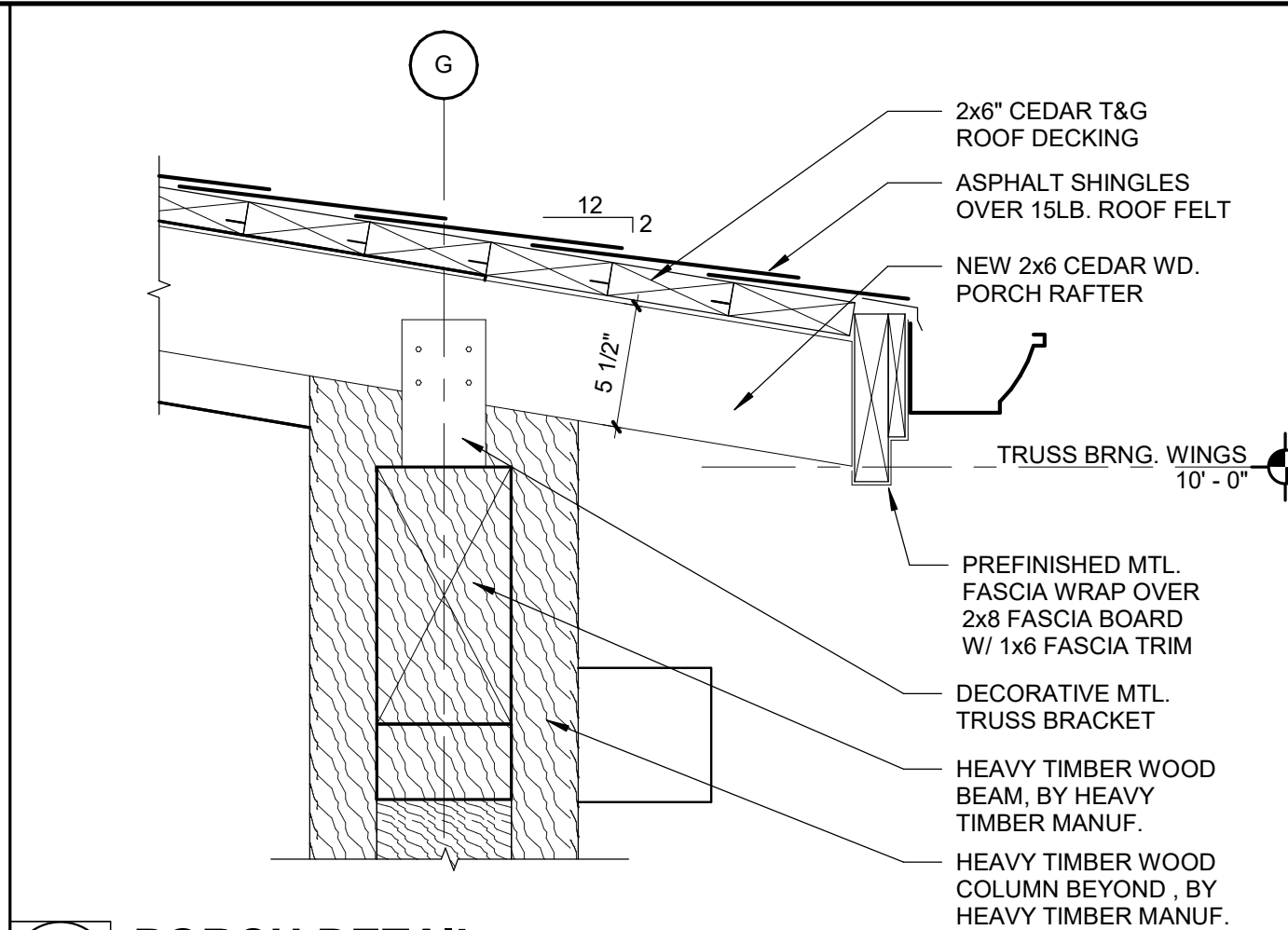




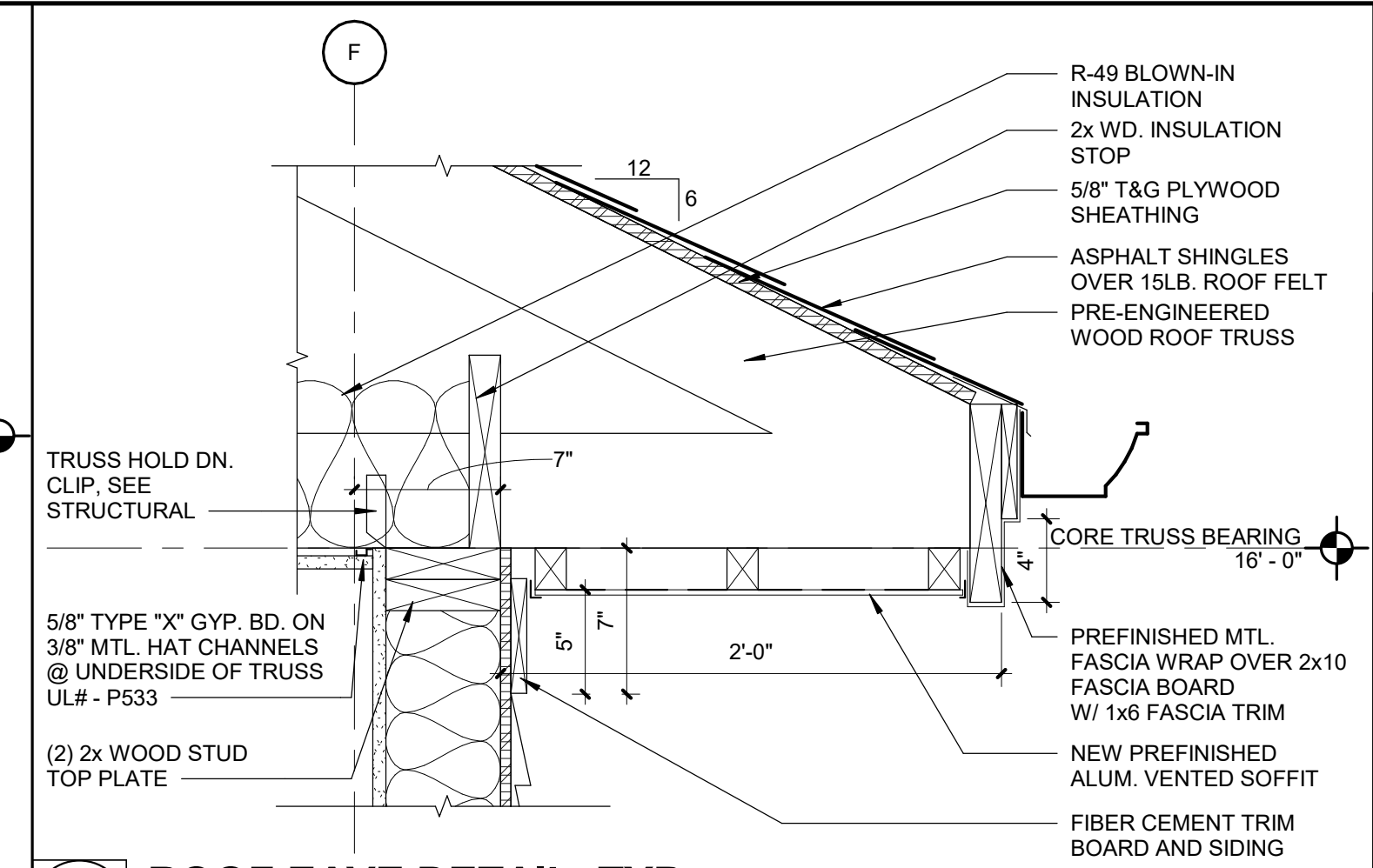
**13 MEZZANINE EDGE DETAIL**  
Scale: 1 1/2" = 1'-0"



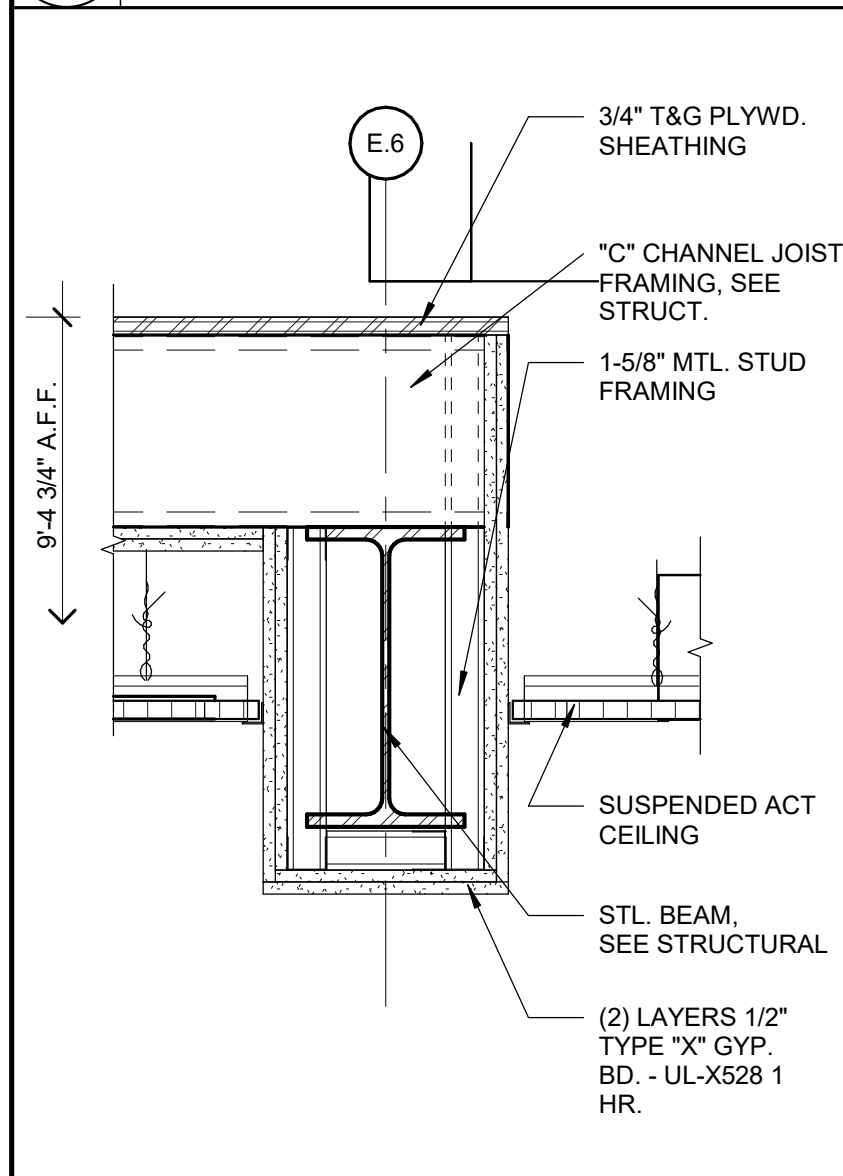
**9 PORCH SOFFIT SECTION**  
Scale: 1 1/2" = 1'-0"



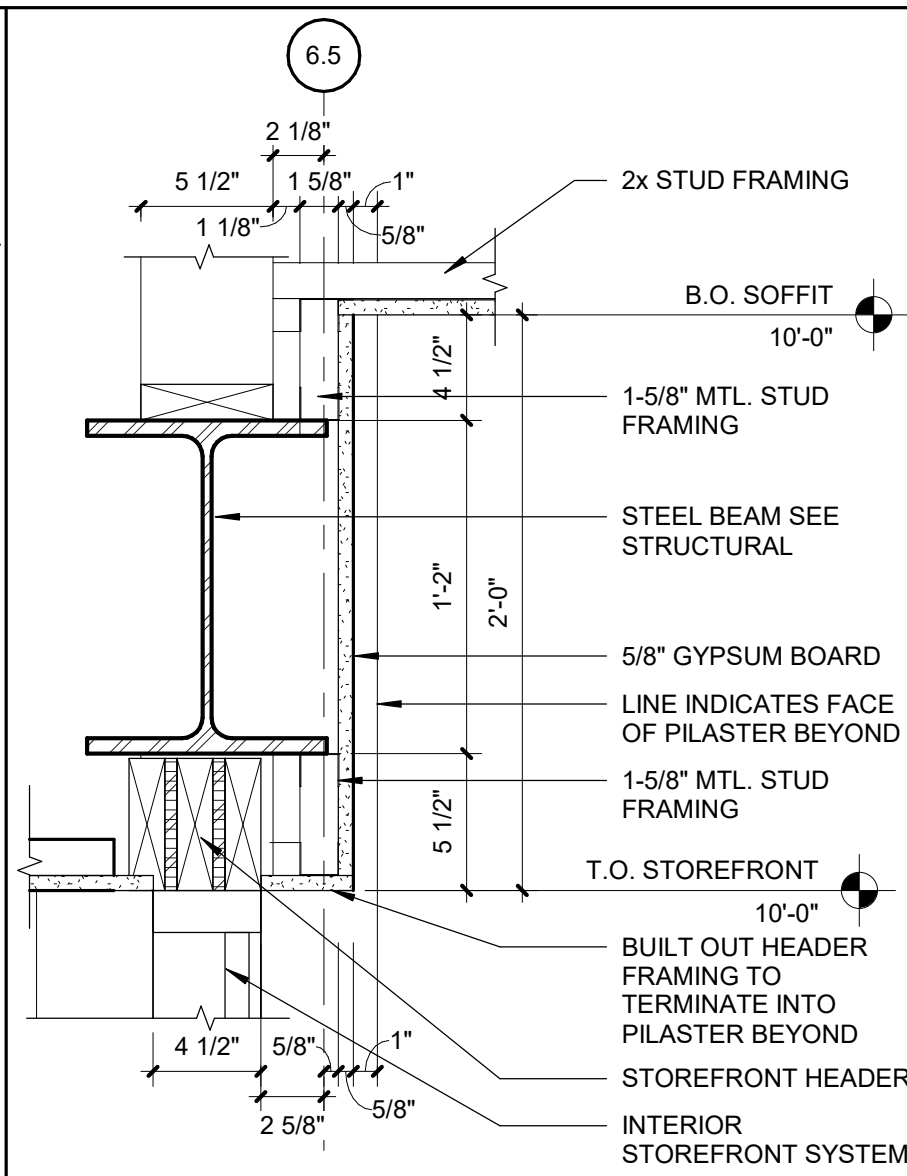
**6 PORCH DETAIL**  
Scale: 1 1/2" = 1'-0"



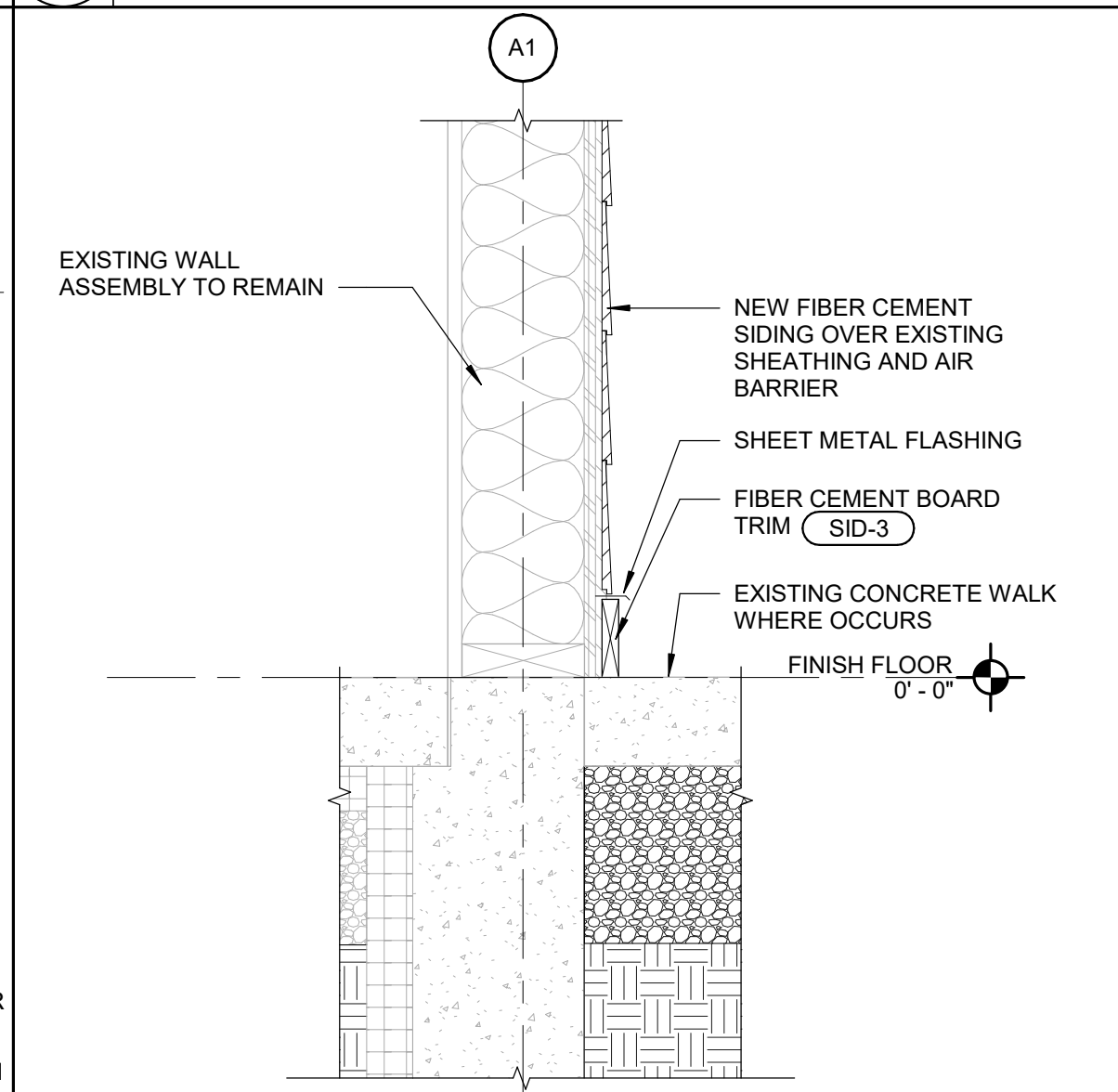
**3 ROOF EAVE DETAIL, TYP**  
Scale: 1 1/2" = 1'-0"



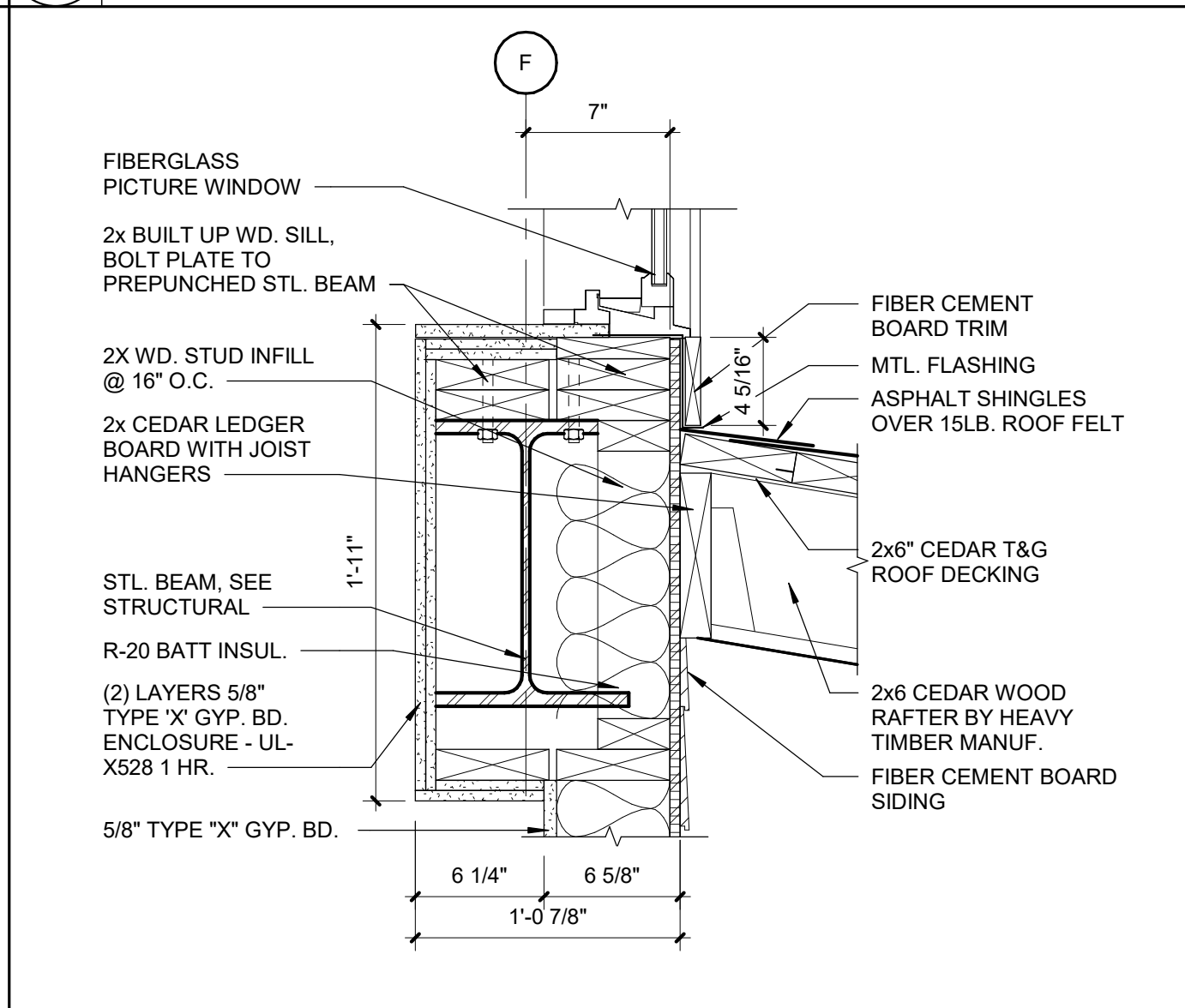
**12 PLATFORM DETAIL**  
Scale: 1 1/2" = 1'-0"



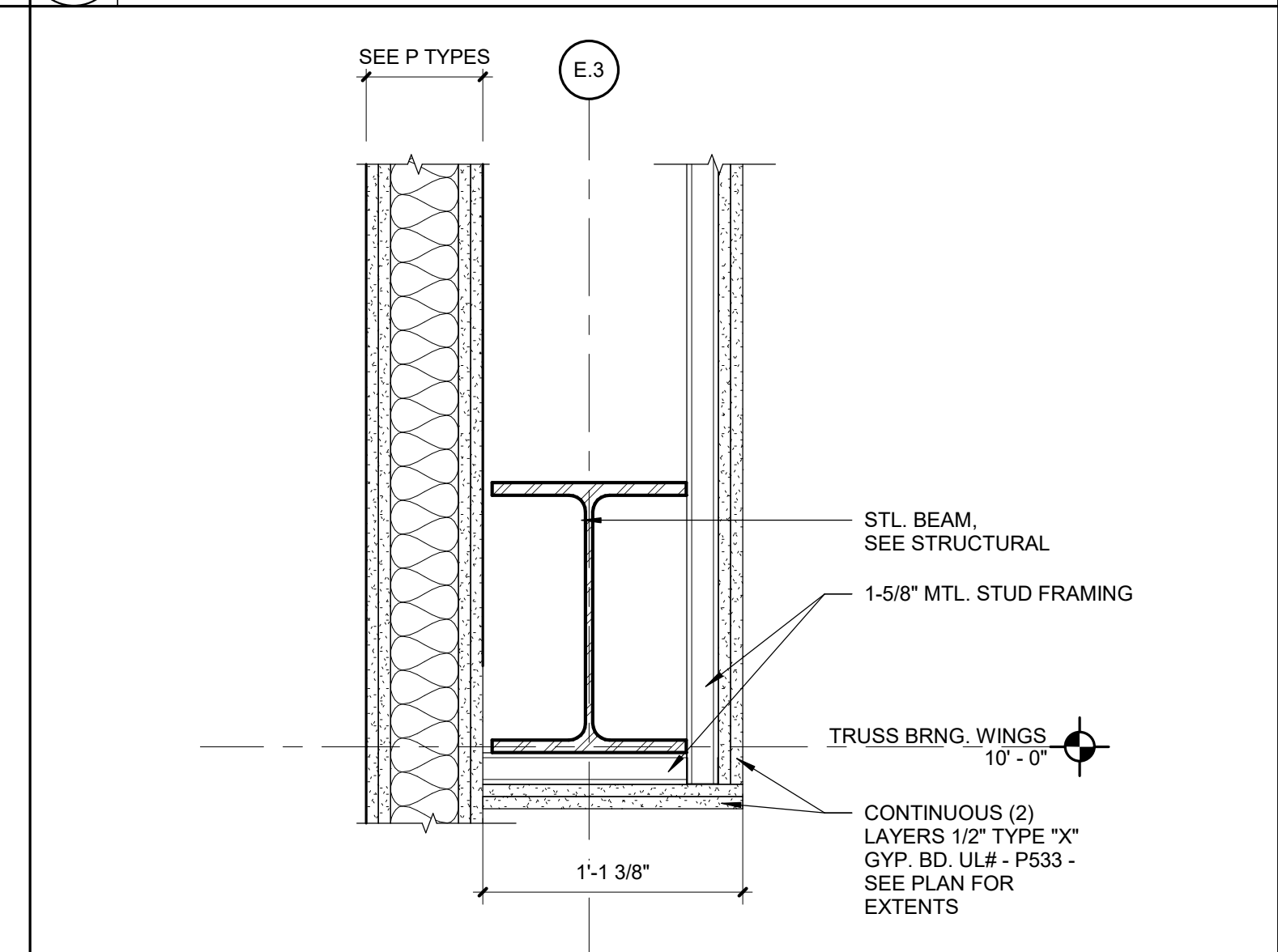
**11 DETAIL AT STOREFRONT HEAD**  
Scale: 1 1/2" = 1'-0"



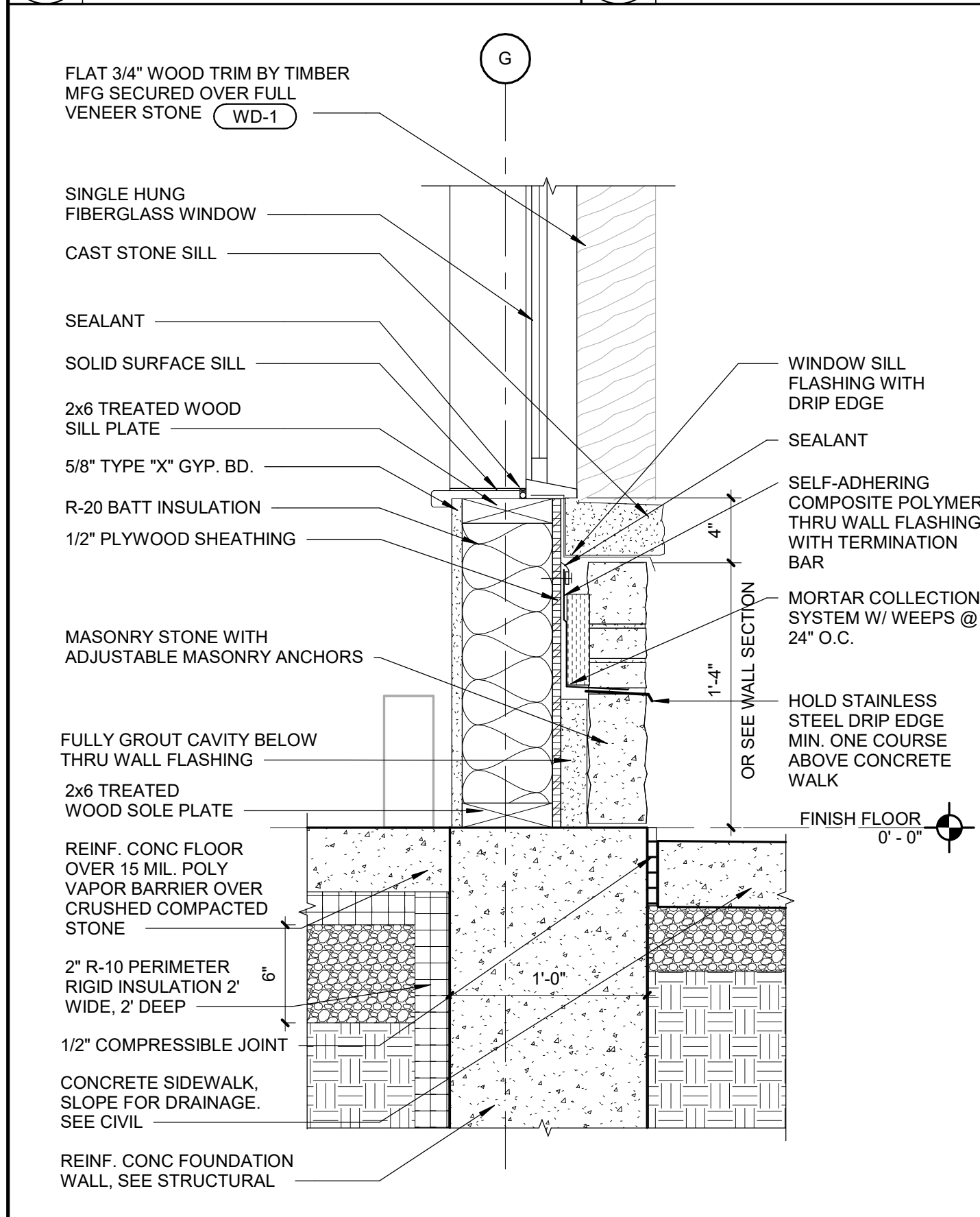
**8 TYP. BASE DETAIL @ NEW SIDING**  
Scale: 1 1/2" = 1'-0"



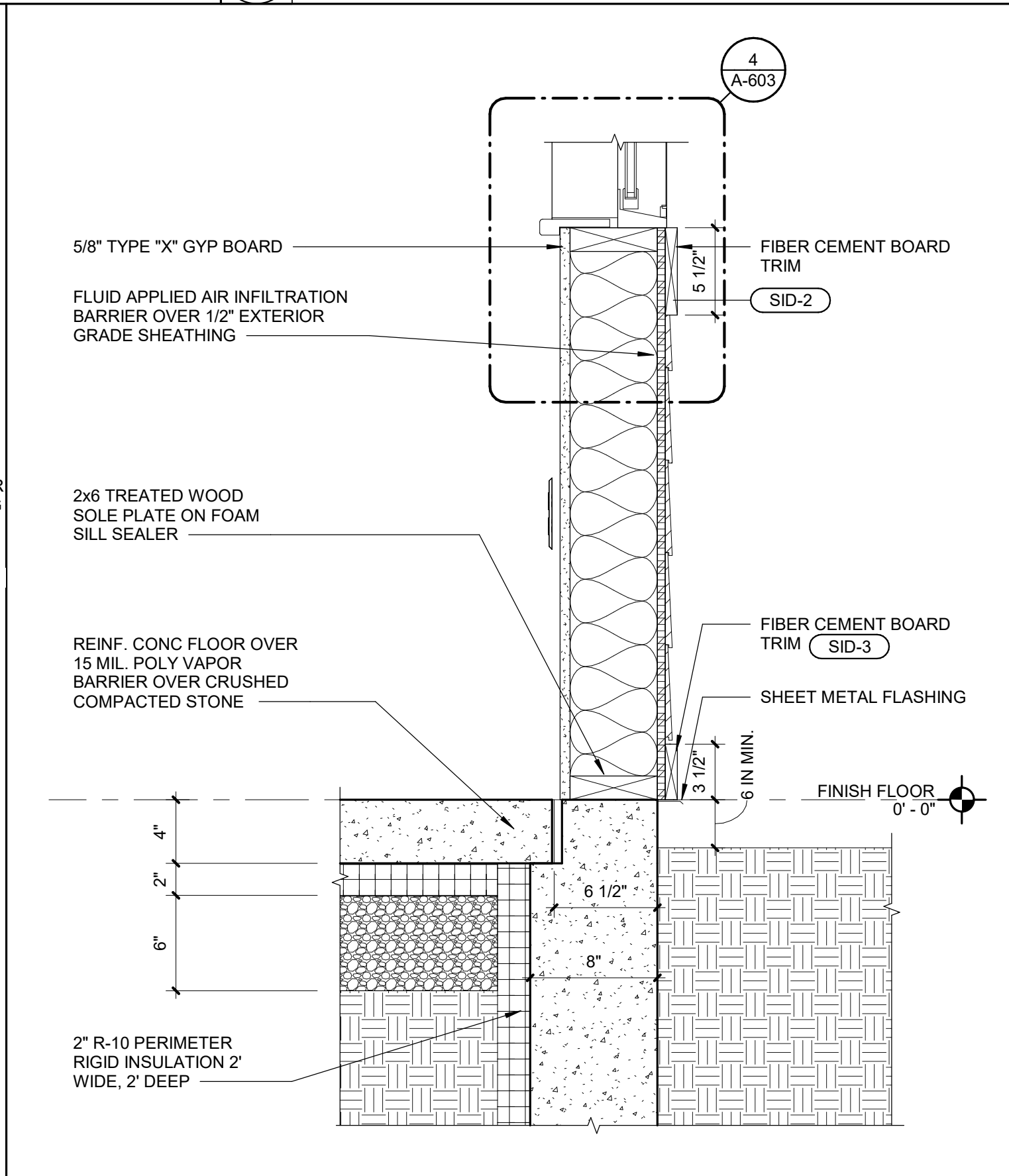
**5 WINDOW SILL AT CLERESTORY**  
Scale: 1 1/2" = 1'-0"



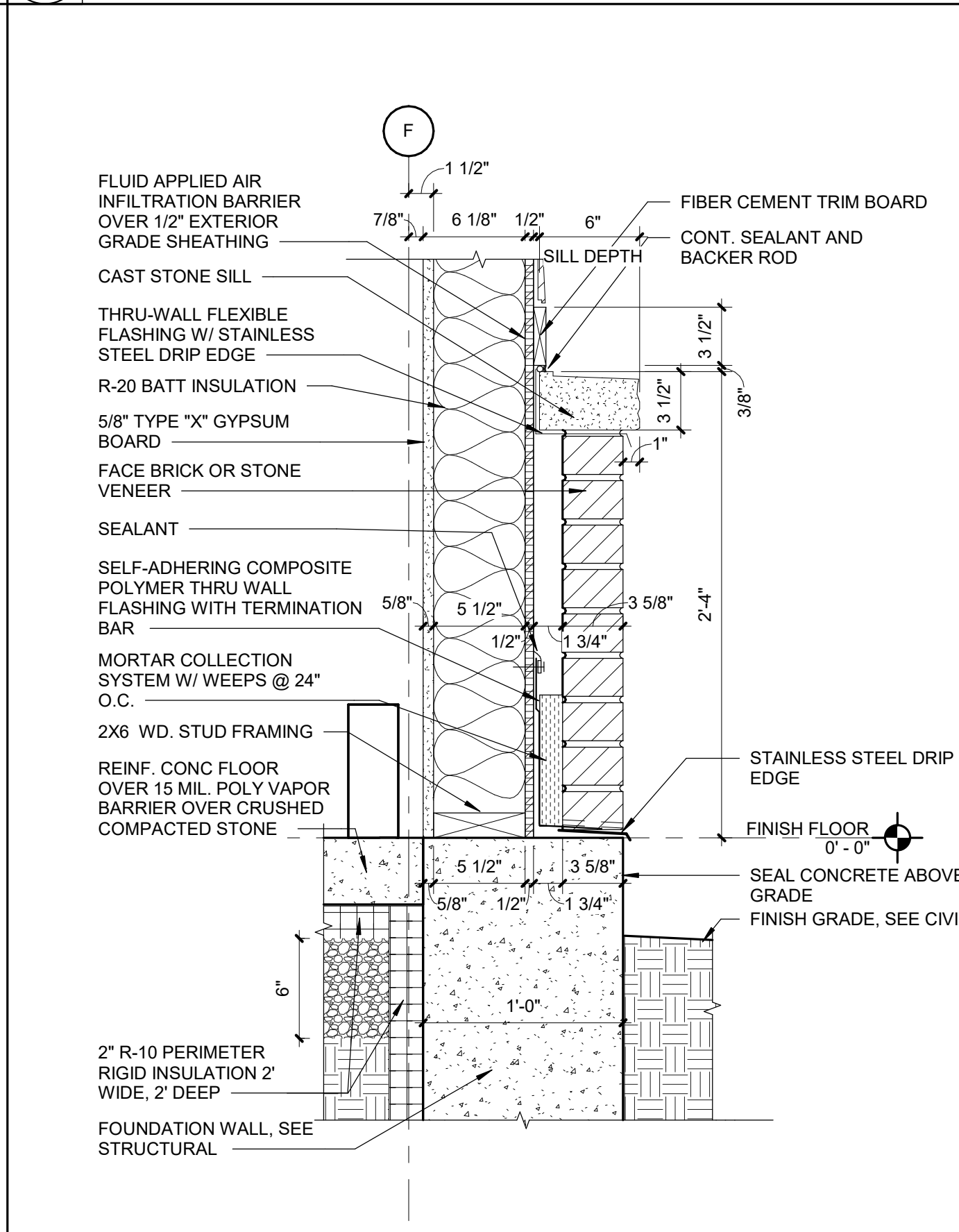
**2 BEAM ENCASEMENT, TYP.**  
Scale: 1 1/2" = 1'-0"



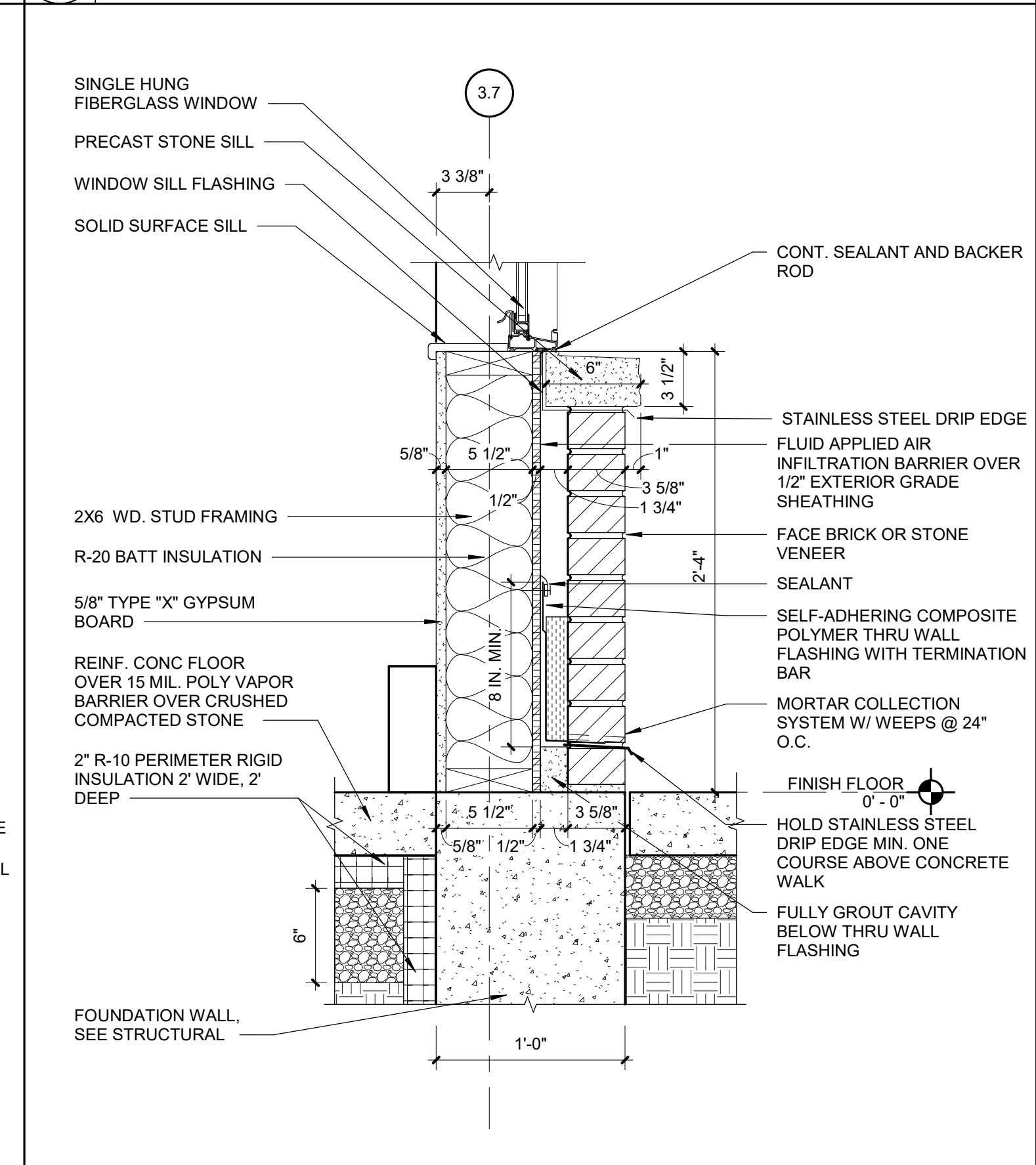
**10 STONE WALL BASE DETAIL**  
Scale: 1 1/2" = 1'-0"



**7 TYPICAL BASE DETAIL @ SIDING**  
Scale: 1 1/2" = 1'-0"

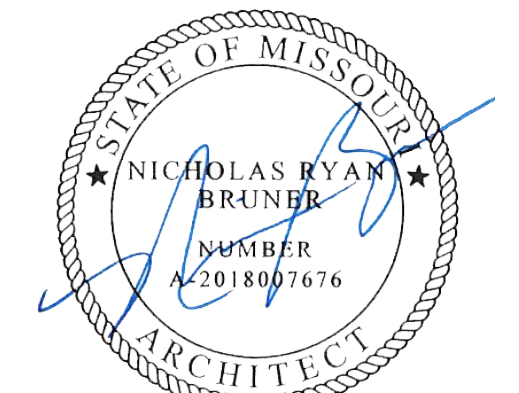


**4 CAST STONE SILL @ SIDING & MASONRY WALL, TYP**  
Scale: 1 1/2" = 1'-0"

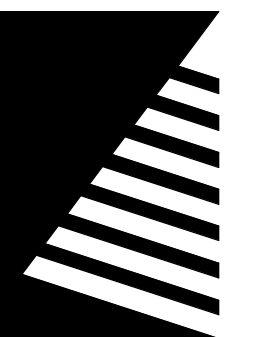


**1 CAST STONE SILL @ WINDOW, TYP**  
Scale: 1 1/2" = 1'-0"

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: JCS  
CHECKED BY: NRB  
DESIGNED BY: JCS

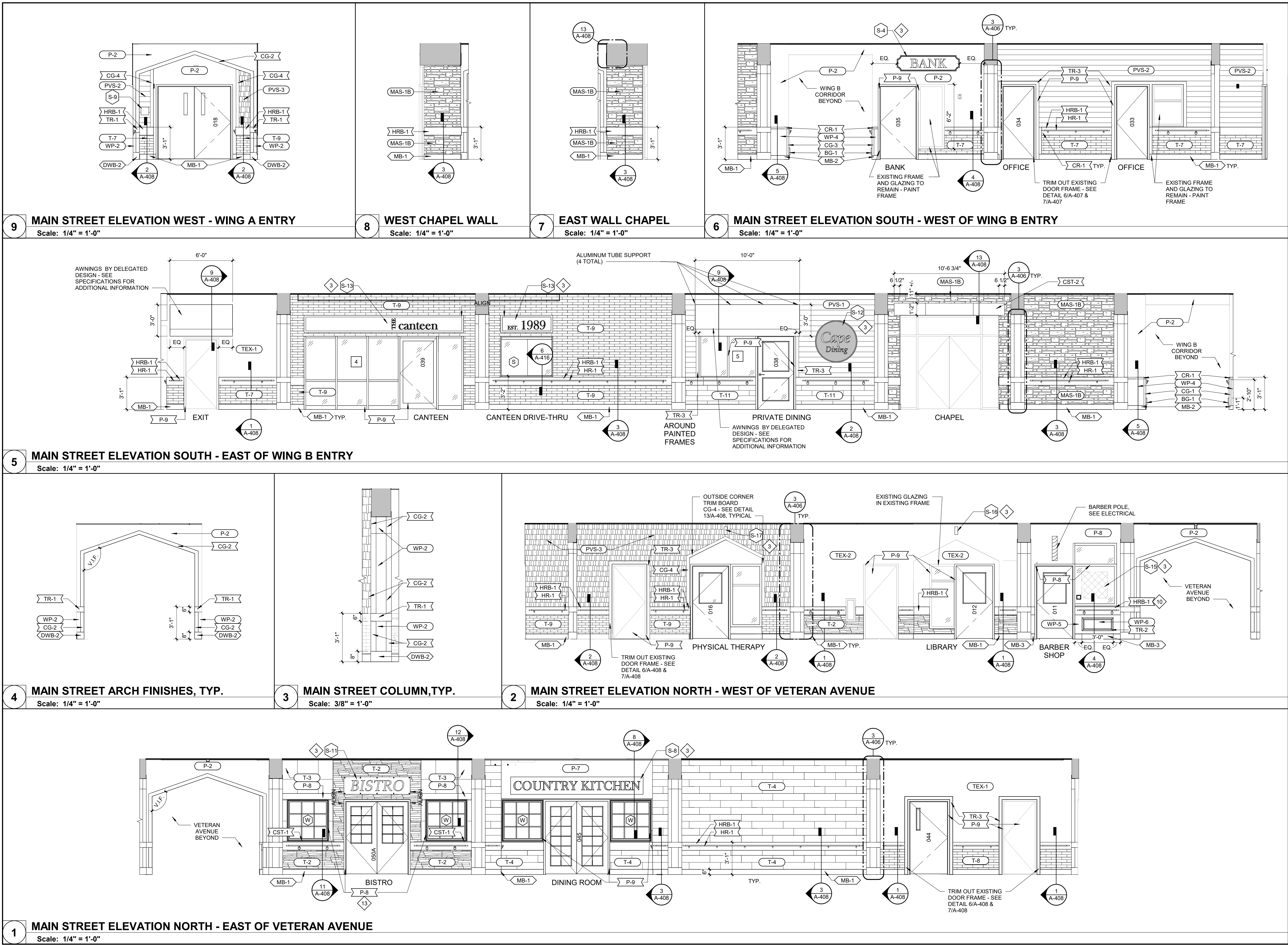
SHEET TITLE:  
**ENLARGED SECTION  
DETAILS**

SHEET NUMBER:

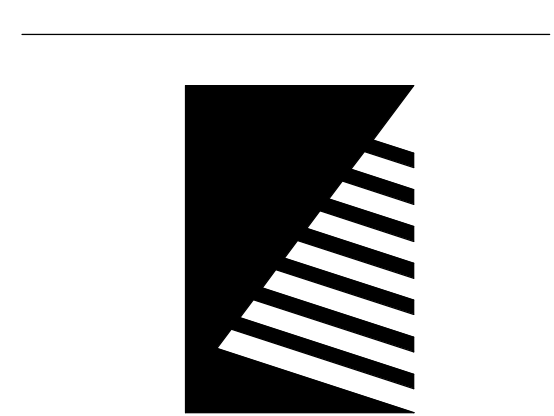
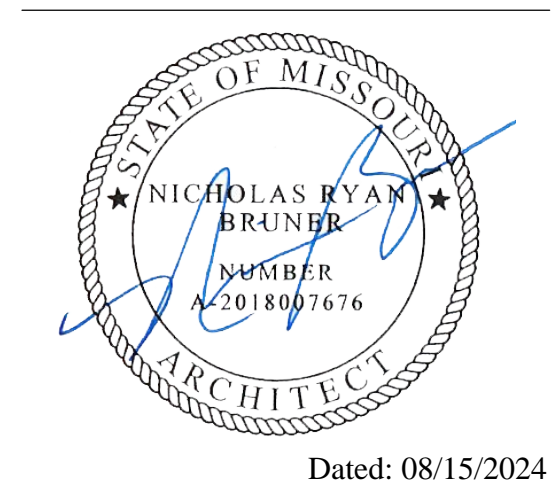
**A-405**

SHEET 69 OF 197  
ISSUE DATE: 08/15/2024





STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
ASSET #: 8136803002  
FAI #: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: JCS  
CHECKED BY: NRB  
DESIGNED BY: JCS

SHEET TITLE:  
**MAIN STREET  
ELEVATIONS**

SHEET NUMBER:  
**A-406**

SHEET 70 OF 197  
ISSUE DATE: 08/15/2024



UL-XS28 RATED ASSEMBLY TERMINATE INTO WALL/CEILING 33, U.N.O.

D.11

11 1/4"

5 5/8" 5 5/8"

SEE INTERIORS AND ELEVATIONS FOR DIMENSIONAL TRIMS AND FINISHES

PRIVATE DINING 038

1 5/8" MTL. STUD FRAMING

EXISTING 6X6 TIMBER COLUMN

D.12

11 1/4"

5 5/8" 5 5/8"

PROVIDE UL-XS28 RATED ASSEMBLY AT COLUMN. (2) LAYERS 5/8" TYPE 'X' GYP. BD.

[illegible]

The architectural drawing consists of two parts. The left part is a perspective-like elevation of a building facade featuring a gabled roofline. Labels point to various elements: CG-2 (corner gable), TR-3 (transom), HRB-1 (horizontal bar), DWB-1 (double window bar), TEX-1 (textured surface), and DWB-2 (double window bar). The right part is a detailed cross-section or plan view of the entrance area. It shows a door frame with multiple panes labeled S-9, HRB-1, and HR-1. Above the door is a transom labeled TR-1 and CG-2. A circular feature labeled T-9 is shown below the door. To the right of the door is a vertical element labeled O40. Dimensions are indicated as 2'-10" T.O. and 3'-1" T.O. Other labels include MB-1 (main body) and DWB-2 (double window bar).

Architectural section drawing showing a building interior with various structural and finishing elements. The drawing includes dimensions and labels for existing and new components.

**Labels and Dimensions:**

- D.3** (Top center)
- EXISTING FIRE RATED BEAM ENCLOSURE REPAIR TO MATCH EXISTING RATING WHERE ROOF RAFTERS HAVE BEEN REMOVED** (Top right)
- NEW PRE-ENGINEERED WD. TRUSS** (Top right)
- 9 1/2"** (Top right, vertical dimension)
- R-49 BLOWN-IN INSULATION** (Top right)
- CORE TRUSS BEARING 16' - 0"** (Left side, horizontal dimension)
- NEW SUSPENDED ACT CEILING** (Left side, horizontal dimension)
- 5/8" TYPE "X" GYP. BD. ON 3/8" MTL. HAT CHANNELS 16" O.C. @ UNDERSIDE OF TRUSS UL# - P533** (Middle right)
- EXISTING STEEL BEAM** (Middle right)
- NEW 2x WD. FRAMED WALL** (Middle right)
- NEW SUSPENDED GYPSUM BOARD CEILING** (Middle right)
- 8 3/4" F.V.** (Middle right, vertical dimension)
- BO GYP. CEILING 11'-0"** (Left side, horizontal dimension)
- FAUX WD. BEAM ATTACHED TO 2x WD. BLOCKING** (Middle right)
- NEW 2x WD. HEADER** (Middle right)
- NEW 2x4 WD. KICKER** (Middle right)
- B.O. ACT CEILING 8'-6"** (Bottom right, horizontal dimension)
- B.O. GYP. SOFFIT 8'-0"** (Bottom left, horizontal dimension)
- 1'-11"** (Bottom center, horizontal dimension)
- NEW SUSPENDED ACT CEILING** (Bottom center)
- NEW GYP. BD. SOFFIT, ALIGN WITH COLUMN WRAP BEYOND** (Bottom right)

E.3

R-49 BLOWN-IN INSULATION

NEW PRE-ENGINEERED WD. TRUSS'

FAUX BEAM - SEE RCP FOR SIZE

CORE TRUSS BEARING 16'-0"

5/8" TYPE "X" GYP. BD. ON 3/8" MTL. HAT CHANNELS 16" O.C. @ UNDERSIDE OF TRUSS UL# - P533

CONT. 2x WD. PLATES ATTACHED TO TOP AND BOTTOM OF BEAM

STL. BEAM, SEE STRUCTURAL

2x4 WD. STUD FRAMING @ 16" O.C.

(2) LAYERS 5/8" TYPE "X" GYP. BD. ENCLOSURE - UL - X528 1 HR.

T.O.S. 11'-0"

STL. PLATE, SEE STRUCTURAL

STL. BEAM, SEE STRUCTURAL

B.O. ACT CEILING 8'-6"

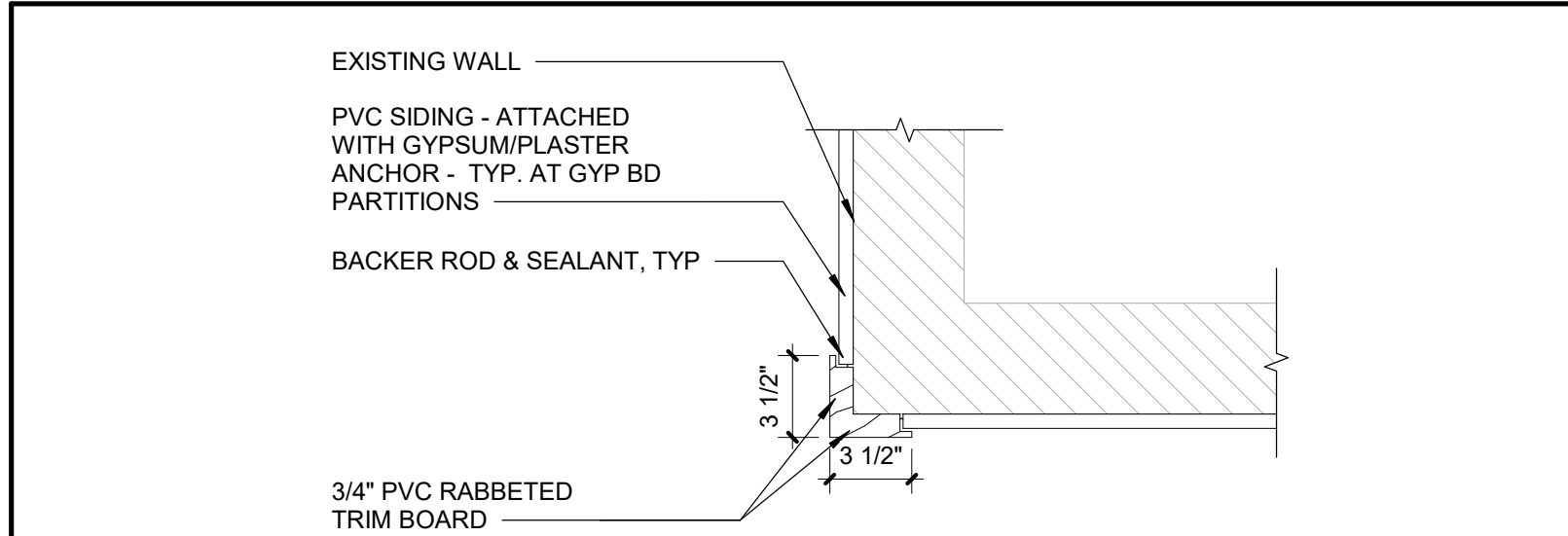
11 1/2" 11 1/2" 1'-11"

B.O. GYP. SOFFIT 8'-0"

ALIGN W/ COLUMN FACE BELOW

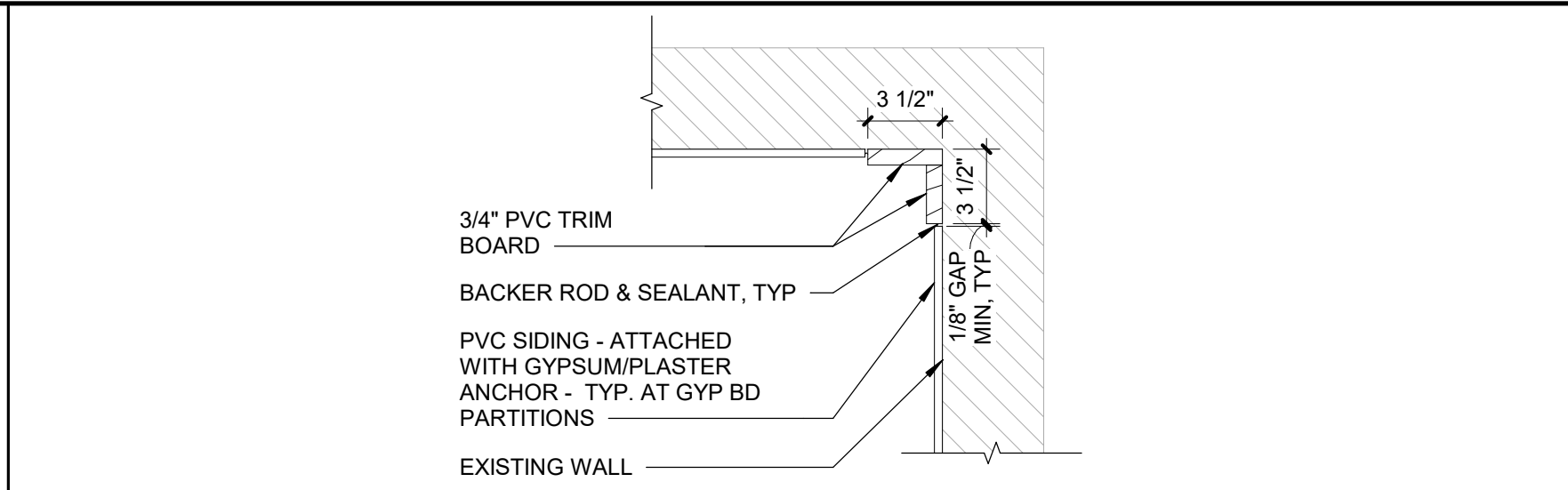
1 MAIN STREET EAST AT TLT. RM. AND SERVICE CORR  
Scale: 1/4" = 1'-0"





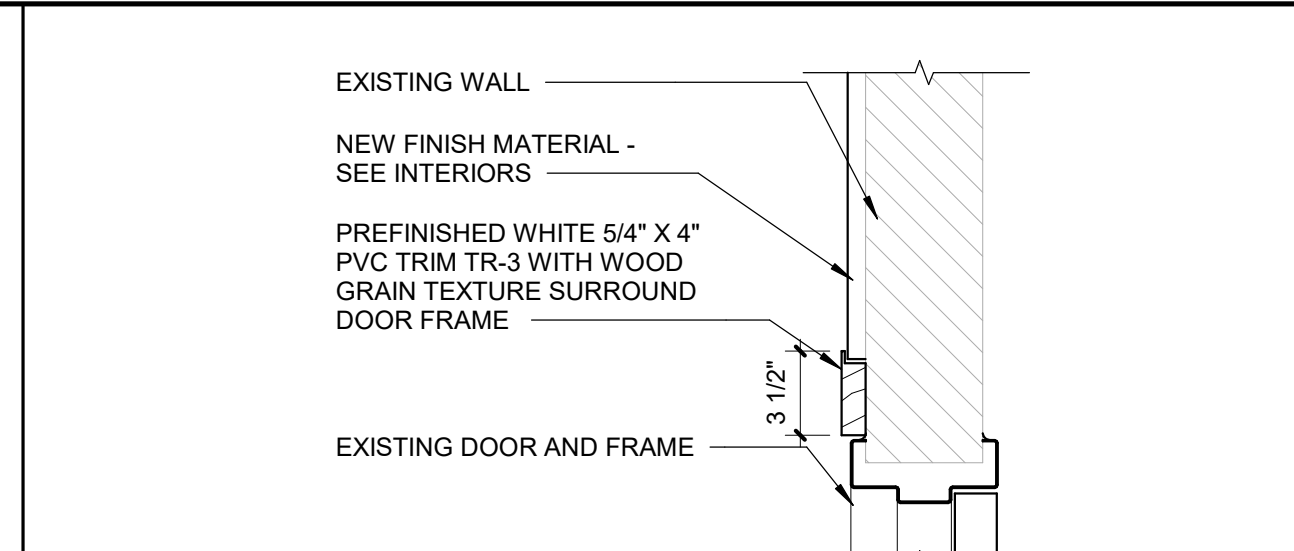
**14 OUTSIDE CORNER DETAIL (CG-4)**

Scale: 1 1/2" = 1'-0"



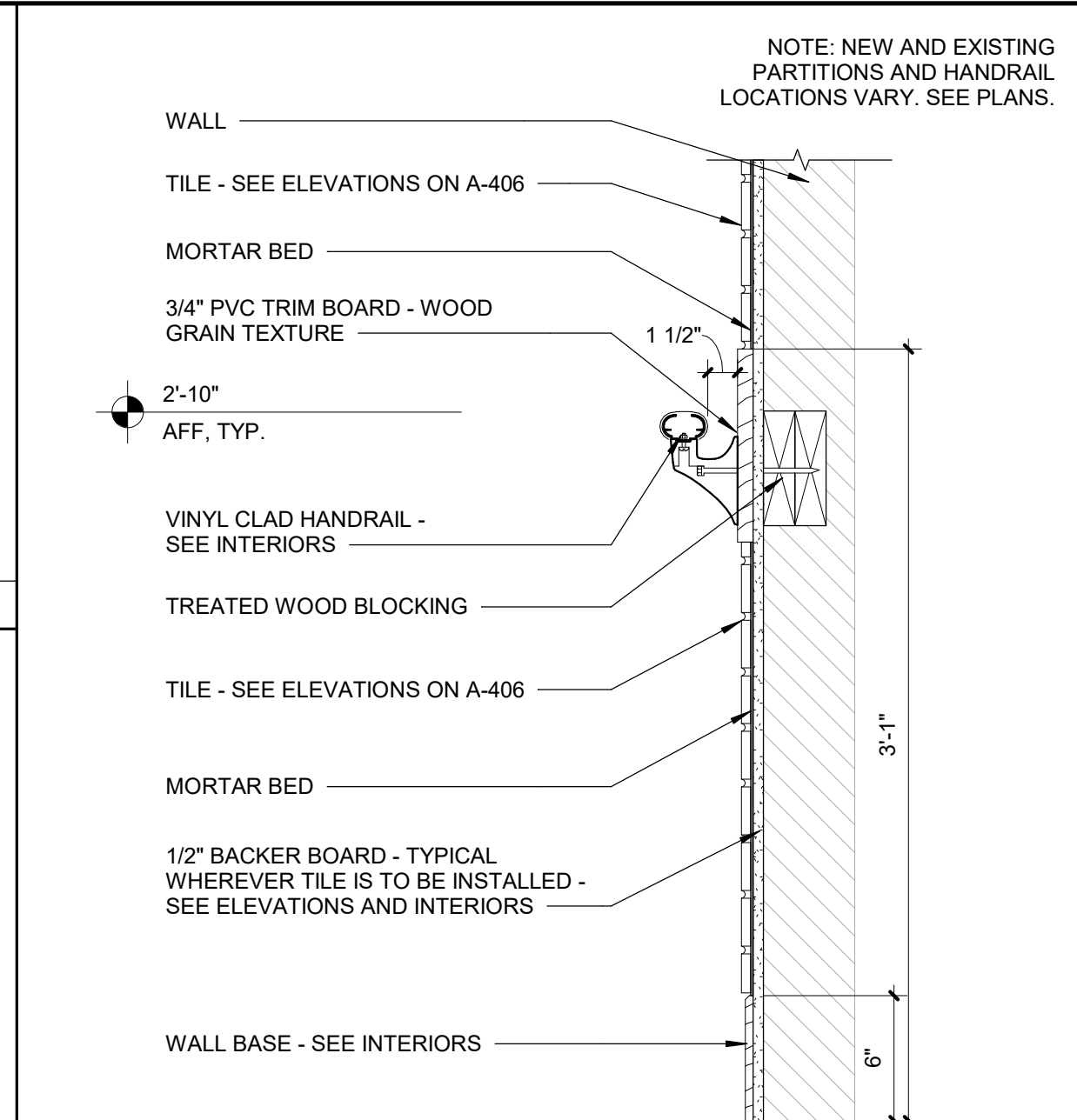
**10 INSIDE CORNER DETAIL**

Scale: 1 1/2" = 1'-0"



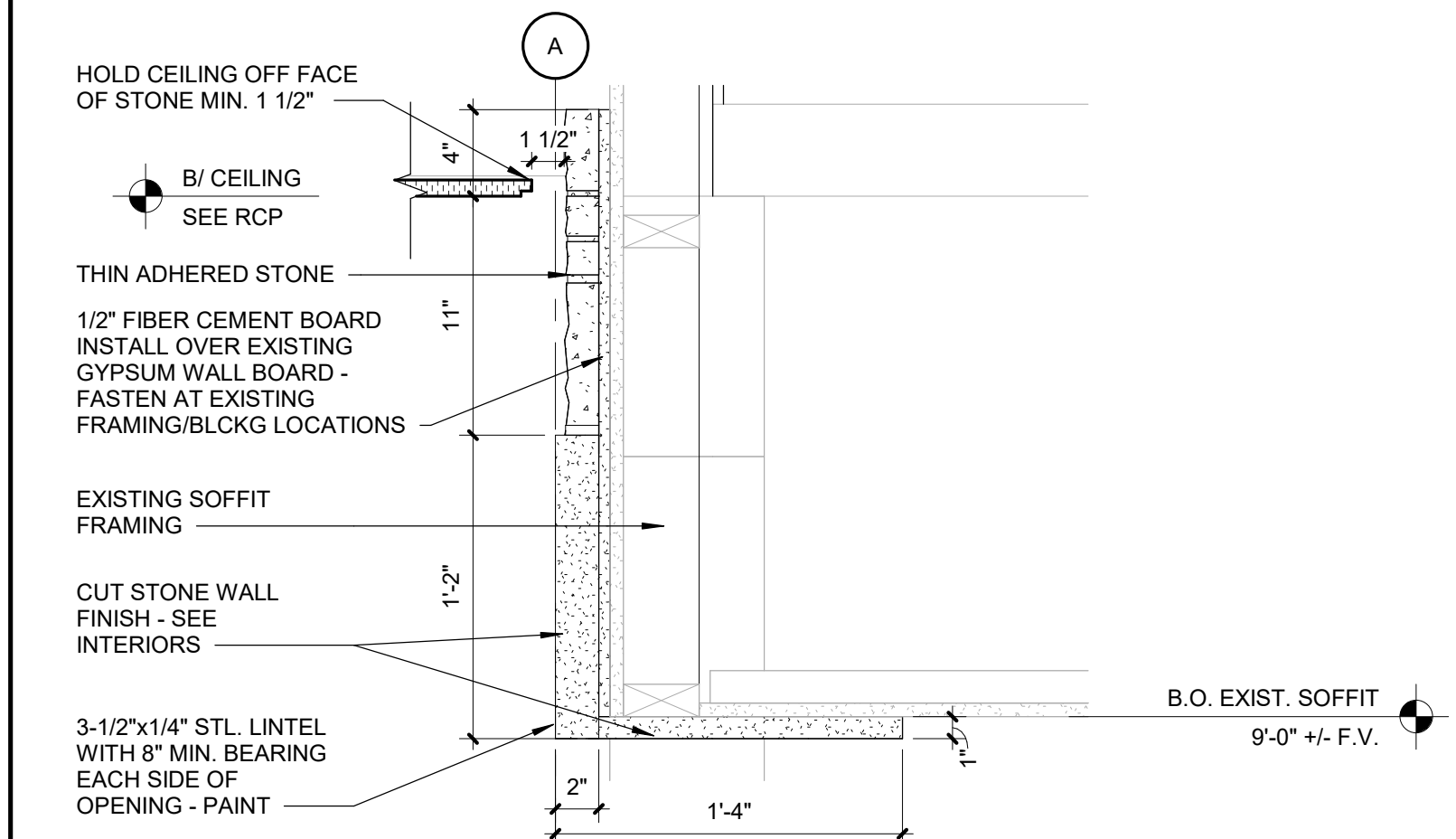
**7 DOOR HEAD DETAIL (TR-3)**

Scale: 1 1/2" = 1'-0"



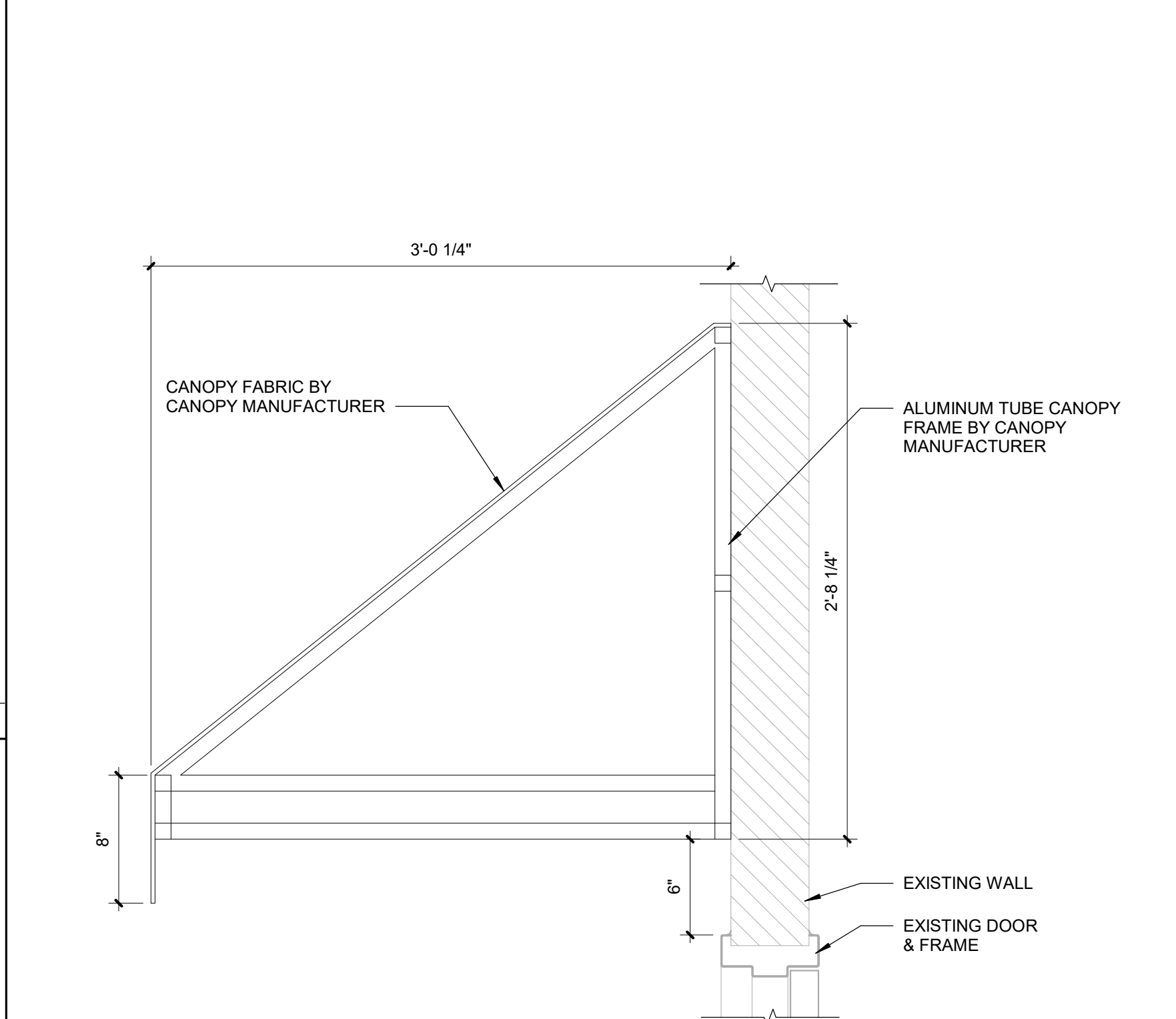
**3 TILE/STONE OVER TILE/STONE**

Scale: 1 1/2" = 1'-0"



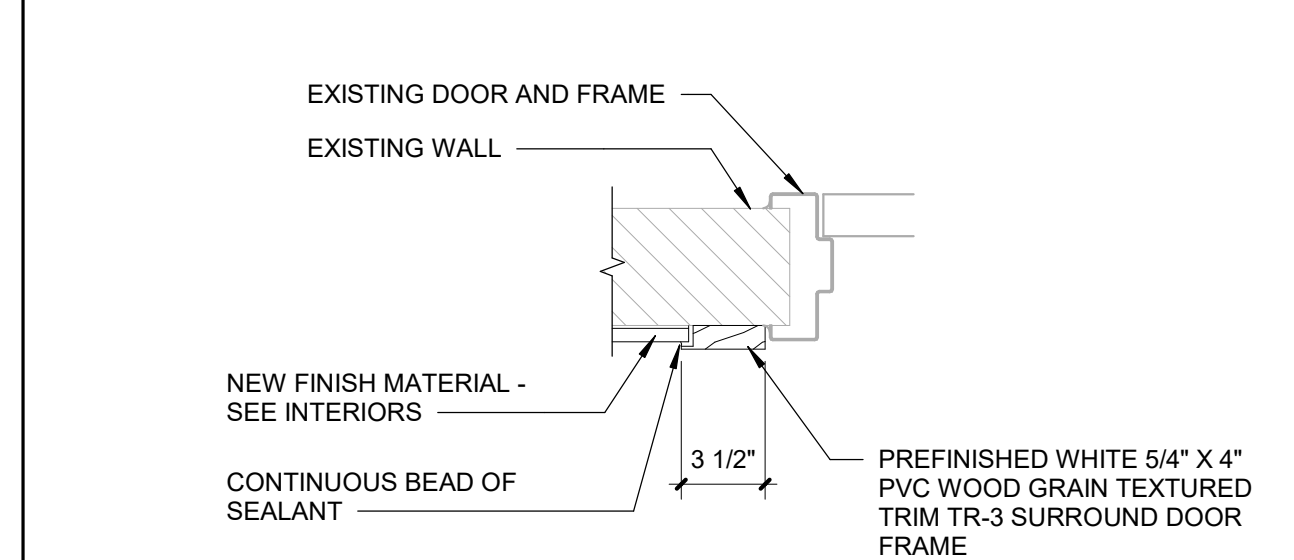
**13 DETAIL - SOFFIT SECTION AT CHAPEL ENTRY**

Scale: 1 1/2" = 1'-0"



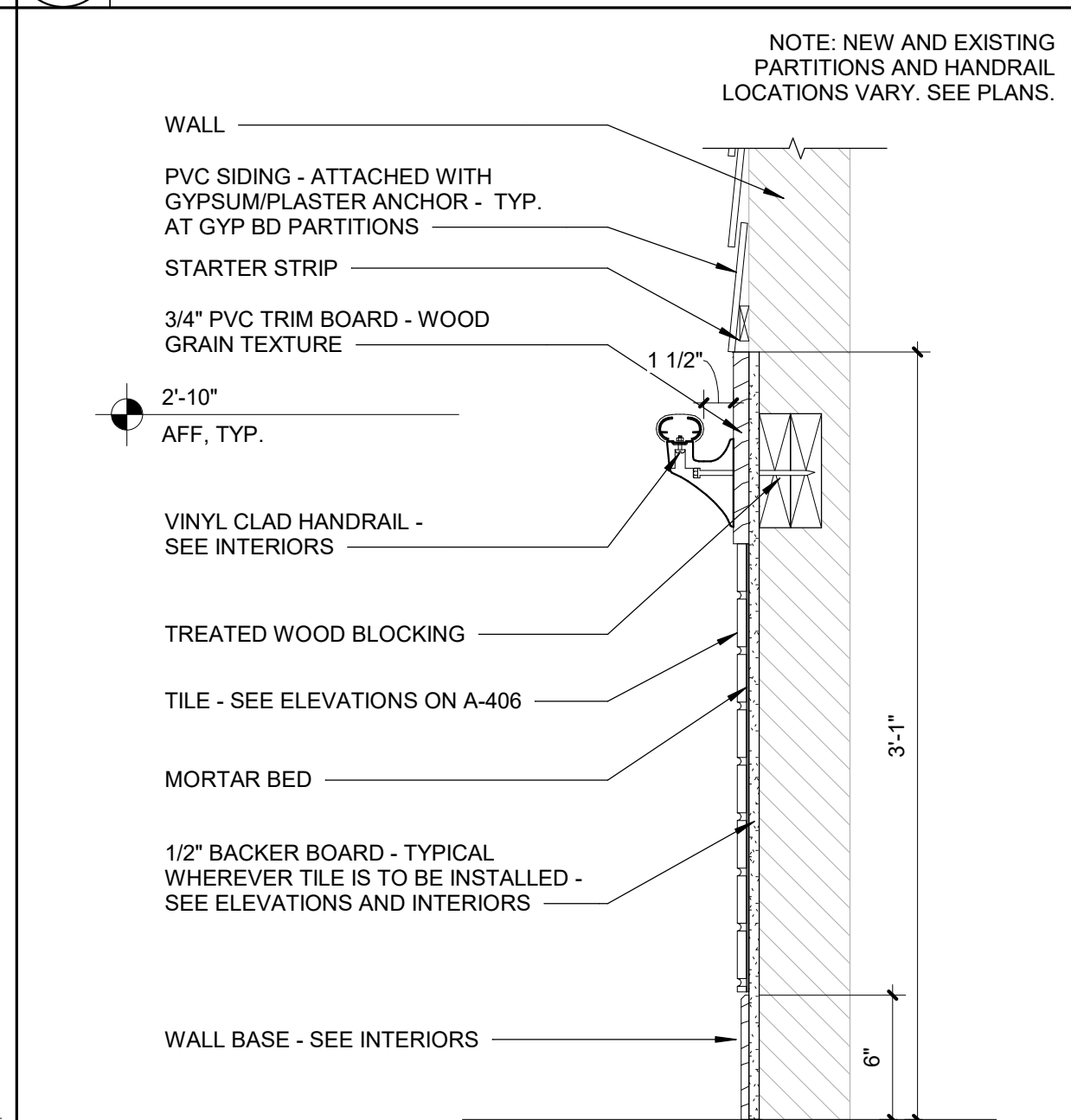
**9 INTERIOR CANOPY DETAIL**

Scale: 1 1/2" = 1'-0"



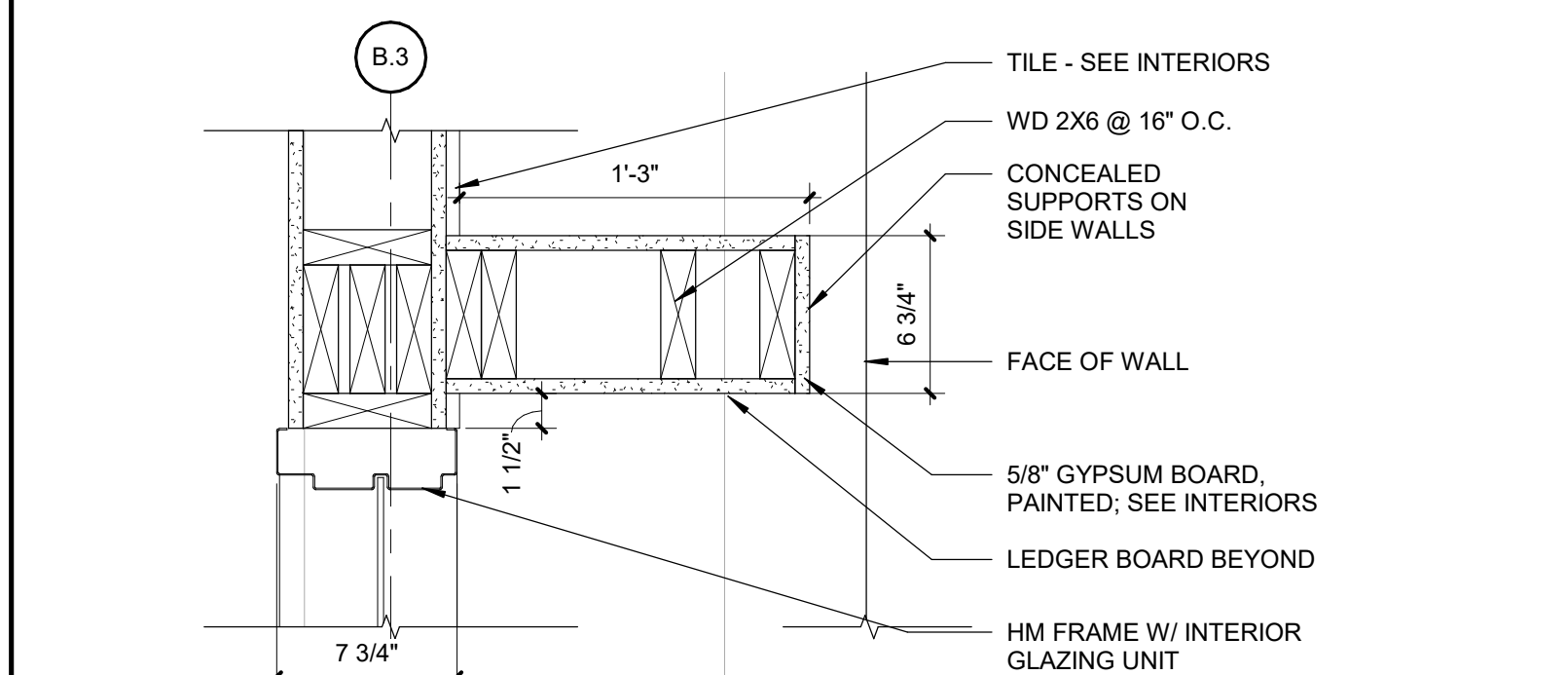
**6 DOOR JAMB DETAIL (TR-3)**

Scale: 1 1/2" = 1'-0"



**2 SIDING OVER TILE**

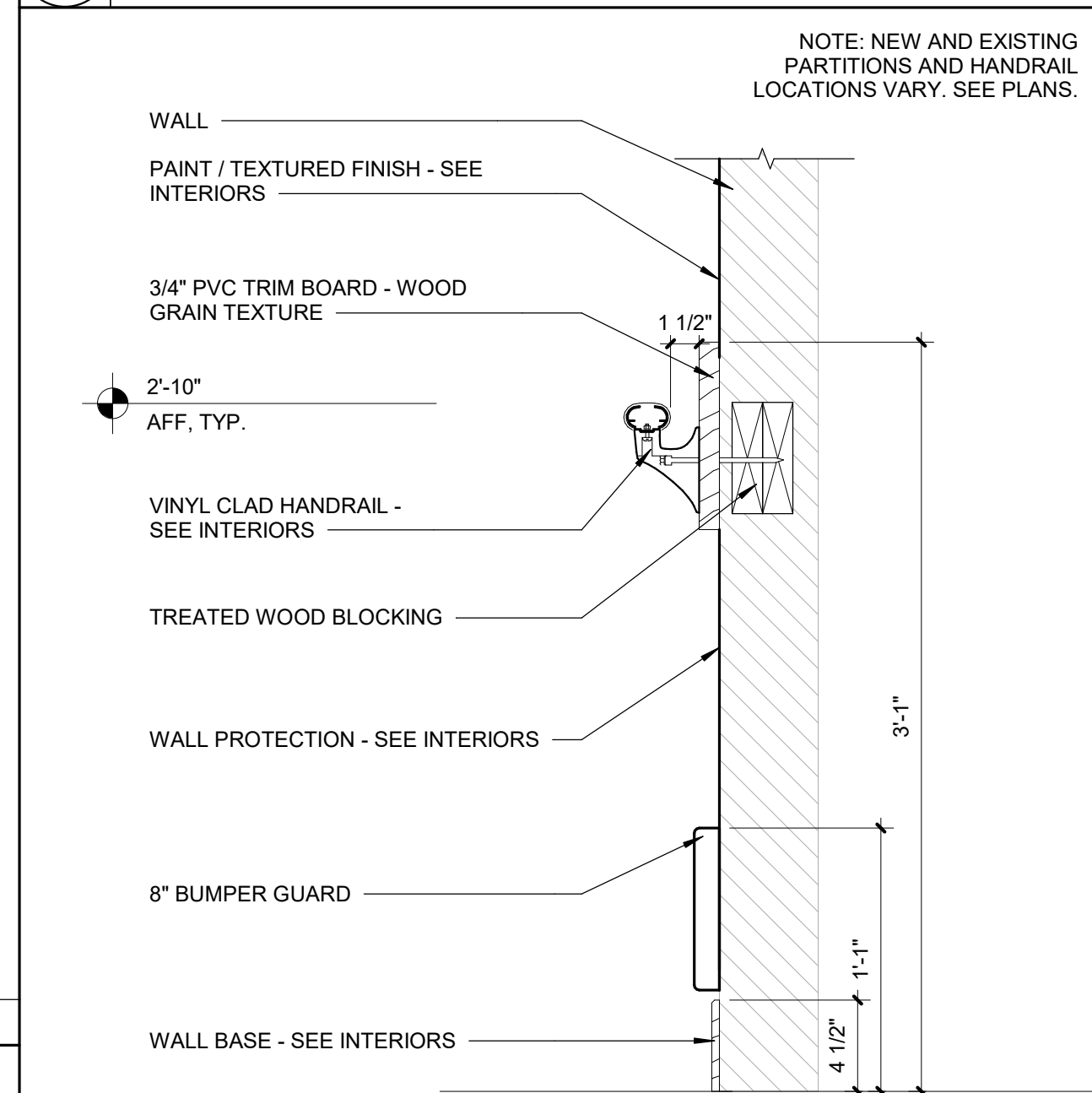
Scale: 1 1/2" = 1'-0"



**12 BISTRO @ MAIN STREET**

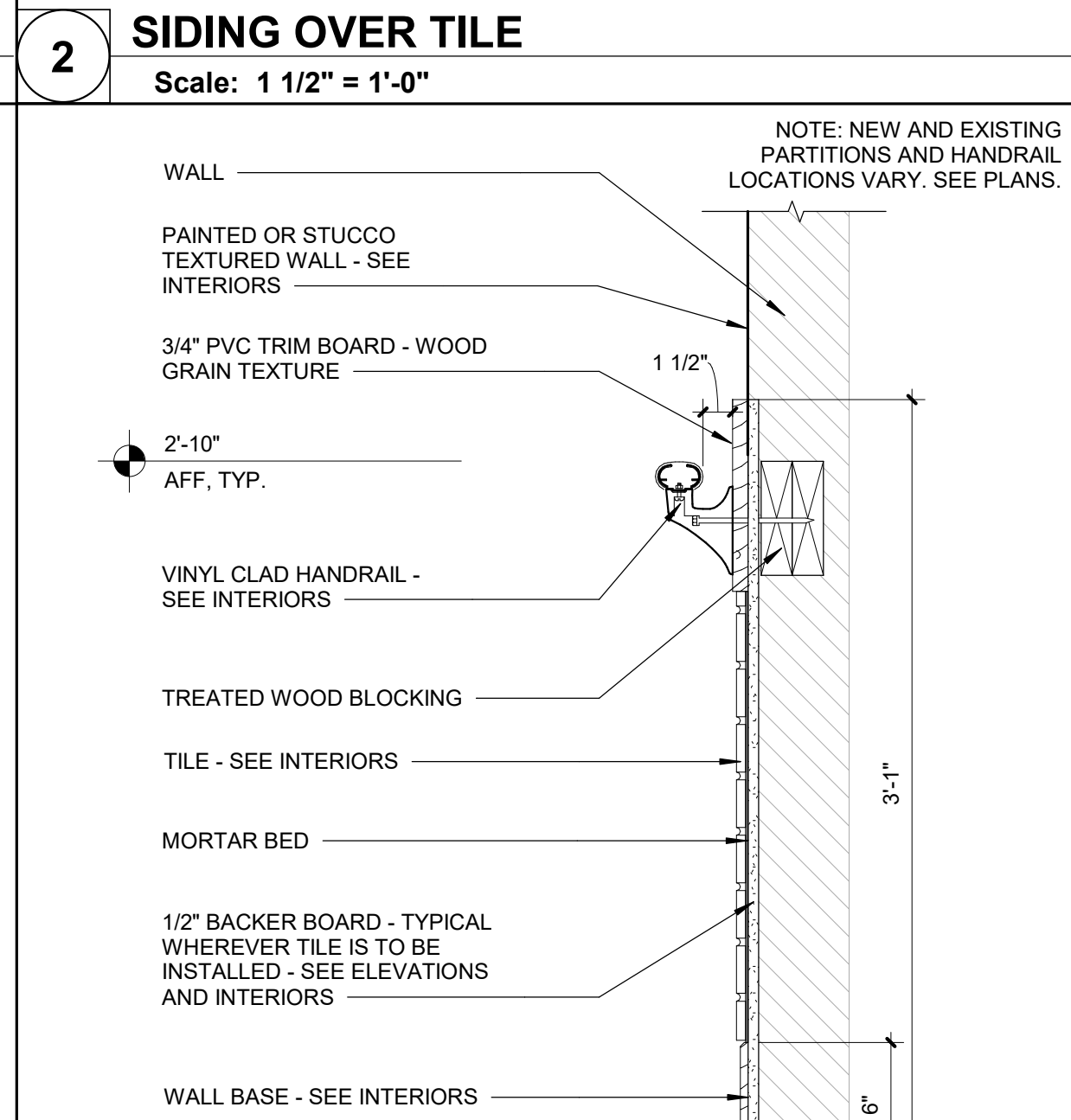
Scale: 1 1/2" = 1'-0"

NOTE: INSTALL PER FABRICATOR'S WRITTEN INSTRUCTIONS - PROVIDE BLOCKING WHERE REQUIRED



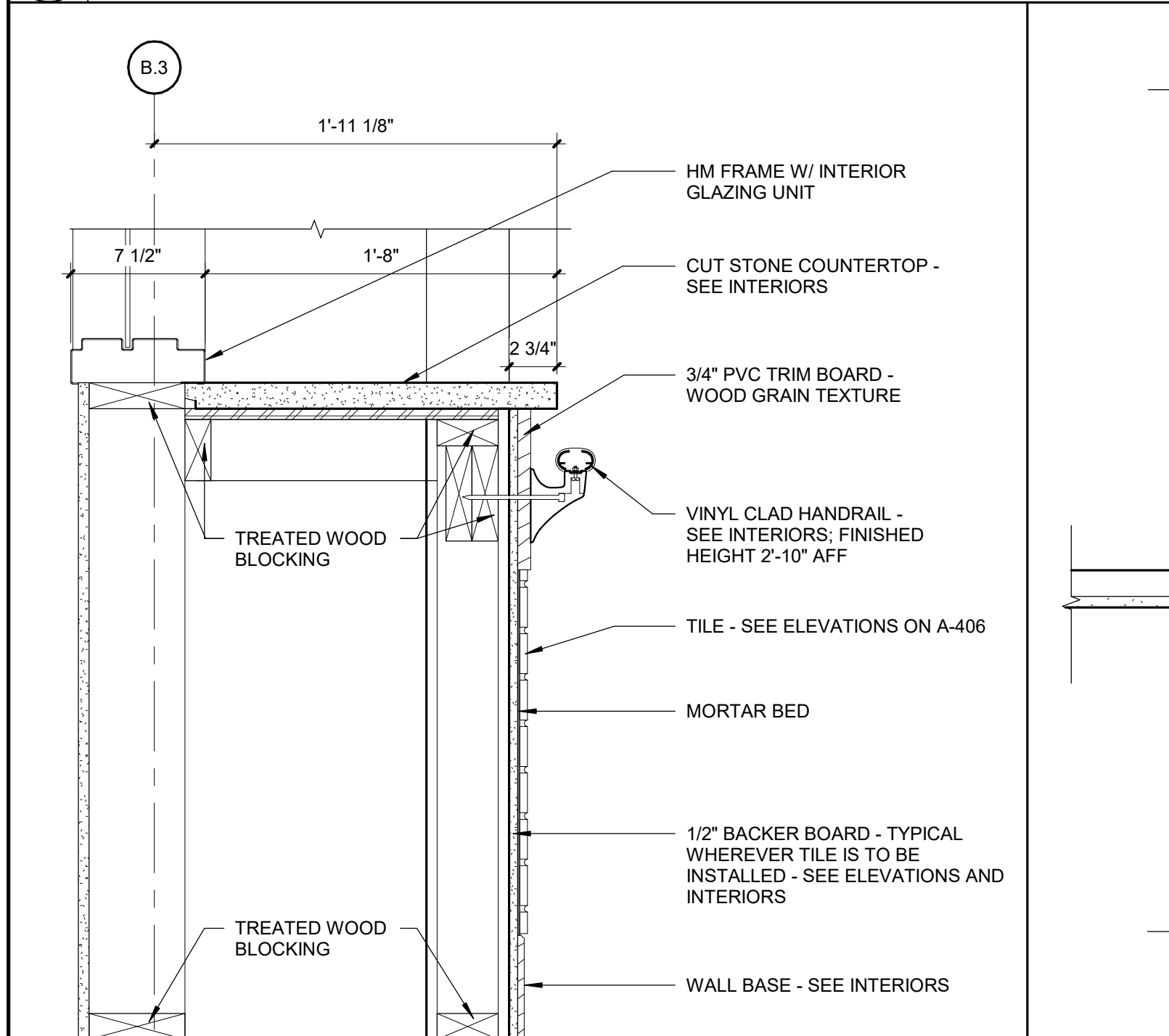
**5 PAINT OVER WALL PROTECTION**

Scale: 1 1/2" = 1'-0"



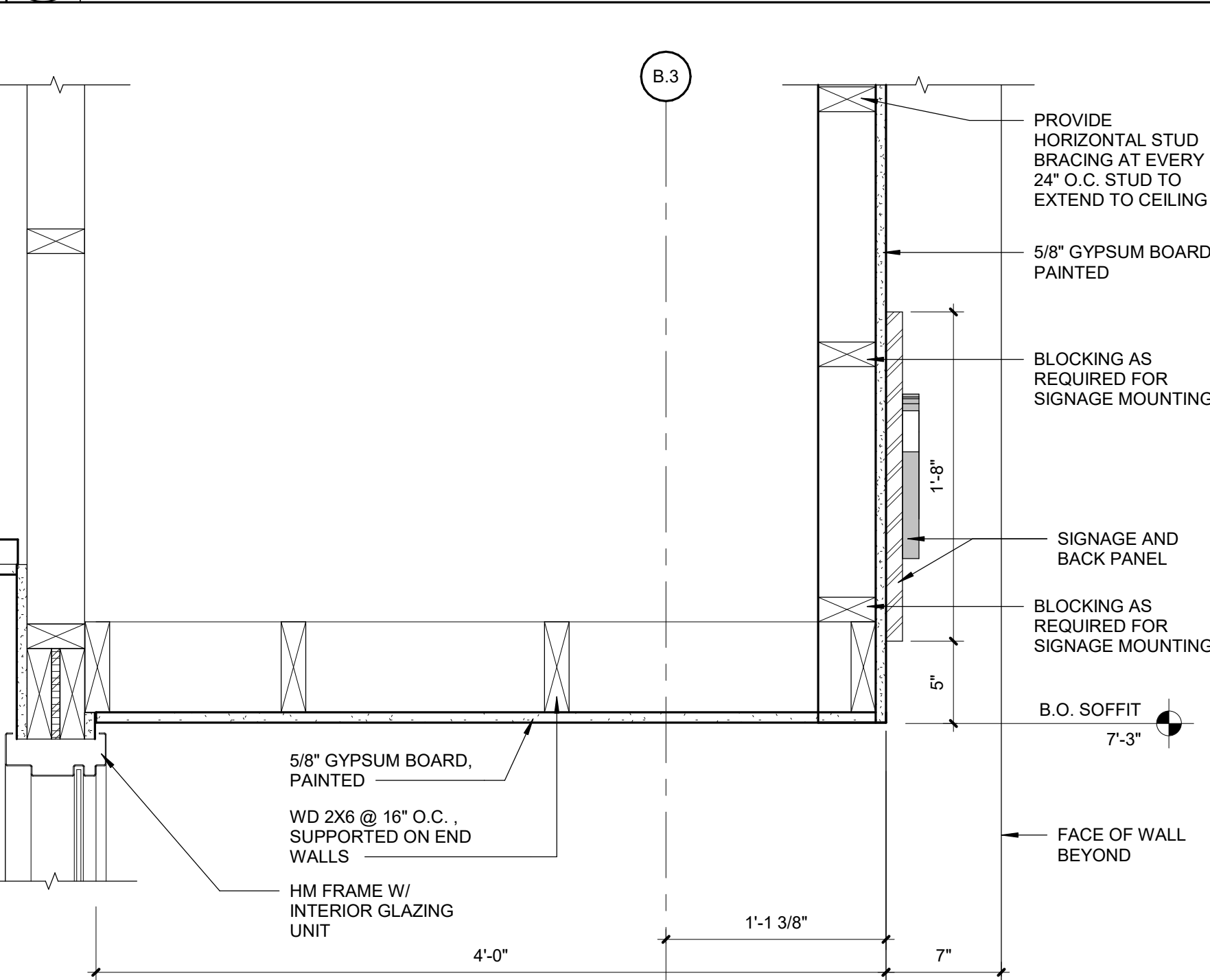
**1 PAINT/STUCCO OVER TILE**

Scale: 1 1/2" = 1'-0"



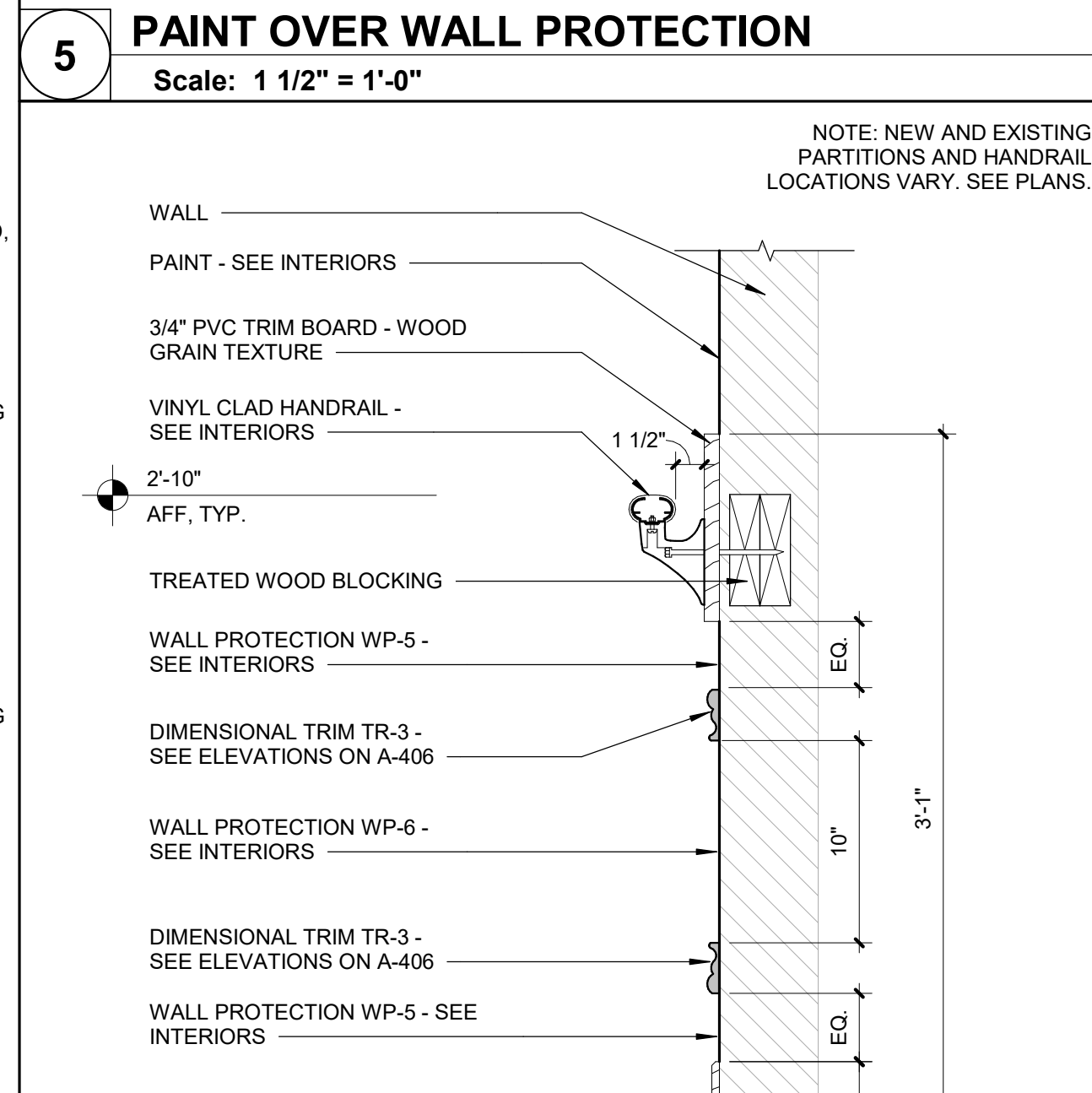
**11 BISTRO @ MAIN STREET WALL**

Scale: 1 1/2" = 1'-0"



**8 COUNTRY KITCHEN @ MAIN STREET**

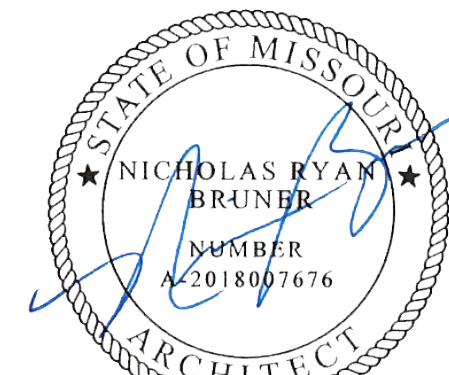
Scale: 1 1/2" = 1'-0"



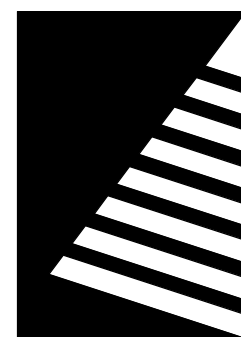
**4 PAINT OVER DIMENSIONAL TRIM**

Scale: 1 1/2" = 1'-0"

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: Author  
CHECKED BY: Approver  
DESIGNED BY: Designer

SHEET TITLE:  
**MAIN STREET  
DETAILS**

SHEET NUMBER:

**A-408**

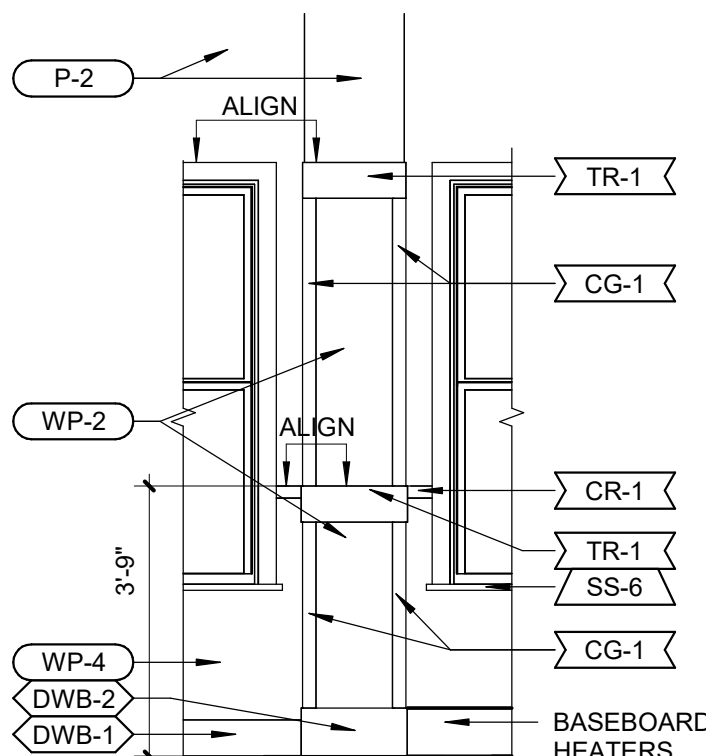
SHEET 72 OF 197  
ISSUE DATE: 08/15/2024



8/15/2024 10:25:55 AM

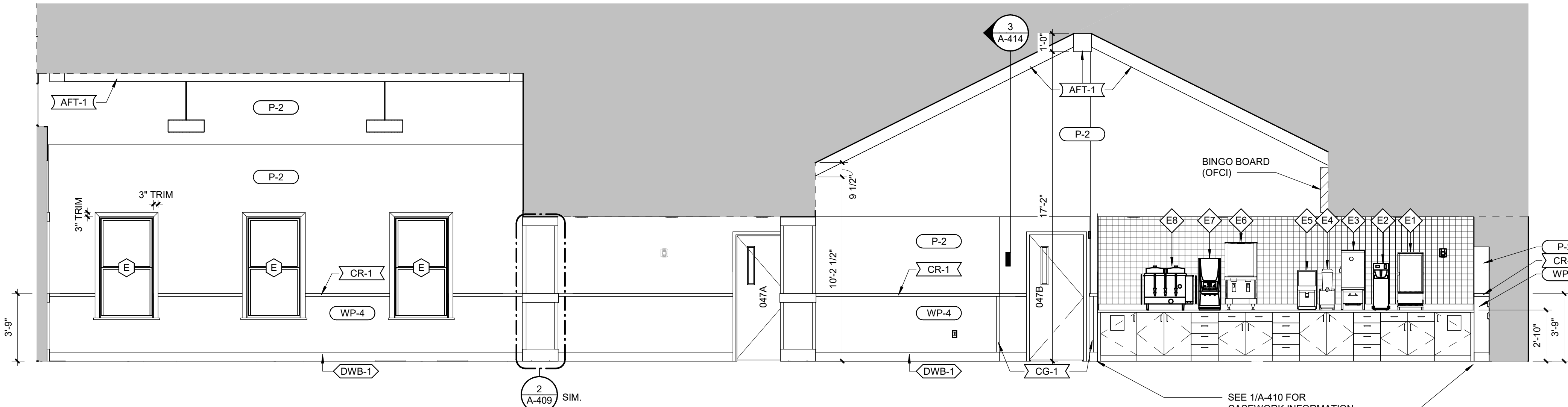
## 2 DINING ROOM COLUMN, TYP.

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



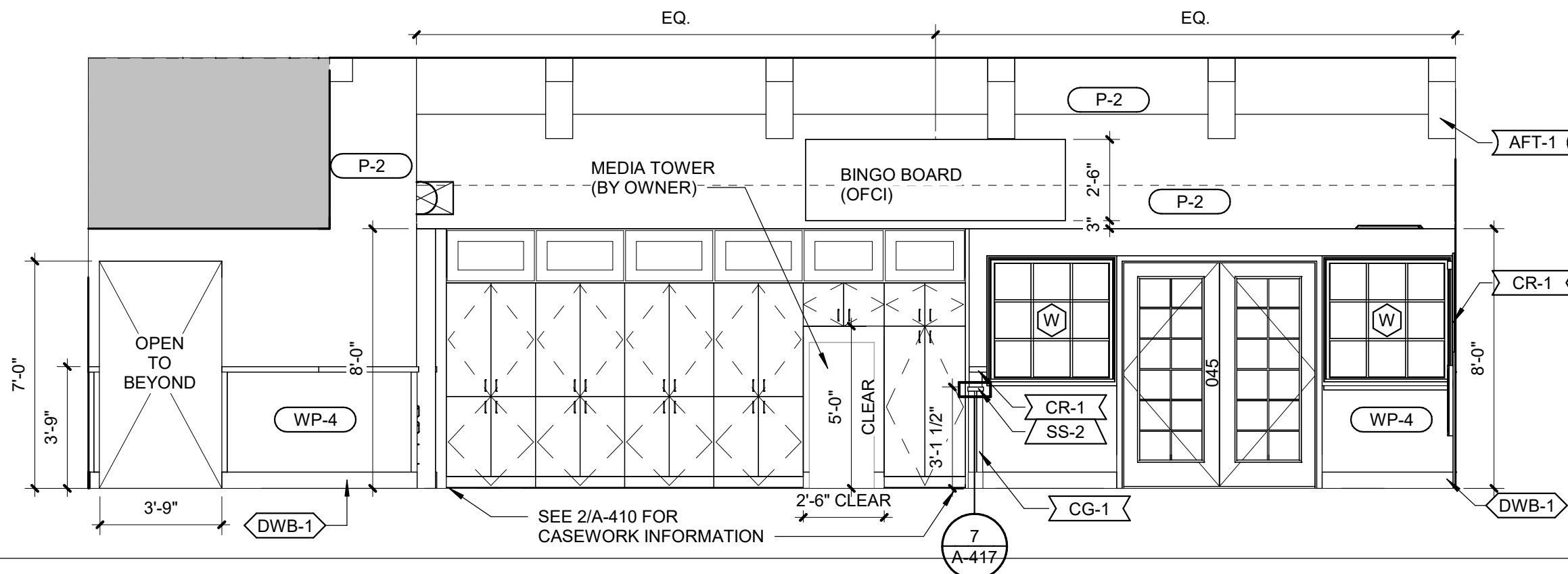
## 3 DINING ROOM ELEV. EAST

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



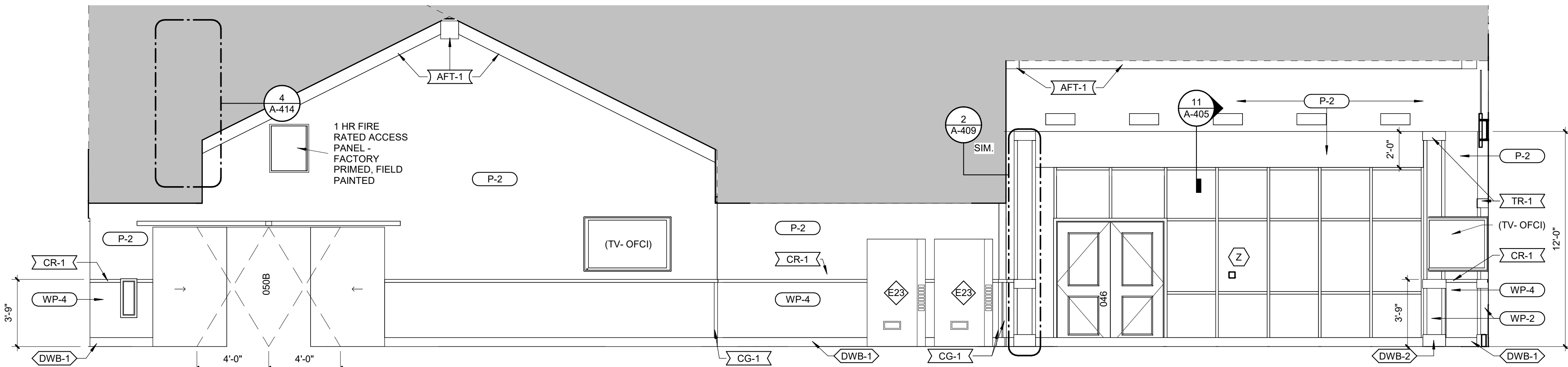
## 4 DINING ROOM ELEV. SOUTH

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



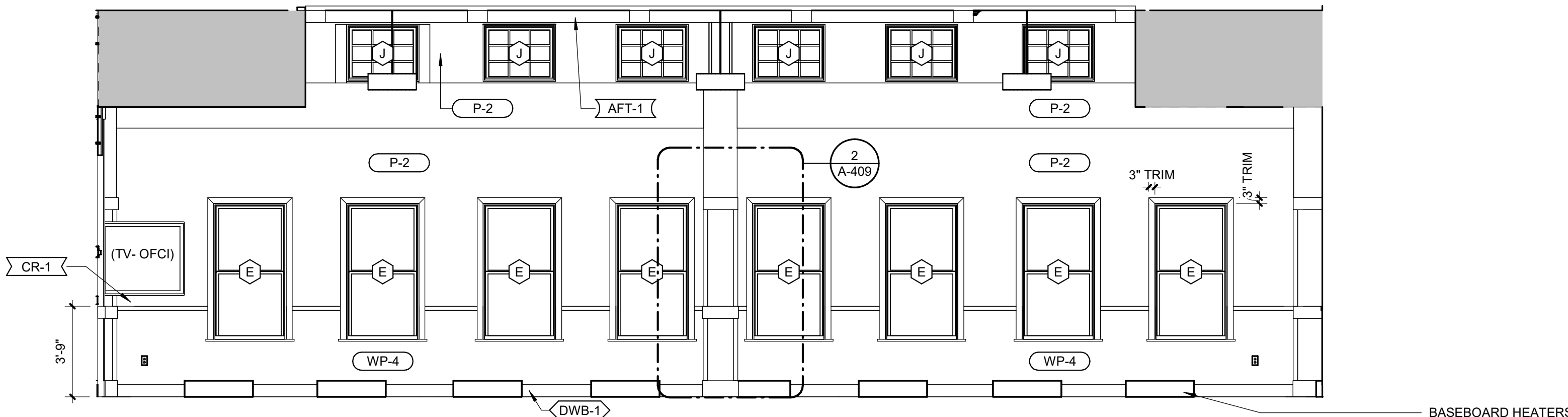
## 5 DINING ROOM ELEV. WEST

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



## 1 DINING ROOM ELEV. NORTH

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



## FINISH PLAN GENERAL NOTES

- BASIS-OF-DESIGN PRODUCT: WHERE SPECIFICATIONS OR DRAWINGS NAME A PRODUCT AND MANUFACTURER, PROVIDE THE SPECIFIED PRODUCT/MANUFACTURER OR SUBMIT AN ALTERNATE REQUEST TO BE REVIEWED BY ARCHITECT/DESIGNER. ALTERNATE PRODUCTS TO RESEMBLE BASIS OF DESIGN PRODUCT IN SIZE, PROFILE, DIMENSIONS, COLOR AND OTHER CHARACTERISTICS.
- ALL CONTRACTORS TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
- ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT.
- DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF WHEN IN CLOSED POSITION, UNLESS OTHERWISE NOTED OR SHOWN.
- REMARKS COLUMN ON ROOM AND PRODUCT FINISH SCHEDULE INDICATES GENERAL COMMENTS ONLY. SEE INTERIOR FINISH PLANS AND SPECIFICATIONS FOR LOCATIONS AND DETAILS.
- ALL GYPSUM CEILINGS SHALL BE P-1 UNLESS OTHERWISE NOTED OR SHOWN.
- ALL WALLS SHALL BE P-2, UNLESS OTHERWISE NOTED OR SHOWN.
- ALL METAL DOORS, DOOR FRAMES, AND WINDOW FRAMES INCLUDED IN SCOPE OF WORK AREAS SHALL BE P-9, UNLESS OTHERWISE NOTED OR SHOWN. IF ONE SIDE OF THE DOORS/FRAMES ARE NOT IN SCOPE OF WORK, PAINT FRAMES AS NOTED WITH SPLIT FINISH.
- CORRIDOR MAIN STREET 010: OUTSIDE CORNERS OF TILE INSTALLATIONS TO HAVE HEAVY DUTY EDGE PROTECTION CG-5. BASIS OF DESIGN SCHLUTER ECK-E, STAINLESS FINISH.
- AT CONDITIONS WHERE DIMENSIONAL CORNER GUARDS ARE SPECIFIED ABOVE AND BELOW DIMENSIONAL CHAIR RAIL, FINISH EXPOSED END OF CHAIR RAIL WITH DECORATIVE MITER JOINT.
- U.N.O. INSTALL CHAIR RAIL (CR-1) AND/OR HAND RAIL BACKER BOARD (HRB-1) AT FINISHED HEIGHT OF 3'-1" A.F.F.
- U.N.O. HAND RAILS (HR-1) TO BE INSTALLED AT FINISHED HEIGHT OF 2'-10" A.F.F.
- SEE SHEET A-603 FOR SOLID SURFACE WINDOW SILL DETAILS.
- SEE SHEET G-002 FOR STANDARD MOUNTING HEIGHTS FOR TYPICAL BUMPER GUARDS, CORNER GUARDS, HANDRAIL AND CHAIR RAIL, U.N.O.
- WHERE NEW SOLID SURFACE WALL PANELS ARE INDICATED FOR INSTALL IN RESIDENT TOILET ROOMS, MATCH FACILITY STANDARD MOUNTING HEIGHT OF EXISTING TOILET ROOMS.
- PVC TRIM BOARDS TO BE MITERED AT INSIDE AND OUTSIDE CORNERS. ALL EXPOSED SIDES TO BE SITE OR FACTORY FINISHED WITH NO RAW FIELD CUTS VISIBLE.

## INTERIOR FINISH KEYNOTES

- STREETSCAPE FINISHES. SEE INTERIOR ELEVATIONS FOR PRODUCT INFORMATION AND DETAILS.
- WALL PROTECTION TO BE FULL HEIGHT IN AREAS AS NOTED.
- SEE SHEET I-305 FOR INTERIOR SIGNAGE DETAILS.
- TRANSITION OF FLOOR MATERIALS TO OCCUR UNDER EXISTING SERVING STATION. CONFIRM FINAL LOCATION, SIZE, ORIENTATION AND LENGTH OF SERVING STATION PRIOR TO INSTALLATION OF FLOORING.
- TILE T-10 TO MATCH EXISTING ADJACENT TILE INSTALLATION IN HEIGHT (APPROX. 56" A.F.F.). SIZE, COLOR AND SHEEN. ALIGN GROUT JOINTS WITH ADJACENT INSTALLATION. PROVIDE BULLNOSE TOP EDGE OR METAL TRIM TO MATCH EXISTING INSTALLATION. SITE VERIFY PRIOR TO ORDER AND INSTALLATION OF MATERIALS.
- GYP. CEILING ABOVE LMB-1 TO BE PAINTED BLACK, P-8.
- VERIFY HEIGHT OF EXISTING FACILITY STANDARD TOILET ROOM WALL PANELS PRIOR TO INSTALLATION. MATCH EXISTING HEIGHT. PANELS TO BE INSTALLED ON ALL WALLS OF TOILET ROOM.
- FINISHED HEIGHT OF CHAIR RAIL CR-1 IS 3'-9" A.F.F.
- PATTERN/GRAIN DIRECTION TO ALIGN WITH DECORATIVE TRUSSES ABOVE.
- HRB-1 AT BARBER SHOP STOREFRONT LOCATION ONLY TO BE PAINTED P-8.
- DESIGN INTENT IN RESIDENT COMMONS 100, 200 AND 300: NEW FLOORING SHALL BE ROTATED 90-DEGREES FROM GRAIN/PLANK DIRECTION OF EXISTING LVT IN NURSE STATION. VERIFY IN FIELD PRIOR TO INSTALLATION.
- PROVIDE SUB-LEVELER OR BUILD UP SUBSTRATE BENEATH LVT TO RESULT IN FLUSH TRANSITION BETWEEN RUBBER AND LVT.
- DOOR AND WINDOW FRAMES TO BE SPLIT FINISH.

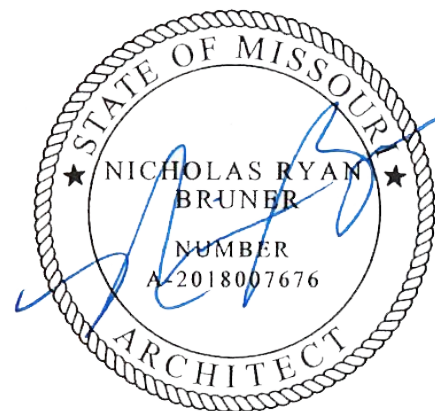
## EQUIPMENT SCHEDULE

MARK	DESCRIPTION	COUNT	NEW / EXIST.	RELOCATED FROM	REMARKS
E1	REFRIGERATED CASE	1	EXIST	SERVING LINE	1
E2	COFFEE MAKER	1	EXIST	SERVING LINE	1
E3	COLD MILK DISPENSER	1	NEW		2
E4	COLD BEVERAGE DISPENSER	1	EXIST	SERVING LINE	1
E5	COLD BEVERAGE DISPENSER	1	EXIST	SERVING LINE	1
E6	ICE AND WATER DISPENSER	1	EXIST	SERVING LINE	1
E7	ICED CAPPUCCINO DISPENSER	1	EXIST	SERVING LINE	1
E8	COFFEE URN	1	EXIST	SERVING LINE	1
E18	GLASS DOOR FREEZER	1	NEW		2
E22	COTTON CANDY MACHINE	1	NEW		4
E23	SODA VENDING MACHINE	2	EXIST	MAIN DINING	1

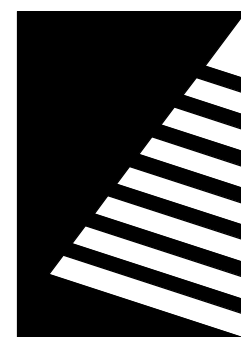
### REMARKS:

- SALVAGE EXISTING AND RELOCATE
- OFCI
- CFCI
- OFOI

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: JDP/MAB  
CHECKED BY: NRB  
DESIGNED BY: JDP

SHEET TITLE:

**DINING ROOM  
ELEVATIONS**

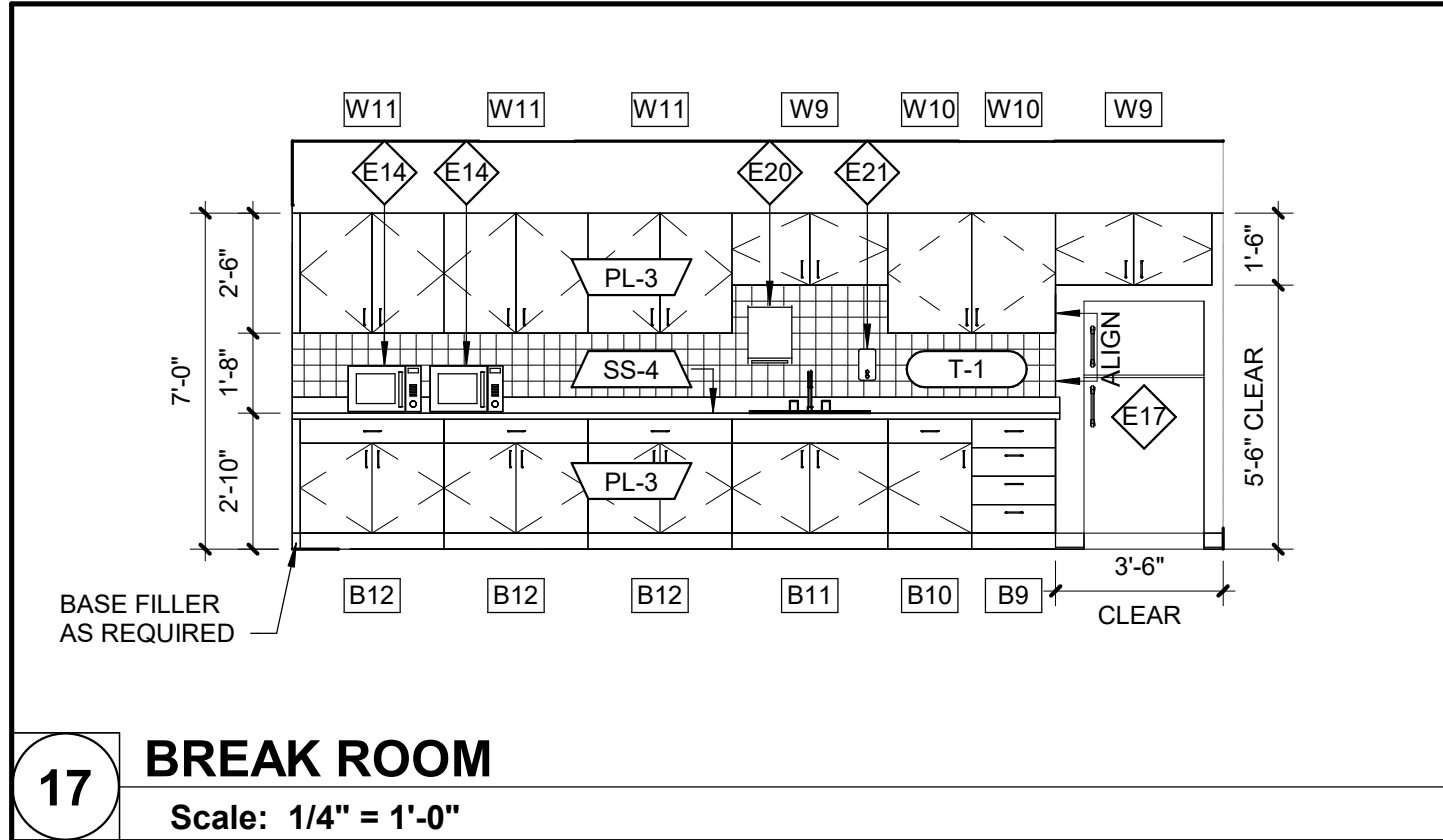
SHEET NUMBER:

**A-409**

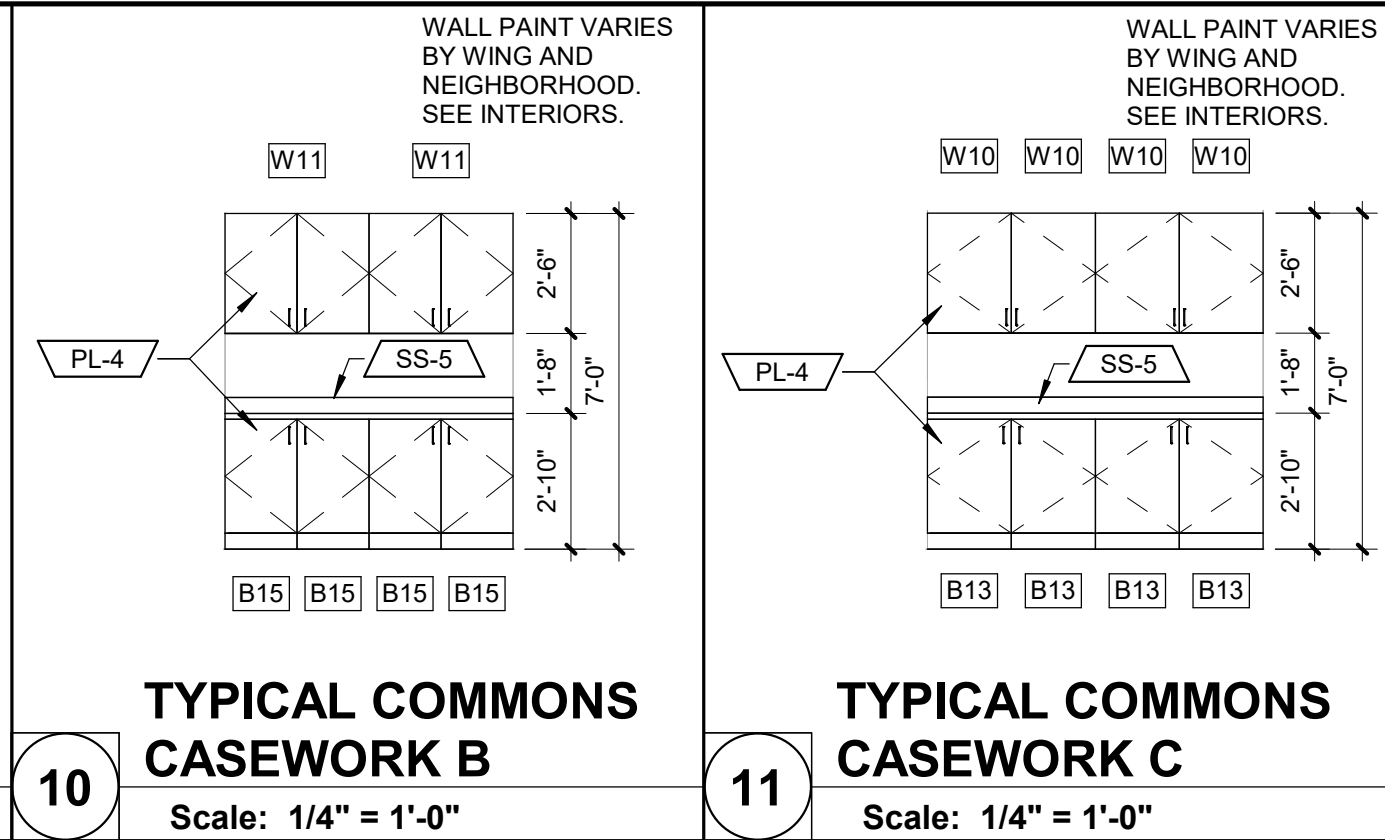
SHEET 73 OF 197  
ISSUE DATE: 08/15/2024



8/15/2024 10:24:13 AM

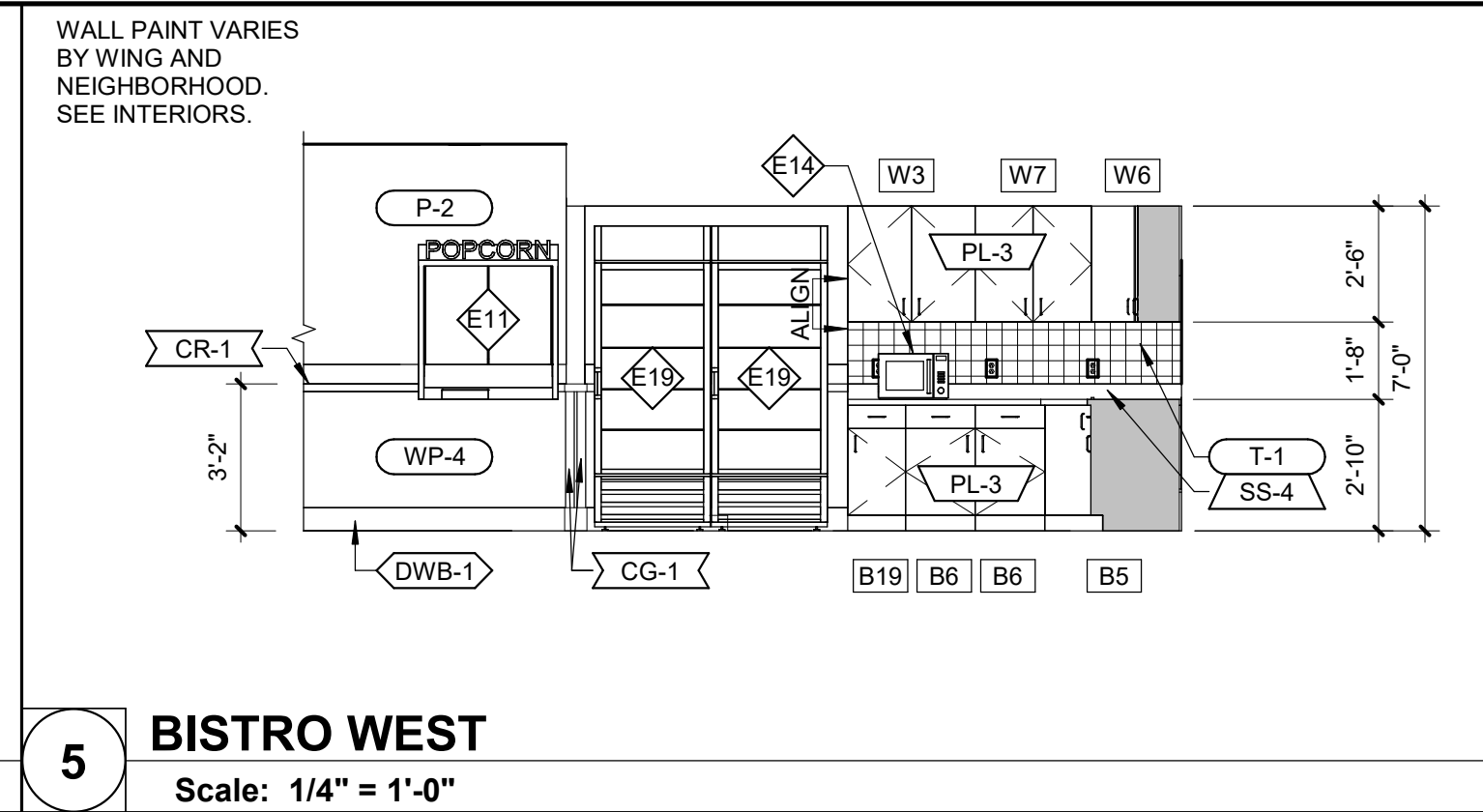


**17 BREAK ROOM**  
Scale: 1/4" = 1'-0"

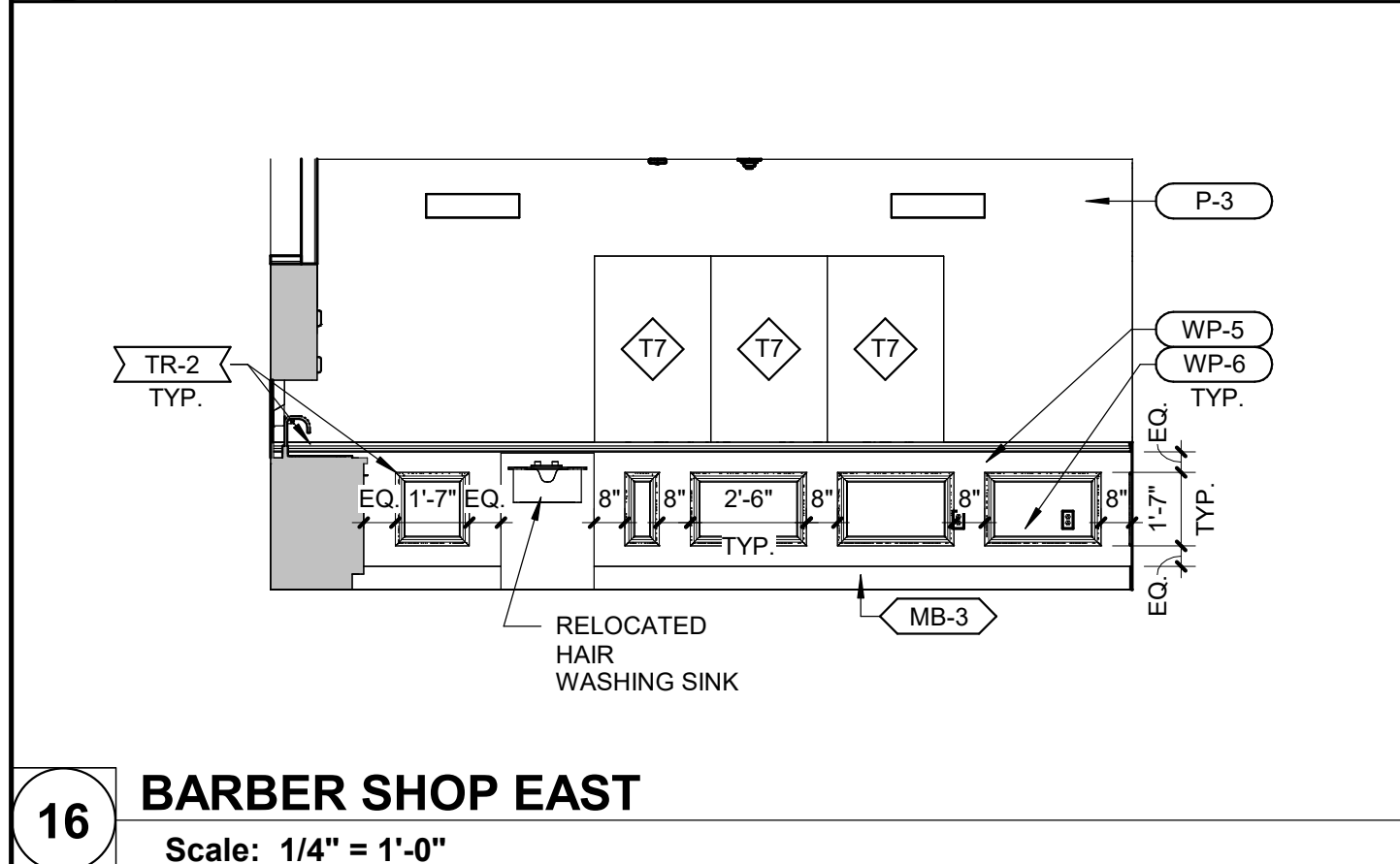


**10 TYPICAL COMMONS CASEWORK B**  
Scale: 1/4" = 1'-0"

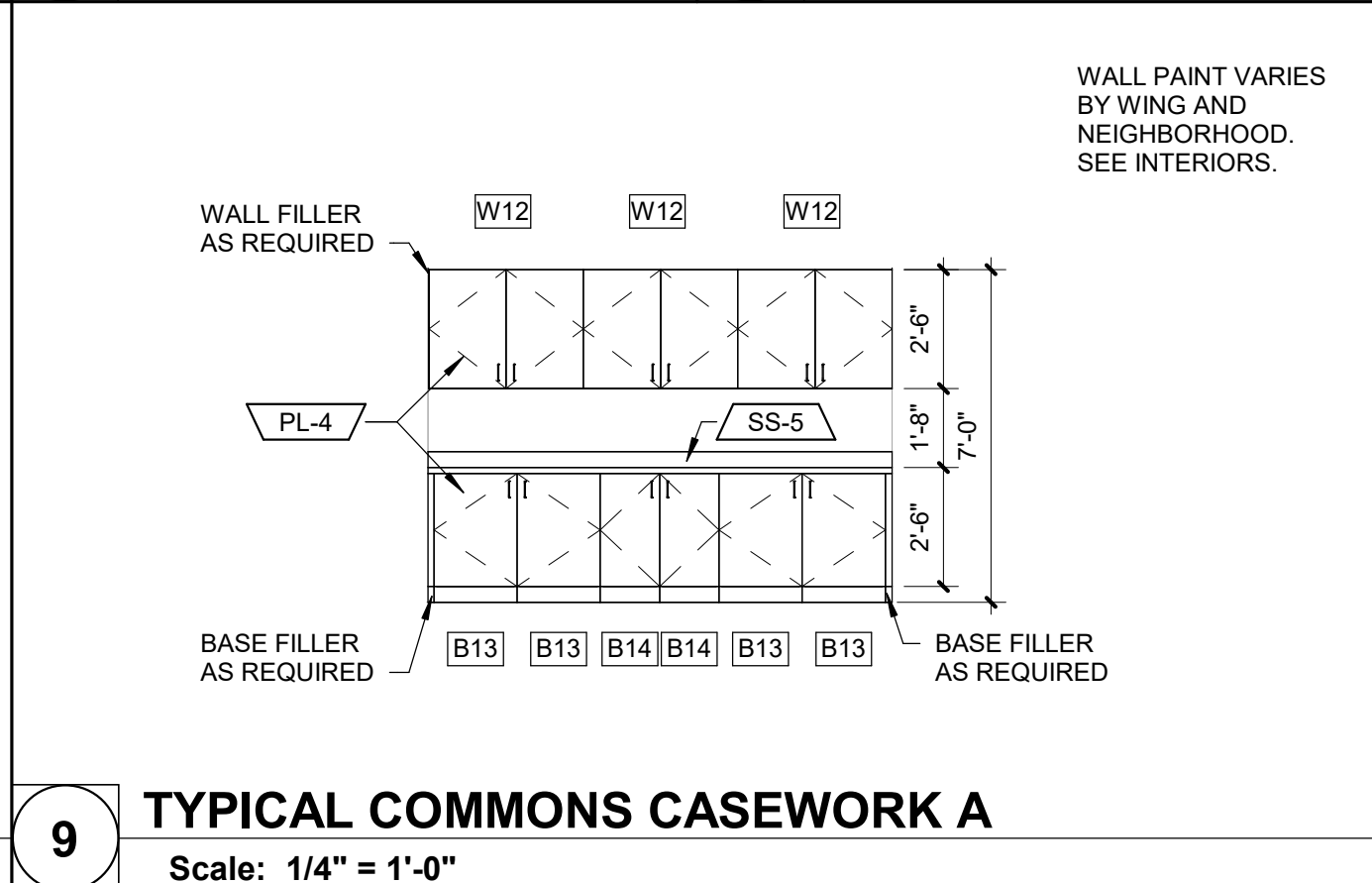
**11 TYPICAL COMMONS CASEWORK C**  
Scale: 1/4" = 1'-0"



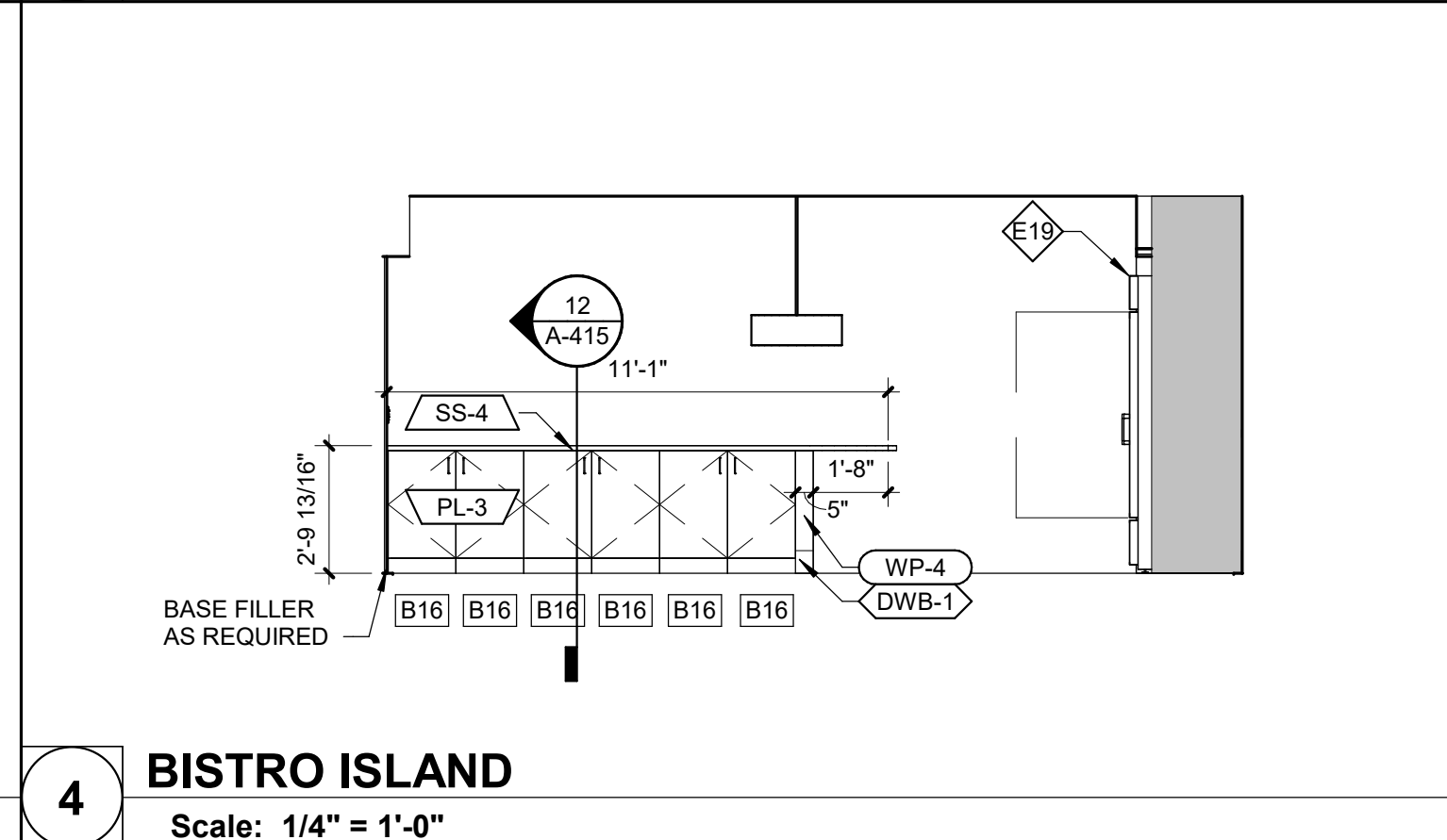
**5 BISTRO WEST**  
Scale: 1/4" = 1'-0"



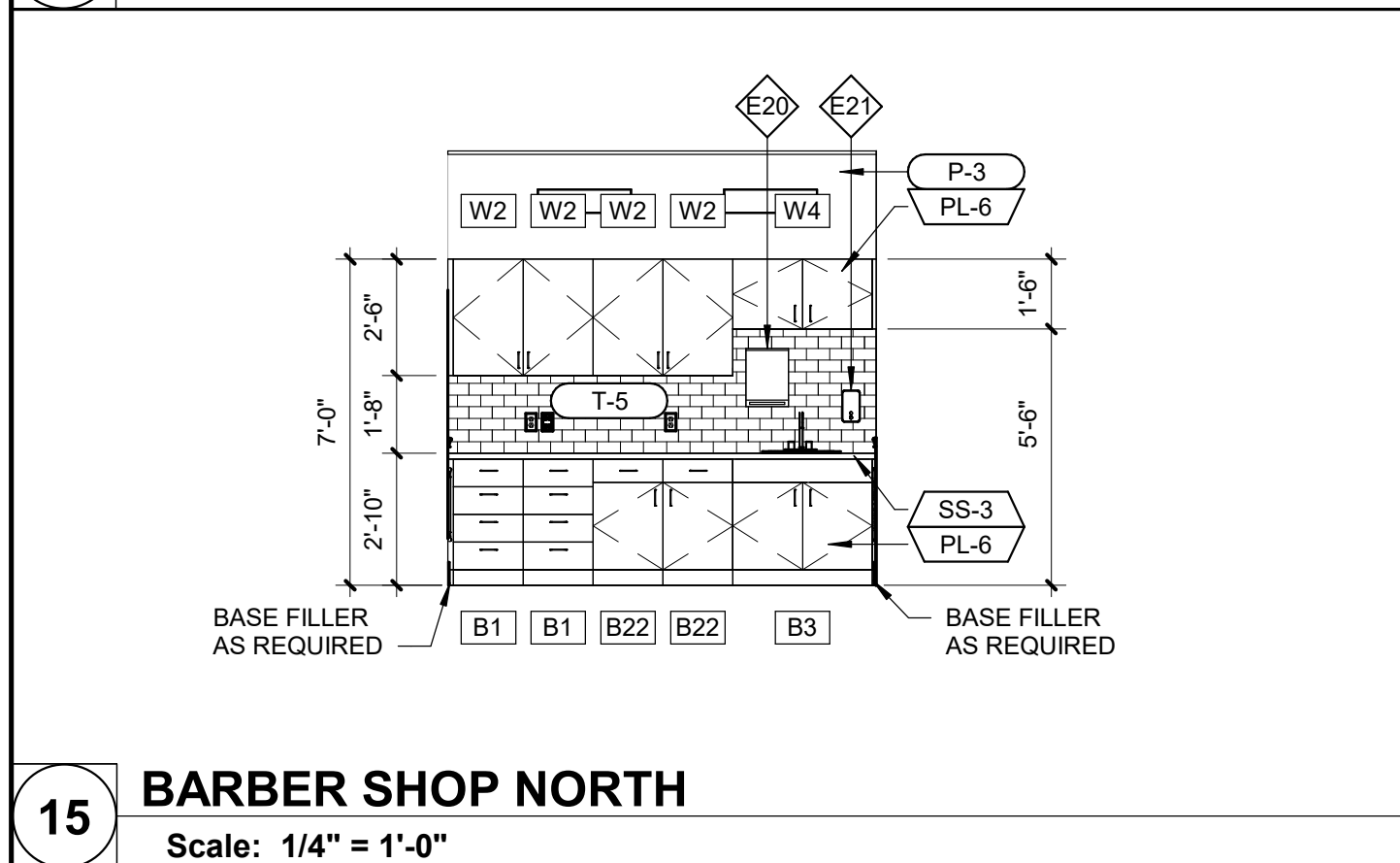
**16 BARBER SHOP EAST**  
Scale: 1/4" = 1'-0"



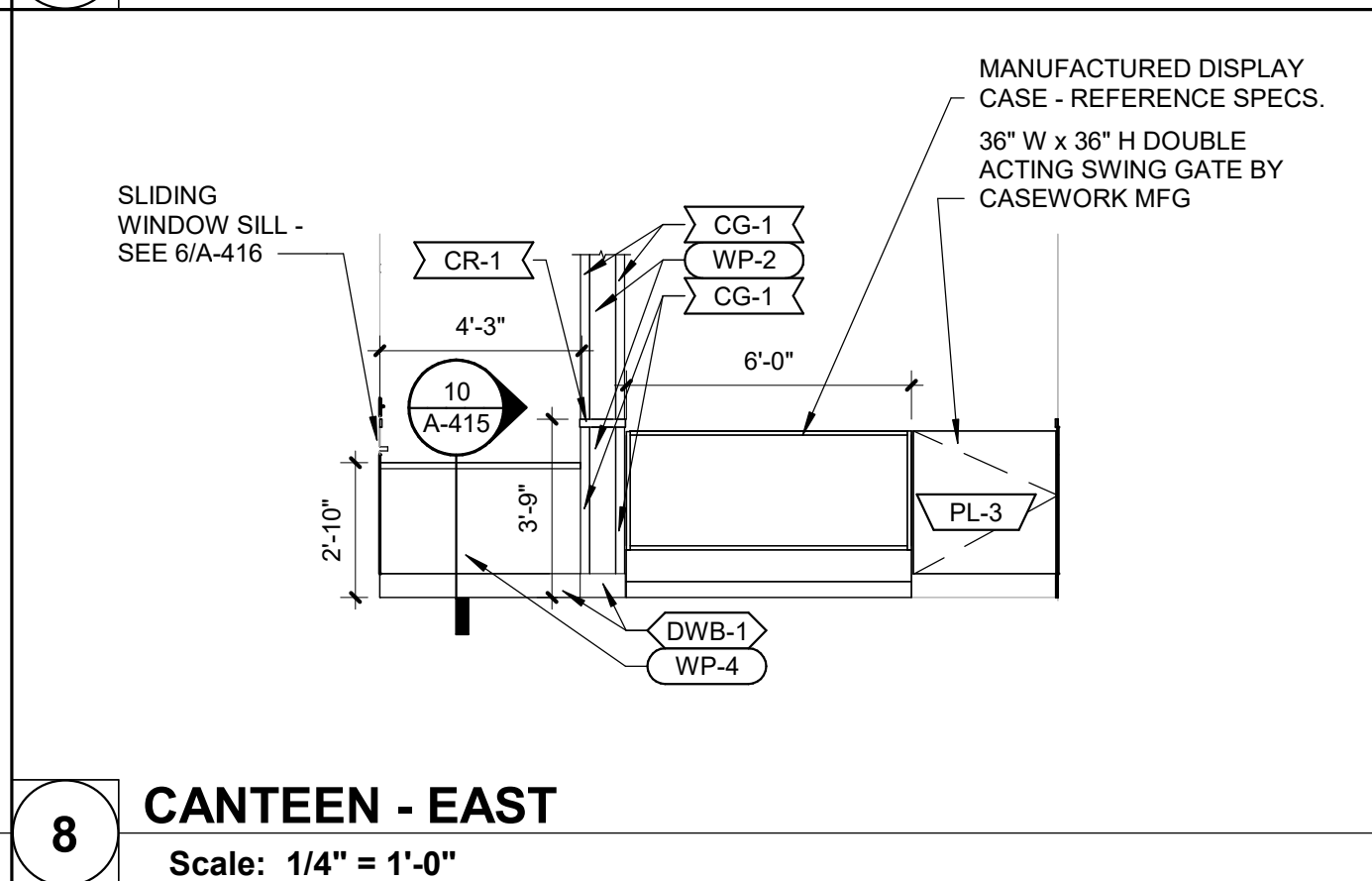
**9 TYPICAL COMMONS CASEWORK A**  
Scale: 1/4" = 1'-0"



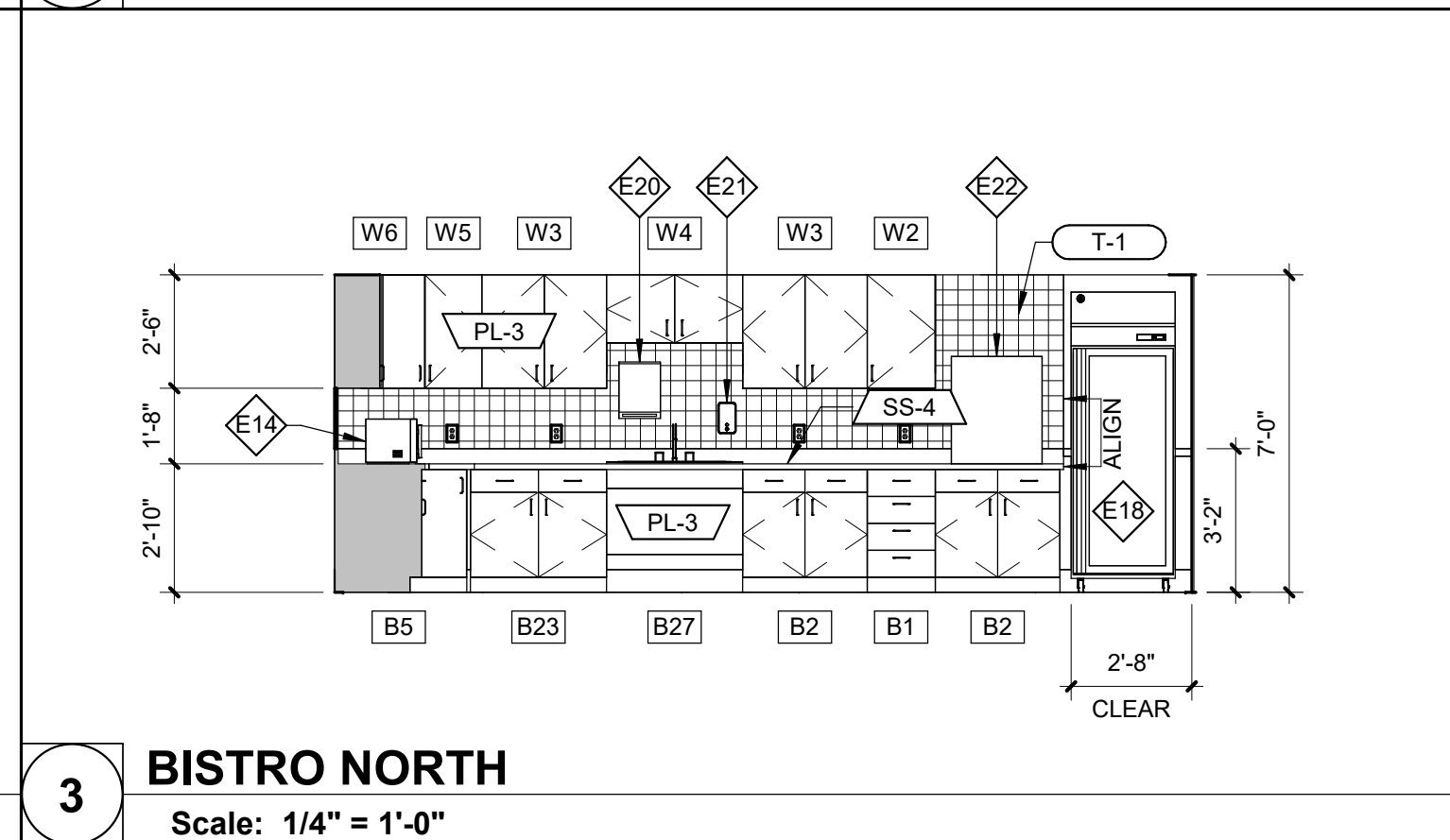
**4 BISTRO ISLAND**  
Scale: 1/4" = 1'-0"



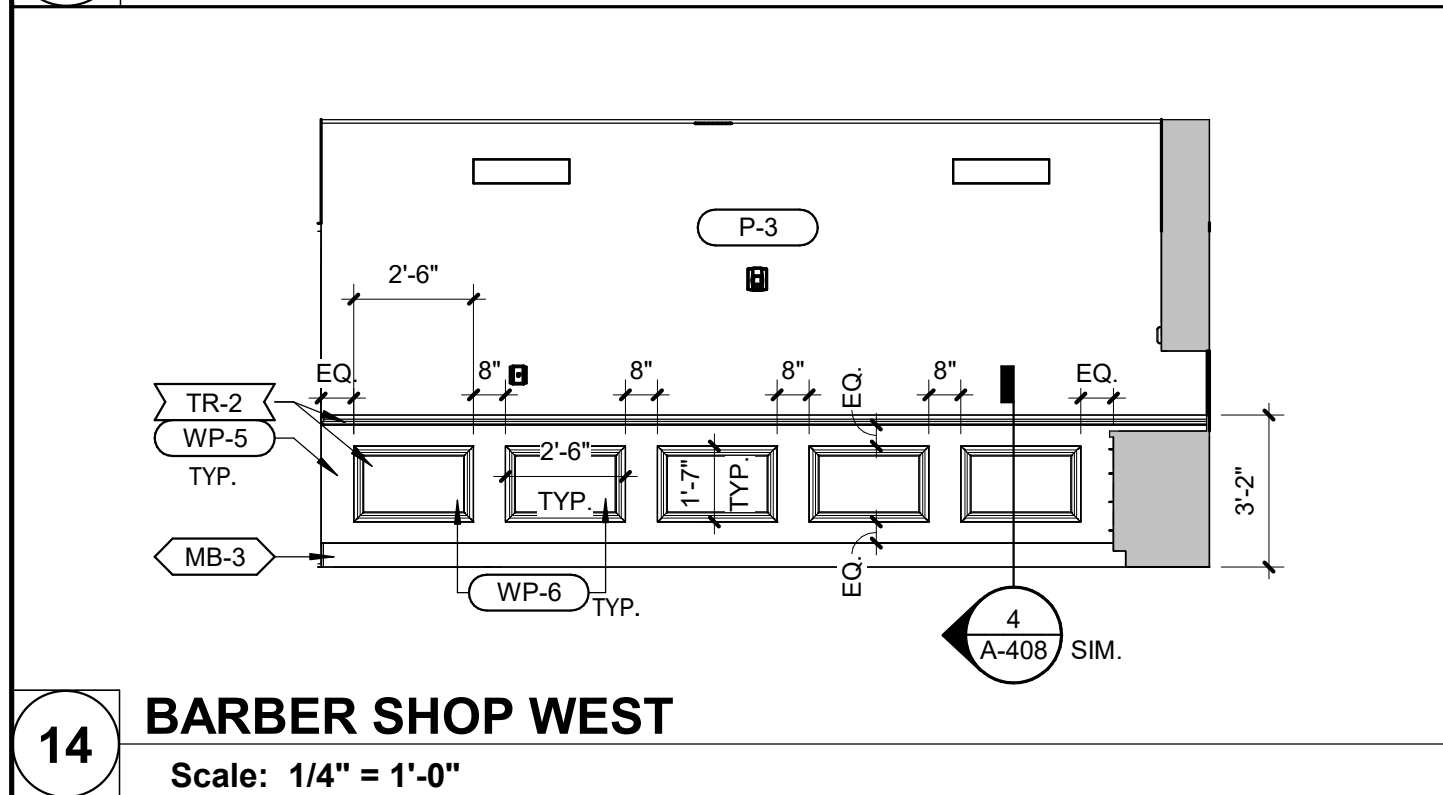
**15 BARBER SHOP NORTH**  
Scale: 1/4" = 1'-0"



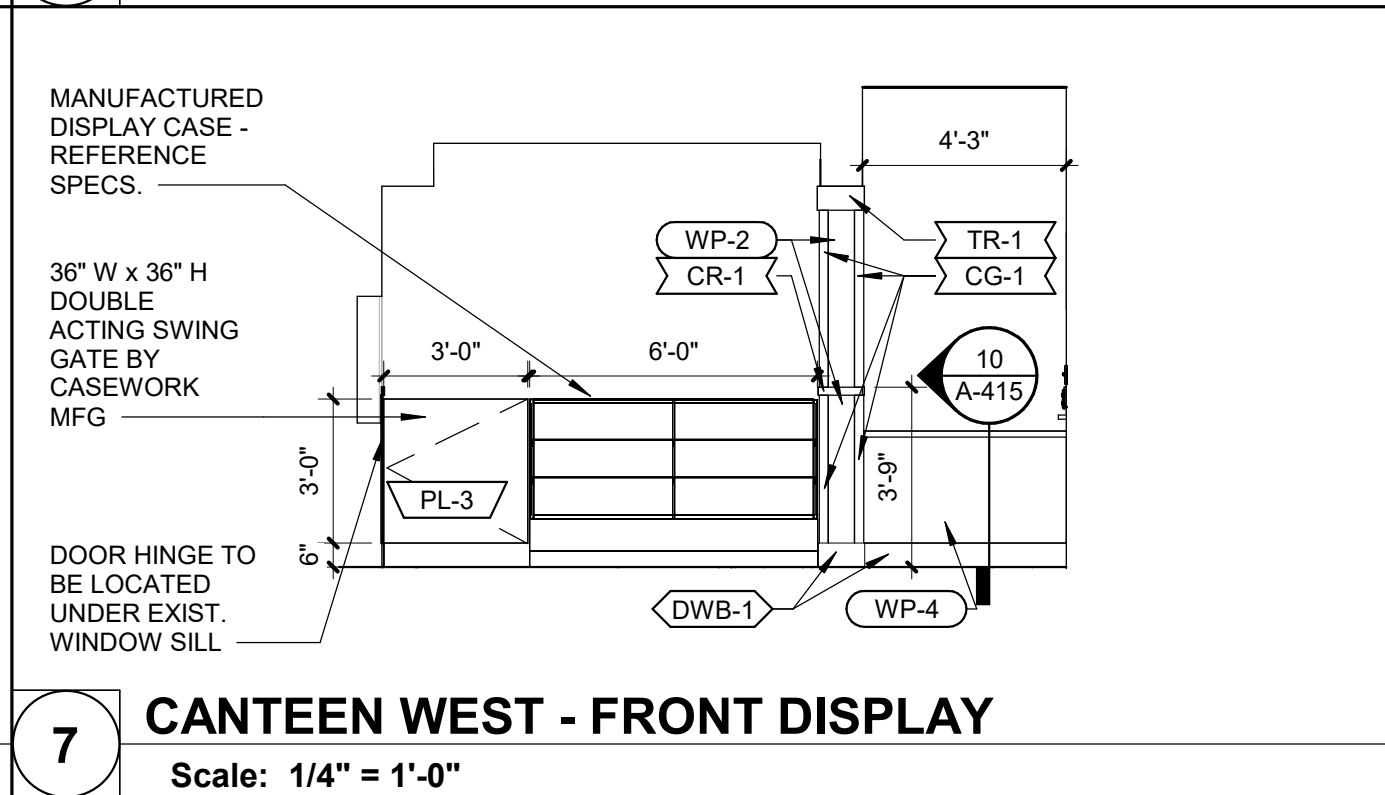
**8 CANTEEN - EAST**  
Scale: 1/4" = 1'-0"



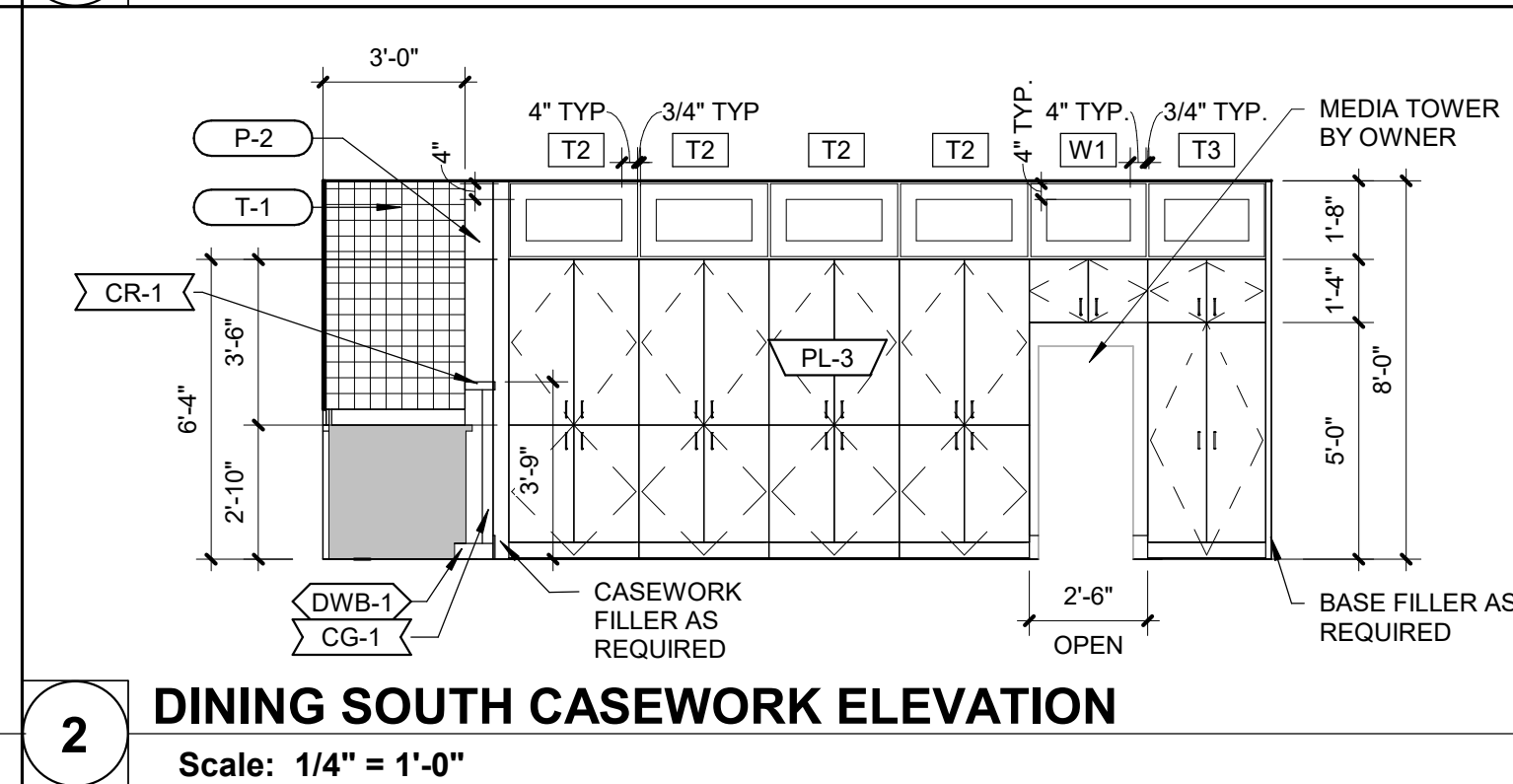
**3 BISTRO NORTH**  
Scale: 1/4" = 1'-0"



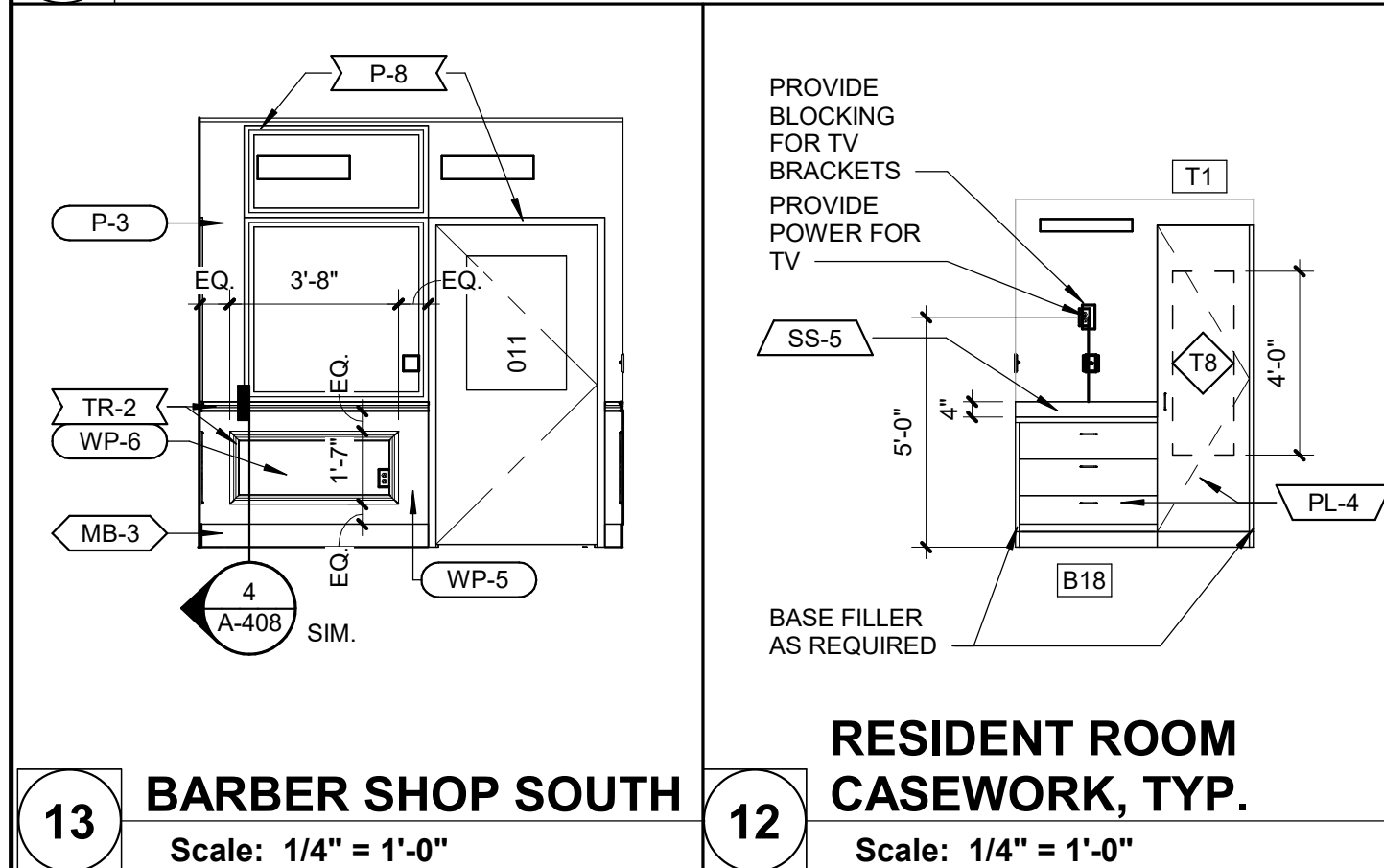
**14 BARBER SHOP WEST**  
Scale: 1/4" = 1'-0"



**7 CANTEEN WEST - FRONT DISPLAY**  
Scale: 1/4" = 1'-0"

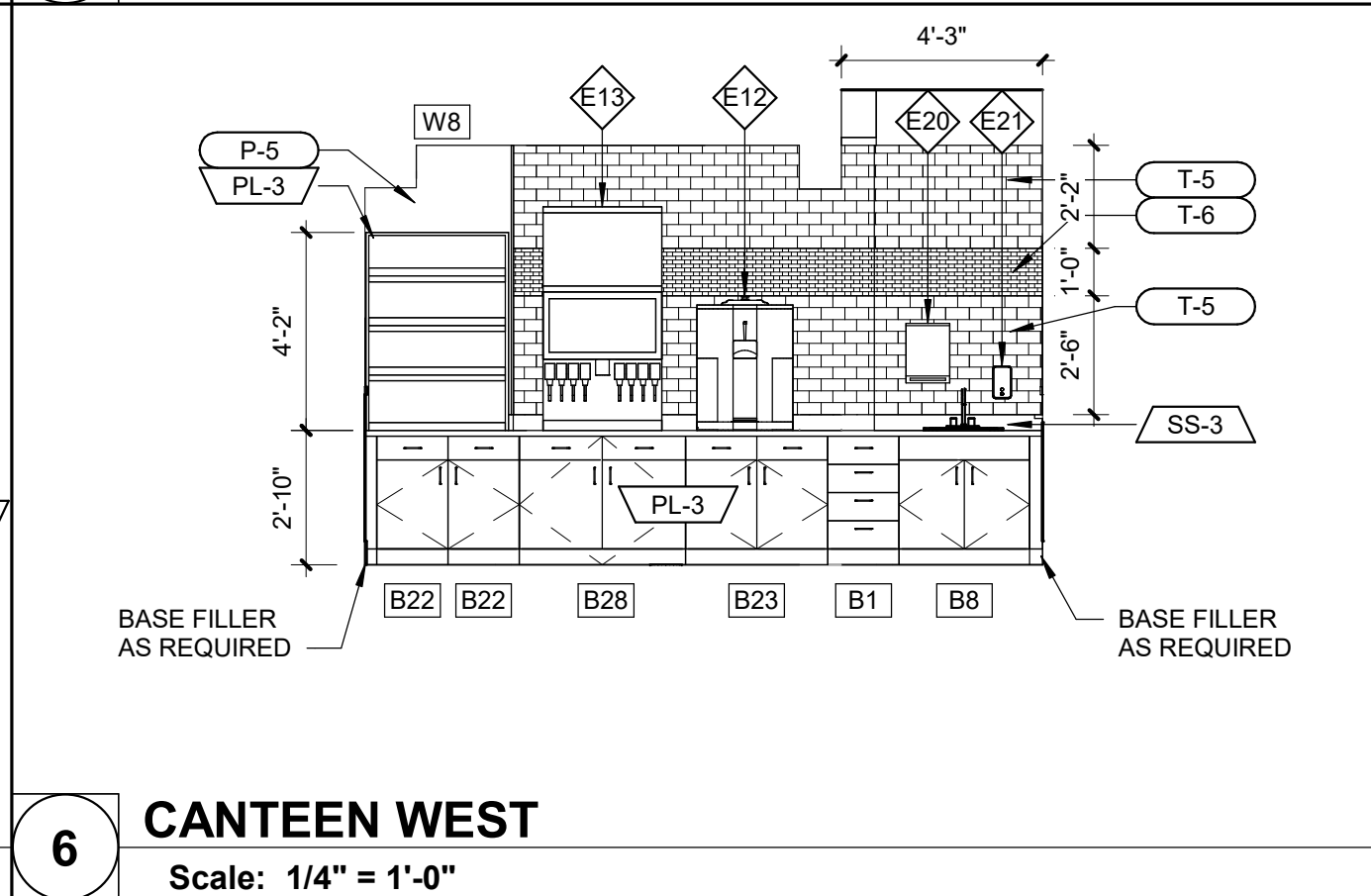


**2 DINING SOUTH CASEWORK ELEVATION**  
Scale: 1/4" = 1'-0"

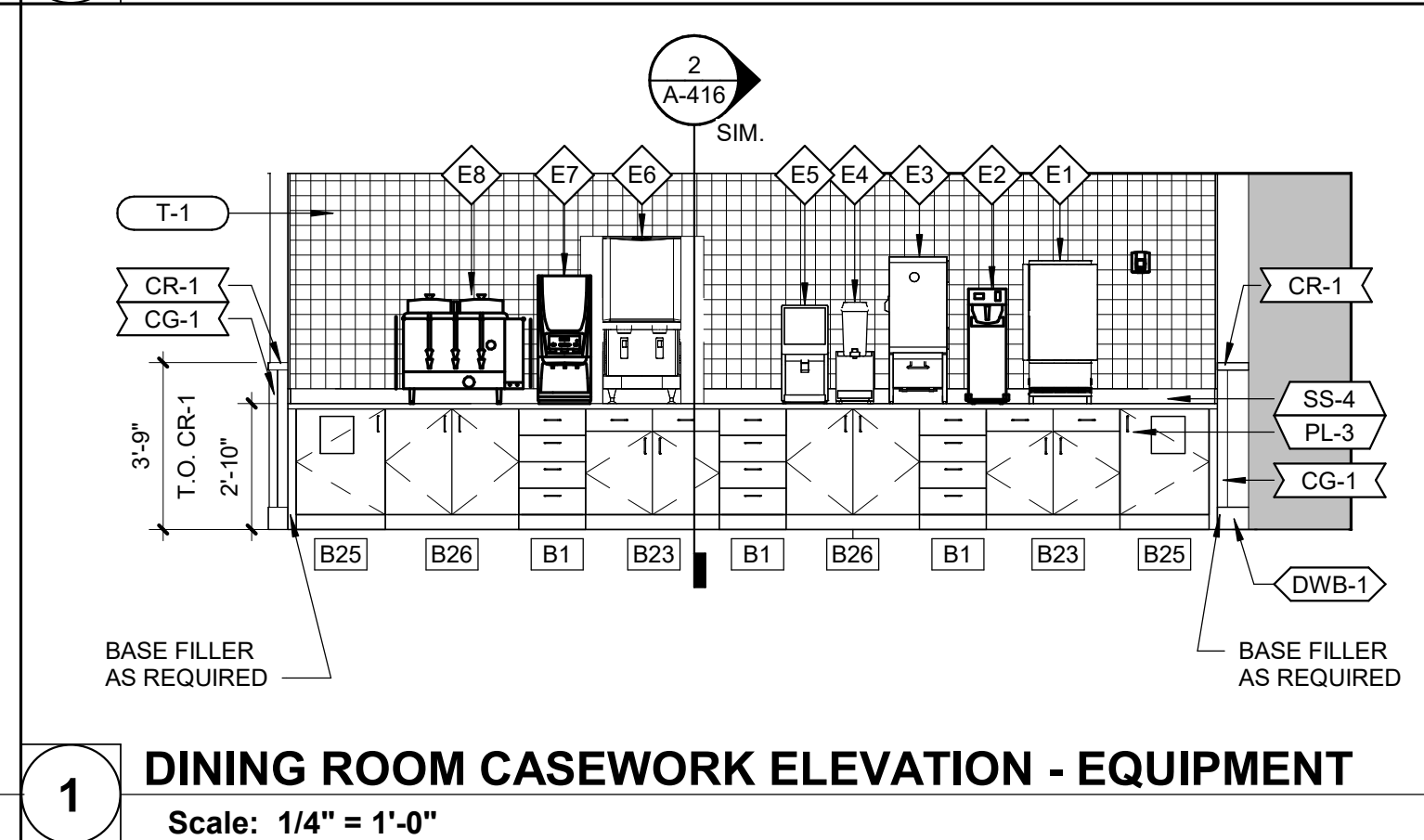


**13 BARBER SHOP SOUTH**  
Scale: 1/4" = 1'-0"

**12 RESIDENT ROOM CASEWORK, TYP.**  
Scale: 1/4" = 1'-0"



**6 CANTEEN WEST**  
Scale: 1/4" = 1'-0"



**1 DINING ROOM CASEWORK ELEVATION - EQUIPMENT**  
Scale: 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES						
A. SEE G-002 FOR STANDARD MOUNTING HEIGHTS.						
B. SEE SHEET A-801 FOR EQUIPMENT PLAN AND SCHEDULE.						
C. SEE INTERIORS FOR FINISHES AND RELATED KEYNOTES.						

CASEWORK SCHEDULE						
NO.	WIDTH	HEIGHT	DEPTH	COUNT	DETAIL NO.	DESCRIPTION
BASE CABINETS						
B1	1'-6"	2'-8 1/2"	2'-0"	7	2/A-415	FOUR EQUAL DRAWERS
B2	2'-9"	2'-8 1/2"	2'-0"	2	1/A-415	TWO 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B3	3'-0"	2'-8 1/2"	2'-0"	1	7/A-415	SINK CABINET, TWO HINGED DOORS, 6" FALSE FRONT ABOVE DOORS
B5	2'-0"	2'-8 1/2"	2'-0"	1	5/A-415	CORNER CABINET, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B6	1'-6"	2'-8 1/2"	2'-0"	2	1/A-415	ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B7	2'-9"	2'-8 1/2"	2'-0"	5	1/A-415	ONE LARGE 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B8	2'-9"	2'-8 1/2"	2'-0"	1	7/A-415	SINK CABINET, TWO HINGED DOORS, 6" FALSE FRONT ABOVE DOORS
B9	1'-9"	2'-8 1/2"	2'-0"	1	2/A-415	FOUR EQUAL DRAWERS
B10	1'-9"	2'-8 1/2"	2'-0"	1	1/A-415	ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B11	3'-3"	2'-8 1/2"	2'-0"	1	7/A-415	SINK CABINET, TWO HINGED DOORS, 6" FALSE FRONT ABOVE DOORS
B12	3'-0"	2'-8 1/2"	2'-0"	3	1/A-415	ONE LARGE 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B13	1'-9"	2'-8 1/2"	2'-0"	36	5/A-415	ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B14	1'-3"	2'-8 1/2"	2'-0"	6	5/A-415	ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B15	1'-6"	2'-8 1/2"	2'-0"	36	5/A-415	ONE HINGED DOOR, ONE ADJUSTABLE SHELF WITH COMBINATION CAM LOCK
B16	1'-6"	2'-8 1/2"	2'-0"	6	5/A-415	ONE HINGED DOOR, ONE ADJUSTABLE SHELF WITH KEYED CAM LOCK
B17	1'-6"	2'-4 1/2"	2'-0"	1	8/A-415	TWO EQUAL BOX DRAWERS, ONE FILE DRAWER
B18	3'-0"	2'-8 1/2"	2'-0"	150	4/A-415	THREE EQUAL DRAWERS
B19	1'-3"	2'-8 1/2"	2'-0"	1	1/A-415	ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B20	1'-6"	2'-4 1/2"	2'-0"	1	4/A-417	TWO FILE DRAWERS
B22	1'-6"	2'-8 1/2"	2'-0"	4	1/A-415	ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF WITH KEYED CAM LOCK
B23	3'-0"	2'-8 1/2"	2'-0"	4	1/A-415	TWO 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B24	2'-9"	2'-8 1/2"	2'-0"	5	1/A-415	ONE LARGE 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF WITH FINISHED END AND BACK PANELS
B25	2'-0"	2'-8 1/2"	2'-0"	2	4/A-416	ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B26	3'-0"	2'-8 1/2"	2'-0"	2	5/A-415	TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B27	3'-0"	2'-10 1/2"	2'-0"	1	6/A-416	ADA ROLL UNDER SINK APRON, SEE DETAIL
B28	3'-6"	2'-8 1/2"	2'-0"	1	2/A-416	TWO 6" FALSE DRAWERS, TWO HINGED DOORS WITH INTEGRAL TOE KICK - OPEN TO BACK
DISPLAY CABINETS						
D2	6'-0"	3'-6"	2'-0"	1	10/A-415	REAR SLIDING DOOR, FOUR ADJUSTABLE GLASS SHELVES
TALL CABINETS						
T1	2'-0"	7'-0"	2'-0"	150	3/A-416	ONE HINGED DOOR, TWO ADJUSTABLE SHELVES AND CLOTHES ROD WITH FULL LENGTH MIRROR MOUNTED TO INTERIOR SIDE OF DOOR
T2	2'-9"	6'-4"	2'-2"	4	1/A-417	TWO HINGED DOORS WITH INTEGRAL TOE KICK, THREE ADJUSTABLE SHELVES
T3	2'-6"	6'-4"	2'-2"	1	3/A-417	THREE HINGED DOORS, FOUR ADJUSTABLE SHELVES
WALL CABINETS						
W1	2'-6"	1'-4"	2'-2"	1	2/A-417	TWO HINGED DOORS, TWO ADJUSTABLE SHELVES
W2	1'-6"	2'-6"	1'-0"	6	6/A-415	ONE HINGED DOOR, TWO ADJUSTABLE SHELVES
W3	2'-9"	2'-6"	1'-0"	7	6/A-415	TWO HINGED DOORS, TWO ADJUSTABLE SHELVES
W4	3'-0"	1'-6"	1'-0"	2	3/A-415	TWO HINGED DOORS, ONE ADJUSTABLE SHELF
W5	1'-3"	2'-6"	1'-0"	1	6/A-415	ONE HINGED DOOR, TWO ADJUSTABLE SHELVES
W6	1'-0"	2'-6"	1'-0"	1	6/A-415	CORNER CABINET, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
W7	2'-6"	2'-6"	1'-0"	1	6/A-415	TWO HINGED DOORS, TWO ADJUSTABLE SHELVES
W8	3'-0"	4'-2"	1'-0"	1	11/A-415	THREE EQUAL OPEN SHELVES
W9	3'-3"	1'-6"	1'-0"	2	3/A-415	TWO HINGED DOORS, ONE ADJUSTABLE SHELF
W10	1'-9"	2'-6"	1'-0"	26	6/A-415	ONE HINGED DOOR, TWO ADJUSTABLE SHELVES
W11	3'-0"	2'-6"	1'-0"	21	6/A-415	TWO HINGED DOORS, TWO ADJUSTABLE SHELVES
W12	3'-3"	2'-6"	1'-0"	9	6/A-415	TWO HINGED DOORS, TWO ADJUSTABLE SHELVES

EQUIPMENT SCHEDULE						EA
MARK	DESCRIPTION	COUNT	NEW / EXIST.	RELOCATED FROM	REMARKS	
E1	REFRIGERATED CASE	1	EXIST	SERVING LINE	1	
E2	COFFEE MAKER	1	EXIST	SERVING LINE	1	
E3	COLD MILK DISPENSER	1	NEW		2	
E4	COLD BEVERAGE DISPENSER	1	EXIST	SERVING LINE	1	
E5	COLD BEVERAGE DISPENSER	1	EXIST	SERVING LINE	1	
E6	ICE AND WATER DISPENSER	1	EXIST	SERVING LINE	1	
E7	ICED CAPPUCCINO DISPENSER	1	EXIST	SERVING LINE	1	
E8	COFFEE URN	1	EXIST	SERVING LINE	1	
E11	POPCORN MAKER	1	EXIST	LIBRARY/ACTIVITY ROOM	1	
E12	ICE CREAM DISPENSER	1	NEW		2	
E13	SODA DISPENSER WITH ICE MAKER	1	NEW		2	
E14	MICROWAVE	3	EXIST	(2) BREAK ROOM / (1) LIBRARY	1	
E17	REFRIGERATOR	1	EXIST	BREAK ROOM	1	
E18	GLASS DOOR FREEZER	1	NEW		2	
E19	BEVERAGE COOLER	2	NEW/EXIST	(1) BISTRO	1, 2	
E20	PAPER TOWEL DISPENSER	4	EXIST	*VARIES	1	
E21	SOAP DISPENSER	4	EXIST	*VARIES	1	
E22	COTTON CANDY MACHINE	1	NEW		4	
REMARKS:						
1. SALVAGE EXISTING AND RELOCATE						
2. OFCI						
3. CFCI						
4. OFOI						
TOILET ACCESSORY SCHEDULE						
MARK	DESCRIPTION	REMARKS				
T1	GRAB BAR (42")					
T2	GRAB BAR (36")					
T3	GRAB BAR (18")					
T4	MULTI-ROLL TOILET TISSUE DISPENSER					
T5	LIQUID SOAP DISPENSER					
T6	FRAMED MIRROR					
T7	MIRROR					
T8	MIRROR					
T9	UNDERLAVATORY GUARD					

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR

Dated: 08/15/2024

**Farnsworth**  
GROUP

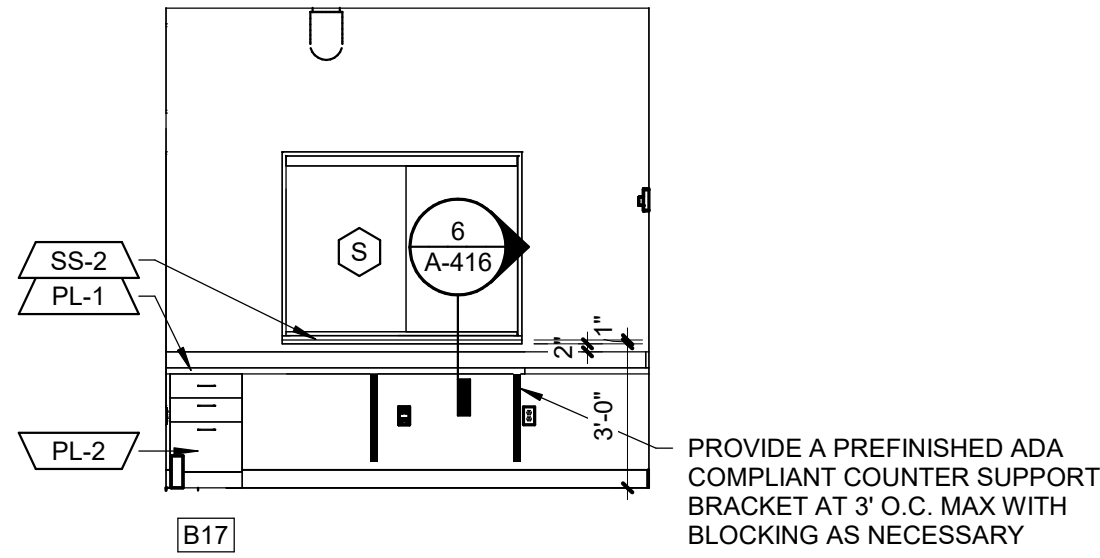
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

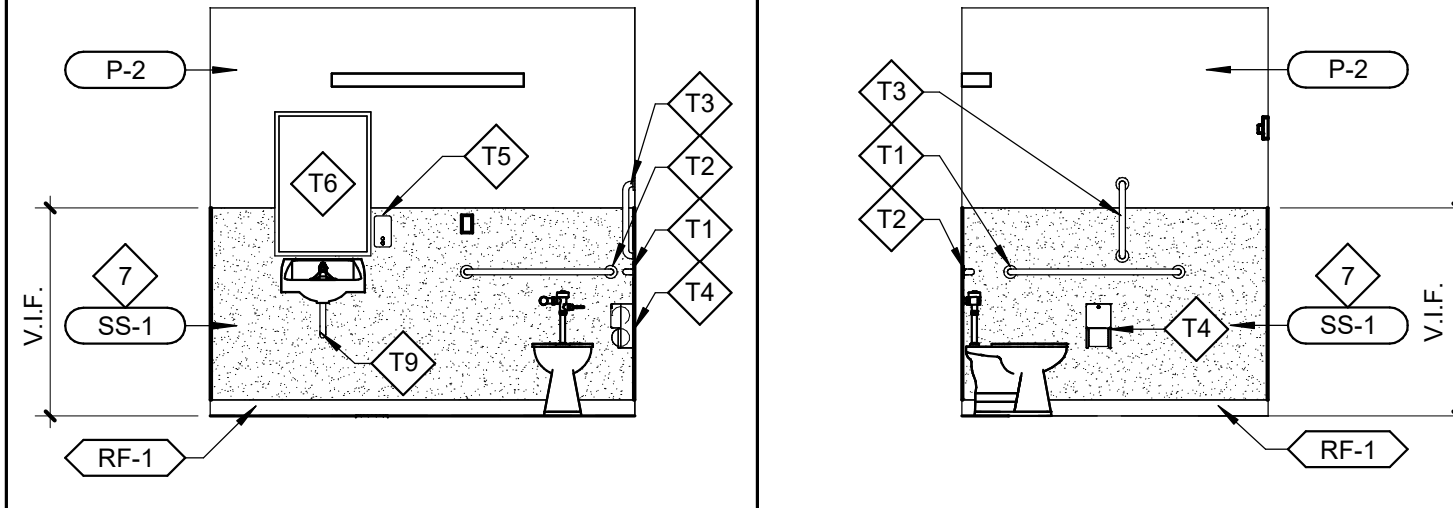
**100% BID SET**

08/

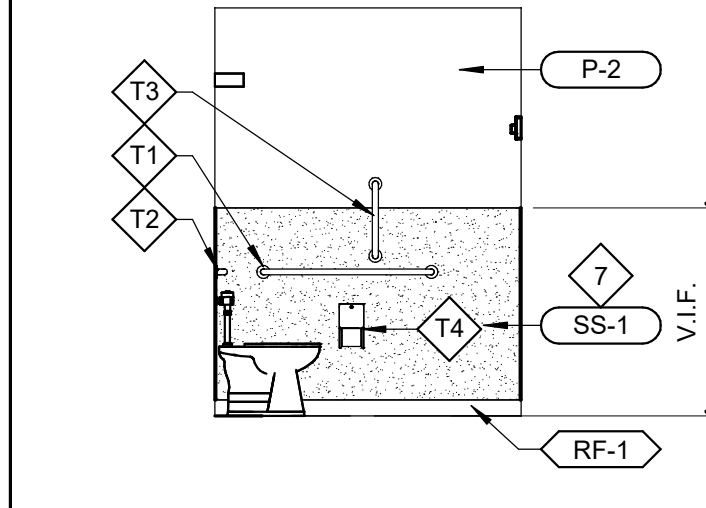




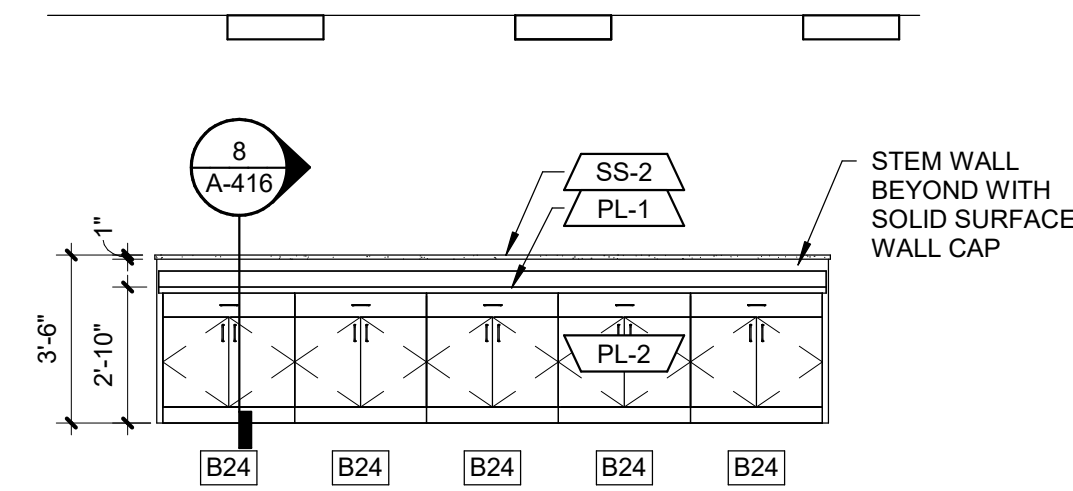
**6 ADMIN. ASSIST. ELEVATION - EAST**  
Scale: 1/4" = 1'-0"



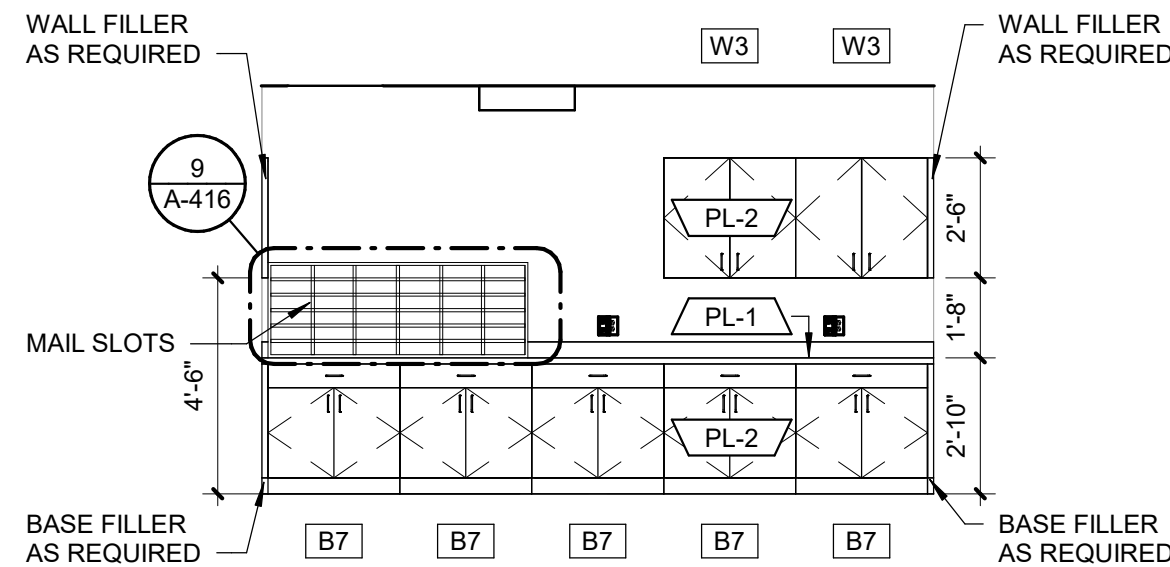
**5 WING A TOILET, TYP**  
Scale: 1/4" = 1'-0"



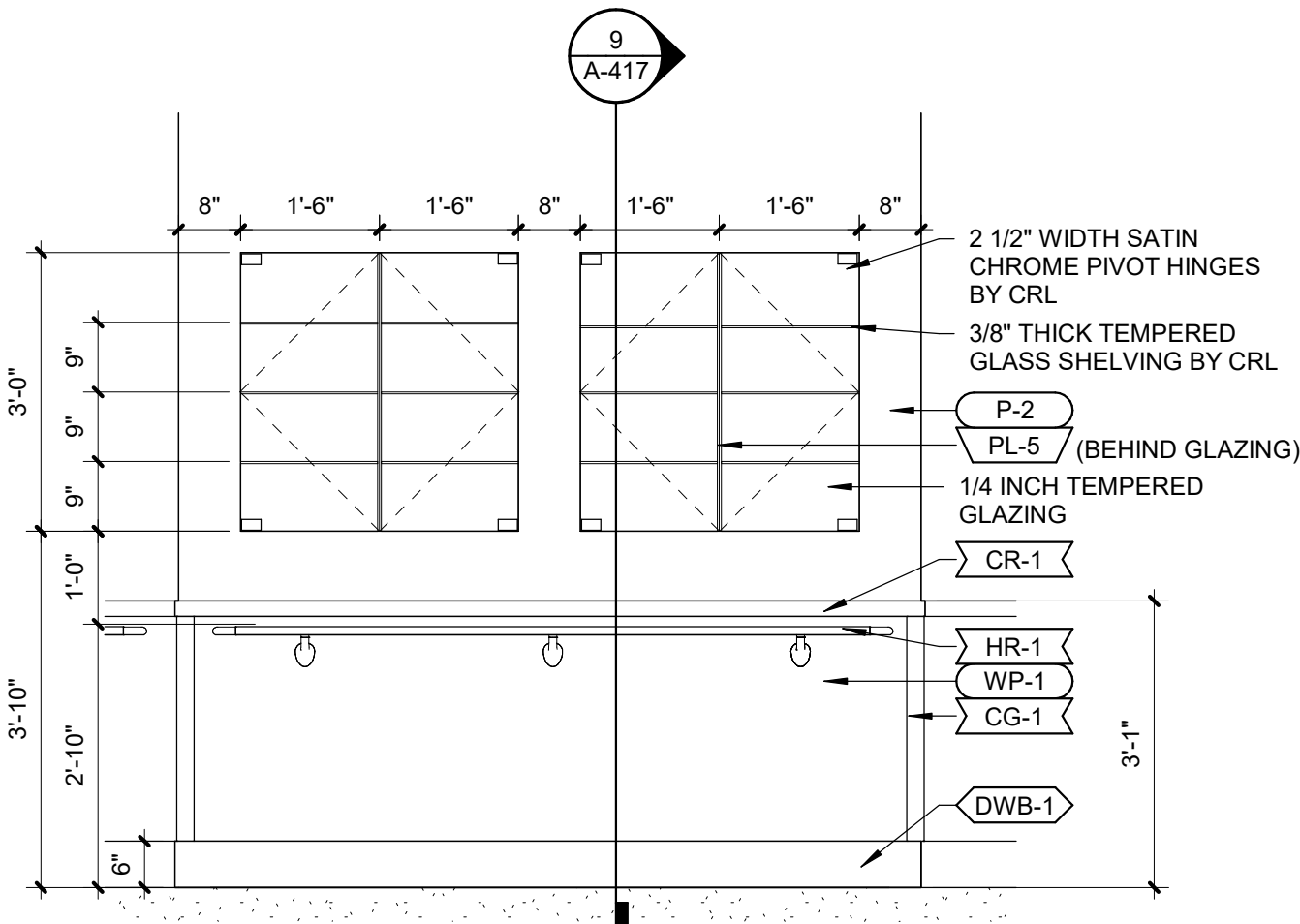
**4 WING A TOILET, TYP**  
Scale: 1/4" = 1'-0"



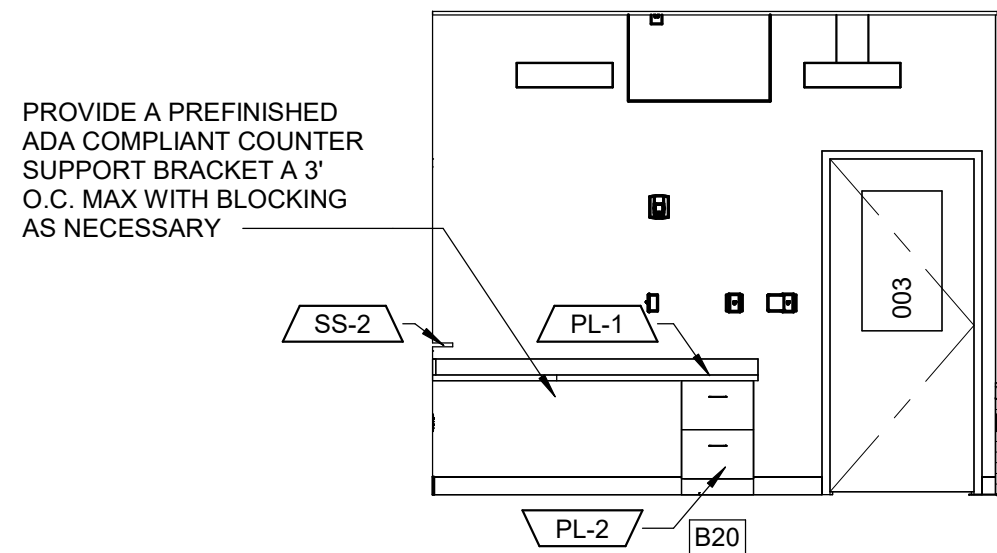
**3 BULLPEN ELEVATION WEST**  
Scale: 1/4" = 1'-0"



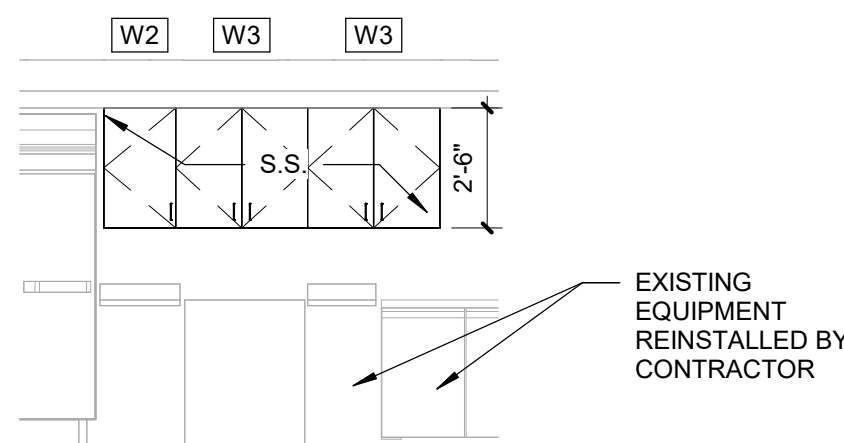
**2 BULLPEN ELEVATION EAST**  
Scale: 1/4" = 1'-0"



**8 DISPLAY AREA ELEVATION**  
Scale: 1/2" = 1'-0"



**7 ADMIN. ASSIST. SOUTH ELEVATION**  
Scale: 1/4" = 1'-0"



**1 WING A KITCHEN ELEVATION**  
Scale: 1/4" = 1'-0"

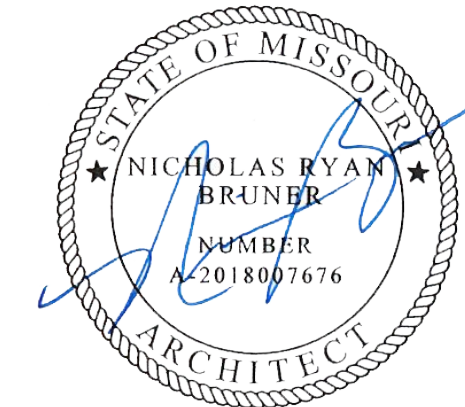
**INTERIOR ELEVATION GENERAL NOTES**

- A. SEE G-002 FOR STANDARD MOUNTING HEIGHTS.  
B. SEE SHEET A-801 FOR EQUIPMENT PLAN AND SCHEDULE.  
C. SEE INTERIORS FOR FINISHES AND RELATED KEYNOTES.

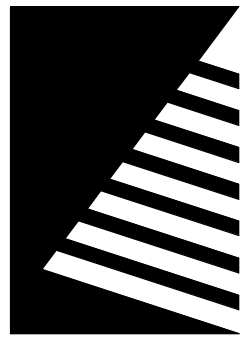
**CASEWORK SCHEDULE**

NO.	WIDTH	HEIGHT	DEPTH	COUNT	DETAIL NO.	DESCRIPTION
BASE CABINETS						
B1	1'-6"	2'-8 1/2"	2'-0"	7	2/A-415	FOUR EQUAL DRAWERS
B2	2'-9"	2'-8 1/2"	2'-0"	2	1/A-415	TWO 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B3	3'-0"	2'-8 1/2"	2'-0"	1	7/A-415	SINK CABINET, TWO HINGED DOORS, 6" FALSE FRONT ABOVE DOORS
B5	2'-0"	2'-8 1/2"	2'-0"	1	5/A-415	CORNER CABINET, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B6	1'-6"	2'-8 1/2"	2'-0"	2	1/A-415	ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B7	2'-9"	2'-8 1/2"	2'-0"	5	1/A-415	ONE LARGE 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B8	2'-9"	2'-8 1/2"	2'-0"	1	7/A-415	SINK CABINET, TWO HINGED DOORS, 6" FALSE FRONT ABOVE DOORS
B9	1'-9"	2'-8 1/2"	2'-0"	1	2/A-415	FOUR EQUAL DRAWERS
B10	1'-9"	2'-8 1/2"	2'-0"	1	1/A-415	ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B11	3'-3"	2'-8 1/2"	2'-0"	1	7/A-415	SINK CABINET, TWO HINGED DOORS, 6" FALSE FRONT ABOVE DOORS
B12	3'-0"	2'-8 1/2"	2'-0"	3	1/A-415	ONE LARGE 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B13	1'-9"	2'-8 1/2"	2'-0"	36	5/A-415	ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B14	1'-3"	2'-8 1/2"	2'-0"	6	5/A-415	ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B15	1'-6"	2'-8 1/2"	2'-0"	36	5/A-415	ONE HINGED DOOR, ONE ADJUSTABLE SHELF WITH COMBINATION CAM LOCK
B16	1'-6"	2'-8 1/2"	2'-0"	6	5/A-415	ONE HINGED DOOR, ONE ADJUSTABLE SHELF WITH KEYED CAM LOCK
B17	1'-6"	2'-4 1/2"	2'-0"	1	8/A-415	TWO EQUAL BOX DRAWERS, ONE FILE DRAWER
B18	3'-0"	2'-8 1/2"	2'-0"	150	4/A-415	THREE EQUAL DRAWERS
B19	1'-3"	2'-8 1/2"	2'-0"	1	1/A-415	ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B20	1'-6"	2'-4 1/2"	2'-0"	1	4/A-417	TWO FILE DRAWERS
B22	1'-6"	2'-8 1/2"	2'-0"	4	1/A-415	ONE 6" DRAWER, ONE HINGED DOOR, ONE ADJUSTABLE SHELF WITH KEYED CAM LOCK
B23	3'-0"	2'-8 1/2"	2'-0"	4	1/A-415	TWO 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B24	2'-9"	2'-8 1/2"	2'-0"	5	1/A-415	ONE LARGE 6" DRAWER, TWO HINGED DOORS, ONE ADJUSTABLE SHELF WITH FINISHED END AND BACK PANELS
B25	2'-0"	2'-8 1/2"	2'-0"	2	4/A-416	ONE HINGED DOOR, ONE ADJUSTABLE SHELF
B26	3'-0"	2'-8 1/2"	2'-0"	2	5/A-415	TWO HINGED DOORS, ONE ADJUSTABLE SHELF
B27	3'-0"	2'-10 1/2"	2'-0"	1	6/A-416	ADA ROLL UNDER SINK APRON, SEE DETAIL
B28	3'-6"	2'-8 1/2"	2'-0"	1	2/A-416	TWO 6" FALSE DRAWERS, TWO HINGED DOORS WITH INTEGRAL TOE KICK - OPEN TO BACK
DISPLAY CABINETS						
D2	6'-0"	3'-6"	2'-0"	1	10/A-415	REAR SLIDING DOOR, FOUR ADJUSTABLE GLASS SHELVES
TALL CABINETS						
T1	2'-0"	7'-0"	2'-0"	150	3/A-416	ONE HINGED DOOR, TWO ADJUSTABLE SHELVES AND CLOTHES ROD WITH FULL LENGTH MIRROR MOUNTED TO INTERIOR SIDE OF DOOR
T2	2'-9"	6'-4"	2'-2"	4	1/A-417	TWO HINGED DOORS WITH INTEGRAL TOE KICK, THREE ADJUSTABLE SHELVES
T3	2'-6"	6'-4"	2'-2"	1	3/A-417	THREE HINGED DOORS, FOUR ADJUSTABLE SHELVES
WALL CABINETS						
W1	2'-6"	1'-4"	2'-2"	1	2/A-417	TWO HINGED DOORS, TWO ADJUSTABLE SHELVES
W2	1'-6"	2'-6"	1'-0"	6	6/A-415	ONE HINGED DOOR, TWO ADJUSTABLE SHELVES
W3	2'-9"	2'-6"	1'-0"	7	6/A-415	TWO HINGED DOORS, TWO ADJUSTABLE SHELVES
W4	3'-0"	1'-6"	1'-0"	2	3/A-415	TWO HINGED DOORS, ONE ADJUSTABLE SHELF
W5	1'-3"	2'-6"	1'-0"	1	6/A-415	ONE HINGED DOOR, TWO ADJUSTABLE SHELVES
W6	1'-0"	2'-6"	1'-0"	1	6/A-415	CORNER CABINET, ONE HINGED DOOR, ONE ADJUSTABLE SHELF
W7	2'-6"	2'-6"	1'-0"	1	6/A-415	TWO HINGED DOORS, TWO ADJUSTABLE SHELVES
W8	3'-0"	4'-2"	1'-0"	1	11/A-415	THREE EQUAL OPEN SHELVES
W9	3'-3"	1'-6"	1'-0"	2	3/A-415	TWO HINGED DOORS, ONE ADJUSTABLE SHELF
W10	1'-9"	2'-6"	1'-0"	26	6/A-415	ONE HINGED DOOR, TWO ADJUSTABLE SHELVES
W11	3'-0"	2'-6"	1'-0"	21	6/A-415	TWO HINGED DOORS, TWO ADJUSTABLE SHELVES
W12	3'-3"	2'-6"	1'-0"	9	6/A-415	TWO HINGED DOORS, TWO ADJUSTABLE SHELVES

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SLV  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:

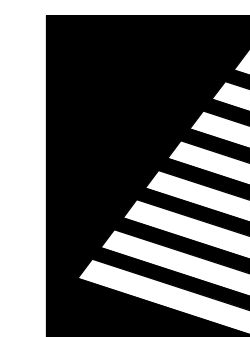
**INTERIOR  
ELEVATIONS**

SHEET NUMBER:

**A-411**

SHEET 75 OF 197  
ISSUE DATE: 08/15/2024





**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
ASSET #.:	8136803002
FAI #.:	29-043

#	DATE:	DESCRIPTION:
---	-------	--------------

DRAWN BY: J.J.H

CHECKED BY: NRE

DESIGNED BY: JJH

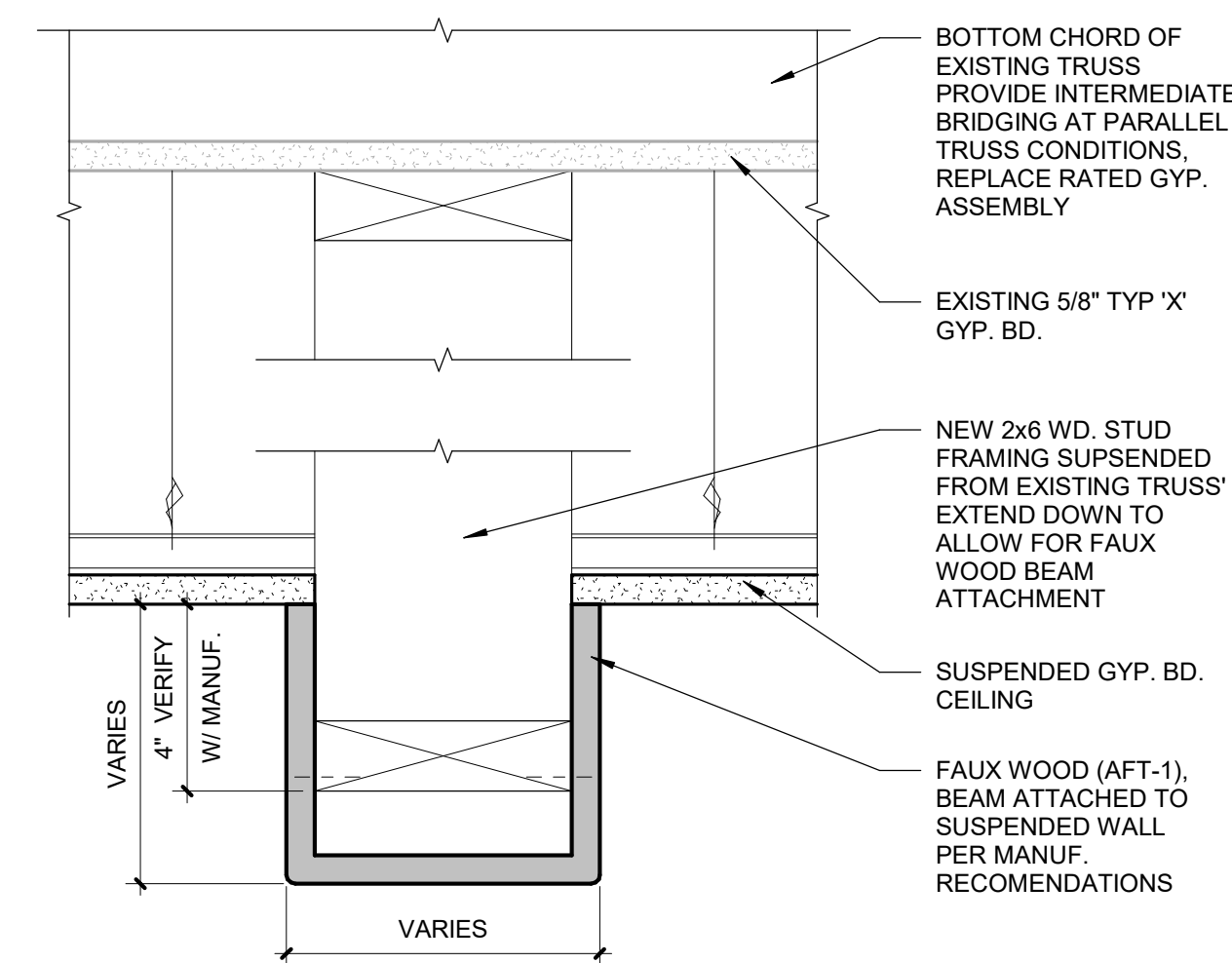
SHEET TITLE:

## LOBBY FIREPLACE AND FAUX BEAM DETAILS

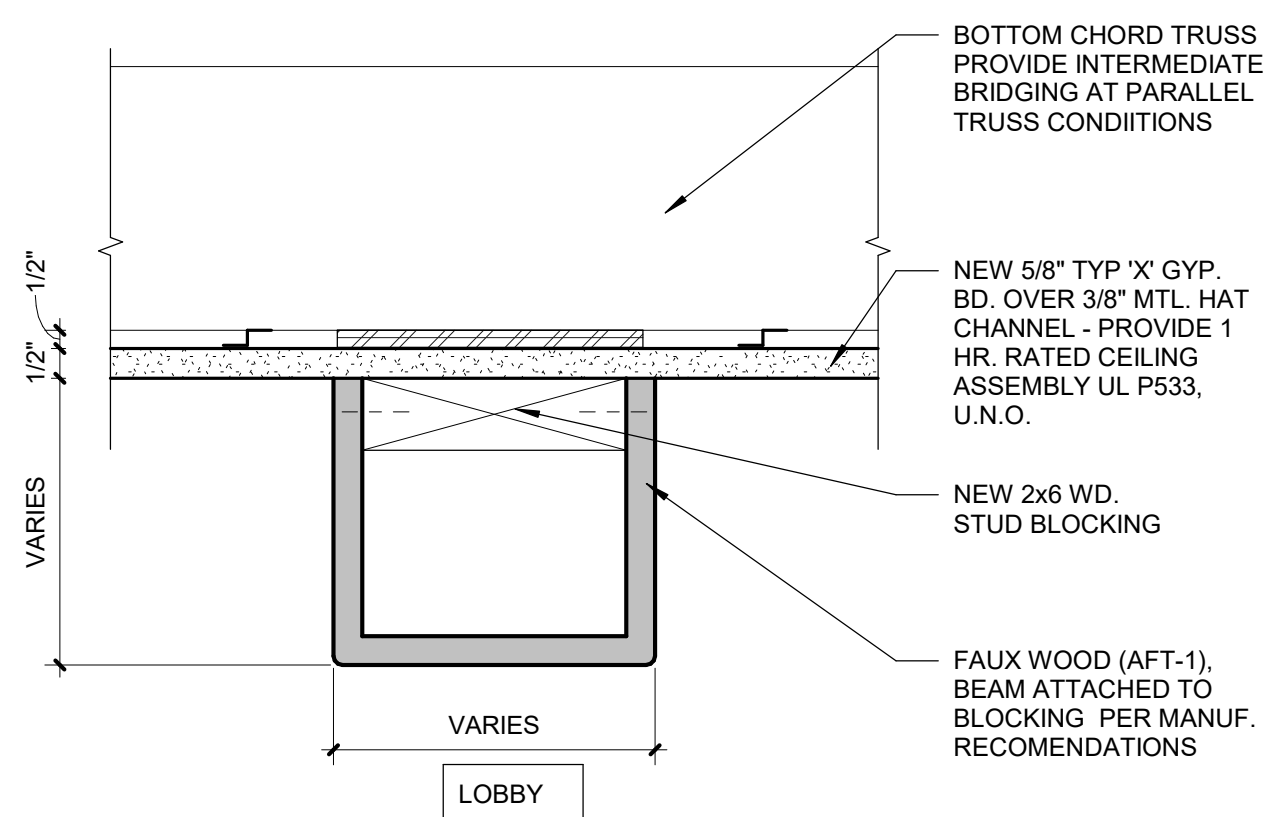
SHEET NUMBER:

A-412

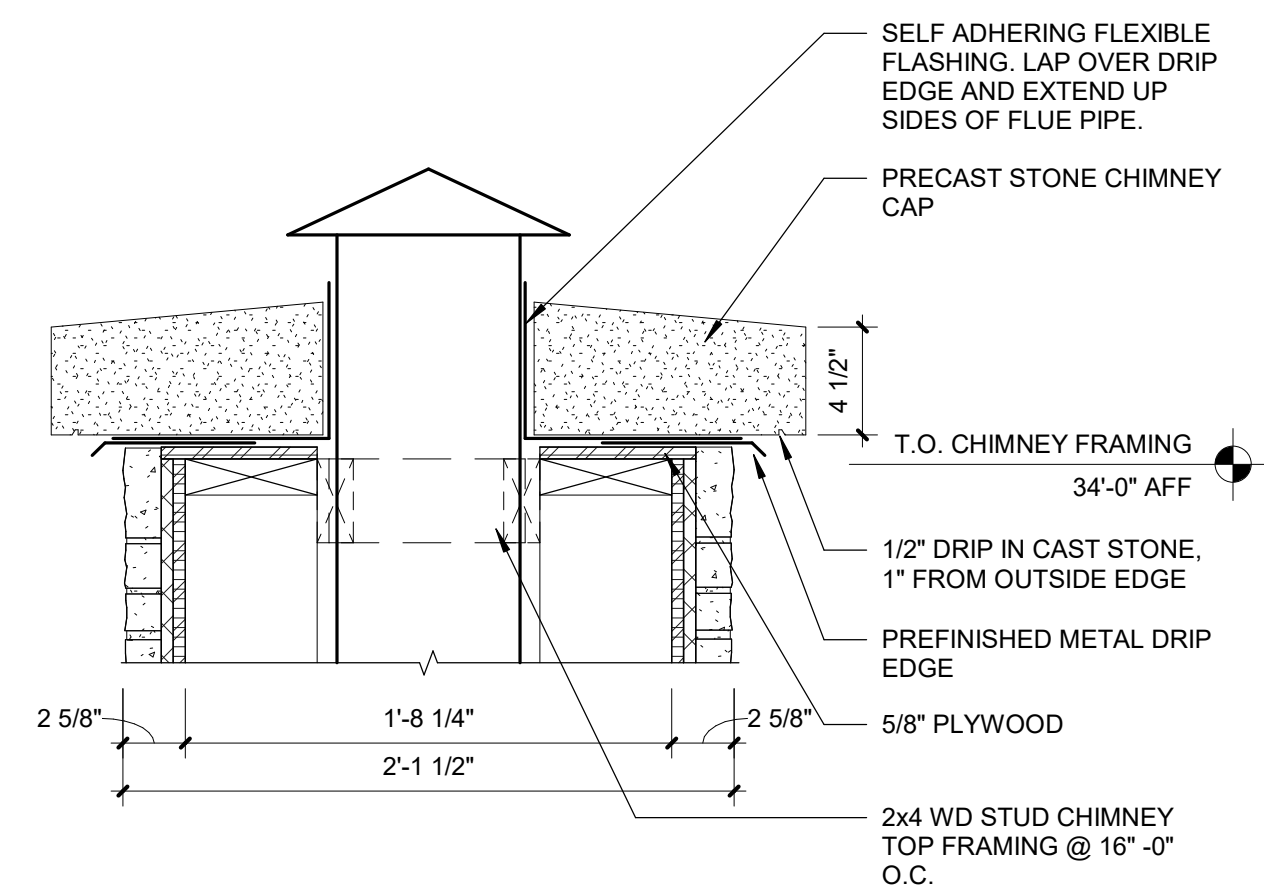
SHEET 76 OF 197  
ISSUE DATE: 08/15/2024



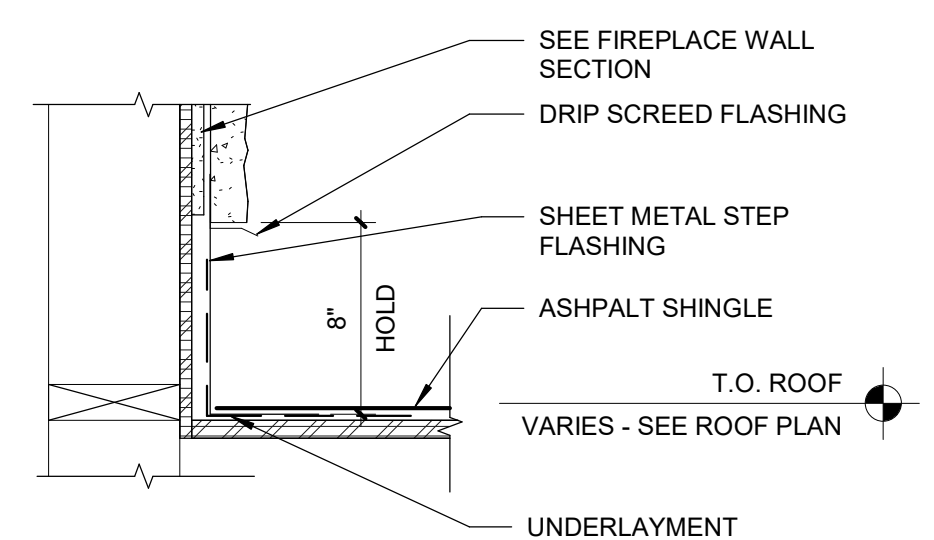
## 6 SUSPENDED FAUX BEAM CONNECTION - EXIST.



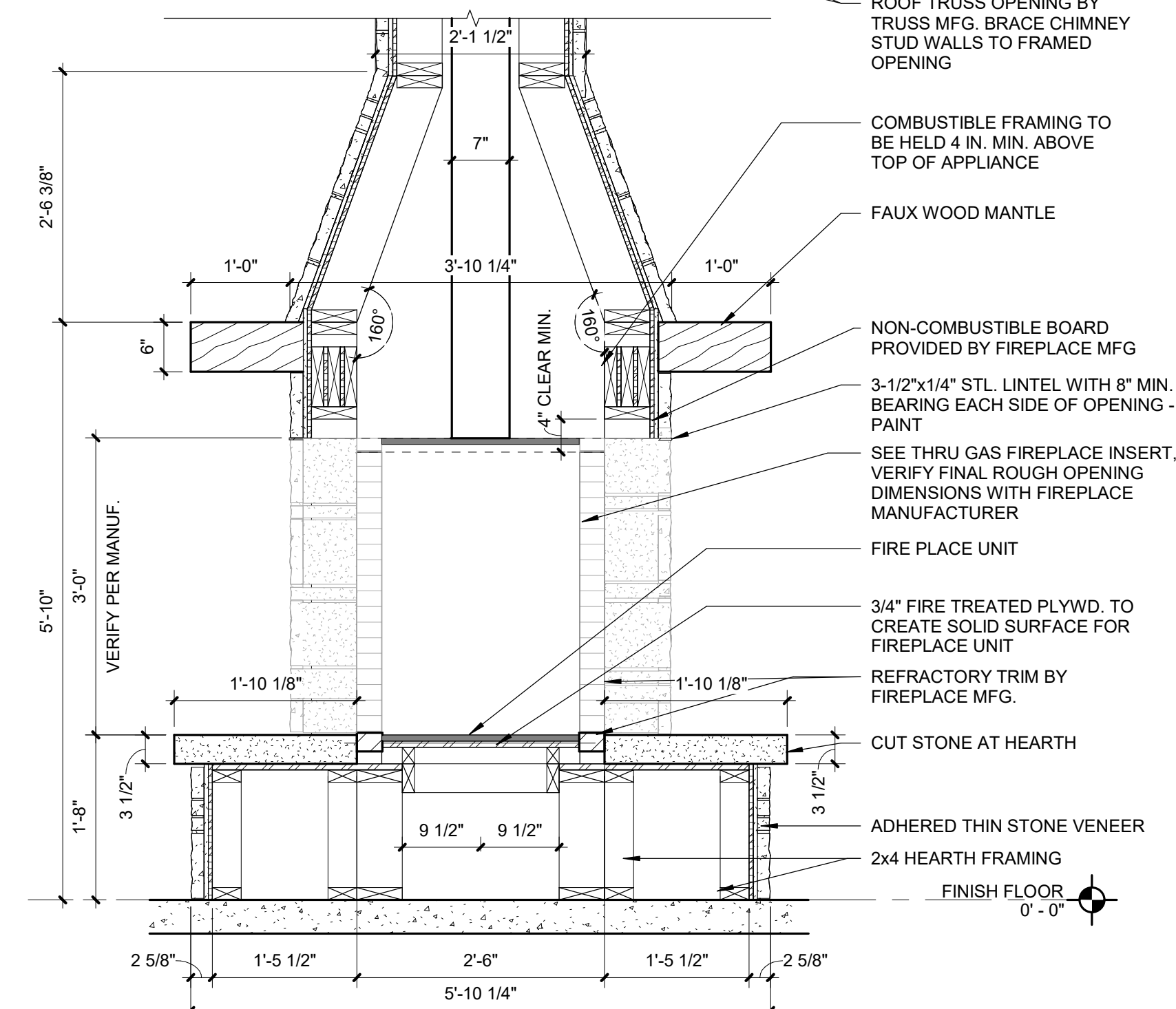
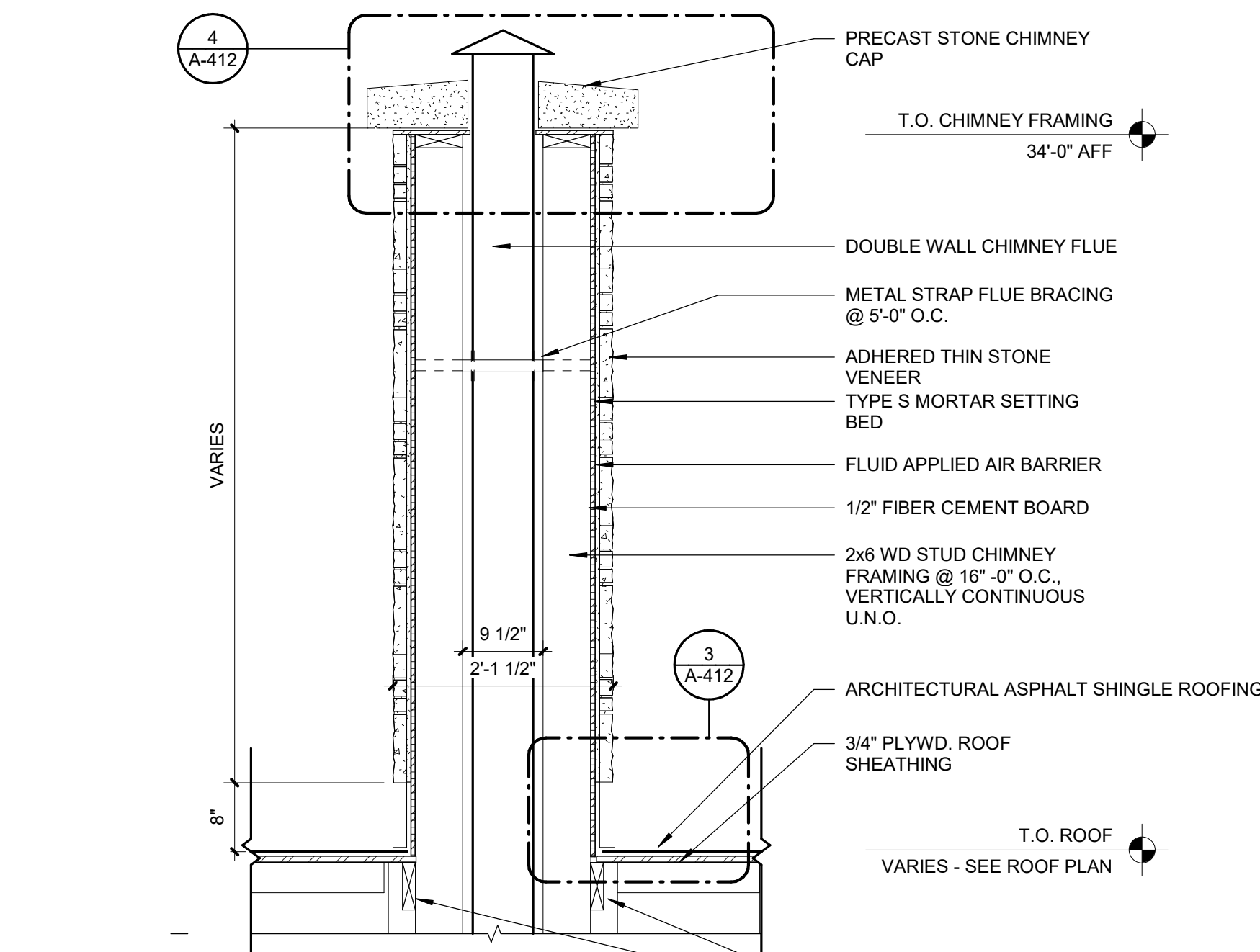
**5 FAUX BEAM CONNECTION AT NEW STRUCT. TRUSS**  
Scale: 3" = 1'-0"



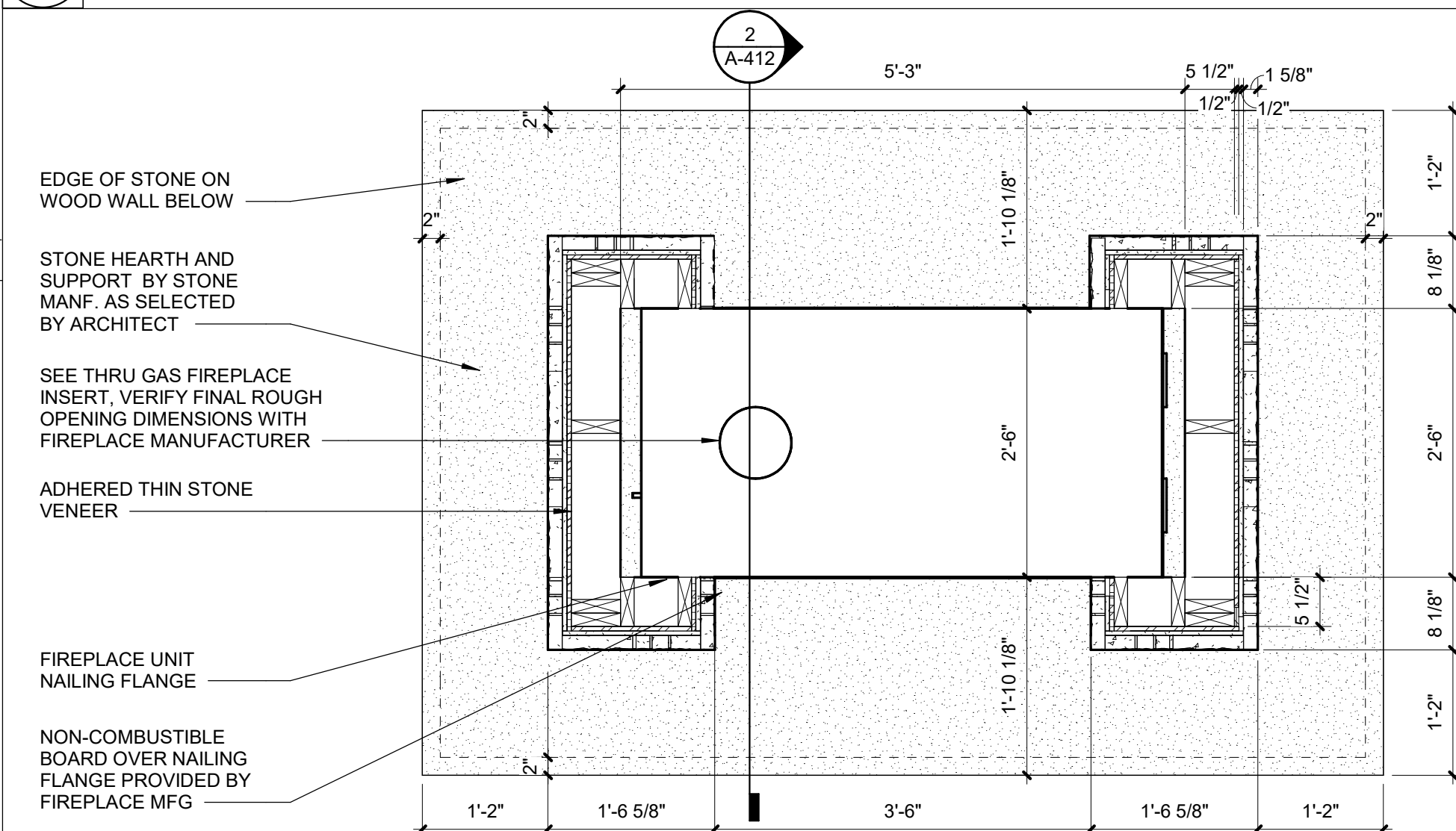
**4 TOP OF CHIMNEY DETAIL**  
Scale: 1 1/2" = 1'-0"



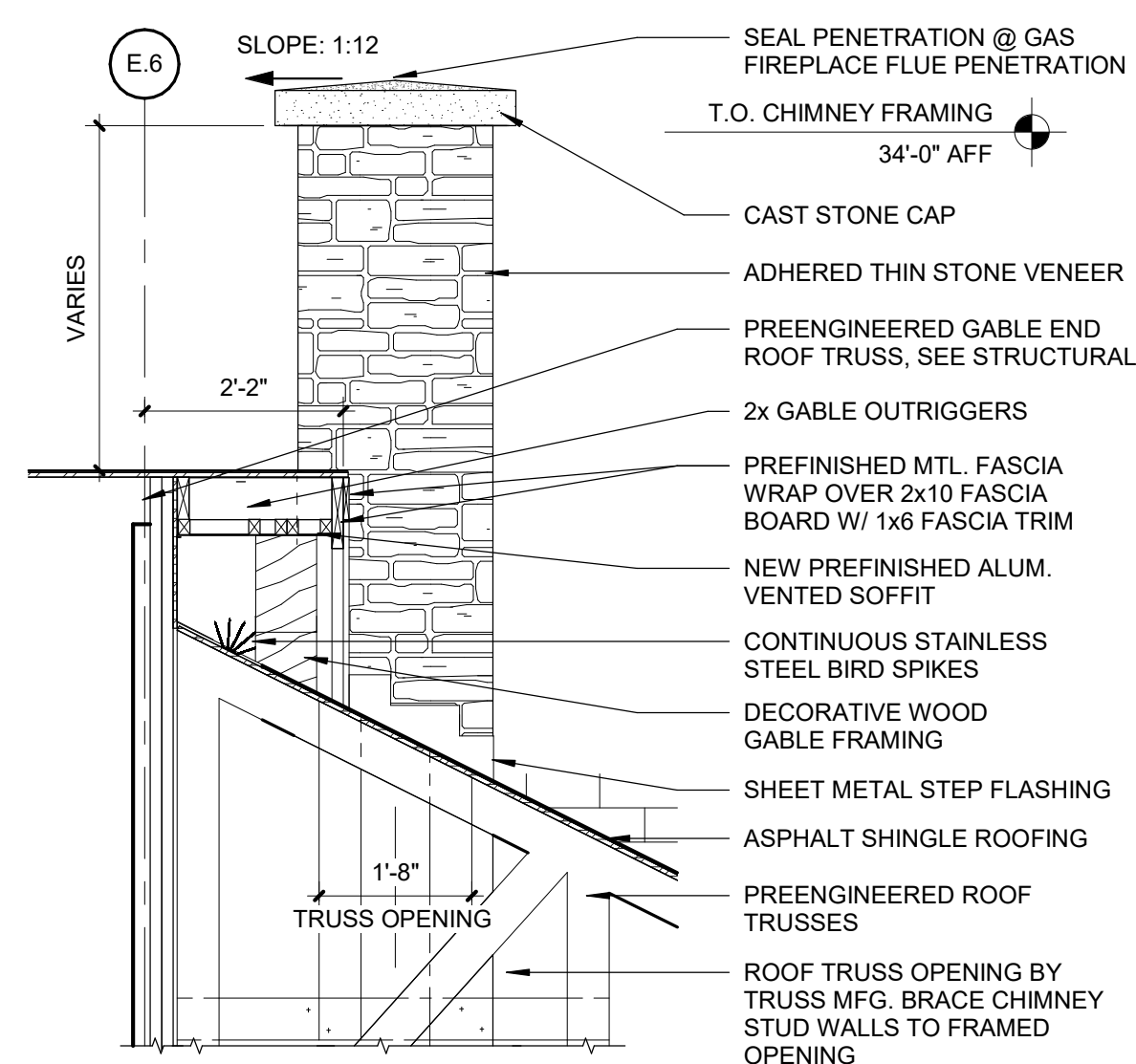
### 3 CHIMNEY TO ROOF DETAIL



**2 SEE-THRU FIREPLACE SECTION**  
Scale: 3/4" = 1'-0"

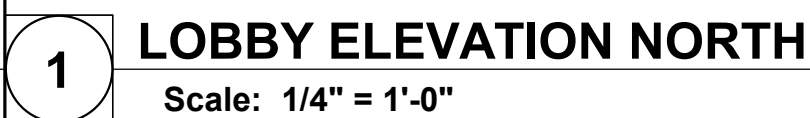
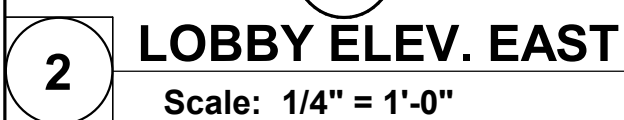
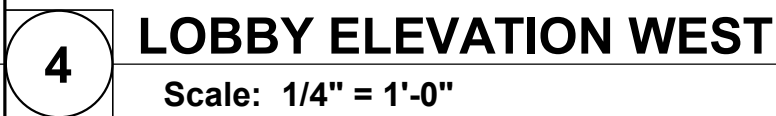
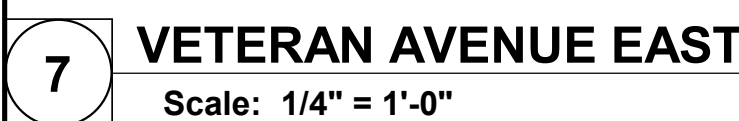
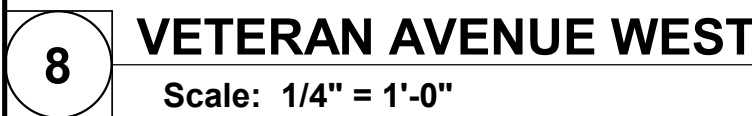


**1 SEE-THRU FIREPLACE PLAN DETAIL**  
Scale: 3/4" = 1'-0"



## 7 CHIMNEY AT ROOF DETAIL



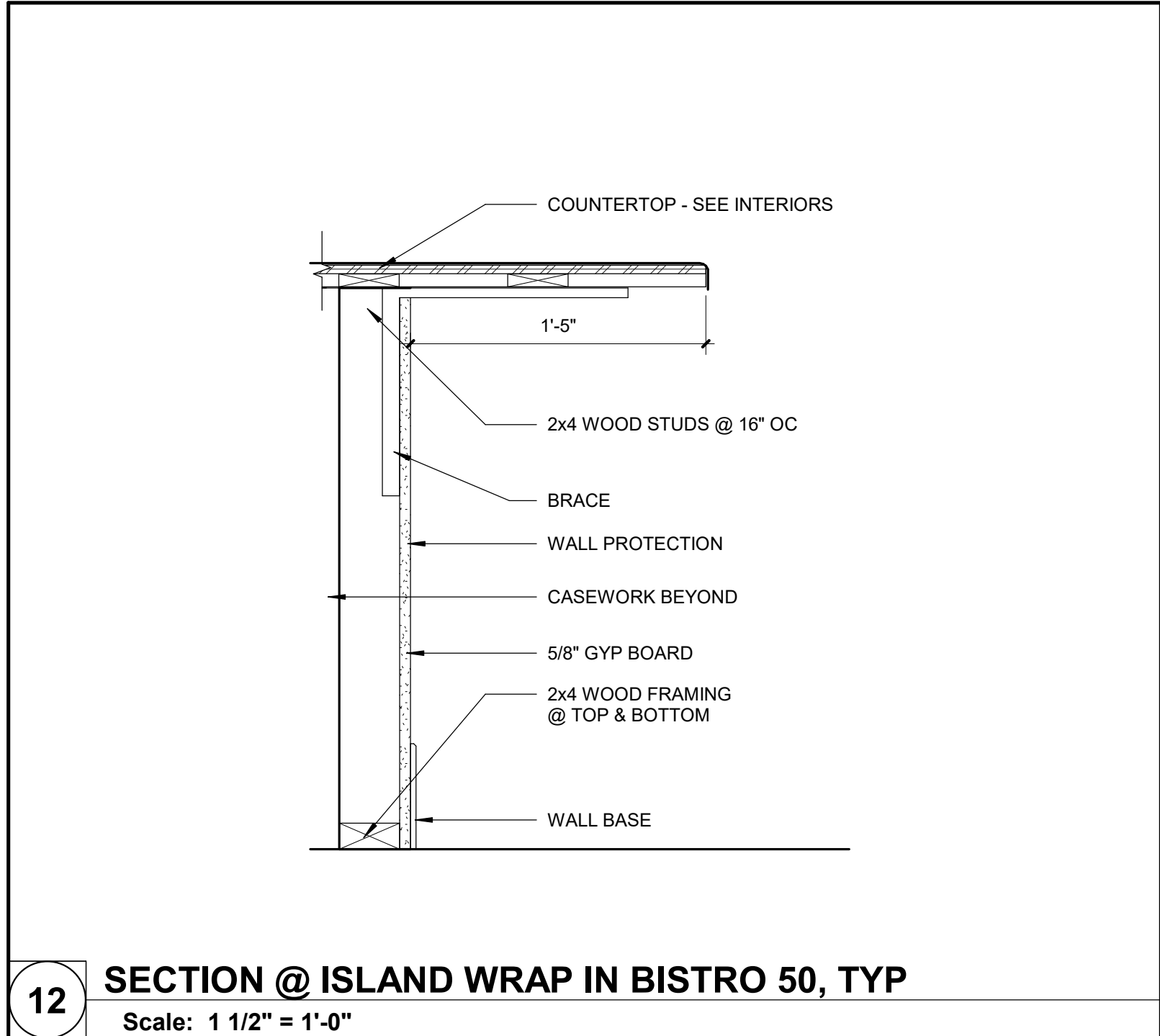


- SHEET 77 OF 197  
ISSUE DATE: 08/15/2024

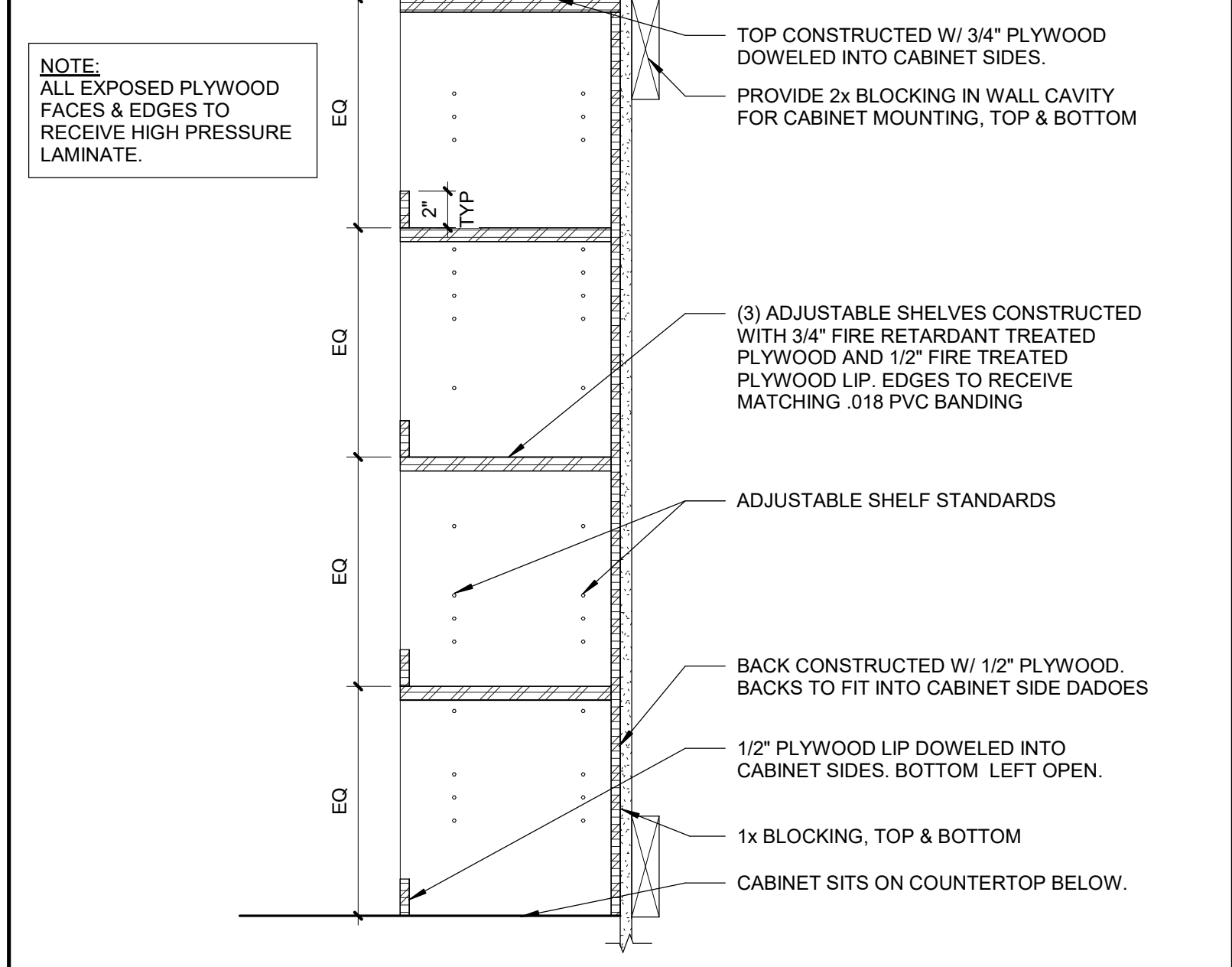




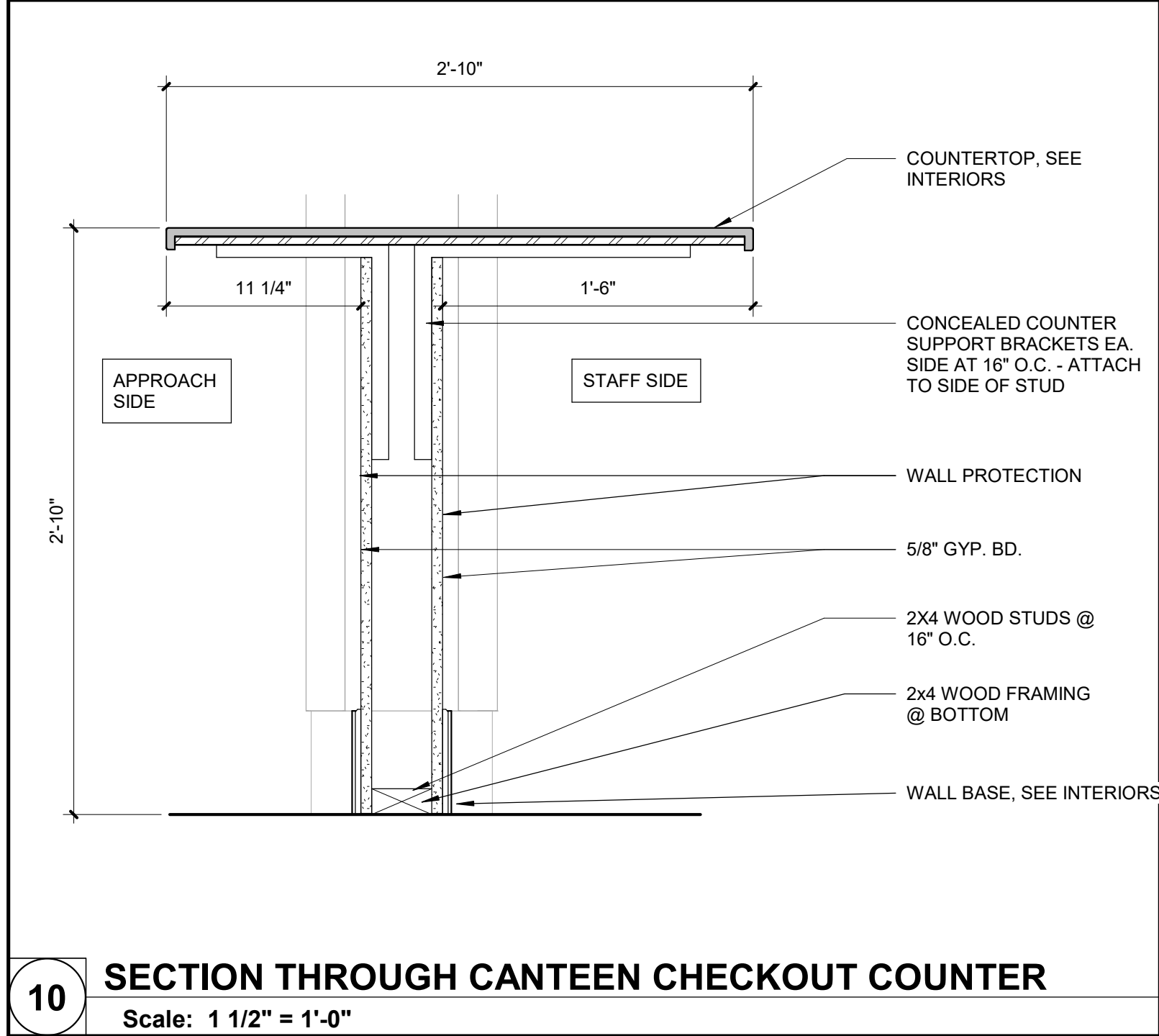




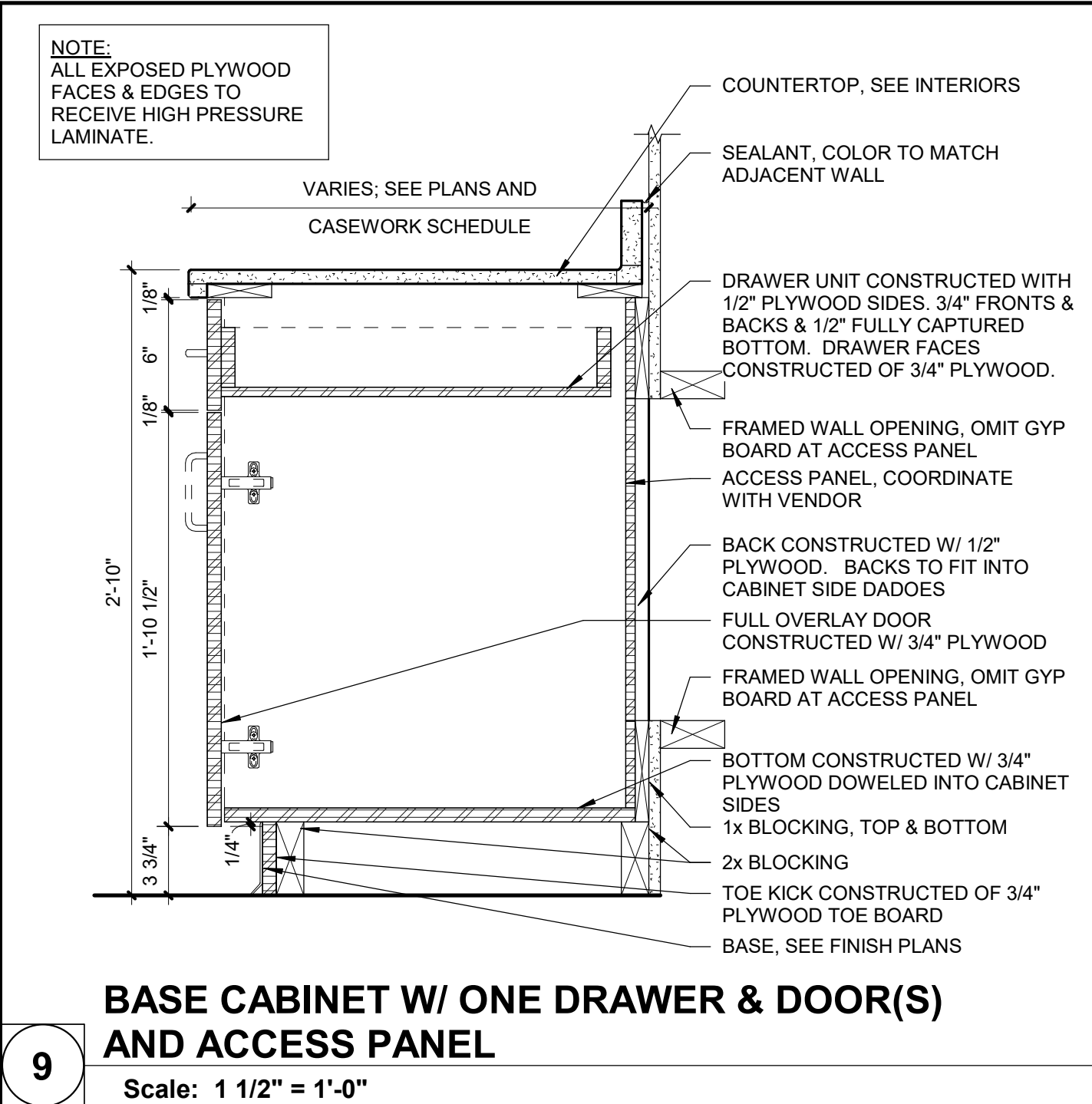
12 SECTION @ ISLAND WRAP IN BISTRO 50, TYP  
Scale: 1 1/2" = 1'-0"



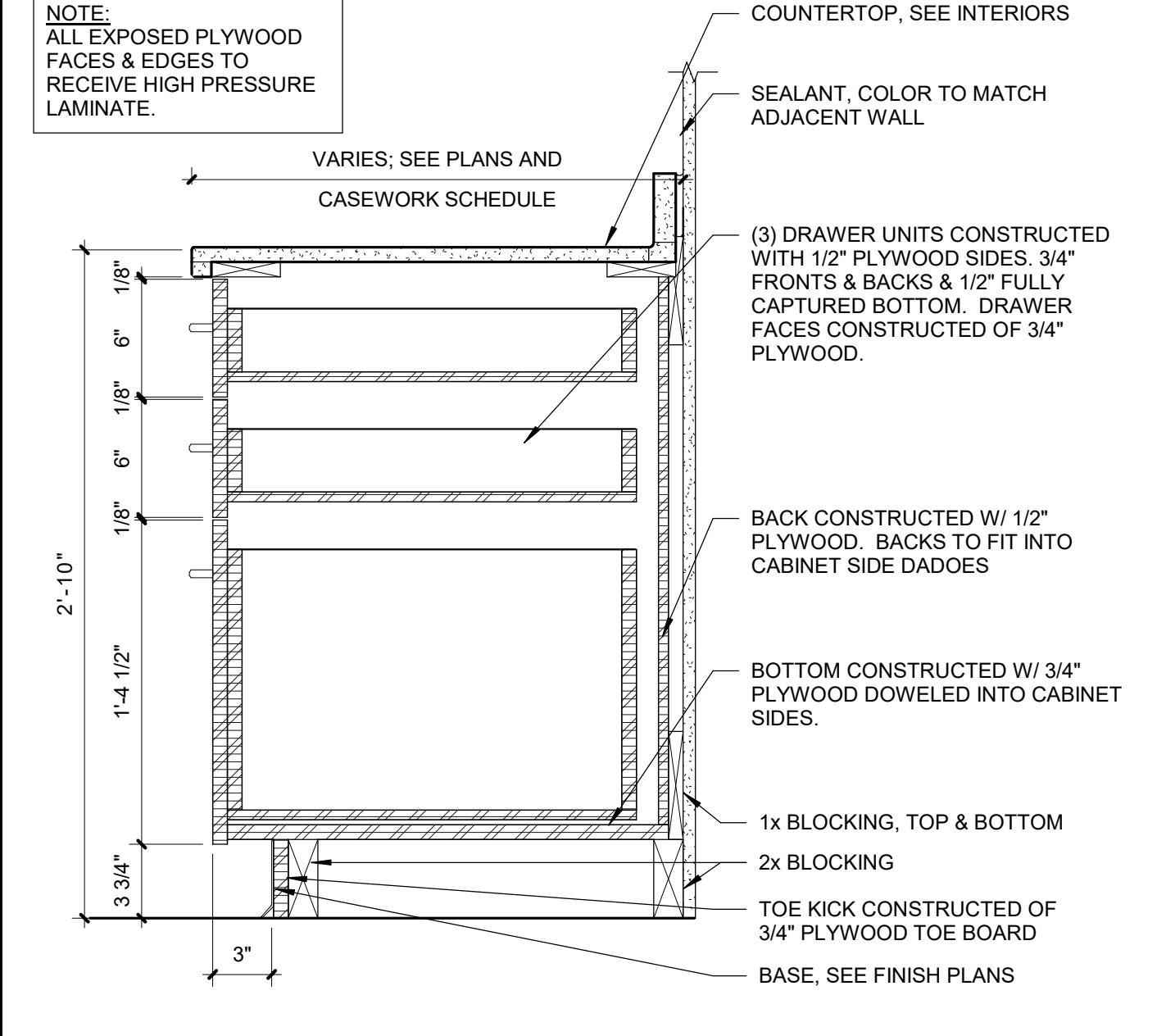
11 WALL CABINET W/ THREE ADJUSTABLE SHELVES  
Scale: 1 1/2" = 1'-0"



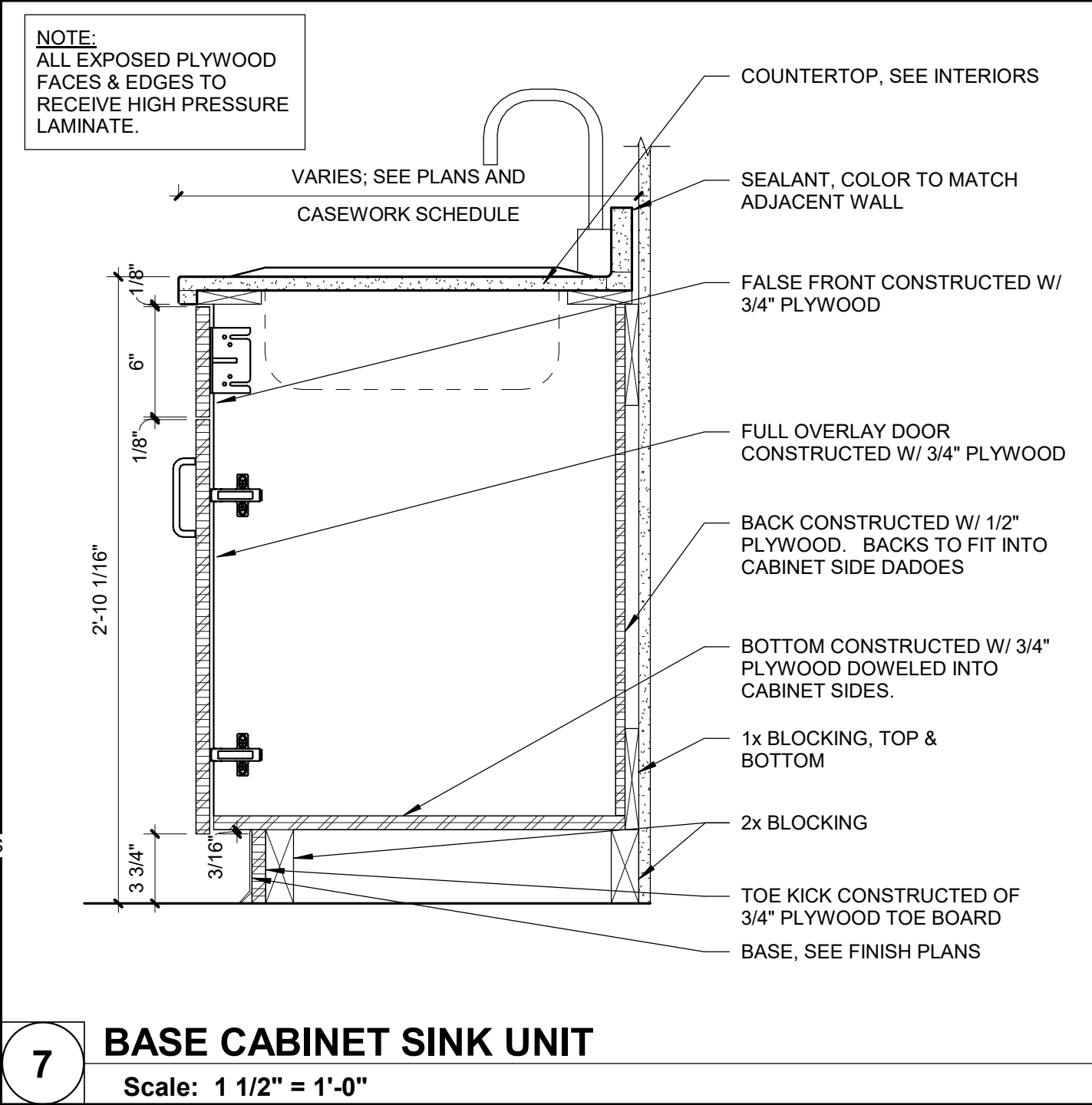
10 SECTION THROUGH CANTEEN CHECKOUT COUNTER  
Scale: 1 1/2" = 1'-0"



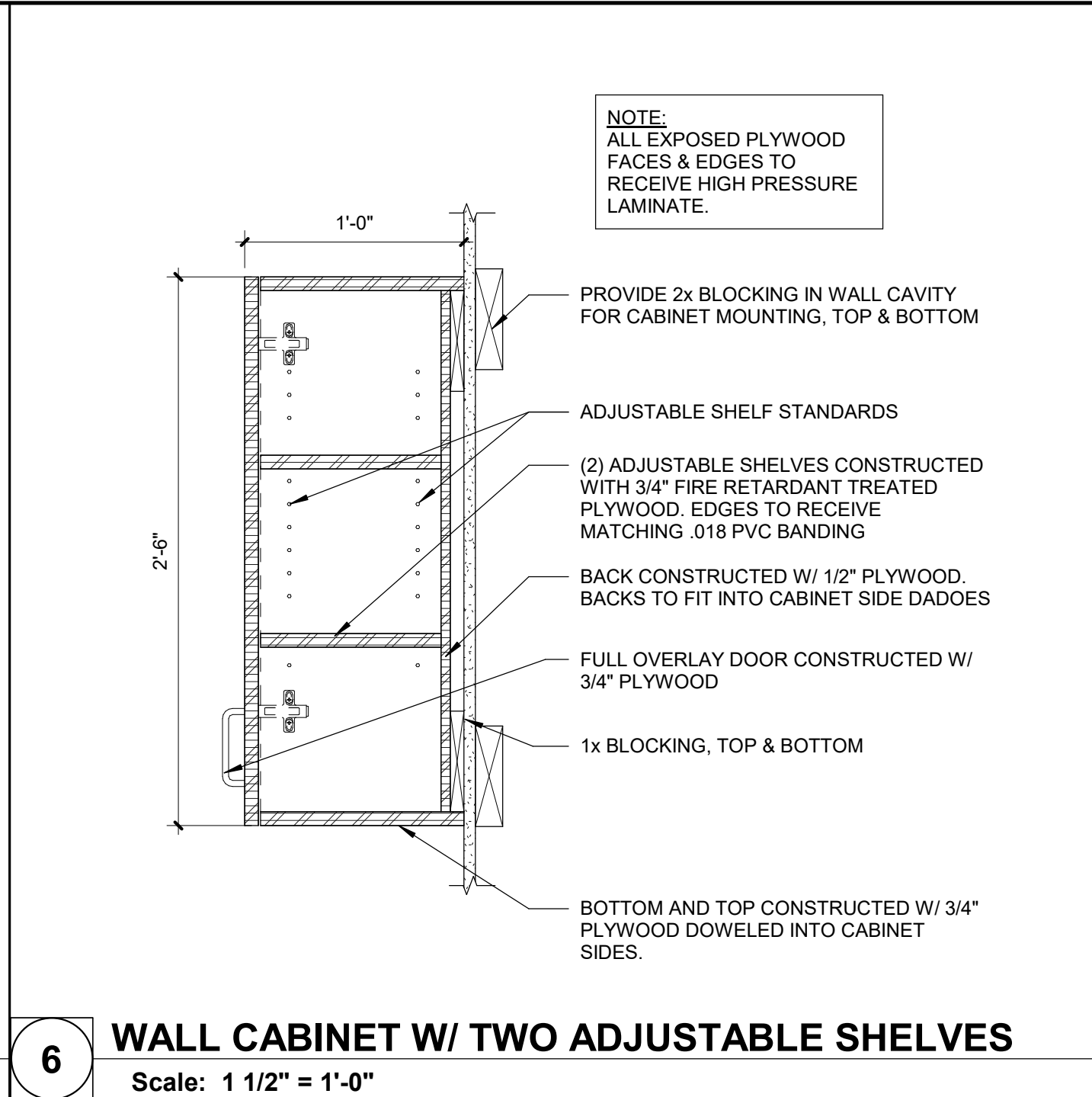
9 BASE CABINET W/ ONE DRAWER & DOOR(S) AND ACCESS PANEL  
Scale: 1 1/2" = 1'-0"



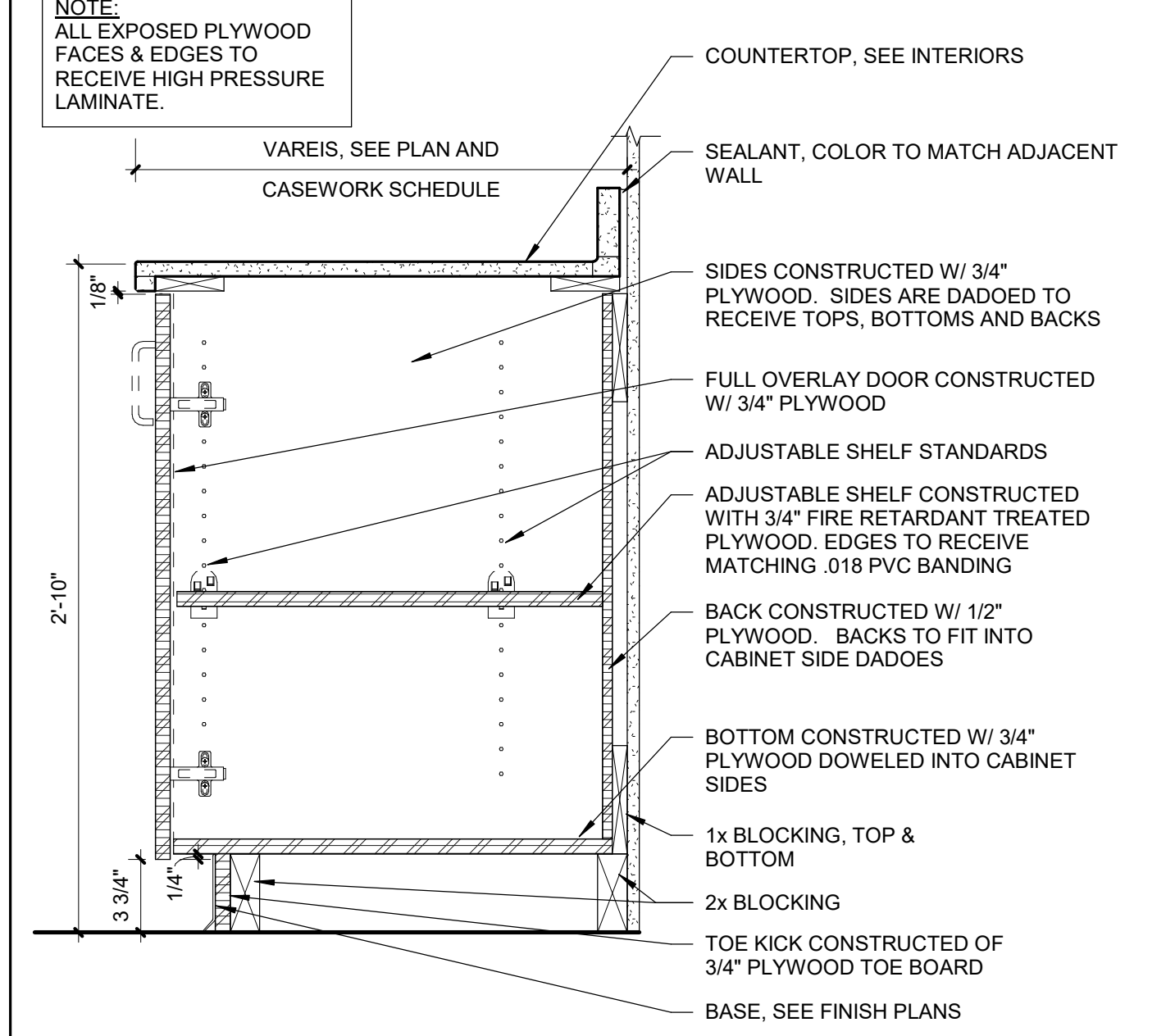
8 BASE CABINET W/ 3 DRAWERS  
Scale: 1 1/2" = 1'-0"



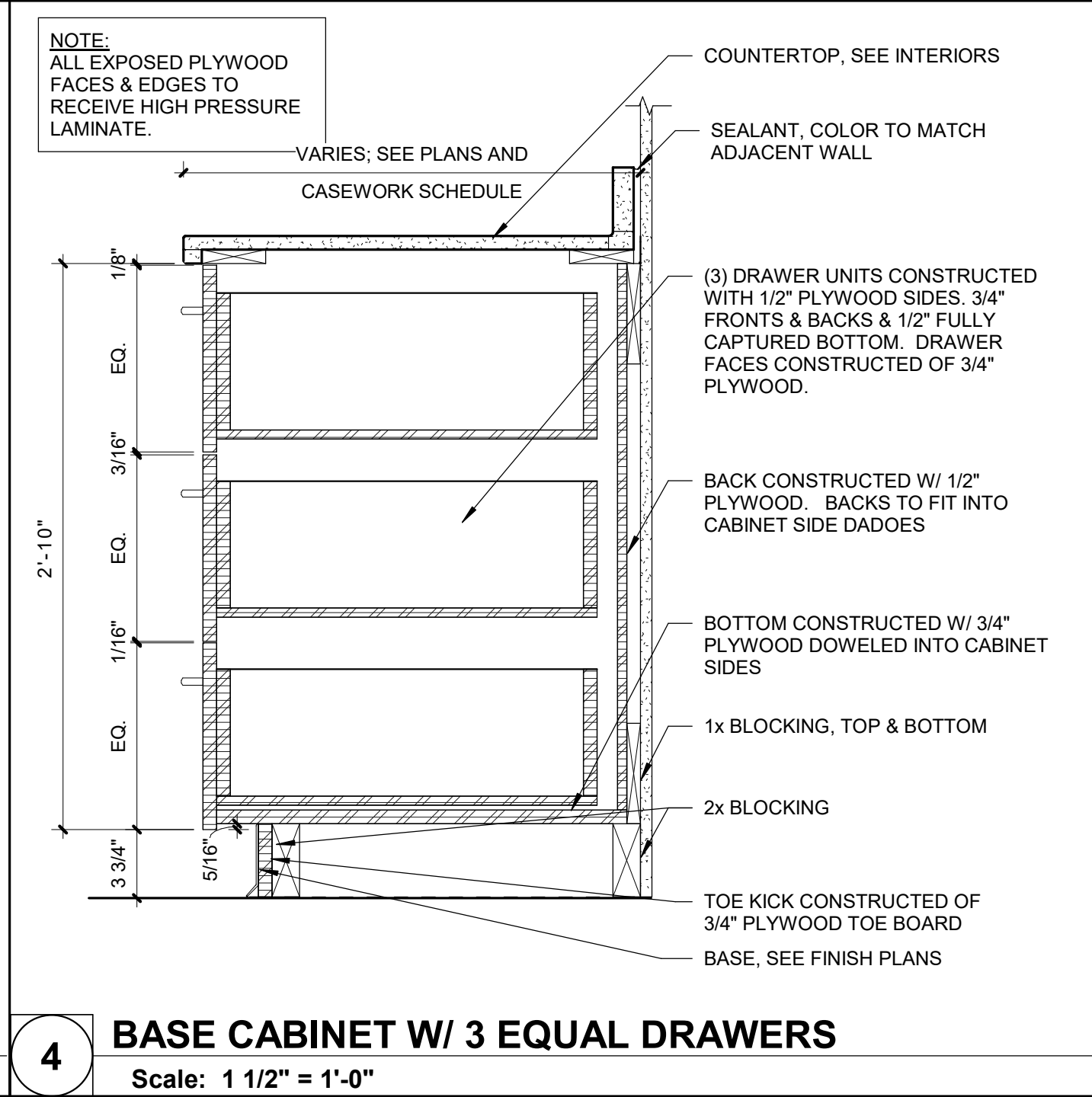
7 BASE CABINET SINK UNIT  
Scale: 1 1/2" = 1'-0"



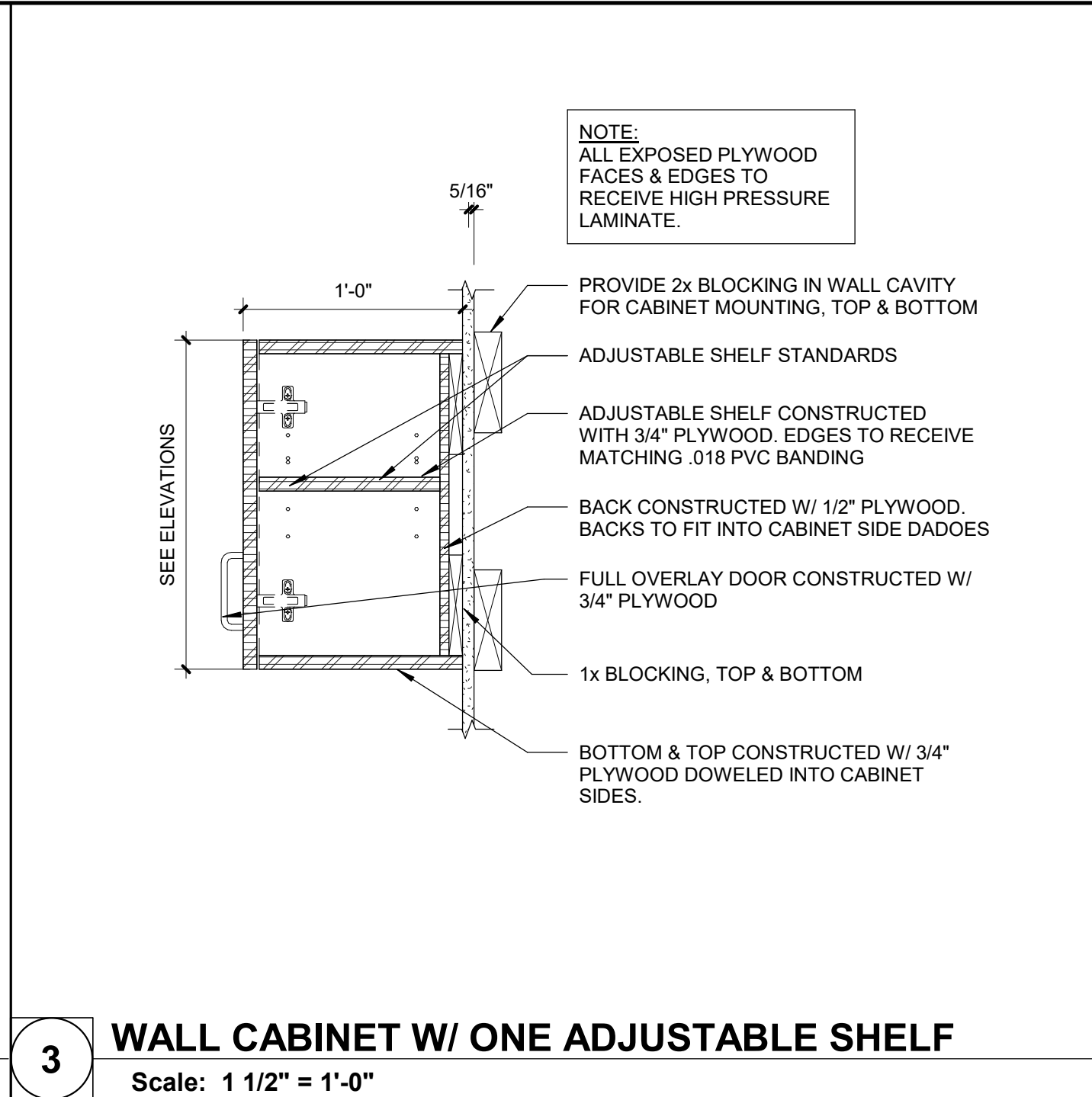
6 WALL CABINET W/ TWO ADJUSTABLE SHELVES  
Scale: 1 1/2" = 1'-0"



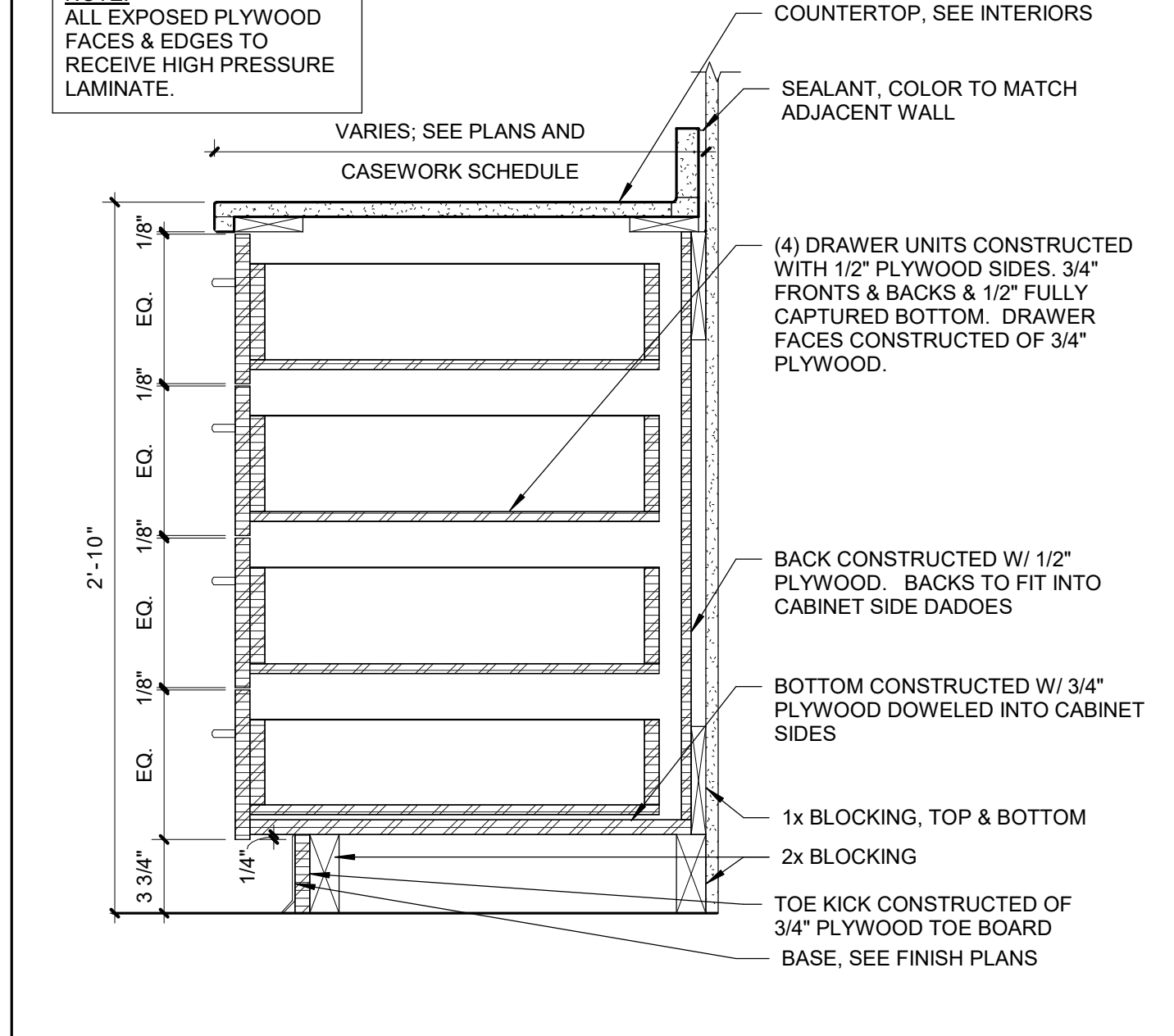
5 BASE CABINET W/ ONE DOOR  
Scale: 1 1/2" = 1'-0"



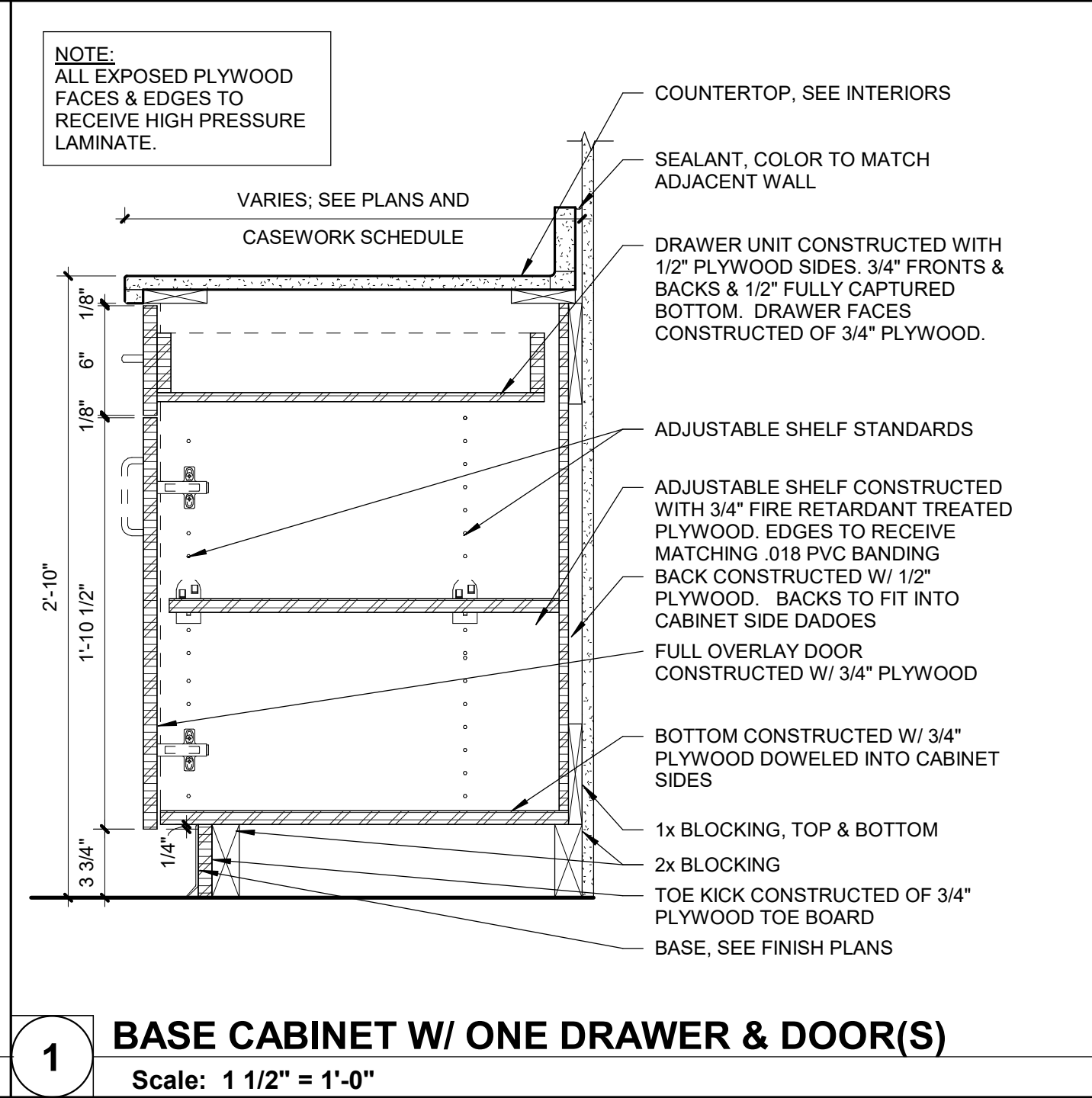
4 BASE CABINET W/ 3 EQUAL DRAWERS  
Scale: 1 1/2" = 1'-0"



3 WALL CABINET W/ ONE ADJUSTABLE SHELF  
Scale: 1 1/2" = 1'-0"

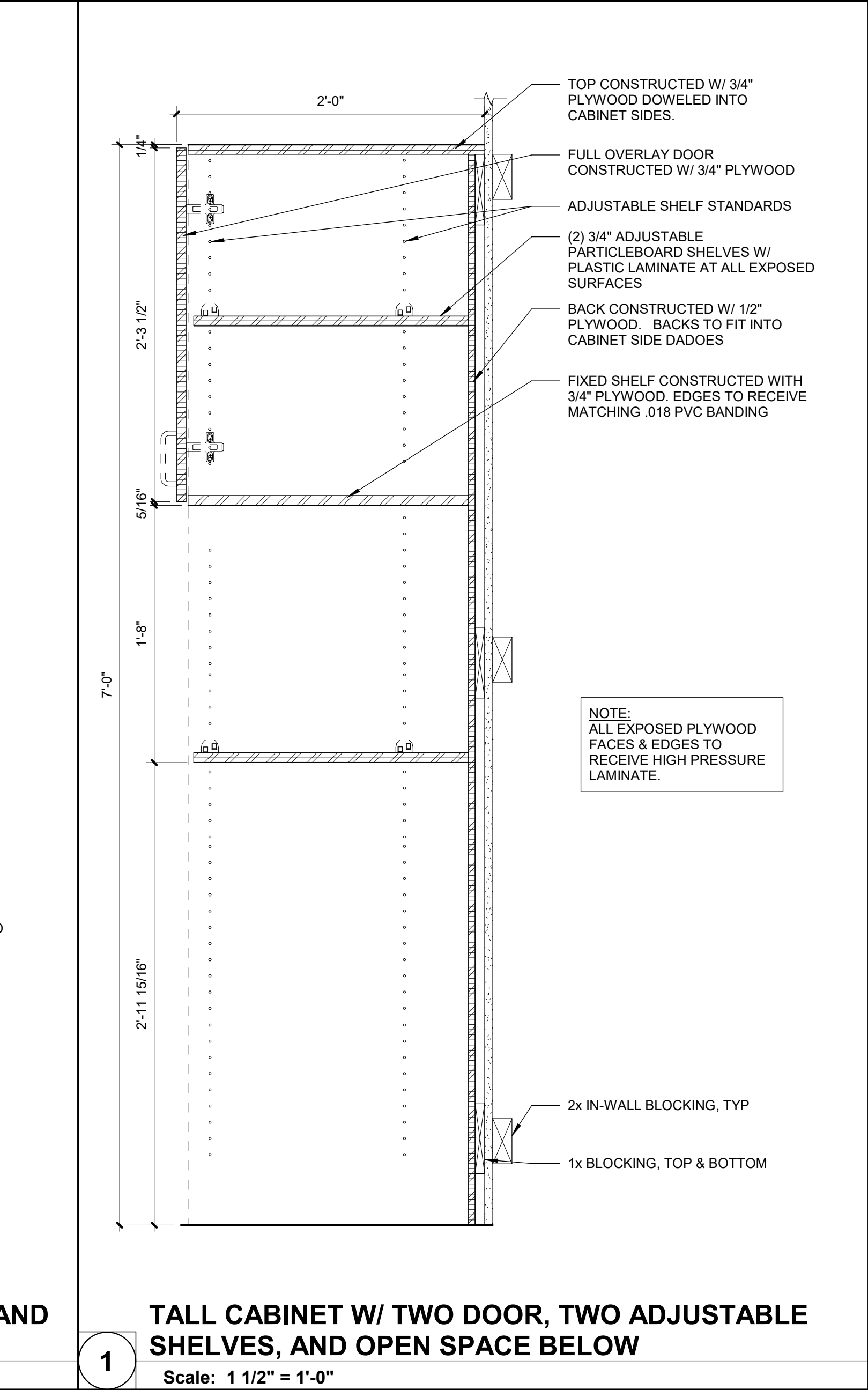
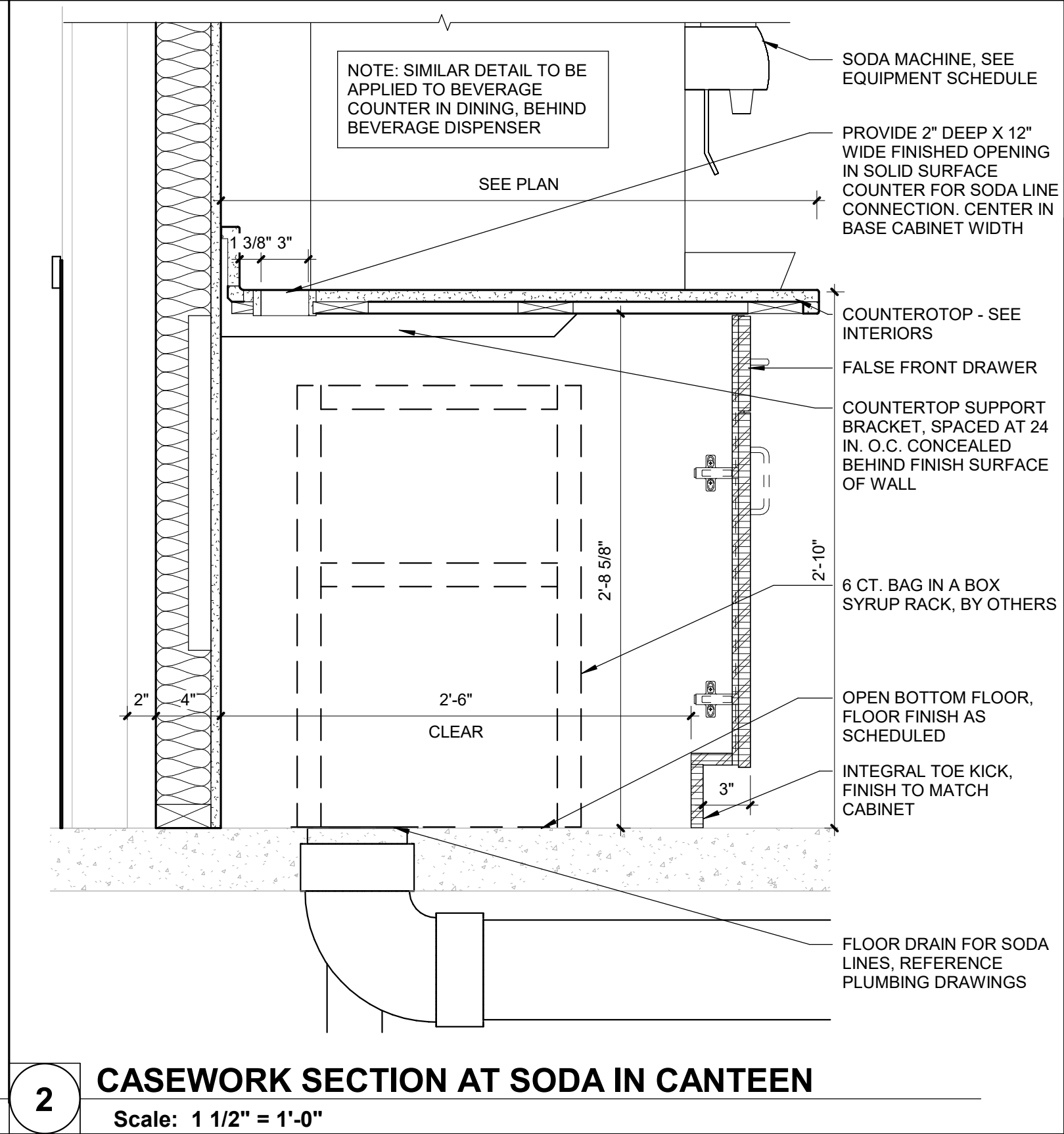
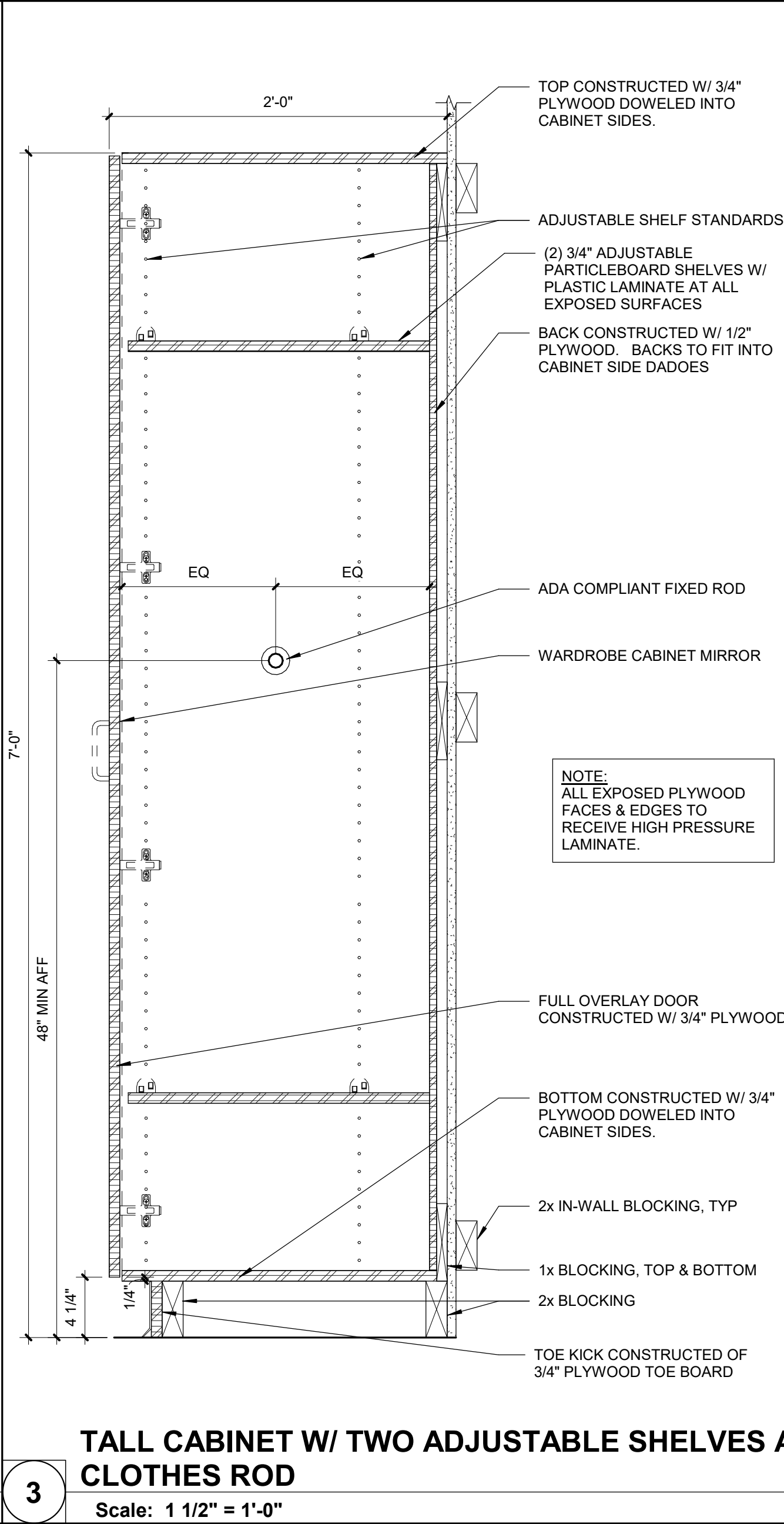
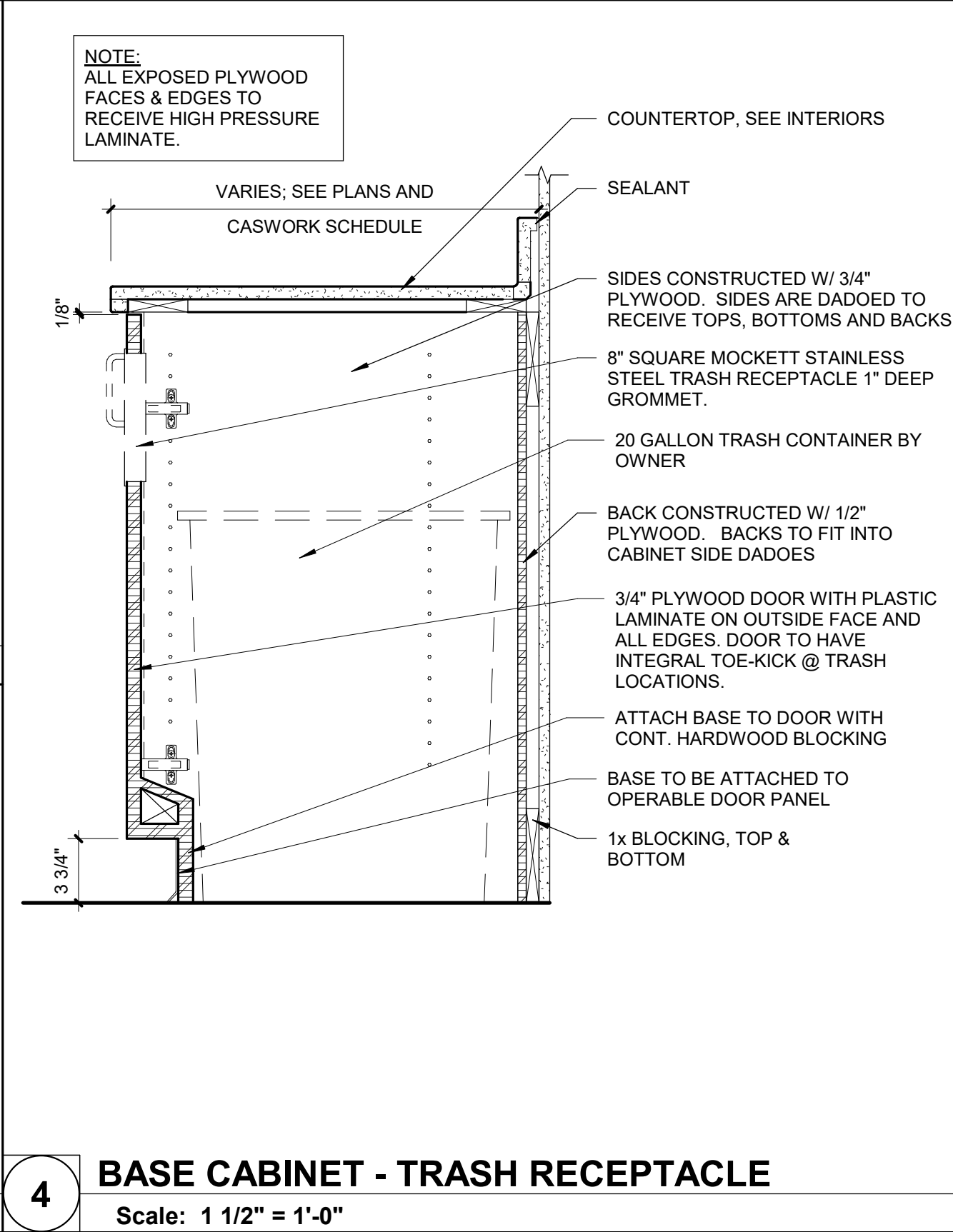
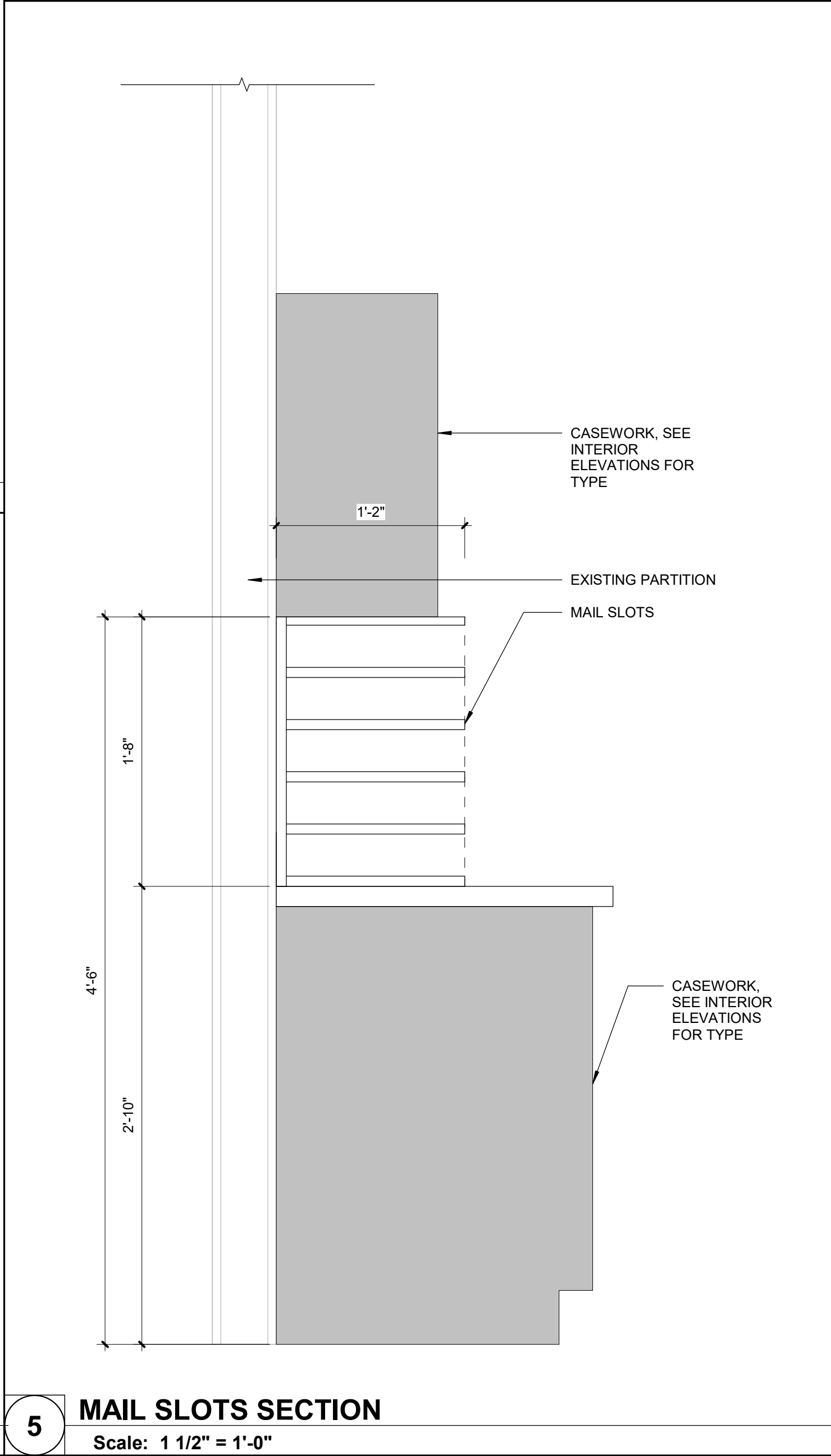
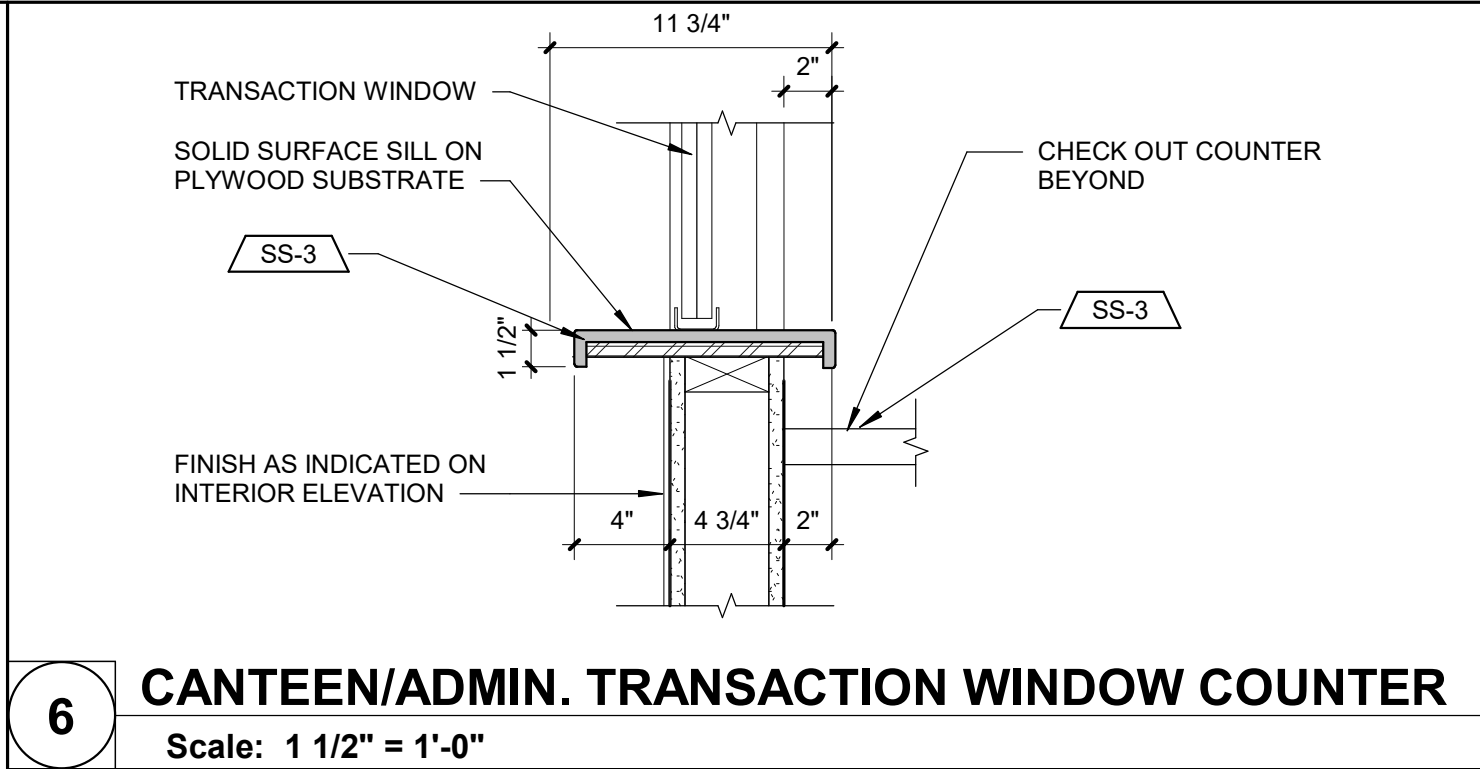
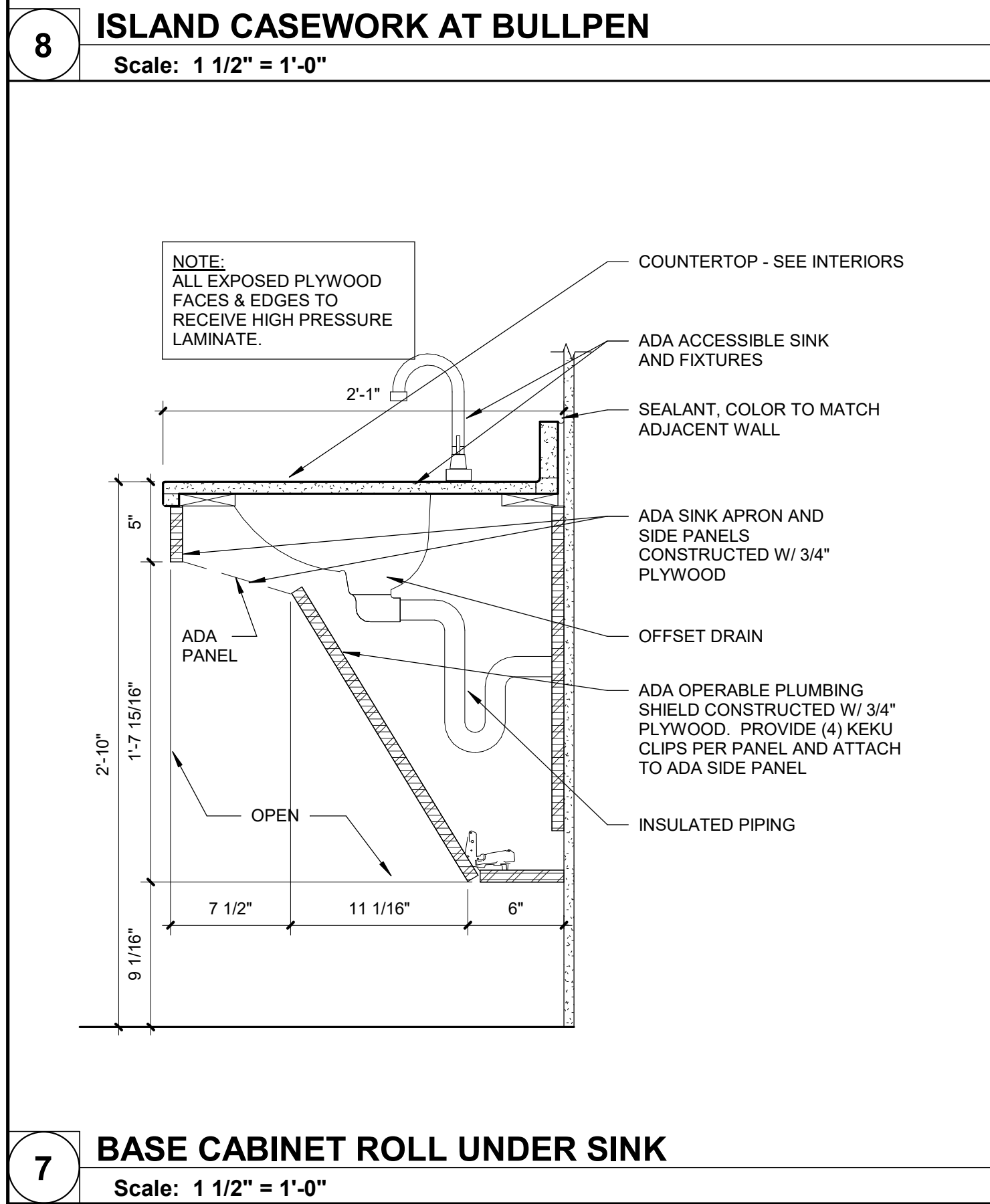
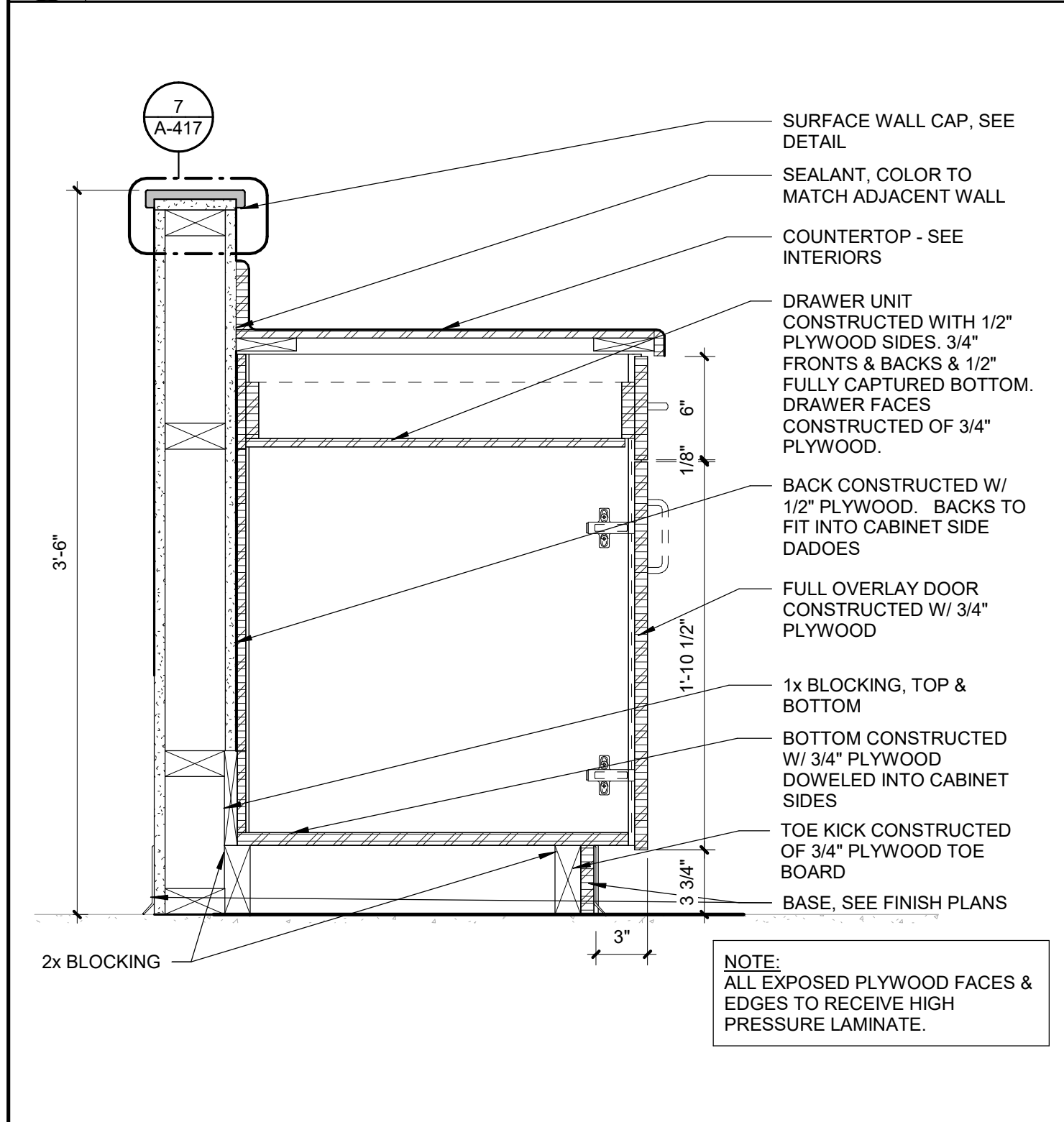
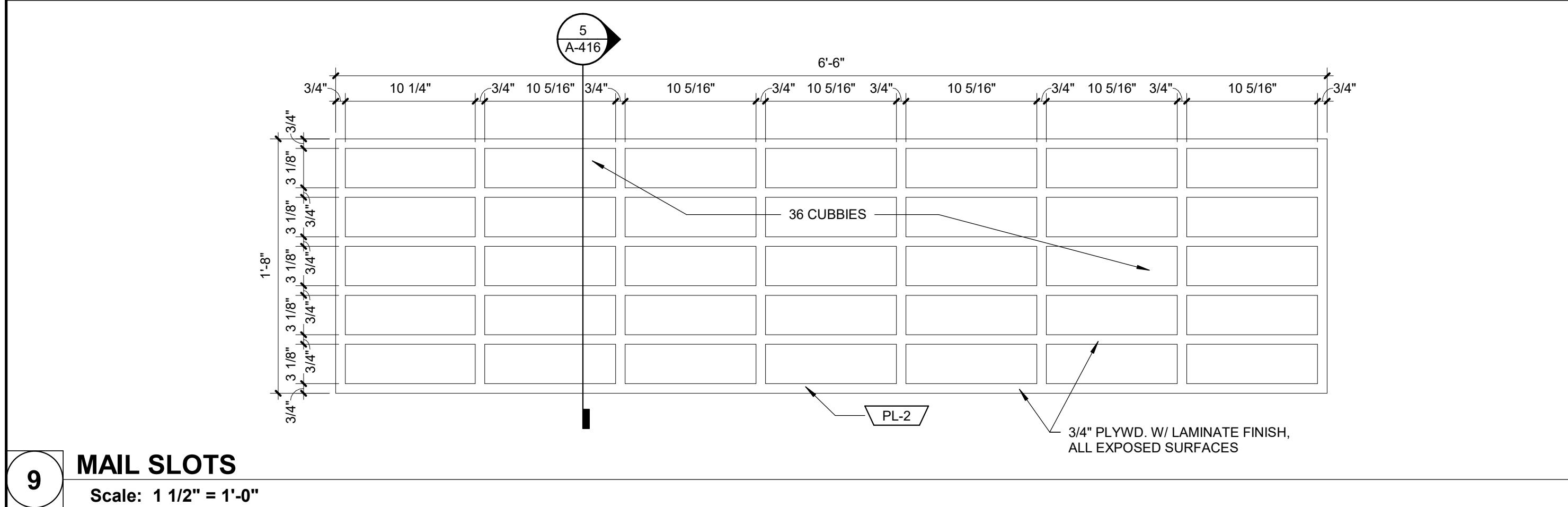


2 BASE CABINET W/ 4 EQUAL DRAWERS  
Scale: 1 1/2" = 1'-0"



1 BASE CABINET W/ ONE DRAWER & DOOR(S)  
Scale: 1 1/2" = 1'-0"





STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SLB  
CHECKED BY: NRB  
DESIGNED BY: JUH

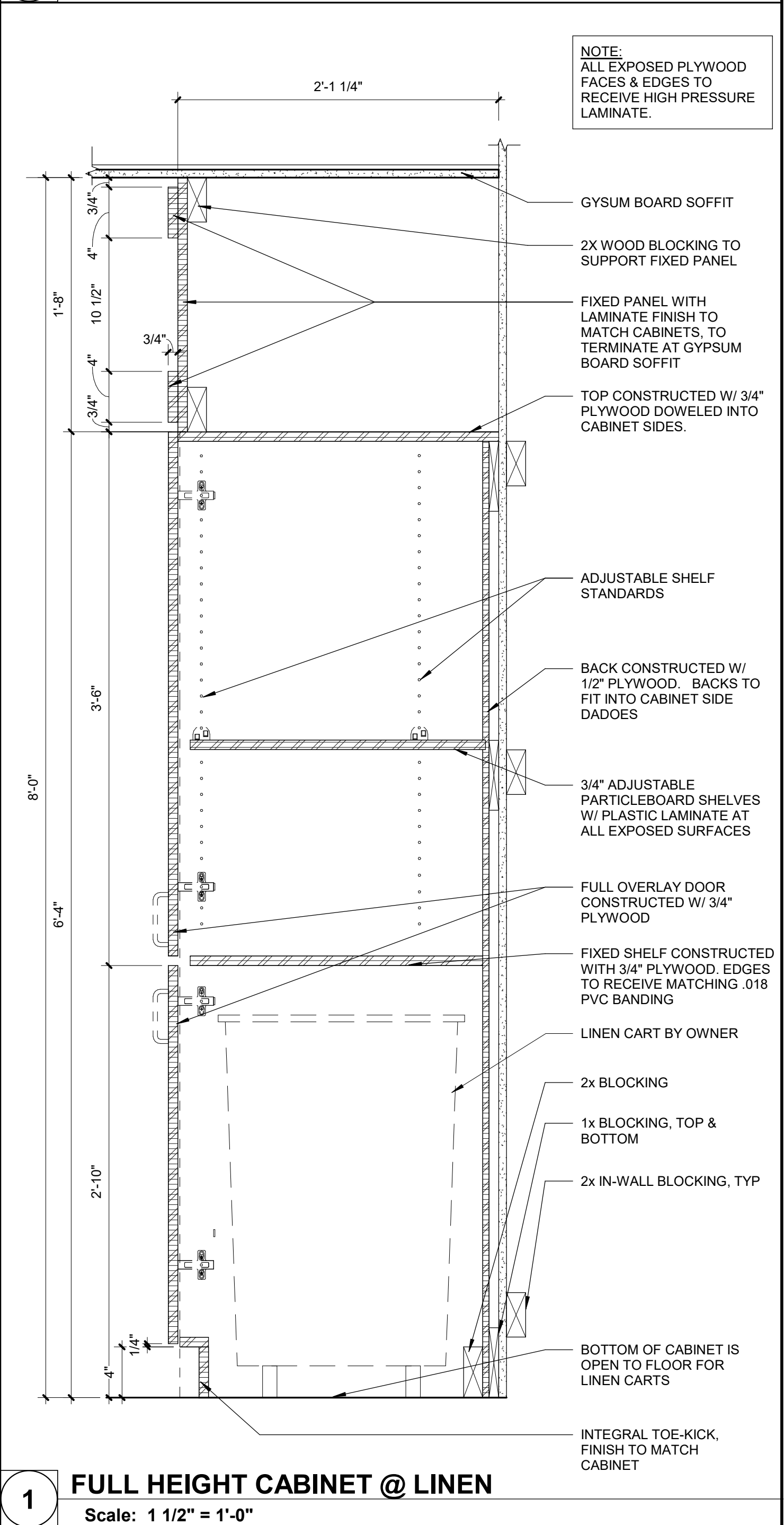
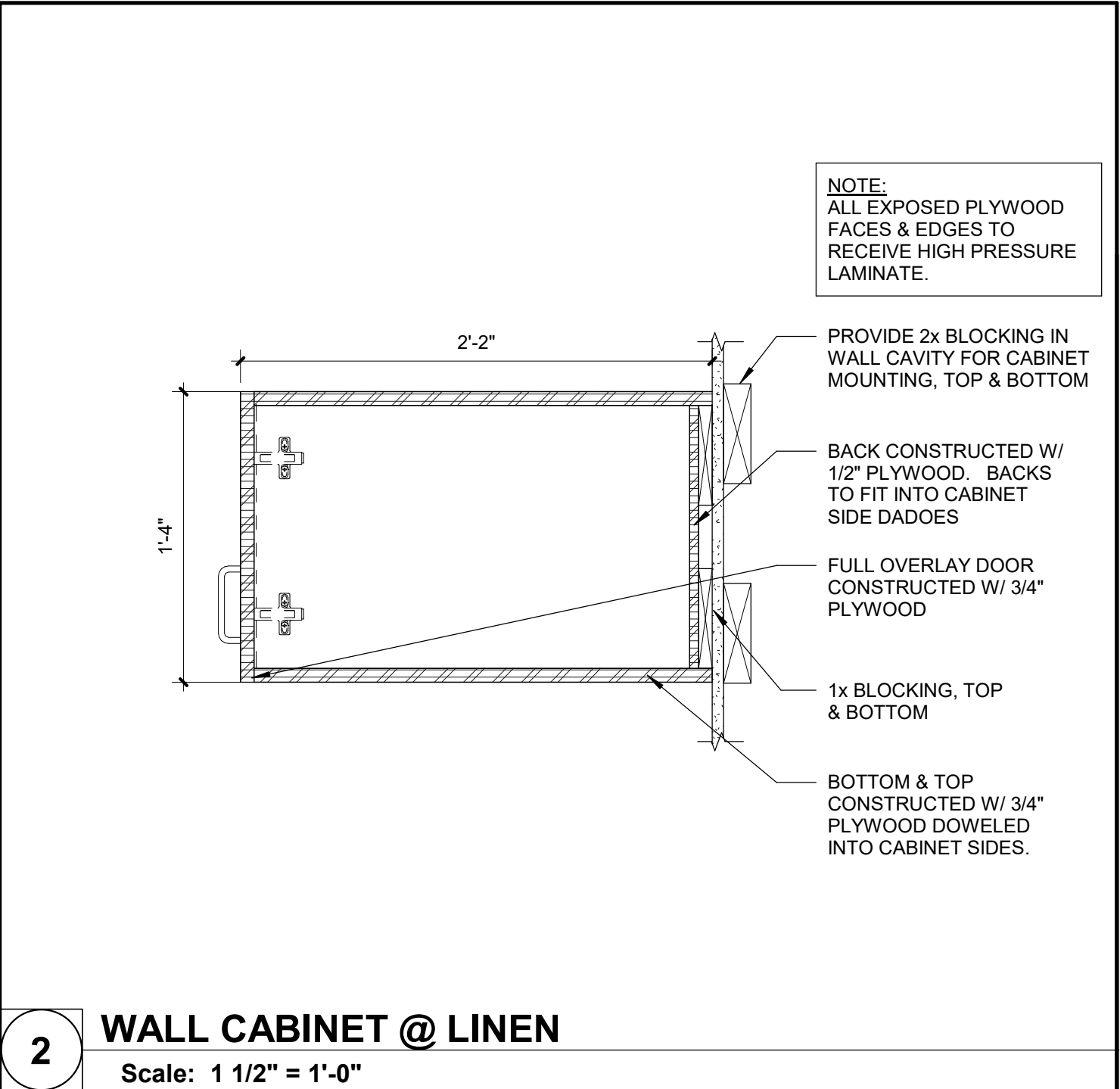
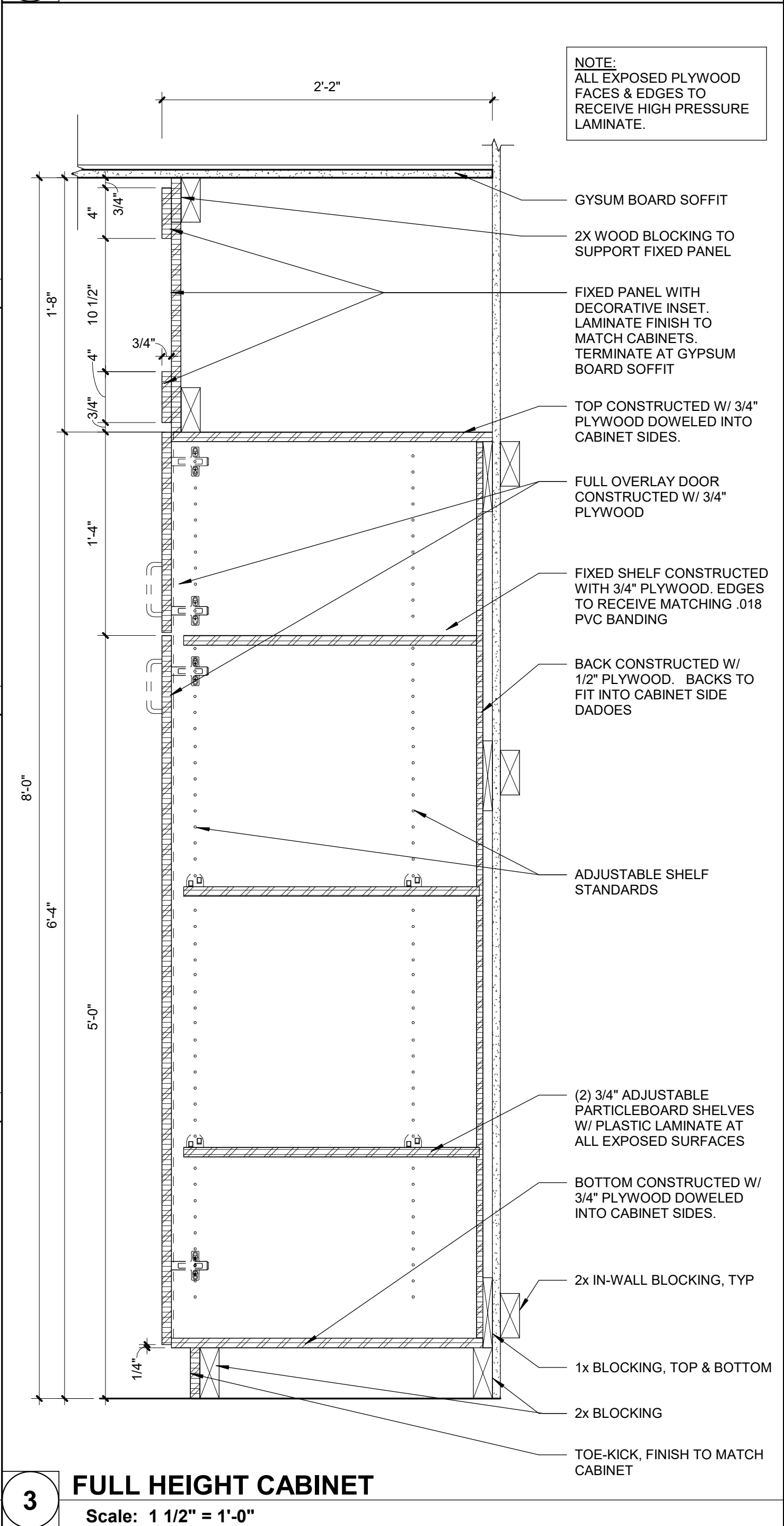
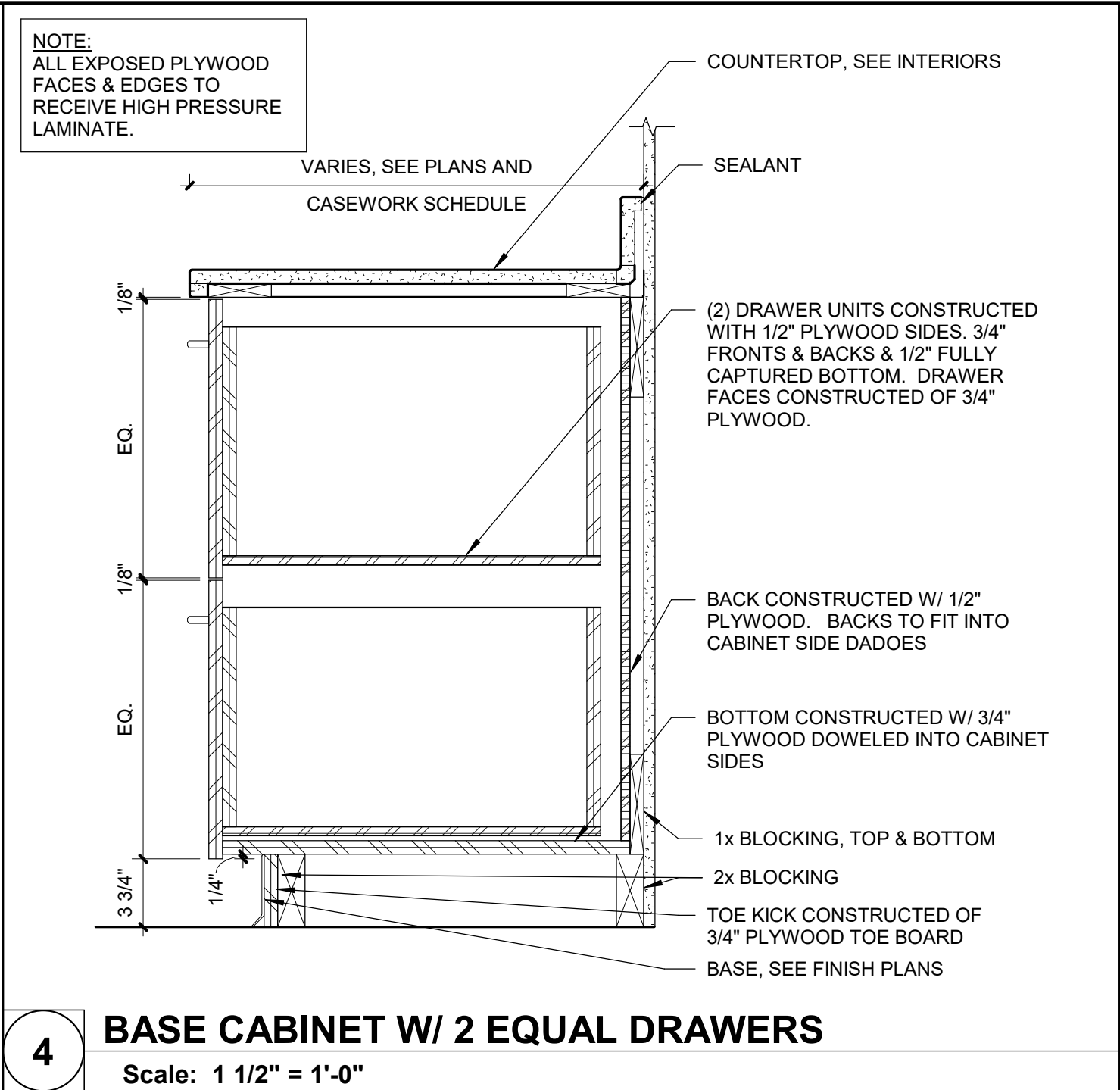
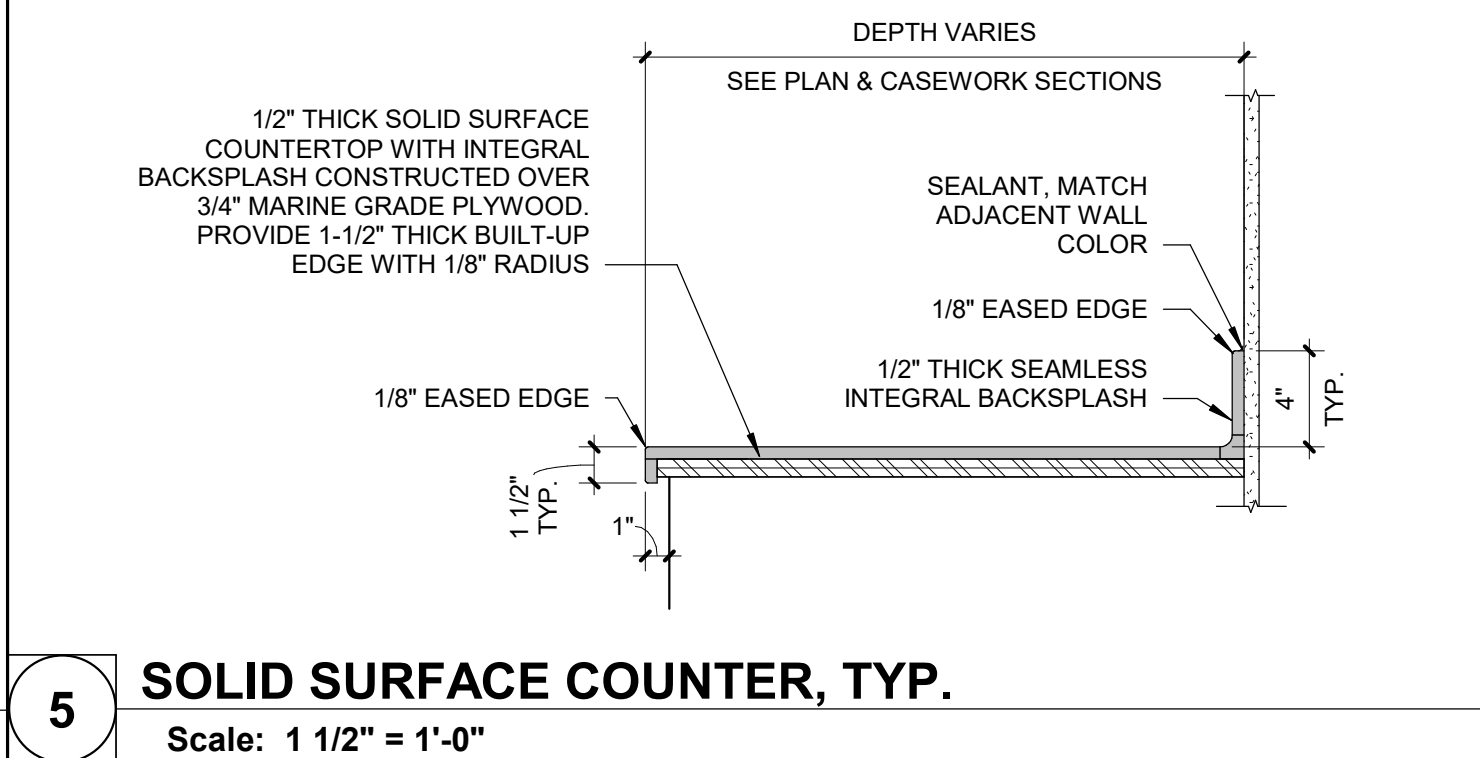
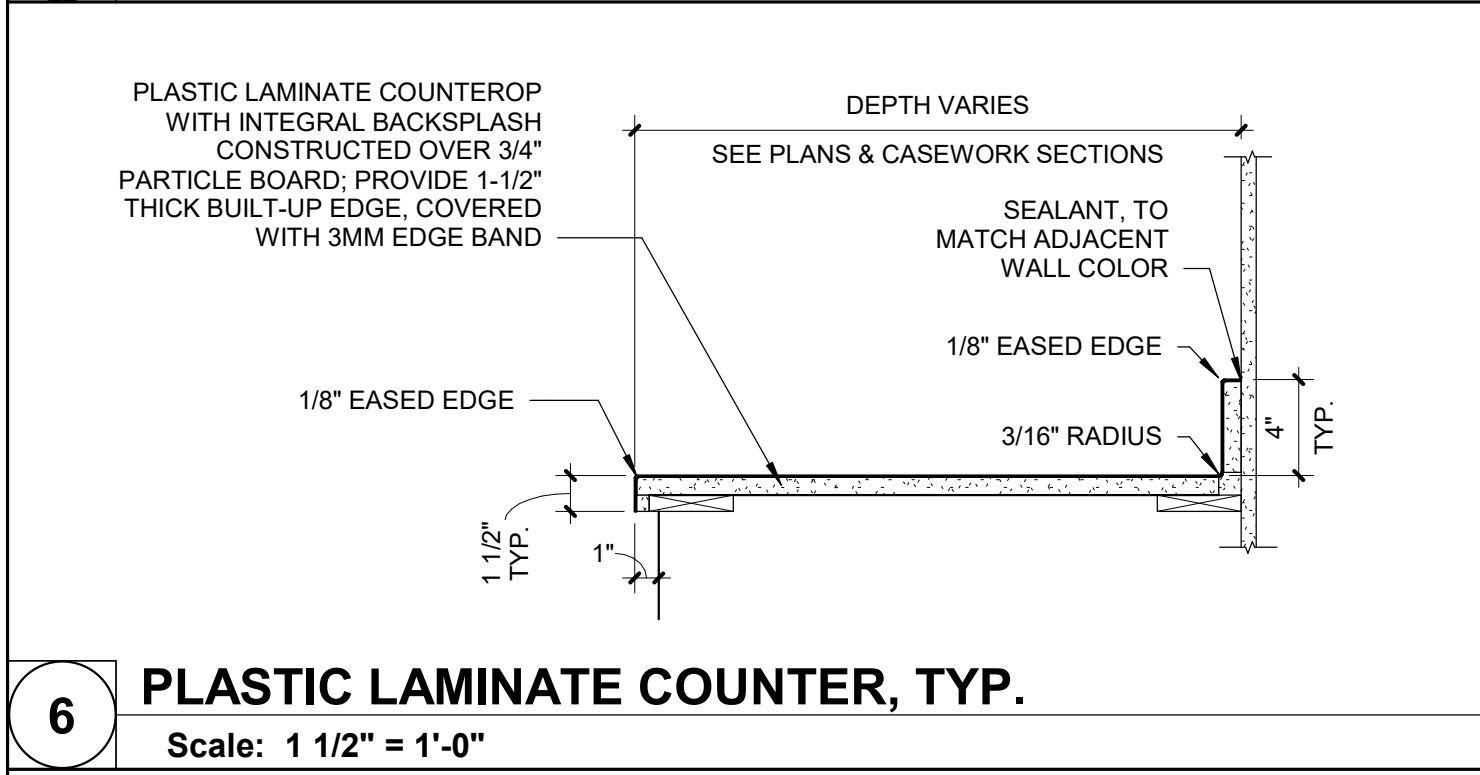
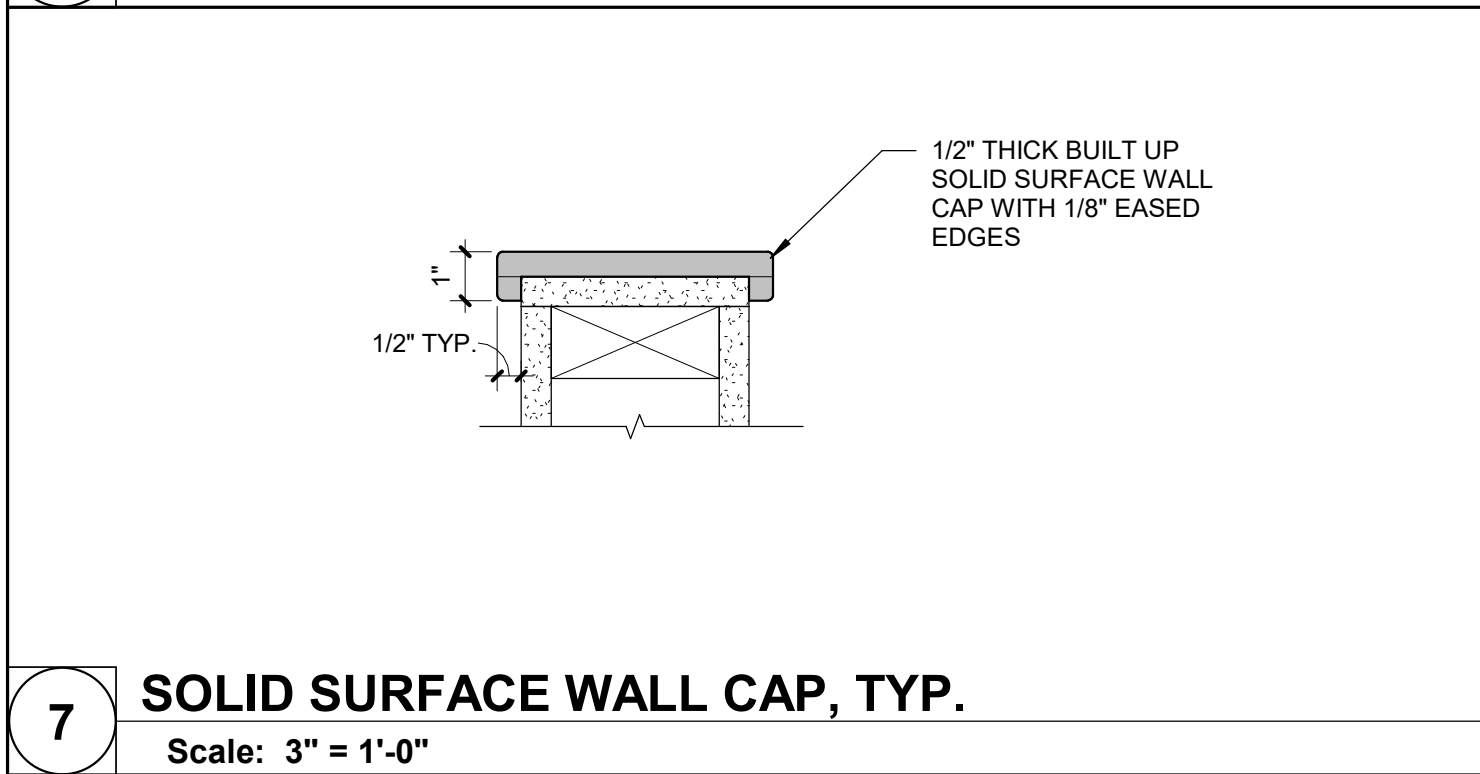
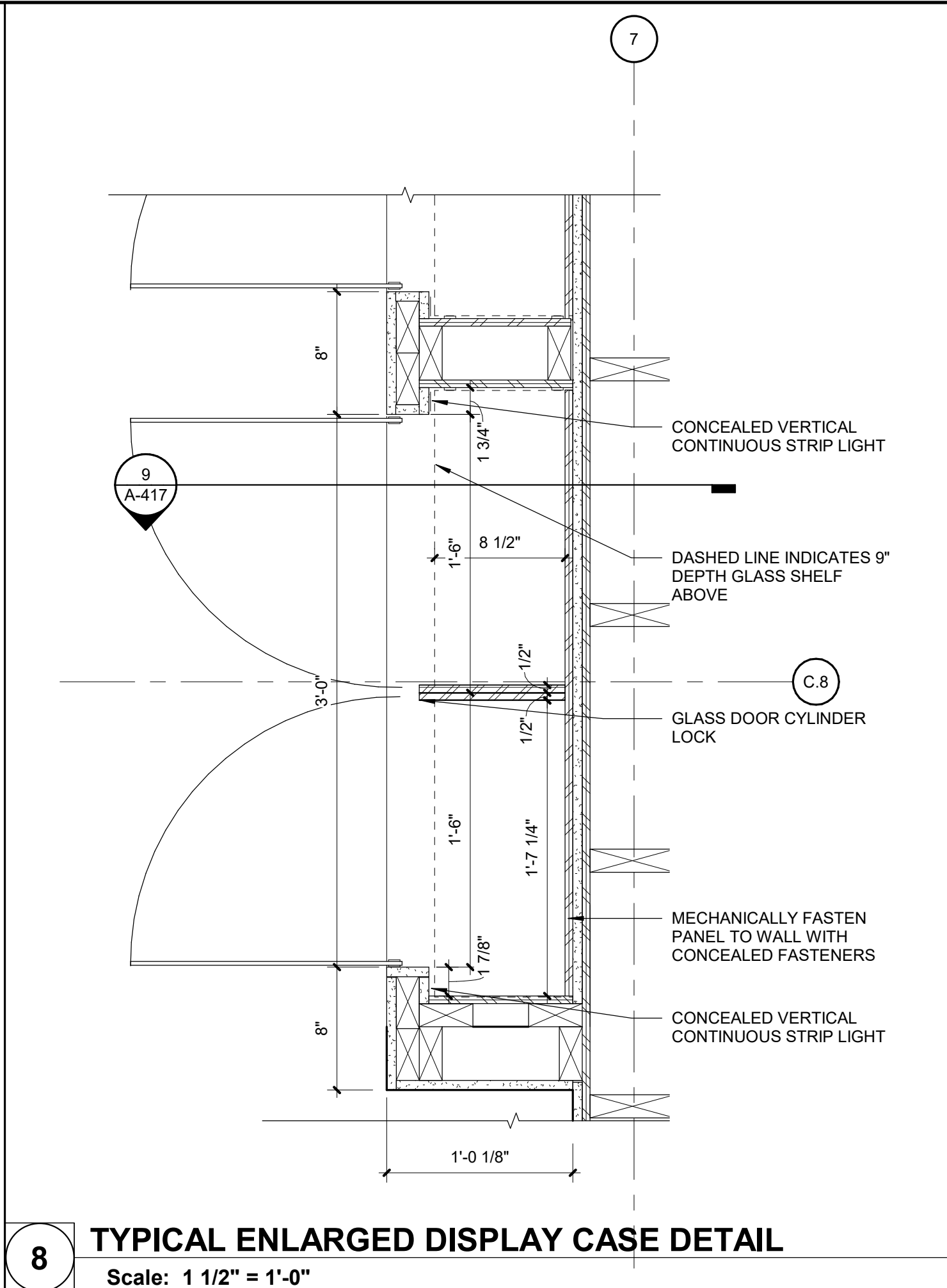
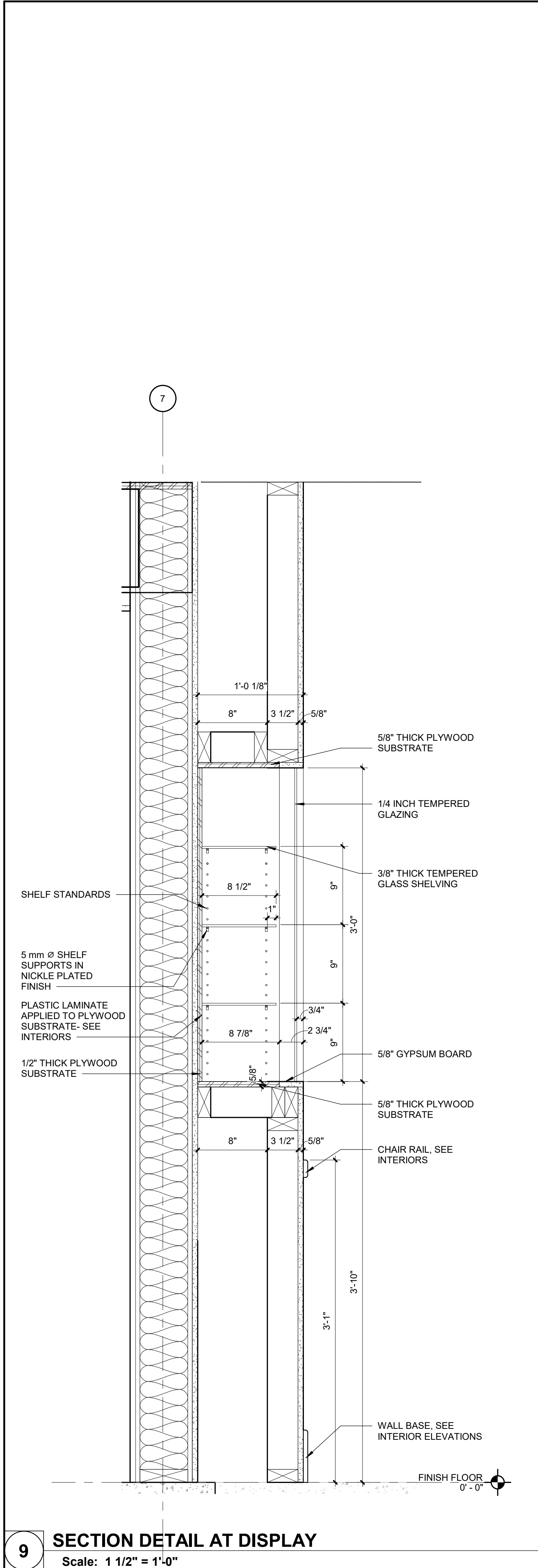
SHEET TITLE:  
**CASEWORK DETAILS**

SHEET NUMBER:  
**A-416**

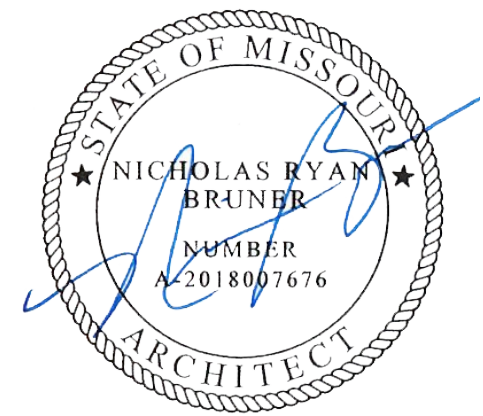
SHEET 80 OF 197  
ISSUE DATE: 08/15/2024

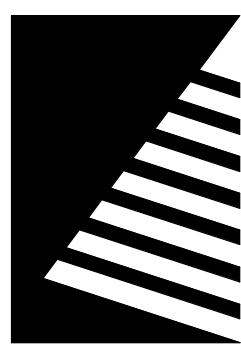


8/15/2024 10:35:02 AM



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR

  
Dated: 08/15/2024

  
**Farnsworth**  
GROUP  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
ASSET #: 8136803002  
FAI #: 29-043  
# DATE: DESCRIPTION:

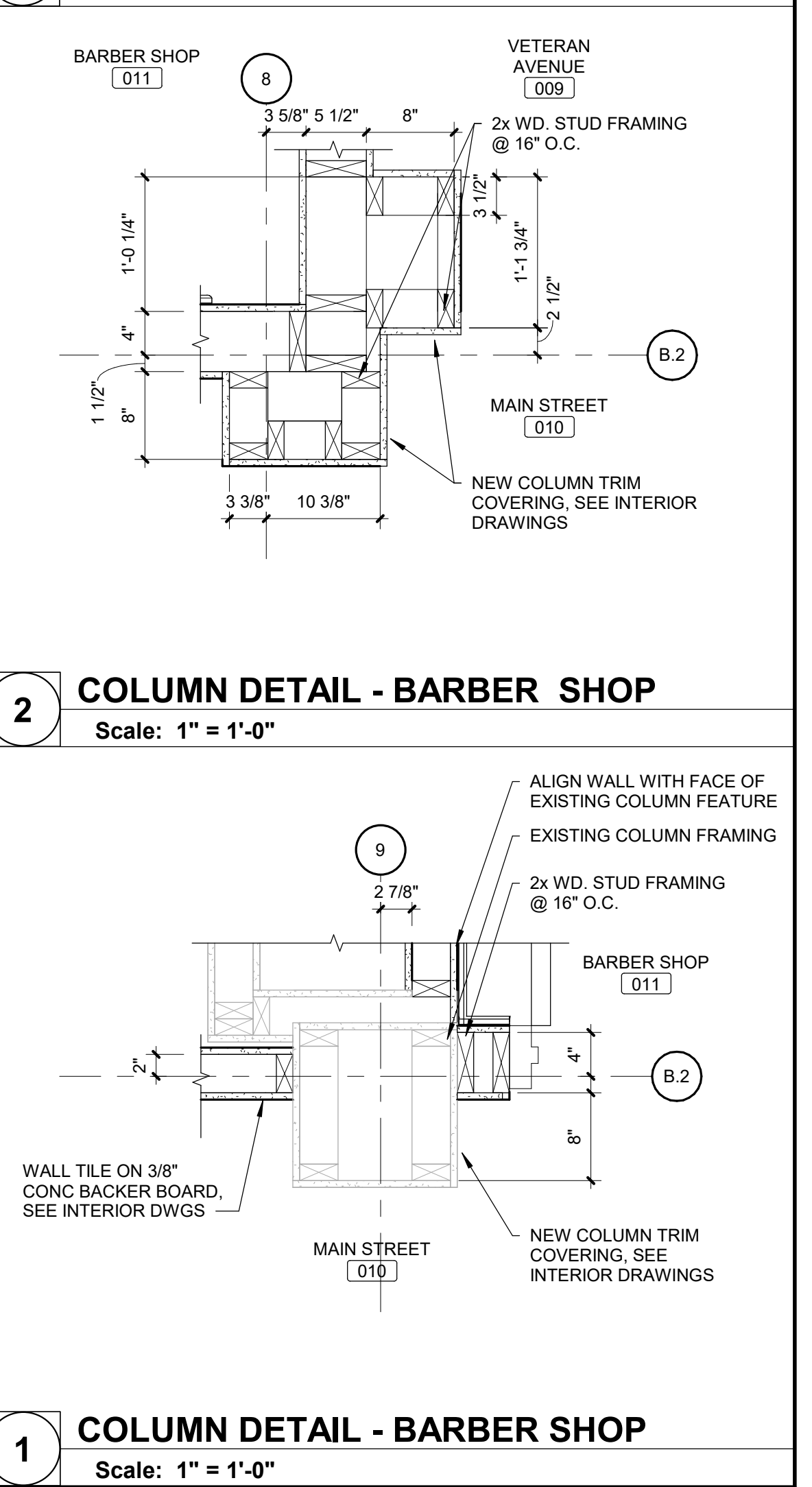
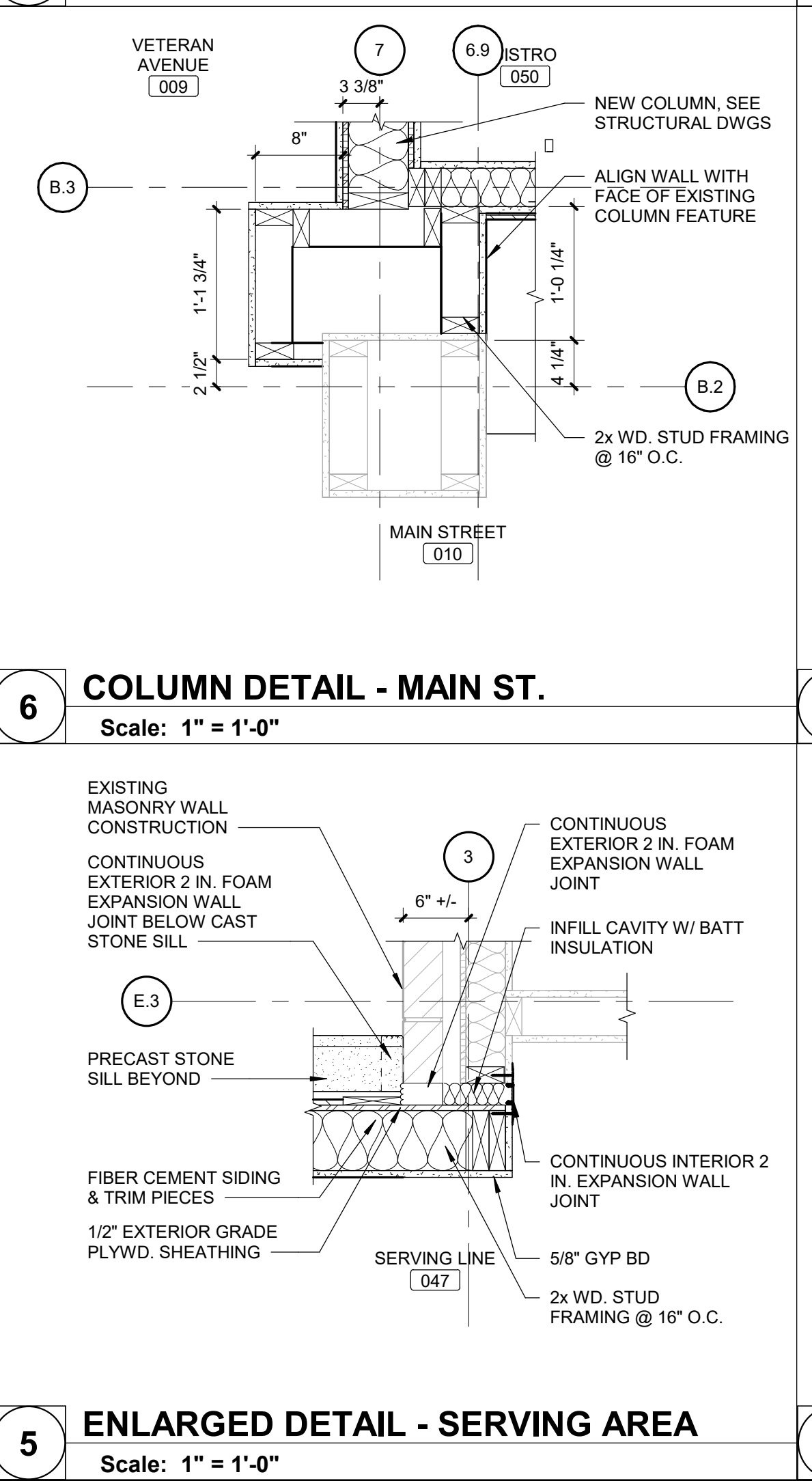
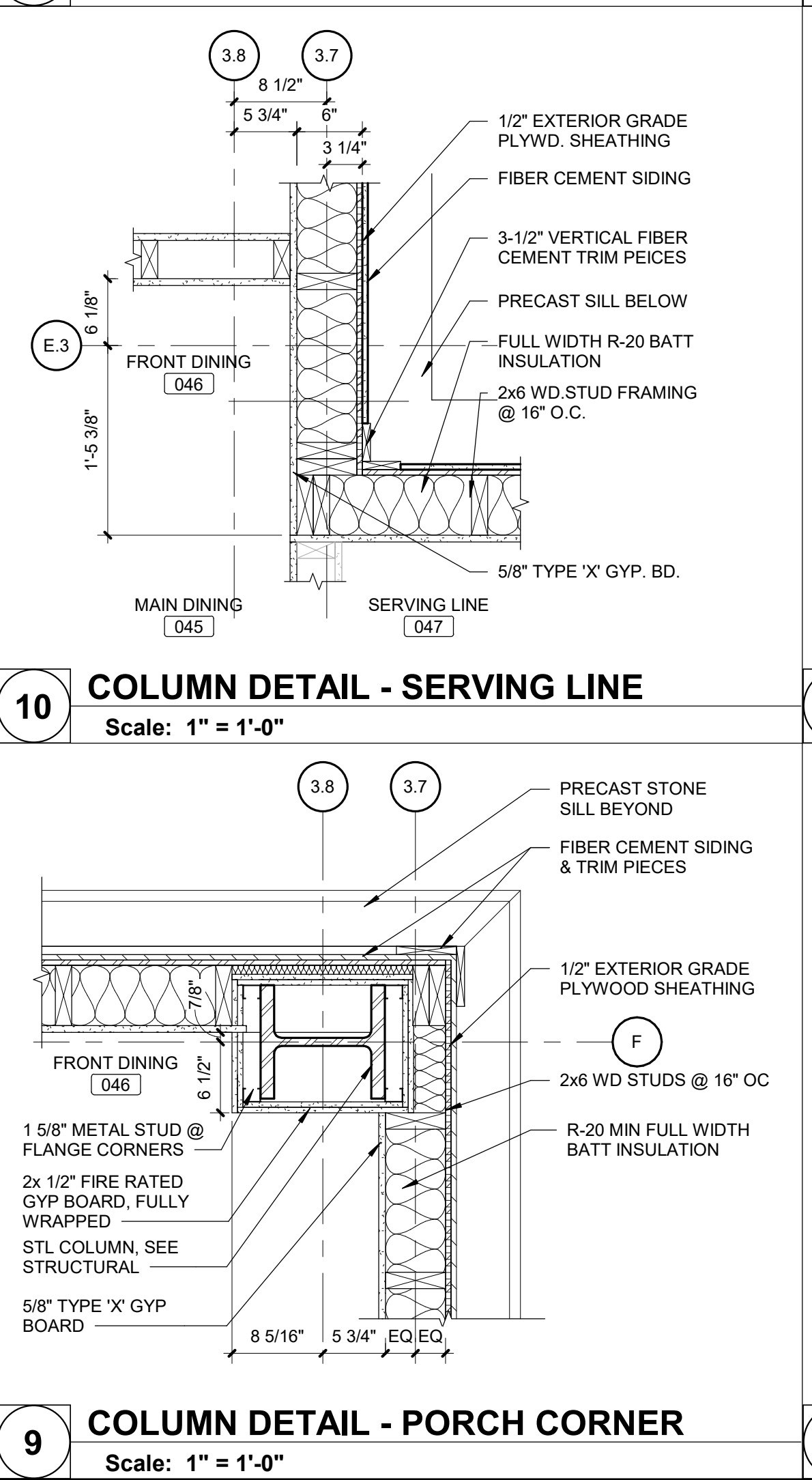
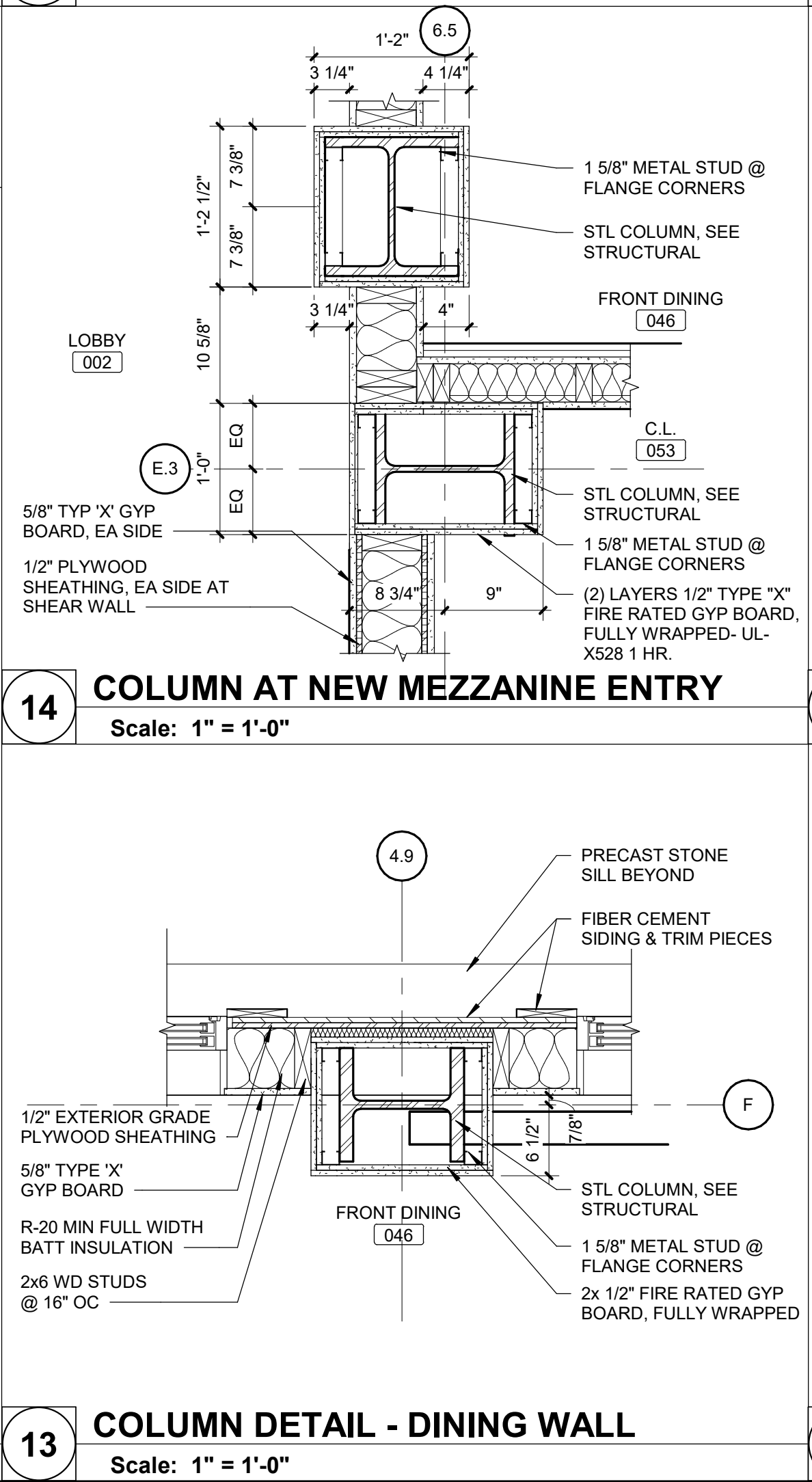
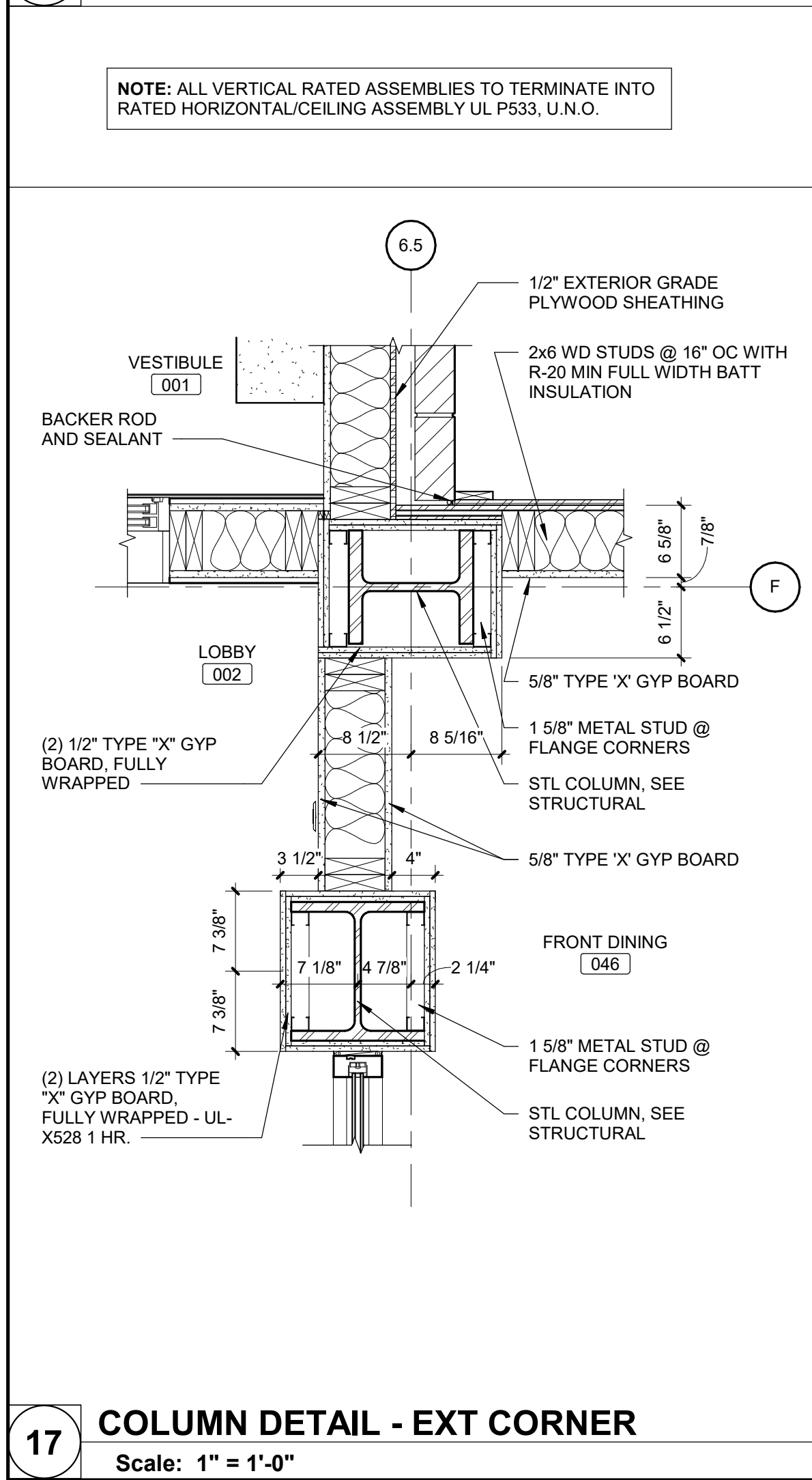
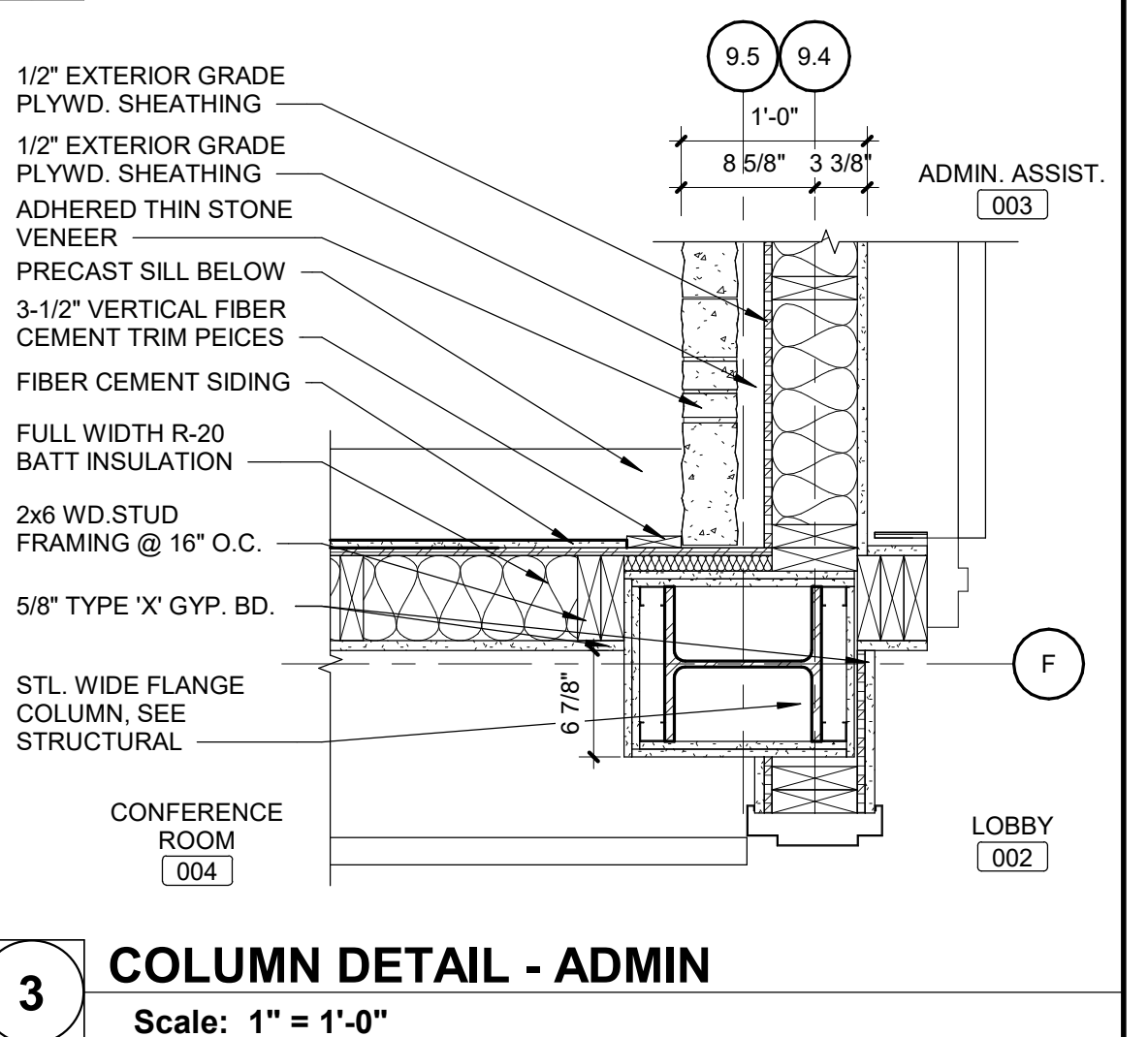
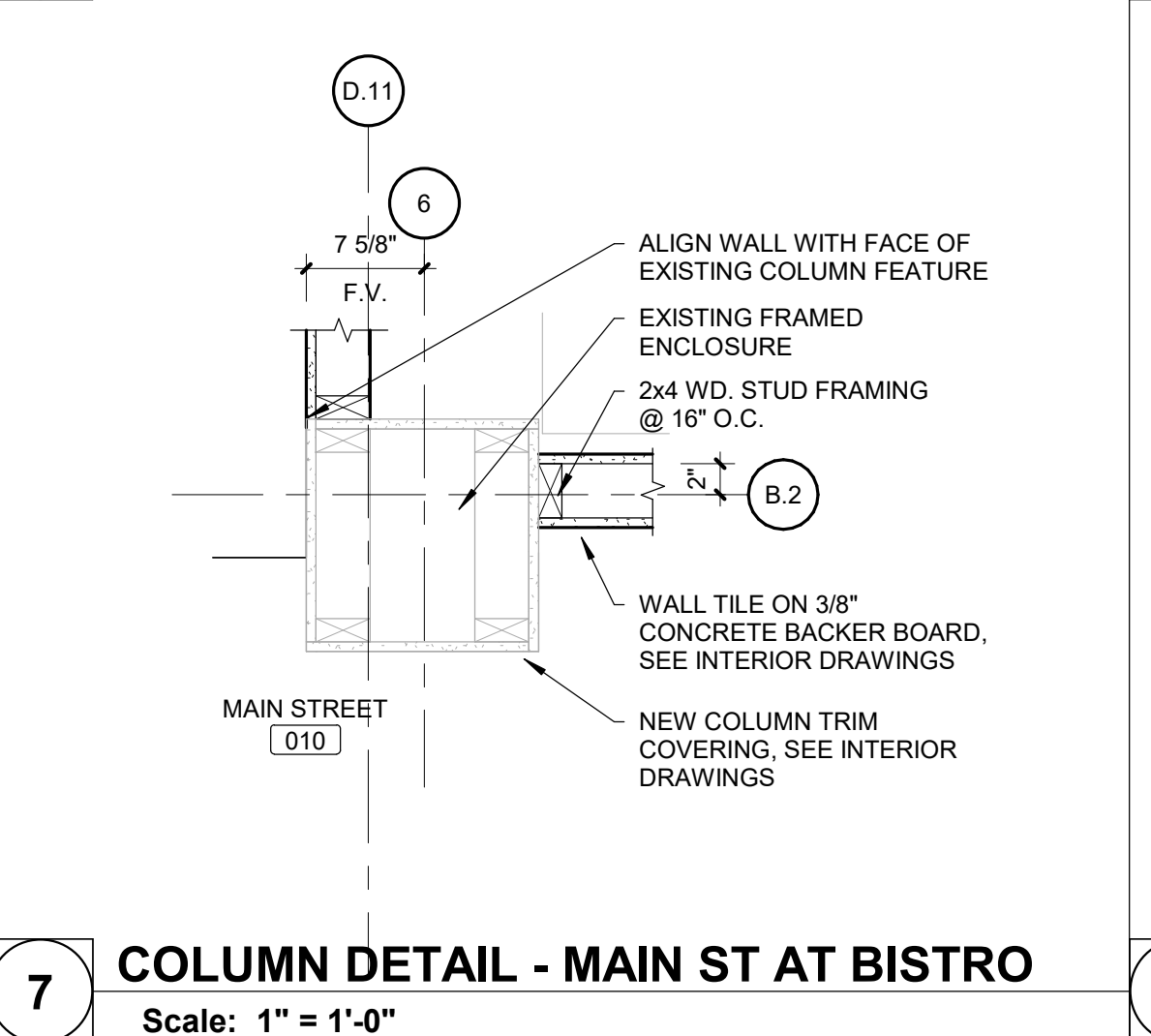
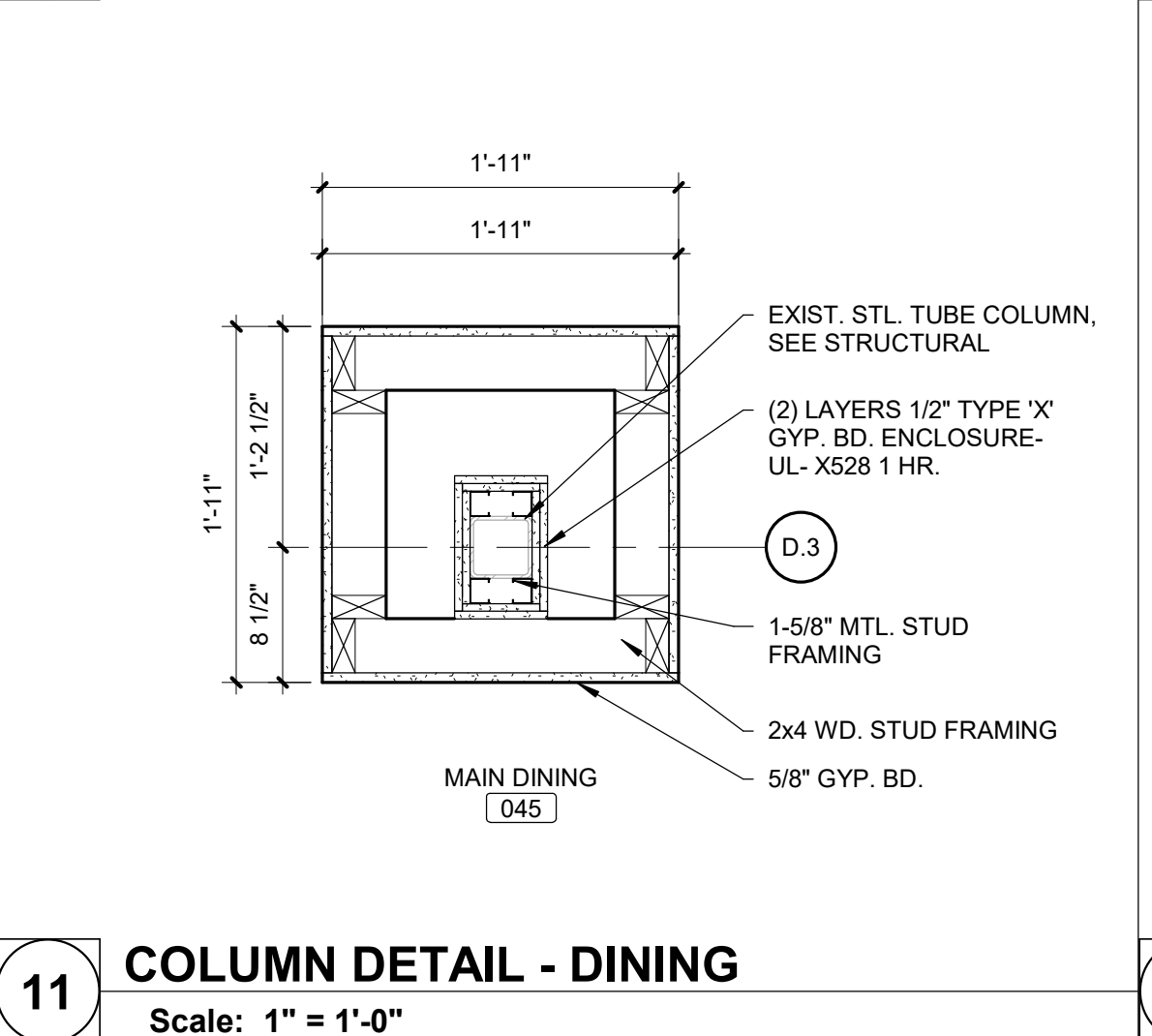
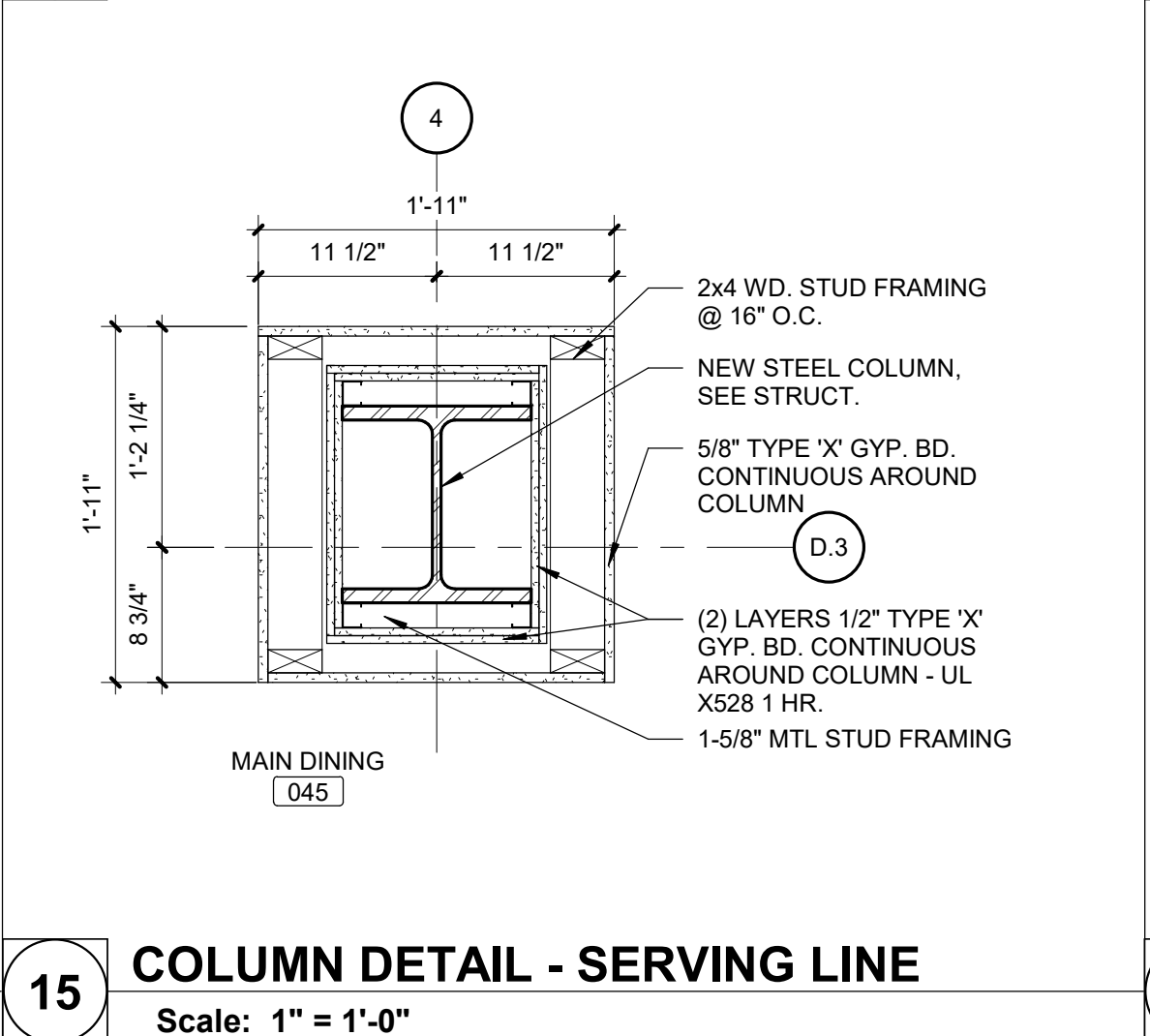
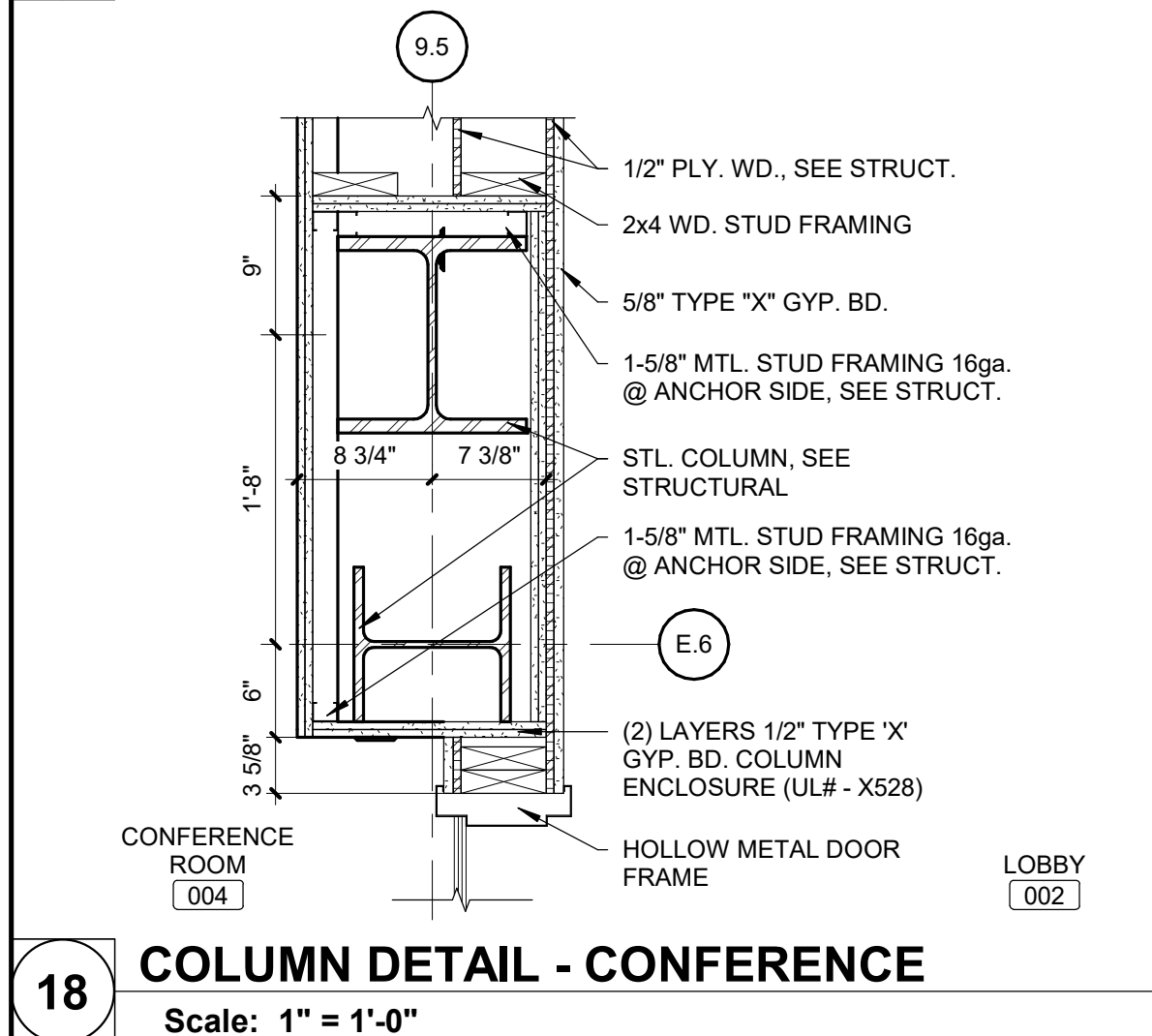
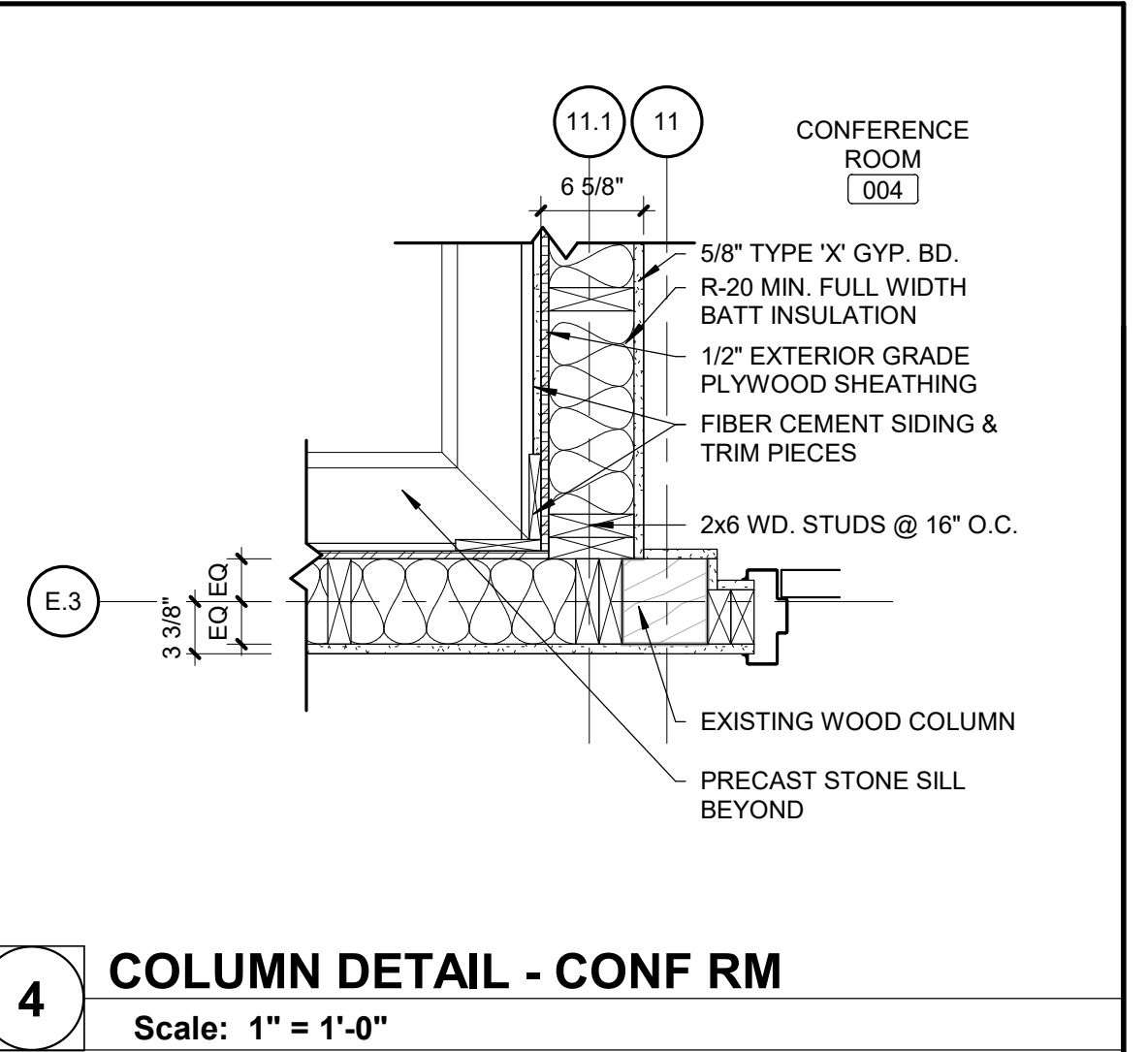
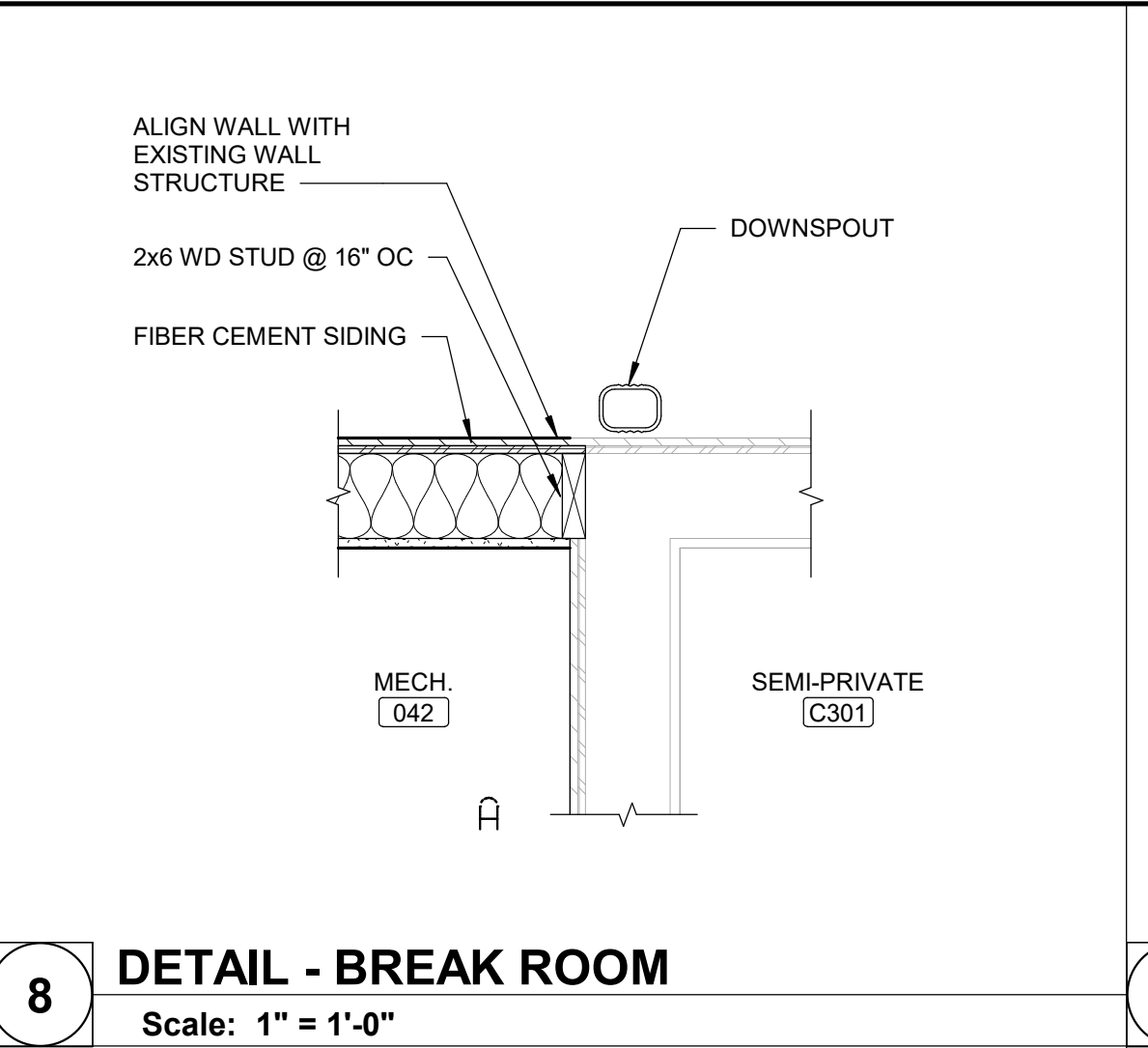
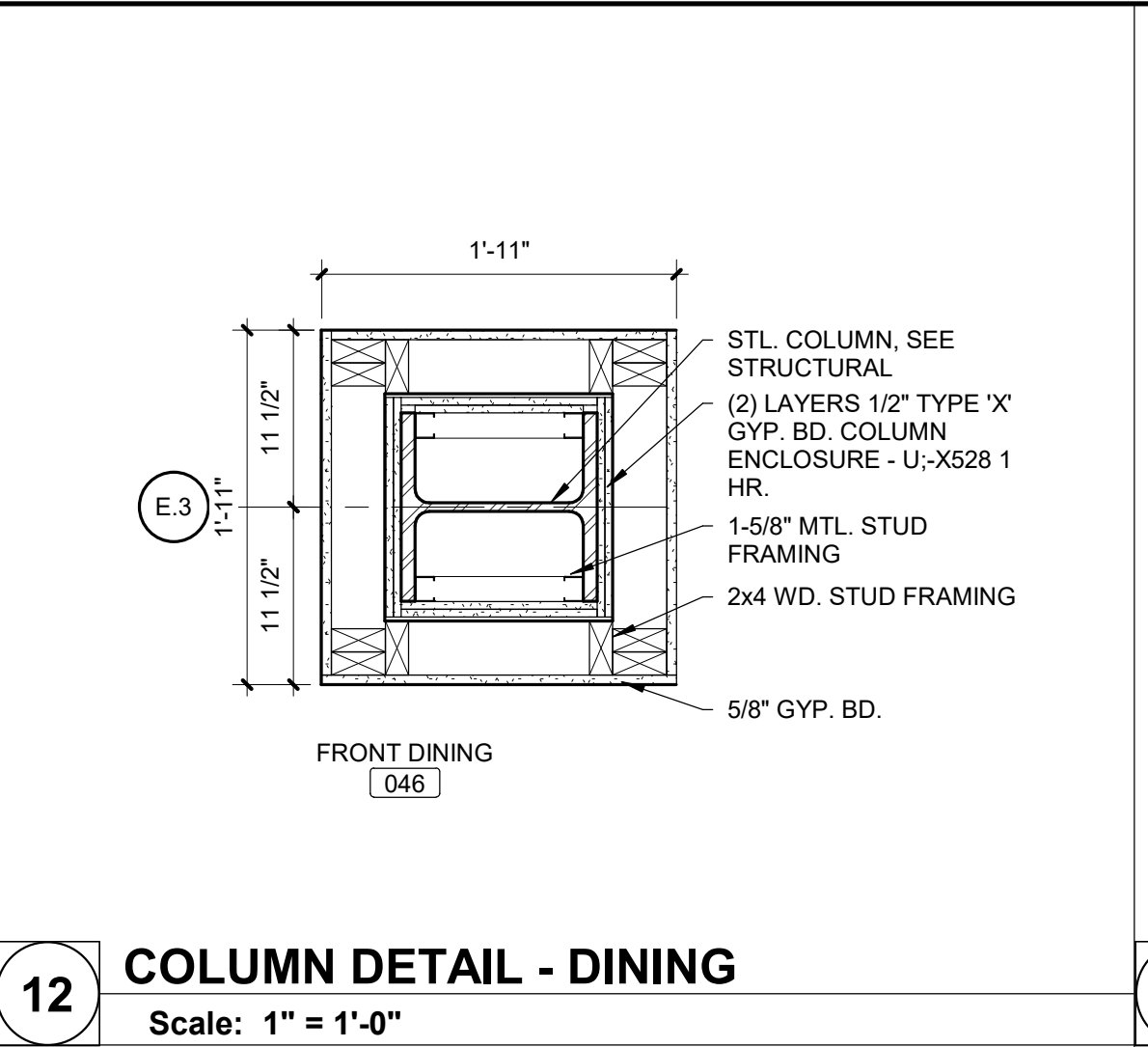
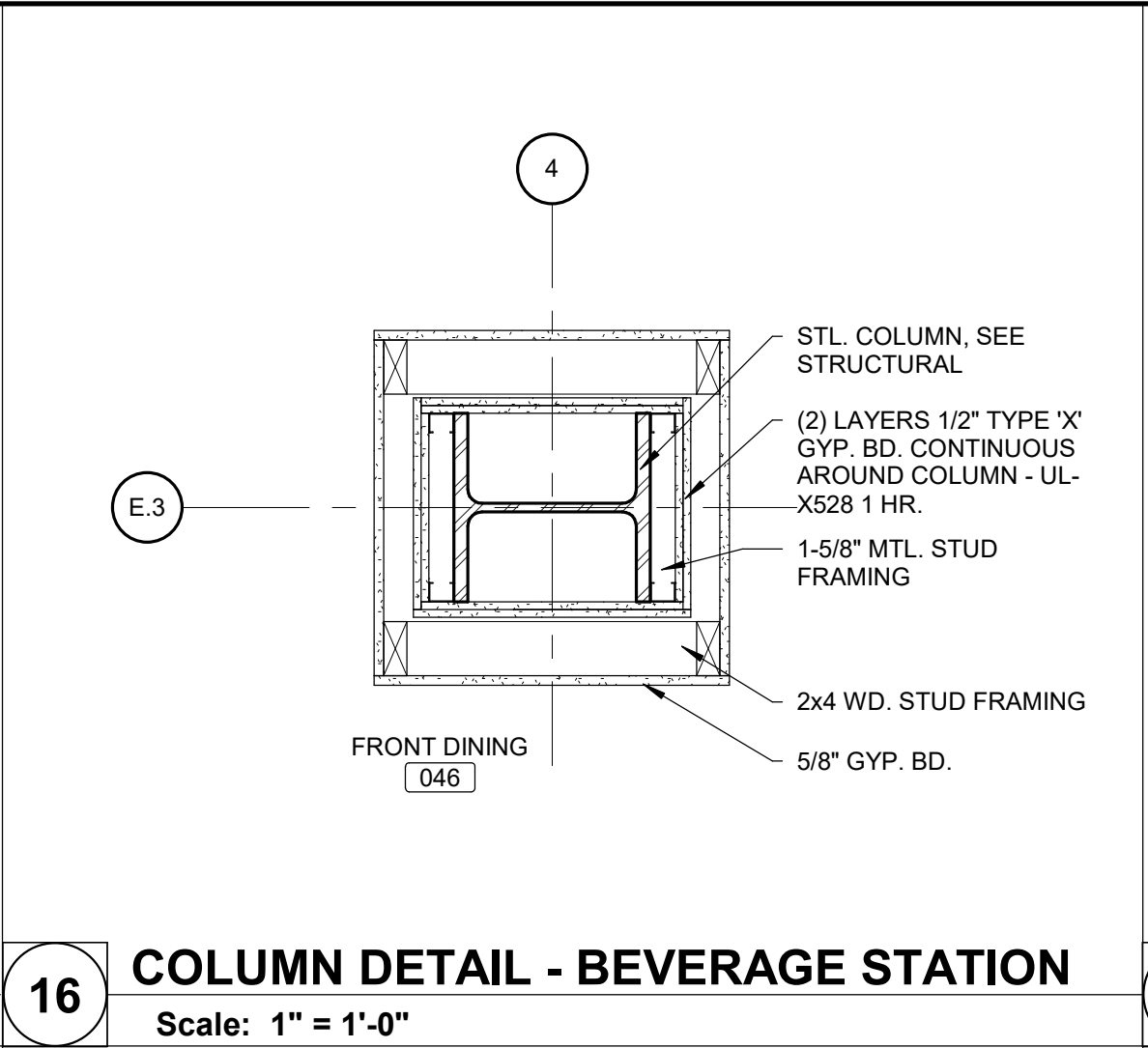
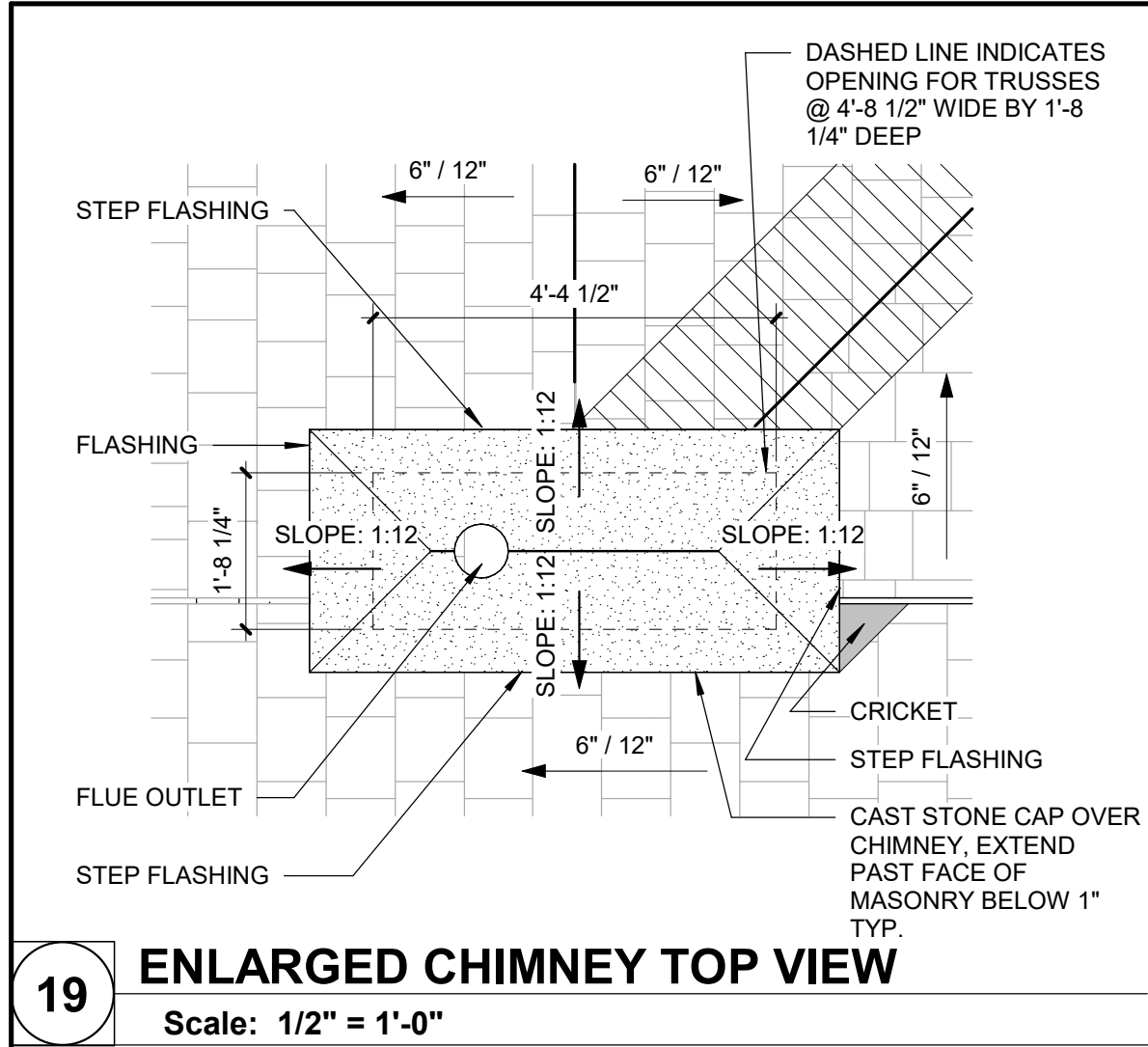
DRAWN BY: KMM  
CHECKED BY: NRB  
DESIGNED BY: NRB

SHEET TITLE:  
**CASEWORK DETAILS**

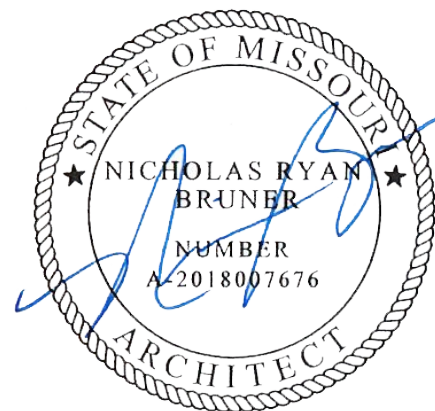
SHEET NUMBER:  
**A-417**

SHEET 81 OF 197  
ISSUE DATE: 08/15/2024

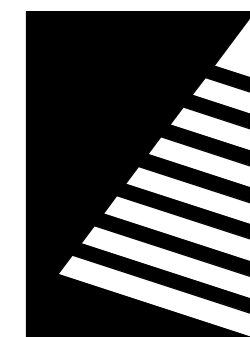




STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: THM  
CHECKED BY: NRB  
DESIGNED BY: JH

SHEET TITLE:

**ENLARGED PLAN  
DETAILS**

SHEET NUMBER:

**A-501**

SHEET 82 OF 197  
ISSUE DATE: 08/15/2024



DOOR SCHEDULE																
DOOR							DOOR FRAME			HEAD	JAMB	THRESH	LBL	HDWR SET	REMARKS	
NO.	WIDTH	HEIGHT	THICK	MAT'L	FINISH	ELEV	MAT'L	FINISH	ELEV	DETAIL NO.	DETAIL NO.	DETAIL NO.				
001A	6'-0"	7'-0"	1 3/4"	AL	PF	SG	AL	PF	SG	20/A-602	19/A-602	18/A-602		28.0	5	
001B	6'-0"	7'-0"	1 3/4"	AL	PF	SG	AL	PF	SG	88/A-602	3/A-602			28.0	5	
001C	3'-6"	7'-0"	1 3/4"	AL	PF	2-HG-W	AL	PF	SEE REMARK	7/A-602	2/A-602	12/A-602		1.0	5, 7	
003	3'-0"	7'-0"	1 3/4"	WD/GL	STN	HG	HM	PNT	1	6/A-602	1/A-602			14.0		
004A	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	3	6/A-602	1/A-602			15.0	1	
004B	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	3	6/A-602	1/A-602			15.0	1	
004C	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			15.0		
005	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		45	17.0		
006	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			14.0		
007	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			14.0		
008	3'-6"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	3	6/A-602	1/A-602			14.1		
011	3'-6"	7'-0"	1 3/4"	WD/GL	STN	HG	HM	PNT	6	6/A-602	1/A-602			16.0		
012	3'-6"	7'-0"	1 3/4"	WD/GL	STN	HG	EXIST	PNT	1	EXIST	EXIST			16.0		
014	3'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	6/A-602	1/A-602			14.0		
016	3'-6"	7'-0"	1 3/4"	WD/GL	STN	HG	HM	PNT	7	6/A-602	1/A-602			16.0		
018	7'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602		45	7.0		
021	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			14.0		
022	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			14.0		
023	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			14.0		
024	6'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			11.0		
033	3'-0"	7'-0"	1 3/4"	WD	STN	F	EXIST	PNT	1	EXIST	EXIST			16.0	4	
034	3'-0"	7'-0"	1 3/4"	WD	STN	F	EXIST	PNT	1	EXIST	EXIST			14.0	4	
035	3'-6"	7'-0"	1 3/4"	WD	STN	F	EXIST	PNT	1	EXIST	EXIST			16.0	4	
038	3'-6"	7'-0"	1 3/4"	WD/GL	STN	2HG-W	HM	PNT	5	6/A-602	1/A-602			22.0	1	
039	3'-6"	6'-10"	1 3/4"	WD/GL	STN	FG-W	HM	PNT	4	6/A-602	1/A-602			23.0		
040	7'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602		45	7.0		
041	3'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	6/A-602	1/A-602			10.0		
042	3'-0"	7'-0"	1 3/4"	HM	PNT	F	HM	PNT	1	6/A-602	1/A-602			12.1		
043	7'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602		90	7.0		
044	3'-8"	7'-0"	1 3/4"	WD/GL	STN	N	EXIST	PNT	1	EXIST	EXIST			22.1	4	
045	6'-0"	7'-0"	1 3/4"	WD/GL	STN	FG-M	HM	PNT	1	6/A-602	1/A-602			8.0		
046	6'-0"	7'-0"	1 3/4"	AL	PF	2-HG-W	AL	PF	SEE REMARK	8A/A-602	3/A-602			9.0	7	
047A	3'-6"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	6/A-602	1/A-602			25.0		
047B	3'-6"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	6/A-602	1/A-602			25.0		
048	3'-0"	7'-0"	1 3/4"	HM	PNT	F	HM	PNT	1	6/A-602	1/A-602			13.1		
050A	6'-0"	7'-0"	1 3/4"	WD/GL	STN	HG-M	HM	PNT	1	6/A-602	1/A-602			24.0		
050B	4'-0"	6'-8"	1 3/4"	WD	STN	-	-	-	-	9/A-602	4/A-602	13/A-602		26.0	3	
053	3'-6"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		45	13.1		
A013	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		90	13.0		
A100	7'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602		45	7.0		
A103	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A107	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A108	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A109	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A112	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A113	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A115	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			21.0		
A116	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A119	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A120A	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A120B	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A200	7'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602		45	7.0		
A201	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A205	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A206	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			20.0		ALT 3
A207	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A208	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		ALT 3
A209	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A212	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A213	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A215	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			21.0		
A218	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A219	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			20.0		
A220	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A221	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			20.0		
A222A	6'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602		90	7.1		
A222B	3'-7"	7'-0"	1 3/4"	HM	PNT	HG	HM	PNT	1	17/A-602	16/A-602			2.0		
A222C	3'-7"	7'-0"	1 3/4"	HM	PNT	HG	HM	PNT	1	17/A-602	16/A-602			2.0		
A223	3'-7"	7'-0"	1 3/4"	HM	PNT	HG	HM	PNT	1	17/A-602	16/A-602			4.0		
A224A	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A224B	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A300	7'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602		45	7.0		
A301	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A305	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A306	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A307	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A310	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A311	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A313	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			21.0		
A314	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A317	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
A318	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			21.0		
B008	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		90	13.0		
B100	7'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602		45	7.0		
B101	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
B105	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		
B106	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			20.0		
B107	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0		

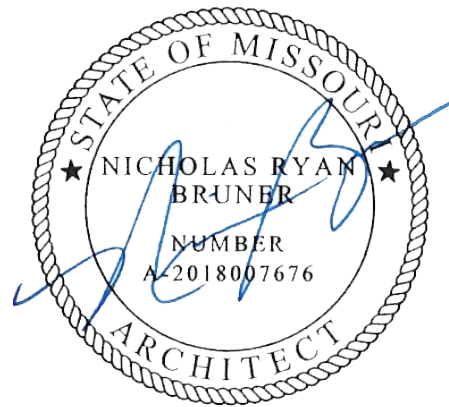
DOOR							DOOR FRAME			HEAD	JAMB	THRESH	LBL	HDWR SET	REMARKS
NO.	WIDTH	HEIGHT	THICK	MAT'L	FINISH	ELEV	MAT'L	FINISH	ELEV	DETAIL NO.	DETAIL NO.	DETAIL NO.			
B108	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			20.0	ALT 3
B109	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B112	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			21.0	
B113	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B115	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			21.0	
B116	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B119	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B120A	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B120B	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B200	7'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602	45	7.0		
B201	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B205	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B206	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			20.0	ALT 3
B207	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B208	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			20.0	ALT 3
B209	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B212	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			21.0	
B213	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B215	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			21.0	
B216	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B219	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B220A	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B220B	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B300	7'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602	45	7.0		
B301	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B305	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B306	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B307	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B310	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			21.0	
B311	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B313	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			21.0	
B314	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B317	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			19.0	
B318	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602			21.0	
B400	7'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602	90	7.0		
C001	7'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602	90	7.0		
C013	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602	90	13.0		
C038	6'-0"	7'-0"	1 3/4"	HM	PNT	N	HM	PNT	1	6/A-602	1/A-602		6.0		
C100	7'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602	45	7.0		
C101	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		21.0		
C102	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C105	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C106	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		21.0		
C108	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C109	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C112	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C113	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C114	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C118	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C200	7'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602	45	7.0		
C201A	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C201B	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C202	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C205	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C206	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		21.0		
C208	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C209	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		21.0		
C212	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C213	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C214	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		18.0		ALT 3
C215	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C216	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		20.0		ALT 3
C219	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C300	7'-0"	7'-0"	1 3/4"	WD/GL	STN	N	HM	PNT	1	10/A-602	5/A-602	45	7.0	6	
C301A	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C301B	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C302	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C305	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C306	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		21.0		
C307	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C309	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C312	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C313	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C314	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		18.0		ALT 3
C315	3'-8"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C316	3'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		20.0		ALT 3
C319	4'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		19.0		
C321	6'-0"	7'-0"	1 3/4"	WD	STN	F	HM	PNT	1	6/A-602	1/A-602		12.0		ALT 1

AL/GL	ALUMINUM AND GLASS
AL	ALUMINUM
ALCW=	ALUMINUM CLAD WOOD
EXIST=	EXISTING
FRP=	FIBER REINFORCED PLASTIC
HM=	HOLLOW METAL
IHM=	INSULATED HOLLOW METAL
IRD =	IMPACT RESISTANT DOOR
OHD=	OVERHEAD DOOR
PF=	PREFINISHED
PNT=	PAINT
SCW=	SOLID CORE WOOD
STN=	STAIN
WD/GL	WOOD AND GLASS
WD=	WOOD

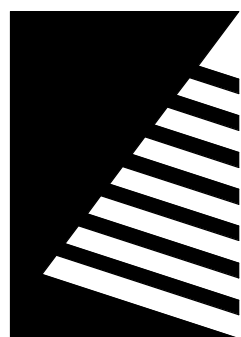
REMARKS:

1. OBSCURED/PRIVACY GLAZING IN SIDELIGHT AND/OR NARROW LITE - SEE SPECIFICATIONS
2. NOT USED
3. BARN DOOR - SEE SPECIFICATIONS
4. EXISTING FRAME AND EXISTING ADJACENT GLAZED FRAME TO BE PAINTED
5. PREFINISHED COLOR TO BE WHITE
6. DOOR SWITCH, SEE MECHANICAL FOR ALT #1 DOOR FUNCTION
7. FRAME IS PART OF AN ALUMINUM STOREFRONT SYSTEM. REFERENCE WINDOW / STOREFRONT TYPES FOR FRAME ELEVATION

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / [info@f-w.com](mailto:info@f-w.com)

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #00074  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

## 100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
ASSET #.:	8136803002
FAI #.:	29-043

#	DATE:	DESCRIPTION:
1	10/1/2018	10/1/2018
2	10/2/2018	10/2/2018
3	10/3/2018	10/3/2018
4	10/4/2018	10/4/2018
5	10/5/2018	10/5/2018
6	10/6/2018	10/6/2018
7	10/7/2018	10/7/2018
8	10/8/2018	10/8/2018
9	10/9/2018	10/9/2018
10	10/10/2018	10/10/2018
11	10/11/2018	10/11/2018
12	10/12/2018	10/12/2018
13	10/13/2018	10/13/2018
14	10/14/2018	10/14/2018
15	10/15/2018	10/15/2018
16	10/16/2018	10/16/2018
17	10/17/2018	10/17/2018
18	10/18/2018	10/18/2018
19	10/19/2018	10/19/2018
20	10/20/2018	10/20/2018
21	10/21/2018	10/21/2018
22	10/22/2018	10/22/2018
23	10/23/2018	10/23/2018
24	10/24/2018	10/24/2018
25	10/25/2018	10/25/2018
26	10/26/2018	10/26/2018
27	10/27/2018	10/27/2018
28	10/28/2018	10/28/2018
29	10/29/2018	10/29/2018
30	10/30/2018	10/30/2018
31	10/31/2018	10/31/2018

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JJH

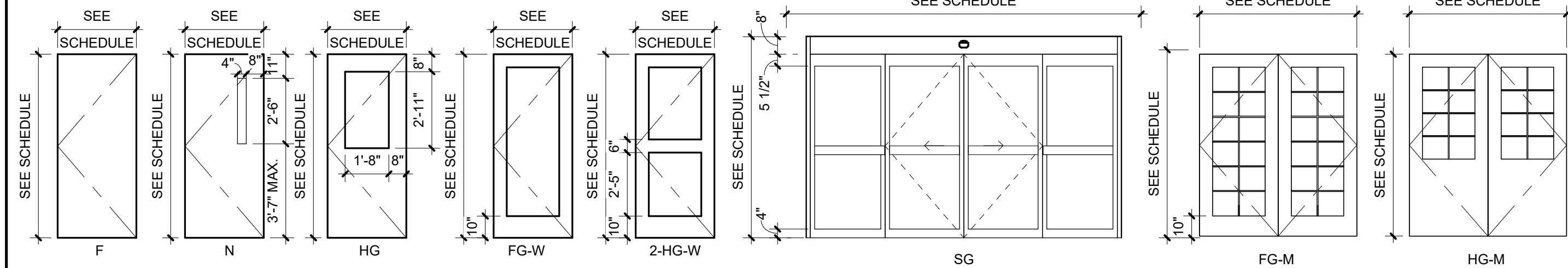
SHEET TITLE:

**DOOR SCHEDULE,  
ELEVATIONS**

SHEET NUMBER:

# A-601

SHEET 83 OF 197  
ISSUE DATE: 08/15/2024

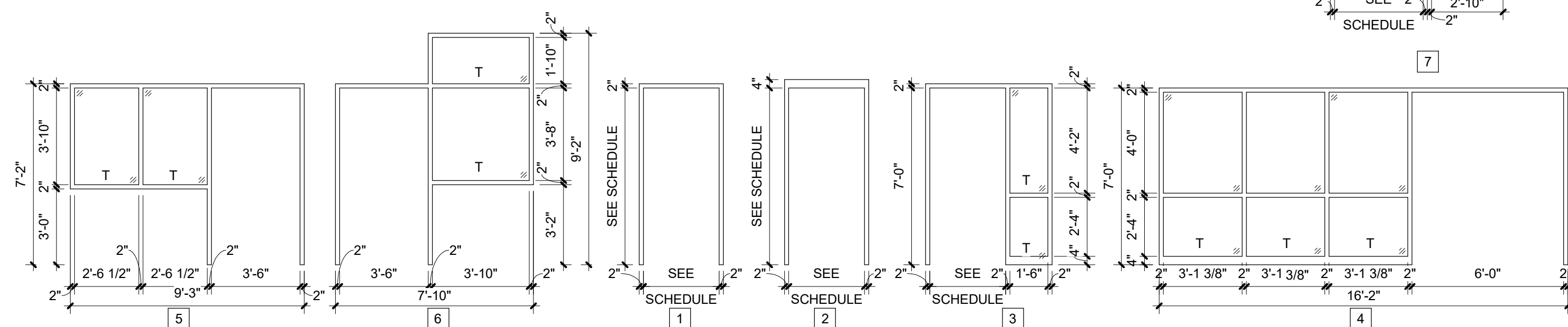


**NOTES:**

1. PROVIDE FIRE-RATED GLASS AT FIRE RATED CONDITIONS
2. ALL EXTERIOR GLASS SHALL BE INSULATED
3. ALL GLASS MUST BE TEMPERED

## DOOR ELEVATIONS

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

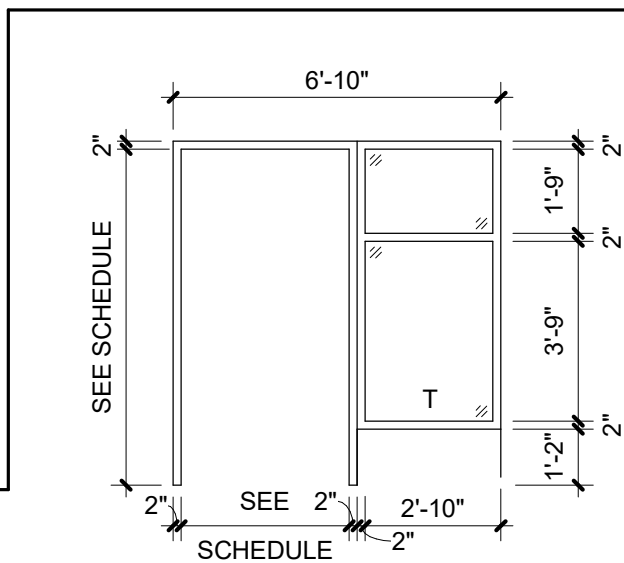


**NOTES:**

1. PROVIDE FIRE-RATED GLASS AT FIRE RATED CONDITIONS
2. ALL EXTERIOR/INSULATED GLASS TO BE IG-2 (FULLY TEMPERED) (SEE SPECIFICATION)
3. ALL INTERIOR GLASS TO BE FULLY TEMPERED - 'T' DESIGNATION
4. SEE DOOR REMARKS FOR OBSCURE/PRIVACY GLAZING

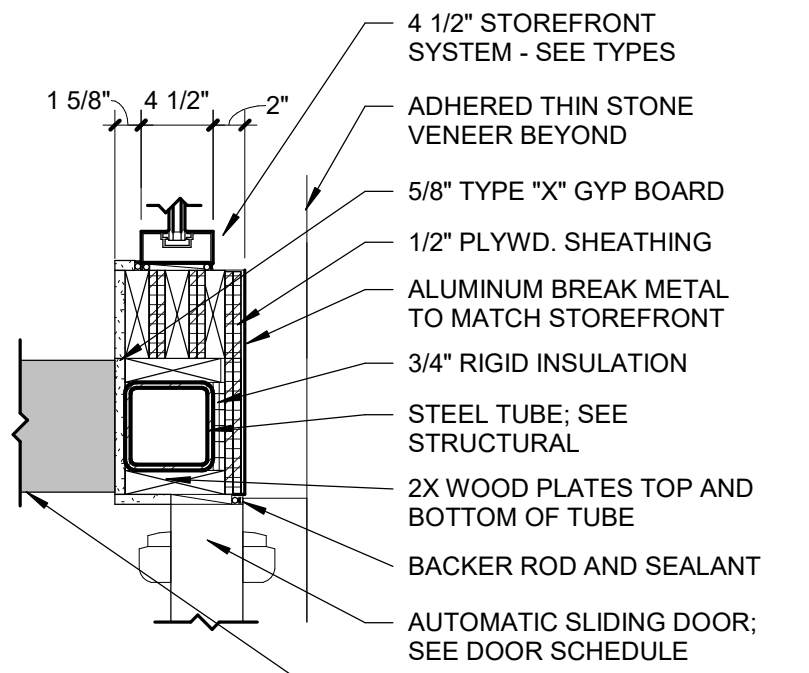
## FRAME ELEVATIONS

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

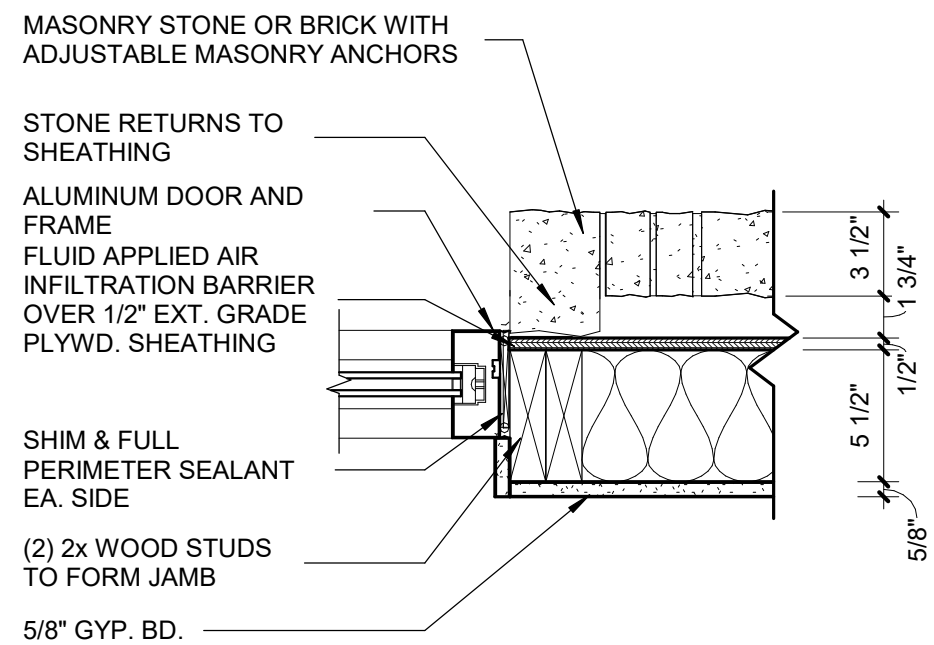




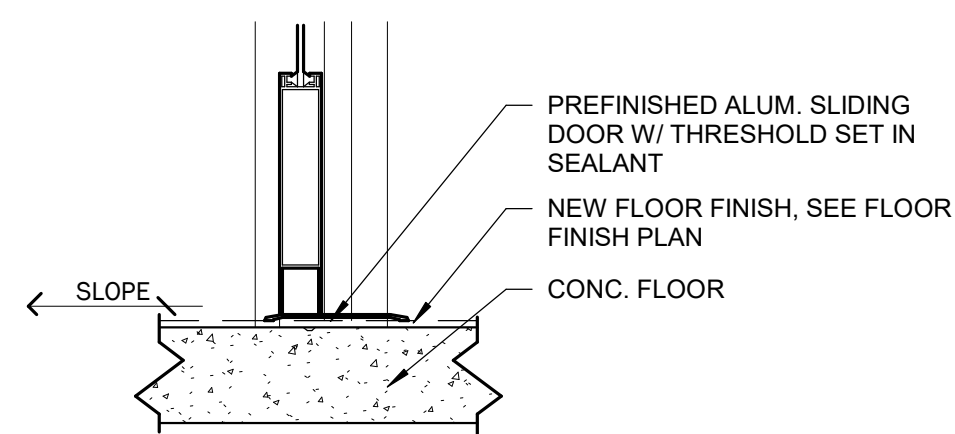
8/15/2024 10:35:23 AM



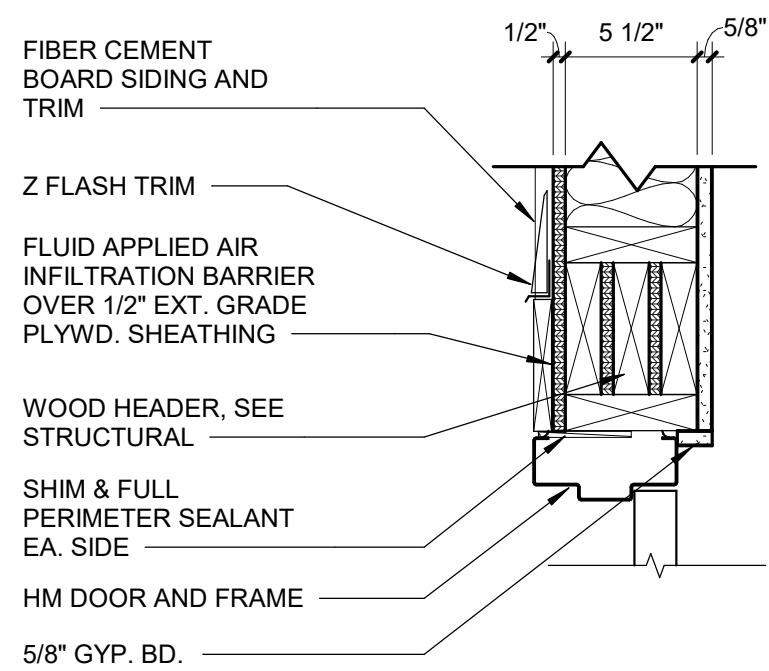
20 ENTRY SLIDING DOOR HEAD  
Scale: 1" = 1'-0"



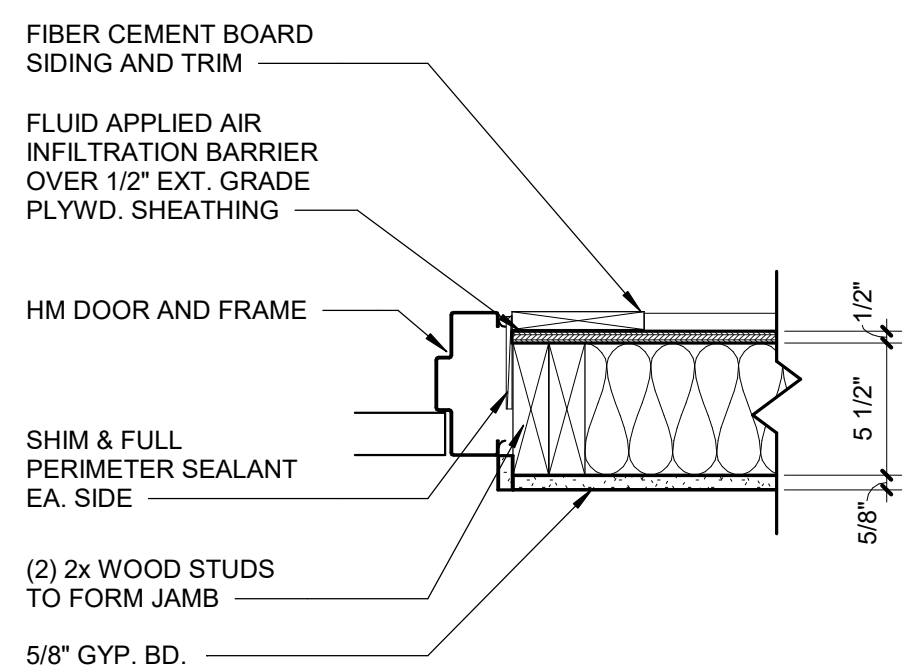
19 ALUM. SLIDING DOOR JAMB DETAIL  
Scale: 1 1/2" = 1'-0"



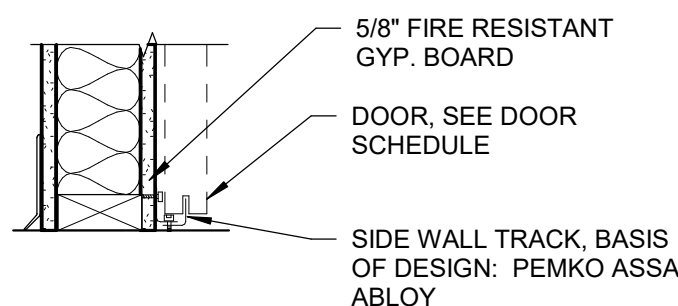
18 ALUM. SLIDING SILL DETAIL  
Scale: 1 1/2" = 1'-0"



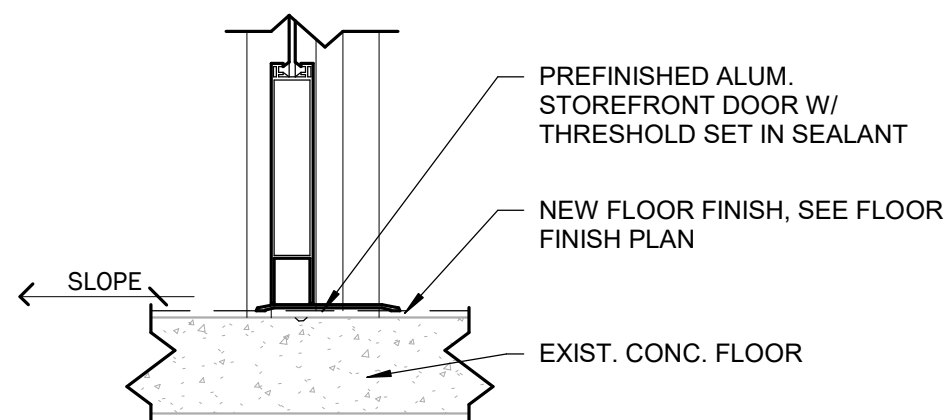
17 HM FRAME HEAD @ SIDING  
Scale: 1 1/2" = 1'-0"



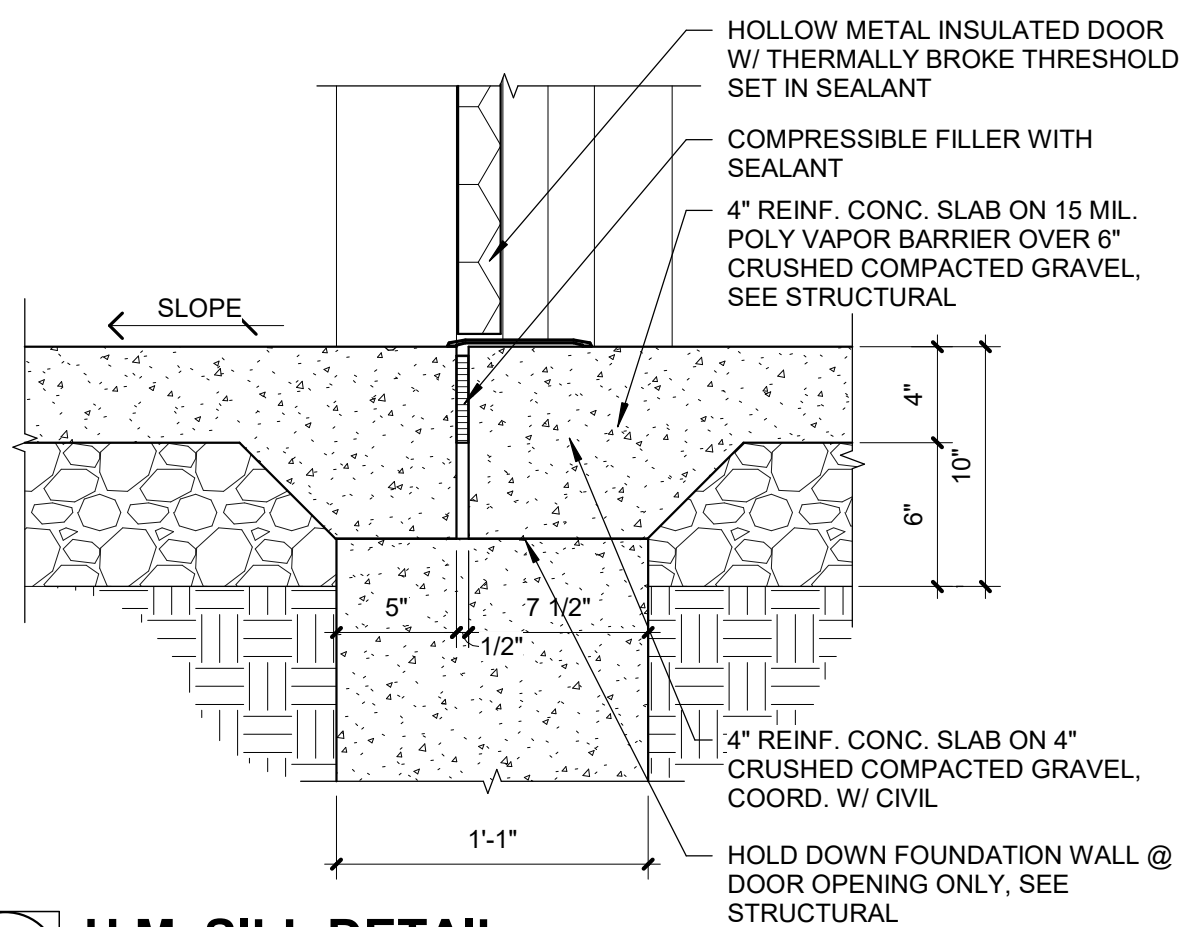
16 HM FRAME JAMB @ SIDING  
Scale: 1 1/2" = 1'-0"



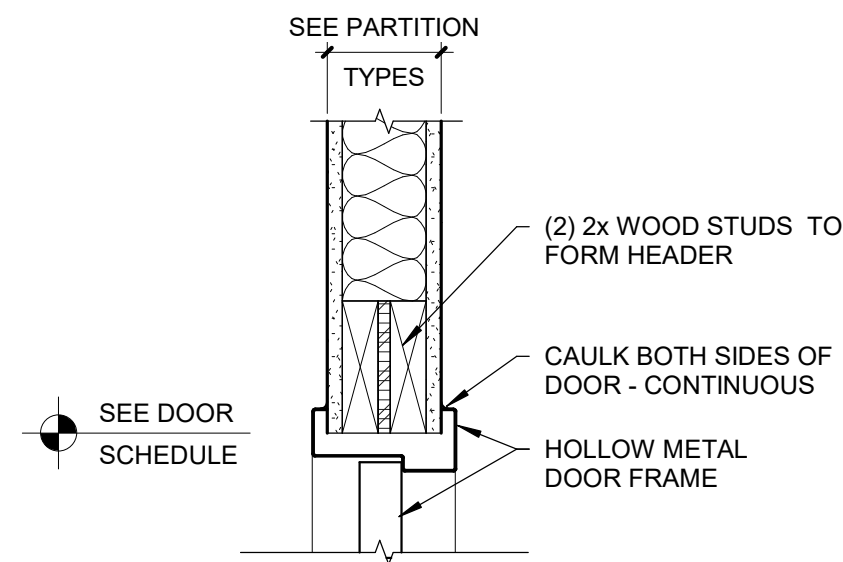
13 SLIDING BARN DOOR THRESHOLD DETAIL  
Scale: 1 1/2" = 1'-0"



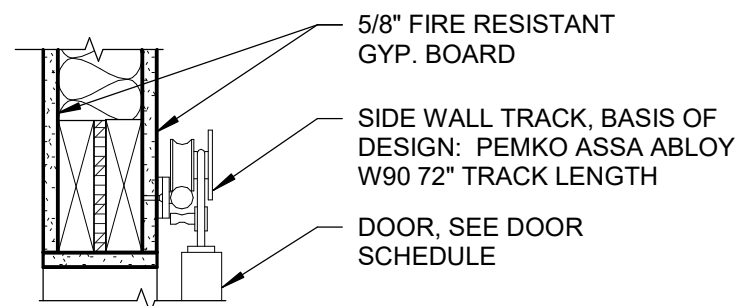
12 ALUM. STOREFRONT SILL DETAIL  
Scale: 1 1/2" = 1'-0"



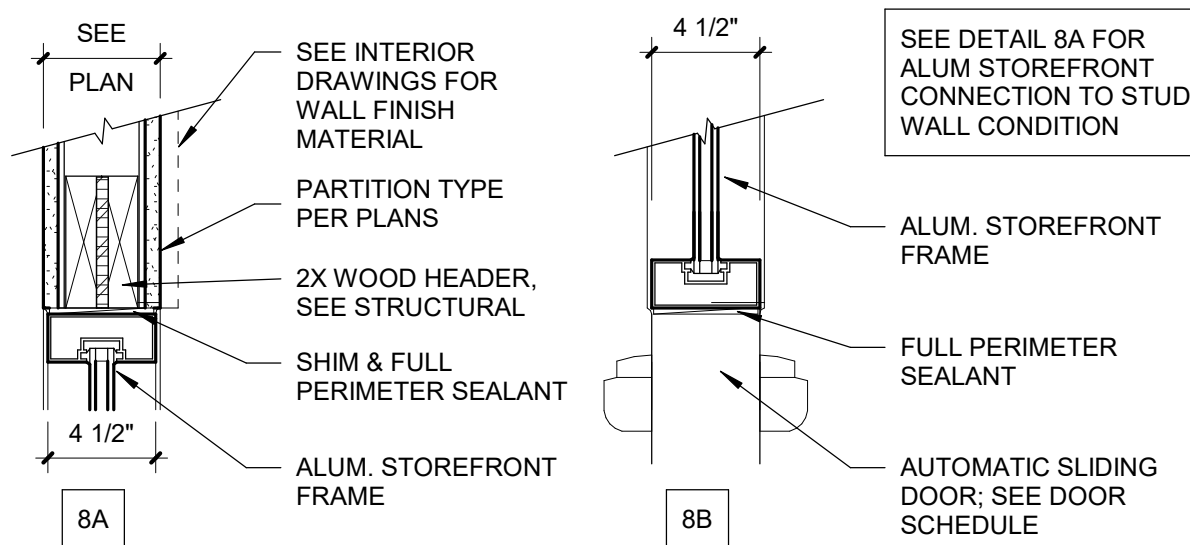
11 H.M. SILL DETAIL  
Scale: 1 1/2" = 1'-0"



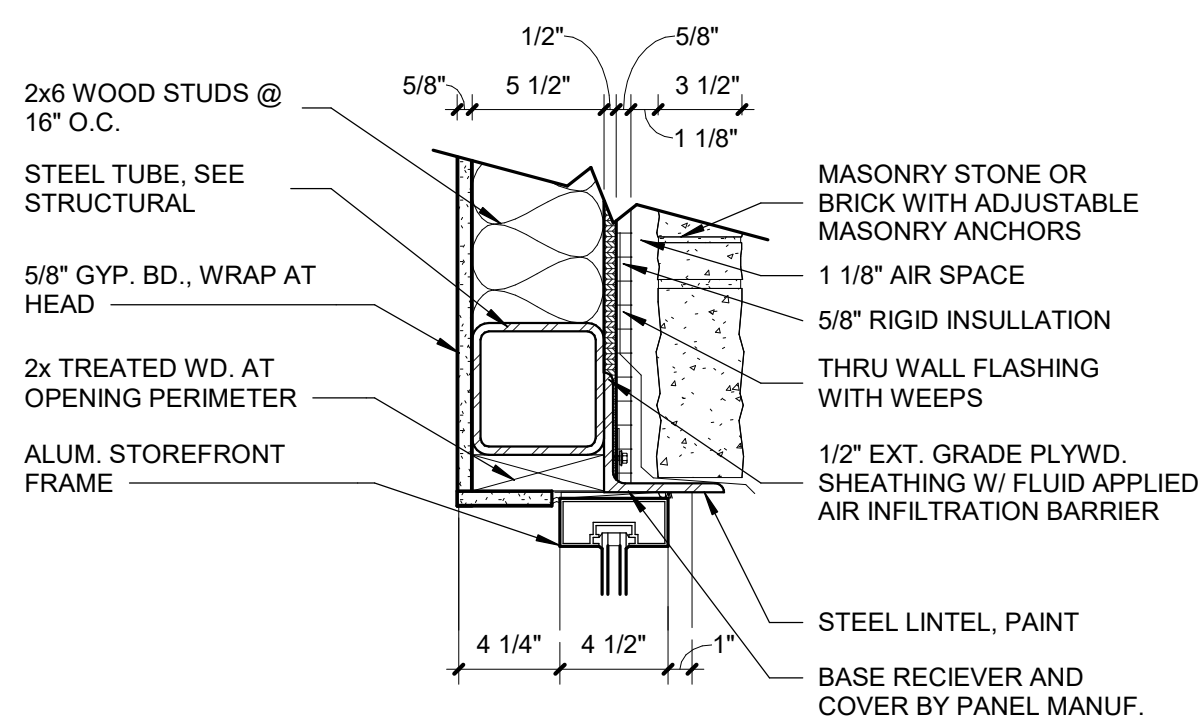
10 DOUBLE ACTING HM HEAD  
DETAIL @ WOOD STUD  
Scale: 1 1/2" = 1'-0"



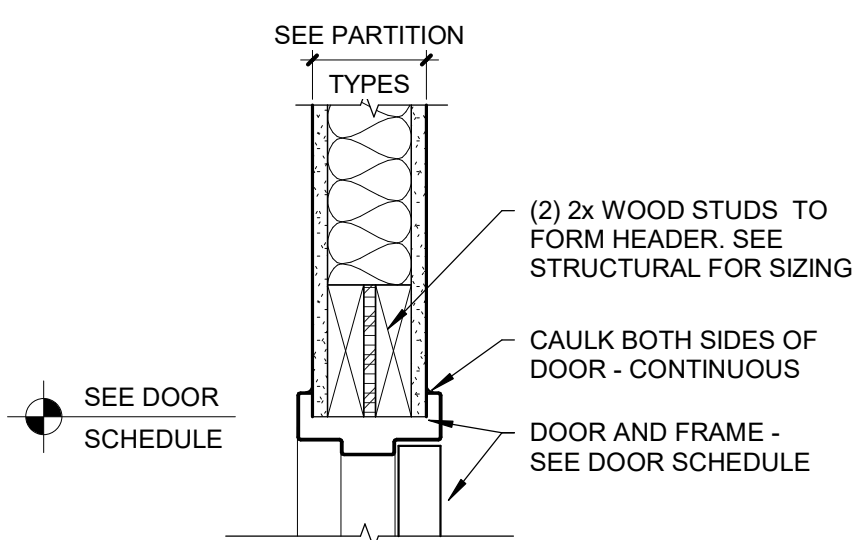
9 SLIDING BARN DOOR HEAD DETAILS  
Scale: 1 1/2" = 1'-0"



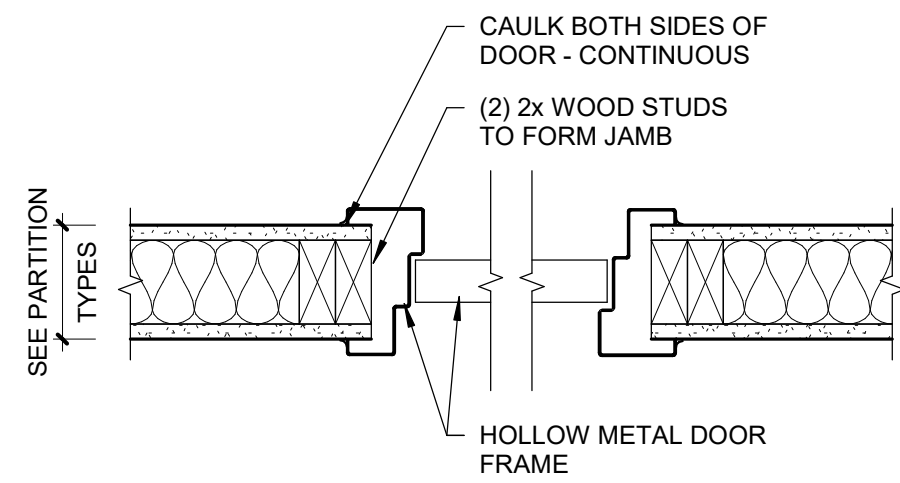
8 ALUMINUM STOREFRONT HEAD DETAIL  
Scale: 1 1/2" = 1'-0"



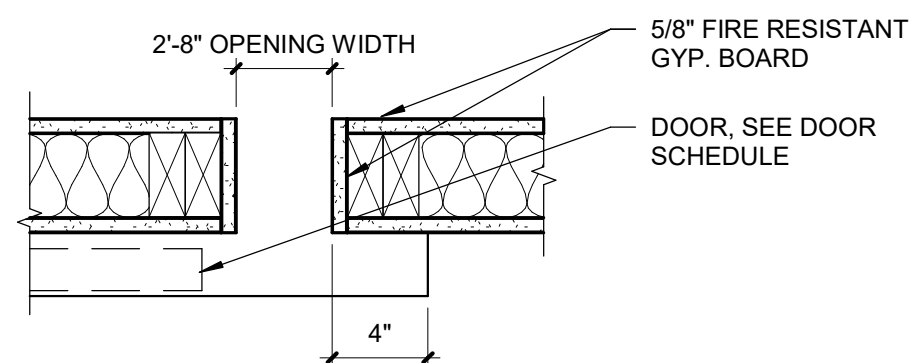
7 ALUM. STOREFRONT HEAD DETAIL  
Scale: 1 1/2" = 1'-0"



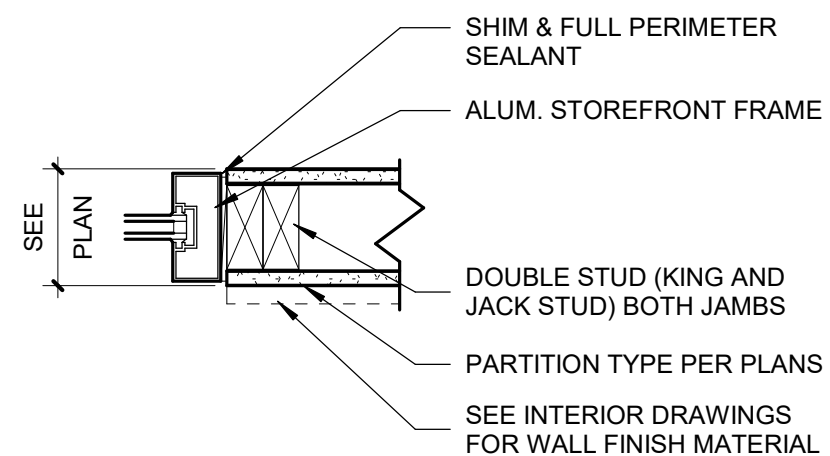
6 HM HEAD DETAIL @ WOOD STUD  
Scale: 1 1/2" = 1'-0"



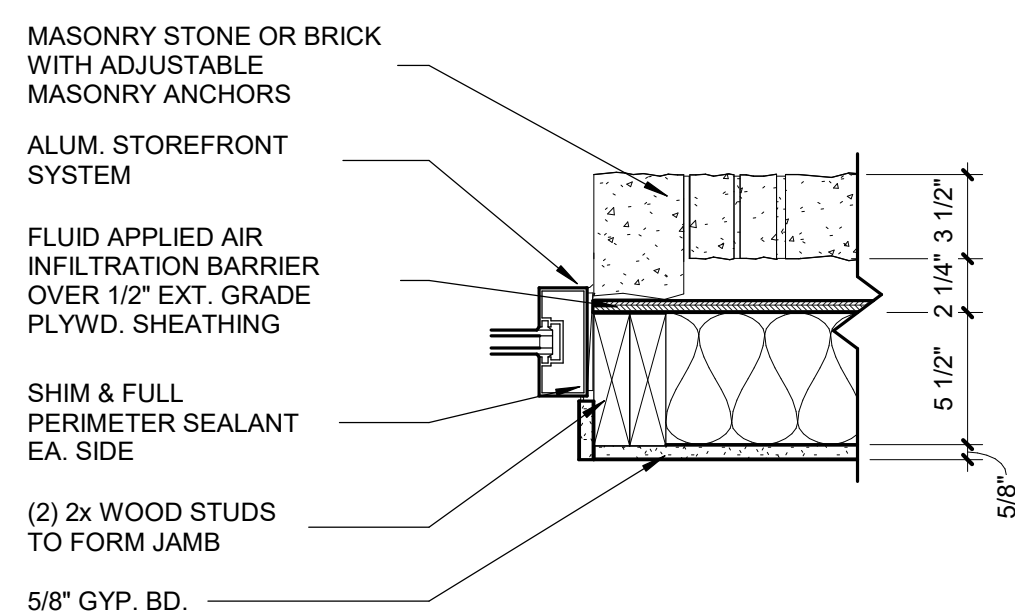
5 DOUBLE ACTING HM JAMB  
DETAIL @ WOOD STUD  
Scale: 1 1/2" = 1'-0"



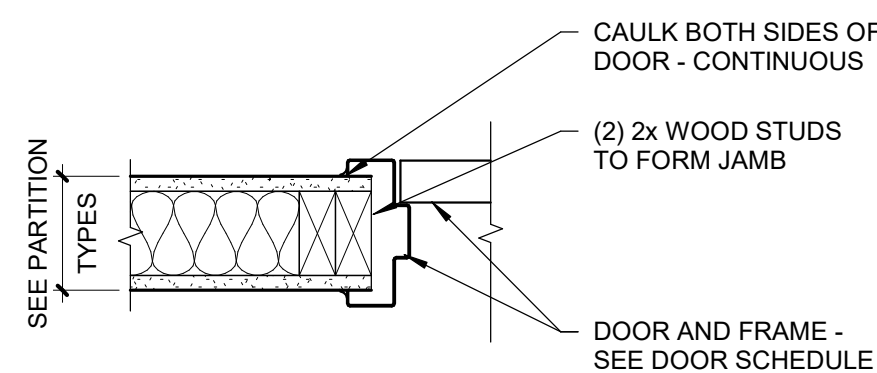
4 SLIDING BARN DOOR JAMB DETAIL  
Scale: 1 1/2" = 1'-0"



3 ALUMINUM STOREFRONT JAMB DETAIL  
Scale: 1 1/2" = 1'-0"



2 ALUM. STOREFRONT JAMB DETAIL  
Scale: 1 1/2" = 1'-0"

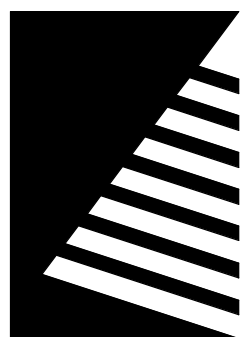


1 HM JAMB DETAIL @ WOOD STUD  
Scale: 1 1/2" = 1'-0"

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SLV  
CHECKED BY: NRB  
DESIGNED BY: JUH

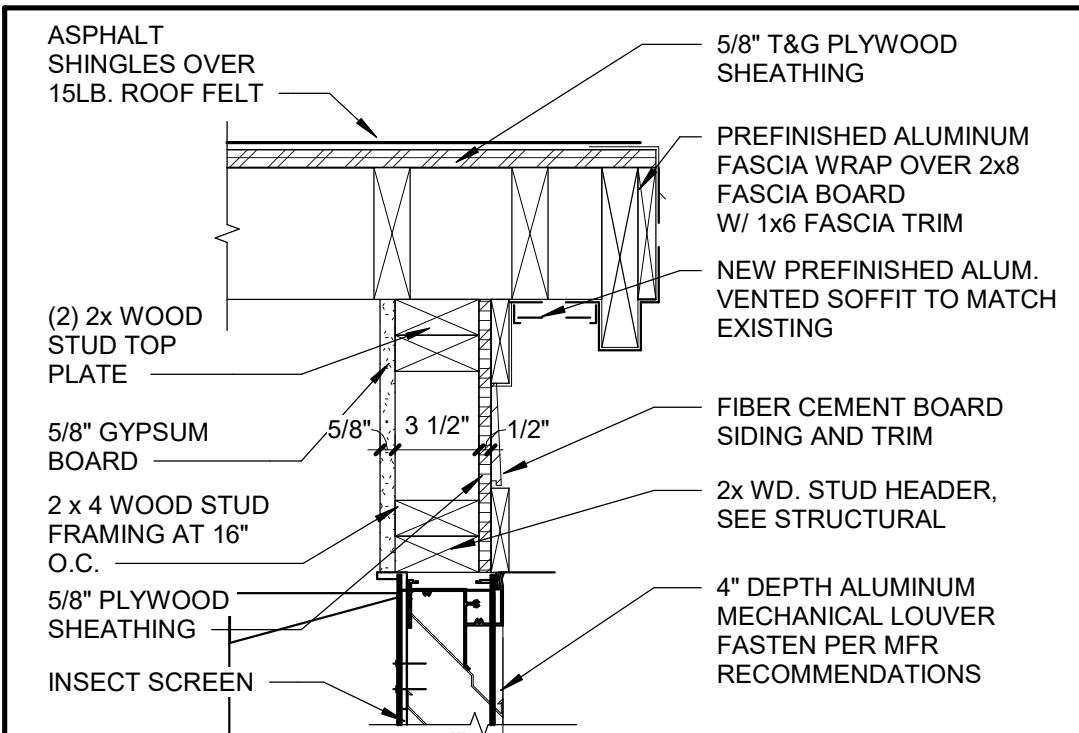
SHEET TITLE:  
DOOR DETAILS

SHEET NUMBER:

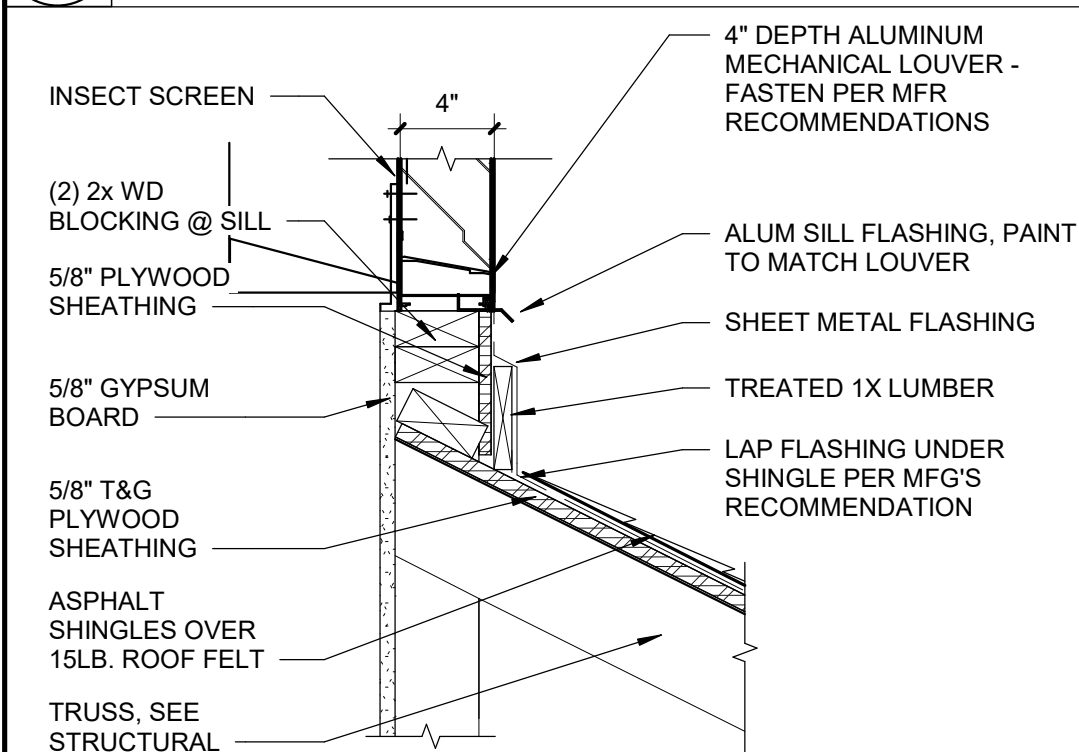
A-602

SHEET 84 OF 197  
ISSUE DATE: 08/15/2024

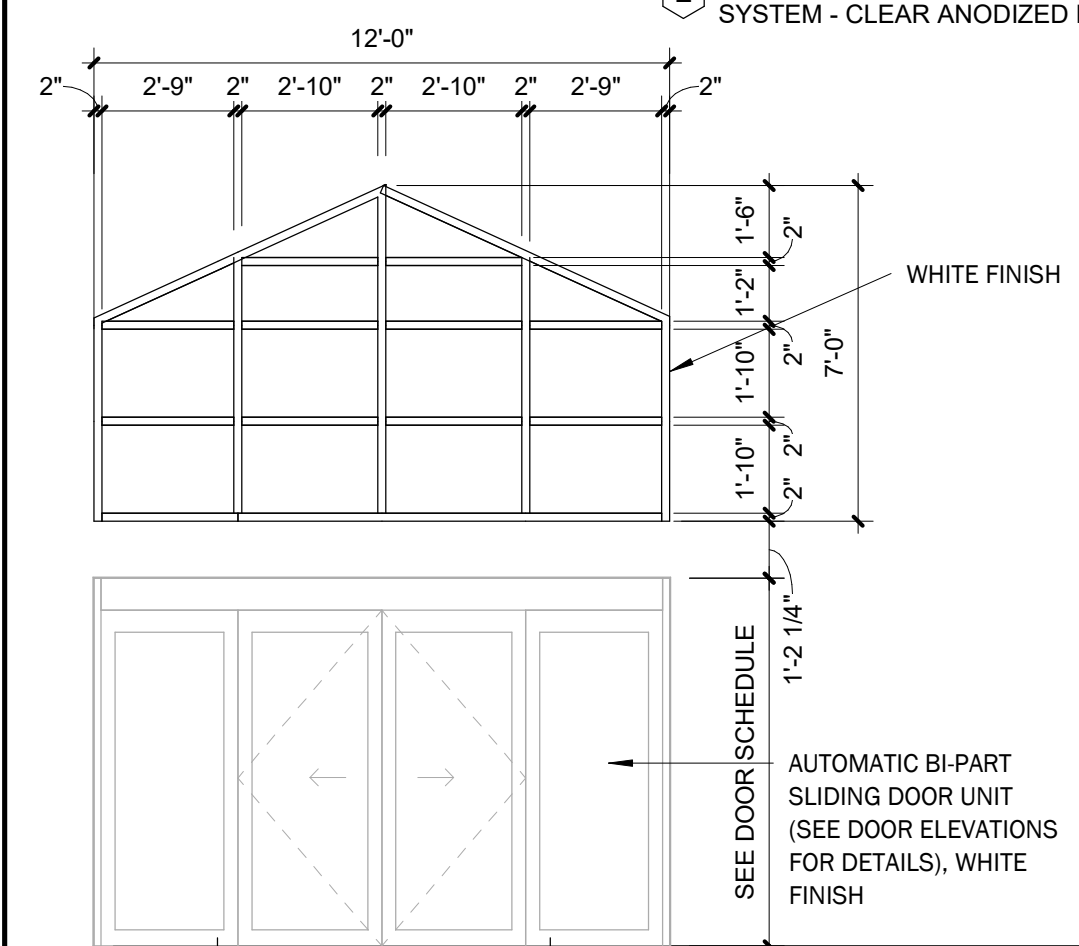
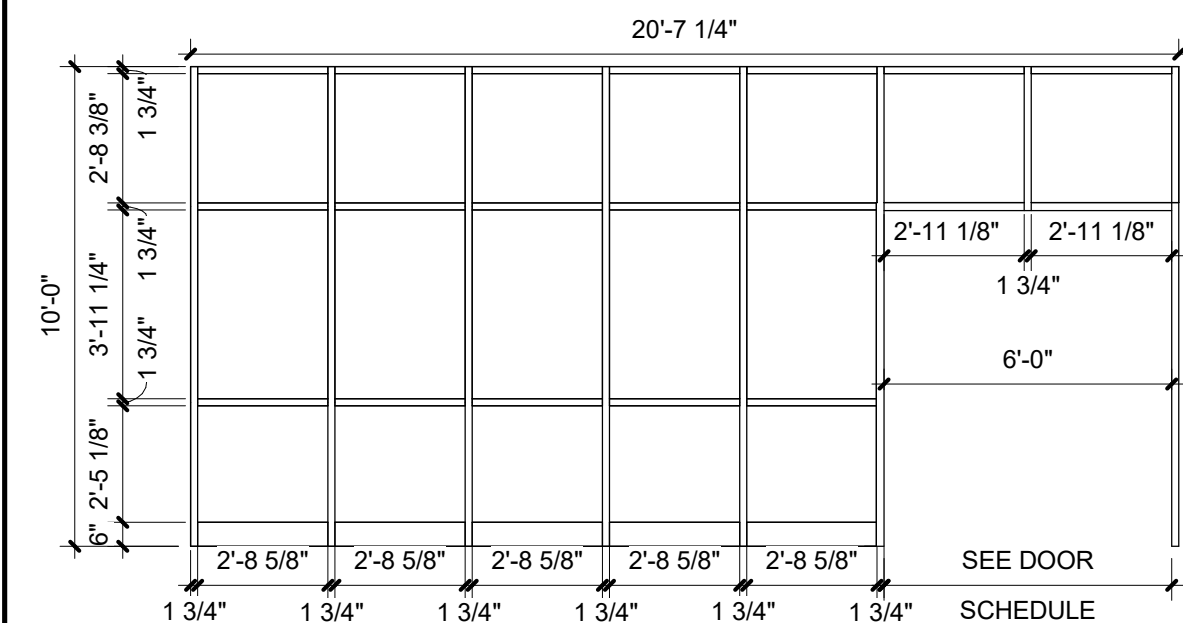




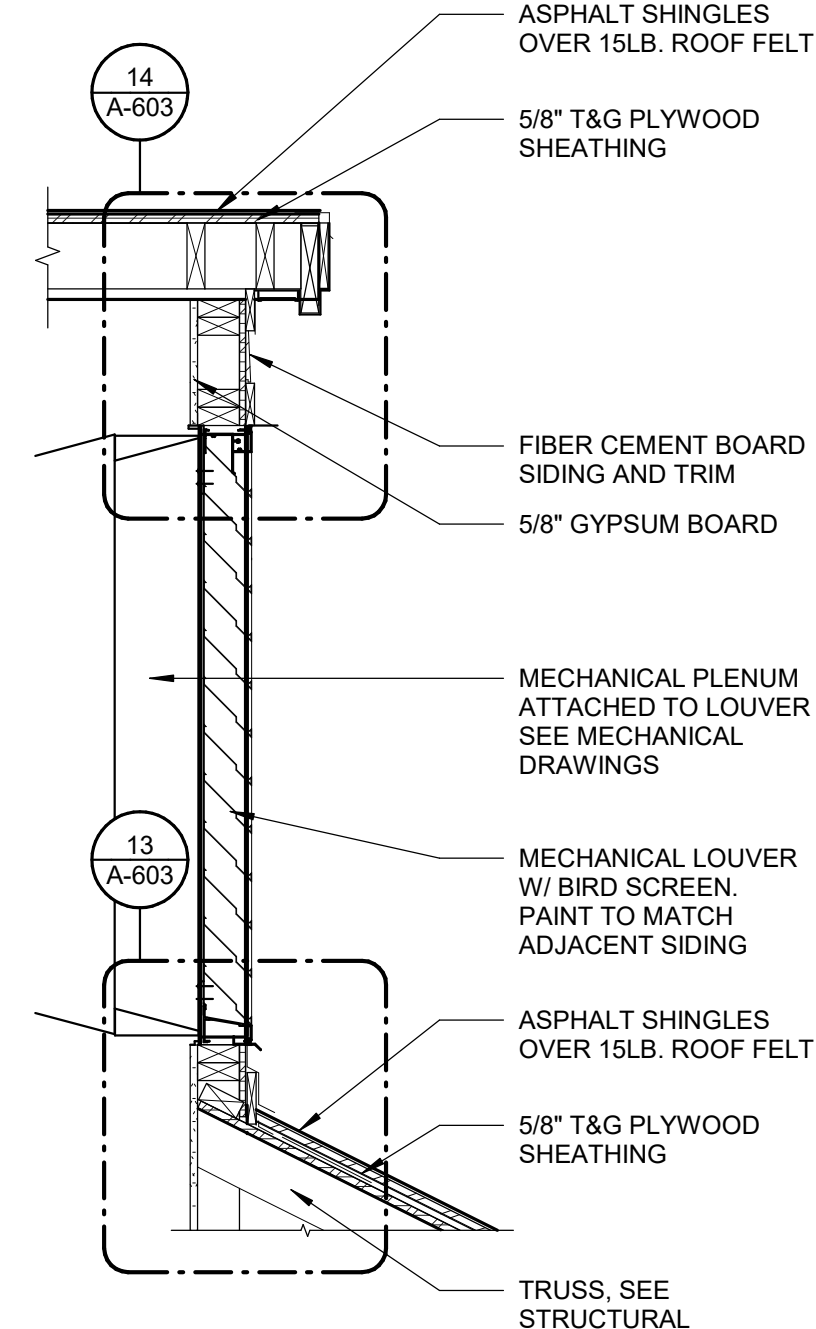
**14 LOUVER HEAD DETAIL @ DORMER**  
Scale: 1 1/2" = 1'-0"



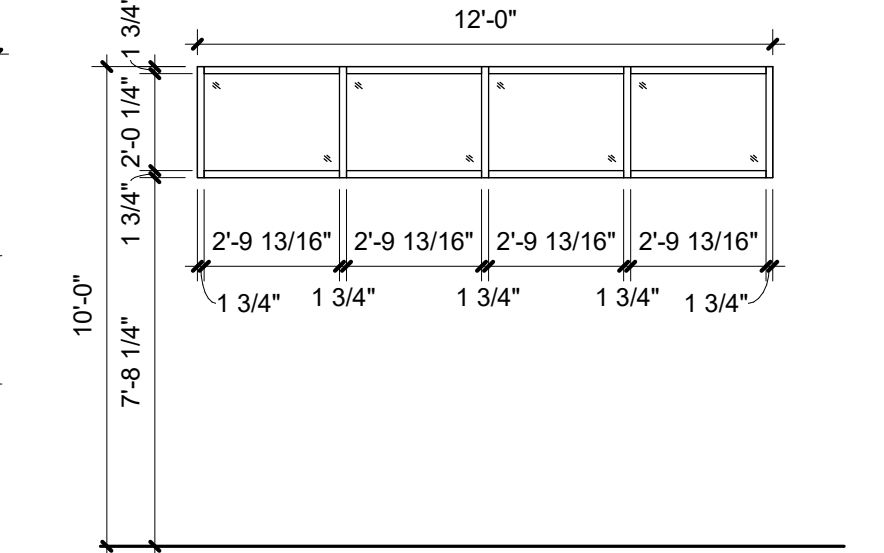
**13 LOUVER SILL DETAIL @ DORMER**  
Scale: 1 1/2" = 1'-0"



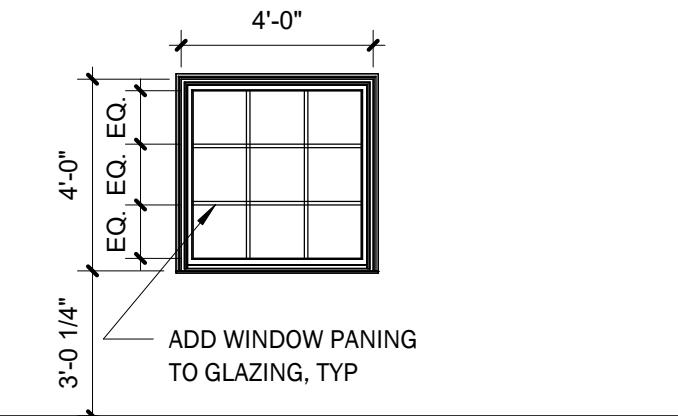
**T** EXTERIOR ALUMINUM STOREFRONT SYSTEM



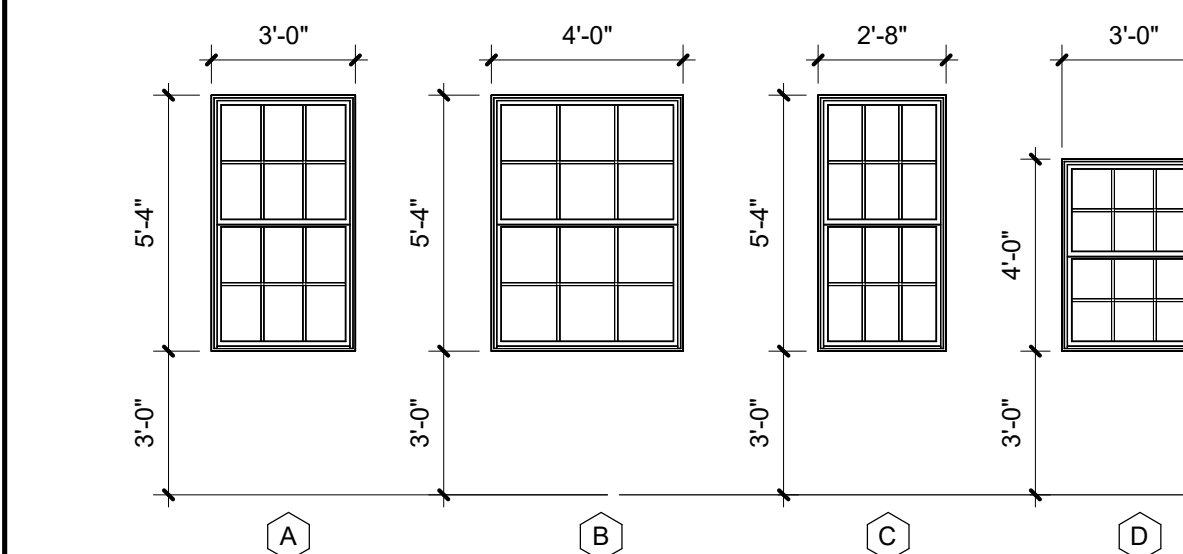
**12 SECTION THROUGH DORMER LOUVER**  
Scale: 3/4" = 1'-0"



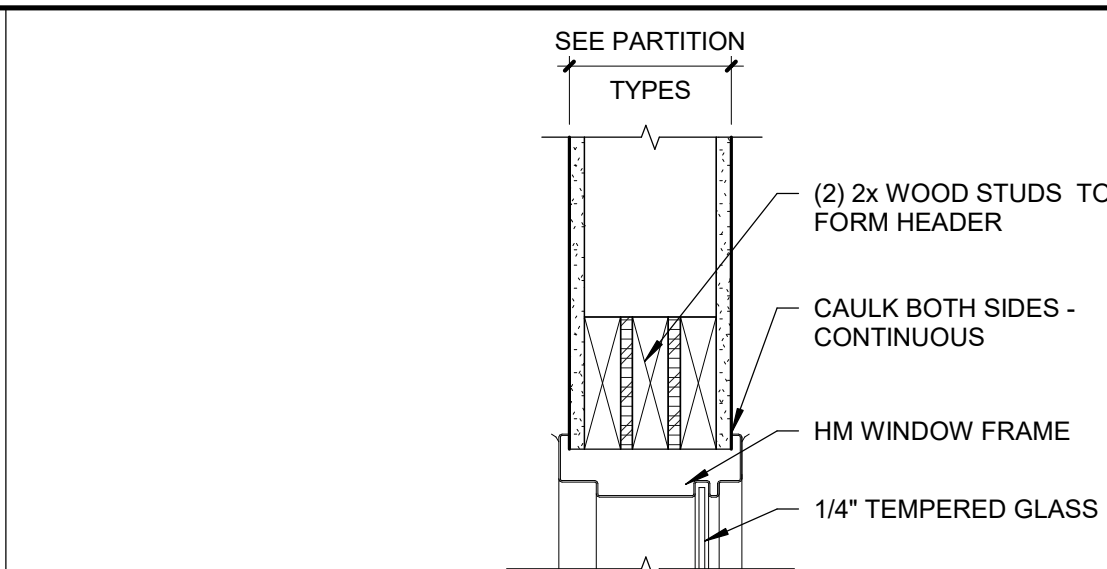
**V** INTERIOR ALUMINUM STOREFRONT SYSTEM - WHITE FINISH



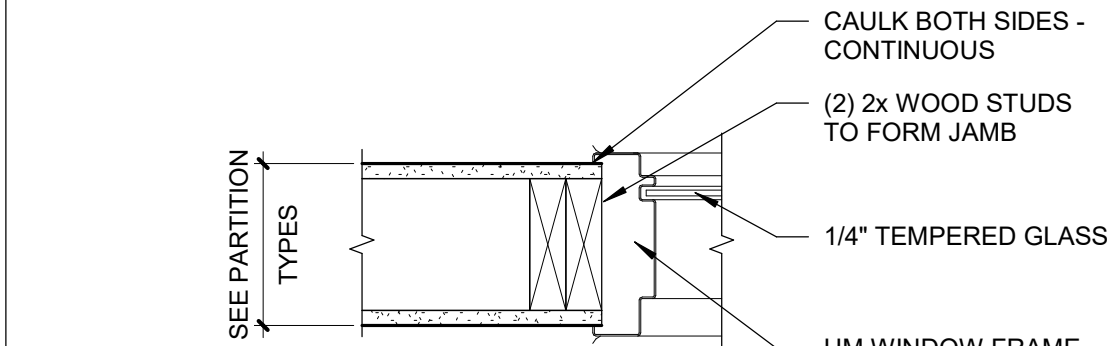
**W** HOLLOW METAL FRAMED WINDOWS



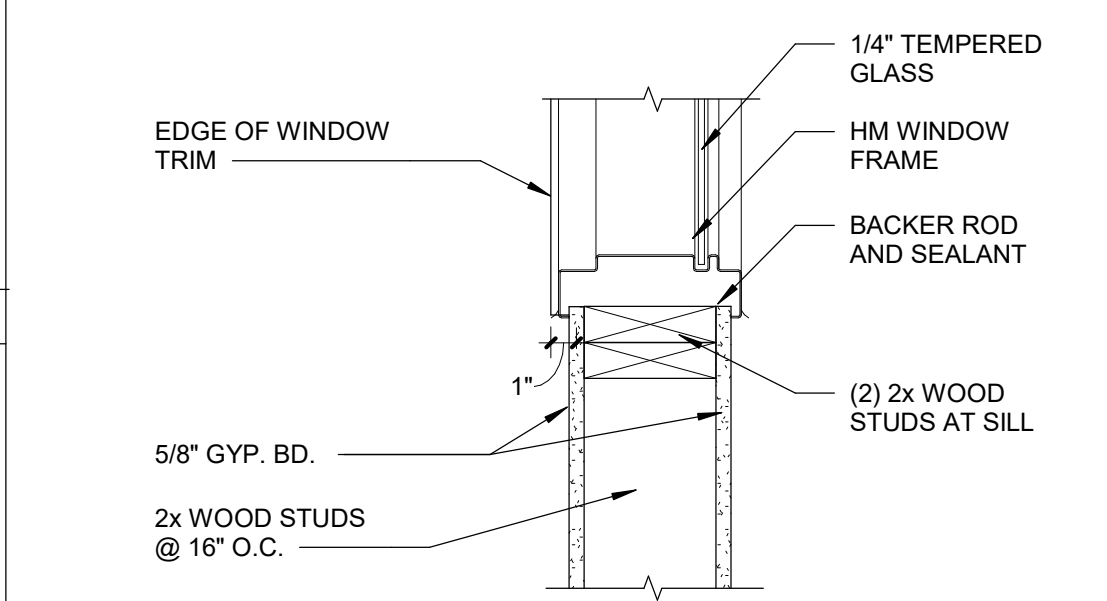
**7 WINDOW ELEVATIONS**  
Scale: 1/4" = 1'-0"



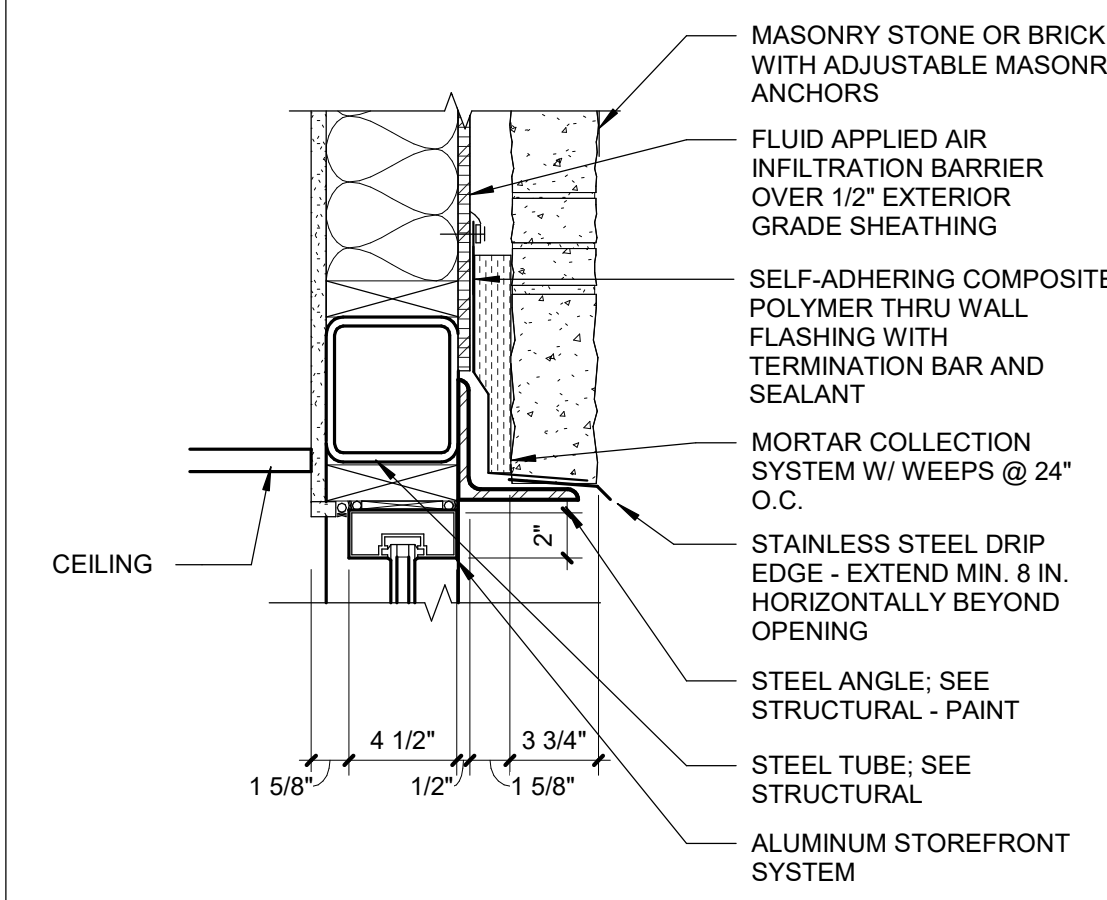
**11 HM INTERIOR WINDOW HEAD DETAIL**  
Scale: 1 1/2" = 1'-0"



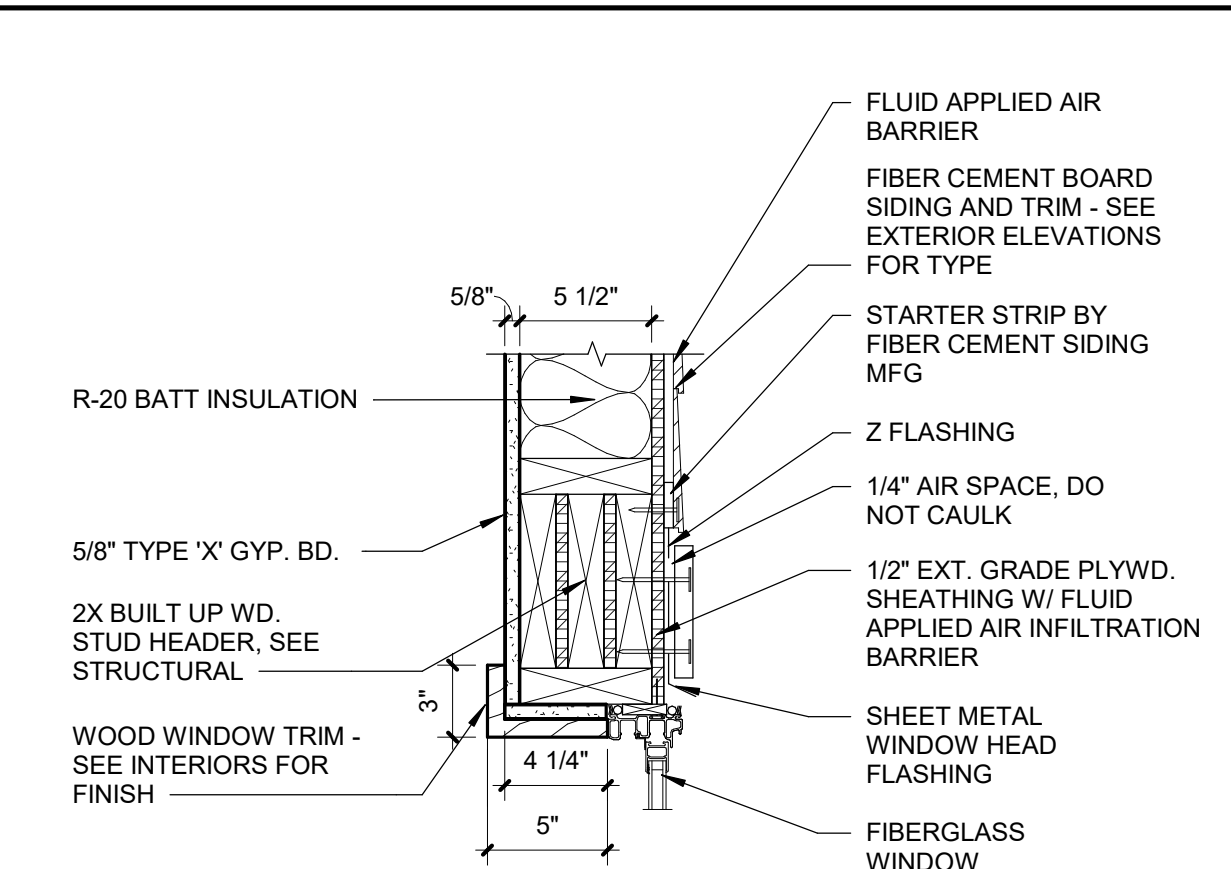
**10 HM INTERIOR WINDOW JAMB DETAIL**  
Scale: 1 1/2" = 1'-0"



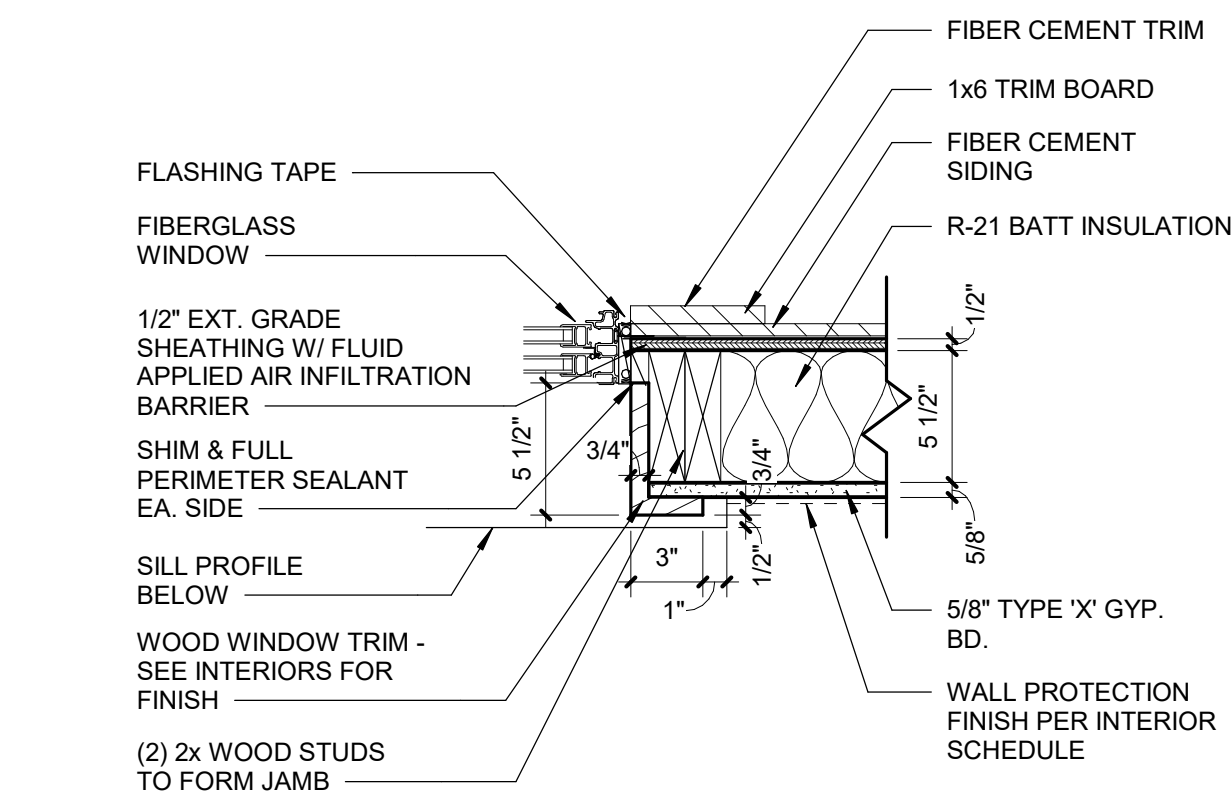
**9 HM INTERIOR WINDOW SILL DETAIL**  
Scale: 1 1/2" = 1'-0"



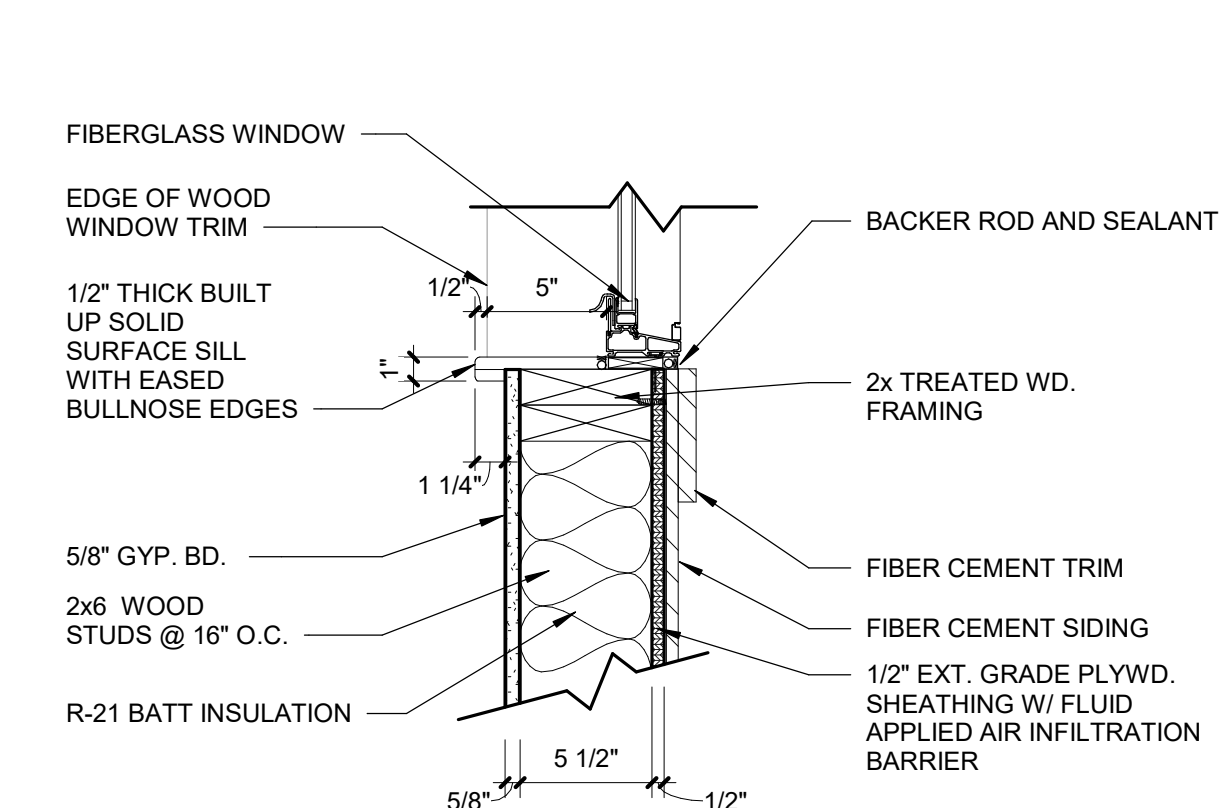
**8 ENTRY WINDOW HEAD DETAIL**  
Scale: 1 1/2" = 1'-0"



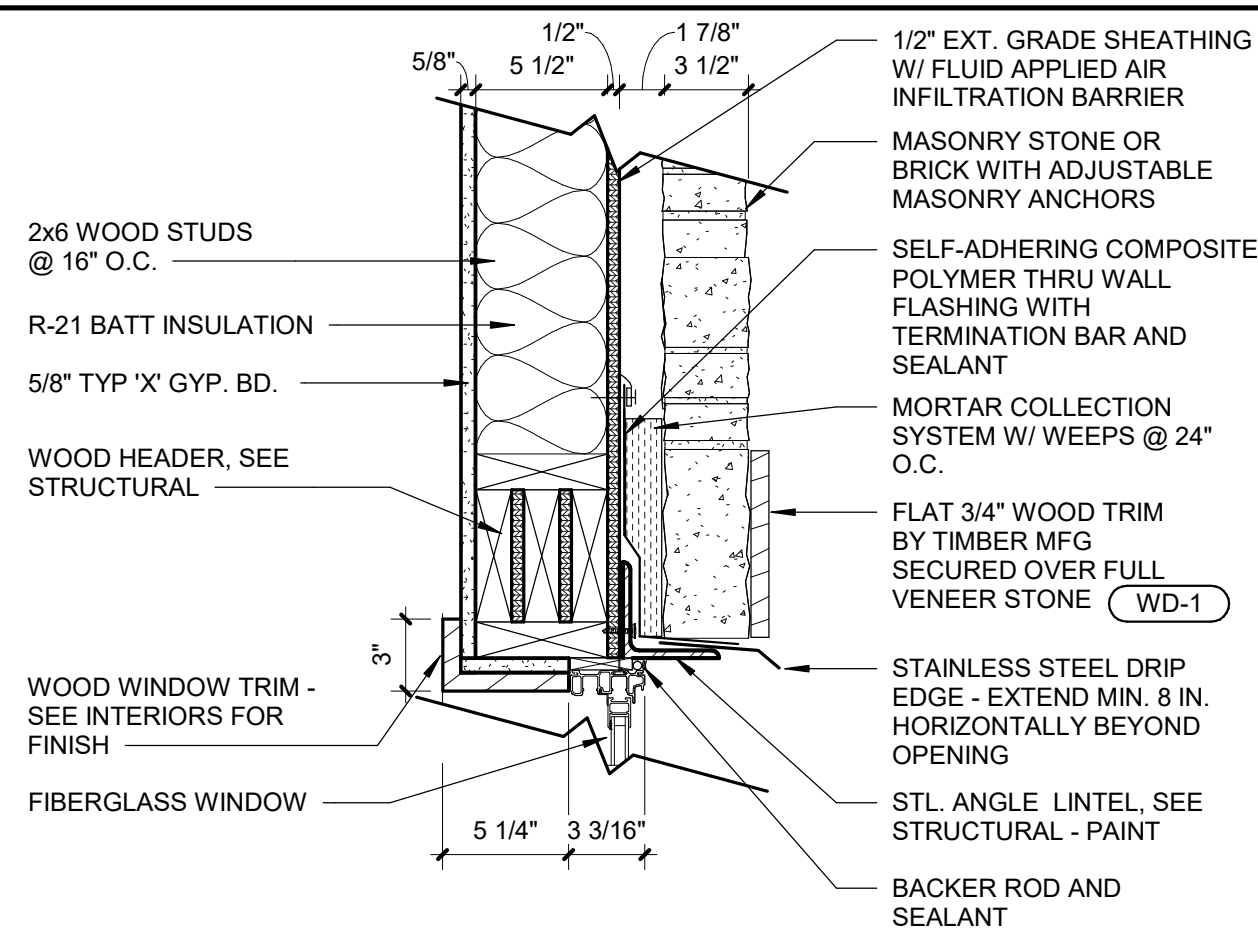
**6 FIBERGLASS WINDOW HEAD DETAIL @ SIDING**  
Scale: 1 1/2" = 1'-0"



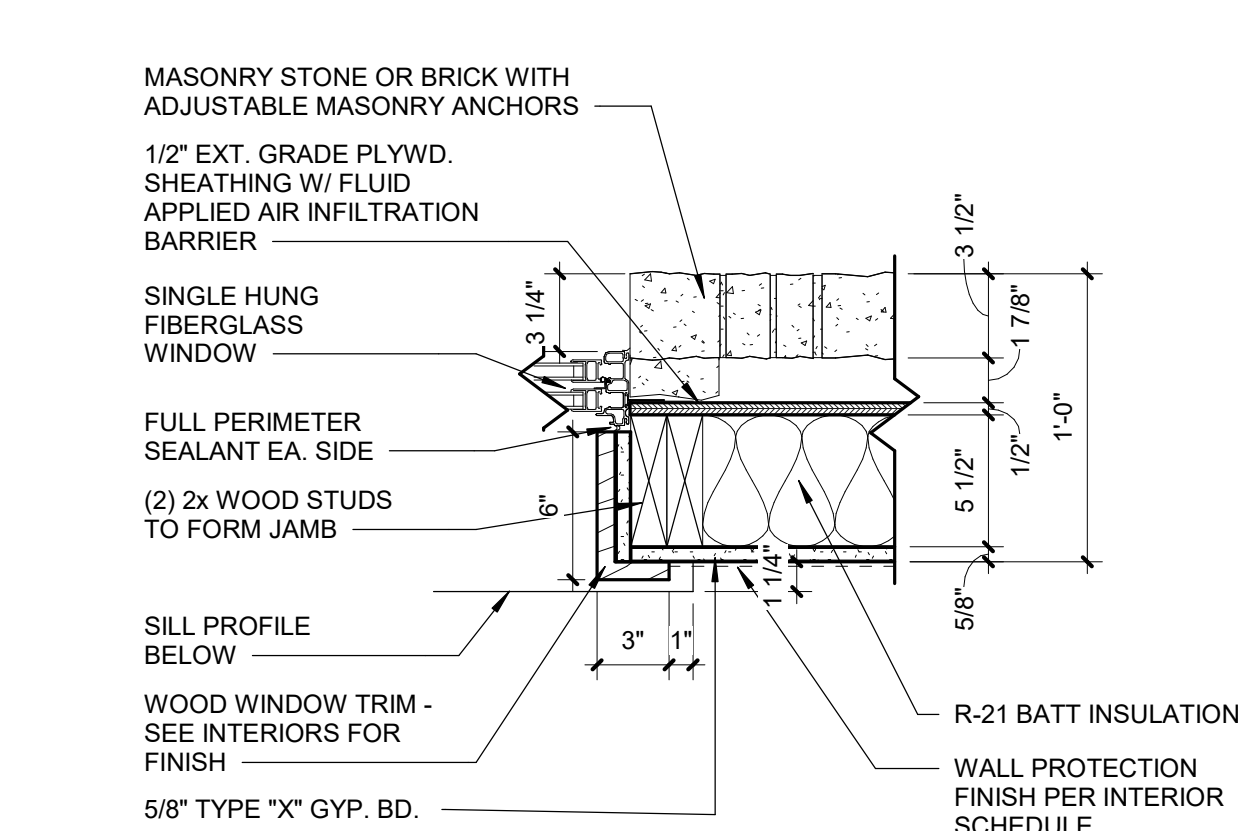
**5 FIBERGLASS WINDOW JAMB DETAIL @ SIDING**  
Scale: 1 1/2" = 1'-0"



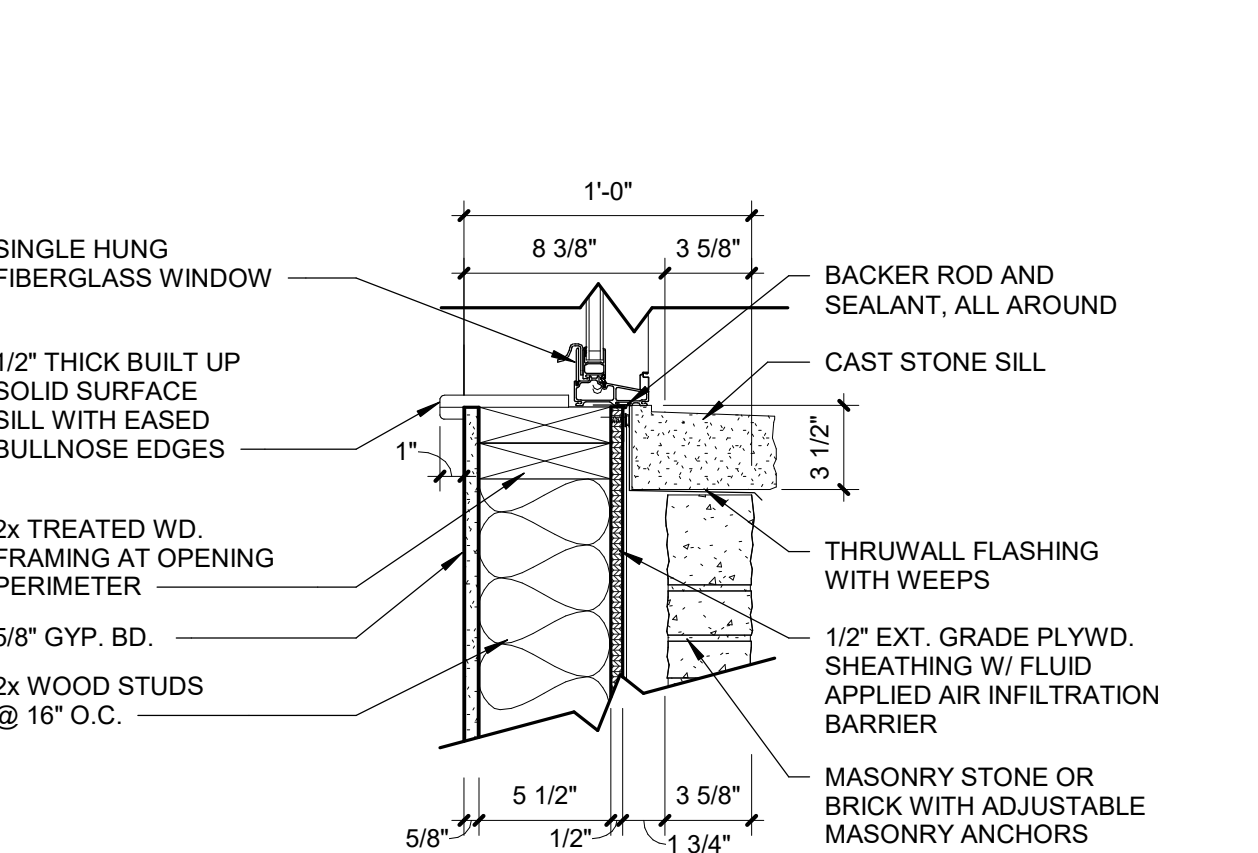
**4 FIBERGLASS WINDOW SILL DETAIL @ SIDING**  
Scale: 1 1/2" = 1'-0"



**3 FIBERGLASS WINDOW HEAD DETAIL @ MASONRY**  
Scale: 1 1/2" = 1'-0"

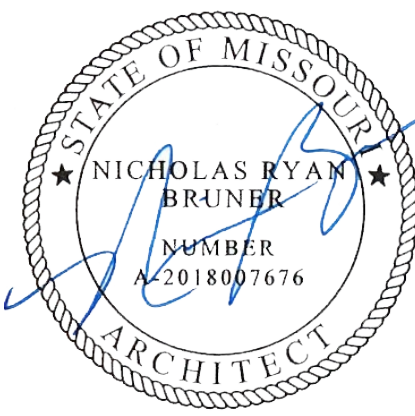


**2 FIBERGLASS WINDOW JAMB DETAIL @ MASONRY**  
Scale: 1 1/2" = 1'-0"

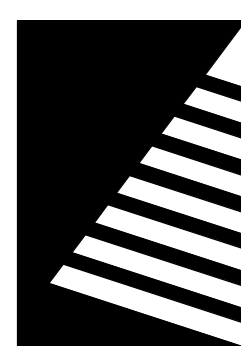


**1 FIBERGLASS WINDOW SILL DETAIL @ MASONRY**  
Scale: 1 1/2" = 1'-0"

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:

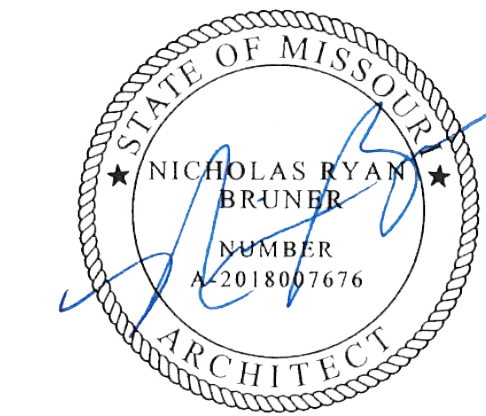
**WINDOW  
ELEVATIONS AND  
DETAILS**

SHEET NUMBER:

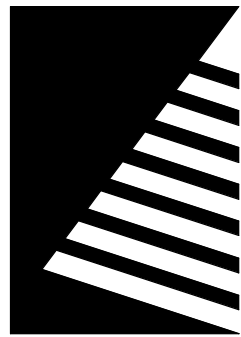
**A-603**

SHEET 85 OF 197  
ISSUE DATE: 08/15/2024





Dated: 08/15/2024



## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

### 100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

### UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01

SITE #: 6803

ASSET #: 8136803002

FAI #: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SLV

CHECKED BY: NRB

DESIGNED BY: JJH

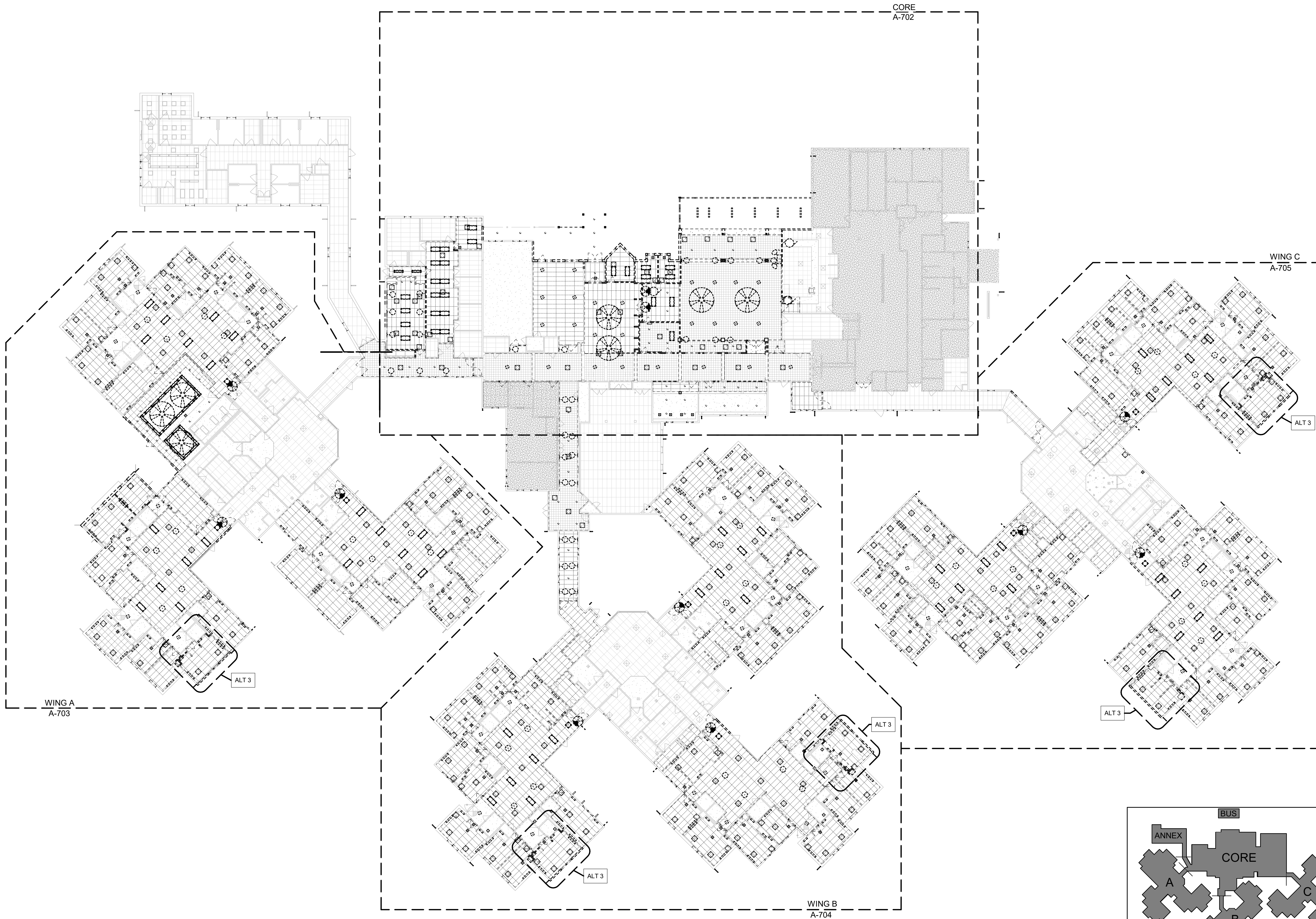
SHEET TITLE:

### OVERALL DEMO REFLECTED CEILING PLAN

SHEET NUMBER:

# A-701

SHEET 86 OF 197  
ISSUE DATE: 08/15/2024



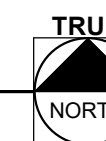
AREA NOT IN CONTRACT

0 10 20 40



KEY PLAN

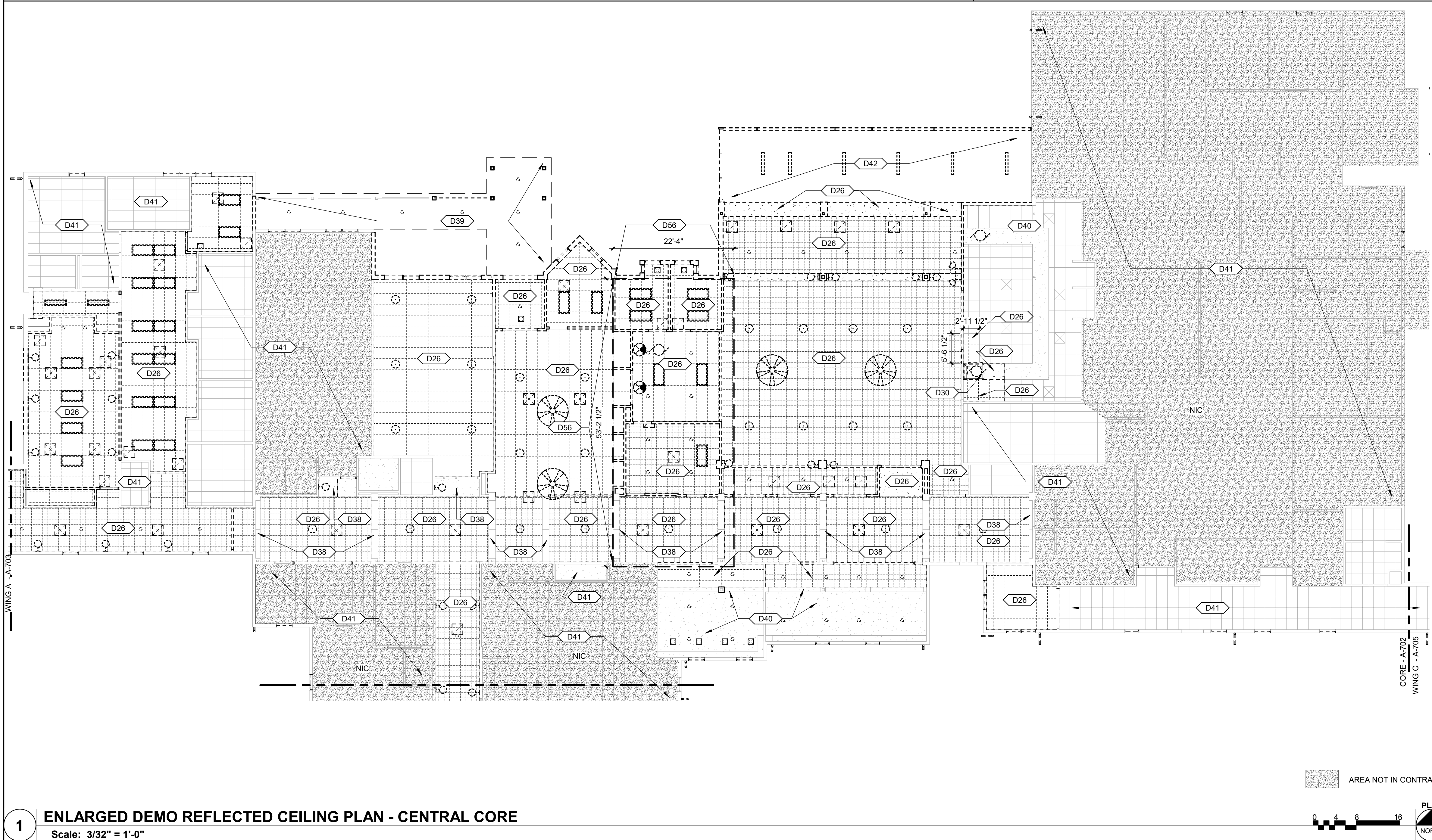
SCALE: NO SCALE





DEMOLITION KEYNOTES	
D26	EXISTING CEILING SYSTEM TO BE REMOVED; SEE MEP DRAWINGS FOR REMAINDER OF CEILING DEMOLITION ITEMS
D30	EXISTING CONDENSATE HOOD TO BE REMOVED AND RELOCATED, SEE MECHANICAL DRAWINGS. INFILL FLOOR FRAMING AS INDICATED ON THE MEZZANINE PLAN
D38	EXISTING ARCHED GYPSUM BOARD CEILING TO REMAIN
D39	REMOVE EXISTING CANOPY STRUCTURE, SOFFIT, LIGHTING, AND FANS IN THEIR ENTIRETY
D40	EXISTING CEILING SYSTEM TO REMAIN; SEE MEP DRAWINGS FOR REMAINDER OF CEILING DEMOLITION ITEMS
D41	EXISTING CEILING SYSTEM TO REMAIN
D42	EXISTING GLASS CEILING AND WINDOW BLIND SYSTEM TO BE REMOVED IN ITS ENTIRETY
D56	AREA WHERE EXISTING STRUCTURAL FRAMING TO BE REMOVED PER STRUCTURAL'S DRAWINGS. FIELD VERIFY WHETHER GYPSUM BOARD RATED LID AND INSULATION ARE ASSOCIATED WITH STRUCTURE. IF SO, CONTRACTOR TO REPLACE PER NOTES AND DETAILS.

DEMOLITION GENERAL NOTES	
A.	EXISTING CONDITIONS INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE BUT HAS NOT BEEN FIELD VERIFIED.
B.	CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION RELATED CONDITIONS PRIOR TO STARTING DEMOLITION OR NEW CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
C.	EXISTING CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED – COORDINATE WITH NEW CONSTRUCTION.
D.	CONTRACTOR SHALL MAINTAIN THE BUILDING IN A WEATHERPROOF CONDITION AT ALL TIMES.
E.	PROJECTS SHALL REMAIN IN COMPLIANCE WITH ALL ASPECTS OF ALL GOVERNING CODES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, EXITING, FIRE ALARM SYSTEM(S) SMOKE/FIRE DETECTION SYSTEM(S) SPRINKLER SYSTEM(S).
F.	ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE SO REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE THE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY.
G.	DEMOLITION DRAWINGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE RESPONSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO ACCOMMODATE NEW WORK.
H.	THE OWNER WILL RETAIN ALL SALVAGE THAT IS OF VALUE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE OWNER WILL DIRECT THE CONTRACTOR AS TO THE LOCATION OF STORAGE AREA FOR VARIOUS ITEMS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING FROM THE BUILDING AND THE CONSTRUCTION SITE ALL CONSTRUCTION DEBRIS AND/OR ITEMS NOT RETAINED BY THE OWNER'S REPRESENTATIVE.
I.	THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS WHICH WILL BE REUSED IN THIS PROJECT.
J.	TEMPORARY BARRICADES AS PERTAINING TO CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PERSONS IN AND ROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE WITH OWNER.
K.	EXISTING ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC., TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
L.	PROTECT ALL FINISH ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION AND DEMOLITION.
M.	PRIOR TO DEMOLITION, ENSURE THE STABILITY OF ANY WALLS TO REMAIN.
N.	ALL AREAS TO BE DEMOLISHED OR DISTURBED BY ANY DEMOLITION ARE TO BE PATCHED AND PAINTED (OR PREPARED FOR OTHER SCHEDULED FINISH). IF PAINTING IS REQUIRED, ENTIRE WALL SHALL RECEIVE PAINT TO AVOID MISMATCH OF COLOR.
O.	ALL OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ETC., SHALL BE PROPERLY PATCHED AND CLOSED OFF TO MAINTAIN PROPER FIRE RATING IN AFFECTED WALL, FLOOR, OR ROOF. PREPARE PATCHED AREAS TO RECEIVE NEW FINISHES AS SCHEDULES (OR MATCH EXISTING FINISHES IF NOT OTHERWISE IDENTIFIED).
P.	WHEN PATCH OF EXISTING FLOOR IS REQUIRED, SLOPING OR RAMPING IN EXCESS OF CONTRACT TOLERANCES WILL NOT BE ALLOWED (1/8" PER 10 FEET MAXIMUM).
Q.	UPON REMOVAL OF TEMPORARY PARTITIONS, CONTRACTOR IS RESPONSIBLE FOR PATCHING TO MATCH EXISTING ADJACENT CONSTRUCTION.
R.	AT CONSTRUCTION ACCESS, CONTRACTOR TO PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.
S.	WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT
T.	WALLS TO BE REMOVED SHALL BE FROM FLOOR TO STRUCTURE ABOVE UNLESS OTHERWISE INDICATED AND SHALL INCLUDE ALL MECHANICAL, ELECTRICAL, ETC. PREPARE ALL DISTURBED AREAS FOR NEW CONSTRUCTION.
U.	WHERE REMOVAL OF A FINISHED CEILING IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE CONSTRUCTION. ALL ACOUSTICAL CEILINGS TO BE REMOVED SHALL INCLUDE RELATED SUPPORT SYSTEMS, CEILING TILES, LIGHT FIXTURES, GRILLES, DIFFUSERS, EXIT SIGNS, AND OTHER ELECTRICAL OR COMMUNICATION DEVICES.
V.	WHERE REMOVAL OF FLOOR COVERING AND/OR RESILIENT BASE IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE DEMOLITION. DEMOLITION INCLUDES REMOVAL OF ADHESIVES, GROUTING BEDS, ETC. AND REQUIRES REMAINING SURFACES TO BE PREPPED FOR NEW CONSTRUCTION.
W.	REMOVAL OF CERAMIC TILE AND GROUT BEDS FROM EXISTING WALLS AND FLOOR SHALL INCLUDE PREPARATION FOR NEW CONSTRUCTION.
X.	REMOVAL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, ETC. LINES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS.
Y.	REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS.
Z.	REMOVAL OF EXISTING ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING DEVICES, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE OUTLETS AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
AA.	WHILE IT IS NOT EXPECTED, IF HAZARDOUS MATERIALS, SUCH AS ASBESTOS AND/OR LEAD PAINT, IS ENCOUNTERED ON THE PROJECT SITE, THE OWNER SHALL ENGAGE A TESTING COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE ABATEMENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABATEMENT CONTRACTOR.
BB.	TEMPORARY HEATING DURING CONSTRUCTION TO MAINTAIN 71-81 DEGREES.
CC.	IF ALT #3 IS NOT SELECTED, RESIDENT ROOM FINISHES, LIGHTING, AND CASEWORK REMAIN PART OF BASE BID.
DD.	REPLACE ALL EXISTING VINYL SIDING AND TRIMS WHERE OCCURS, AND REPLACE WITH NEW FIBER CEMENT SIDING AND TRIMS AS REQUIRED. COORDINATE WITH SPECIFICATIONS FOR PRODUCT INFORMATION



100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: SLV  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:  
**ENLARGED DEMO  
REFLECTED CEILING  
PLAN - CENTRAL  
CORE**

SHEET NUMBER:  
**A-702**

SHEET 87 OF 197  
ISSUE DATE: 08/15/2024

KEY PLAN  
SCALE: NO SCALE

TRUE NORTH

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR

NICHOLAS RYAN  
BRUNER  
ARCHITECT  
NUMBER  
A-2018067676

Dated: 08/15/2024

Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: SLV  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:  
**ENLARGED DEMO  
REFLECTED CEILING  
PLAN - CENTRAL  
CORE**

SHEET NUMBER:  
**A-702**

SHEET 87 OF 197  
ISSUE DATE: 08/15/2024

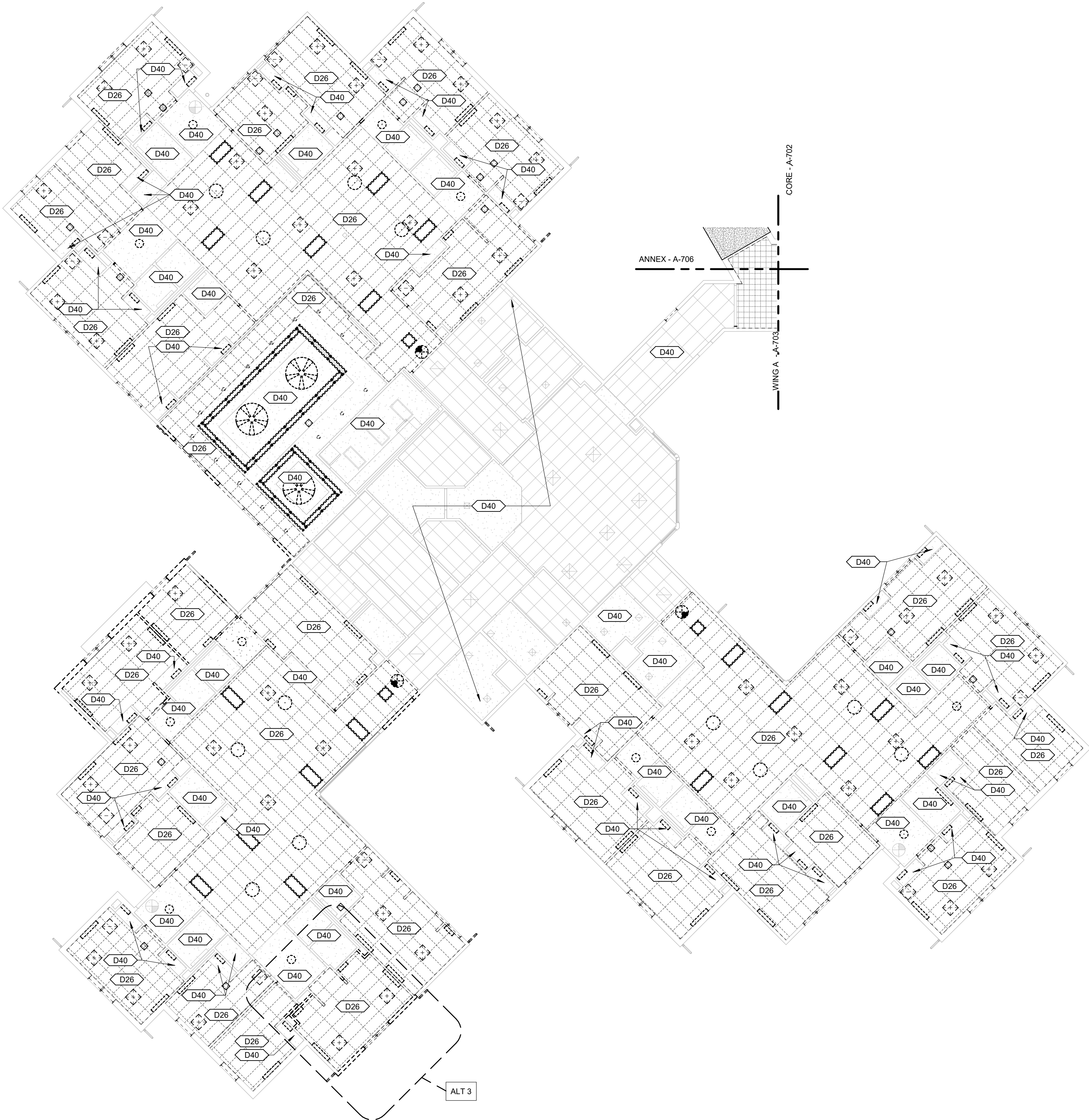
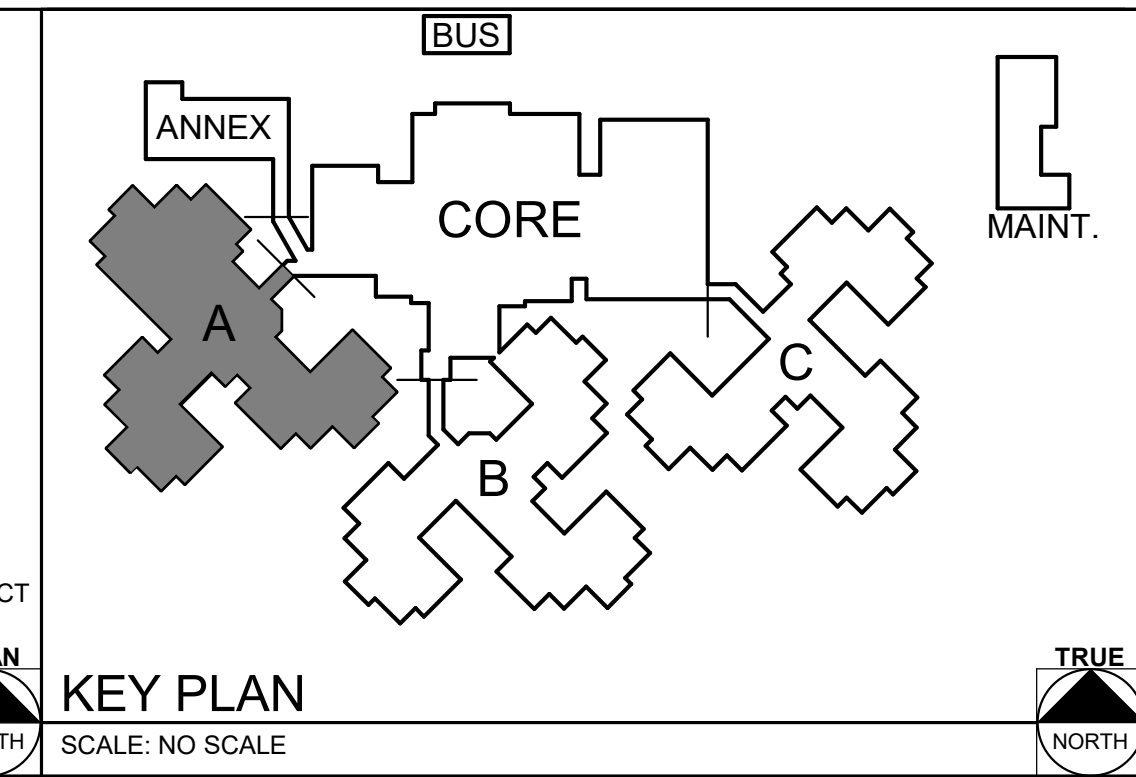


DEMOLITION KEYNOTES

- D26 EXISTING CEILING SYSTEM TO BE REMOVED; SEE MEP DRAWINGS FOR REMAINDER OF CEILING DEMOLITION ITEMS
- D40 EXISTING CEILING SYSTEM TO REMAIN; SEE MEP DRAWINGS FOR REMAINDER OF CEILING DEMOLITION ITEMS

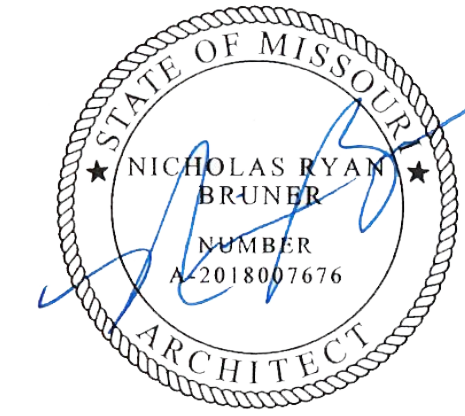
DEMOLITION GENERAL NOTES

- A. EXISTING CONDITIONS INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE BUT HAS NOT BEEN FIELD VERIFIED.
- B. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION RELATED CONDITIONS PRIOR TO STARTING DEMOLITION OR NEW CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- C. EXISTING CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED – COORDINATE WITH NEW CONSTRUCTION.
- D. CONTRACTOR SHALL MAINTAIN THE BUILDING IN A WEATHERPROOF CONDITION AT ALL TIMES.
- E. PROJECTS SHALL REMAIN IN COMPLIANCE WITH ALL ASPECTS OF ALL GOVERNING CODES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, EXITING, FIRE ALARM SYSTEM(S) SMOKE/FIRE DETECTION SYSTEM(S) SPRINKLER SYSTEM(S).
- F. ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE SO REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE THE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY.
- G. DEMOLITION DRAWINGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE RESPONSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO ACCOMMODATE NEW WORK.
- H. THE OWNER WILL RETAIN ALL SALVAGE THAT IS OF VALUE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE OWNER WILL DIRECT THE CONTRACTOR AS TO THE LOCATION OF STORAGE AREA FOR VARIOUS ITEMS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING FROM THE BUILDING AND THE CONSTRUCTION SITE ALL CONSTRUCTION DEBRIS AND/OR ITEMS NOT RETAINED BY THE OWNER'S REPRESENTATIVE.
- I. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS WHICH WILL BE REUSED IN THIS PROJECT.
- J. TEMPORARY BARRICADES AS PERTAINING TO CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PERSONS IN AND ROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE WITH OWNER.
- K. EXISTING ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC., TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- L. PROTECT ALL FINISH ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION AND DEMOLITION.
- M. PRIOR TO DEMOLITION, ENSURE THE STABILITY OF ANY WALLS TO REMAIN.
- N. ALL AREAS TO BE DEMOLISHED OR DISTURBED BY ANY DEMOLITION ARE TO BE PATCHED AND PAINTED (OR PREPARED FOR OTHER SCHEDULED FINISH). IF PAINTING IS REQUIRED, ENTIRE WALL SHALL RECEIVE PAINT TO AVOID MISMATCH OF COLOR.
- O. ALL OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ETC., SHALL BE PROPERLY PATCHED AND CLOSED OFF TO MAINTAIN PROPER FIRE RATING IN AFFECTED WALL, FLOOR, OR ROOF. PREPARE PATCHED AREAS TO RECEIVE NEW FINISHES AS SCHEDULES (OR MATCH EXISTING FINISHES IF NOT OTHERWISE IDENTIFIED).
- P. WHEN PATCH OF EXISTING FLOOR IS REQUIRED, SLOPING OR RAMPING IN EXCESS OF CONTRACT TOLERANCES WILL NOT BE ALLOWED (1/8" PER 10 FEET MAXIMUM).
- Q. UPON REMOVAL OF TEMPORARY PARTITIONS, CONTRACTOR IS RESPONSIBLE FOR PATCHING TO MATCH EXISTING ADJACENT CONSTRUCTION.
- R. AT CONSTRUCTION ACCESS, CONTRACTOR TO PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.
- S. WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT
- T. WALLS TO BE REMOVED SHALL BE FROM FLOOR TO STRUCTURE ABOVE UNLESS OTHERWISE INDICATED AND SHALL INCLUDE ALL MECHANICAL, ELECTRICAL, ETC. PREPARE ALL DISTURBED AREAS FOR NEW CONSTRUCTION.
- U. WHERE REMOVAL OF A FINISHED CEILING IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE CONSTRUCTION. ALL ACOUSTICAL CEILINGS TO BE REMOVED SHALL INCLUDE RELATED SUPPORT SYSTEMS, CEILING TILES, LIGHT FIXTURES, GRILLES, DIFFUSERS, EXIT SIGNS, AND OTHER ELECTRICAL OR COMMUNICATION DEVICES.
- V. WHERE REMOVAL OF FLOOR COVERING AND/OR RESILIENT BASE IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE DEMOLITION. DEMOLITION INCLUDES REMOVAL OF ADHESIVES, GROUTING BEDS, ETC. AND REQUIRES REMAINING SURFACES TO BE PREPPED FOR NEW CONSTRUCTION.
- W. REMOVAL OF CERAMIC TILE AND GROUT BEDS FROM EXISTING WALLS AND FLOOR SHALL INCLUDE PREPARATION FOR NEW CONSTRUCTION.
- X. REMOVAL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, ETC. LINES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS.
- Y. REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS.
- Z. REMOVAL OF EXISTING ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING DEVICES, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE OUTLETS AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- AA. WHILE IT IS NOT EXPECTED, IF HAZARDOUS MATERIALS, SUCH AS ASBESTOS AND/OR LEAD PAINT, IS ENCOUNTERED ON THE PROJECT SITE, THE OWNER SHALL ENGAGE A TESTING COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE ABATEMENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABATEMENT CONTRACTOR.
- BB. TEMPORARY HEATING DURING CONSTRUCTION TO MAINTAIN 71-81 DEGREES.
- CC. IF ALT #3 IS NOT SELECTED, RESIDENT ROOM FINISHES, LIGHTING, AND CASEWORK REMAIN PART OF BASE BID.
- DD. REPLACE ALL EXISTING VINYL SIDING AND TRIMS WHERE OCCURS, AND REPLACE WITH NEW FIBER CEMENT SIDING AND TRIMS AS REQUIRED. COORDINATE WITH SPECIFICATIONS FOR PRODUCT INFORMATION

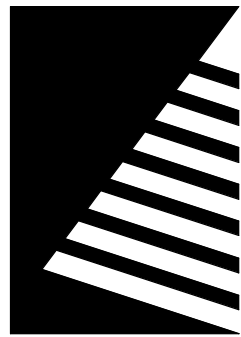


8/15/2024 10:28:08 AM

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SLV  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:  
ENLARGED DEMO  
REFLECTED CEILING  
PLAN - WING A

SHEET NUMBER:

A-703

SHEET 88 OF 197  
ISSUE DATE: 08/15/2024

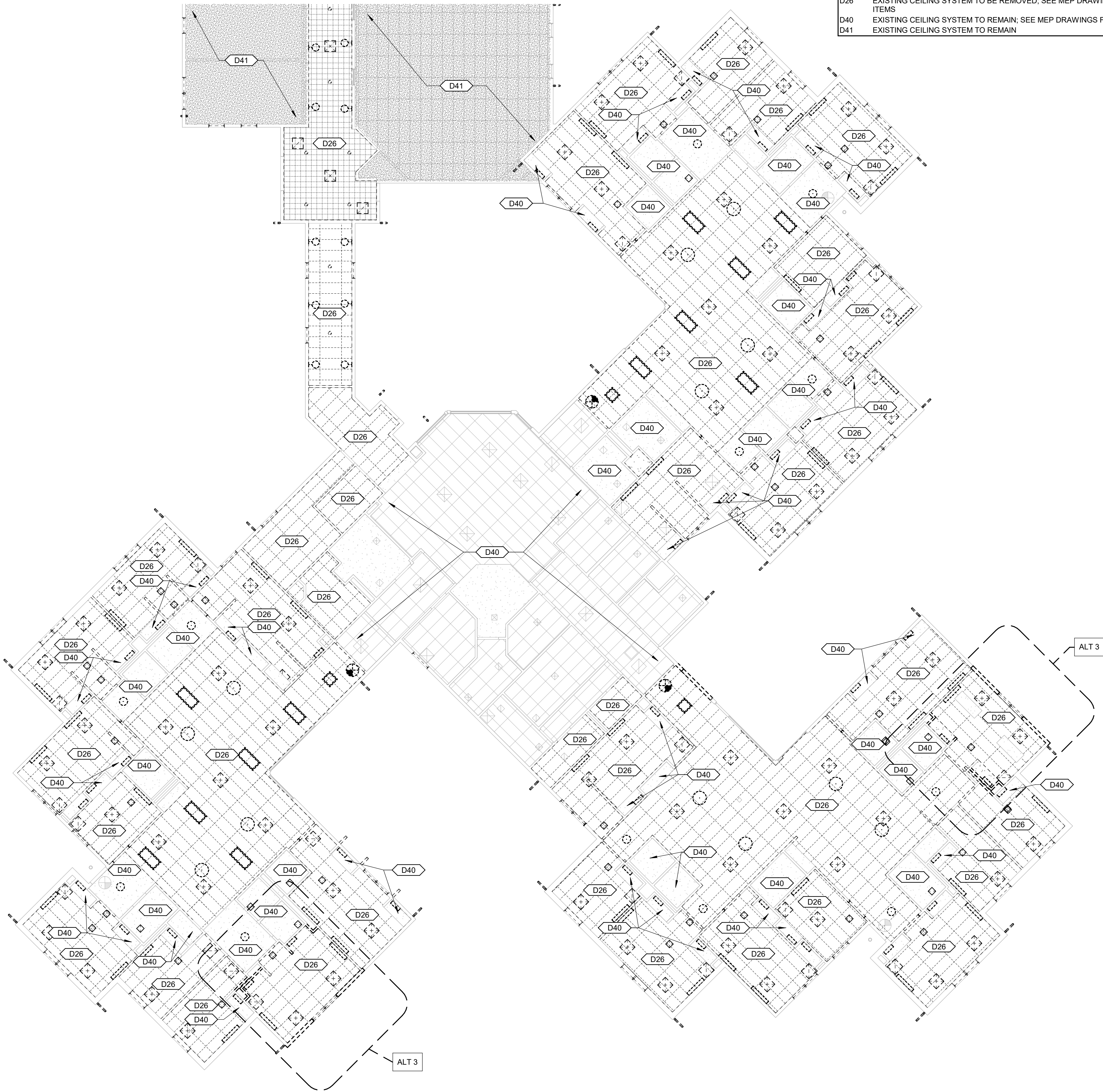


8/15/2024 10:28:14 AM

1

## ENLARGED DEMO REFLECTED CEILING PLAN - WING B

Scale: 3/32" = 1'-0"



### DEMOLITION KEYNOTES

- D26 EXISTING CEILING SYSTEM TO BE REMOVED; SEE MEP DRAWINGS FOR REMAINDER OF CEILING DEMOLITION ITEMS  
D40 EXISTING CEILING SYSTEM TO REMAIN; SEE MEP DRAWINGS FOR REMAINDER OF CEILING DEMOLITION ITEMS  
D41 EXISTING CEILING SYSTEM TO REMAIN

### DEMOLITION GENERAL NOTES

- A. EXISTING CONDITIONS INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE BUT HAS NOT BEEN FIELD VERIFIED.
- B. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION RELATED CONDITIONS PRIOR TO STARTING DEMOLITION OR NEW CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- C. EXISTING CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED - COORDINATE WITH NEW CONSTRUCTION.
- D. CONTRACTOR SHALL MAINTAIN THE BUILDING IN A WEATHERPROOF CONDITION AT ALL TIMES.
- E. PROJECTS SHALL REMAIN IN COMPLIANCE WITH ALL ASPECTS OF ALL GOVERNING CODES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, EXITING, FIRE ALARM SYSTEM(S) SMOKE/FIRE DETECTION SYSTEM(S) SPRINKLER SYSTEM(S).
- F. ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE SO REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE THE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY.
- G. DEMOLITION DRAWINGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE RESPONSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO ACCOMMODATE NEW WORK.
- H. THE OWNER WILL RETAIN ALL SALVAGE THAT IS OF VALUE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE OWNER WILL DIRECT THE CONTRACTOR AS TO THE LOCATION OF STORAGE AREA FOR VARIOUS ITEMS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING FROM THE BUILDING AND THE CONSTRUCTION SITE ALL CONSTRUCTION DEBRIS AND/OR ITEMS NOT RETAINED BY THE OWNER'S REPRESENTATIVE.
- I. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS WHICH WILL BE REUSED IN THIS PROJECT.
- J. TEMPORARY BARRICADES AS PERTAINING TO CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PERSONS IN AND ROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE WITH OWNER.
- K. EXISTING ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC. TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- L. PROTECT ALL FINISH ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION AND DEMOLITION.
- M. PRIOR TO DEMOLITION, ENSURE THE STABILITY OF ANY WALLS TO REMAIN.
- N. ALL AREAS TO BE DEMOLISHED OR DISTURBED BY ANY DEMOLITION ARE TO BE PATCHED AND PAINTED (OR PREPARED FOR OTHER SCHEDULED FINISH). IF PAINTING IS REQUIRED, ENTIRE WALL SHALL RECEIVE PAINT TO AVOID MISMATCH OF COLOR.
- O. ALL OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ETC. SHALL BE PROPERLY PATCHED AND CLOSED OFF TO MAINTAIN PROPER FIRE RATING IN AFFECTED WALL, FLOOR, OR ROOF. PREPARE PATCHED AREAS TO RECEIVE NEW FINISHES AS SCHEDULES (OR MATCH EXISTING FINISHES IF NOT OTHERWISE IDENTIFIED).
- P. WHEN PATCH OF EXISTING FLOOR IS REQUIRED, SLOPING OR RAMPING IN EXCESS OF CONTRACT TOLERANCES WILL NOT BE ALLOWED (1/8" PER 10 FEET MAXIMUM).
- Q. UPON REMOVAL OF TEMPORARY PARTITIONS, CONTRACTOR IS RESPONSIBLE FOR PATCHING TO MATCH EXISTING ADJACENT CONSTRUCTION.
- R. AT CONSTRUCTION ACCESS, CONTRACTOR TO PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.
- S. WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT
- T. WALLS TO BE REMOVED SHALL BE FROM FLOOR TO STRUCTURE ABOVE UNLESS OTHERWISE INDICATED AND SHALL INCLUDE ALL MECHANICAL, ELECTRICAL, ETC. PREPARE ALL DISTURBED AREAS FOR NEW CONSTRUCTION.
- U. WHERE REMOVAL OF A FINISHED CEILING IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE CONSTRUCTION. ALL ACOUSTICAL CEILINGS TO BE REMOVED SHALL INCLUDE RELATED SUPPORT SYSTEMS, CEILING TILES, LIGHT FIXTURES, GRILLES, DIFFUSERS, EXIT SIGNS, AND OTHER ELECTRICAL OR COMMUNICATION DEVICES.
- V. WHERE REMOVAL OF FLOOR COVERING AND/OR RESILIENT BASE IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE DEMOLITION. DEMOLITION INCLUDES REMOVAL OF ADHESIVES, GROUTING BEDS, ETC. AND REQUIRES REMAINING SURFACES TO BE PREPPED FOR NEW CONSTRUCTION.
- W. REMOVAL OF CERAMIC TILE AND GROUT BEDS FROM EXISTING WALLS AND FLOOR SHALL INCLUDE PREPARATION FOR NEW CONSTRUCTION.
- X. REMOVAL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, ETC. LINES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS.
- Y. REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS.
- Z. REMOVAL OF EXISTING ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING DEVICES, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE OUTLETS AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- AA. WHILE IT IS NOT EXPECTED, IF HAZARDOUS MATERIALS, SUCH AS ASBESTOS AND/OR LEAD PAINT, IS ENCOUNTERED ON THE PROJECT SITE, THE OWNER SHALL ENGAGE A TESTING COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE ABATEMENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABATEMENT CONTRACTOR.
- BB. TEMPORARY HEATING DURING CONSTRUCTION TO MAINTAIN 71-81 DEGREES.
- CC. IF ALT #3 IS NOT SELECTED, RESIDENT ROOM FINISHES, LIGHTING, AND CASEWORK REMAIN PART OF BASE BID.
- DD. REPLACE ALL EXISTING VINYL SIDING AND TRIMS WHERE OCCURS, AND REPLACE WITH NEW FIBER CEMENT SIDING AND TRIMS AS REQUIRED. COORDINATE WITH SPECIFICATIONS FOR PRODUCT INFORMATION

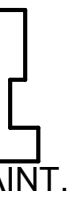
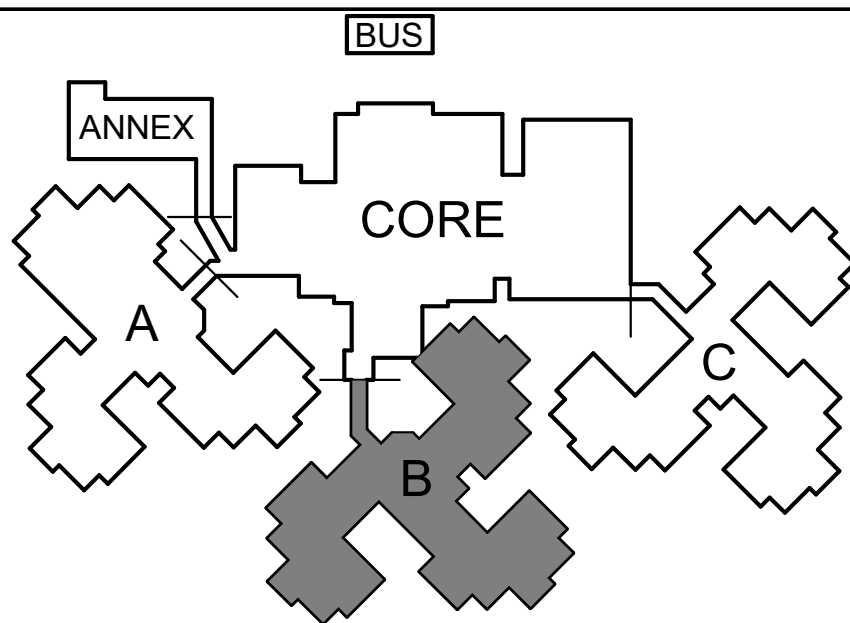
AREA NOT IN CONTRACT

0 4 8 16

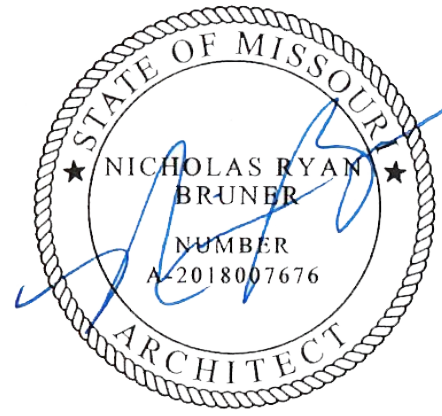


### KEY PLAN

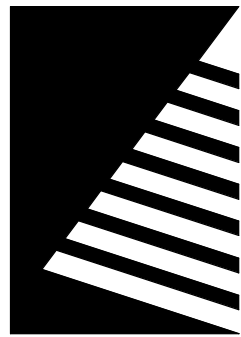
SCALE: NO SCALE



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SLV  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:

**ENLARGED DEMO  
REFLECTED CEILING  
PLAN - WING B**

SHEET NUMBER:

**A-704**

SHEET 89 OF 197  
ISSUE DATE: 08/15/2024

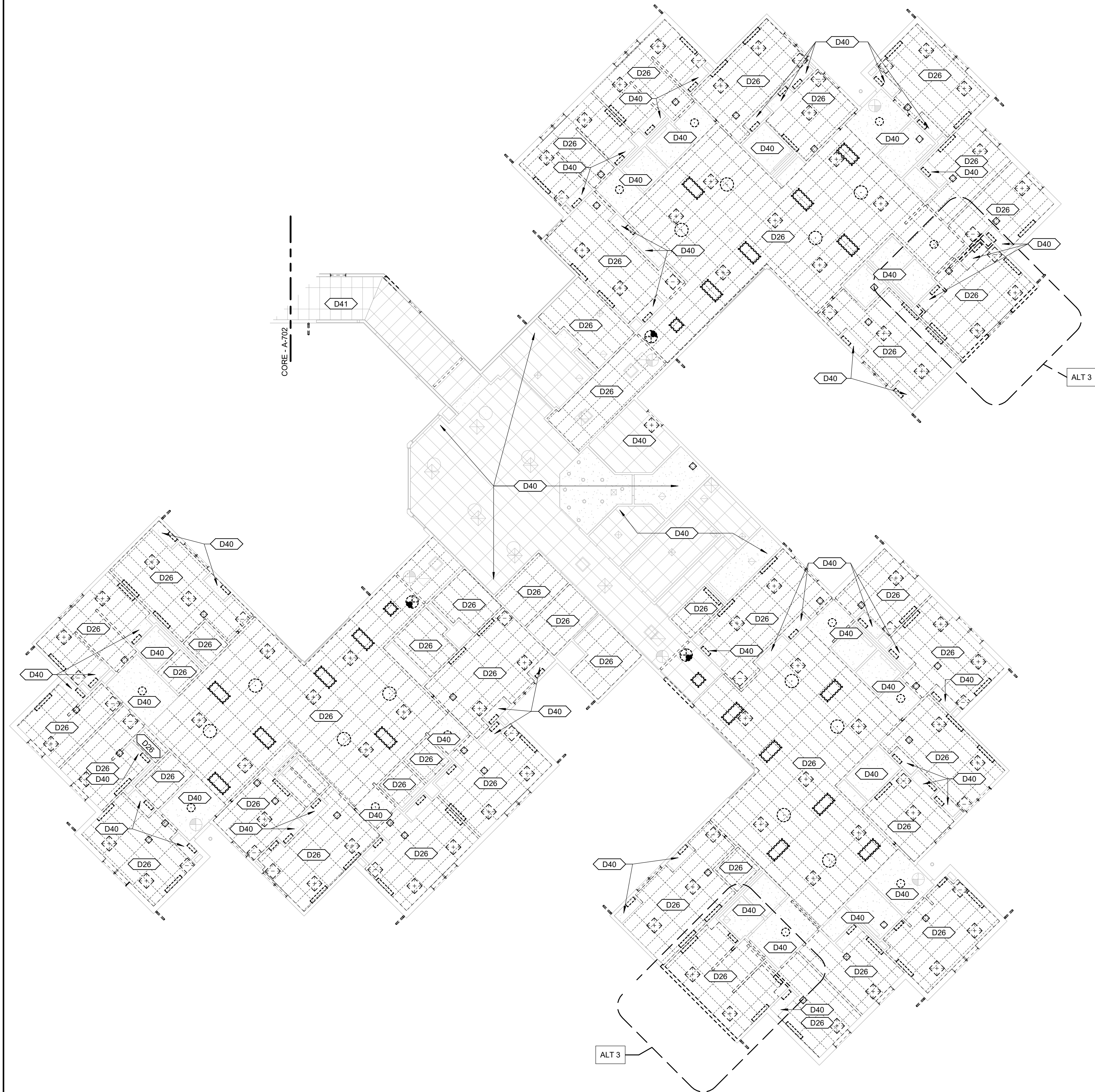


8/15/2024 10:28:23 AM

1

ENLARGED DEMO REFLECTED CEILING PLAN - WING C

Scale: 3/32" = 1'-0"



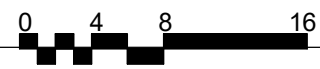
DEMOLITION KEYNOTES

- D26 EXISTING CEILING SYSTEM TO BE REMOVED; SEE MEP DRAWINGS FOR REMAINDER OF CEILING DEMOLITION ITEMS
- D40 EXISTING CEILING SYSTEM TO REMAIN; SEE MEP DRAWINGS FOR REMAINDER OF CEILING DEMOLITION ITEMS
- D41 EXISTING CEILING SYSTEM TO REMAIN

DEMOLITION GENERAL NOTES

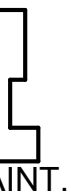
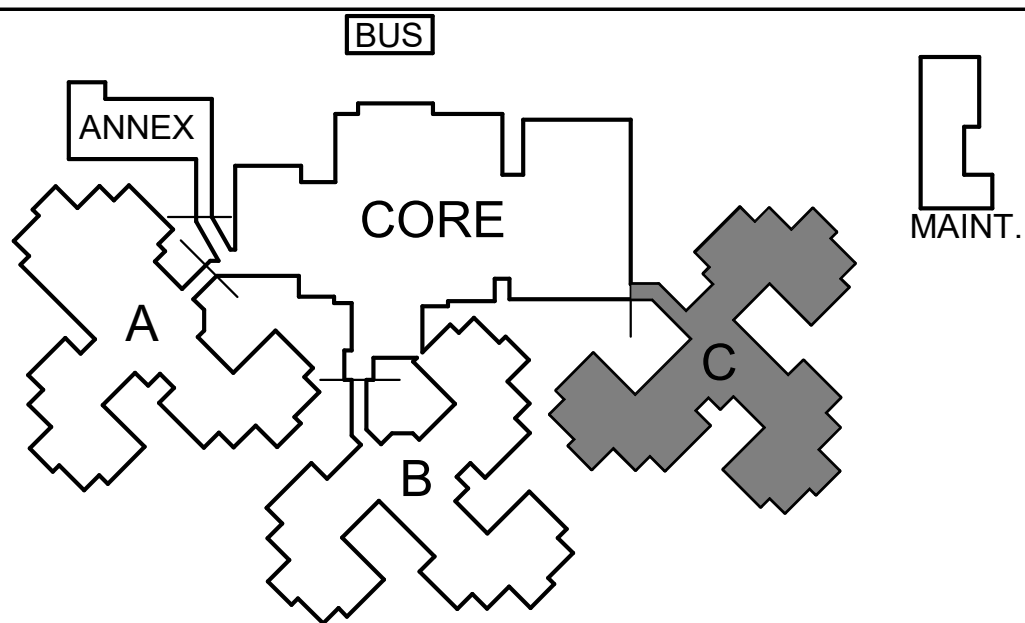
- A. EXISTING CONDITIONS INFORMATION SHOWN WITHIN THE PROJECT AREA IS BASED ON FIELD OBSERVATION AND EXISTING DRAWING DOCUMENTATION. EXISTING CONDITION INFORMATION SHOWN OUTSIDE THE PROJECT AREA IS PROVIDED FOR REFERENCE BUT HAS NOT BEEN FIELD VERIFIED.
- B. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION RELATED CONDITIONS PRIOR TO STARTING DEMOLITION OR NEW CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- C. EXISTING CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED – COORDINATE WITH NEW CONSTRUCTION.
- D. CONTRACTOR SHALL MAINTAIN THE BUILDING IN A WEATHERPROOF CONDITION AT ALL TIMES.
- E. PROJECTS SHALL REMAIN IN COMPLIANCE WITH ALL ASPECTS OF ALL GOVERNING CODES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, EXITING, FIRE ALARM SYSTEM(S) SMOKE/FIRE DETECTION SYSTEM(S) SPRINKLER SYSTEM(S).
- F. ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE SO REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE THE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY.
- G. DEMOLITION DRAWINGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE RESPONSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO ACCOMMODATE NEW WORK.
- H. THE OWNER WILL RETAIN ALL SALVAGE THAT IS OF VALUE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE OWNER WILL DIRECT THE CONTRACTOR AS TO THE LOCATION OF STORAGE AREA FOR VARIOUS ITEMS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING FROM THE BUILDING AND THE CONSTRUCTION SITE ALL CONSTRUCTION DEBRIS AND/OR ITEMS NOT RETAINED BY THE OWNER'S REPRESENTATIVE.
- I. THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS WHICH WILL BE REUSED IN THIS PROJECT.
- J. TEMPORARY BARRICADES AS PERTAINING TO CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PERSONS IN AND ROUND DEMOLITION AND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. COORDINATE WITH OWNER.
- K. EXISTING ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC. TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- L. PROTECT ALL FINISH ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION AND DEMOLITION.
- M. PRIOR TO DEMOLITION, ENSURE THE STABILITY OF ANY WALLS TO REMAIN.
- N. ALL AREAS TO BE DEMOLISHED OR DISTURBED BY ANY DEMOLITION ARE TO BE PATCHED AND PAINTED (OR PREPARED FOR OTHER SCHEDULED FINISH). IF PAINTING IS REQUIRED, ENTIRE WALL SHALL RECEIVE PAINT TO AVOID MISMATCH OF COLOR.
- O. ALL OPENINGS AND VOIDS LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, ETC. SHALL BE PROPERLY PATCHED AND CLOSED OFF TO MAINTAIN PROPER FIRE RATING IN AFFECTED WALL, FLOOR, OR ROOF. PREPARE PATCHED AREAS TO RECEIVE NEW FINISHES AS SCHEDULES (OR MATCH EXISTING FINISHES IF NOT OTHERWISE IDENTIFIED).
- P. WHEN PATCH OF EXISTING FLOOR IS REQUIRED, SLOPING OR RAMPING IN EXCESS OF CONTRACT TOLERANCES WILL NOT BE ALLOWED (1/8" PER 10 FEET MAXIMUM).
- Q. UPON REMOVAL OF TEMPORARY PARTITIONS, CONTRACTOR IS RESPONSIBLE FOR PATCHING TO MATCH EXISTING ADJACENT CONSTRUCTION.
- R. AT CONSTRUCTION ACCESS, CONTRACTOR TO PROVIDE LABOR AND MATERIALS TO REPAIR ALL DISTURBED ELEMENTS.
- S. WHERE A RATING HAS BEEN GIVEN TO AN EXISTING WALL, ALL PENETRATIONS (EXISTING OR NEW) SHALL BE SEALED AND PROPERLY FIREPROOFED PER THAT RATING REQUIREMENT
- T. WALLS TO BE REMOVED SHALL BE FROM FLOOR TO STRUCTURE ABOVE UNLESS OTHERWISE INDICATED AND SHALL INCLUDE ALL MECHANICAL, ELECTRICAL, ETC. PREPARE ALL DISTURBED AREAS FOR NEW CONSTRUCTION.
- U. WHERE REMOVAL OF A FINISHED CEILING IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE CONSTRUCTION. ALL ACOUSTICAL CEILINGS TO BE REMOVED SHALL INCLUDE RELATED SUPPORT SYSTEMS, CEILING TILES, LIGHT FIXTURES, GRILLES, DIFFUSERS, EXIT SIGNS, AND OTHER ELECTRICAL OR COMMUNICATION DEVICES.
- V. WHERE REMOVAL OF FLOOR COVERING AND/OR RESILIENT BASE IS REQUIRED, REMOVE ONLY WHAT IS NECESSARY TO COMPLETE DEMOLITION. DEMOLITION INCLUDES REMOVAL OF ADHESIVES, GROUTING BEDS, ETC. AND REQUIRES REMAINING SURFACES TO BE PREPPED FOR NEW CONSTRUCTION.
- W. REMOVAL OF CERAMIC TILE AND GROUT BEDS FROM EXISTING WALLS AND FLOOR SHALL INCLUDE PREPARATION FOR NEW CONSTRUCTION.
- X. REMOVAL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, ETC. LINES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS.
- Y. REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS.
- Z. REMOVAL OF EXISTING ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING DEVICES, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE OUTLETS AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- AA. WHILE IT IS NOT EXPECTED, IF HAZARDOUS MATERIALS, SUCH AS ASBESTOS AND/OR LEAD PAINT, IS ENCOUNTERED ON THE PROJECT SITE, THE OWNER SHALL ENGAGE A TESTING COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE ABATEMENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABATEMENT CONTRACTOR.
- BB. TEMPORARY HEATING DURING CONSTRUCTION TO MAINTAIN 71-81 DEGREES.
- CC. IF ALT #3 IS NOT SELECTED, RESIDENT ROOM FINISHES, LIGHTING, AND CASEWORK REMAIN PART OF BASE BID.
- DD. REPLACE ALL EXISTING VINYL SIDING AND TRIMS WHERE OCCURS, AND REPLACE WITH NEW FIBER CEMENT SIDING AND TRIMS AS REQUIRED. COORDINATE WITH SPECIFICATIONS FOR PRODUCT INFORMATION

AREA NOT IN CONTRACT

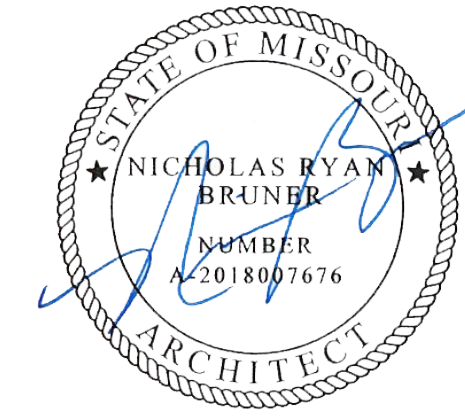


KEY PLAN

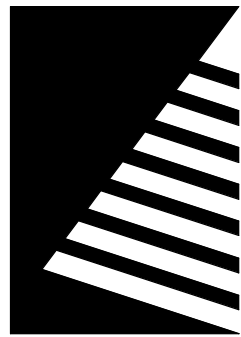
SCALE: NO SCALE



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SLV  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:

ENLARGED DEMO  
REFLECTED CEILING  
PLAN - WING C

SHEET NUMBER:

A-705

SHEET 90 OF 197  
ISSUE DATE: 08/15/2024

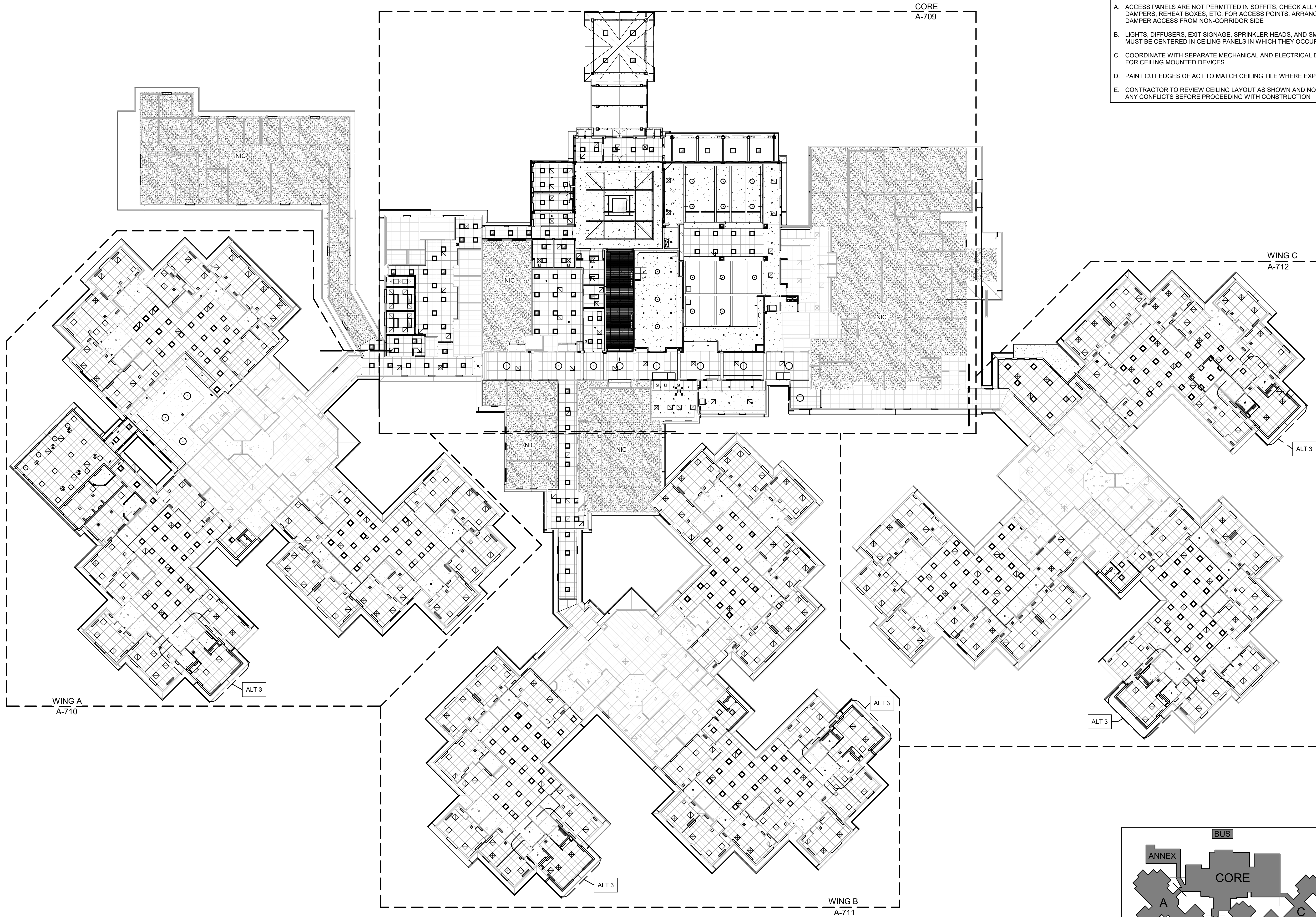


8/15/2024 10:29:45 AM

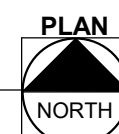
1

# OVERALL REFLECTED CEILING PLAN

Scale: 1" = 20'-0"

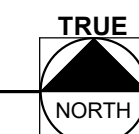
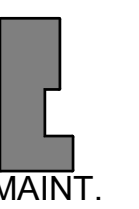
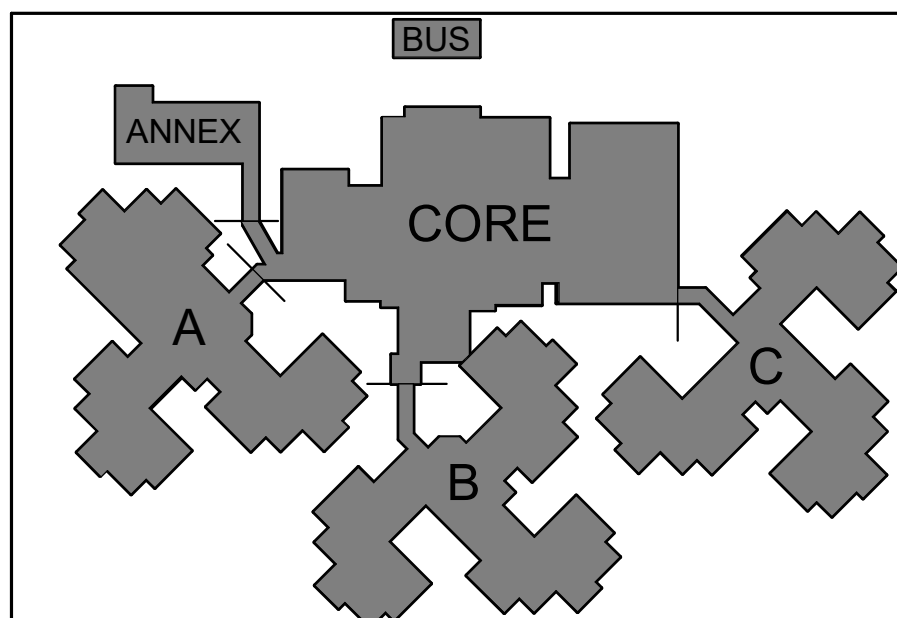


AREA NOT IN CONTRACT



## KEY PLAN

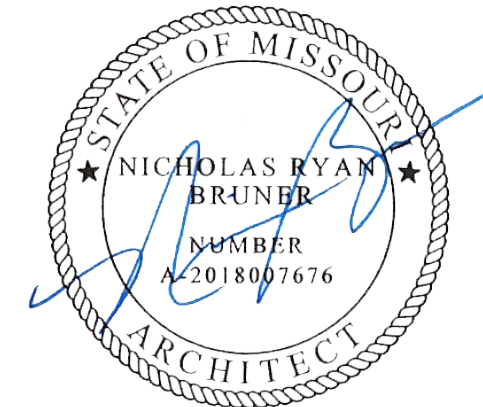
SCALE: NO SCALE



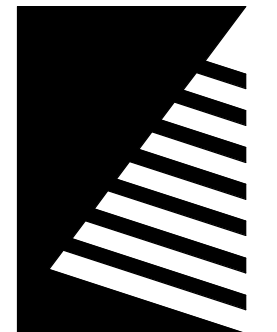
## REFLECTED CEILING PLAN GENERAL NOTES

- ACCESS PANELS ARE NOT PERMITTED IN SOFFITS, CHECK ALL VALVES, FIRE DAMPERS, REHEAT BOXES, ETC. FOR ACCESS POINTS, ARRANGE FIRE AND SMOKE DAMPER ACCESS FROM NON-CORRIDOR SIDE
- LIGHTS, DIFFUSERS, EXIT SIGNAGE, SPRINKLER HEADS, AND SMOKE DETECTORS MUST BE CENTERED IN CEILING PANELS IN WHICH THEY OCCUR
- COORDINATE WITH SEPARATE MECHANICAL AND ELECTRICAL DESIGN PACKAGES FOR CEILING MOUNTED DEVICES
- PAINT CUT EDGES OF ACT TO MATCH CEILING TILE WHERE EXPOSED TO VIEW
- CONTRACTOR TO REVIEW CEILING LAYOUT AS SHOWN AND NOTIFY ARCHITECT OF ANY CONFLICTS BEFORE PROCEEDING WITH CONSTRUCTION

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

## 100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01

SITE #: 6803

ASSET #: 8136803002

FAI #: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR

CHECKED BY: NRB

DESIGNED BY: J JH

SHEET TITLE:

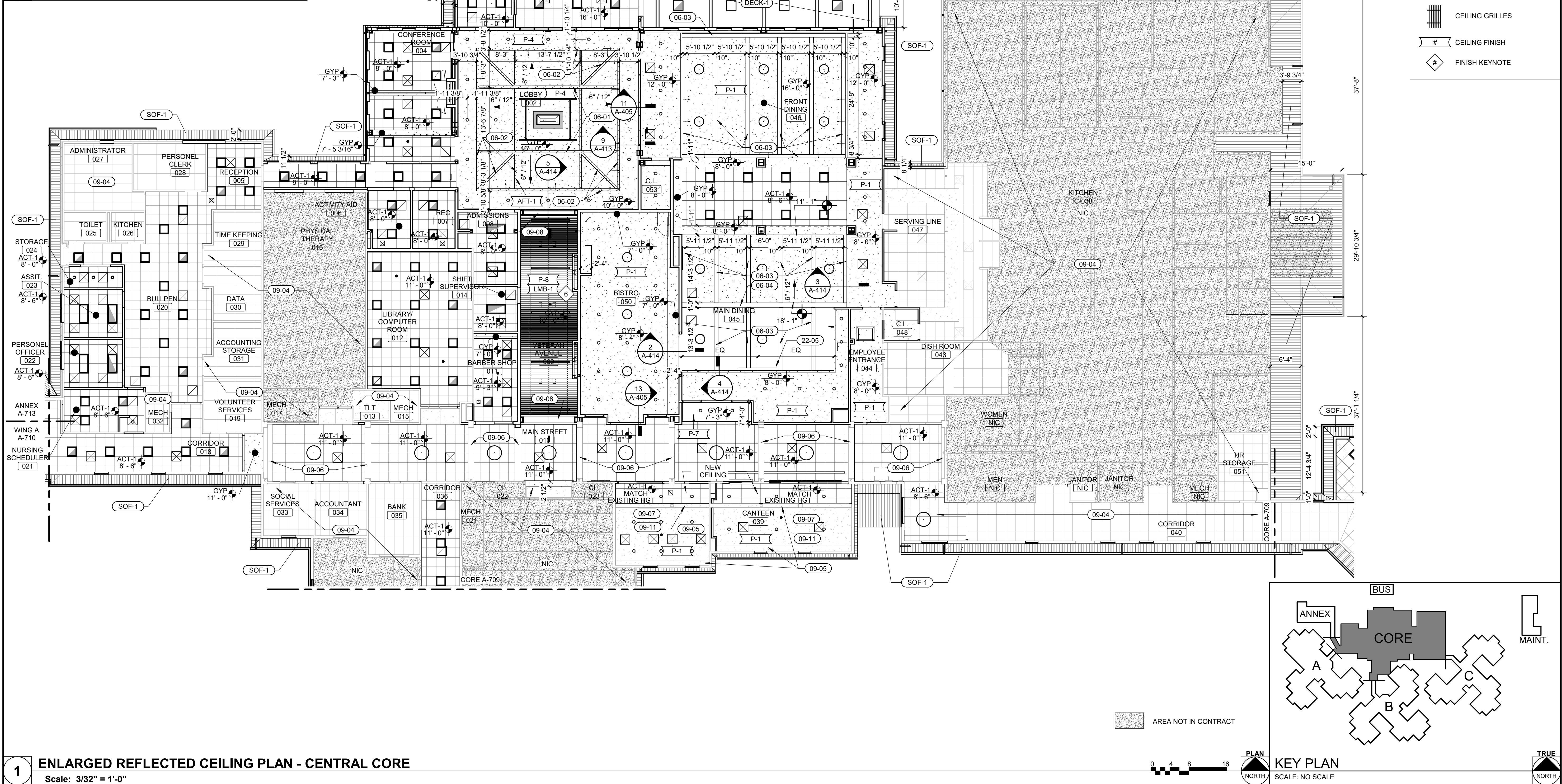
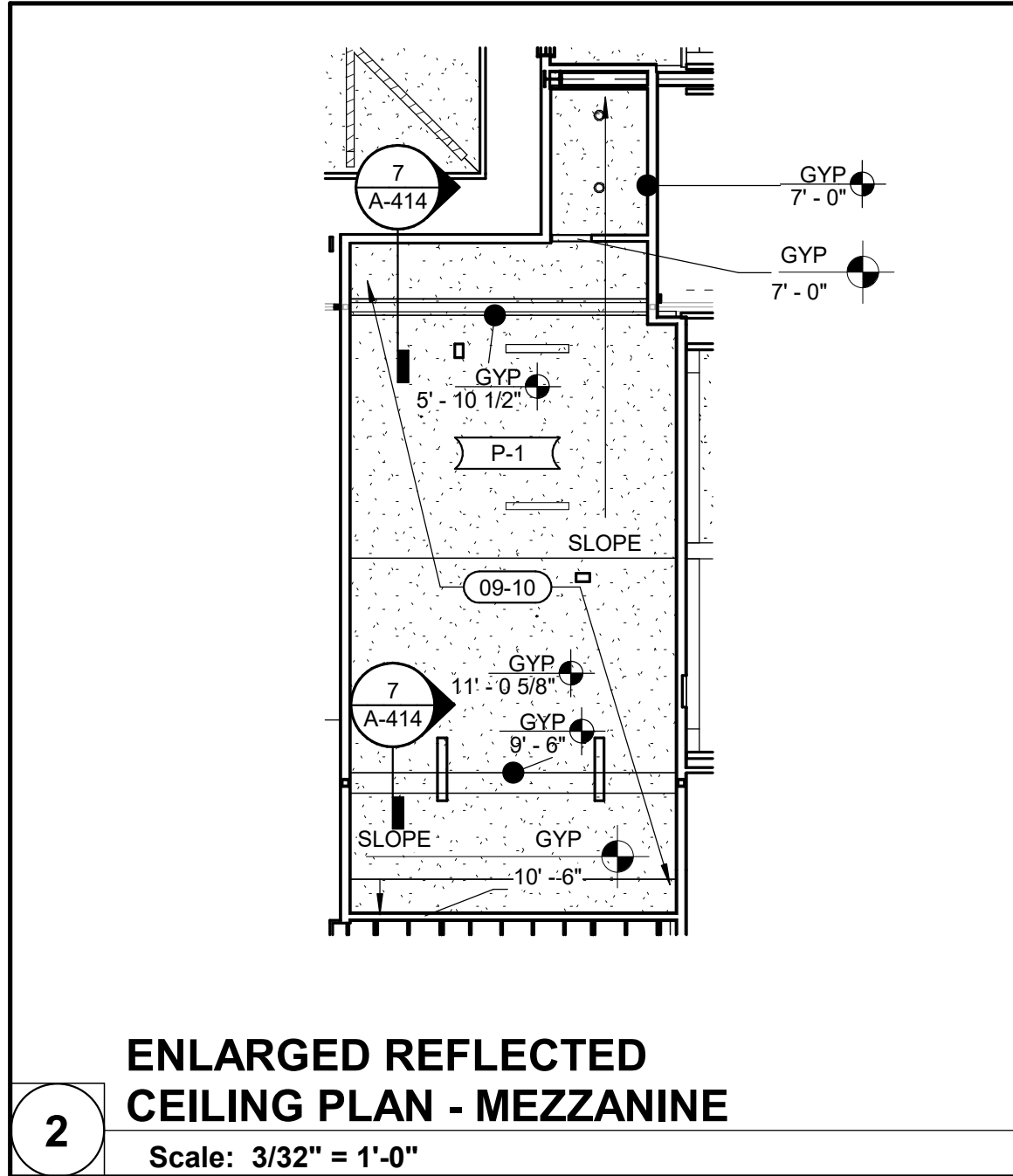
## OVERALL REFLECTED CEILING PLAN

SHEET NUMBER:

# A-706

SHEET 91 OF 197  
ISSUE DATE: 08/15/2024





EXTERIOR FINISH SCHEDULE				
MARK	BASIS OF DESIGN	BASIS OF DESIGN	SIZE	FINISH
DECK-1	VERMONT TIMBER WORKS	T&G EXPOSED DOUGLAS FIR WOOD DECKING	2X6 NOMINAL	NATURAL CEDAR TONE SEMI-TRANSPARENT-ARBORCOAT WHITE
SOF-1	ROLLEX	PREFINISHED ALUMINUM VENTED SOFFIT	SEE SPECIFICATIONS	
WD-1	VERMONT TIMBER WORKS	DOUGLAS FIR WOOD SUPPORTS	BY DELEGATED DESIGNER, MIN. 6 IN X 6 IN	NATURAL CEDAR TONE SEMI-TRANSPARENT-ARBORCOAT
				NOTES
				V-GROOVE JOINTS
				COLUMNS TO BE PLANNED AND CHAMFERED

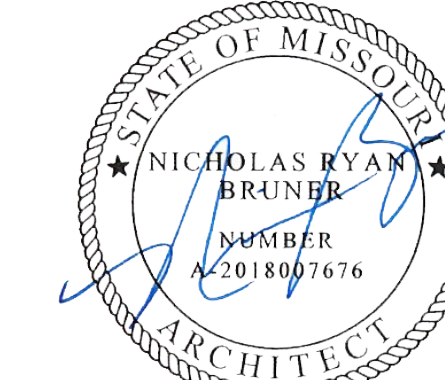
KEYNOTES (BY DIVISION)

DIVISION	KEYNOTES
06	06-01 FAUX WOOD TRUSS, SEE INTERIOR ELEVATIONS FOR DETAILS
06	06-02 6" FAUX WOOD BEAMS, SEE INTERIOR ELEVATIONS FOR DETAILS
06	06-03 10" FAUX WOOD BEAMS, SEE INTERIOR ELEVATIONS FOR DETAILS
06	06-04 12" FAUX WOOD BEAMS, SEE INTERIOR ELEVATIONS FOR DETAILS
09	09-04 EXISTING CEILING AND LIGHTING TO REMAIN
09	09-05 EXISTING SOFFIT TO REMAIN
09	09-06 EXISTING ARCH TRIM TO REMAIN
09	09-07 EXISTING CEILING TO REMAIN
09	09-08 NEW ARCHED OPENING - SEE ELEVATIONS AND DETAILS
09	09-10 NEW GYPSUM BOARD CEILING MOUNTED TO UNDERSIDE OF ROOF TRUSSES
09	09-11 PATCH AND INFILL DRYWALL WHERE PREVIOUS RECESSED LIGHTING WAS REMOVED. PREP SURFACE FOR NEW FINISHES
10	10-03 BIRD SPIKES TO FULLY EXTEND ALONG LEDGE AS INDICATED
22	22-05 RELOCATED WIRED BINGO BOARD, CONTRACTOR INSTALLED. MOUNT TO FACE OF SOFFIT AND PROVIDE WIRING TO POWER SOURCE. COORDINATE WITH ELECTRICAL DRAWINGS.

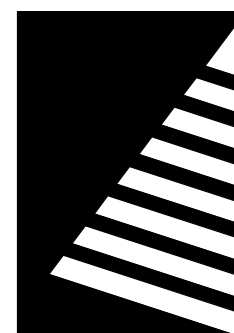
RCP LEGEND

- 2x2 LIGHT
- RECESSED CAN LIGHT
- VACANCY SENSOR
- PENDANT LIGHT
- ELEVATION MARKER
- SUPPLY
- RETURN
- CEILING FAN
- NOT IN CONTRACT
- PREFINISHED ALUMINUM VENTED SOFFIT
- CEILING GRILLES
- CEILING FINISH
- FINISH KEYNOTE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:  
ENLARGED  
REFLECTED CEILING  
PLAN - CENTRAL  
CORE

SHEET NUMBER:

A-707

SHEET 92 OF 197  
ISSUE DATE: 08/15/2024



8/15/2024 10:27:11 AM

1

# ENLARGED REFLECTED CEILING PLAN - WING A

Scale: 3/32" = 1'-0"



EXTERIOR FINISH SCHEDULE					
MARK	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN PRODUCT LINE	SIZE	FINISH	NOTES
SOF-1	ROLLEX	PREFINISHED ALUMINUM VENTED SOFFIT	SEE SPECIFICATIONS	WHITE	

## KEYNOTES (BY DIVISION)

DIVISION 09	#
09-04	EXISTING CEILING AND LIGHTING TO REMAIN
09-07	EXISTING CEILING TO REMAIN
09-09	REINSTALL CUBICLE TRACK IN SAME LOCATION

## RCP LEGEND

- 2x2 LIGHT
- RECESSED CAN LIGHT
- VACANCY SENSOR
- PENDANT LIGHT
- ELEVATION MARKER
- SUPPLY
- RETURN
- CEILING FAN
- NOT IN CONTRACT
- PREFINISHED ALUMINUM VENTED SOFFIT
- CEILING GRILLES
- CEILING FINISH
- FINISH KEYNOTE

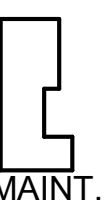
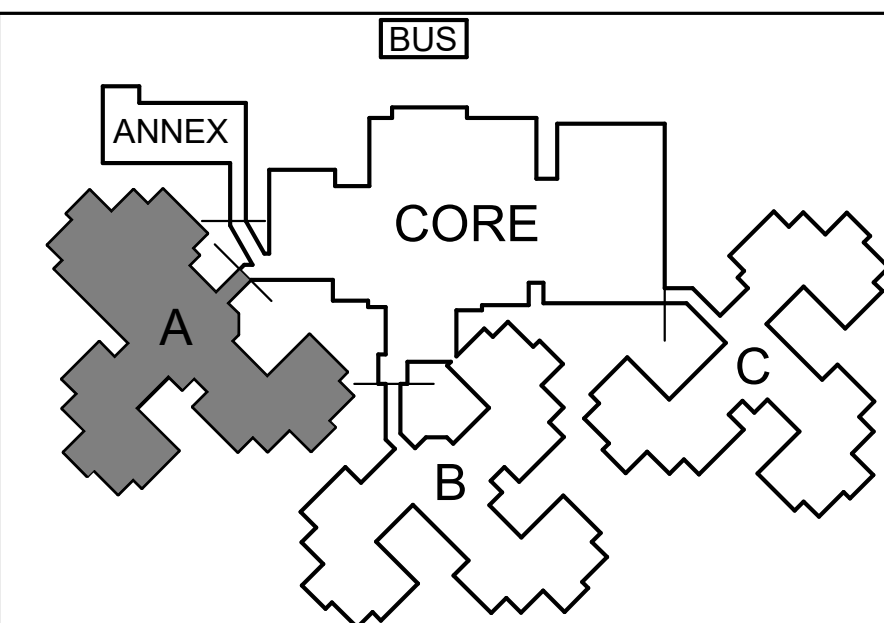
AREA NOT IN CONTRACT

0 4 8 16

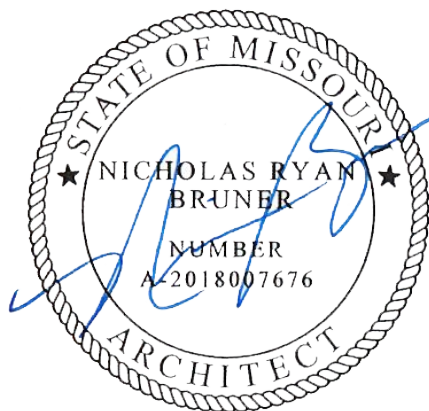


## KEY PLAN

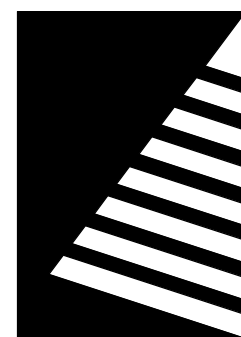
SCALE: NO SCALE



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Dated: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

## 100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
ASSET #: 8136803002  
FAI #: 29-043

# DATE: DESCRIPTION:

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JUH

SHEET TITLE:

**ENLARGED  
REFLECTED CEILING  
PLAN - WING A**

SHEET NUMBER:

**A-708**

SHEET 93 OF 197  
ISSUE DATE: 08/15/2024



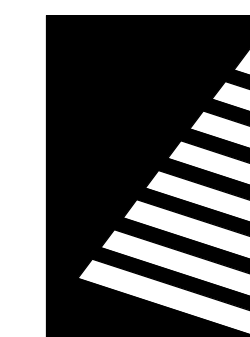


KEYNOTES (BY DIVISION)		#
DIVISION 09		
09-04	EXISTING CEILING AND LIGHTING TO REMAIN	
09-07	EXISTING CEILING TO REMAIN	
09-09	REINSTALL CUBICLE TRACK IN SAME LOCATION	

	2x2 LIGHT
	RECESSED CAN LIGHT
	VACANCY SENSOR
	PENDANT LIGHT
	ELEVATION MARKER
	SUPPLY
	RETURN
	CEILING FAN
	NOT IN CONTRACT
	PREFINISHED AL VENTED SOFFIT
	CEILING GRILLES
	CEILING FINISH
	FINISH KEYNOTE

STATE OF MISSOURI  
★ NICHOLAS RYAN BRUNER ★  
NUMBER  
A-2018007676  
ARCHITECT

Dated: 08/15/2024



20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / [info@f-w.com](mailto:info@f-w.com)

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
ASSET #.:	8136803002
FAI #.:	29-043

#	DATE:	DESCRIPTION
---	-------	-------------

DRAWN BY: AVR  
CHECKED BY: NRB  
DESIGNED BY: JJH

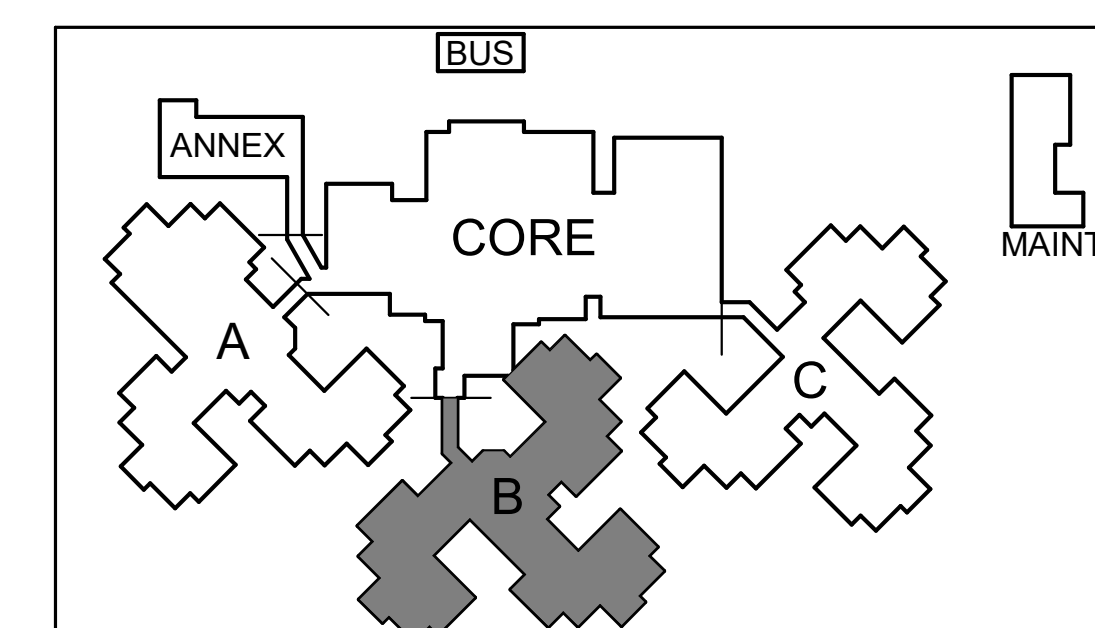
SHEET TITLE:

**ENLARGED  
REFLECTED CEILING  
PLAN - WING B**

SHEET NUMBER:

# A-709

SHEET 94 OF 197  
ISSUE DATE: 08/15/2024



KEY PLAN  
SCALE: NO SCALE





SHEET 95 OF 197  
ISSUE DATE: 08/15/2024



CEILING FINISH							
TAG	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN PRODUCT LINE	SIZE	COLOR	FINISH	NOTES	SUPPLIER / INSTALLER
ACT-1	USG CEILINGS	ECLIPSE CLIMA PLUS #76775 FINE FISSURE TEGULAR PANEL WITH DONN BRAND DX/DXL HEAVY DUTY ACOUSTICAL SUSPENSION SYSTEM WITH 15/16" GRID	24" X 24"	WHITE	FINE FISSURE	-	CFCI
ACT-2	ARMSTRONG CEILINGS	CLEAN ROOM FL #1715 WITH 15/16" GRID CLEAN ROOM STEEL GASKETED SUSPENDED SYSTEM, PATTERN GH SMOOTH	24" X 24"	WHITE	MYLAR	ALTERNATE #1	CFCI
AFT-1	BARRON DESIGNS	ARCHITECTURAL FAUX TRUSS AND BEAM; DRIFTWOOD COLLECTION	SEE REFLECTED CEILING PLANS	RICH WALNUT 1105	DRIFTWOOD	SEE SHEET A-412 FOR DETAILS	CFCI
LMB-1	USG CEILINGS	PLUS PLANX UNIVERSAL DEEP BOX PANELS LINEAR METAL PANEL SYSTEM	4" X 4" MODULE (3-1/16" x 4") 12" LENGTH; CUSTOM SPACING AT 3" REVEAL BETWEEN BAFFLES	S38 NATURAL WALNUT	SARANTE, WOOD GRAIN FINISH	COORDINATE SPACING WITH LIGHT FIXTURE AND ELECTRICAL CONTRACTOR	CFCI
P-1	SHERWIN WILLIAMS	SEE SPECIFICATIONS	--	SW 7008 ALABASTER	SEE SPECIFICATIONS	-	CFCI
P-4	SHERWIN WILLIAMS	SEE SPECIFICATIONS	--	SW 6199 RARE GRAY	SEE SPECIFICATIONS	-	CFCI
P-7	SHERWIN WILLIAMS	SEE SPECIFICATIONS	--	SW 6233 STILL WATER	SEE SPECIFICATIONS	-	CFCI
P-8	SHERWIN WILLIAMS	SEE SPECIFICATIONS	--	SW 6258 TRICORN BLACK	SEE SPECIFICATIONS	-	CFCI

WALL FINISH									
TAG	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN PRODUCT LINE	SIZE	COLOR	FINISH	GROUT		NOTES	SUPPLIER / INSTALLER
						TYPE	COLOR		
EX	--	TO MATCH EXISTING MATERIAL IN COLOR, FINISH AND TEXTURE	--		TO MATCH ADJACENT SURFACE	--	--	-	CFCI
MAS-1B	EARTHWORKS	THIN ADHERED STONE HARVEST MIX SNAPPED	3" - 9" SNAPPED	HARVEST MIX	--	TO MATCH FIREPLACE AND EXTERIOR APPLICATION	TO MATCH FIREPLACE AND EXTERIOR APPLICATION	-	CFCI
P-2	SHERWIN WILLIAMS	SEE SPECIFICATIONS	--	SW 6140 MODERATE WHITE	SEE SPECIFICATIONS	--	--	-	CFCI
P-3	SHERWIN WILLIAMS	SEE SPECIFICATIONS	--	SW 6157 FAVORITE TAN	SEE SPECIFICATIONS	--	--	-	CFCI
P-4	SHERWIN WILLIAMS	SEE SPECIFICATIONS	--	SW 6199 RARE GRAY	SEE SPECIFICATIONS	--	--	-	CFCI
P-5	SHERWIN WILLIAMS	SEE SPECIFICATIONS	--	SW 6177 SOFTENED GREEN	SEE SPECIFICATIONS	--	--	-	CFCI
P-6	SHERWIN WILLIAMS	SEE SPECIFICATIONS	--	SW 6219 RAIN	SEE SPECIFICATIONS	--	--	-	CFCI
P-7	SHERWIN WILLIAMS	SEE SPECIFICATIONS	--	SW 6223 STILL WATER	SEE SPECIFICATIONS	--	--	-	CFCI
P-8	SHERWIN WILLIAMS	SEE SPECIFICATIONS	--	SW 6258 TRICORN BLACK	SEE SPECIFICATIONS	--	--	-	CFCI
PVS-1	AZEK EXTERIORS	AZEK PVC BEVEL SIDING	4" REVEAL X 12' LENGTH	SHERWIN WILLIAMS EMERALD EXTERIOR ACRYLIC LATEX PAINT, VINYL SAFE VS 418 STONE COLD	FRONTIER, WOOD GRAIN	--	--	-	CFCI
PVS-2	AZEK EXTERIORS	AZEK PVC BEVEL SIDING	4" REVEAL X 12' LENGTH	SHERWIN WILLIAMS EMERALD EXTERIOR ACRYLIC LATEX PAINT, VINYL SAFE VS 352 LLAMA	FRONTIER, WOOD GRAIN	--	--	-	CFCI
PVS-3	AZEK EXTERIORS	AZEK PVC SHINGLE SIDING, STAGGERED EDGE	6" REVEAL	SHERWIN WILLIAMS EMERALD EXTERIOR ACRYLIC LATEX PAINT, VINYL SAFE VS 435 PEPPER SHAKER	FRONTIER, WOOD GRAIN	--	--	-	CFCI
SS-1	AVONITE	SOLID SURFACE WALL PANEL	1/4" THICK x FULL SHEET	#9036 SANDSTORM	SATIN	--	--	-	CFCI
T-1	DALTILE	ARTCRAFTED	4" X 4"	ALOE AC25	--	MAPEI, FLEXCOLOR CQ	TBD	INSTALLATION METHOD: STACKED	CFCI
T-2	LANDMARK CERAMICS	PRO LEDGESTONE RIDGE	6" X 24"	BLACK	--	MAPEI, FLEXCOLOR CQ	TBD	USE HEAVY DUTY SCHLUTER TRIM AT OUTSIDE CORNERS	CFCI
T-3	DAL TILE	PORTFOLIO	24" X 24"	COTTO PF10	MATTE	MAPEI, FLEXCOLOR CQ	TBD	INSTALLATION METHOD: STACKED	CFCI
T-4	FLORIDA TILE	LOCAL	8" X 36"	LCL30 CAFE	--	MAPEI, FLEXCOLOR CQ	TBD	INSTALLATION METHOD: 33% OFFSET	CFCI
T-5	DALTILE	COLOR WHEEL CLASSICS	3" X 6"	#0190 ARTIC WHITE	GLOSSY	MAPEI, FLEXCOLOR CQ	TBD	INSTALLATION METHOD: 50% BRICK OFFSET	CFCI
T-6	DALTILE	METALLICA	1" X 1" AND 1" X 2" SMALL BASKETWEAVE MOSAIC	#SS50 STAINLESS STEEL SMALL BASKETWEAVE MOSAIC	--	MAPEI, FLEXCOLOR CQ	TBD	INSTALLATION METHOD: STACKED	CFCI
T-7	LANDMARK CERAMICS	BRICK WORLD	3" X 12"	LONDON DARK	--	MAPEI, FLEXCOLOR CQ	TBD	INSTALLATION METHOD: 50% BRICK OFFSET	CFCI
T-8	LANDMARK CERAMICS	BRICK WORLD	3" X 12"	SOHO WHITE	--	MAPEI, FLEXCOLOR CQ	TBD	INSTALLATION METHOD: 50% BRICK OFFSET	CFCI
T-9	LANDMARK CERAMICS	BRICK WORLD	3" X 12"	LONDON RED	--	MAPEI, FLEXCOLOR CQ	TBD	INSTALLATION METHOD: 50% BRICK OFFSET	CFCI
T-10	DALTILE	COLOR WHEEL CLASSICS	4-1/4" X 4-1/4"	#0190 ARCTIC WHITE	GLOSSY	MAPEI, FLEXCOLOR CQ	TBD	INSTALLATION METHOD: STACKED TO MATCH EXISTING HEIGHT	CFCI
T-11	MARAZZI TILE	PRESERVATION	6" X 36"	PETRIFIED GRAY PR26	--	MAPEI, FLEXCOLOR CQ	TBD	INSTALLATION METHOD: 33% OFFSET	CFCI
TEX-1	-	DECORATIVE STUCCO FINISH	--	SW 7045 INTELLECTURAL GRAY	LIGHT TO MEDIUM LACE STUCCO TEXTURE	--	--	SEE 09 2613 GYPSUM VENEER PLASTER SPECIFICATION	CFCI
TEX-2	-	DECORATIVE STUCCO FINISH	--	SW 6140 MODERATE WHITE	LIGHT TO MEDIUM LACE STUCCO TEXTURE	--	--	SEE 09 2613 GYPSUM VENEER PLASTER SPECIFICATION	CFCI
WP-1	CONSTRUCTION SPECIALITIES	ACROVYN BY DESIGN PATTERNS TEXTILE COLLECTION, COARSE WEAVE PATTERN	.040" THICK, 4' x 8' SHEET	#14123 PEWTER	SUEDE	--	--	INSTALL AS WAINSCOT TO UNDERSIDE OF HORIZONTAL CHAIR RAIL	CFCI
WP-2	CONSTRUCTION SPECIALITIES	ACROVYN WALL COVERING, WOOD GRAINS	.040" THICK, 4' x 8' SHEET	#1609 WHITE PAPYRUS	SUEDE	--	--	INSTALL AS WAINSCOT TO UNDERSIDE OF HORIZONTAL CHAIR RAIL AND FULL HEIGHT ON COLUMNS	CFCI
WP-3	CONSTRUCTION SPECIALITIES	ACROVYN BY DESIGN PATTERNS ORGANIC COLLECTION, LINEN PATTERN	.040" THICK, 4' x 8' SHEET	#10141 HEARTHSTONE	SUEDE	--	--	INSTALL AS WAINSCOT TO UNDERSIDE OF HORIZONTAL CHAIR RAIL	CFCI
WP-4	CONSTRUCTION SPECIALITIES	ACROVYN BY DESIGN PATTERNS TEXTILE COLLECTION, HATCH PATTERN	.040" THICK, 4' x 8' SHEET	#14115 LENTIL	SUEDE	--	--	INSTALL AS WAINSCOT TO UNDERSIDE OF HORIZONTAL CHAIR RAIL	CFCI
WP-5	CONSTRUCTION SPECIALITIES	ACROVYN WALL COVERING, SOLID COLORS	.040" THICK, 4' x 8' SHEET	#108 BLACK	SUEDE	--	--	INSTALL AS WAINSCOT TO UNDERSIDE OF HORIZONTAL CHAIR RAIL	CFCI
WP-6	CONSTRUCTION SPECIALITIES	ACROVYN WALL COVERING, SOLID COLORS	.040" THICK, 4' x 8' SHEET	#949 WHITE	SUEDE	--	--	INSTALL AS WAINSCOT TO UNDERSIDE OF HORIZONTAL CHAIR RAIL	CFCI

WALL BASE FINISH									
TAG	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN PRODUCT LINE	SIZE	COLOR	FINISH	GROUT		NOTES	SUPPLIER / INSTALLER
						TYPE	COLOR		
DWB-1	CONSTRUCTION SPECIALTIES	ACROVYN DIMENSIONAL MOLDINGS, WALL BASE TRIM #SFR-WB, WOOD GRAIN COLLECTION	1/2" THICK x 6" H	#1609 WHITE PAPYRUS	SUEDE	N/A	N/A		CFCI
DWB-2	CONSTRUCTION SPECIALTIES	ACROVYN DIMENSIONAL MOLDINGS, WALL BASE TRIM #SFR-WB, WOOD GRAIN COLLECTION	1/2" THICK x 8" H	#1609 WHITE PAPYRUS	SUEDE	N/A	N/A		CFCI
EX	--	TO MATCH EXISTING ADJACENT FINISH, COLOR, SIZE, PROFILE AND FINISH	TO MATCH EXISTING ADJACENT BASE	TO MATCH EXISTING ADJACENT COLOR	TO MATCH EXISTING ADJACENT FINISH	N/A	N/A		
MB-1	TARKETT	MILLWORK WALL BASE, PROFILE: MANDALAY	6" H x 3/8" THICK	#08 ICICLE	--	N/A	N/A		CFCI
MB-2	TARKETT	MILLWORK WALL BASE, PROFILE: MANDALAY	4.5" H X 3/8" THICK	#32 PEBBLE	--	N/A	N/A		CFCI
MB-3	TARKETT	MILLWORK WALL BASE, PROFILE: MANDALAY	6" H x 3/8" THICK	#40 BLACK	--	N/A	N/A		CFCI
RB-1	TARKETT	BASEWORKS RUBBER COVE BASE WITH TOE	4" H x 1/8" THICK	#32 PEBBLE	--	N/A	N/A		CFCI
RF-1	SHERWIN WILLIAMS	GENERAL POLYMERS DECORATIVE QUARTZ, INTEGRAL WALL BASE TO MATCH ADJACENT FLOOR SYSTEM	4"H	TBD FROM MANUFACTURER'S STANDARD COLORS	GLOSS, MEDIUM-SMOOTH TEXTURE	N/A	N/A	PROVIDE ALUMINUM WALL CAP TO FINISH TOP EDGE OF INTEGRAL BASE	CFCI
RF-2	SHERWIN WILLIAMS	GENERAL POLYMERS DECORATIVE QUARTZ, INTEGRAL WALL BASE TO MATCH ADJACENT FLOOR SYSTEM	4"H	TBD FROM MANUFACTURER'S STANDARD COLORS	GLOSS, ROUGH TEXTURE	N/A	N/A	PROVIDE ALUMINUM WALL CAP TO FINISH TOP EDGE OF INTEGRAL BASE	CFCI

FLOORING FINISH									
TAG	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN PRODUCT LINE	SIZE	COLOR	FINISH	GROUT		NOTES	SUPPLIER / INSTALLER
						TYPE	COLOR		
CPT-1	TARKETT	ASSERTIVE STRIA 04839	18" X 36"	LEAD SHOT 26207	--	--	--	VERTICAL ASHLAR INSTALLATION METHOD	CFCI
EX	--	--	--	--	--	--	--	EXISTING PRODUCT TO REMAIN	--
LVT-1	TARKETT	CONTOUR SERIES, PCOX EXOTIC WOOD	6" X 36"	3324 WASHED TEAK	TICK EMBOSS (TK)	N/A	N/A	INSTALLATION METHOD: RANDOM / STAGGER (WOOD VISUAL)	CFCI
LVT-2	TARKETT	CONTOUR SERIES, PCPA PASSAGEWAY	18" X 18"	0842 CREEKSIDE	PATHWAY (PH)	N/A	N/A	INSTALLATION METHOD: QUARTER-TURN	CFCI
LVT-3	SHAW CONTRACT	ABIDE 410TV	7" X 47"	MAIZE WENGE 07210	EXOGUARD +	N/A	N/A	INSTALLATION METHOD: RANDOM / STAGGER (WOOD VISUAL)	CFCI
LVT-4	KARNDÉAN	VAN GOGH	7" X 48"	ANTIQUE KARRI V6W39T	K-GUARD PU COATING	N/A	N/A	INSTALLATION METHOD: RANDOM / STAGGER (WOOD VISUAL)	CFCI
RF-1	SHERWIN WILLIAMS	GENERAL POLYMERS DECORATIVE QUARTZ EPOXY, MULTI-PURPOSE	-	TBD FROM MANUFACTURER'S STANDARD COLORS	GLOSS, MEDIUM SMOOTH TEXTURE	N/A	N/A	-	CFCI
RF-2	SHERWIN WILLIAMS	GENERAL POLYMERS DECORATIVE QUARTZ WITH URETHANE TOP COAT	-	TBD FROM MANUFACTURER'S STANDARD COLORS	GLOSS, ROUGH TEXTURE	N/A	N/A	-	CFCI
RUB-1	TARKETT	INERTIA RUBBER SQUARE EDGE TILE, #NRH	1/4" THICK X 24" X 24"	MINERALITY, GEORGE	HAMMERED	N/A	N/A	-	CFCI

INTERIOR SYMBOL LEGEND

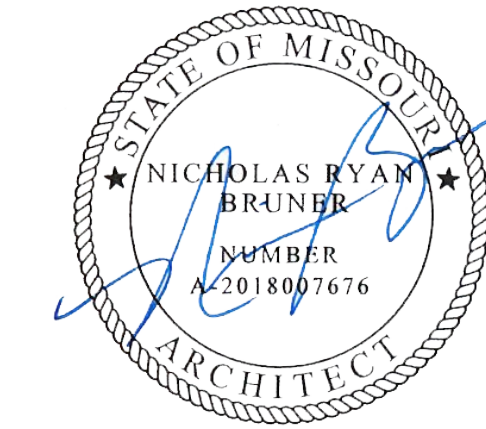
	CEILING FINISH
	WALL FINISH
	ACCENT WALL FINISH
	WALL BASE
	FLOOR FINISH
	FLOOR MATERIAL TRANSITION
	ALIGN TRANSITION WITH ADJACENT ITEM
	PATTERN/LINEAR DIRECTION
	CASEWORK COUNTER/TRANSITION TOP FINISH
	CASEWORK BASE AND UPPER CABINET FINISH
	MISCELLANEOUS FINISH
	INTERIOR SIGNAGE
	CORNER GUARD / END WALL GUARD

FINISH ABBREVIATIONS

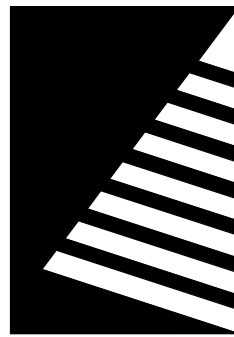
ACT	ACOUSTICAL CEILING TILE	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
ADJ	ADJACENT	P	PAINT
AFF	ABOVE FINISHED FLOOR	PL	PLASTIC LAMINATE
AFT	ARCHITECTURAL FAUX TRUSS	PFIN	PREFINISHED
AL	ALUMINUM	PVS	PVC SIDING
AP	ACOUSTIC WALL PANEL	QTZ	QUARTZ COUNTERTOP
BG	BUMPER GUARD	RB	RESILIENT WALL BASE
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	RF	RESINOUS FLOORING
CG	CORNER GUARD	RUB	RUBBER
CJ	CONTROL JOINT	S	SIGNAGE
CMU	CONCRETE MASONRY UNIT	SF	SQUARE FEET (FOOT)
CON	CONCRETE FLOORING	SS	SOLID SURFACE
CR	CHAIR RAIL	SST	STAINLESS STEEL
CPT	CARPET	SSV	SPECIALTY SHEET VINYL
CST	CULTURED STONE	ST	STUCCO
CT	CERAMIC TILE	STN	STAIN
DWB	DECORATIVE WALL BASE	SV	SHEET VINYL
EX	EXISTING	T	TILE FLOORING / WALL / WALL BASE (CERAMIC, PORCELAIN, GLASS)
EXJ	EXPANSION JOINT	TEX	TEXTURED FINISH
EXP	EXPOSED	TP	TOLIET PARTITION
F	FABRIC	TR	DECORATIVE TRIM / CROWN / BASE MOLDING
FRP	FIBERGLASS REINFORCED PANELS	TS	TRANSITION STRIP
GLS	DECORATIVE GLASS	TYP	TYPICAL
GYP	GYPSUM WALL BOARD	UPFN	UNFINISHED
HR	HAND RAIL	UNO	UNLESS NOTED OTHERWISE
HRB	HAND RAIL BACKER BOARD	VIF	VERIFY IN FIELD
LF	LINEAR FEET (FOOT)	VVC	VINYL WALL COVERING
LMB	LINEAR METAL BAFFLE	WD	WOOD FLOORING / PANELING / WAINSCOT
LVT	LUXURY VINYL TILE	WP	WALL PROTECTION
MAS	MASONRY	WR	WHITEROCK
MB	MOLDED WALL BASE		
MTL	METAL		
MISC	MISCELLANEOUS		
N/A	NOT APPLICABLE		

NOTE:  
PRODUCTS SHOWN IN SCHEDULE ARE BASIS OF DESIGN UNLESS OTHERWISE NOTED. SEE SPECIFICATIONS FOR ACCEPTABLE ALTERNATE MANUFACTURERS.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



DATED: 08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: JDP  
CHECKED BY: NRB  
DESIGNED BY: JDP

SHEET TITLE:

PRODUCT  
SCHEDULES,  
SYMBOLS AND  
ABBREVIATIONS

SHEET NUMBER:

I-001

SHEET 96 OF 197  
ISSUE DATE: 08/15/2024



HORIZONTAL CASEWORK FINISH							
TAG	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN PRODUCT LINE	SIZE	COLOR	FINISH	NOTES	SUPPLIER / INSTALLER
PL-1	FORMICA	PATTERNED LAMINATE		MINERAL SPA 6920-58	MATTE		CFCI
SS-2	WILSONART	SOLID SURFACE	1/2" THICK	MASONED CONCRETE 9252SS	MATTE	BACKSPASHES TO BE INTEGRAL TO COUNTERTOP	CFCI
SS-3	WILSONART	SOLID SURFACE	1/2" THICK	YUKON RIVERSTONE 9196RS	MATTE	BACKSPASHES TO BE INTEGRAL TO COUNTERTOP	CFCI
SS-4	CORIAN	SOLID SURFACE	1/2" THICK	CARRARA CREMA	MATTE	BACKSPASHES TO BE INTEGRAL TO COUNTERTOP	CFCI
SS-5	WILSONART	SOLID SURFACE	1/2" THICK	WHITE STONE 9208CS	MATTE	BACKSPASHES TO BE INTEGRAL TO COUNTERTOP	CFCI
SS-6	CORIAN	SOLID SURFACE	1/2" THICK	ABALONE	MATTE	WINDOW SILLS	CFCI

VERTICAL CASEWORK FINISH							
TAG	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN PRODUCT LINE	SIZE	COLOR	FINISH	NOTES	SUPPLIER / INSTALLER
PL-2	WILSONART	PATTERNED LAMINATE	--	PEWTER MESH 4878-38	FINE VELVET		CFCI
PL-3	WILSONART	PATTERNED LAMINATE	--	PALISADES OAK 7987-38	FINE VELVET		CFCI
PL-4	FORMICA	PATTERNED LAMINATE	--	COGNAC MAPLE 7738-58	MATTE		CFCI
PL-5	WILSONART	PATTERNED LAMINATE	--	ANTIQUE WHITE 1572-60	MATTE	VETERAN AVENUE DISPLAY CASE	CFCI
PL-6	FORMICA	PATTERNED LAMINATE	--	GRAPHITE TWILL 8829-58	MATTE		CFCI

TRIMS AND MISCELLANEOUS FINISH							
TAG	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN PRODUCT LINE	SIZE	COLOR	FINISH	NOTES	SUPPLIER / INSTALLER
AFT-1	BARRON DESIGNS	ARCHITECTURAL FAUX TRUSS AND BEAM, DRIFTWOOD COLLECTION	SEE DETAILS	RICH WALNUT 1105	DRIFTWOOD	SEE SHEET A-412 FOR DETAILS	CFCI
BG-1	CONSTRUCTION SPECIALTIES	ACROVYN SCR-64MM SURFACE MOUNT CRASH RAIL WITH CONTINUOUS ALUMINUM RETAINER, SOLID COLORS COLLECTION	8" H	#315 GALVESTON GRAY	SUEDE	SEE ELEVATIONS FOR MOUNTING HEIGHT	CFCI
CG-1	CONSTRUCTION SPECIALTIES	ACROVYN DIMENSIONAL MOLDINGS, OUTSIDE CORNER, WOOD GRAIN COLLECTION	2" W X 3/8" THICK	#1609 WHITE PAPYRUS	SUEDE		CFCI
CG-2	CONSTRUCTION SPECIALTIES	ACROVYN DIMENSIONAL MOLDINGS, OUTSIDE CORNER, WOOD GRAIN COLLECTION	4" W X 3/8" THICK	#1609 WHITE PAPYRUS	SUEDE		CFCI
CG-3	CONSTRUCTION SPECIALTIES	ACROVYN SM-20AN/SM-20MN CORNER GUARD WITH CONTINUOUS ALUMINUM RETAINER, SOLID COLORS COLLECTION	3" LEG	#315 GALVESTON GRAY	SUEDE	-	CFCI
CG-4	AZEK EXTERIORS	AZEK RABBETED CORNERBOARD, 5/4 THICKNESS	5/4" X 4" X 4" (1" THICK X 3-1/2" X 3-1/2")	WHITE	FRONTIER, WOOD GRAIN		CFCI
CG-5	SCHLUTER SYSTEMS	HEAVY DUTY EDGE PROTECTION FOR OUTSIDE CORNERS, #ECK-E	TO COORDINATE WITH TILE ASSEMBLY THICKNESS	SILVER	STAINLESS STEEL	SEE FINISH PLAN GENERAL NOTE 'I' FOR DETAILS	CFCI
CR-1	CONSTRUCTION SPECIALTIES	ACROVYN DIMENSIONAL MOLDINGS, NOTCHED WAINSCOT HORIZONTAL TRIM, WOOD GRAIN COLLECTION	2" H X 1/2" THICK	#1609 WHITE PAPYRUS	SUEDE		CFCI
CST-1	EARTHWORKS	CUT STONE	2" AND 3/4" THICKNESS; SEE DRAWINGS	PEWTER MIST	LIGHT POLISHED	SEE SHEET A-412 FOR DETAILS	CFCI
CST-2	EARTHWORKS	CUT STONE	2" AND 3/4" THICKNESS; SEE DRAWINGS	PEWTER MIST	LIGHT SANDBLASTED	SEE SHEET A-412 FOR DETAILS	CFCI
HR-1	CONSTRUCTION SPECIALTIES	ACROVYN PLATFORM SERIES SINGLE LINE OVAL HANDRAIL WITH STAINLESS BRACKETS P-OAN, WOOD GRAIN COLLECTION	1-1/2" GRIP	#1609 WHITE PAPYRUS	SUEDE		CFCI
HRB-1	AZEK EXTERIORS	AZEK TRIM BOARD, 5/4 THICKNESS	5/4 X 10 (1" THICK X 9-1/4" H)	WHITE	FRONTIER, WOOD GRAIN		CFCI
P-8	SHERWIN WILLIAMS	SEE SPECIFICATIONS	-	SW6258 TRICORN BLACK	SEE SPECIFICATIONS		CFCI
P-9	SHERWIN WILLIAMS	SEE SPECIFICATIONS	-	SW9171 FELTED WOOL	SEE SPECIFICATIONS		CFCI
TR-1	CONSTRUCTION SPECIALTIES	ACROVYN DIMENSIONAL MOLDINGS, HORIZONTAL TRIM, WOOD GRAIN COLLECTION	6" H X 1/2" THICK	#1609 WHITE PAPYRUS	SUEDE		CFCI
TR-2	CONSTRUCTION SPECIALTIES	ACROVYN FEATURE RAIL, STYLE: COLONIAL #FR-252, SOLID COLORS COLLECTION	2-1/2" H X 3/4" THICK	#108 BLACK	SUEDE		CFCI
TR-3	AZEK EXTERIORS	AZEK RABBETED TRIM BOARD, 5/4 THICKNESS	5/4" X 4" (1" THICK X 3-1/2)	WHITE	FRONTIER, WOOD GRAIN		CFCI

INTERIOR SIGNAGE						
TAG	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN PRODUCT LINE	SIZE	FINISH	NOTES	SUPPLIER / INSTALLER
S-1	ASI SIGNAGE	INTOUCH, PHOTOPOLYMER PLAQUE WITH CUSTOM LOGO, RAISED COPY AND BRAILLE	1/8" THICK; AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-2	ASI SIGNAGE	INTOUCH, PHOTOPOLYMER PLAQUE WITH UNIVERSAL GRAPHIC SYMBOL, RAISED COPY AND BRAILLE	1/8" THICK; AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-3	ASI SIGNAGE	INTOUCH, PHOTOPOLYMER PLAQUE WITH CUSTOM LOGO, RAISED COPY, BRAILLE AND INTERCHANGEABLE WINDOW(S) FOR INSERT(S)	3/8" THICK; AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-4	ASI SIGNAGE	METAL LAMINATE CUT DIMENSIONAL LETTERS ON CUSTOM WOOD BACKER PANEL	AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-5	ASI SIGNAGE	METAL LAMINATE CUT DIMENSIONAL LETTERS	AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-6	ASI SIGNAGE	INTOUCH, PHOTOPOLYMER PLAQUE WITH CUSTOM LOGO, RAISED COPY, BRAILLE AND WINDOW OPENING FOR OCCUPY/VACANT SLIDE	3/8" THICK; AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-7	ASI SIGNAGE	INTOUCH, PHOTOPOLYMER PLAQUE WITH RAISED COPY AND BRAILLE	AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-8	ASI SIGNAGE	METAL LAMINATE CUT LETTERS, CUSTOM DESIGN	AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-9	ASI SIGNAGE	INTOUCH, PHOTOPOLYMER PLAQUE WITH VINYL COPY AND DIRECTIONAL ARROWS	AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-10	ASI SIGNAGE	INTOUCH, PHOTOPOLYMER FRAME WITH LARGE WINDOW FOR 8-1/2" x 11" INSERT	AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	LOCATION OF EVAC MAPS TO BE COORDINATED WITH OWNER PRIOR TO INSTALLATION	CFCI
S-11	ASI SIGNAGE	METAL LAMINATE CUT LETTERS ON COR-TEN STEEL PANEL WITH STANDOFFS, CUSTOM DESIGN	AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-12	ASI SIGNAGE	SIGN ETCH, CUSTOM DESIGN	AS INDICATED ON DRAWINGS	VARIES - TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-13	ASI SIGNAGE	METAL LAMINATE CUT LETTERS WITH FRAMED CORRUGATED METAL PANEL, CUSTOM DESIGN	AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-14	ASI SIGNAGE	INTOUCH, PHOTOPOLYMER PLAQUE WITH UNIVERSAL GRAPHIC SYMBOL, VINYL COPY, RAISED COPY AND BRAILLE	1/8" THICK; AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-15	ASI SIGNAGE	INTERIOR VINYL LETTERING AND GRAPHIC SYMBOLS; PROVIDE IN COLORED INK	AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-16	ASI SIGNAGE	FLAG MOUNT	AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-17	ASI SIGNAGE	FLAG MOUNT	AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI
S-18	ASI SIGNAGE	INTOUCH, PHOTOPOLYMER PLAQUE WITH UNIVERSAL GRAPHIC SYMBOL, RAISED COPY AND BRAILLE	1/8" THICK; AS INDICATED ON DRAWINGS	TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF STANDARD SOLID AND METAL FINISH COLORS	COPY OF SIGN TO BE REVIEWED AND VERIFIED WITH OWNER PRIOR TO ORDER AND FABRICATION	CFCI

INTERIOR SYMBOL LEGEND

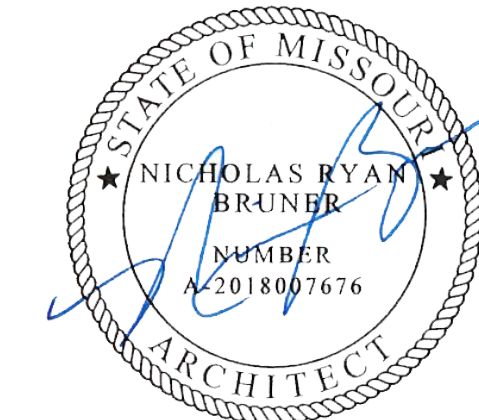
	CEILING FINISH
	WALL FINISH
	ACCENT WALL FINISH
	WALL BASE
	FLOOR FINISH
	FLOOR MATERIAL TRANSITION
	ALIGN TRANSITION WITH ADJACENT ITEM
	PATTERN/LINEAR DIRECTION
	CASEWORK COUNTER/TRANSITION TOP FINISH
	CASEWORK BASE AND UPPER CABINET FINISH
	MISCELLANEOUS FINISH
	INTERIOR SIGNAGE
	CORNER GUARD / END WALL GUARD

FINISH ABBREVIATIONS

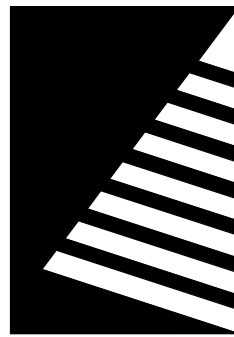
ACT	ACOUSTICAL CEILING TILE	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
ADJ	ADJACENT	P	PAINT
AFF	ABOVE FINISHED FLOOR	PL	PLASTIC LAMINATE
AFT	ARCHITECTURAL FAUX TRUSS	PFIN	PREFINISHED
AL	ALUMINUM	PVS	PVC SIDING
AP	ACOUSTIC WALL PANEL	QTZ	QUARTZ COUNTERTOP
BG	BUMPER GUARD	RB	RESILIENT WALL BASE
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	RF	RESINOUS FLOORING
CG	CORNER GUARD	RUB	RUBBER
CJ	CONTROL JOINT	S	SIGNAGE
CMJ	CONCRETE MASONRY UNIT	SF	SQUARE FEET (FOOT)
CON	CONCRETE FLOORING	SS	SOLID SURFACE
CR	CHAIR RAIL	SST	STAINLESS STEEL
CPT	CARPET	SSV	SPECIALTY SHEET VINYL
CST	CULTURED STONE	ST	STUCCO
CT	CERAMIC TILE	STN	STAIN
DWB	DECORATIVE WALL BASE	SV	SHEET VINYL
EX	EXISTING	T	TILE FLOORING/ WALL / WALL BASE (CERAMIC, PORCELAIN, GLASS)
EXJ	EXPANSION JOINT	TEX	TEXTURED FINISH
EXP	EXPOSED	TP	TOLIET PARTITION
F	FABRIC	TR	DECORATIVE TRIM / CROWN / BASE MOLDING
FRP	FIBERGLASS REINFORCED PANELS	TS	TRANSITION STRIP
GLS	DECORATIVE GLASS	TYP	TYPICAL
GYP	GYPSUM WALL BOARD	UFIN	UNFINISHED
HR	HAND RAIL	UNO	UNLESS NOTED OTHERWISE
HRB	HAND RAIL BACKER BOARD	VIF	VERIFY IN FIELD
LF	LINEAR FEET (FOOT)	VVC	VINYL WALL COVERING
LVT	LUXURY VINYL TILE	WD	WOOD FLOORING / PANELING / WAINSCOT
MAS	MASONRY	WP	WALL PROTECTION
MB	MOLDED WALL BASE	WR	WHITEROCK
MTL	METAL		
MISC	MISCELLANEOUS		
N/A	NOT APPLICABLE		

NOTE:  
PRODUCTS SHOWN IN SCHEDULE ARE BASIS OF DESIGN UNLESS OTEHRWISE NOTED. SEE SPECIFICATIONS FOR ACCEPTABLE ALTERNATE MANUFACTURERS.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



DATED: 08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: JDP  
CHECKED BY: NRB  
DESIGNED BY: JDP

SHEET TITLE:

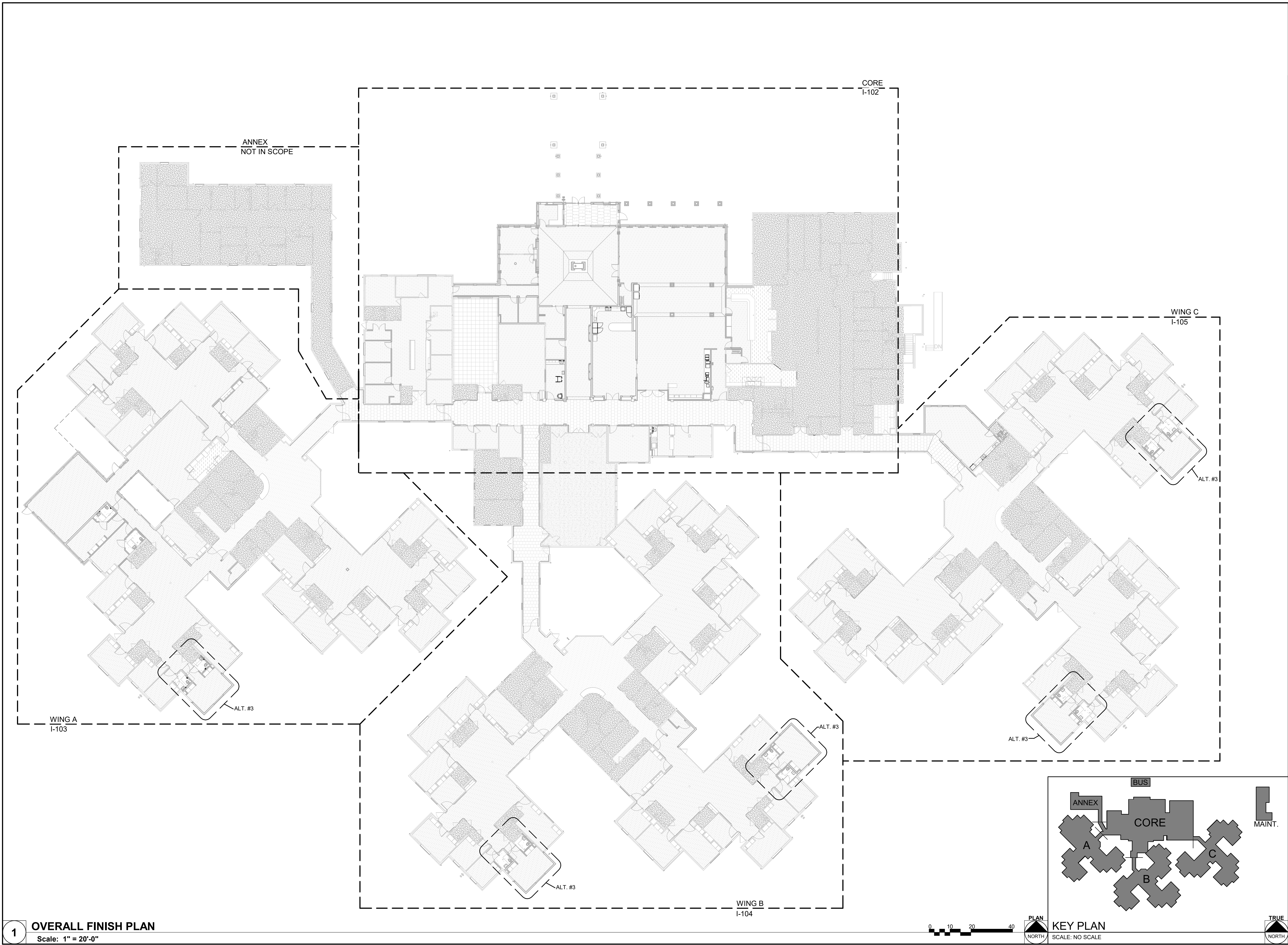
PRODUCT  
SCHEDULES,  
SYMBOLS AND  
ABBREVIATIONS

SHEET NUMBER:

I-002

SHEET 97 OF 197  
ISSUE DATE: 08/15/2024

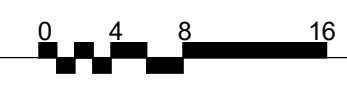
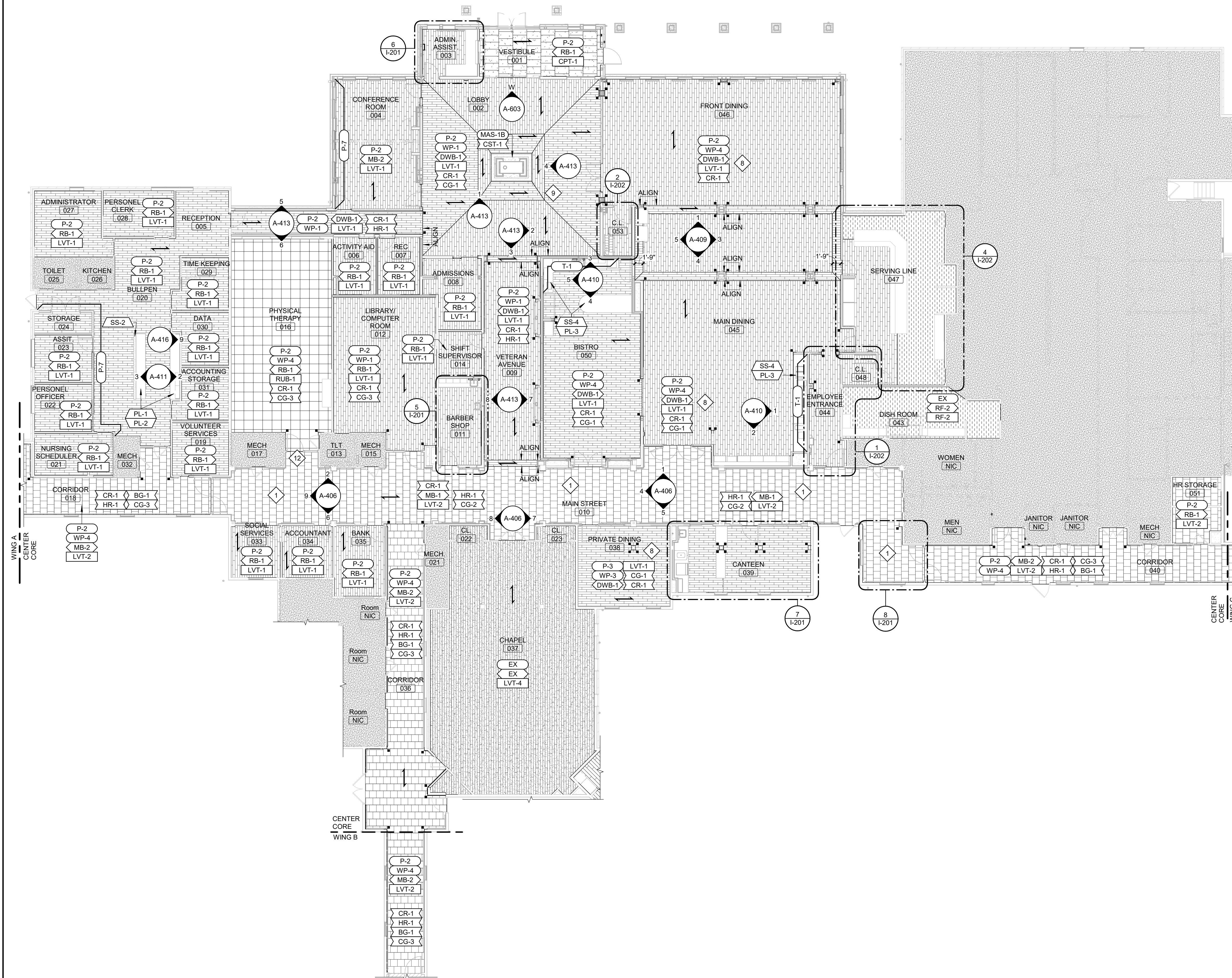




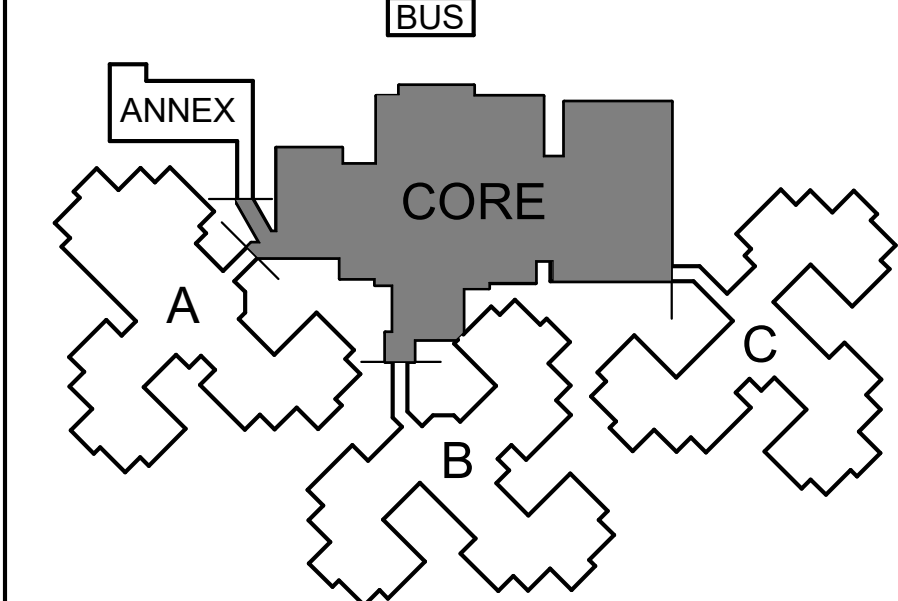


8/14/2024 9:40:59 PM

**1 ENLARGED FINISH PLAN - CENTRAL CORE**  
Scale: 3/32" = 1'-0"



**KEY PLAN**  
SCALE: NO SCALE



SHADING INDICATES AREAS OF BUILDING NOT INCLUDED IN SCOPE OF WORK

**FINISH PLAN GENERAL NOTES**

- BASIS-OF-DESIGN PRODUCT: WHERE SPECIFICATIONS OR DRAWINGS NAME A PRODUCT AND MANUFACTURER, PROVIDE THE SPECIFIED PRODUCT/MANUFACTURER OR SUBMIT AN ALTERNATE REQUEST TO BE REVIEWED BY ARCHITECT/DESIGNER. ALTERNATE PRODUCTS TO RESEMBLE BASIS OF DESIGN PRODUCT IN SIZE, PROFILE, DIMENSIONS, COLOR AND OTHER CHARACTERISTICS.
- ALL CONTRACTORS TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
- ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT.
- DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF WHEN IN CLOSED POSITION, UNLESS OTHERWISE NOTED OR SHOWN.
- REMARKS COLUMN ON ROOM AND PRODUCT FINISH SCHEDULE INDICATES GENERAL COMMENTS ONLY. SEE INTERIOR FINISH PLANS AND SPECIFICATIONS FOR LOCATIONS AND DETAILS.
- ALL GYPSUM CEILINGS SHALL BE P-1 UNLESS OTHERWISE NOTED OR SHOWN.
- ALL WALLS SHALL BE P-2, UNLESS OTHERWISE NOTED OR SHOWN.
- ALL METAL DOORS, DOOR FRAMES, AND WINDOW FRAMES INCLUDED IN SCOPE OF WORK AREAS SHALL BE P-9, UNLESS OTHERWISE NOTED OR SHOWN. IF ONE SIDE OF THE DOORS/FRAMES ARE NOT IN SCOPE OF WORK, PAINT FRAMES AS NOTED WITH SPLIT FINISH.
- CORRIDOR MAIN STREET 010: OUTSIDE CORNERS OF TILE INSTALLATIONS TO HAVE HEAVY DUTY EDGE PROTECTION CG-5. BASIS OF DESIGN SCHLUTER ECK-E. STAINLESS FINISH.
- AT CONDITIONS WHERE DIMENSIONAL CORNER GUARDS ARE SPECIFIED ABOVE AND BELOW DIMENSIONAL CHAIR RAIL, FINISH EXPOSED END OF CHAIR RAIL WITH DECORATIVE MITER JOINT.
- U.N.O. INSTALL CHAIR RAIL (CR-1) AND/OR HAND RAIL BACKER BOARD (HRB-1) AT FINISHED HEIGHT OF 3'-1" A.F.F.
- U.N.O. HAND RAILS (HR-1) TO BE INSTALLED AT FINISHED HEIGHT OF 2'-10" A.F.F.
- SEE SHEET A-603 FOR SOLID SURFACE WINDOW SILL DETAILS.
- SEE SHEET G-002 FOR STANDARD MOUNTING HEIGHTS FOR TYPICAL BUMPER GUARDS, CORNER GUARDS, HANDRAIL AND CHAIR RAIL, U.N.O.
- WHERE NEW SOLID SURFACE WALL PANELS ARE INDICATED FOR INSTALL IN RESIDENT TOILET ROOMS, MATCH FACILITY STANDARD MOUNTING HEIGHT OF EXISTING TOILET ROOMS.
- PVC TRIM BOARDS TO BE MITERED AT INSIDE AND OUTSIDE CORNERS. ALL EXPOSED SIDES TO BE SITE OR FACTORY FINISHED WITH NO RAW FIELD CUTS VISIBLE.

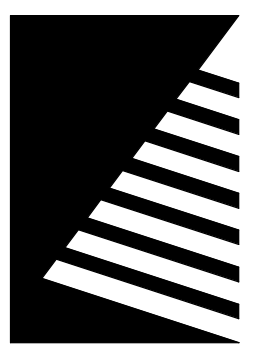
**INTERIOR FINISH KEYNOTES**

- STREETSCAPE FINISHES. SEE INTERIOR ELEVATIONS FOR PRODUCT INFORMATION AND DETAILS.
- WALL PROTECTION TO BE FULL HEIGHT IN AREAS AS NOTED.
- SEE SHEET I-305 FOR INTERIOR SIGNAGE DETAILS.
- TRANSITION OF FLOOR MATERIALS TO OCCUR UNDER EXISTING SERVING STATION. CONFIRM FINAL LOCATION, SIZE, ORIENTATION AND LENGTH OF SERVING STATION PRIOR TO INSTALLATION OF FLOORING.
- TILE T-10 TO MATCH EXISTING ADJACENT TILE INSTALLATION IN HEIGHT (APPROX. 56" A.F.F.), SIZE, COLOR AND SHEEN. ALIGN GROUT JOINTS WITH ADJACENT INSTALLATION. PROVIDE BULLNOSE TOP EDGE OR METAL TRIM TO MATCH EXISTING INSTALLATION. SITE VERIFY PRIOR TO ORDER AND INSTALLATION OF MATERIALS.
- GYP. CEILING ABOVE LMB-1 TO BE PAINTED BLACK, P-8.
- VERIFY HEIGHT OF EXISTING FACILITY STANDARD TOILET ROOM WALL PANELS PRIOR TO INSTALLATION. MATCH EXISTING HEIGHT. PANELS TO BE INSTALLED ON ALL WALLS OF TOILET ROOM.
- FINISHED HEIGHT OF CHAIR RAIL CR-1 IS 3'-9" A.F.F.
- PATTERN/GRAIN DIRECTION TO ALIGN WITH DECORATIVE TRUSSES ABOVE.
- HRB-1 AT BARBER SHOP STOREFRONT LOCATION ONLY TO BE PAINTED P-8.
- DESIGN INTENT IN RESIDENT COMMONS 100, 200 AND 300: NEW FLOORING SHALL BE ROTATED 90-DEGREES FROM GRAIN/PLANK DIRECTION OF EXISTING LVT IN NURSE STATION. VERIFY IN FIELD PRIOR TO INSTALLATION.
- PROVIDE SUB-LEVELER OR BUILD UP SUBSTRATE BENEATH LVT TO RESULT IN FLUSH TRANSITION BETWEEN RUBBER AND LVT.
- DOOR AND WINDOW FRAMES TO BE SPLIT FINISH.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



DATED: 08/15/2024



**Farnsworth GROUP**  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
ASSET #: 8136803002  
FAI #: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: JDP  
CHECKED BY: NRB  
DESIGNED BY: JDP

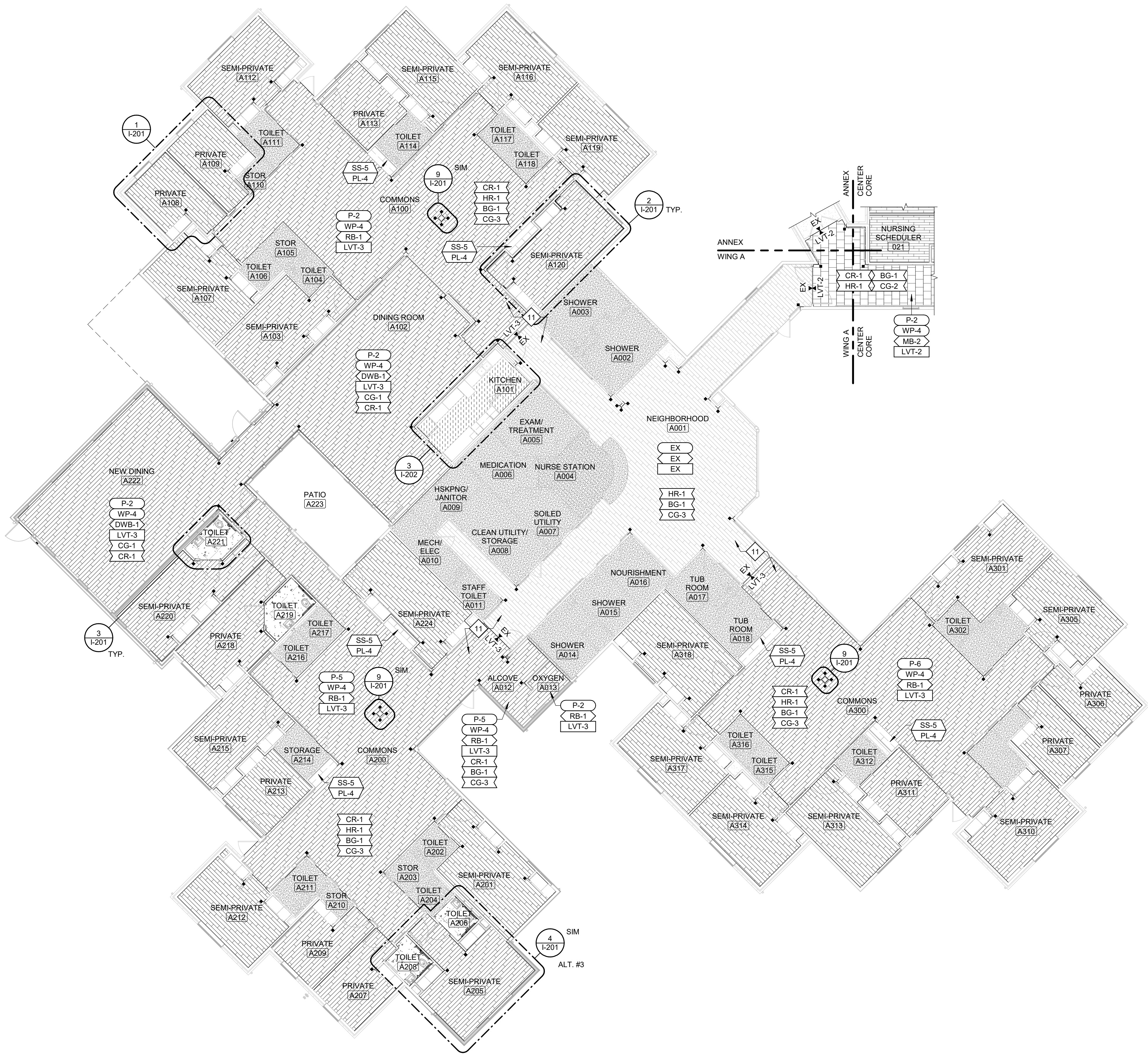
SHEET TITLE:  
**ENLARGED FINISH  
PLAN - CENTRAL  
CORE**

SHEET NUMBER:

**I-102**

SHEET 99 OF 197  
ISSUE DATE: 08/15/2024





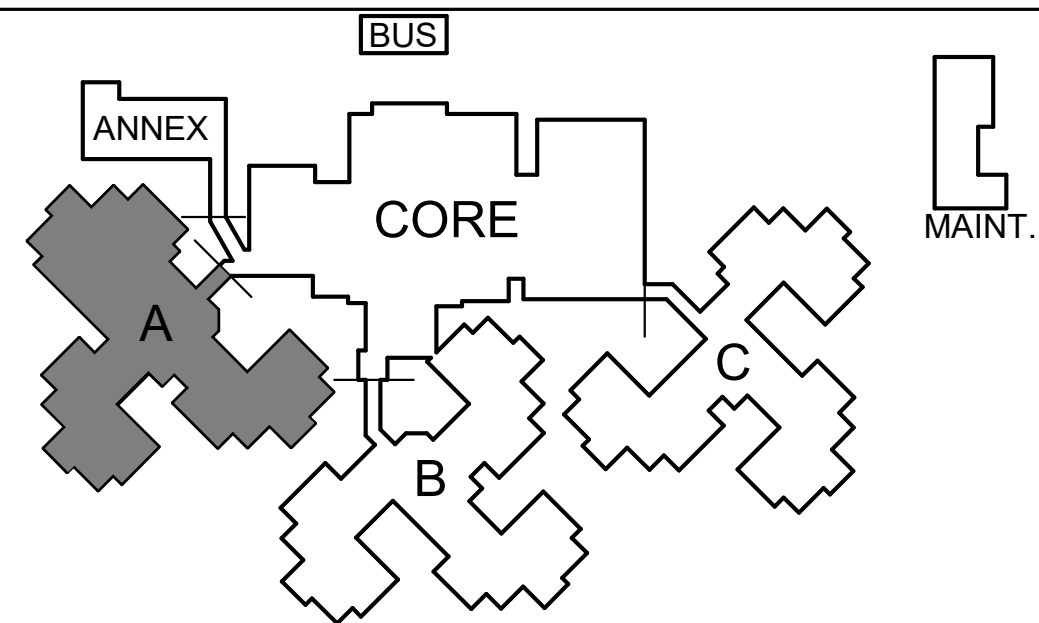
## FINISH PLAN GENERAL NOTES

- BASIS-OF-DESIGN PRODUCT: WHERE SPECIFICATIONS OR DRAWINGS NAME A PRODUCT AND MANUFACTURER, PROVIDE THE SPECIFIED PRODUCT/MANUFACTURER OR SUBMIT AN ALTERNATE REQUEST TO BE REVIEWED BY ARCHITECT/DESIGNER. ALTERNATE PRODUCTS TO RESEMBLE BASIS OF DESIGN PRODUCT IN SIZE, PROFILE, DIMENSIONS, COLOR AND OTHER CHARACTERISTICS.
- ALL CONTRACTORS TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
- ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT.
- DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF WHEN IN CLOSED POSITION, UNLESS OTHERWISE NOTED OR SHOWN.
- REMARKS COLUMN ON ROOM AND PRODUCT FINISH SCHEDULE INDICATES GENERAL COMMENTS ONLY. SEE INTERIOR FINISH PLANS AND SPECIFICATIONS FOR LOCATIONS AND DETAILS.
- ALL GYPSUM CEILINGS SHALL BE P-1 UNLESS OTHERWISE NOTED OR SHOWN.
- ALL WALLS SHALL BE P-2, UNLESS OTHERWISE NOTED OR SHOWN.
- ALL METAL DOORS, DOOR FRAMES, AND WINDOW FRAMES INCLUDED IN SCOPE OF WORK AREAS SHALL BE P-9, UNLESS OTHERWISE NOTED OR SHOWN. IF ONE SIDE OF THE DOORS/FRAMES ARE NOT IN SCOPE OF WORK, PAINT FRAMES AS NOTED WITH SPLIT FINISH.
- CORRIDOR MAIN STREET 010: OUTSIDE CORNERS OF TILE INSTALLATIONS TO HAVE HEAVY DUTY EDGE PROTECTION CG-5. BASIS OF DESIGN SCHLUTER ECK-E, STAINLESS FINISH.
- AT CONDITIONS WHERE DIMENSIONAL CORNER GUARDS ARE SPECIFIED ABOVE AND BELOW DIMENSIONAL CHAIR RAIL, FINISH EXPOSED END OF CHAIR RAIL WITH DECORATIVE MITER JOINT.
- U.N.O. INSTALL CHAIR RAIL (CR-1) AND/OR HAND RAIL BACKER BOARD (HRB-1) AT FINISHED HEIGHT OF 3'-1" A.F.F.
- U.N.O. HAND RAILS (HR-1) TO BE INSTALLED AT FINISHED HEIGHT OF 2'-10" A.F.F.
- SEE SHEET A-603 FOR SOLID SURFACE WINDOW SILL DETAILS.
- SEE SHEET G-002 FOR STANDARD MOUNTING HEIGHTS FOR TYPICAL BUMPER GUARDS, CORNER GUARDS, HANDRAIL AND CHAIR RAIL, U.N.O.
- WHERE NEW SOLID SURFACE WALL PANELS ARE INDICATED FOR INSTALL IN RESIDENT TOILET ROOMS, MATCH FACILITY STANDARD MOUNTING HEIGHT OF EXISTING TOILET ROOMS.
- PVC TRIM BOARDS TO BE MITERED AT INSIDE AND OUTSIDE CORNERS. ALL EXPOSED SIDES TO BE SITE OR FACTORY FINISHED WITH NO RAW FIELD CUTS VISIBLE.

## INTERIOR FINISH KEYNOTES

- STREETSCAPE FINISHES. SEE INTERIOR ELEVATIONS FOR PRODUCT INFORMATION AND DETAILS.
- WALL PROTECTION TO BE FULL HEIGHT IN AREAS AS NOTED.
- SEE SHEET I-305 FOR INTERIOR SIGNAGE DETAILS.
- TRANSITION OF FLOOR MATERIALS TO OCCUR UNDER EXISTING SERVING STATION. CONFIRM FINAL LOCATION, SIZE, ORIENTATION AND LENGTH OF SERVING STATION PRIOR TO INSTALLATION OF FLOORING.
- TILE T-10 TO MATCH EXISTING ADJACENT TILE INSTALLATION IN HEIGHT (APPROX. 56" A.F.F.). SIZE, COLOR AND SHEEN. ALIGN GROUT JOINTS WITH ADJACENT INSTALLATION. PROVIDE BULLNOSE TOP EDGE OR METAL TRIM TO MATCH EXISTING INSTALLATION. SITE VERIFY PRIOR TO ORDER AND INSTALLATION OF MATERIALS.
- GYP. CEILING ABOVE LMB-1 TO BE PAINTED BLACK, P-8.
- VERIFY HEIGHT OF EXISTING FACILITY STANDARD TOILET ROOM WALL PANELS PRIOR TO INSTALLATION. MATCH EXISTING HEIGHT. PANELS TO BE INSTALLED ON ALL WALLS OF TOILET ROOM.
- FINISHED HEIGHT OF CHAIR RAIL CR-1 IS 3'-9" A.F.F.
- PATTERN/GRAIN DIRECTION TO ALIGN WITH DECORATIVE TRUSSES ABOVE.
- HRB-1 AT BARBER SHOP STOREFRONT LOCATION ONLY TO BE PAINTED P-8.
- DESIGN INTENT IN RESIDENT COMMONS 100, 200 AND 300: NEW FLOORING SHALL BE ROTATED 90-DEGREES FROM GRAIN/PLANK DIRECTION OF EXISTING LVT IN NURSE STATION. VERIFY IN FIELD PRIOR TO INSTALLATION.
- PROVIDE SUB-LEVELER OR BUILD UP SUBSTRATE BENEATH LVT TO RESULT IN FLUSH TRANSITION BETWEEN RUBBER AND LVT.
- DOOR AND WINDOW FRAMES TO BE SPLIT FINISH.

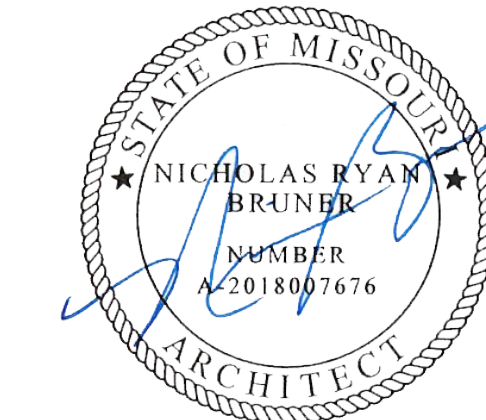
SHADING INDICATES AREAS OF BUILDING NOT INCLUDED IN SCOPE OF WORK



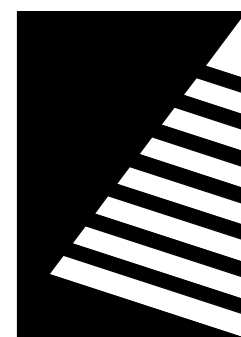
## KEY PLAN

SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



DATED: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: JDP  
CHECKED BY: NRB  
DESIGNED BY: JDP

SHEET TITLE:

**ENLARGED FINISH  
PLAN - WING A**

SHEET NUMBER:

**I-103**

SHEET 100 OF 197  
ISSUE DATE: 08/15/2024

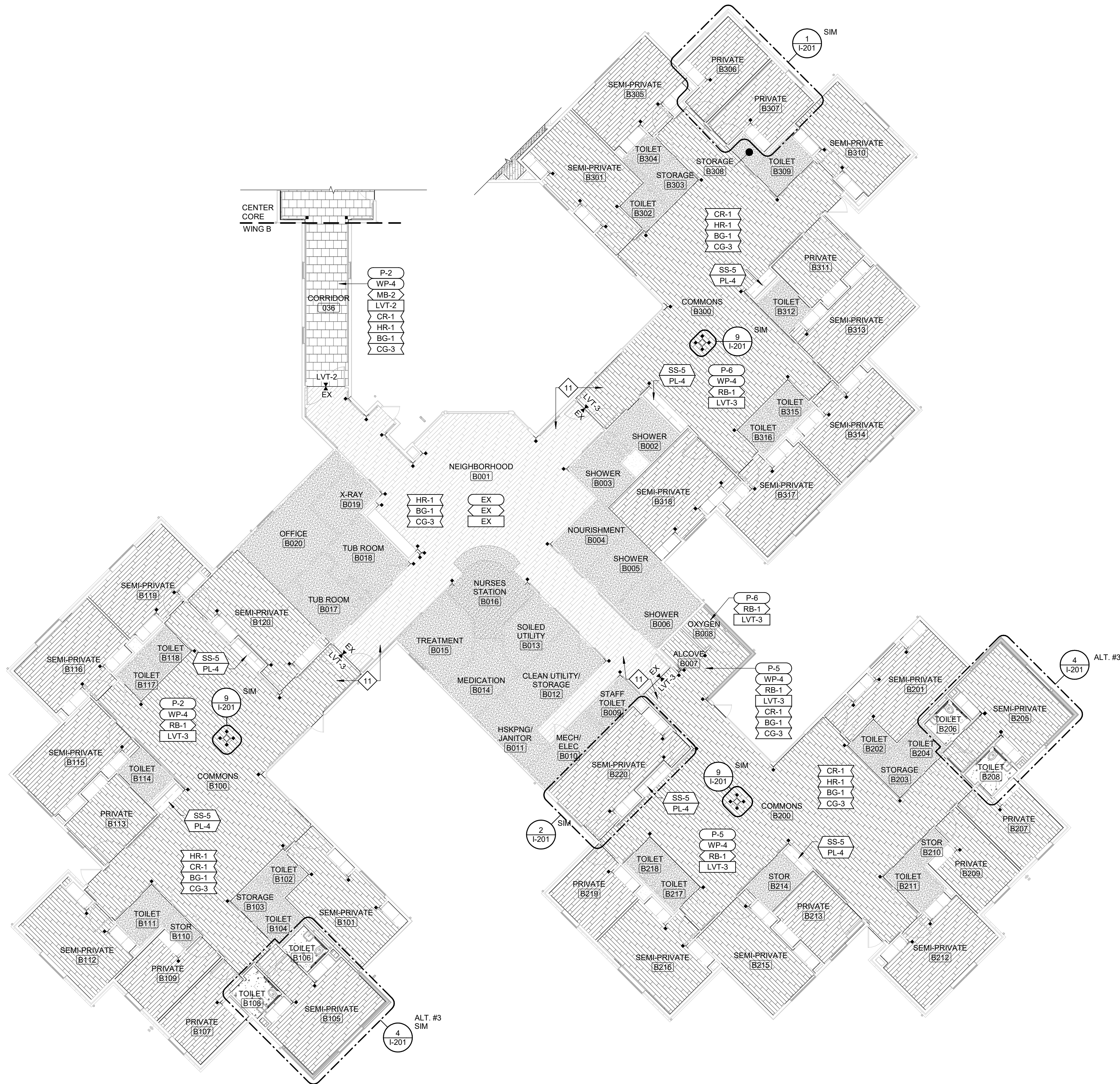


8/14/2024 9:42:26 PM

1

## ENLARGED FINISH PLAN - WING B

Scale: 3/32" = 1'-0"



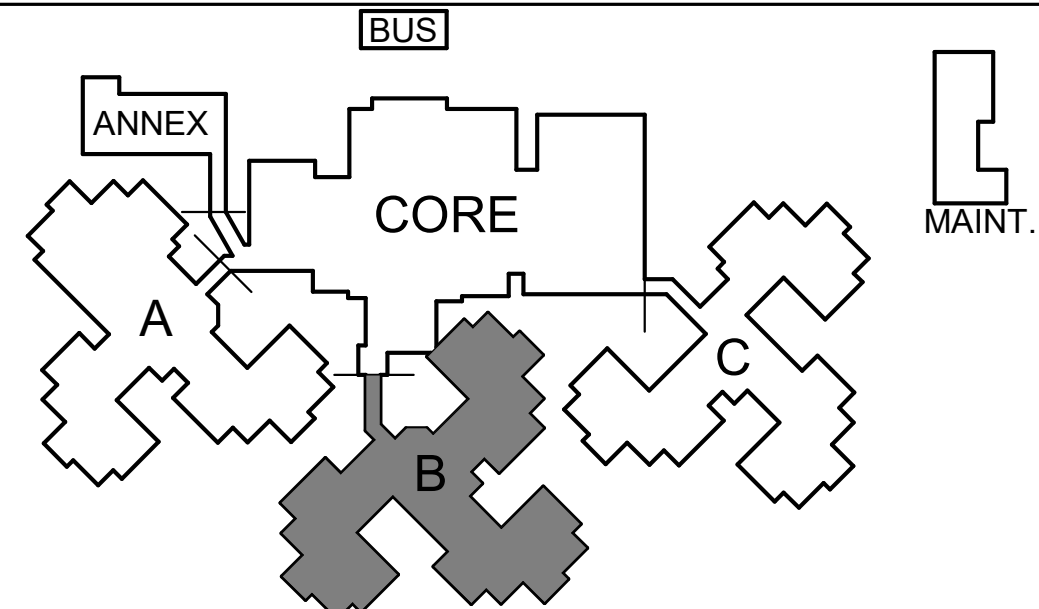
## FINISH PLAN GENERAL NOTES

- BASIS-OF-DESIGN PRODUCT: WHERE SPECIFICATIONS OR DRAWINGS NAME A PRODUCT AND MANUFACTURER, PROVIDE THE SPECIFIED PRODUCT/MANUFACTURER OR SUBMIT AN ALTERNATE REQUEST TO BE REVIEWED BY ARCHITECT/DESIGNER. ALTERNATE PRODUCTS TO RESEMBLE BASIS OF DESIGN PRODUCT IN SIZE, PROFILE, DIMENSIONS, COLOR AND OTHER CHARACTERISTICS.
- ALL CONTRACTORS TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
- ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT.
- DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF WHEN IN CLOSED POSITION, UNLESS OTHERWISE NOTED OR SHOWN.
- REMARKS COLUMN ON ROOM AND PRODUCT FINISH SCHEDULE INDICATES GENERAL COMMENTS ONLY. SEE INTERIOR FINISH PLANS AND SPECIFICATIONS FOR LOCATIONS AND DETAILS.
- ALL GYPSUM CEILINGS SHALL BE P-1 UNLESS OTHERWISE NOTED OR SHOWN.
- ALL WALLS SHALL BE P-2, UNLESS OTHERWISE NOTED OR SHOWN.
- ALL METAL DOORS, DOOR FRAMES, AND WINDOW FRAMES INCLUDED IN SCOPE OF WORK AREAS SHALL BE P-9, UNLESS OTHERWISE NOTED OR SHOWN. IF ONE SIDE OF THE DOORS/FRAMES ARE NOT IN SCOPE OF WORK, PAINT FRAMES AS NOTED WITH SPLIT FINISH.
- CORRIDOR MAIN STREET 010: OUTSIDE CORNERS OF TILE INSTALLATIONS TO HAVE HEAVY DUTY EDGE PROTECTION CG-5. BASIS OF DESIGN SCHLUTER ECK-E. STAINLESS FINISH.
- AT CONDITIONS WHERE DIMENSIONAL CORNER GUARDS ARE SPECIFIED ABOVE AND BELOW DIMENSIONAL CHAIR RAIL, FINISH EXPOSED END OF CHAIR RAIL WITH DECORATIVE MITER JOINT.
- U.N.O. INSTALL CHAIR RAIL (CR-1) AND/OR HAND RAIL BACKER BOARD (HRB-1) AT FINISHED HEIGHT OF 3'-1" A.F.F.
- U.N.O. HAND RAILS (HR-1) TO BE INSTALLED AT FINISHED HEIGHT OF 2'-10" A.F.F.
- SEE SHEET A-603 FOR SOLID SURFACE WINDOW SILL DETAILS.
- SEE SHEET G-002 FOR STANDARD MOUNTING HEIGHTS FOR TYPICAL BUMPER GUARDS, CORNER GUARDS, HANDRAIL AND CHAIR RAIL, U.N.O.
- WHERE NEW SOLID SURFACE WALL PANELS ARE INDICATED FOR INSTALL IN RESIDENT TOILET ROOMS, MATCH FACILITY STANDARD MOUNTING HEIGHT OF EXISTING TOILET ROOMS.
- PVC TRIM BOARDS TO BE MITERED AT INSIDE AND OUTSIDE CORNERS. ALL EXPOSED SIDES TO BE SITE OR FACTORY FINISHED WITH NO RAW FIELD CUTS VISIBLE.

## INTERIOR FINISH KEYNOTES

- STREETSCAPE FINISHES. SEE INTERIOR ELEVATIONS FOR PRODUCT INFORMATION AND DETAILS.
- WALL PROTECTION TO BE FULL HEIGHT IN AREAS AS NOTED.
- SEE SHEET I-305 FOR INTERIOR SIGNAGE DETAILS.
- TRANSITION OF FLOOR MATERIALS TO OCCUR UNDER EXISTING SERVING STATION. CONFIRM FINAL LOCATION, SIZE, ORIENTATION AND LENGTH OF SERVING STATION PRIOR TO INSTALLATION OF FLOORING.
- TILE T-10 TO MATCH EXISTING ADJACENT TILE INSTALLATION IN HEIGHT (APPROX. 56" A.F.F.). SIZE, COLOR AND SHEEN. ALIGN GROUT JOINTS WITH ADJACENT INSTALLATION. PROVIDE BULLNOSE TOP EDGE OR METAL TRIM TO MATCH EXISTING INSTALLATION. SITE VERIFY PRIOR TO ORDER AND INSTALLATION OF MATERIALS.
- GYP. CEILING ABOVE LMB-1 TO BE PAINTED BLACK, P-8.
- VERIFY HEIGHT OF EXISTING FACILITY STANDARD TOILET ROOM WALL PANELS PRIOR TO INSTALLATION. MATCH EXISTING HEIGHT. PANELS TO BE INSTALLED ON ALL WALLS OF TOILET ROOM.
- FINISHED HEIGHT OF CHAIR RAIL CR-1 IS 3'-9" A.F.F.
- PATTERN/GRAIN DIRECTION TO ALIGN WITH DECORATIVE TRUSSES ABOVE.
- HRB-1 AT BARBER SHOP STOREFRONT LOCATION ONLY TO BE PAINTED P-8.
- DESIGN INTENT IN RESIDENT COMMONS 100, 200 AND 300: NEW FLOORING SHALL BE ROTATED 90-DEGREES FROM GRAIN/PLANK DIRECTION OF EXISTING LVT IN NURSE STATION. VERIFY IN FIELD PRIOR TO INSTALLATION.
- PROVIDE SUB-LEVELER OR BUILD UP SUBSTRATE BENEATH LVT TO RESULT IN FLUSH TRANSITION BETWEEN RUBBER AND LVT.
- DOOR AND WINDOW FRAMES TO BE SPLIT FINISH.

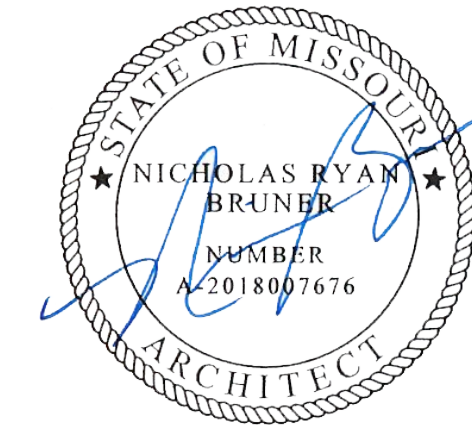
SHADING INDICATES AREAS OF BUILDING NOT INCLUDED IN SCOPE OF WORK



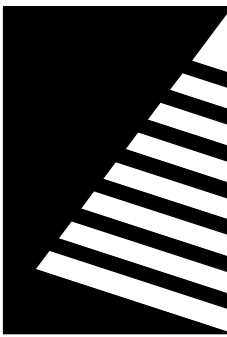
## KEY PLAN

SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



DATED: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: JDP  
CHECKED BY: NRB  
DESIGNED BY: JDP

SHEET TITLE:

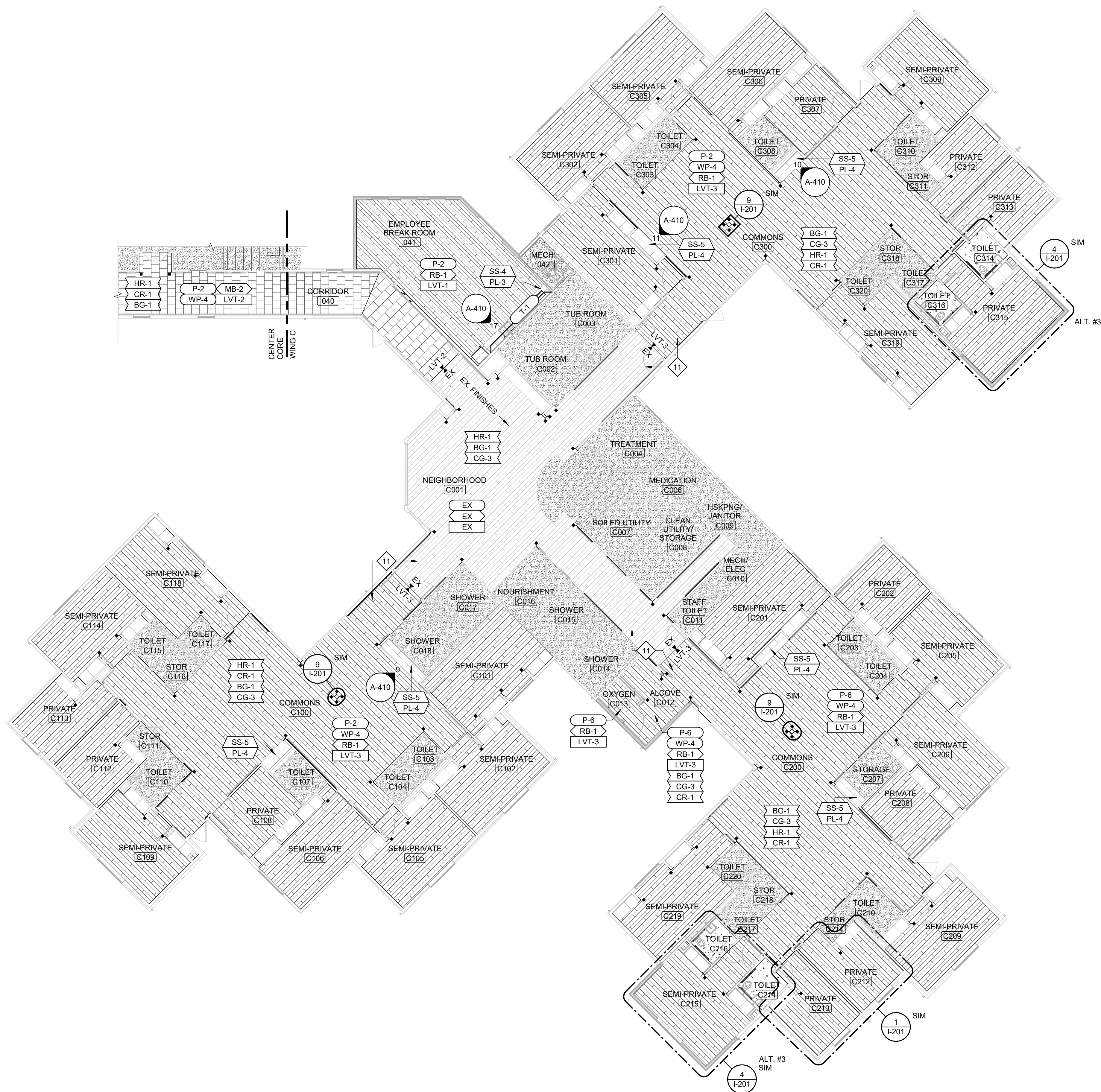
**ENLARGED FINISH  
PLAN - WING B**

SHEET NUMBER:

**I-104**

SHEET 101 OF 197  
ISSUE DATE: 08/15/2024





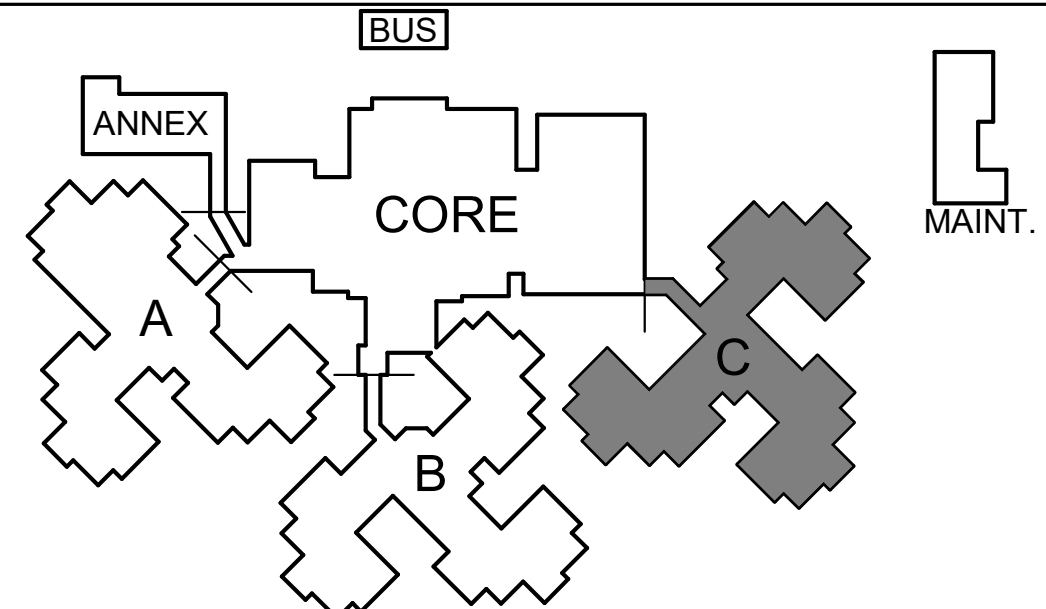
FINISH PLAN GENERAL NOTES

- A. BASIS-OF-DESIGN PRODUCT: WHERE SPECIFICATIONS OR DRAWINGS NAME A PRODUCT AND MANUFACTURER, PROVIDE THE SPECIFIED PRODUCT/MANUFACTURER OR SUBMIT AN ALTERNATE REQUEST TO BE REVIEWED BY ARCHITECT/DESIGNER. ALTERNATE PRODUCTS TO RESEMBLE BASIS OF DESIGN PRODUCT IN SIZE, PROFILE, DIMENSIONS, COLOR AND OTHER CHARACTERISTICS.
- B. ALL CONTRACTORS TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
- C. ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT.
- D. DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF WHEN IN CLOSED POSITION, UNLESS OTHERWISE NOTED OR SHOWN.
- E. REMARKS COLUMN ON ROOM AND PRODUCT FINISH SCHEDULE INDICATES GENERAL COMMENTS ONLY. SEE INTERIOR FINISH PLANS AND SPECIFICATIONS FOR LOCATIONS AND DETAILS.
- F. ALL GYPSUM CEILINGS SHALL BE P-1 UNLESS OTHERWISE NOTED OR SHOWN.
- G. ALL WALLS SHALL BE P-2, UNLESS OTHERWISE NOTED OR SHOWN.
- H. ALL METAL DOORS, DOOR FRAMES, AND WINDOW FRAMES INCLUDED IN SCOPE OF WORK AREAS SHALL BE P-9, UNLESS OTHERWISE NOTED OR SHOWN. IF ONE SIDE OF THE DOORS/FRAMES ARE NOT IN SCOPE OF WORK, PAINT FRAMES AS NOTED WITH SPLIT FINISH.
- I. CORRIDOR MAIN STREET 010: OUTSIDE CORNERS OF TILE INSTALLATIONS TO HAVE HEAVY DUTY EDGE PROTECTION CG-5. BASIS OF DESIGN SCHLUTER ECK-E. STAINLESS FINISH.
- J. AT CONDITIONS WHERE DIMENSIONAL CORNER GUARDS ARE SPECIFIED ABOVE AND BELOW DIMENSIONAL CHAIR RAIL, FINISH EXPOSED END OF CHAIR RAIL WITH DECORATIVE MITER JOINT.
- K. U.N.O. INSTALL CHAIR RAIL (CR-1) AND/OR HAND RAIL BACKER BOARD (HRB-1) AT FINISHED HEIGHT OF 3'-1" A.F.F.
- L. U.N.O. HAND RAILS (HR-1) TO BE INSTALLED AT FINISHED HEIGHT OF 2'-10" A.F.F.
- M. SEE SHEET A-603 FOR SOLID SURFACE WINDOW SILL DETAILS.
- N. SEE SHEET G-002 FOR STANDARD MOUNTING HEIGHTS FOR TYPICAL BUMPER GUARDS, CORNER GUARDS, HANDRAIL AND CHAIR RAIL, U.N.O.
- O. WHERE NEW SOLID SURFACE WALL PANELS ARE INDICATED FOR INSTALL IN RESIDENT TOILET ROOMS, MATCH FACILITY STANDARD MOUNTING HEIGHT OF EXISTING TOILET ROOMS.
- P. PVC TRIM BOARDS TO BE MITERED AT INSIDE AND OUTSIDE CORNERS. ALL EXPOSED SIDES TO BE SITE OR FACTORY FINISHED WITH NO RAW FIELD CUTS VISIBLE.

INTERIOR FINISH KEYNOTES

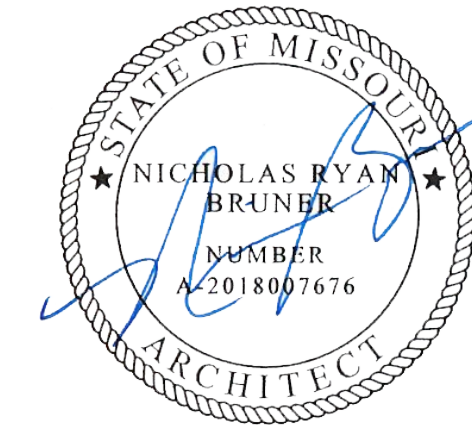
- 1. STREETSCAPE FINISHES. SEE INTERIOR ELEVATIONS FOR PRODUCT INFORMATION AND DETAILS.
- 2. WALL PROTECTION TO BE FULL HEIGHT IN AREAS AS NOTED.
- 3. SEE SHEET I-305 FOR INTERIOR SIGNAGE DETAILS.
- 4. TRANSITION OF FLOOR MATERIALS TO OCCUR UNDER EXISTING SERVING STATION. CONFIRM FINAL LOCATION, SIZE, ORIENTATION AND LENGTH OF SERVING STATION PRIOR TO INSTALLATION OF FLOORING.
- 5. TILE T-10 TO MATCH EXISTING ADJACENT TILE INSTALLATION IN HEIGHT (APPROX. 56" A.F.F.), SIZE, COLOR AND SHEEN. ALIGN GROUT JOINTS WITH ADJACENT INSTALLATION. PROVIDE BULL NOSE TOP EDGE OR METAL TRIM TO MATCH EXISTING INSTALLATION. SITE VERIFY PRIOR TO ORDER AND INSTALLATION OF MATERIALS.
- 6. GYP. CEILING ABOVE LMB-1 TO BE PAINTED BLACK, P-8.
- 7. VERIFY HEIGHT OF EXISTING FACILITY STANDARD TOILET ROOM WALL PANELS PRIOR TO INSTALLATION. MATCH EXISTING HEIGHT. PANELS TO BE INSTALLED ON ALL WALLS OF TOILET ROOM.
- 8. FINISHED HEIGHT OF CHAIR RAIL CR-1 IS 3'-9" A.F.F.
- 9. PATTERN/GRAIN DIRECTION TO ALIGN WITH DECORATIVE TRUSSES ABOVE.
- 10. HRB-1 AT BARBER SHOP STOREFRONT LOCATION ONLY TO BE PAINTED P-8.
- 11. DESIGN INTENT IN RESIDENT COMMONS 100, 200 AND 300: NEW FLOORING SHALL BE ROTATED 90-DEGREES FROM GRAIN/PLANK DIRECTION OF EXISTING LVT IN NURSE STATION. VERIFY IN FIELD PRIOR TO INSTALLATION.
- 12. PROVIDE SUB-LEVELER OR BUILD UP SUBSTRATE BENEATH LVT TO RESULT IN FLUSH TRANSITION BETWEEN RUBBER AND LVT.
- 13. DOOR AND WINDOW FRAMES TO BE SPLIT FINISH.

SHADING INDICATES AREAS OF BUILDING NOT INCLUDED IN SCOPE OF WORK

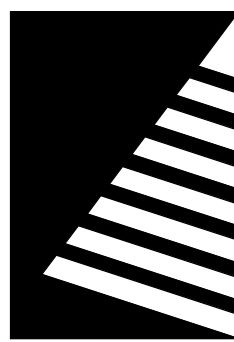


KEY PLAN  
SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



DATED: 08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: JDP  
CHECKED BY: NRB  
DESIGNED BY: JDP

SHEET TITLE:

ENLARGED FINISH  
PLAN - WING C

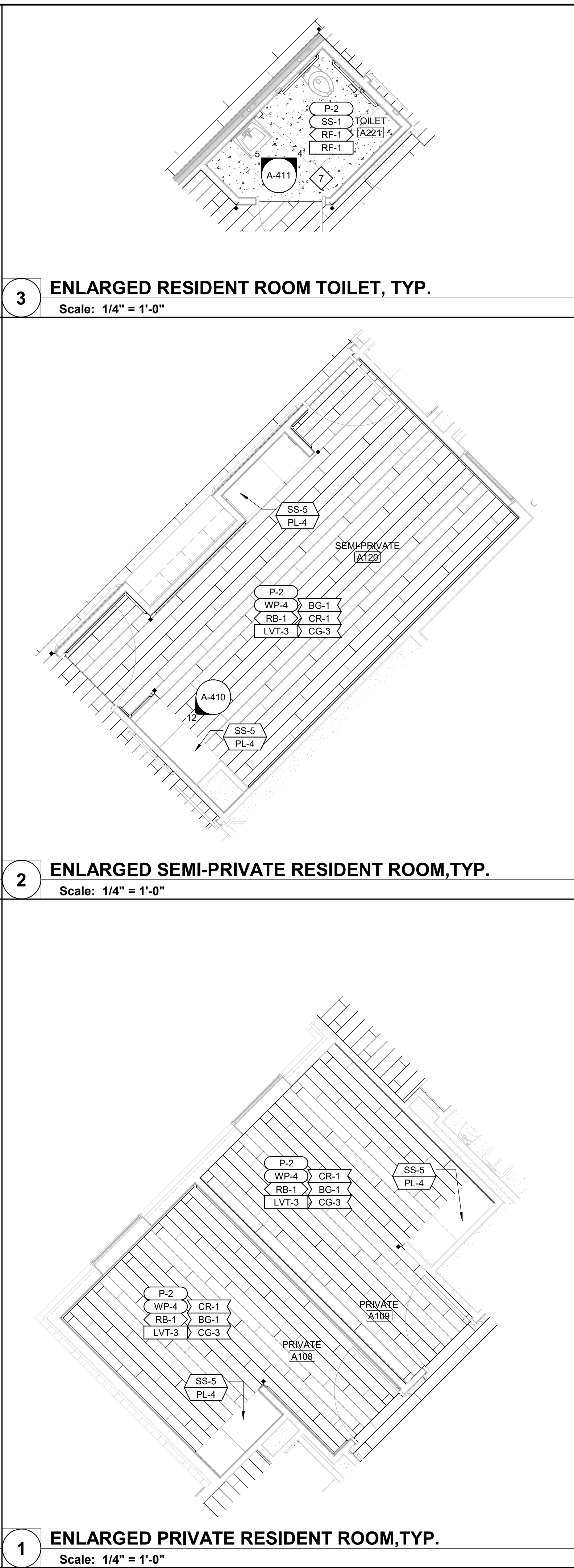
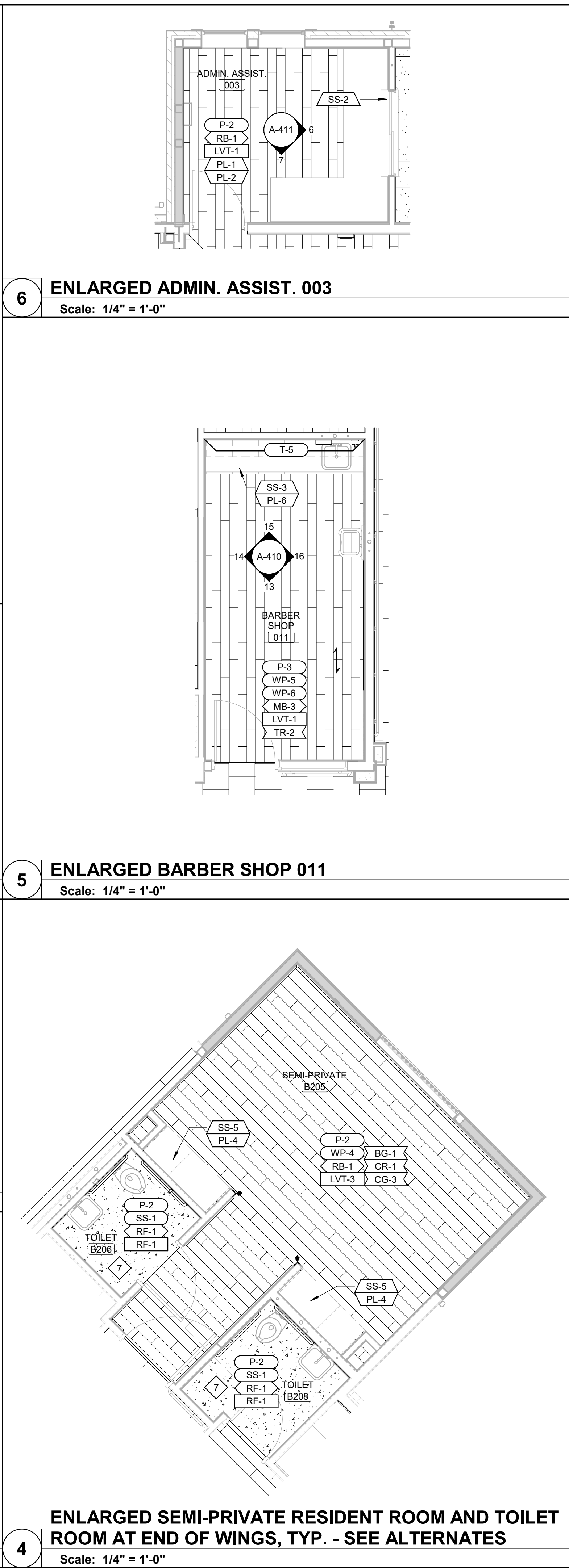
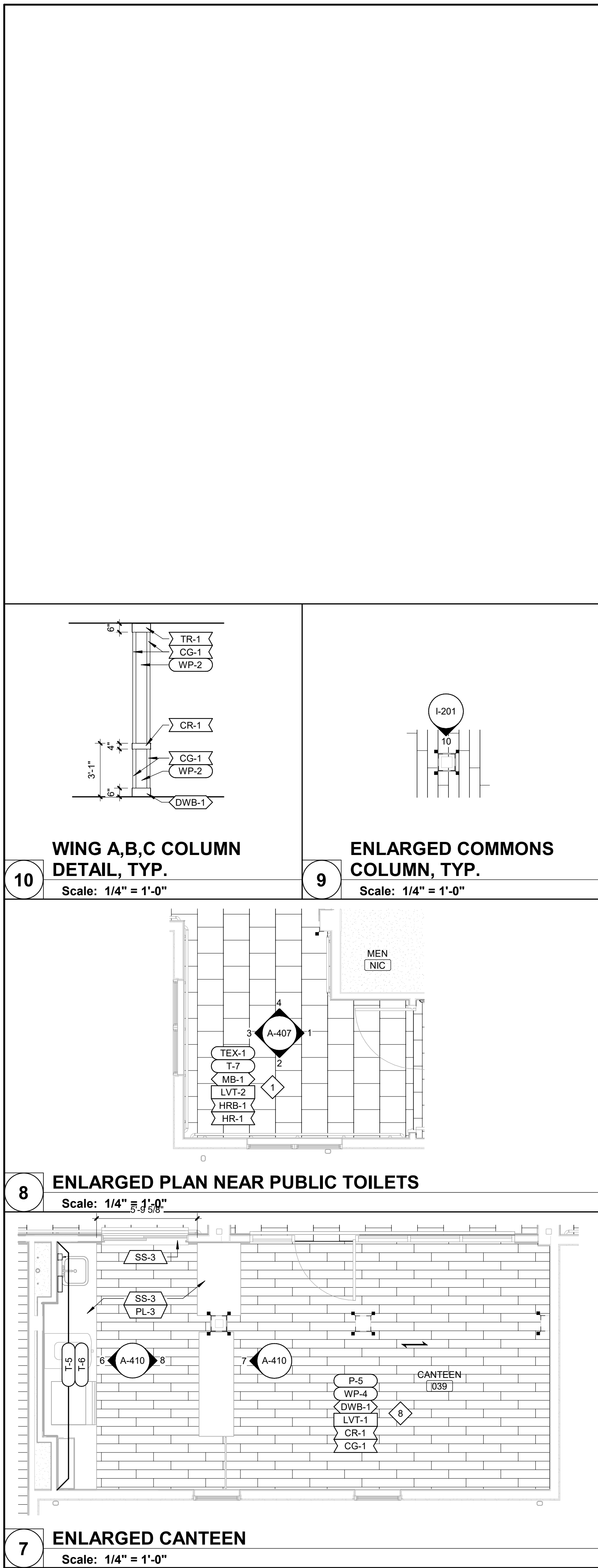
SHEET NUMBER:

I-105

SHEET 102 OF 197  
ISSUE DATE: 08/15/2024



8/14/2024 9:41:48 PM



FINISH PLAN GENERAL NOTES	
A.	BASIS-OF-DESIGN PRODUCT: WHERE SPECIFICATIONS OR DRAWINGS NAME A PRODUCT AND MANUFACTURER, PROVIDE THE SPECIFIED PRODUCT/MANUFACTURER OR SUBMIT AN ALTERNATE REQUEST TO BE REVIEWED BY ARCHITECT/DESIGNER. ALTERNATE PRODUCTS TO RESEMBLE BASIS OF DESIGN PRODUCT IN SIZE, PROFILE, DIMENSIONS, COLOR AND OTHER CHARACTERISTICS.
B.	ALL CONTRACTORS TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
C.	ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT.
D.	DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF WHEN IN CLOSED POSITION, UNLESS OTHERWISE NOTED OR SHOWN.
E.	REMARKS COLUMN ON ROOM AND PRODUCT FINISH SCHEDULE INDICATES GENERAL COMMENTS ONLY. SEE INTERIOR FINISH PLANS AND SPECIFICATIONS FOR LOCATIONS AND DETAILS.
F.	ALL GYPSUM CELINGS SHALL BE P-1 UNLESS OTHERWISE NOTED OR SHOWN.
G.	ALL WALLS SHALL BE P-2, UNLESS OTHERWISE NOTED OR SHOWN.
H.	ALL METAL DOORS, DOOR FRAMES, AND WINDOW FRAMES INCLUDED IN SCOPE OF WORK AREAS SHALL BE P-9, UNLESS OTHERWISE NOTED OR SHOWN. IF ONE SIDE OF THE DOORS/FRAMES ARE NOT IN SCOPE OF WORK, PAINT FRAMES AS NOTED WITH SPLIT FINISH.
I.	CORRIDOR MAIN STREET 010: OUTSIDE CORNERS OF TILE INSTALLATIONS TO HAVE HEAVY DUTY EDGE PROTECTION CG-5. BASIS OF DESIGN SCHLUTER ECK-E. STAINLESS FINISH.
J.	AT CONDITIONS WHERE DIMENSIONAL CORNER GUARDS ARE SPECIFIED ABOVE AND BELOW DIMENSIONAL CHAIR RAIL, FINISH EXPOSED END OF CHAIR RAIL WITH DECORATIVE MITER JOINT.
K.	U.N.O. INSTALL CHAIR RAIL (CR-1) AND/OR HAND RAIL BACKER BOARD (HRB-1) AT FINISHED HEIGHT OF 3'-1" A.F.F.
L.	U.N.O. HAND RAILS (HR-1) TO BE INSTALLED AT FINISHED HEIGHT OF 2'-10" A.F.F.
M.	SEE SHEET A-603 FOR SOLID SURFACE WINDOW SILL DETAILS.
N.	SEE SHEET G-002 FOR STANDARD MOUNTING HEIGHTS FOR TYPICAL BUMPER GUARDS, CORNER GUARDS, HANDRAIL AND CHAIR RAIL, U.N.O.
O.	WHERE NEW SOLID SURFACE WALL PANELS ARE INDICATED FOR INSTALL IN RESIDENT TOILET ROOMS, MATCH FACILITY STANDARD MOUNTING HEIGHT OF EXISTING TOILET ROOMS.
P.	PVC TRIM BOARDS TO BE MITERED AT INSIDE AND OUTSIDE CORNERS. ALL EXPOSED SIDES TO BE SITE OR FACTORY FINISHED WITH NO RAW FIELD CUTS VISIBLE.
INTERIOR FINISH KEYNOTES	
1	STREETSCAPE FINISHES. SEE INTERIOR ELEVATIONS FOR PRODUCT INFORMATION AND DETAILS.
2	WALL PROTECTION TO BE FULL HEIGHT IN AREAS AS NOTED.
3	SEE SHEET I-305 FOR INTERIOR SIGNAGE DETAILS.
4	TRANSITION OF FLOOR MATERIALS TO OCCUR UNDER EXISTING SERVING STATION. CONFIRM FINAL LOCATION, SIZE, ORIENTATION AND LENGTH OF SERVING STATION PRIOR TO INSTALLATION OF FLOORING.
5	TILE T-10 TO MATCH EXISTING ADJACENT TILE INSTALLATION IN HEIGHT (APPROX. 56" A.F.F.), SIZE, COLOR AND SHEEN. ALIGN GROUT JOINTS WITH ADJACENT INSTALLATION. PROVIDE BULLNOSE TOP EDGE OR METAL TRIM TO MATCH EXISTING INSTALLATION. SITE VERIFY PRIOR TO ORDER AND INSTALLATION OF MATERIALS.
6	GYP. CEILING ABOVE LMB-1 TO BE PAINTED BLACK, P-8.
7	VERIFY HEIGHT OF EXISTING FACILITY STANDARD TOILET ROOM WALL PANELS PRIOR TO INSTALLATION. MATCH EXISTING HEIGHT. PANELS TO BE INSTALLED ON ALL WALLS OF TOILET ROOM.
8	FINISHED HEIGHT OF CHAIR RAIL CR-1 IS 3'-8" A.F.F.
9	PATTERN/GRAIN DIRECTION TO ALIGN WITH DECORATIVE TRUSSES ABOVE.
10	HRB-1 AT BARBER SHOP STOREFRONT LOCATION ONLY TO BE PAINTED P-8.
11	DESIGN INTENT IN RESIDENT COMMONS 100, 200 AND 300: NEW FLOORING SHALL BE ROTATED 90-DEGREES FROM GRAIN/PLANK DIRECTION OF EXISTING LVT IN NURSE STATION. VERIFY IN FIELD PRIOR TO INSTALLATION.
12	PROVIDE SUB-LEVELER OR BUILD UP SUBSTRATE BENEATH LVT TO RESULT IN FLUSH TRANSITION BETWEEN RUBBER AND LVT.
13	DOOR AND WINDOW FRAMES TO BE SPLIT FINISH.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR

STATE OF MISSOURI  
NICHOLAS RYAN  
BRUNER  
ARCHITECT  
NUMBER  
A-2018067676

DATED: 08/15/2024

Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043  
# DATE: DESCRIPTION:

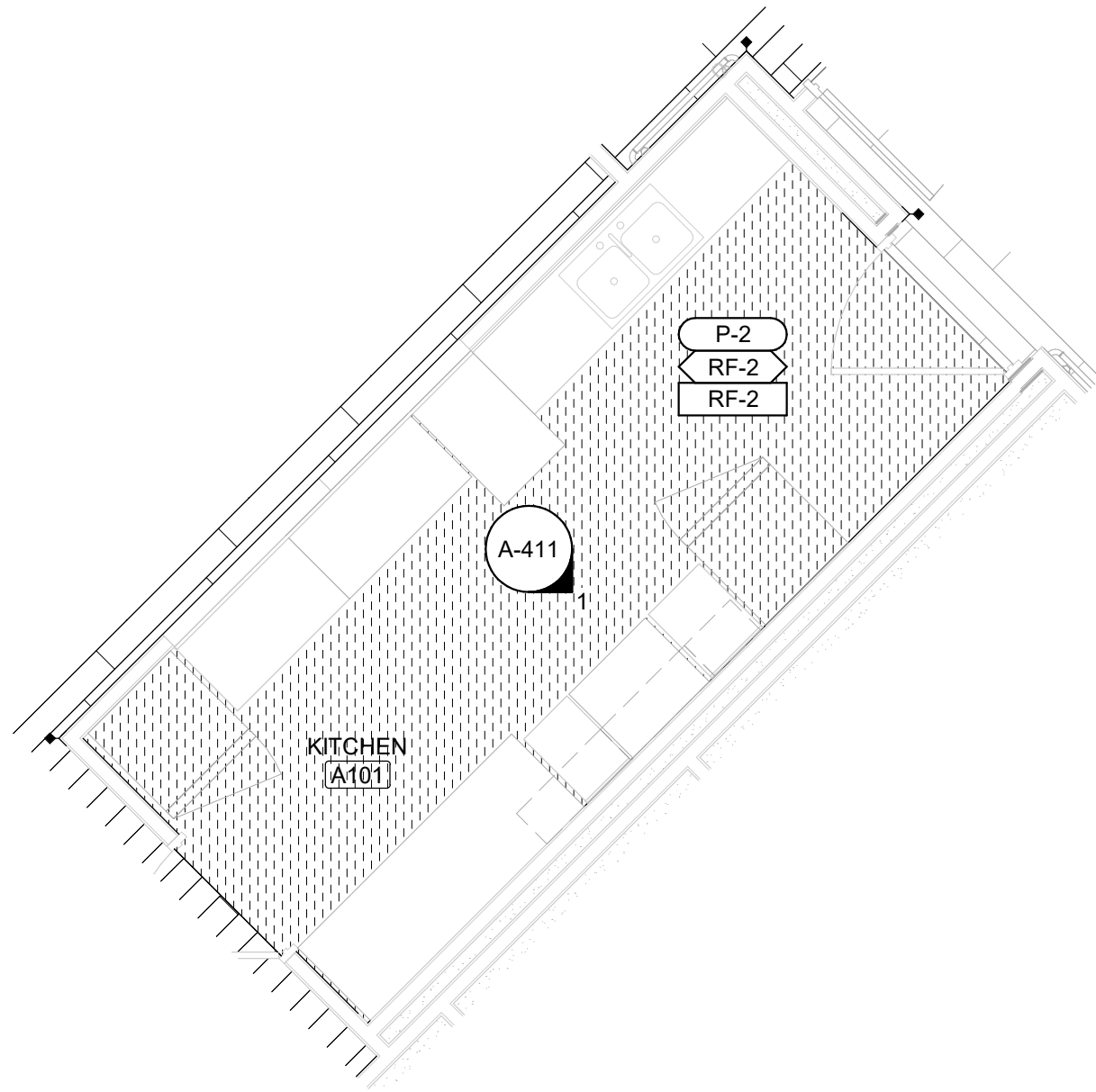
DRAWN BY: JDP  
CHECKED BY: NRB  
DESIGNED BY: JDP

SHEET TITLE:  
ENLARGED FINISH  
PLANS AND DETAILS

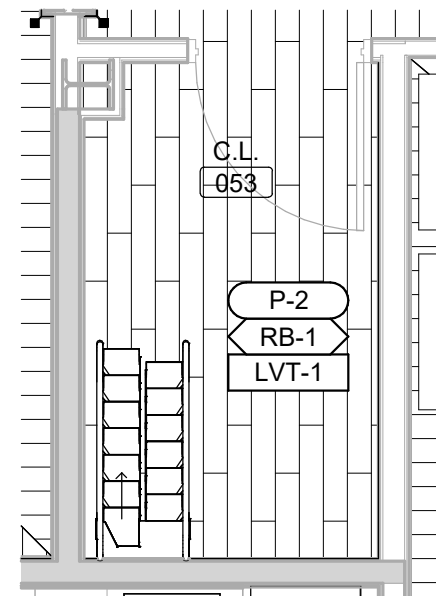
SHEET NUMBER:  
I-201

SHEET 103 OF 197  
ISSUE DATE: 08/15/2024

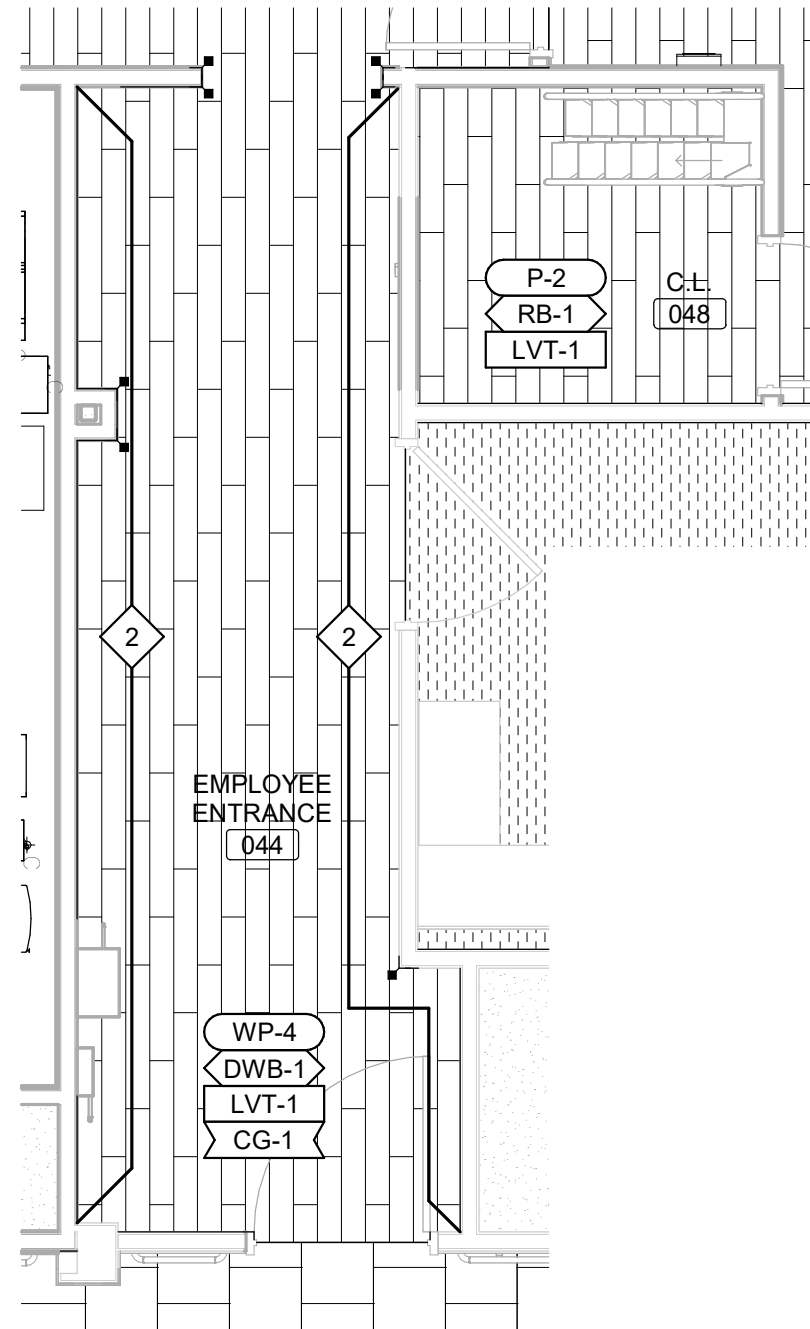




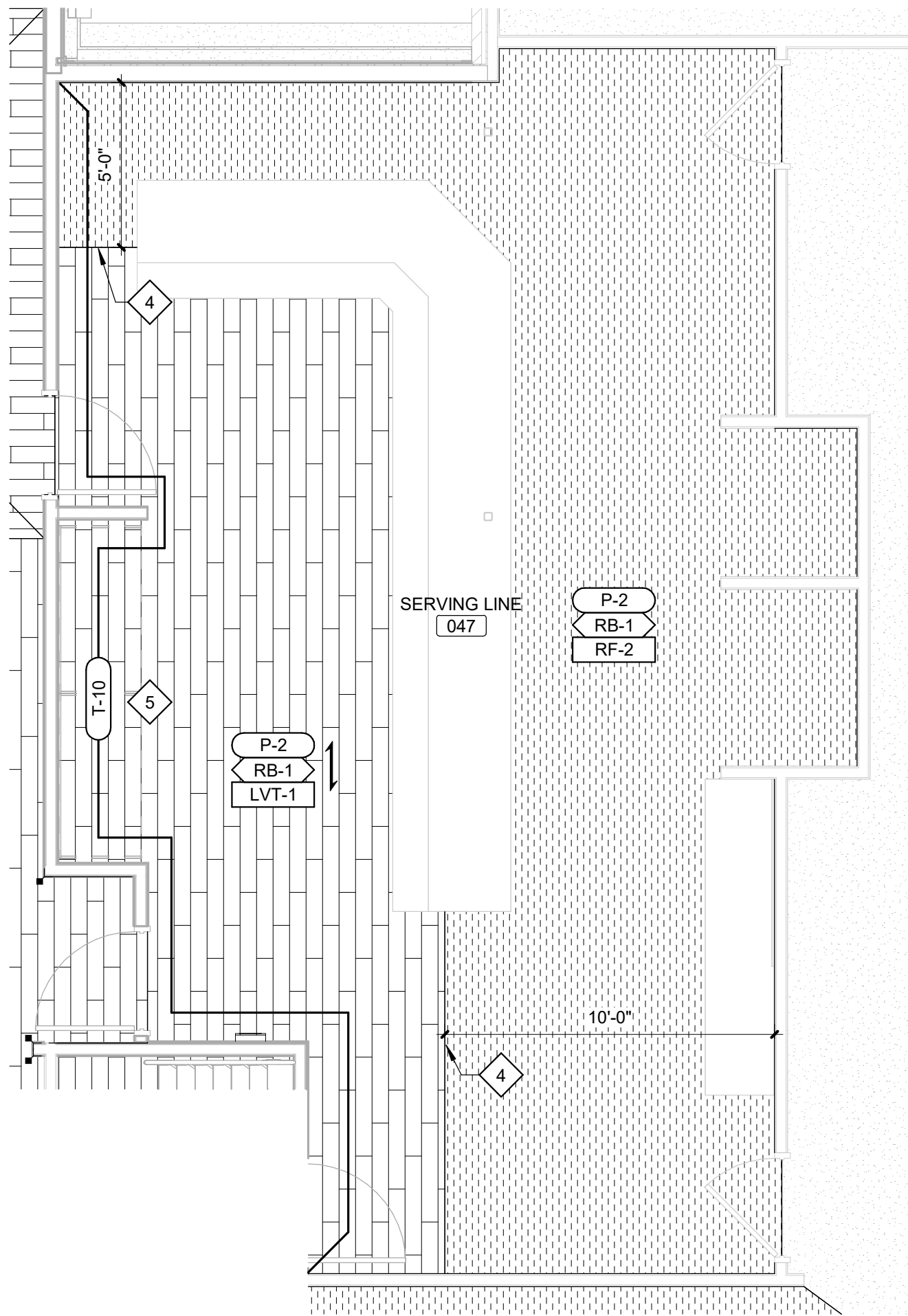
**3 ENLARGED KITCHEN A101**  
Scale: 1/4" = 1'-0"



**2 ENLARGED 053**  
Scale: 1/4" = 1'-0"



**1 ENLARGED 048**  
Scale: 1/4" = 1'-0"



**4 ENLARGED SERVING LINE 047**  
Scale: 1/4" = 1'-0"

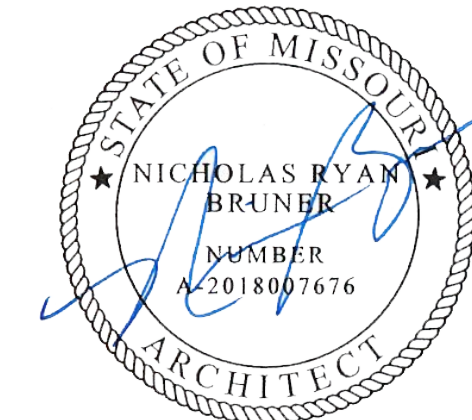
## FINISH PLAN GENERAL NOTES

- BASIS-OF-DESIGN PRODUCT: WHERE SPECIFICATIONS OR DRAWINGS NAME A PRODUCT AND MANUFACTURER, PROVIDE THE SPECIFIED PRODUCT/MANUFACTURER OR SUBMIT AN ALTERNATE REQUEST TO BE REVIEWED BY ARCHITECT/DESIGNER. ALTERNATE PRODUCTS TO RESEMBLE BASIS OF DESIGN PRODUCT IN SIZE, PROFILE, DIMENSIONS, COLOR AND OTHER CHARACTERISTICS.
- ALL CONTRACTORS TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
- ALL FLOOR TRANSITIONS THAT CHANGE MATERIALS AND/OR CHANGE THICKNESS TO RECEIVE TRANSITION STRIP TO BE APPROVED BY ARCHITECT.
- DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF WHEN IN CLOSED POSITION, UNLESS OTHERWISE NOTED OR SHOWN.
- REMARKS COLUMN ON ROOM AND PRODUCT FINISH SCHEDULE INDICATES GENERAL COMMENTS ONLY. SEE INTERIOR FINISH PLANS AND SPECIFICATIONS FOR LOCATIONS AND DETAILS.
- ALL GYPSUM CEILINGS SHALL BE P-1 UNLESS OTHERWISE NOTED OR SHOWN.
- ALL WALLS SHALL BE P-2, UNLESS OTHERWISE NOTED OR SHOWN.
- ALL METAL DOORS, DOOR FRAMES, AND WINDOW FRAMES INCLUDED IN SCOPE OF WORK AREAS SHALL BE P-9, UNLESS OTHERWISE NOTED OR SHOWN. IF ONE SIDE OF THE DOORS/FRAMES ARE NOT IN SCOPE OF WORK, PAINT FRAMES AS NOTED WITH SPLIT FINISH.
- CORRIDOR MAIN STREET 010: OUTSIDE CORNERS OF TILE INSTALLATIONS TO HAVE HEAVY DUTY EDGE PROTECTION CG-5. BASIS OF DESIGN SCHLUTER ECK-E. STAINLESS FINISH.
- AT CONDITIONS WHERE DIMENSIONAL CORNER GUARDS ARE SPECIFIED ABOVE AND BELOW DIMENSIONAL CHAIR RAIL, FINISH EXPOSED END OF CHAIR RAIL WITH DECORATIVE MITER JOINT.
- U.N.O. INSTALL CHAIR RAIL (CR-1) AND/OR HAND RAIL BACKER BOARD (HRB-1) AT FINISHED HEIGHT OF 3'-1" A.F.F.
- U.N.O. HAND RAILS (HR-1) TO BE INSTALLED AT FINISHED HEIGHT OF 2'-10" A.F.F.
- SEE SHEET A-603 FOR SOLID SURFACE WINDOW SILL DETAILS.
- SEE SHEET G-002 FOR STANDARD MOUNTING HEIGHTS FOR TYPICAL BUMPER GUARDS, CORNER GUARDS, HANDRAIL AND CHAIR RAIL, U.N.O.
- WHERE NEW SOLID SURFACE WALL PANELS ARE INDICATED FOR INSTALL IN RESIDENT TOILET ROOMS, MATCH FACILITY STANDARD MOUNTING HEIGHT OF EXISTING TOILET ROOMS.
- PVC TRIM BOARDS TO BE MITERED AT INSIDE AND OUTSIDE CORNERS. ALL EXPOSED SIDES TO BE SITE OR FACTORY FINISHED WITH NO RAW FIELD CUTS VISIBLE.

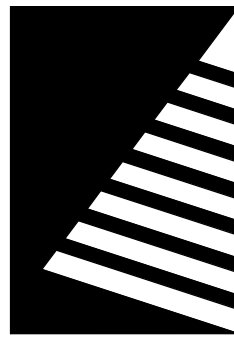
## INTERIOR FINISH KEYNOTES

- STREETSCAPE FINISHES. SEE INTERIOR ELEVATIONS FOR PRODUCT INFORMATION AND DETAILS.
- WALL PROTECTION TO BE FULL HEIGHT IN AREAS AS NOTED.
- SEE SHEET I-305 FOR INTERIOR SIGNAGE DETAILS.
- TRANSITION OF FLOOR MATERIALS TO OCCUR UNDER EXISTING SERVING STATION. CONFIRM FINAL LOCATION, SIZE, ORIENTATION AND LENGTH OF SERVING STATION PRIOR TO INSTALLATION OF FLOORING.
- TILE T-10 TO MATCH EXISTING ADJACENT TILE INSTALLATION IN HEIGHT (APPROX. 56" A.F.F.), SIZE, COLOR AND SHEEN. ALIGN GROUT JOINTS WITH ADJACENT INSTALLATION. PROVIDE BULLNOSE TOP EDGE OR METAL TRIM TO MATCH EXISTING INSTALLATION. SITE VERIFY PRIOR TO ORDER AND INSTALLATION OF MATERIALS.
- GYP. CEILING ABOVE LMB-1 TO BE PAINTED BLACK, P-8.
- VERIFY HEIGHT OF EXISTING FACILITY STANDARD TOILET ROOM WALL PANELS PRIOR TO INSTALLATION. MATCH EXISTING HEIGHT. PANELS TO BE INSTALLED ON ALL WALLS OF TOILET ROOM.
- FINISHED HEIGHT OF CHAIR RAIL CR-1 IS 3'-8" A.F.F.
- PATTERN/GRAIN DIRECTION TO ALIGN WITH DECORATIVE TRUSSES ABOVE.
- HRB-1 AT BARBER SHOP STOREFRONT LOCATION ONLY TO BE PAINTED P-8.
- DESIGN INTENT IN RESIDENT COMMONS 100, 200 AND 300: NEW FLOORING SHALL BE ROTATED 90-DEGREES FROM GRAIN/PLANK DIRECTION OF EXISTING LVT IN NURSE STATION. VERIFY IN FIELD PRIOR TO INSTALLATION.
- PROVIDE SUB-LEVELER OR BUILD UP SUBSTRATE BENEATH LVT TO RESULT IN FLUSH TRANSITION BETWEEN RUBBER AND LVT.
- DOOR AND WINDOW FRAMES TO BE SPLIT FINISH.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



DATED: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
ASSET #: 8136803002  
FAI #: 29-043

# DATE: DESCRIPTION:

DRAWN BY: Author  
CHECKED BY: Approver  
DESIGNED BY: Designer

SHEET TITLE:

**ENLARGED FINISH  
PLANS AND DETAILS**

SHEET NUMBER:

**I-202**

SHEET 104 OF 197  
ISSUE DATE: 08/15/2024

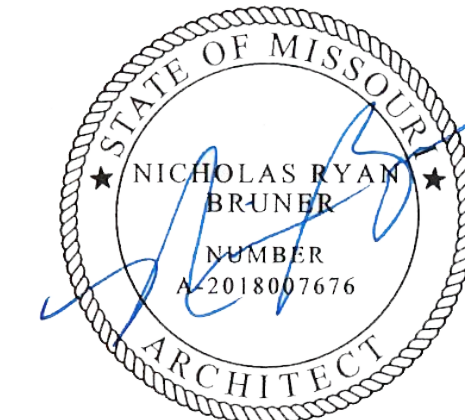




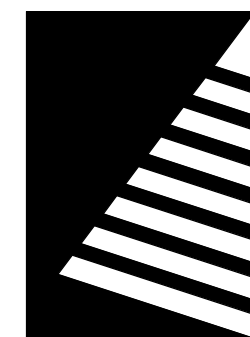
**SIGNAGE GENERAL NOTES**

- A. ALL NEW SIGNAGE SHALL BE CONTRACTOR FURNISHED AND INSTALLED.
- B. PERMANENT ROOM SIGNAGE MUST INCLUDE RAISED LETTERS AND BRAILLE. SIGNAGE SHALL BE LOCATED AT LATCH SIDE OF DOOR AND MUST BE MOUNTED IN ACCORDANCE WITH ALL CURRENT ADA STANDARDS.
- C. IF WALL SPACE IS NOT AVAILABLE FOR SIGNAGE ON LATCH SIDE OF DOOR PER MOUNTING STANDARDS, SIGNS SHALL BE INSTALLED PER CURRENT ADA STANDARDS ON NEAREST ADJACENT WALL.
- D. FINAL COPY OF ALL SIGNAGE TO BE VERIFIED AND APPROVED BY OWNER PRIOR TO ORDER AND FABRICATION.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



DATED: 08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

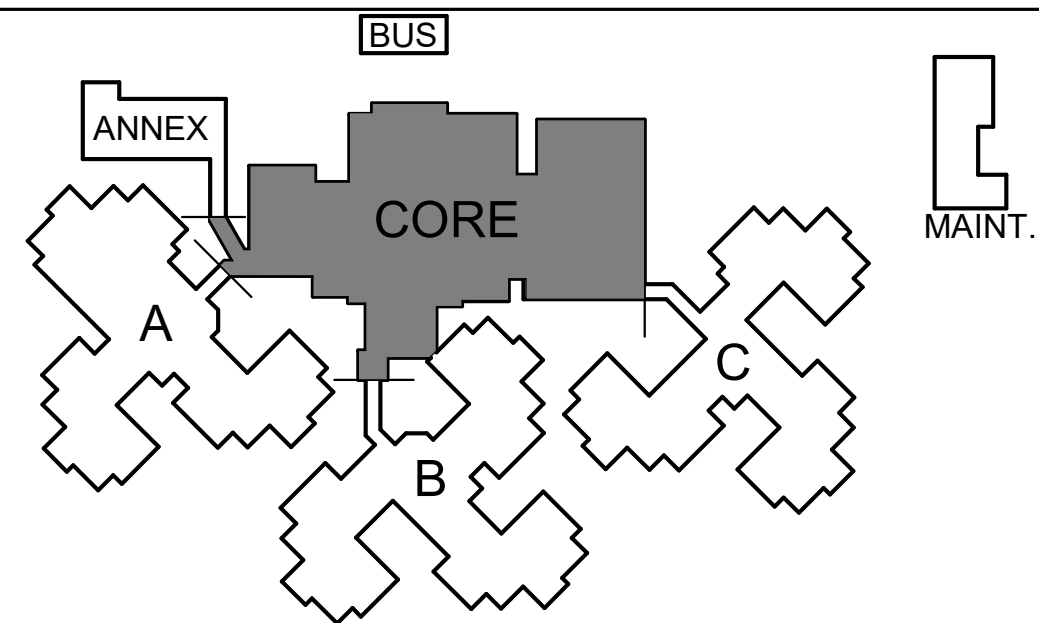
**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

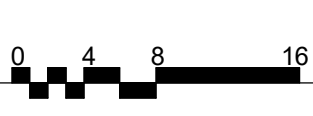
PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

SHADING INDICATES AREAS OF BUILDING  
NOT INCLUDED IN SCOPE OF WORK



**KEY PLAN**  
SCALE: NO SCALE

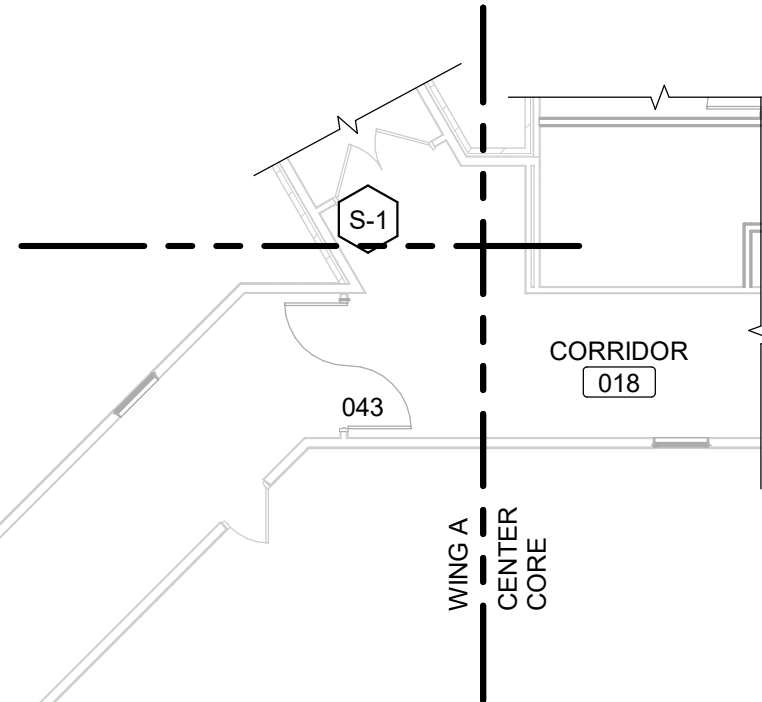


SHEET NUMBER:

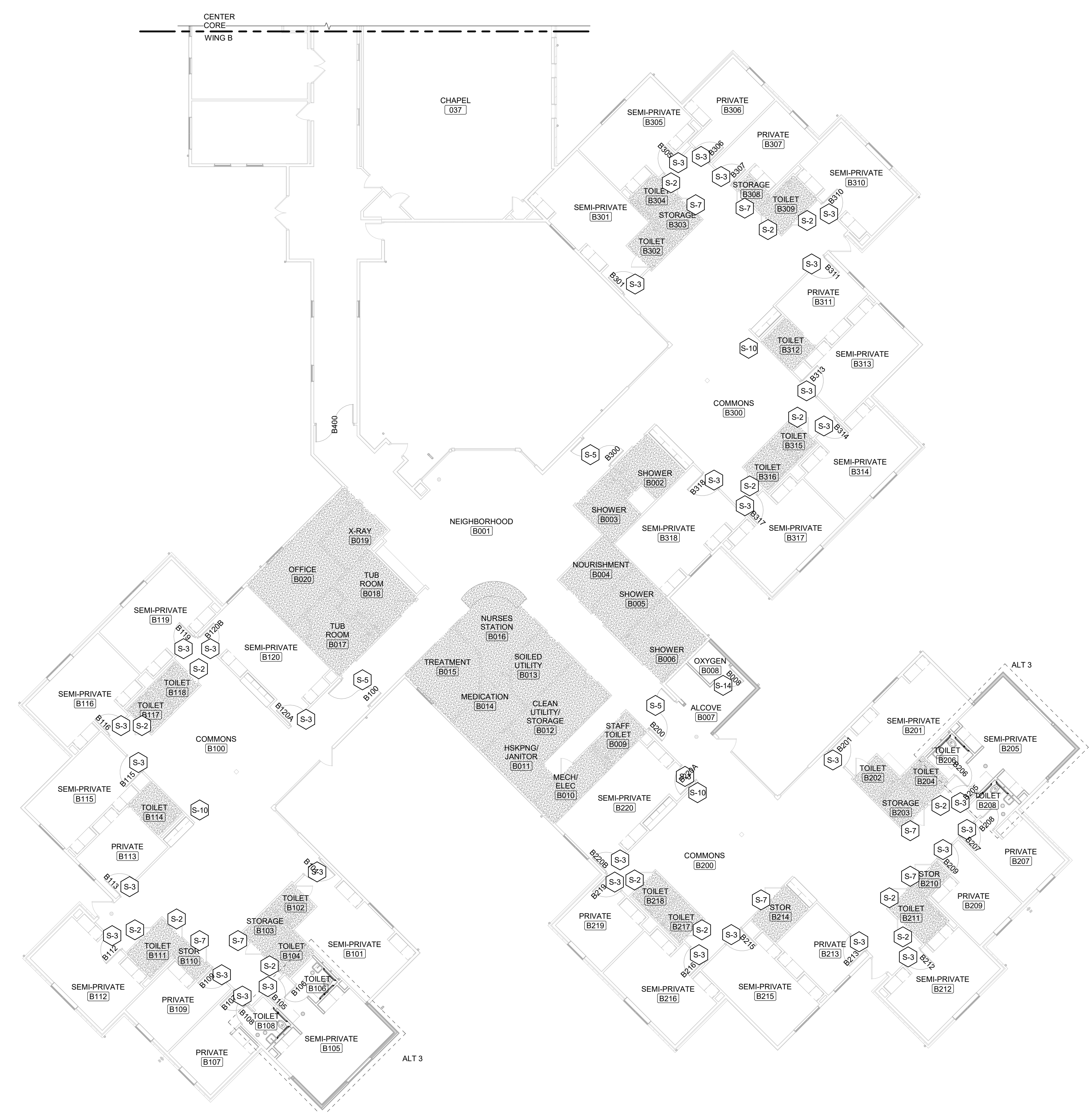
**I-301**

SHEET 105 OF 197  
ISSUE DATE: 08/15/2024





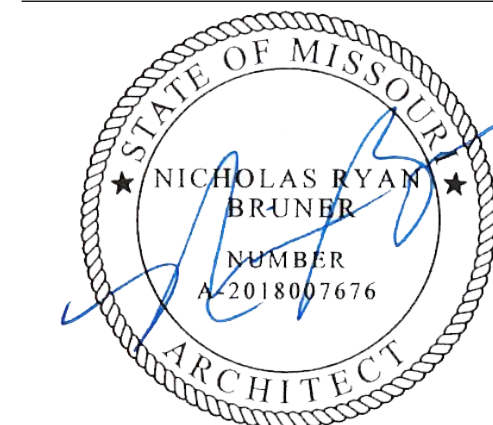




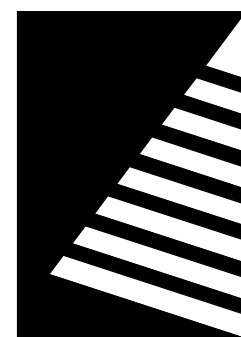
SIGNAGE GENERAL NOTES

- A. ALL NEW SIGNAGE SHALL BE CONTRACTOR FURNISHED AND INSTALLED.
- B. PERMANENT ROOM SIGNAGE MUST INCLUDE RAISED LETTERS AND BRAILLE. SIGNAGE SHALL BE LOCATED AT LATCH SIDE OF DOOR AND MUST BE MOUNTED IN ACCORDANCE WITH ALL CURRENT ADA STANDARDS.
- C. IF WALL SPACE IS NOT AVAILABLE FOR SIGNAGE ON LATCH SIDE OF DOOR PER MOUNTING STANDARDS, SIGNS SHALL BE INSTALLED PER CURRENT ADA STANDARDS ON NEAREST ADJACENT WALL.
- D. FINAL COPY OF ALL SIGNAGE TO BE VERIFIED AND APPROVED BY OWNER PRIOR TO ORDER AND FABRICATION.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



DATED: 08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

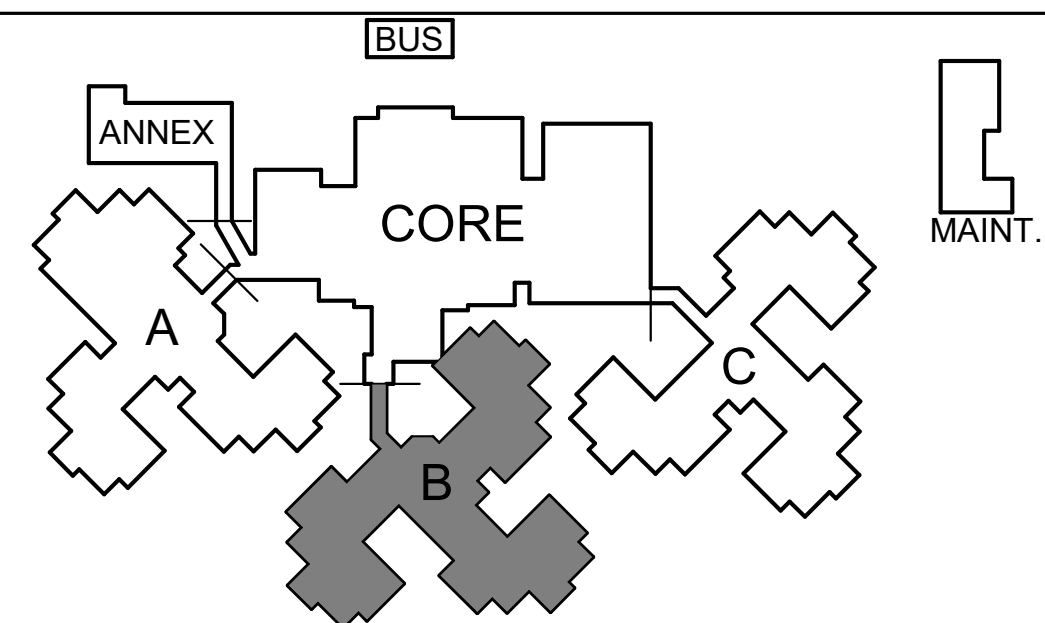
UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

SHADING INDICATES AREAS OF BUILDING  
NOT INCLUDED IN SCOPE OF WORK

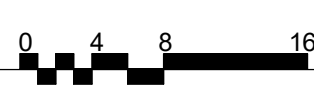


KEY PLAN  
SCALE: NO SCALE



8/14/2024 9:42:17 PM

1 ENLARGED SIGNAGE PLAN - WING B  
Scale: 3/32" = 1'-0"



SHEET NUMBER:

I-303

SHEET 107 OF 197  
ISSUE DATE: 08/15/2024





- A. ALL NEW SIGNAGE SHALL BE CONTRACTOR FURNISHED AND INSTALLED.
- B. PERMANENT ROOM SIGNAGE MUST INCLUDE RAISED LETTERS AND BRAILLE. SIGNAGE SHALL BE LOCATED AT LATCH SIDE OF DOOR AND MUST BE MOUNTED IN ACCORDANCE WITH ALL CURRENT ADA STANDARDS.
- C. IF WALL SPACE IS NOT AVAILABLE FOR SIGNAGE ON LATCH SIDE OF DOOR PER MOUNTING STANDARDS, SIGNS SHALL BE INSTALLED PER CURRENT ADA STANDARDS ON NEAREST ADJACENT WALL.
- D. FINAL COPY OF ALL SIGNAGE TO BE VERIFIED AND APPROVED BY OWNER PRIOR TO ORDER AND FABRICATION.

DATED: 08/15/2024



Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

08/15/2024

MISSOURI VETERANS  
COMMISSION

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

#	DATE:	DESCRIPTION:
---	-------	--------------

SHEET TITLE:

**ENLARGED SIGNAGE  
PLAN - WING C**

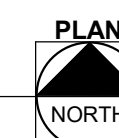
**I-304**

SHEET 108 OF 197  
ISSUE DATE: 08/15/2024

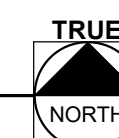
3/14/2024 9:42:22 PM

1

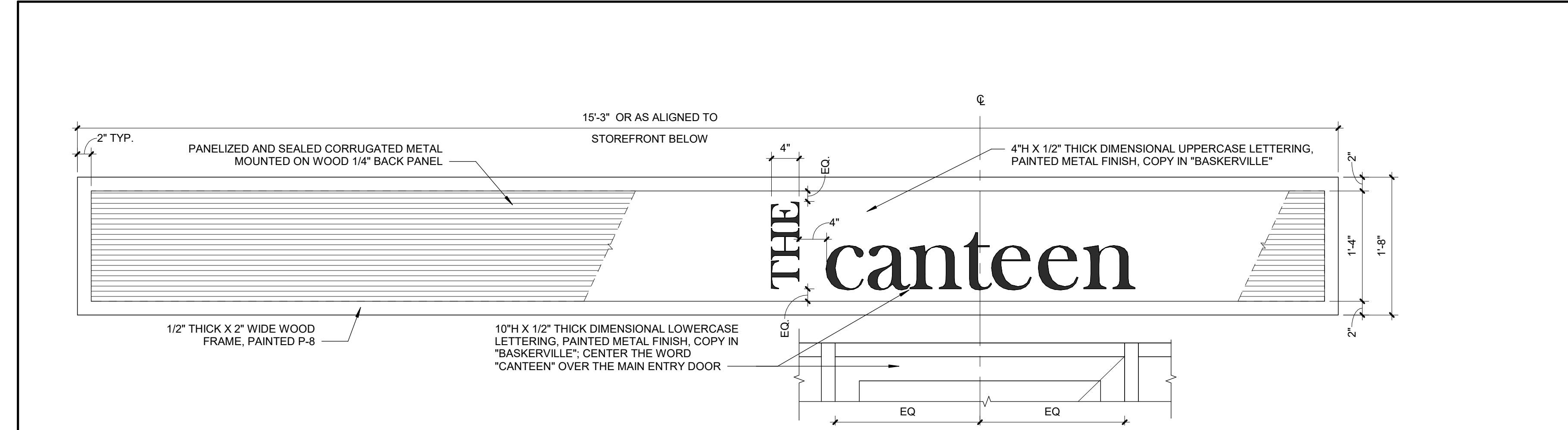
**Scale: 3/32" = 1'-0"**



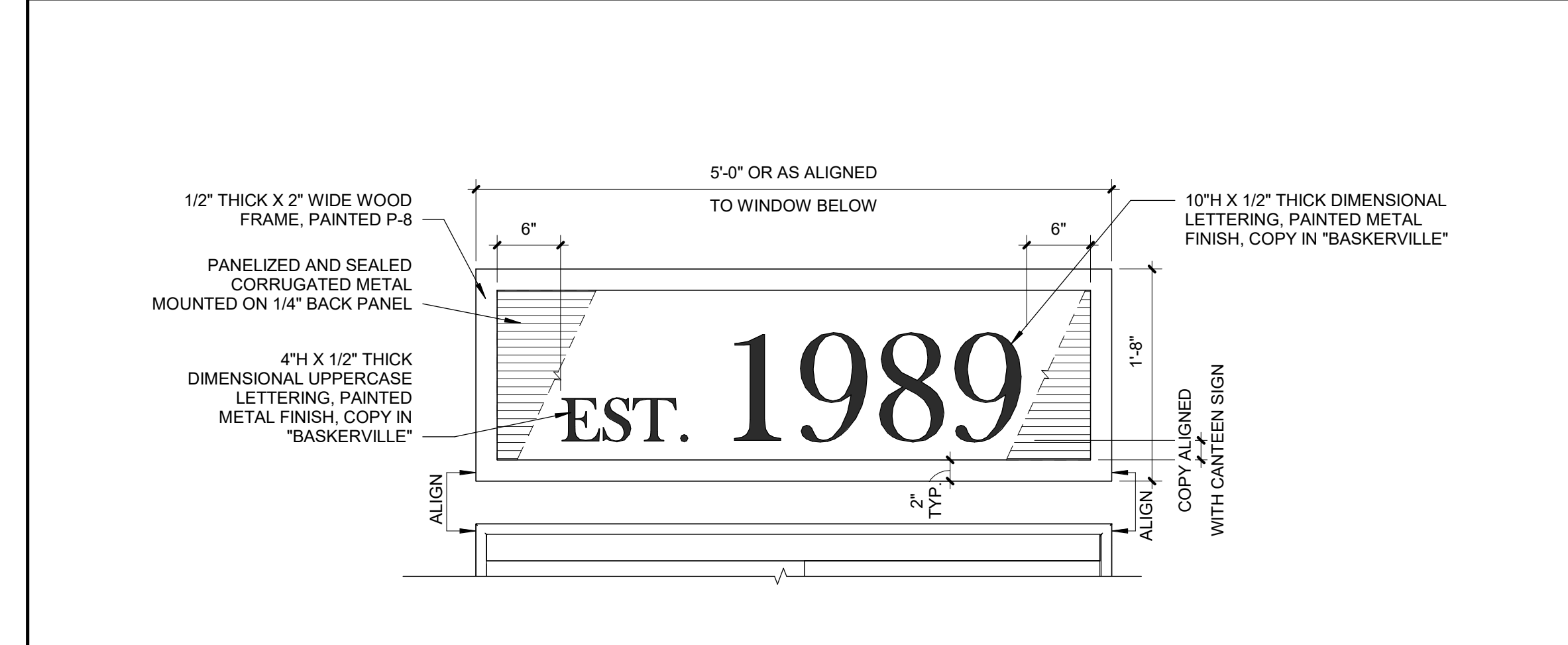
TH / SCALE: NO SCALE



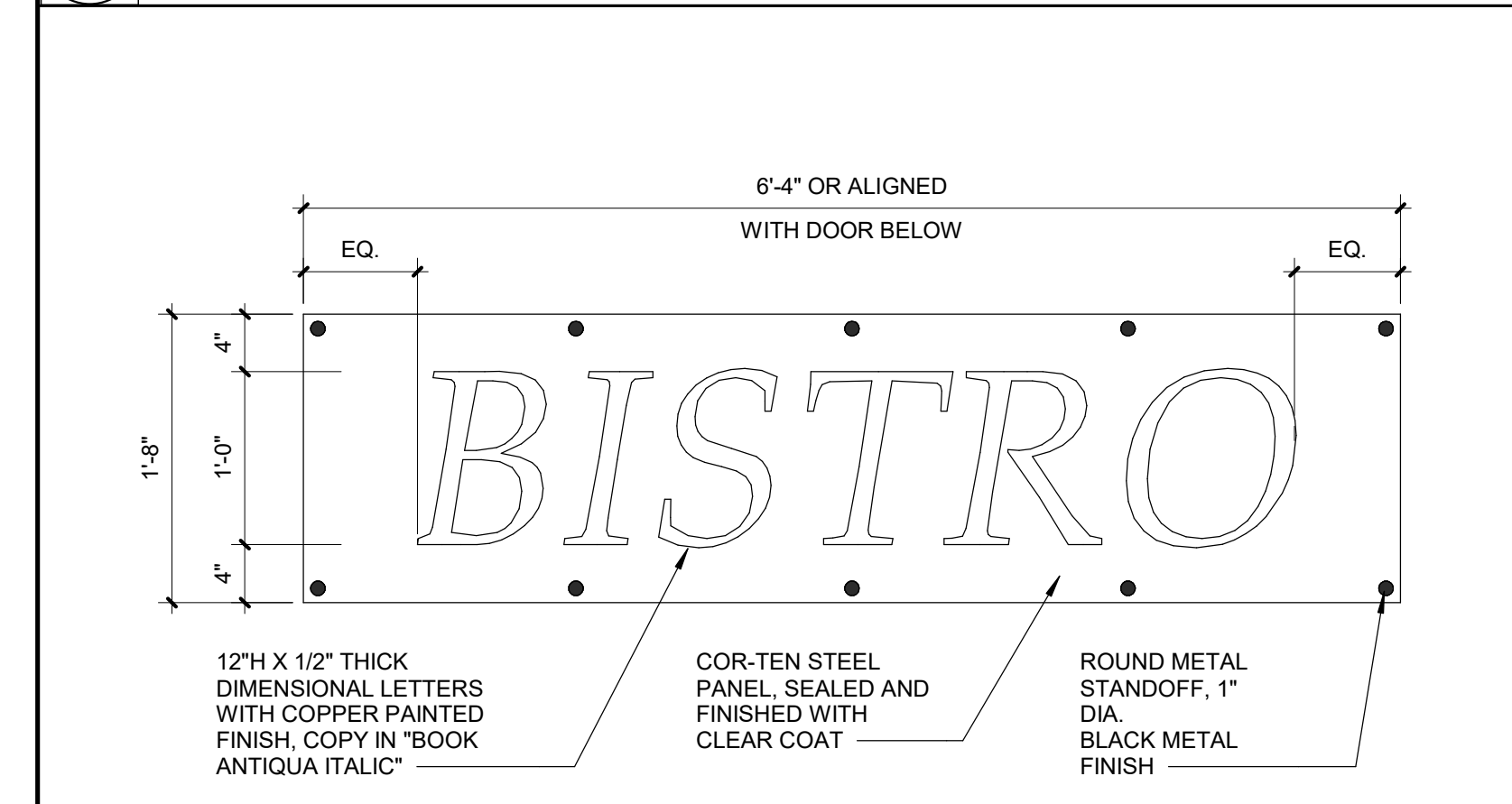




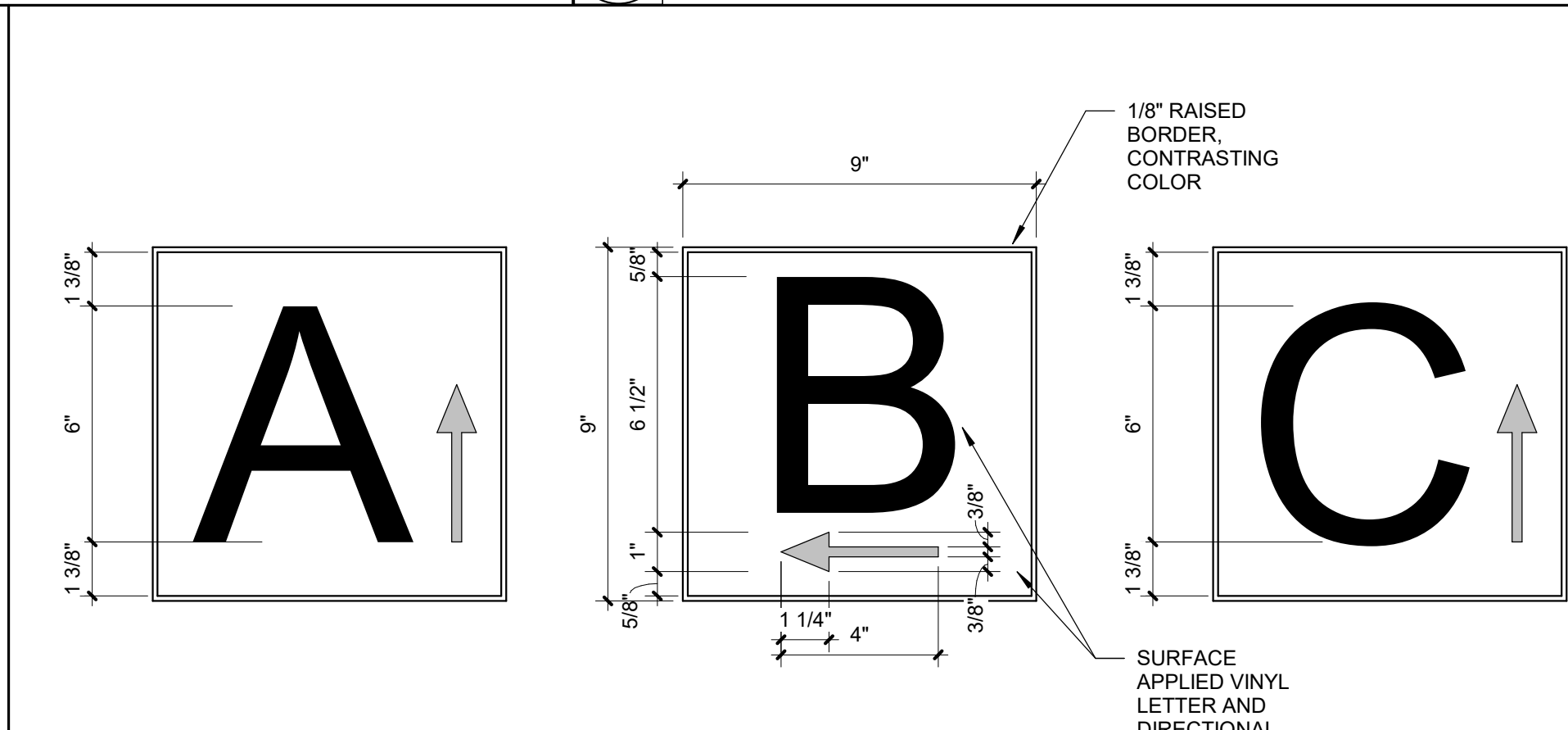
13 SIGN TYPE S-13 CANTEEN NAME  
Scale: 1" = 1'-0"



12 SIGN TYPE S-13 CANTEEN YEAR  
Scale: 1" = 1'-0"



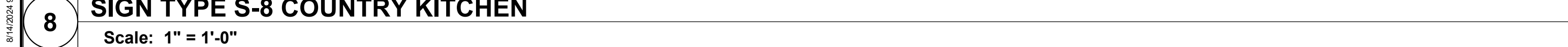
11 SIGN TYPE S-11 BISTRO  
Scale: 1" = 1'-0"



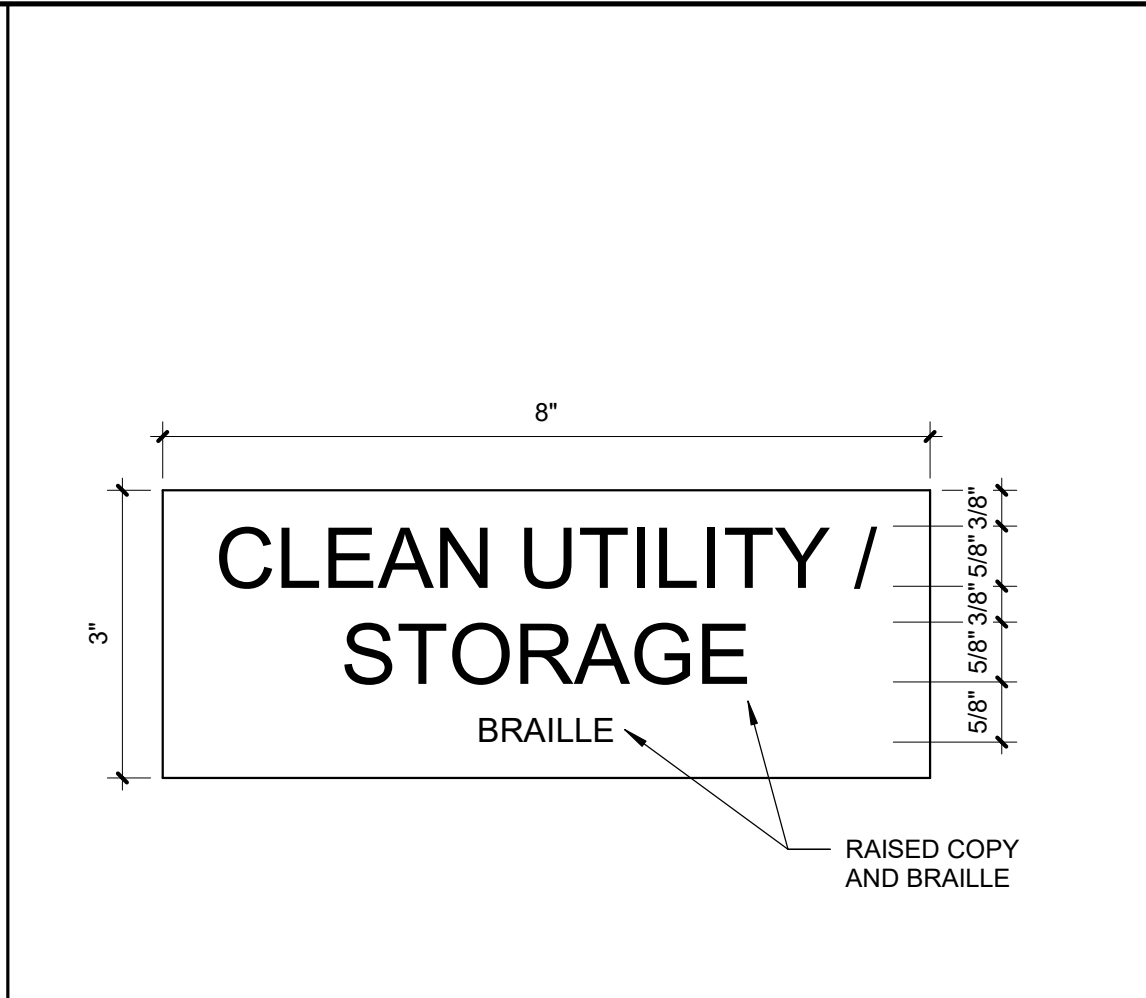
9 SIGN TYPE S-9 WING WAYFINDING  
Scale: 3" = 1'-0"



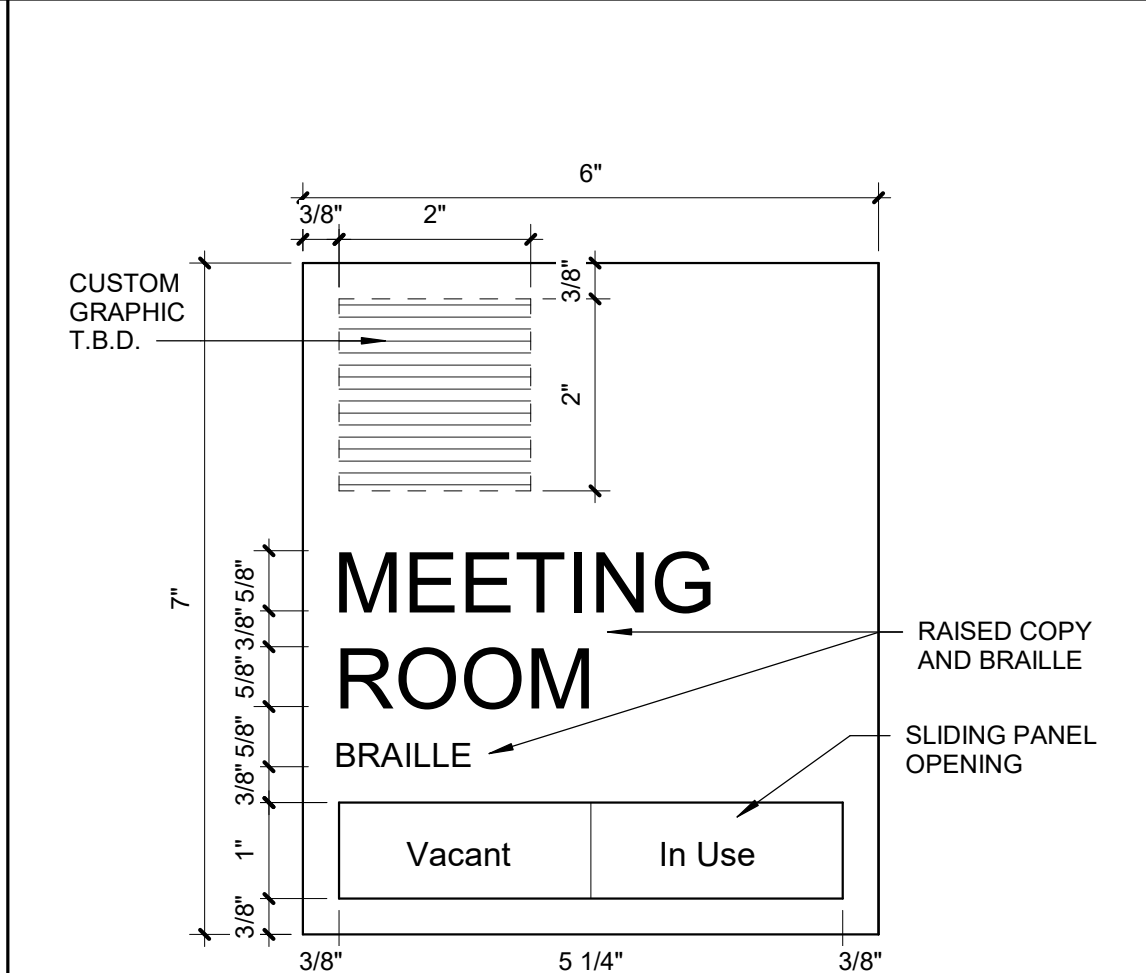
8 SIGN TYPE S-8 COUNTRY KITCHEN  
Scale: 1" = 1'-0"



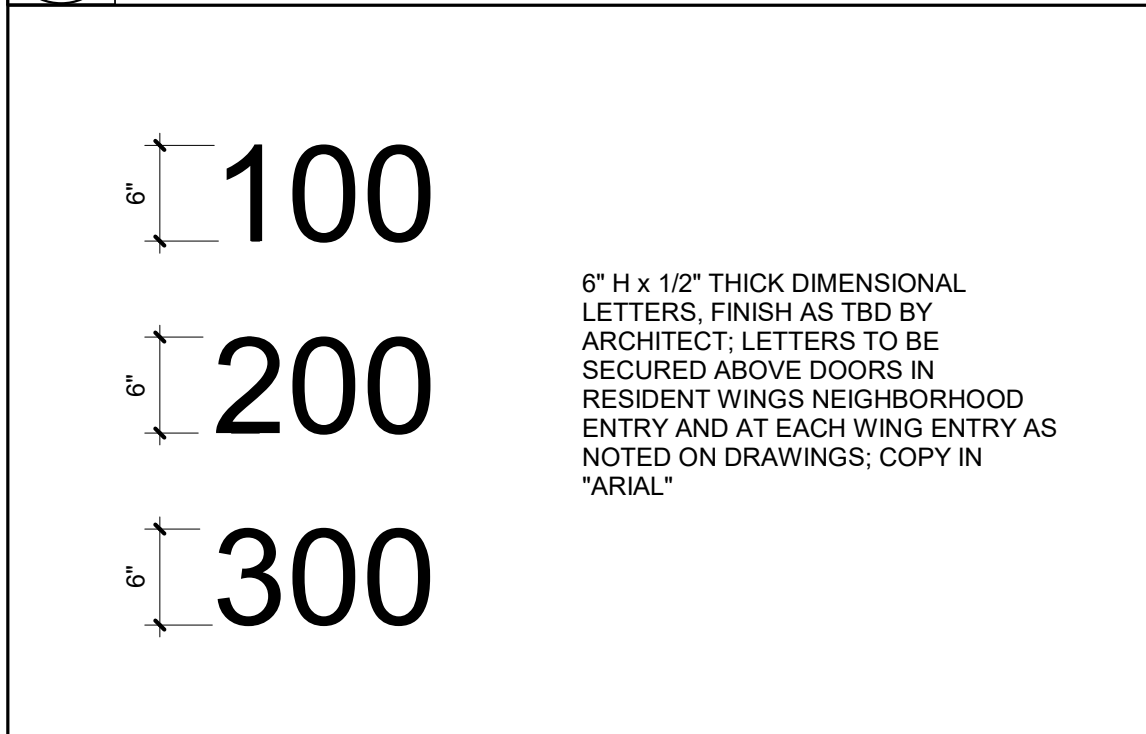
4 SIGN TYPE S-4 BANK  
Scale: 1" = 1'-0"



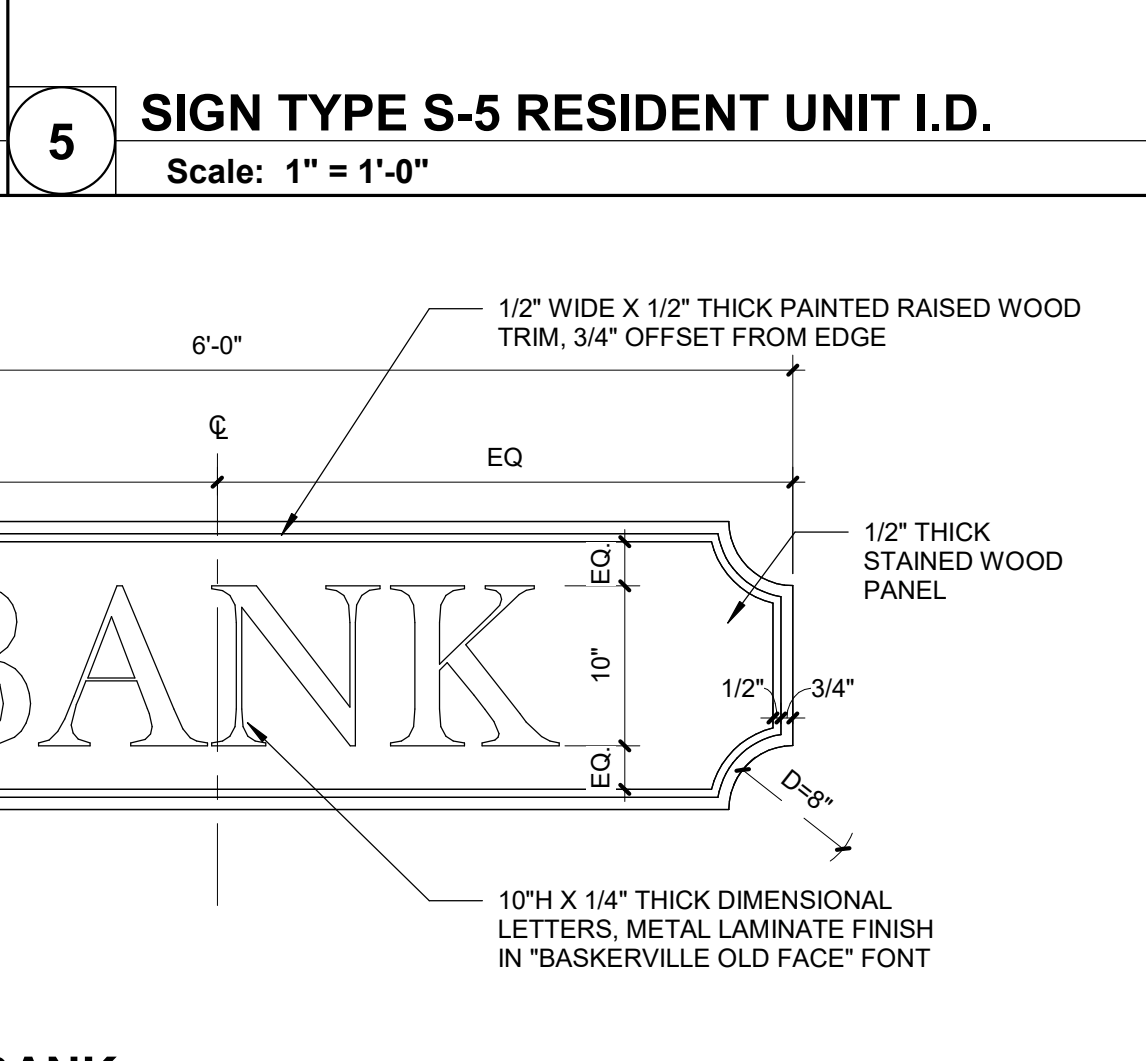
7 SIGN TYPE S-7 BACK OF HOUSE  
Scale: 6" = 1'-0"



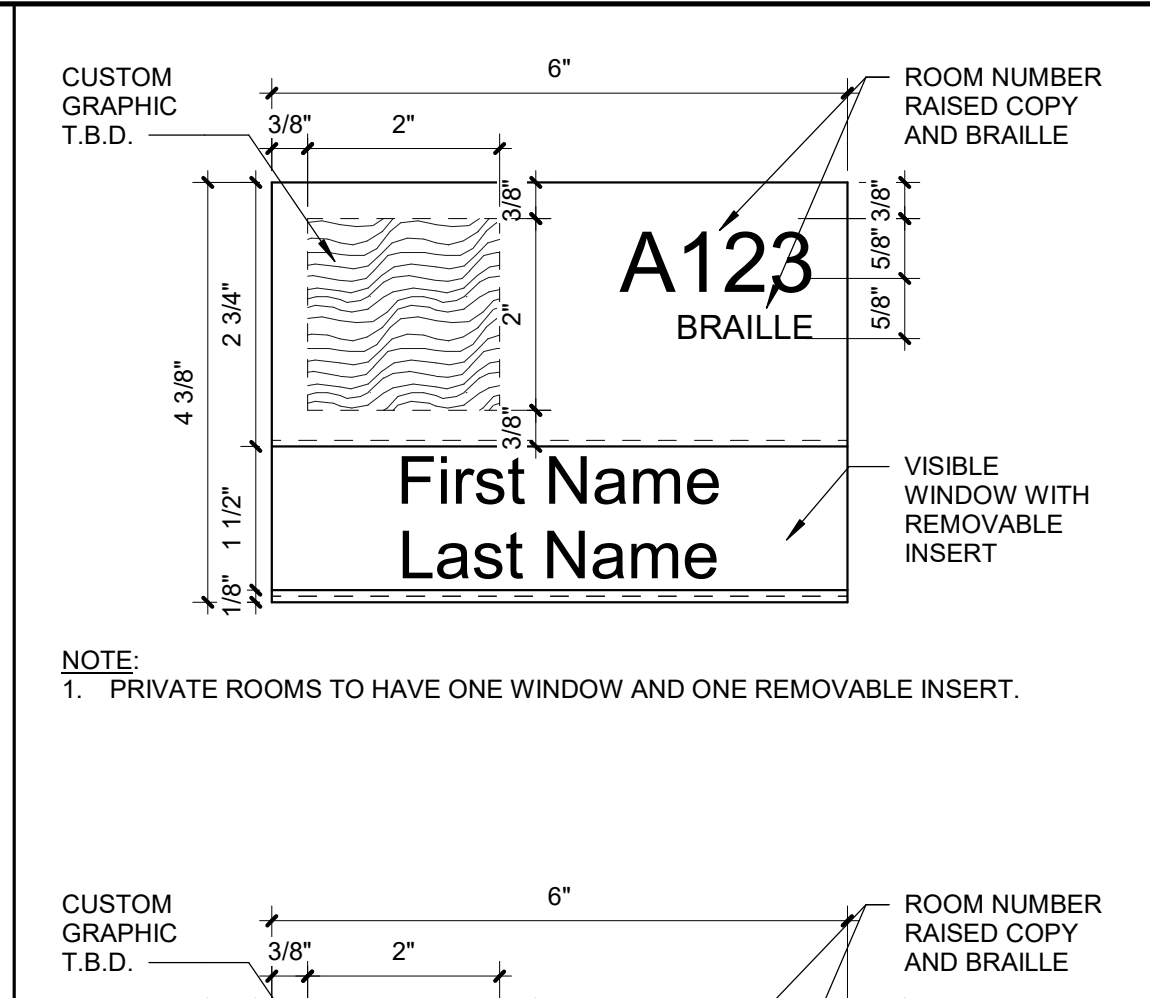
6 SIGN TYPE S-6 MEETING ROOM  
Scale: 6" = 1'-0"



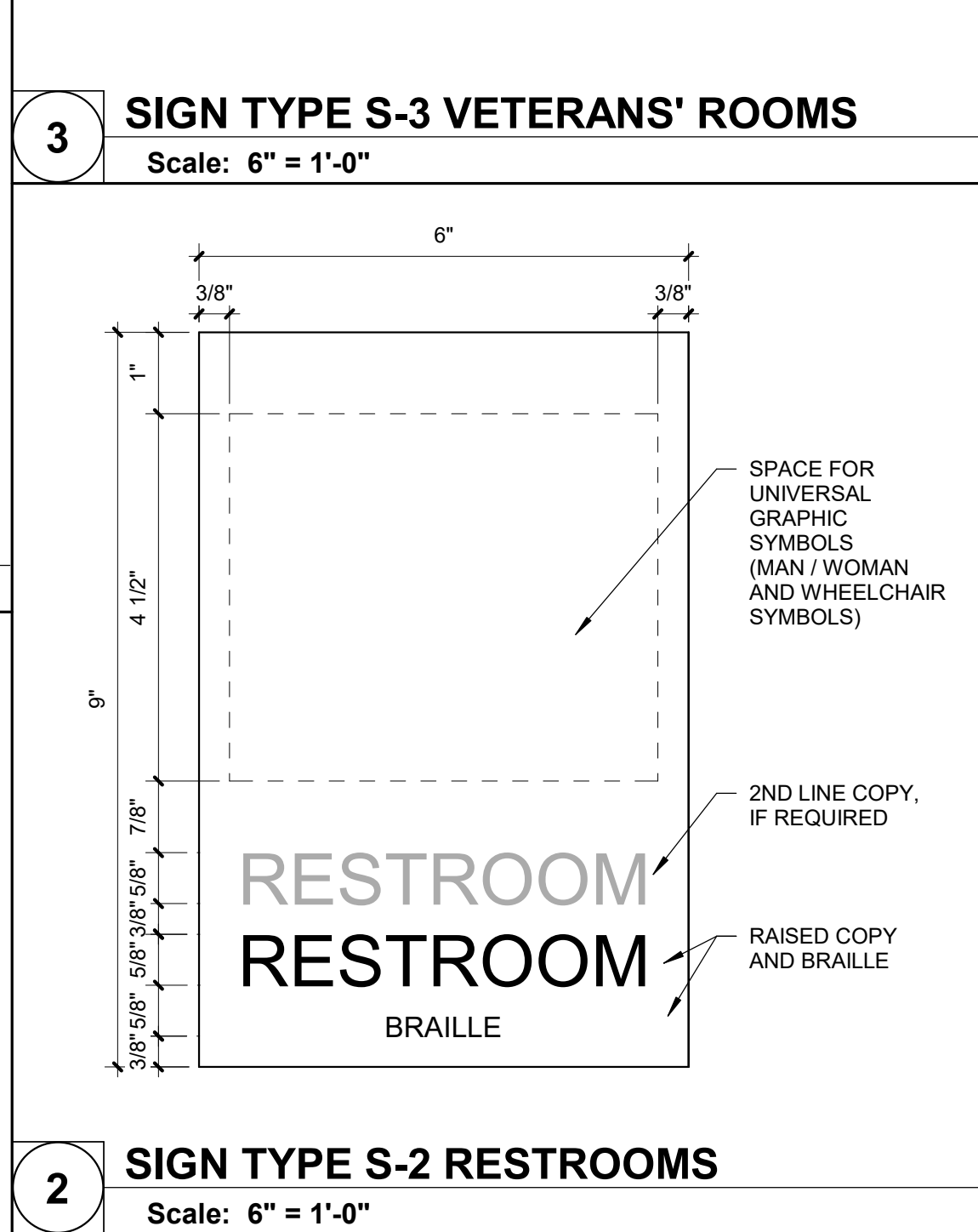
5 SIGN TYPE S-5 RESIDENT UNIT I.D.  
Scale: 1" = 1'-0"



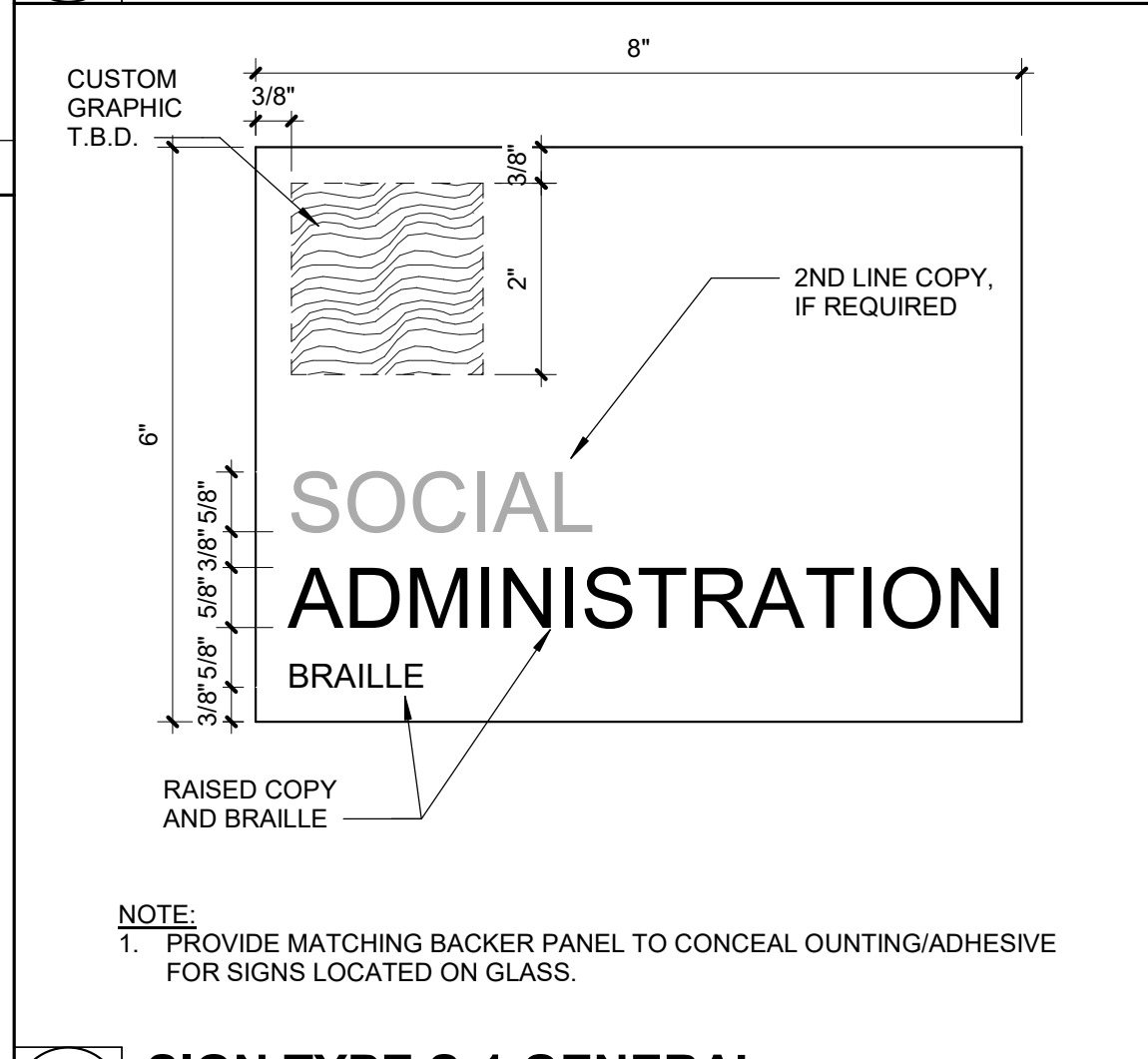
1 SIGN TYPE S-1 GENERAL  
Scale: 6" = 1'-0"



3 SIGN TYPE S-3 VETERANS' ROOMS  
Scale: 6" = 1'-0"

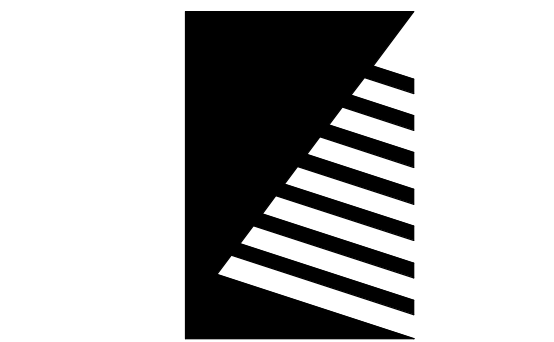
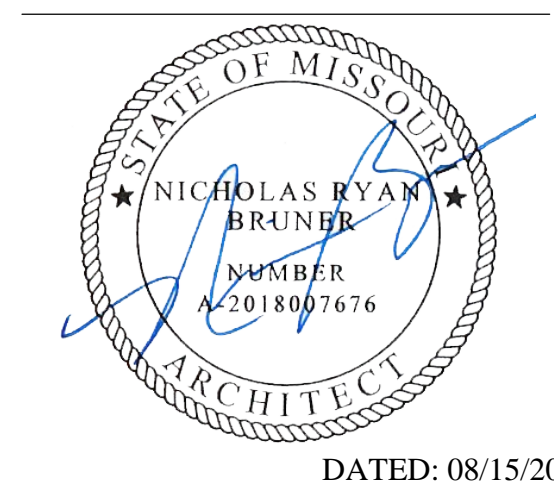


2 SIGN TYPE S-2 RESTROOMS  
Scale: 6" = 1'-0"



1 SIGN TYPE S-1 GENERAL  
Scale: 6" = 1'-0"

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET  
08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: JDP  
CHECKED BY: NRB  
DESIGNED BY: JDP

SHEET TITLE:  
INTERIOR SIGNAGE  
DETAILS

SHEET NUMBER:

I-305

SHEET 109 OF 197  
ISSUE DATE: 08/15/2024



		<div></div> <div><div>7</div><div><b>SIGN TYPE S-18 INFECTIOUS DISEASE</b> Scale: 6" = 1'-0"</div></div>	<div></div> <div><div>3</div><div><b>SIGN TYPE S-14 OXYGEN STORAGE</b> Scale: 6" = 1'-0"</div></div>
		<div></div> <div><div>6</div><div><b>SIGN TYPE S-17 PHYSICAL THERAPY</b> Scale: 1" = 1'-0"</div></div>	<div></div> <div><div>2</div><div><b>SIGN TYPE S-12 PRIVATE DINING</b> Scale: 3" = 1'-0"</div></div>
		<div></div> <div><div>5</div><div><b>SIGN TYPE S-16 LIBRARY</b> Scale: 1" = 1'-0"</div></div>	<div></div> <div><div>4</div><div><b>SIGN TYPE S-15 BARBER</b> Scale: 1" = 1'-0"</div></div>

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR

DATED: 08/15/2024

**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
ASSET #.:	8136803002
FAI #.:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: JDP  
CHECKED BY: NRB  
DESIGNED BY: JDP

SHEET TITLE:  
**INTERIOR SIGNAGE  
DETAILS**

SHEET NUMBER:  
**I-306**

SHEET 110 OF 197  
ISSUE DATE: 08/15/2024



FOR  
REFERENCE  
ONLY  
(BY OWNER)



# Farnsworth

GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #:	U1805-01
SITE #:	6803
ASSET #:	8136803002
FAI #:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: Author  
CHECKED BY: Approver  
DESIGNED BY: Designer

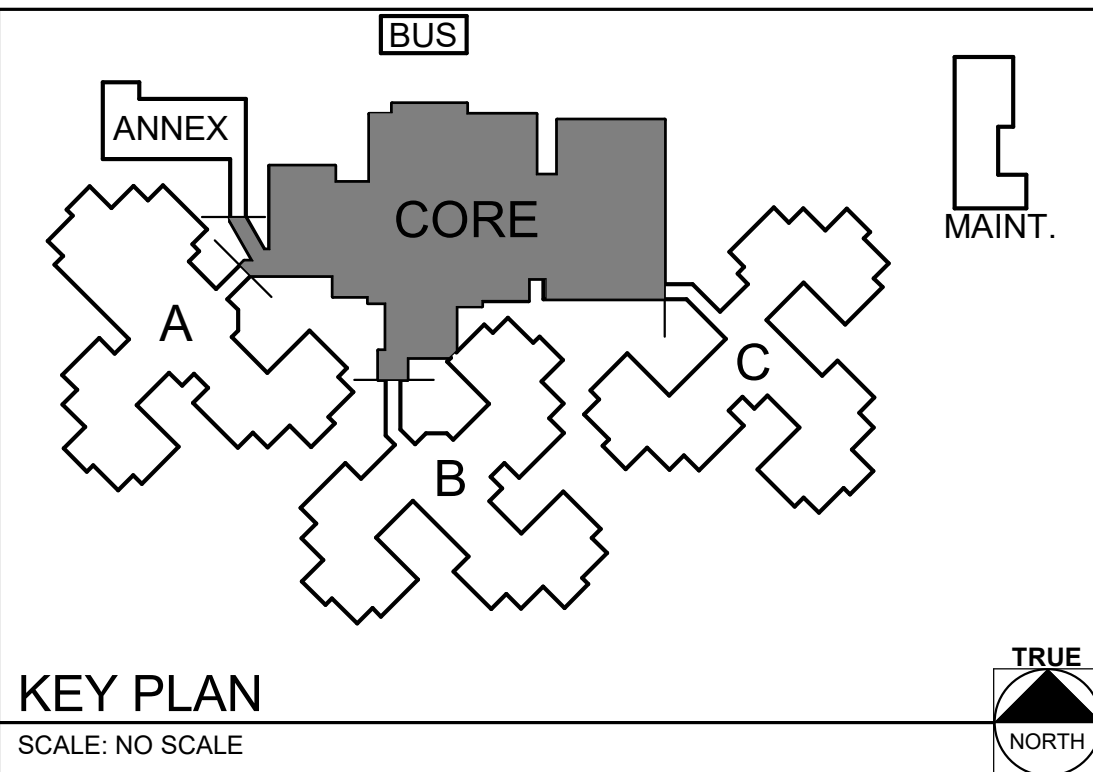
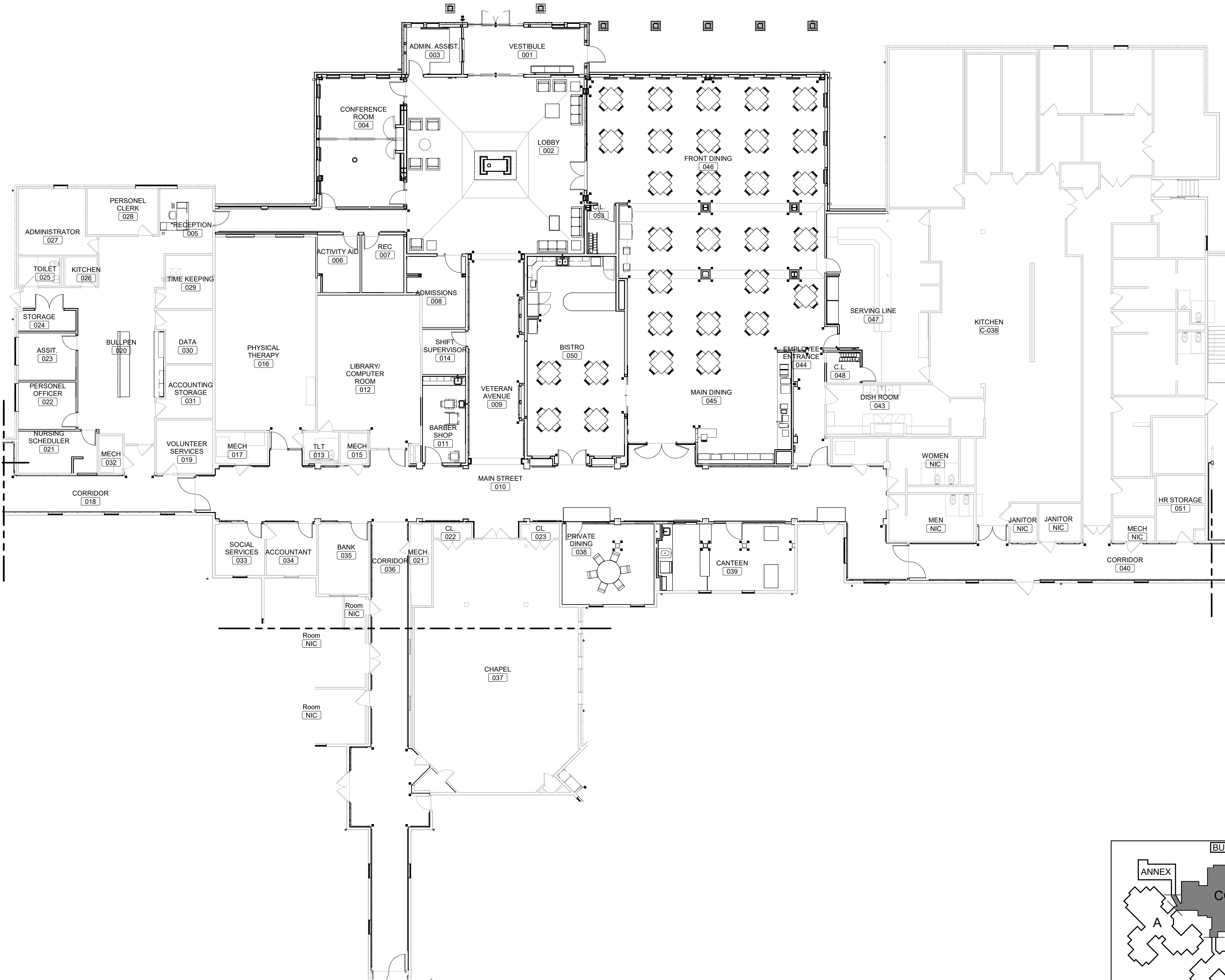
SHEET TITLE:

FURNITURE PLAN -  
CENTRAL CORE

SHEET NUMBER:

I-401

SHEET 111 OF 197  
ISSUE DATE: 08/15/2024





FOR  
REFERENCE  
ONLY  
(BY OWNER)



# Farnsworth

GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #:	U1805-01
SITE #:	6803
ASSET #:	8136803002
FAI #:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: Author  
CHECKED BY: Approver  
DESIGNED BY: Designer

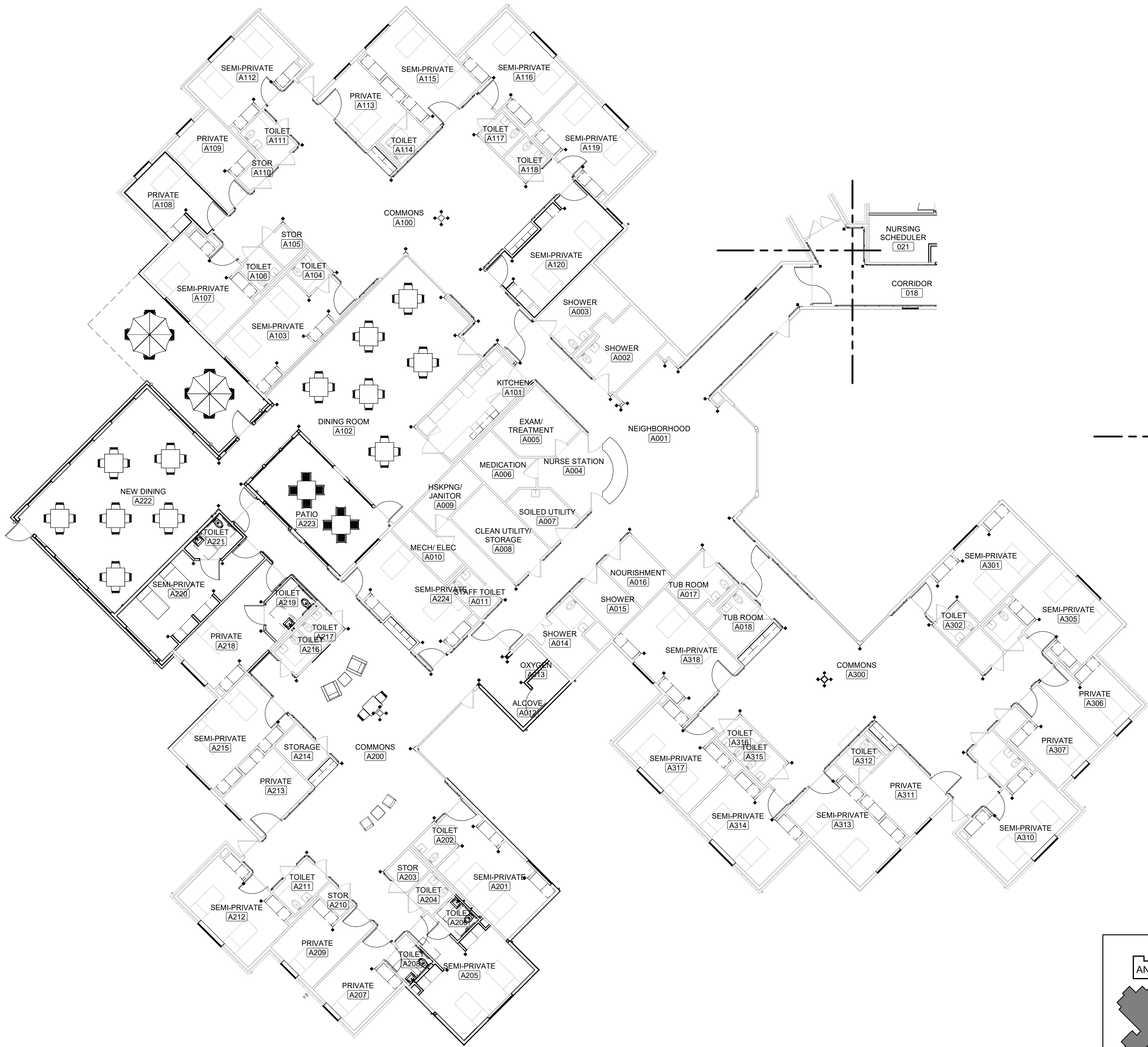
SHEET TITLE:

FURNITURE PLAN -  
WING A

SHEET NUMBER:

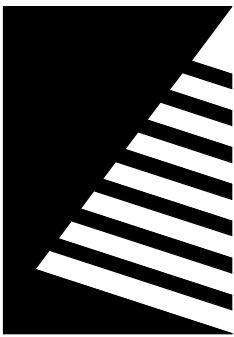
I-402

SHEET 112 OF 197  
ISSUE DATE: 08/15/2024





FOR  
REFERENCE  
ONLY  
(BY OWNER)



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: Author  
CHECKED BY: Approver  
DESIGNED BY: Designer

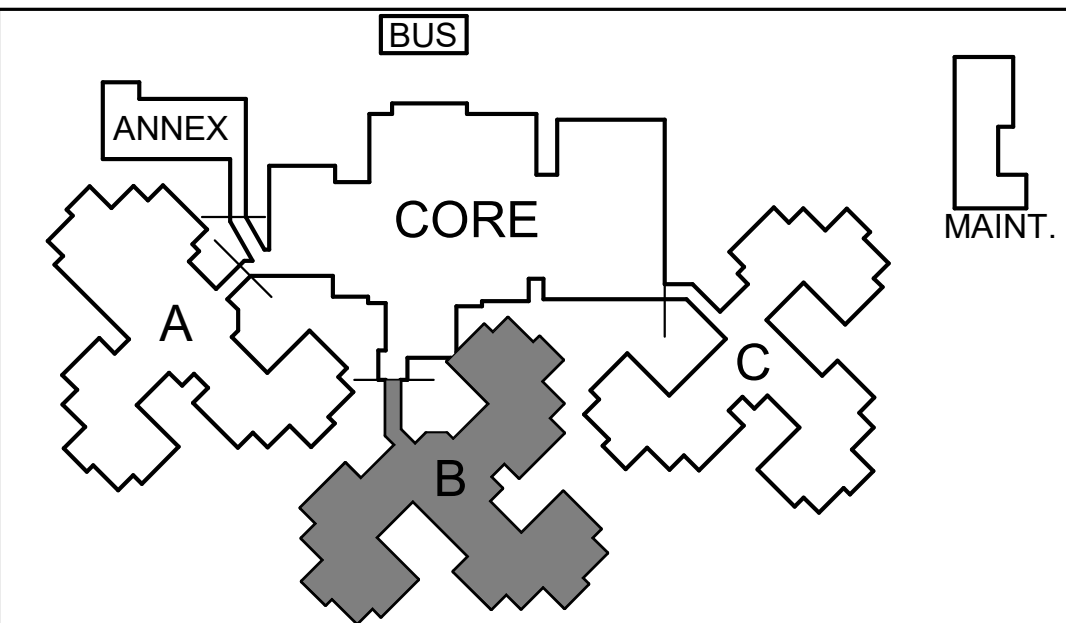
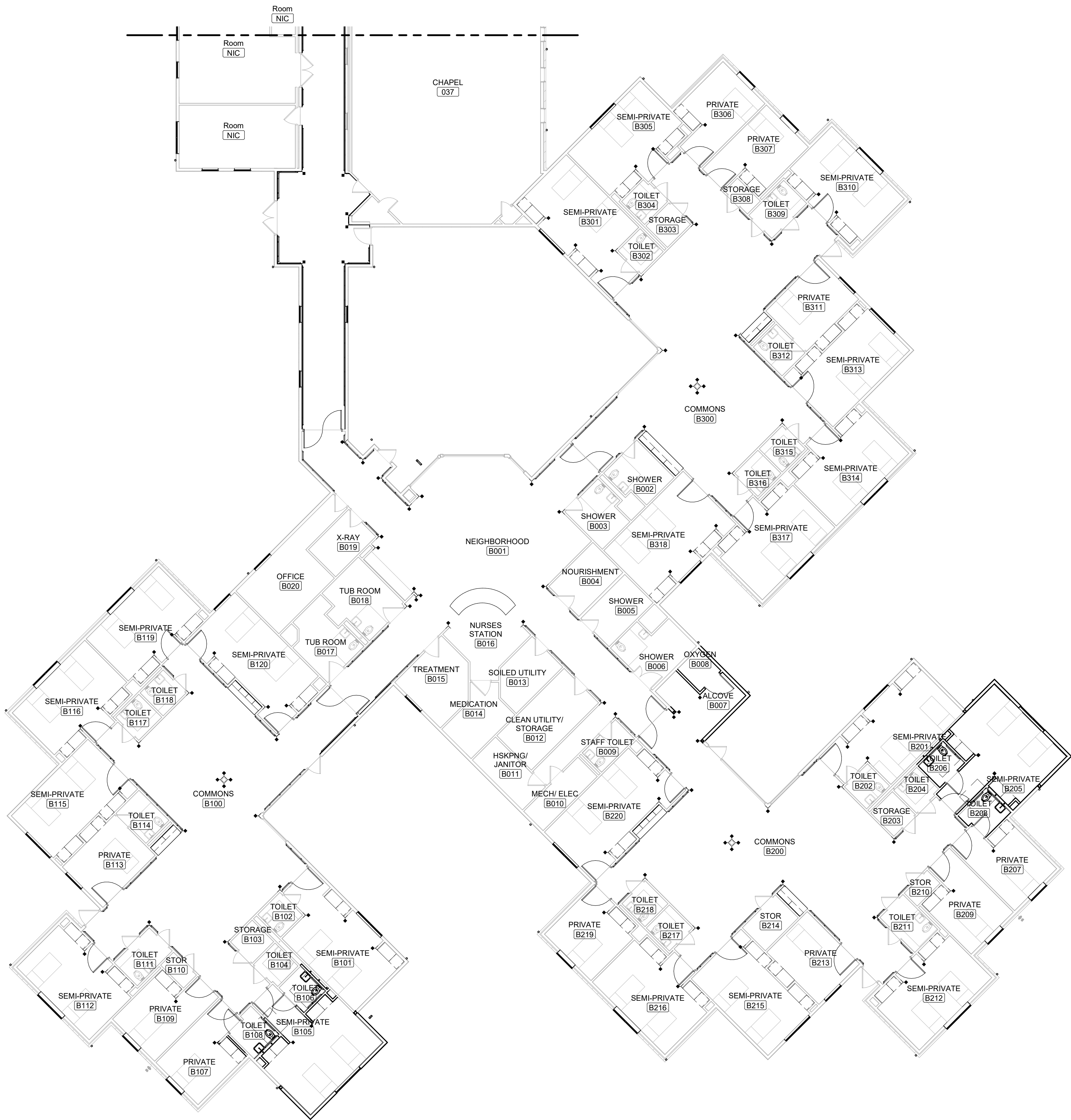
SHEET TITLE:

FURNITURE PLAN -  
WING B

SHEET NUMBER:

I-403

SHEET 113 OF 197  
ISSUE DATE: 08/15/2024



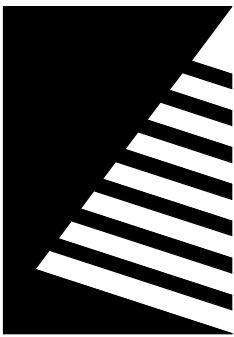
KEY PLAN

SCALE: NO SCALE





FOR  
REFERENCE  
ONLY  
(BY OWNER)



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
ASSET #.: 8136803002  
FAI #.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: Author  
CHECKED BY: Approver  
DESIGNED BY: Designer

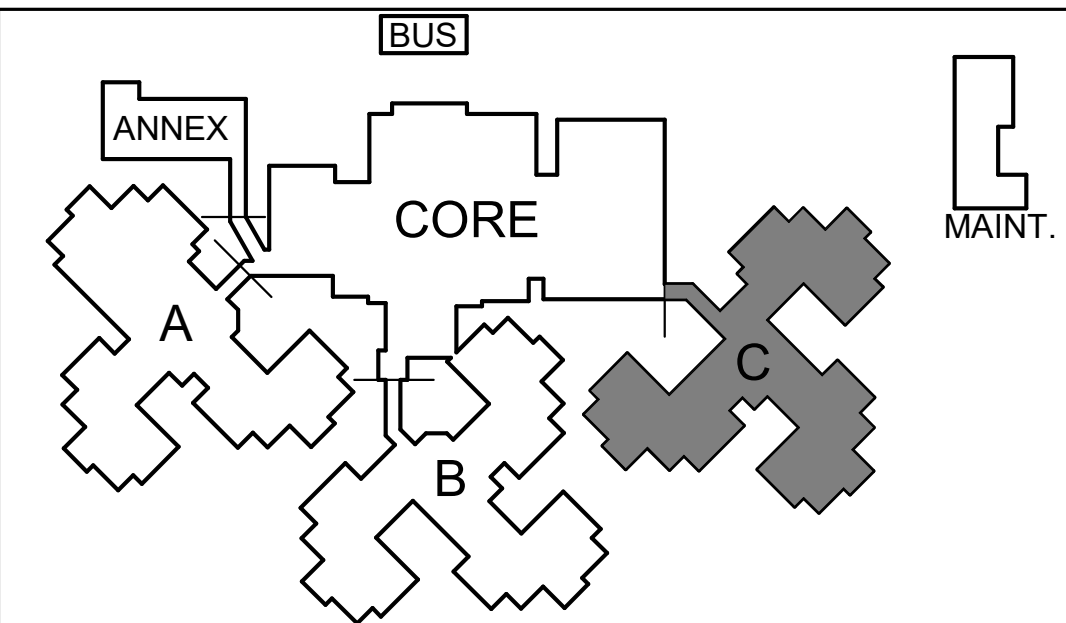
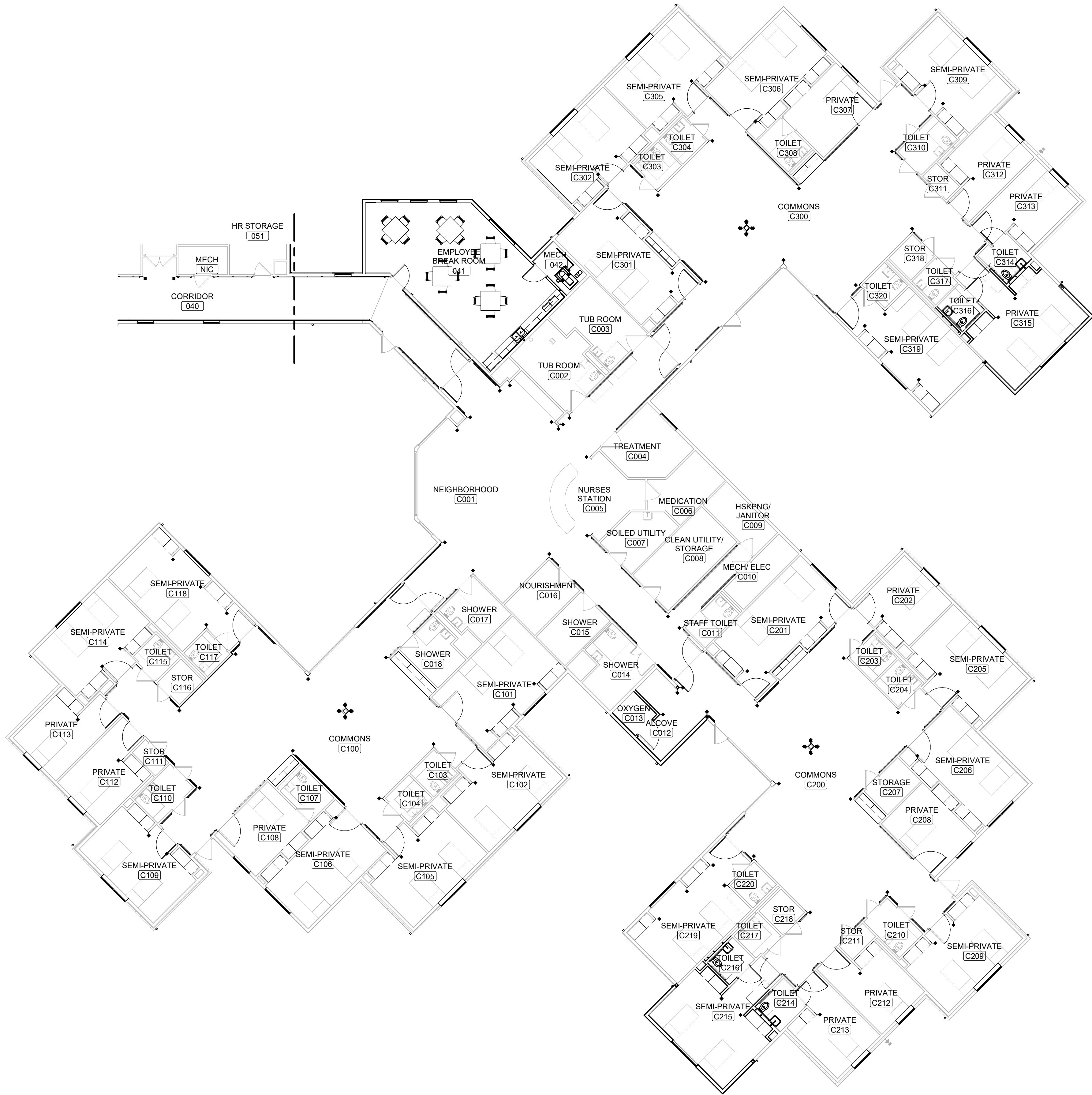
SHEET TITLE:

FURNITURE PLAN -  
WING C

SHEET NUMBER:

I-404

SHEET 114 OF 197  
ISSUE DATE: 08/15/2024



KEY PLAN

SCALE: NO SCALE



FURNITURE PLAN - WING C (FOR REFERENCE ONLY)

Scale: 3/32" = 1'-0"



FIRE PROTECTION SYMBOLS AND ABBREVIATIONS

NOTE: NOT ALL MAY BE USED ON THIS PROJECT

—FL—	FIRE LINE	EC	ELECTRICAL CONTRACTOR
○	UPRIGHT SPRINKLER HEAD	FPC	FIRE PROTECTION CONTRACTOR
◉	SEMI-RECESSED SPRINKLER HEAD	MC	MECHANICAL CONTRACTOR
⊗	CONCEALED SPRINKLER HEAD	PC	PLUMBING CONTRACTOR
●	PENDANT SPRINKLER HEAD	↯	BACKFLOW PREVENTER
◀	SIDEWALL SPRINKLER HEAD	— —	CHECK VALVE
	ORDINARY HAZARD GROUP 1 OCCUPANCY	— X—	GATE VALVE
	ORDINARY HAZARD GROUP 2 OCCUPANCY	— T&D—	TEST AND DRAIN ASSEMBLY
#	KEYNOTE	■TS	TAMPER SWITCH
##	DETAIL MODULE NUMBER	■FS	FLOW SWITCH
#	DETAIL OR SECTION MARK SHOWN ON DRAWING	↗	FIRE DEPARTMENT CONNECTION (FDC)
		↘	POINT OF NEW CONNECTION
		○	POINT OF TERMINATION/CAP

FIRE PROTECTION DEMOLITION GENERAL NOTES

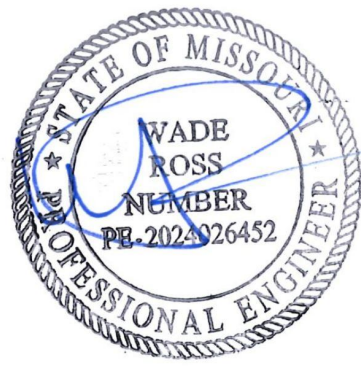
- A. ALL NEW SPRINKLER DISTRIBUTION ASSOCIATED WITH THIS PROJECT WILL ENTAIL MODIFICATIONS TO, OR EXTENSION FROM, EXISTING SYSTEMS. CLOSELY COORDINATE SYSTEM SHUTDOWNS WITH OWNER'S REPRESENTATIVE, AND MINIMIZE DISRUPTIONS OF COVERAGE TO OCCUPIED AREAS.
- B. WORK AREAS ARE IMMEDIATELY ADJACENT TO OCCUPIED AREAS. FPC PERSONNEL SHOULD MAINTAIN APPROPRIATE CONDUCT THROUGHOUT CONSTRUCTION.
- C. COORDINATE MATERIAL TRANSFER PATHWAYS WITH GC AND OWNER'S REPRESENTATIVE. TRANSFER ALL MATERIALS FROM WORK AREA DIRECTLY TO BUILDING EXTERIOR WHEREVER POSSIBLE. USE APPROPRIATE CARTS, COVERS, OR OTHER MEANS TO CONTAIN CONSTRUCTION DEBRIS WHERE TRANSFER THROUGH PORTIONS OF THE FACILITY CANNOT BE AVOIDED.
- D. NOTIFY GC WHEREVER REMOVAL OF FIRE PROTECTION SYSTEMS CREATE VOIDS OR DAMAGE TO FINISHED SURFACES SO THEY CAN PLAN ACCORDINGLY TO REPAIR AND PATCH AS NEEDED.

FIRE PROTECTION GENERAL NOTES

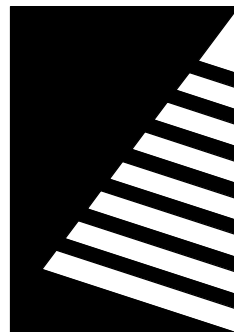
- A. THE FIRE PROTECTION CONTRACTOR SHALL COMPLY WITH NFPA 13 (2010 EDITION) AND THE INTERNATIONAL BUILDING CODE (LATEST ADOPTED EDITION). INSTALLATION SHALL MEET THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- B. THE FIRE PROTECTION CONTRACTOR SHALL USE NFPA 13, "PLANS AND CALCULATIONS," AS A GUIDELINE WHEN PREPARING SUBMITTALS FOR REVIEW. DISREGARD ONLY THOSE ITEMS NOT APPLICABLE TO THE INDIVIDUAL BUILDING SYSTEM. FIRE PROTECTION MATERIALS, EQUIPMENT, AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13 FOR THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEM.
- C. REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL REFLECTED CEILING PLANS DURING SYSTEM HEAD PLACEMENT. LOCATE HEADS IN AREAS WITHOUT CEILINGS AS OUTLINED IN NFPA 13 STANDARDS BASED ON REQUIREMENTS FOR THE APPROPRIATE HAZARD CLASSIFICATION.
- D. THIS PROJECT INVOLVES EXTENSION OF BOTH WET AND DRY PIPE SPRINKLER SYSTEMS BEING SERVED DOWNSTREAM VARIOUS ZONE VALVES. FPC SHALL PROVIDE THOROUGH REVIEW OF EXISTING ZONE DISTRIBUTION WITHIN MECHANICAL ROOM PRIOR TO BID AND WILL BE PROVIDED WITH ALL AVAILABLE EXISTING DISTRIBUTION DRAWINGS AND CALCULATIONS FOR THEIR EVALUATION. MODIFICATIONS TO COVERAGE IN CEILING REPLACEMENT AREAS ARE NOT EXPECTED TO CREATE CONCERNS, AND CALCULATIONS MAY BE OMITTED FROM SUBMITTAL PROCESS IF SAME BRANCH PIPING IS UTILIZED TO SERVE HEADS OR NFPA 13 STANDARDS PIPE SCHEDULES ARE UTILIZED FOR REVISIONS. EXISTING ZONES ASSOCIATED WITH DISTRIBUTION WITHIN ALL ADDITIONS SHOULD BE CONSIDERED ADEQUATE FOR THE PURPOSES OF BIDDING, AND IN EVERY CASE FPC SHOULD PLAN ON EXTENDING FROM NEAREST SUFFICIENT SOURCE MAIN REGARDLESS OF DISTANCE. SUCCESSFUL BIDDER SHALL REQUEST AND UTILIZE UPDATED FLOW TEST DATA AND REPORT ANY CONCERNS TO A/E DURING EVALUATION PROCESS SO CORRECTIVE ACTIONS CAN BE PLANNED EARLY IF REQUIRED.
- E. ATTIC COVERAGE IS REQUIRED AS PART OF THIS PROJECT. REVIEW ARCHITECTURAL ROOF PLAN AND ELEVATIONS FOR ROOF SLOPES AT EACH AREA.
- F. SPRINKLER CONTRACTOR SHALL DESIGN THE SYSTEM AND ROUTE PIPING AS REQUIRED FOR CONFORMANCE WITH ACTUAL BUILDING CONDITIONS AND NFPA REQUIREMENTS. FPC SHOULD REVIEW EXISTING ATTIC CONDITIONS AND DESIGN BASIS ARCHITECTURAL/STRUCTURAL TRUSS SECTION DETAILS PRIOR TO BID.
- G. CONTRACTOR SHALL BE RESPONSIBLE FOR UTILIZING MATERIALS AND SELECTING SUPPORTING BUILDING ELEMENTS TO ADEQUATELY SUPPORT SPRINKLER PIPING PER NFPA 13 STANDARDS.
- H. PROVIDE SPRINKLER HEADS IN CONCEALED LOCATIONS PER NFPA REQUIREMENTS.
- I. FPC SHALL CLEAN WORK AREAS OF DUST AND DEBRIS GENERATED BY THEIR WORK AT THE END OF EACH WORK DAY.
- J. PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC. REQUIRED TO INSTALL AND TEST SPRINKLER SYSTEMS DESCRIBED HEREIN.
- K. INCLUDE IN BID OBTAINING AND RELATED COSTS FOR ALL PERMITS, INSPECTIONS, AND OTHER FEES REQUIRED BY UTILITY COMPANIES AND AUTHORITIES HAVING JURISDICTION.
- L. FIRE PROTECTION CONTRACTOR SHALL SUBMIT ONE COMPLETE SET OF AUTOMATIC SPRINKLER SYSTEM DESIGN DRAWINGS, HYDRAULIC CALCULATIONS UTILIZING CURRENT WATER FLOW TEST, AND THE EQUIPMENT DATA BROCHURES. SPRINKLER PLANS AND CALCULATIONS SHALL BE PREPARED BY OR UNDER THE SUPERVISION OF A NICET LEVEL III OR IV CERTIFIED INDIVIDUAL, OR BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MISSOURI. SUBMITTAL SHALL BE SENT TO ALL AUTHORITIES HAVING JURISDICTION FOR REVIEW AND APPROVAL.
- M. PROVIDE FIRE STOP/SEALANT AT ALL PIPE PENETRATIONS THROUGHOUT FIRE RATED WALLS. REVIEW ARCHITECTURAL LIFE SAFETY PLANS PRIOR TO BIDDING, AND INDICATE FIRE-RATED PENETRATION LOCATIONS ON SPRINKLER SUBMITTAL PLANS.
- N. ALL DROPS TO WET-PIPE SYSTEM SPRINKLER HEADS SHALL TEE / ELBOW OFF TOP OF BRANCH PIPE, EXCEPT WHERE STRUCTURAL, ARCHITECTURAL, OR MECHANICAL EQUIPMENT CONDITIONS PRECLUDE CONVENTIONAL INSTALLATION.
- O. SPRINKLER HEADS SHALL BE IN A SYMMETRICAL PATTERN, NOT NECESSARILY IN THE CENTER OF ROOMS, CORRIDORS, OR CEILING TILE.
- P. THE FIRE PROTECTION CONTRACTOR SHALL LOCATE THE INSPECTOR'S TEST CONNECTION AND MAIN DRAIN LOCATIONS IN ACCORDANCE WITH NFPA 13.
- Q. DRY PENDENT HEADS ARE TO BE UTILIZED FOR SCISSOR TRUSS AREAS WITHIN ADDITIONS AND ARE TO BE INSTALLED WITH DEFLECTOR IN PLANE WITH ASSOCIATED CEILING SURFACE. FPC WILL BE RESPONSIBLE FOR VERIFYING WORKABLE DRY SPRINKLER PIPE LENGTH AND ALL ADDITIONAL FITTINGS REQUIRED AT EACH LOCATION FOR INCORPORATION INTO BID. FPC TO PROVIDE ALL NECESSARY EQUIPMENT AND COMPONENTS OF THE SYSTEM.
- R. PROJECT LOCATION IS SEISMIC CATEGORY D. REFER TO SHEET S-001 FOR SEISMIC DESIGN DATA.

THE FIRE PROTECTION DRAWING IS DESIGNED TO BE IN CONFORMANCE WITH NFPA 13. IT IS A PERFORMANCE BASED DRAWING INDICATING THE EXTENT OF FIRE PROTECTION WORK FOR THE AREA THAT THIS DRAWING REPRESENTS. THIS DRAWING IS "FOR INFORMATION ONLY". AS A REFERENCE FOR THE FIRE PROTECTION CONTRACTOR TO BASE THE DESIGN OF THE FIRE PROTECTION SYSTEM ON, THE CONTRACTOR SHALL VERIFY THE EXACT CONDITIONS THAT THIS DRAWING REPRESENTS, INCLUDING ANY PERCEIVED CONCEALED SPACES, AND THE BUILDING TYPE AND CONSTRUCTION AS OUTLINED IN THE INTERNATIONAL BUILDING CODE, PRIOR TO THE START OF WORK. REFER TO THE INTERNATIONAL BUILDING CODE, ESPECIALLY CHAPTER 6 (TYPES OF CONSTRUCTION) AND CHAPTER 9 (FIRE PROTECTION SYSTEMS), NFPA 13, AND THE PROJECT SPECIFICATIONS FOR OTHER FIRE PROTECTION REQUIREMENTS.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% Bid Set

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

SHEET TITLE:

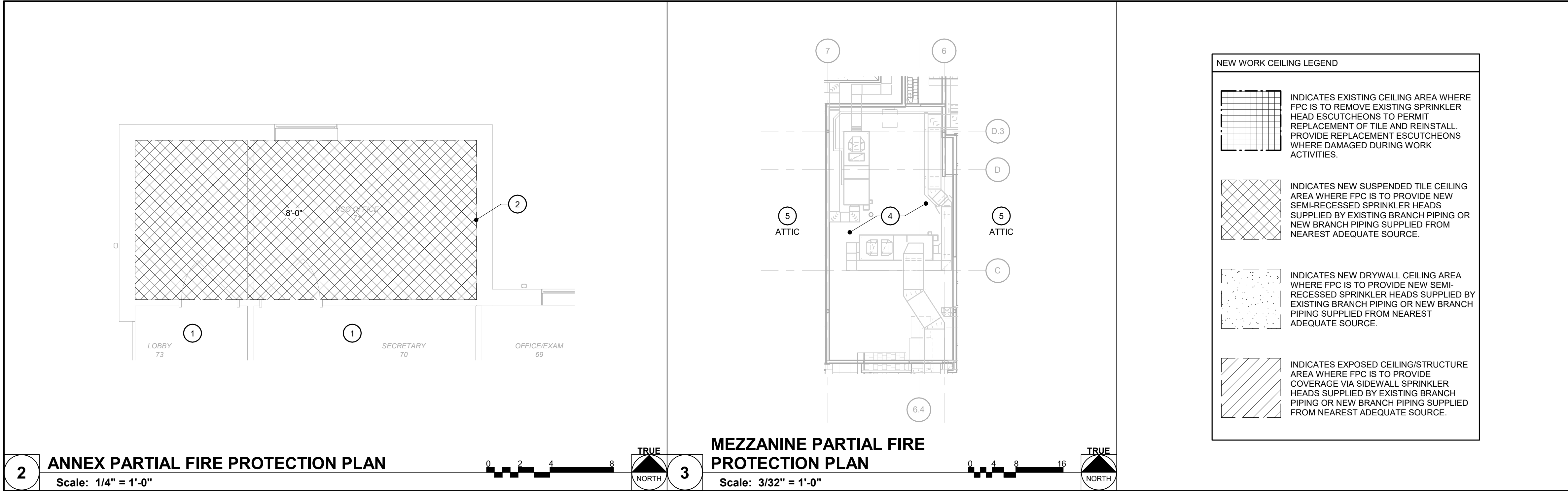
FIRE PROTECTION  
GENERAL  
INFORMATION

SHEET NUMBER:

F-001

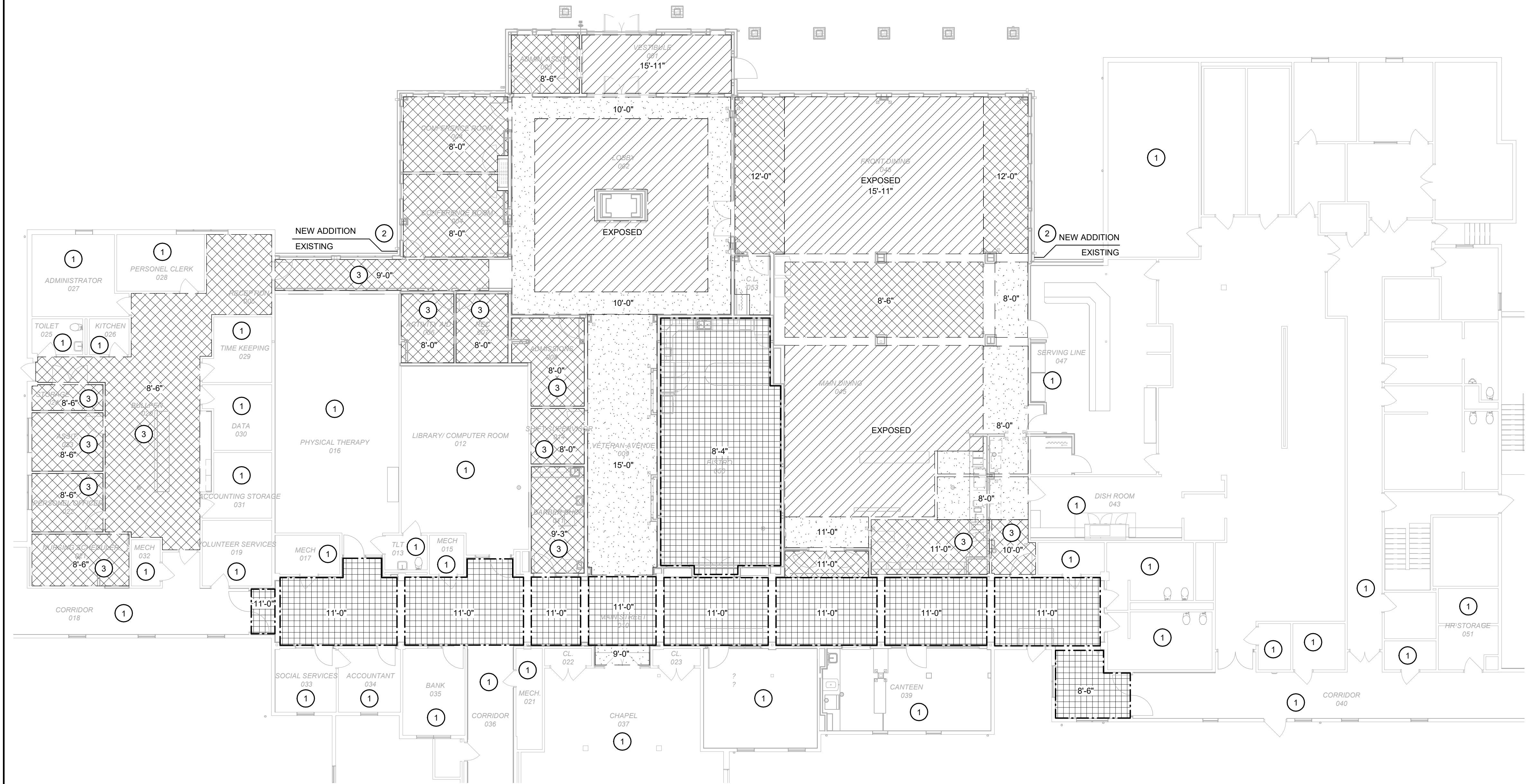
SHEET 115 OF 197  
ISSUE DATE: 08/15/2024





**2 ANNEX PARTIAL FIRE PROTECTION PLAN**  
Scale: 1/4" = 1'-0"

**3 MEZZANINE PARTIAL FIRE PROTECTION PLAN**  
Scale: 3/32" = 1'-0"



**1 CENTRAL CORE PARTIAL FIRE PROTECTION PLAN**  
Scale: 3/32" = 1'-0"

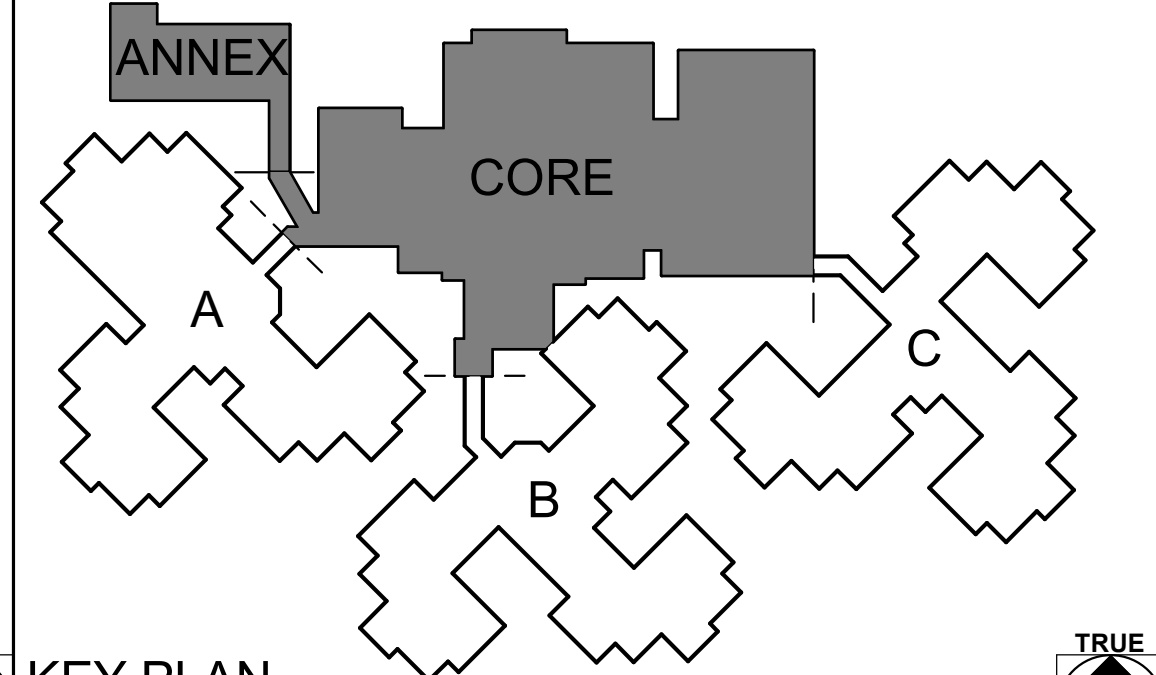
## GENERAL NOTES

- FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- FPC SHOULD REVIEW EXISTING RISER ASSEMBLIES FOR EACH ZONE PRIOR TO BID AND INCORPORATE INTO BID ALL DRAIN DOWN AND TESTING REQUIRED TO ACCOMPLISH WORK. REVIEW ASSOCIATED CONSTRUCTION PHASING WITH GENERAL TRADE PRIOR TO SUBMITTING BID.
- WORK INDICATED IS TO BE PHASED WITH BUILDING OCCUPANTS NEARBY WORK AREAS. FPC SHOULD PLAN DAILY WORK ACTIVITIES TO MINIMIZE DISRUPTIONS TO...
- COORDINATE SPRINKLER HEAD LOCATIONS WITH NEW MECHANICAL AND ELECTRICAL EQUIPMENT.
- CEILING STYLES AND HEIGHTS ON THIS PLAN ARE FOR CONVENIENCE ONLY. REVIEW CEILING PLANS PROVIDED BY ARCHITECT. CEILING STYLES AND HEIGHTS SHALL MATCH ARCHITECTURAL CEILING PLANS.

## KEYNOTES #

- EXISTING CEILING AREA UNCHANGED. NO SPRINKLER WORK THIS AREA.
- FPC TO FIELD REVIEW EXISTING CONDITIONS AND EXTEND NEW FIRE LINE FROM NEAREST ADEQUATE SOURCE TO NEW OCCUPIED SPACE AND ATTIC ABOVE WHERE APPLICABLE. PROVIDE NEW ZONE VALVES, ACCESSORIES, AND PIPING AS REQUIRED BY CODE FOR NEW AREA. REVIEW ARCHITECTURAL REFLECTED CEILING PLANS, ELEVATIONS, AND MECHANICAL/ELECTRICAL PLANS.
- FPC TO UTILIZE EXISTING SPRINKLER BRANCH PIPING AND EXTEND TO NEW SEMI-RECESSED SPRINKLER HEADS IN CEILING AREA.
- FPC TO UTILIZE EXISTING SPRINKLER BRANCH PIPING FROM ADJACENT DRY-PIPE SYSTEM AND EXTEND TO NEW UPRIGHT SPRINKLER HEADS WITHIN NEW MECHANICAL MEZZANINE AREA. REVIEW MECHANICAL PLANS AND PROVIDE HEADS IN QUANTITY REQUIRED TO ADDRESS CONCEALED AREAS OBSTRUCTED BY LARGE DUCTWORK AS DEFINED IN NFPA-13 STANDARDS. PROVIDE NEW ZONE VALVES, ACCESSORIES, AND PIPING AS REQUIRED BY CODE FOR NEW AREA.
- FPC TO UTILIZE EXISTING SPRINKLER BRANCH PIPING FROM ADJACENT DRY-PIPE SYSTEM AND REVISE ATTIC COVERAGE IN ADDITION TO EXTENSIONS TO NEW HEADS WITHIN ATTIC. PROVIDE NEW ZONE VALVES, ACCESSORIES, AND PIPING AS REQUIRED BY CODE FOR NEW AREA.

THE FIRE PROTECTION DRAWING IS DESIGNED TO BE IN CONFORMANCE WITH NFPA 13. IT IS A PERFORMANCE BASED DRAWING INDICATING THE EXTENT OF FIRE PROTECTION WORK FOR THE AREA THAT THIS DRAWING REPRESENTS. THIS DRAWING IS "FOR INFORMATION ONLY", AS A REFERENCE FOR THE FIRE PROTECTION CONTRACTOR TO BASE THE DESIGN OF THE FIRE PROTECTION SYSTEM ON. THE CONTRACTOR SHALL VERIFY THE EXACT CONDITIONS THAT THIS DRAWING REPRESENTS, INCLUDING ANY PERCEIVED CONCEALED SPACES, AND THE BUILDING TYPE AND CONSTRUCTION AS OUTLINED IN THE INTERNATIONAL BUILDING CODE, PRIOR TO THE START OF WORK. REFER TO THE INTERNATIONAL BUILDING CODE, ESPECIALLY CHAPTER 6 (TYPES OF CONSTRUCTION) AND CHAPTER 9 (FIRE PROTECTION SYSTEMS), NFPA 13, AND THE PROJECT SPECIFICATIONS FOR OTHER FIRE PROTECTION REQUIREMENTS.

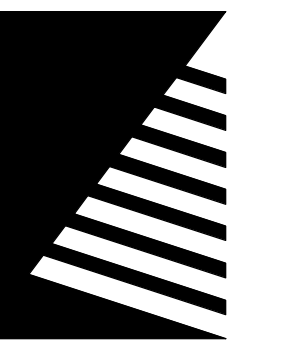


**KEY PLAN**  
SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% Bid Set**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

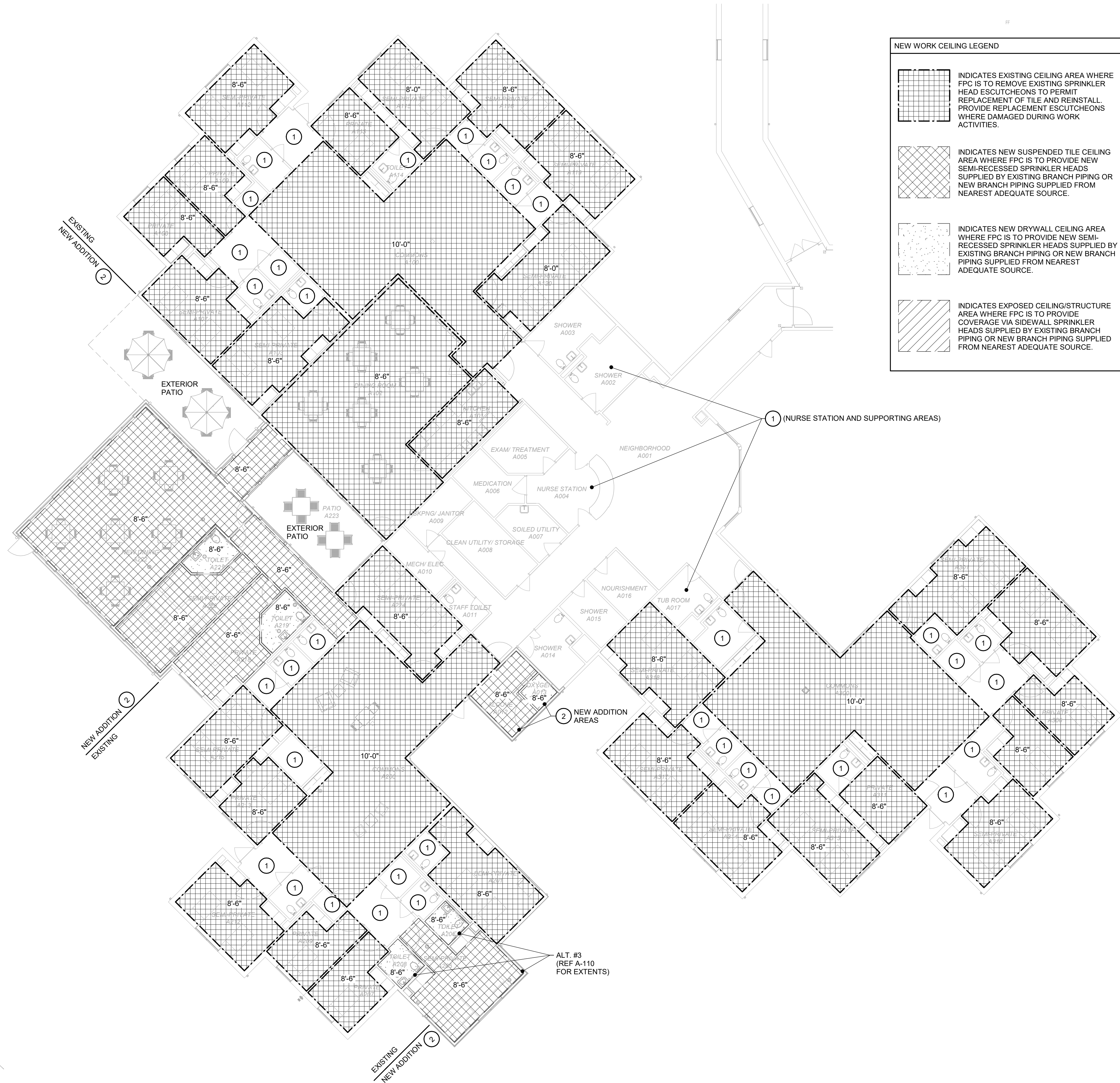
SHEET TITLE:  
**CENTRAL CORE  
PARTIAL FIRE  
PROTECTION PLAN**

SHEET NUMBER:

**F-101**

SHEET 116 OF 197  
ISSUE DATE: 08/15/2024





NEW WORK CEILING LEGEND	
	INDICATES EXISTING CEILING AREA WHERE FPC IS TO REMOVE EXISTING SPRINKLER HEAD ESCUTCHEONS TO PERMIT REPLACEMENT OF TILE AND REINSTALL PROVIDE REPLACEMENT ESCUTCHEONS WHERE DAMAGED DURING WORK ACTIVITIES.
	INDICATES NEW SUSPENDED TILE CEILING AREA WHERE FPC IS TO PROVIDE NEW SEMI-RECESSED SPRINKLER HEADS SUPPLIED BY EXISTING BRANCH PIPING OR NEW BRANCH PIPING SUPPLIED FROM NEAREST ADEQUATE SOURCE.
	INDICATES NEW DRYWALL CEILING AREA WHERE FPC IS TO PROVIDE NEW SEMI-RECESSED SPRINKLER HEADS SUPPLIED BY EXISTING BRANCH PIPING OR NEW BRANCH PIPING SUPPLIED FROM NEAREST ADEQUATE SOURCE.
	INDICATES EXPOSED CEILING/STRUCTURE AREA WHERE FPC IS TO PROVIDE COVERAGE VIA SIDEWALL SPRINKLER HEADS SUPPLIED BY EXISTING BRANCH PIPING OR NEW BRANCH PIPING SUPPLIED FROM NEAREST ADEQUATE SOURCE.

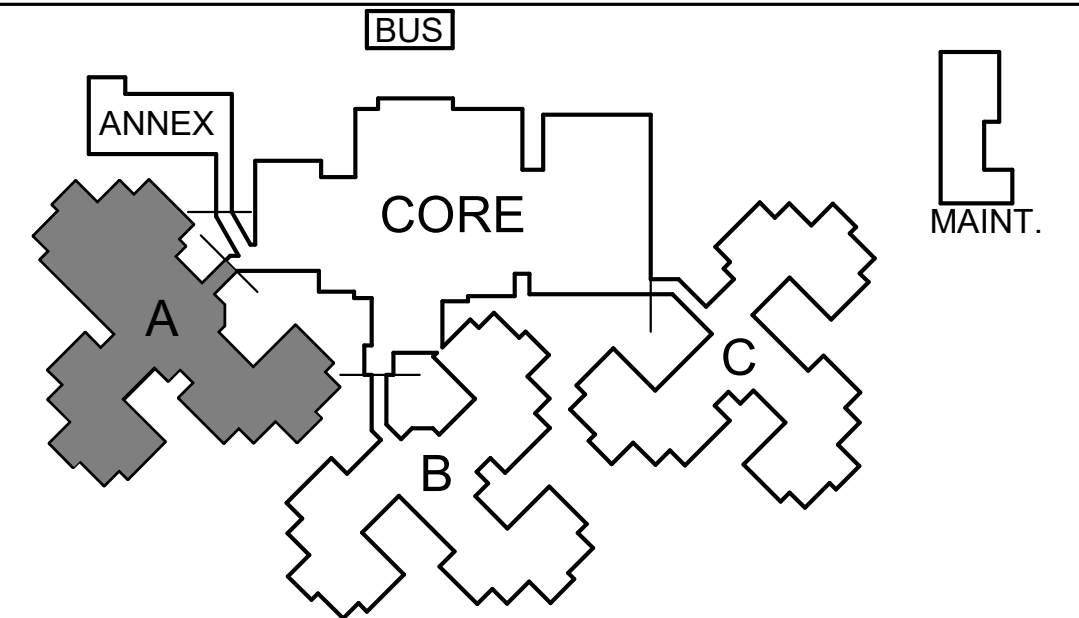
GENERAL NOTES

- A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- B. FPC SHOULD REVIEW EXISTING RISER ASSEMBLIES FOR EACH ZONE PRIOR TO BID AND INCORPORATE INTO BID ALL DRAIN DOWN AND TESTING REQUIRED TO ACCOMPLISH WORK. REVIEW ASSOCIATED CONSTRUCTION PHASING WITH GENERAL TRADE PRIOR TO SUBMITTING BID.
- C. WORK INDICATED IS TO BE PHASED WITH BUILDING OCCUPANTS NEARBY WORK AREAS. FPC SHOULD PLAN DAILY WORK ACTIVITIES TO MINIMIZE DISRUPTIONS T...
- D. COORDINATE SPRINKLER HEAD LOCATIONS WITH NEW MECHANICAL AND ELECTRICAL EQUIPMENT.
- E. CEILING STYLES AND HEIGHTS ON THIS PLAN ARE FOR CONVENIENCE ONLY. REVIEW CEILING PLANS PROVIDED BY ARCHITECT. CEILING STYLES AND HEIGHTS SHALL MATCH ARCHITECTURAL CEILING PLANS.

KEYNOTES #

- 1 EXISTING CEILING AREA UNCHANGED. NO SPRINKLER WORK THIS AREA.
- 2 FPC TO FIELD REVIEW EXISTING CONDITIONS AND EXTEND NEW FIRE LINE FROM NEAREST ADEQUATE SOURCE TO NEW OCCUPIED SPACE AND ATTIC ABOVE WHERE APPLICABLE. REVIEW ARCHITECTURAL REFLECTED CEILING PLANS, ELEVATIONS, AND MECHANICAL/ELECTRICAL PLANS.

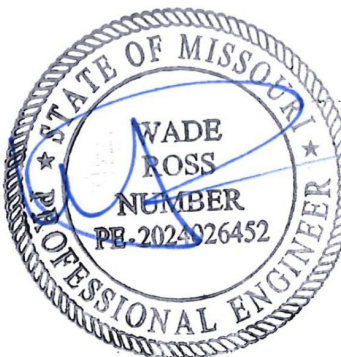
THE FIRE PROTECTION DRAWING IS DESIGNED TO BE IN CONFORMANCE WITH NFPA 13. IT IS A PERFORMANCE BASED DRAWING INDICATING THE EXTENT OF FIRE PROTECTION WORK FOR THE AREA THAT THIS DRAWING REPRESENTS. THIS DRAWING IS "FOR INFORMATION ONLY", AS A REFERENCE FOR THE FIRE PROTECTION CONTRACTOR TO BASE THE DESIGN OF THE FIRE PROTECTION SYSTEM ON. THE CONTRACTOR SHALL VERIFY THE EXACT CONDITIONS THAT THIS DRAWING REPRESENTS, INCLUDING ANY PERCEIVED CONCEALED SPACES, AND THE BUILDING TYPE AND CONSTRUCTION AS OUTLINED IN THE INTERNATIONAL BUILDING CODE, PRIOR TO THE START OF WORK. REFER TO THE INTERNATIONAL BUILDING CODE, ESPECIALLY CHAPTER 6 (TYPES OF CONSTRUCTION) AND CHAPTER 9 (FIRE PROTECTION SYSTEMS), NFPA 13, AND THE PROJECT SPECIFICATIONS FOR OTHER FIRE PROTECTION REQUIREMENTS.



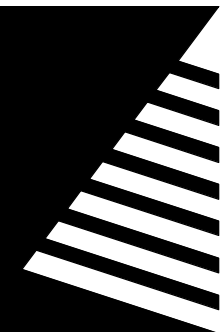
KEY PLAN

SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% Bid Set

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #: 6803  
FACILITY #.: 8136803002  
FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

SHEET TITLE:

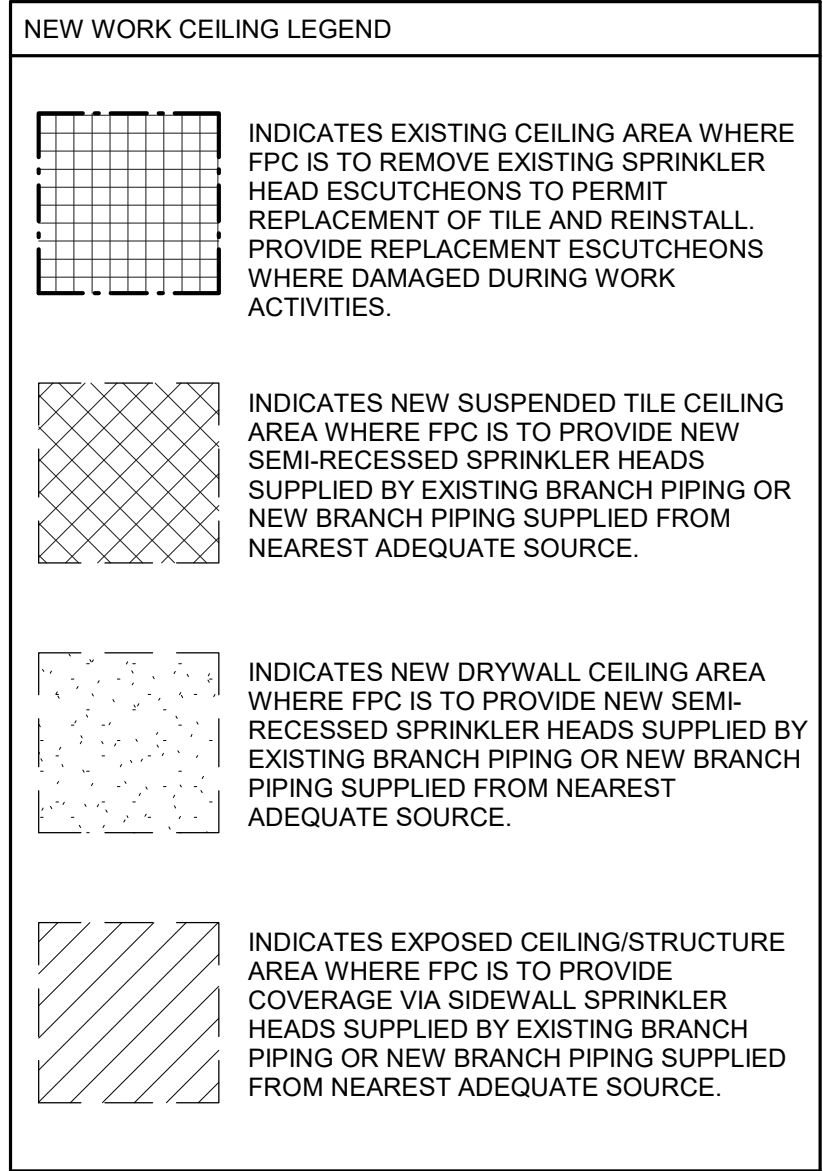
WING A PARTIAL FIRE  
PROTECTION PLAN

SHEET NUMBER:

F-102

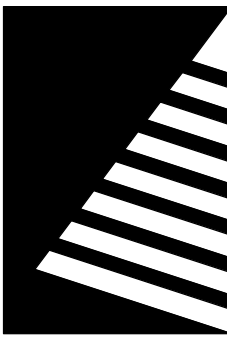
SHEET 117 OF 197  
ISSUE DATE: 08/15/2024





- A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- B. FPC SHOULD REVIEW EXISTING RISER ASSEMBLIES FOR EACH ZONE PRIOR TO BID AND INCORPORATE INTO BID ALL DRAIN DOWN AND TESTING REQUIRED TO ACCOMPLISH WORK. REVIEW ASSOCIATED CONSTRUCTION PHASING WITH GENERAL TRADE PRIOR TO SUBMITTING BID.
- C. WORK INDICATED IS TO BE PHASED WITH BUILDING OCCUPANTS NEARBY WORK AREAS. FPC SHOULD PLAN DAILY WORK ACTIVITIES TO MINIMIZE DISRUPTIONS ...
- D. COORDINATE SPRINKLER HEAD LOCATIONS WITH NEW MECHANICAL AND ELECTRICAL EQUIPMENT.
- E. CEILING STYLES AND HEIGHTS ON THIS PLAN ARE FOR CONVENIENCE ONLY. REVIEW CEILING PLANS PROVIDED BY ARCHITECT. CEILING STYLES AND HEIGHTS SHALL MATCH ARCHITECTURAL CEILING PLANS.

08/15/2024



20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / [info@f-w.com](mailto:info@f-w.com)

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

## 100% Bid Set

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

#	DATE:	DESCRIPTION:
---	-------	--------------

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

SHEET TITLE:

**WING B PARTIAL FIRE  
PROTECTION PLAN**

SHEET NUMBER:

# F-103

SHEET 118 OF 197  
ISSUE DATE: 08/15/2024

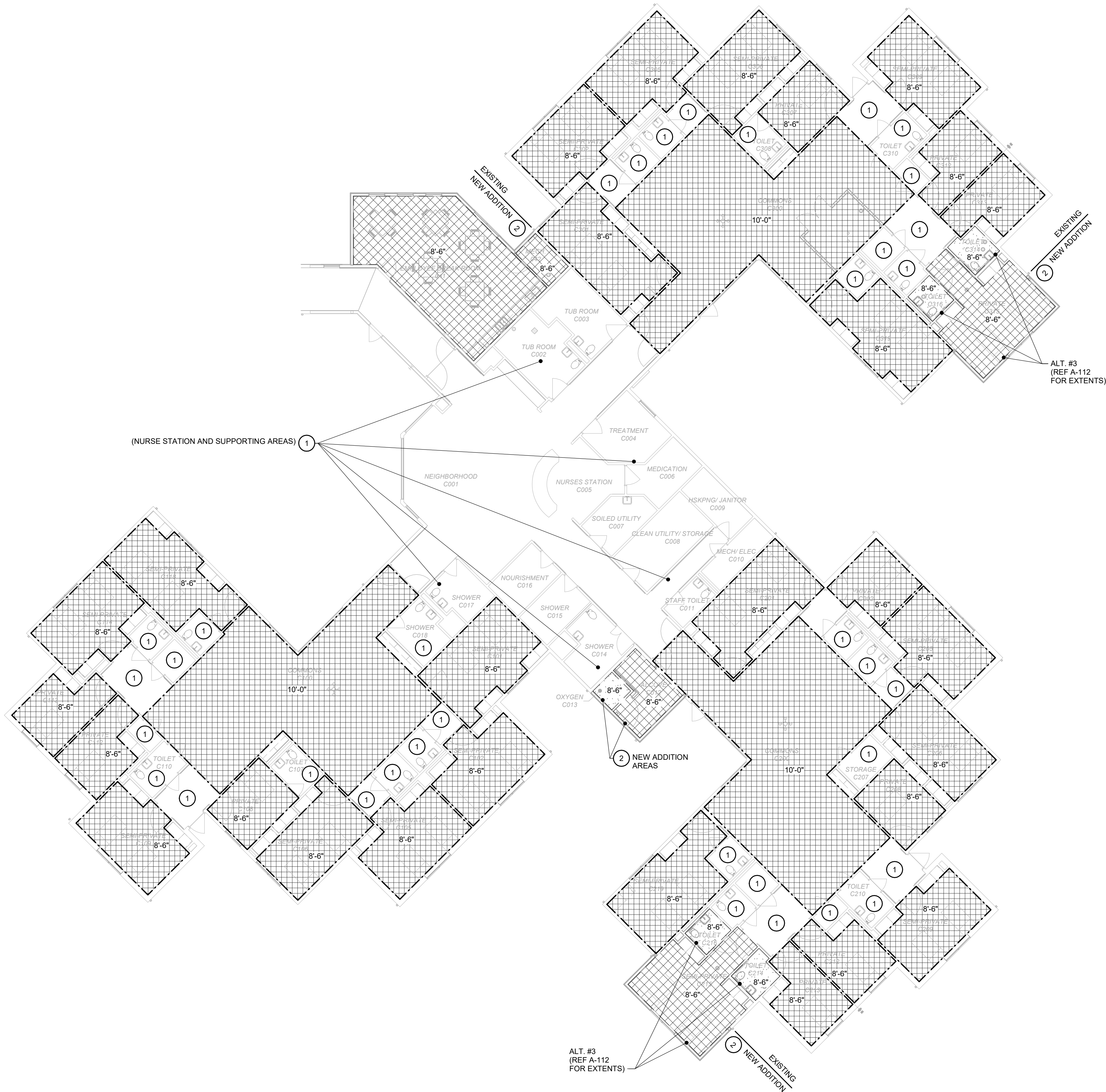


8/14/2024 4:53:24 PM

1

# WING C PARTIAL FIRE PROTECTION PLAN

Scale: 3/32" = 1'-0"



## GENERAL NOTES

- FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- FPC SHOULD REVIEW EXISTING RISER ASSEMBLIES FOR EACH ZONE PRIOR TO BID AND INCORPORATE INTO BID ALL DRAIN DOWN AND TESTING REQUIRED TO ACCOMPLISH WORK. REVIEW ASSOCIATED CONSTRUCTION PHASING WITH GENERAL TRADE PRIOR TO SUBMITTING BID.
- WORK INDICATED IS TO BE PHASED WITH BUILDING OCCUPANTS NEARBY WORK AREAS. FPC SHOULD PLAN DAILY WORK ACTIVITIES TO MINIMIZE DISRUPTIONS T...
- COORDINATE SPRINKLER HEAD LOCATIONS WITH NEW MECHANICAL AND ELECTRICAL EQUIPMENT.
- CEILING STYLES AND HEIGHTS ON THIS PLAN ARE FOR CONVENIENCE ONLY. REVIEW CEILING PLANS PROVIDED BY ARCHITECT. CEILING STYLES AND HEIGHTS SHALL MATCH ARCHITECTURAL CEILING PLANS.

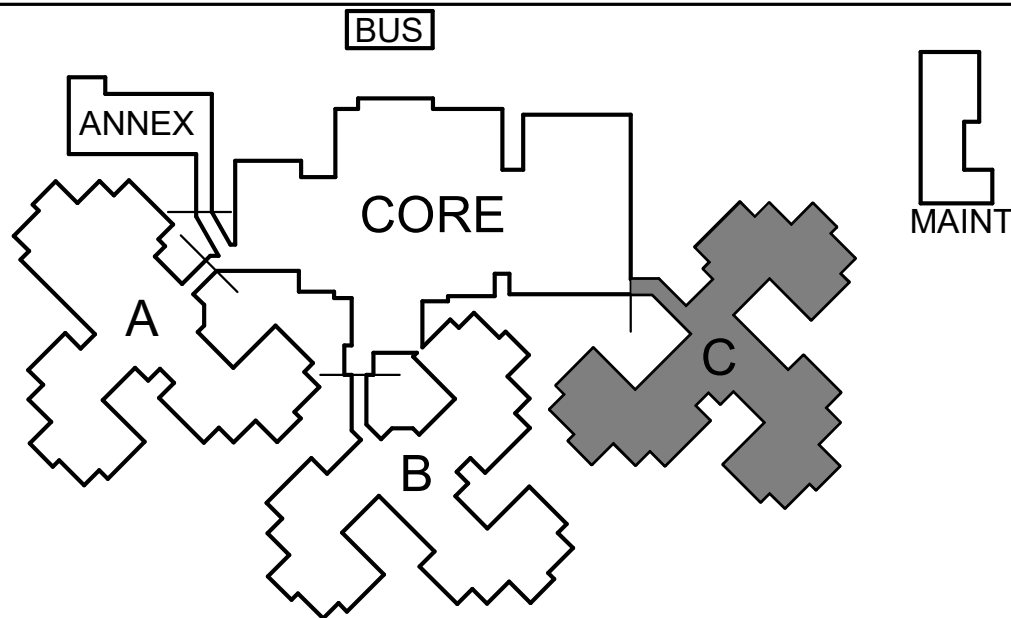
### NEW WORK CEILING LEGEND

- INDICATES EXISTING CEILING AREA WHERE FPC IS TO REMOVE EXISTING SPRINKLER HEAD ESCUTCHEONS TO PERMIT REPLACEMENT OF TILE AND REINSTALL. PROVIDE REPLACEMENT ESCUTCHEONS WHERE DAMAGED DURING WORK ACTIVITIES.
- INDICATES NEW SUSPENDED TILE CEILING AREA WHERE FPC IS TO PROVIDE NEW SEMI-RECESSED SPRINKLER HEADS SUPPLIED BY EXISTING BRANCH PIPING OR NEW BRANCH PIPING SUPPLIED FROM NEAREST ADEQUATE SOURCE.
- INDICATES NEW DRYWALL CEILING AREA WHERE FPC IS TO PROVIDE NEW SEMI-RECESSED SPRINKLER HEADS SUPPLIED BY EXISTING BRANCH PIPING OR NEW BRANCH PIPING SUPPLIED FROM NEAREST ADEQUATE SOURCE.
- INDICATES EXPOSED CEILING/STRUCTURE AREA WHERE FPC IS TO PROVIDE COVERAGE VIA SIDEWALL SPRINKLER HEADS SUPPLIED BY EXISTING BRANCH PIPING OR NEW BRANCH PIPING SUPPLIED FROM NEAREST ADEQUATE SOURCE.

## KEYNOTES #

- EXISTING CEILING AREA UNCHANGED. NO SPRINKLER WORK THIS AREA.
- FPC TO FIELD REVIEW EXISTING CONDITIONS AND EXTEND NEW FIRE LINE FROM NEAREST ADEQUATE SOURCE TO NEW OCCUPIED SPACE AND ATTIC ABOVE WHERE APPLICABLE. REVIEW ARCHITECTURAL REFLECTED CEILING PLANS, ELEVATIONS, AND MECHANICAL/ELECTRICAL PLANS.

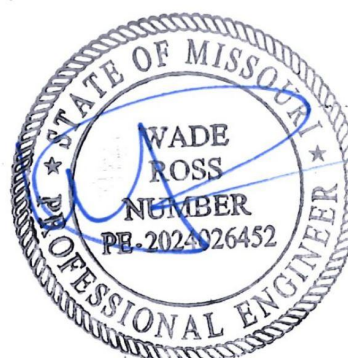
THE FIRE PROTECTION DRAWING IS DESIGNED TO BE IN CONFORMANCE WITH NFPA 13. IT IS A PERFORMANCE BASED DRAWING INDICATING THE EXTENT OF FIRE PROTECTION WORK FOR THE AREA THAT THIS DRAWING REPRESENTS. THIS DRAWING IS "FOR INFORMATION ONLY". AS A REFERENCE FOR THE FIRE PROTECTION CONTRACTOR TO BASE THE DESIGN OF THE FIRE PROTECTION SYSTEM ON. THE CONTRACTOR SHALL VERIFY THE EXACT CONDITIONS THAT THIS DRAWING REPRESENTS, INCLUDING ANY PERCEIVED CONCEALED SPACES, AND THE BUILDING TYPE AND CONSTRUCTION AS OUTLINED IN THE INTERNATIONAL BUILDING CODE. PRIOR TO THE START OF WORK, REFER TO THE INTERNATIONAL BUILDING CODE, ESPECIALLY CHAPTER 8 (TYPES OF CONSTRUCTION) AND CHAPTER 9 (FIRE PROTECTION SYSTEMS), NFPA 13, AND THE PROJECT SPECIFICATIONS FOR OTHER FIRE PROTECTION REQUIREMENTS.



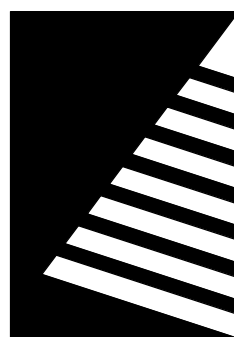
## KEY PLAN

SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% Bid Set

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

SHEET TITLE:  
**WING C PARTIAL FIRE  
PROTECTION PLAN**

SHEET NUMBER:

**F-104**

SHEET 119 OF 197  
ISSUE DATE: 08/15/2024





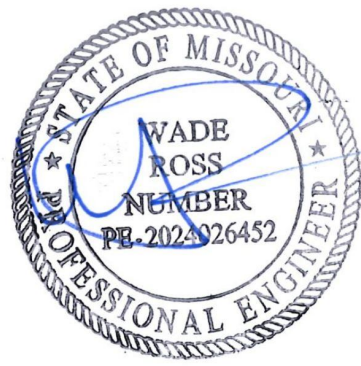
**GENERAL NOTES**

A. FPC TO PROVIDE ATTIC COVERAGE THROUGHOUT NEW AND REMODELED ATTIC SPACES UTILIZING EXISTING DRY-PIPE SYSTEMS.

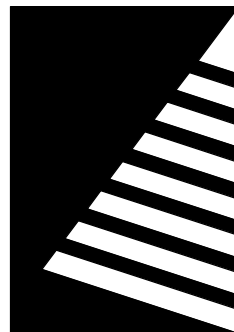
B. UNLESS NOTED OTHERWISE, ALL EXISTING AND NEW ROOF PITCHES EXCEED 4" IN 12" SLOPE. INCORPORATE ADDITIONAL REMOTE DESIGN AREA PERCENTAGE FOR ATTIC COVERAGE AS OUTLINED IN NFPA-13 STANDARDS WHEN PERFORMING CALCULATIONS.

- KEYNOTES** #
- 1 FPC TO EXTEND FROM NEAREST ADEQUATE SOURCE ON EXISTING DRY-PIPE SPRINKLER SYSTEM WITHIN ATTIC AND PROVIDE ADDITIONAL COVERAGE UNDER NEW ROOF AREA. PROVIDE NEW ZONE VALVES, ACCESSORIES, AND PIPING AS REQUIRED BY CODE FOR NEW AREA.
  - 2 FPC TO DEMOLISH EXISTING ATTIC SPRINKLER DISTRIBUTION TO EXTENT REQUIRED TO ACCOMMODATE FRAMING MODIFICATIONS FOR NEW ROOF TIE IN THIS AREA. EXTEND FROM EXISTING DRY-PIPE SPRINKLER SYSTEM AND PROVIDE COVERAGE WITHIN NEW ATTIC AREAS ABOVE EXISTING CONSTRUCTION. EXCEPTION: SEE FLOOR PLANS FOR EXPOSED STRUCTURE AREAS WHERE ATTICS DO NOT EXIST.
  - 3 FPC TO MODIFY EXISTING DRY-PIPE SPRINKLER DISTRIBUTION AS REQUIRED TO PERMIT REMOVAL OF DORMER AND FILL IN OF ROOF DECK TO MATCH EXISTING.
  - 4 FPC TO EXTEND FROM NEAREST ADEQUATE DRY-PIPE SPRINKLER SYSTEM SOURCE TO NEW CANOPY ATTIC AND PROVIDE DISTRIBUTION THROUGHOUT. PROVIDE NEW ZONE VALVES, ACCESSORIES, AND PIPING AS REQUIRED BY CODE FOR NEW AREA.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% Bid Set**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

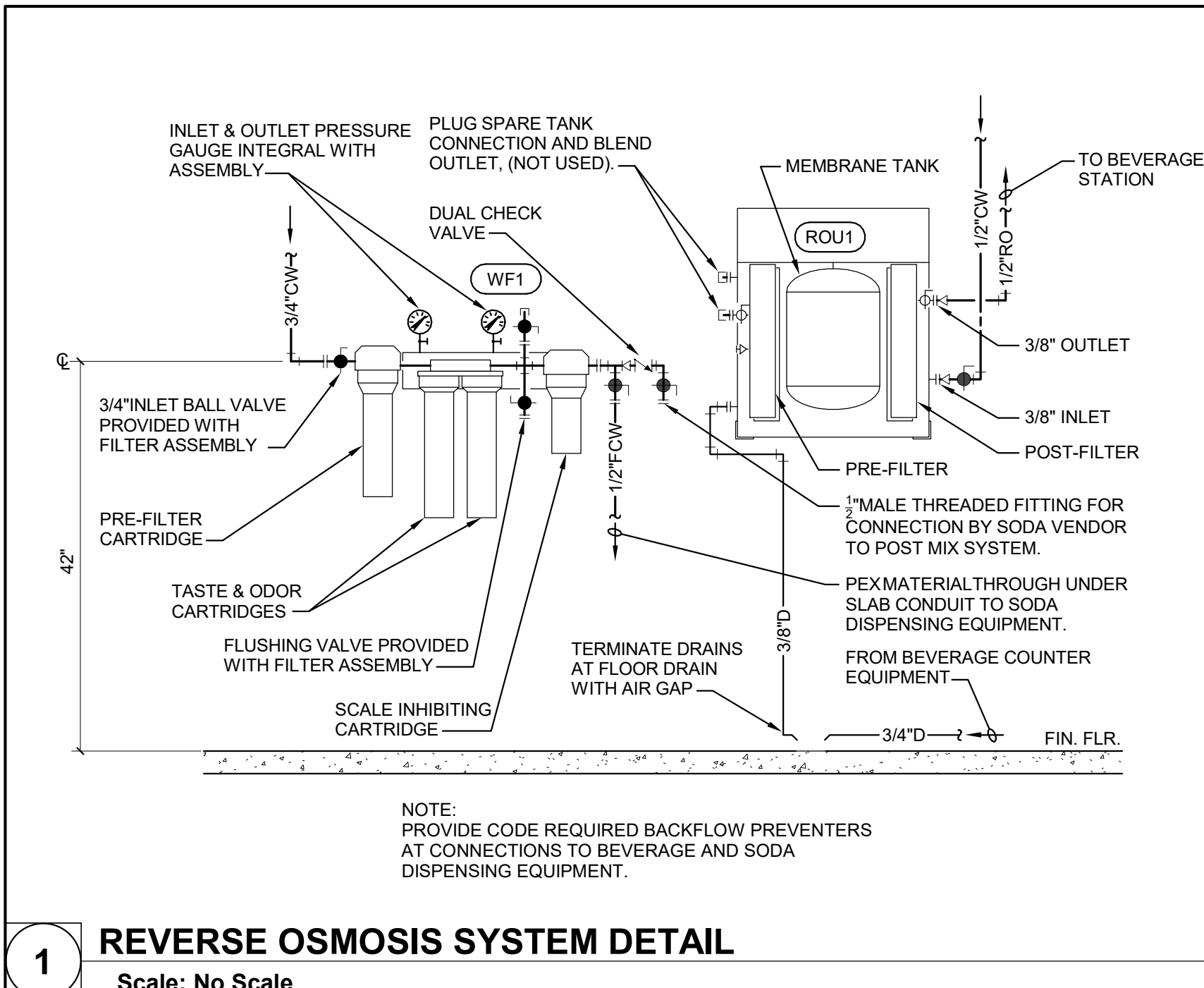
SHEET TITLE:  
**FIRE PROTECTION  
ROOF PLAN**

SHEET NUMBER:

**F-105**

SHEET 120 OF 197  
ISSUE DATE: 08/15/2024





PLUMBING SYMBOLS & ABBREVIATIONS

NOTE: NOT ALL MAY BE USED ON THIS PROJECT

ANNOTATION ABBREVIATIONS

AC	ABOVE CEILING
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
BAS	BUILDING AUTOMATION SYSTEM
BF	BELOW FLOOR
BG	BELOW GRADE
BH	BOOSTER HEATER
BFP	BACKFLOW PREVENTION DEVICE
BJ	BETWEEN JOISTS
BOP	BOTTOM OF PIPE
BTUH	BRITISH THERMAL UNITS PER HOUR
CF	COMBINATION FIXTURE
COND	CONDENSATE
CP	CONDENSATE PUMP
CSS	CLINICAL SERVICE SINK
CV	CONTROL VALVE
DF	DRINKING FOUNTAIN
DN	DOWN
DS	DOWNSPOUT NOZZLE
DW	DISHWASHER
EC	ELECTRICAL CONTRACTOR
EEW	EMERGENCY EYE WASH
EEWSH	COMB. EMERGENCY EYE WASH/SHOWER
ET	EXPANSION TANK
ETC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FA	FROM ABOVE
FB	FROM BELOW
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FPC	FIRE PROTECTION SUBCONTRACTOR
FS	FLOOR SINK
FT	FILL TANK
GD	GARBAGE DISPOSAL
GPM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
GC	GENERAL CONTRACTOR
HAP	HIGH AS POSSIBLE
HB	HOSE BIBB (INTERIOR)
HS	HOSE STATION
HWCP	HOT WATER RECIRCULATION PUMP
IM	ICE MAKER
L	LAVATORY
LT	LAUNDRY TUB
MBH	THOUSANDS OF BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MSB	MOP SINK BASIN
NTS	NOT TO SCALE
ORD	OVERFLOW ROOF DRAIN
P	PUMP
PC	PLUMBING CONTRACTOR
PRV	PRESSURE RELIEF VALVE
RD	ROOF DRAIN
SC	SILLCOCK (EXTERIOR)
SE	SEWAGE EJECTOR
SF	SQUARE FOOT
SH	SHOWER
SK	SINK
SP	SUMP PUMP
SS	SERVICE SINK
TFA	TO FLOOR ABOVE
TB	TO BELOW
TFB	TO FLOOR BELOW
TMV	THERMOSTATIC MIXING VALVE
TOP	TOP OF PIPE
TYP	TYPICAL
UR	URINAL
VB	VACUUM BREAKER
VTR	VENT THRU ROOF
WB	WASHER BOX
WC	WATER CLOSET
WCO	WALL CLEANOUT
WF	WATER FILTER
WS	WATER SOFTENER
YCO	YARD CLEANOUT

ANNOTATION SYMOLOGY

#	PLUMBING KEYNOTE
K22	KITCHEN EQUIPMENT DESIGNATION
NEW	BOLD TEXT INDICATES NEW ITEM
(E)EXISTING	ITALIC TEXT INDICATES EXISTING ITEM

PLUMBING SYMOLOGY

	PIPING SYSTEM
AW	ACID WASTE
CA	COMPRESSED AIR
CD	CONDENSATE DRAIN
CO2	CARBON DIOXIDE
G	NATURAL GAS
GW	GREASE WASTE
MA	MEDICAL AIR
N2	NITROGEN
N2O	NITROUS OXIDE
OST	OVERFLOW STORM
OW	OIL WASTE
O2	OXYGEN
PD	PUMP DISCHARGE
ST	STORM
VAC	VACUUM
WAGD	WASTE ANESTHETIC GAS DISPOSAL
W	SANITARY WASTE
AV	ACID VENT
OV	OIL VENT
V	SANITARY VENT
CW	DOMESTIC COLD WATER
DI	DE-IONIZED WATER
FCW	FILTERED COLD WATER
NPCW	NONPOTABLE COLD WATER
RO	REVERSE OSMOSIS WATER
HW	DOMESTIC HOT WATER
HW 140	DOMESTIC HOT WATER (OTHER TEMP)
HWC	DOMESTIC HW RECIRCULATION
	PIPE SLOPE ARROW
	FLOW ARROW
	CONCENTRIC REDUCER
	ECENTRIC REDUCER
	3-WAY CONTROL VALVE
	ANGLE GATE VALVE
	ANGLE GLOBE VALVE
	BALANCING/SHUTOFF VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CALIBRATED BALANCING VALVE
	CHECK VALVE
	CONTROL VALVE
	EXPANSION VALVE
	GAS COCK
	GATE VALVE
	GLOBE VALVE
	PLUG VALVE
	PRESSURE REDUCING VALVE (WATER)
	PRESSURE REGULATOR (GAS)
	QUICK OPEN VALVE
	SAFETY RELIEF VALVE
	SOLENOID VALVE
	VACUUM RELIEF VALVE
	BACKFLOW PREVENTER
	HOSE BIBB / SILLCOCK
	AUTOMATIC AIR VENT
	PRESSURE GAUGE
	THERMOMETER
	FLOW SWITCH
	PRESSURE SWITCH
	TEMPERATURE SWITCH
	PIPE UNION
	WYE STRAINER
	WYE STRAINER W/DRAIN VALVE
	PUMP
	FLOOR DRAIN - ROUND OR SQUARE
	FLOOR CLEANOUT - ROUND OR SQUARE
	SUSPENDED CLEANOUT
	WALL CLEANOUT
	PIPE CAP
	PIPE TURNING DOWN
	PIPE TURNING UP
	TEE UP
	TEE DOWN
	DROP AND RUN
	DROP AND TURN
	TEE OFF TOP
	TEE OFF BOTTOM
	CROSS AND RISER
	PLAN 90° ELBOW
	PIPE TEE
	FLEXIBLE PIPE CONNECTOR
	PIPE ANCHOR
	PIPE GUIDES
	WATER METER
	DETAIL MODULE NUMBER
	DETAIL OR SECTION MARK SHOWN ON DRAWING
	POINT OF NEW CONNECTION
	POINT OF TERMINATION/CAP
	PLUMBING EQUIPMENT DESIGNATION

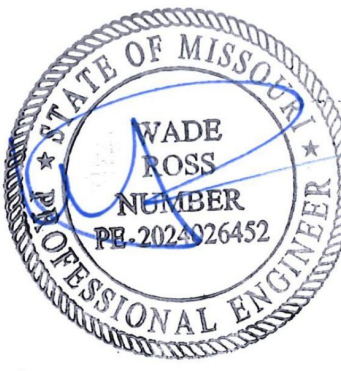
PLUMBING DEMOLITION GENERAL NOTES

- A. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL PLUMBING FIXTURES, PIPING, AND EQUIPMENT WHERE INDICATED ON PLANS. EXCEPTION: COUNTER MOUNTED FIXTURES CAN BE DISCONNECTED FOR REMOVAL WITH COUNTER BY GC.
- B. THIS PROJECT IS BEING PHASED TO MAINTAIN VETERANS HOME OPERATIONS. COORDINATE DEMOLITION ACTIVITIES IN CONJUNCTION WITH OTHER WORK, AND PLAN WORK ACCORDINGLY TO MINIMIZE DISRUPTION OF PLUMBING SYSTEMS SERVING OCCUPIED AREAS. PC SHOULD INSTALL PARTIAL NEW SYSTEMS, FIXTURES, OR EQUIPMENT PRIOR TO DEMOLITION OF NEXT PHASE IF REQUIRED TO MINIMIZE DISRUPTIONS.
- C. PLUMBING CONTRACTOR SHALL CAP ALL SANITARY WASTE AND VENT PIPING AT POINT OF REMOVAL AND CAP DOMESTIC WATER PIPING WITHIN 2 FEET OF ACTIVE MAIN. REMOVE AND/OR ROTATE SANITARY TEE AND RE-ESTABLISH WASTE RISER WHERE FIXTURES ARE REMOVED AND WALL IS TO BE PATCHED FLUSH WITH EXISTING.
- D. PLUMBING CONTRACTOR SHALL DEMARCATÉ CONCRETE FLOOR AREAS FOR SAW CUT AND REMOVAL BY GC. GC WILL BE RESPONSIBLE FOR PATCHING FLOOR AREAS FLUSH WITH EXISTING FLOOR ONCE PLUMBING WORK HAS BEEN COMPLETED.
- E. COORDINATE PARTIAL WALL AND FLOOR REMOVAL WITH GC AS NECESSARY TO EXPOSE PREVIOUSLY ROUGHED-IN PLUMBING SYSTEMS. ASSURE WORKER ACCESS AND ACTIVITIES ARE CLOSELY COORDINATED WITH OWNER'S REPRESENTATIVE AND CONCURRENT HOSPITAL ACTIVITIES.

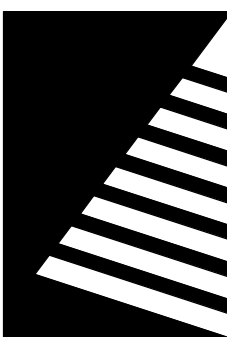
PLUMBING GENERAL NOTES

- A. WORK SHALL BE PERFORMED BY A LICENSED PLUMBER OF THE STATE OF MISSOURI.
- B. MATERIALS, INSTALLATION, AND TESTING SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF STATE AND LOCAL CODE PROCEDURES, METHODS, AND REQUIREMENTS, INCLUDING THE MOST STRINGENT OF HEALTH AND SAFETY STANDARDS AS REQUIRED AND AS INTERPRETED BY THE AUTHORITY HAVING JURISDICTION. APPLICABLE CODES AND STANDARDS INCLUDE, BUT NOT LIMITED TO THE FOLLOWING: "INTERNATIONAL PLUMBING, BUILDING, ENERGY, MECHANICAL, AND FUEL GAS CODES" NFPA 99, STANDARD FOR HEALTHCARE FACILITIES
- C. **MEANING AND INTENT OF DRAWINGS:** DRAWINGS ARE DIAGRAMMATIC. PIPING IS SHOWN IN SCHEMATIC FORM. SCALES INDICATED ARE FOR ARCHITECTURAL REFERENCE ONLY. IT IS NOT INTENDED THAT THE DRAWINGS SHOW EVERY WASTE, VENT, WATER PIPE, FITTINGS, SUPPORTS, ETC., AND IT IS UNDERSTOOD THAT THE DRAWINGS MUST BE FOLLOWED AS CLOSELY AS CIRCUMSTANCES WILL PERMIT. THE PROPER INSTALLATION ACCORDING TO THE TRUE INTENT AND MEANING OF THE DRAWINGS, LOCAL CODES, AND STANDARD PRACTICES SHALL BE PROVIDED. PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION. REPORT ANY PROBLEMS OR CONFLICTS TO THE ARCHITECT/ENGINEER. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS. ANY MINOR CHANGES IN LOCATION OF EQUIPMENT, WASTE VENT, WATER PIPE, ETC., FROM THOSE LOCATIONS SHOWN ON THE DRAWINGS, SHALL BE MADE WITHOUT EXTRA COST, IF SO DIRECTED BY THE ARCHITECT/ENGINEER BEFORE THE INSTALLATION IS MADE. A MINOR CHANGE IN LOCATION IS CONSIDERED TO BE WITHIN 5'-0" OF THE ORIGINAL INDICATED LOCATION. THE EQUIPMENT INDICATED ON THESE DRAWINGS INCLUDE ONLY THE MAJOR EQUIPMENT REQUIREMENTS. NOT WITHSTANDING, THE DETAILS PRESENTED IN THESE DRAWINGS VERIFY THE COMPLETENESS OF THE MATERIALS LISTS AND SUITABILITY OF DEVICES TO MEET THE INTENT OF THIS PROJECT. ANY ADDITIONAL EQUIPMENT OR MATERIAL REQUIRED, EVEN IF NOT SPECIFICALLY MENTIONED HEREIN, SHALL BE PROVIDED WITHOUT CLAIM FOR ADDITIONAL PAYMENT; IT BEING UNDERSTOOD THAT A COMPLETE AND OPERATIONAL PLUMBING SYSTEM, SATISFACTORY TO THE ARCHITECT/ENGINEER AND THE OWNER SHALL BE PROVIDED. USE ONLY THE MANUFACTURER'S TESTED ASSEMBLIES.
- D. ALL MEDICAL GAS SYSTEM MODIFICATIONS SHALL BE PERFORMED BY A MISSOURI LICENSED PLUMBER CERTIFIED IN BRAZING PROCEDURES AS OUTLINED IN NFPA-99 STANDARDS.
- E. COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES AND STRUCTURAL CONDITIONS TO AVOID ANY CONFLICTS.
- F. MAINTAIN A MINIMUM CLEARANCE OF 3'-0" IN FRONT OF ELECTRICAL PANELS AND 1'-0" EITHER SIDE WHEN INSTALLING PLUMBING SYSTEMS IN THE SAME AREA. PIPE SYSTEMS, EQUIPMENT, ETC., SHALL NOT BE ROUTED DIRECTLY OVER PANELS OR SWITCH GEAR, AND WHERE ABOVE MAY BE AS CLOSE AS 12 INCHES FROM PERIMETER. REFER TO ADOPTED ELECTRICAL CODES WHERE IN DOUBT.
- G. INCLUDE IN BID ALL LICENSE, PERMIT, INSPECTION, AND OTHER FEES REQUIRED BY UTILITY COMPANIES OR AUTHORITIES HAVING JURISDICTION REQUIRED FOR COMPLETION OF WORK SO THAT NO UNEXPECTED ADDITIONAL EXPENSES ARE INTRODUCED TO OWNER.
- H. PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC. REQUIRED TO ASSURE COMPLETE AND FUNCTIONAL PLUMBING SYSTEMS.
- I. ALL CLEANOUTS, VALVES, AIR CHAMBERS, ETC. ARE TO BE ACCESSIBLE. EXTEND PIPING AND PROVIDE ACCESS PANELS WHERE NECESSARY. PLUMBING CONTRACTOR WILL BE REQUIRED TO DEMONSTRATE ACCESSIBILITY IF IT IS QUESTIONABLE. ACCESS PANEL SIZES, LOCATIONS, AND FINAL COLOR SHALL BE COORDINATED WITH THE ARCHITECT AS WELL AS ALL OTHER TRADES TO AVOID ANY CONFLICTS. ACCESS PANELS PROVIDED BY PLUMBING CONTRACTOR FOR INSTALLATION BY GENERAL CONTRACTOR.
- J. PLUMBING CONTRACTOR SHALL CLEAN WORK AREA OF ALL DUST AND DEBRIS GENERATED BY THEIR WORK AT THE END OF EACH WORK DAY.
- K. ALL PLUMBING SYSTEM VALVES SHALL BE INSTALLED IN A LOCATION AND ORIENTATION THAT WILL PERMIT INTENDED USE.
- L. PROVIDE STOPS AND/OR ISOLATION VALVES TO EACH INDIVIDUAL FIXTURE OR PIECE OF EQUIPMENT TO ALLOW FOR INDIVIDUAL SERVICING UNLESS NOTED OTHERWISE ON PLANS.
- M. SANITARY WASTE PIPING SHALL BE SLOPED AT 1/8-INCH PER FOOT MINIMUM FOR ALL PIPING 4-INCH AND LARGER AND AT 1/4-INCH PER FOOT MINIMUM FOR ALL PIPING 3-INCH AND SMALLER.
- N. INDIRECT DRAIN PIPING FROM FIXTURES, SPECIALTIES, AND EQUIPMENT SHALL BE ROUTED TO FLOOR DRAIN OR OTHER APPROVED RECEPICLES AND TERMINATED WITH AN AIR GAP 2 TIMES THE DIAMETER OF THE DRAIN PIPING BUT NOT LESS THAN A 1 INCH GAP. SUPPORT PIPING SO DRAIN PIPING CANNOT BE DEFLECTED FROM DRAIN SOURCE.
- O. WHEREVER POSSIBLE, HORIZONTAL SOIL OR WASTE PIPE SHALL COME OFF TOP OR AT 45 DEGREE VERTICALLY FROM CENTER OF PIPE BEFORE OFFSETTING HORIZONTALLY TO RISER.
- P. ALL VENT TERMINATIONS SHALL BE COORDINATED WITH BUILDING OPENINGS, AIR INTAKES, AND AIR EXHAUST OPENINGS. ADJUST VENT THROUGH ROOF LOCATIONS TO COMPLY WITH APPLICABLE CODE.
- Q. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING ALL HANGERS AND SUPPORTS ARE ANCHORED OR ATTACHED TO BUILDING ELEMENTS ADEQUATE FOR INTENDED PLUMBING SYSTEM OR EQUIPMENT.
- R. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL NAIL PLATES WHERE PIPING PASSES THROUGH STUD(S) WITHIN 2" OF NAILING SURFACE TO PROTECT PIPE FROM NAILS OR DRYWALL SCREWS.
- S. PLUMBING CONTRACTOR SHALL INSTALL AIR CHAMBERS ON VERTICAL DROP TO INDIVIDUAL SINKS WITH SPRAY FEATURE. INSTALL PISTON-TYPE WATER HAMMER ARRESTORS ON HORIZONTAL PIPING PRIOR TO DROP TO ALL INDIVIDUAL FLUSH VALVE FIXTURES. PISTON- OR DIAPHRAGM-TYPE WATER HAMMER ARRESTORS MAY BE UTILIZED FOR WATER HEADERS SERVING A GROUP OF FIXTURES WITHIN THE SAME CHASE AND SHALL BE LOCATED UPSTREAM THE LAST FIXTURE SERVED ON THE HEADER. LOCATE ARRESTORS IN ACCESSIBLE LOCATION, OR PROVIDE ACCESS PANEL. SIZE ARRESTORS PER MANUFACTURER'S RECOMMENDATION FOR RELATED FIXTURE LOAD.
- T. MINIMIZE DEVELOPED LENGTH OF BRANCH RUNOUTS FROM CIRCULATED DOMESTIC HOT WATER MAINS TO FIXTURES AND/OR MIXING VALVES WHENEVER POSSIBLE.
- U. ALL P-TRAPS FOR FLOOR DRAINS AND FLOOR SINKS SHALL BE DEEP SEAL TRAP FILLED WITH VEGETABLE OIL.
- V. PLUMBING CONTRACTOR TO INSTALL AND TEST EQUIPMENT PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS TO ASSURE PROPER OPERATION.
- W. INSULATE ALL ABOVE FLOOR TRAPS RECEIVING CHILLED WATER OR CONDENSATE WITH ELASTOMERIC MATERIAL.
- X. NEW HOT WATER CALIBRATED BALANCING VALVES SHOWN ARE TO BE BALANCED FOR 0.5 GPM UNLESS OTHERWISE NOTED ON PLANS. REFER TO PLUMBING SYMBOLS THIS SHEET.
- Y. PROJECT LOCATION IS SEISMIC CATEGORY D. REFER TO SHEET S-001 FOR SEISMIC DESIGN DATA.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% Bid Set**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

SHEET TITLE:

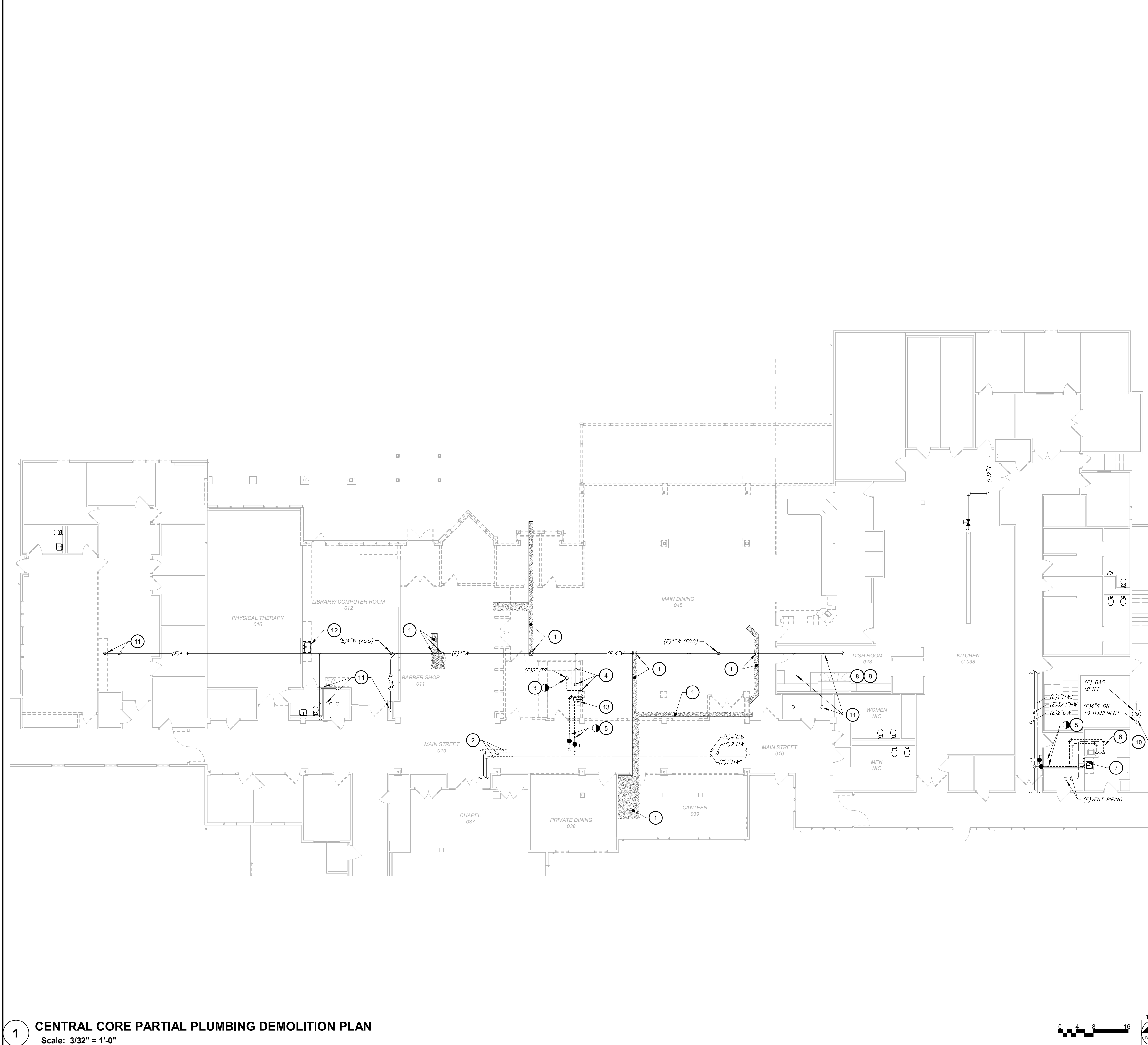
**PLUMBING GENERAL  
INFORMATION**

SHEET NUMBER:

**P-001**

SHEET 121 OF 197  
ISSUE DATE: 08/15/2024



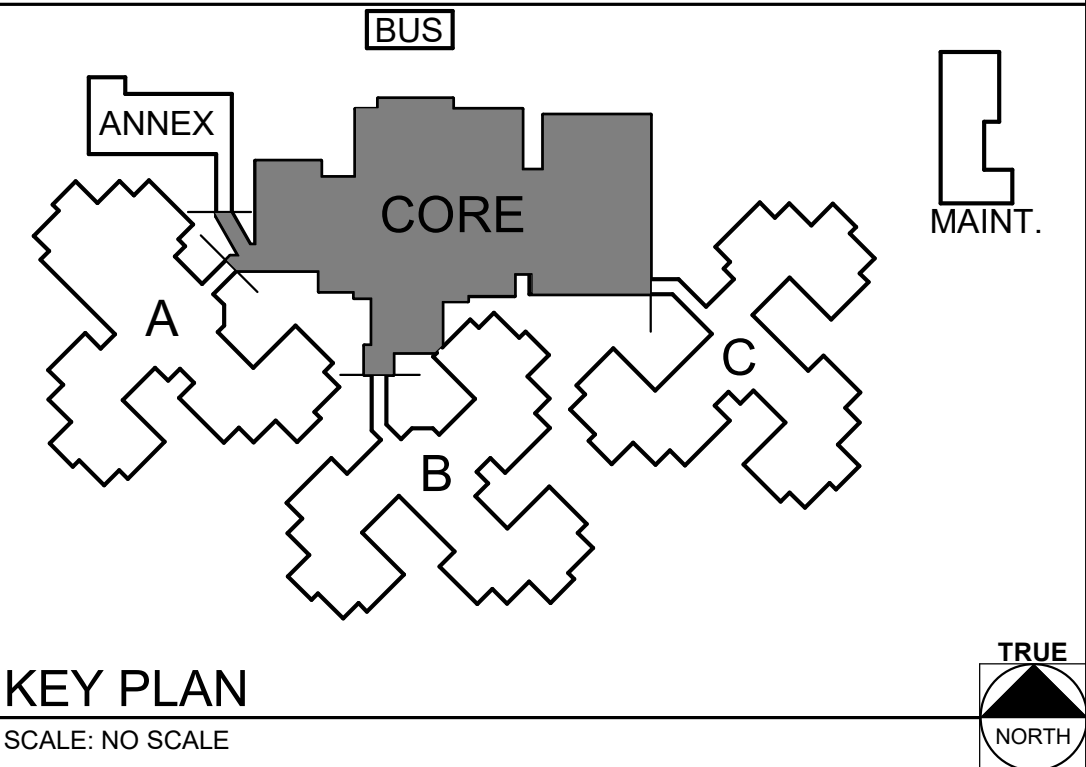


GENERAL NOTES

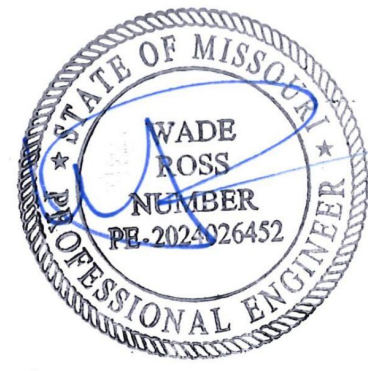
- A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- B. ALL PLUMBING WORK IS TO BE PERFORMED BY A LICENSED PLUMBER IN THE STATE OF MISSOURI AND CONFORM TO THE INTERNATIONAL PLUMBING CODE AS ADOPTED BY THE STATE.
- C. SEE WRITTEN SPECIFICATIONS FOR ADDITIONAL PLUMBING MATERIAL AND EQUIPMENT CRITERIA RELATED TO THIS PROJECT.

KEYNOTES #

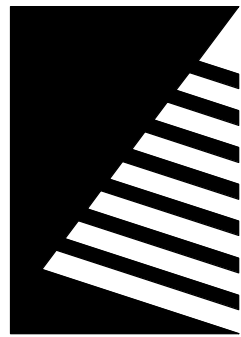
- 1 PC TO DEMARCAT FLOOR AREA FOR REMOVAL BY GC TO ACCOMMODATE NEW UNDERFLOOR PLUMBING. PC TO PROVIDE EXCAVATION FOR ASSOCIATED WORK.
- 2 PC TO THOROUGHLY REVIEW EXISTING CONDITIONS AND INCORPORATE INTO BID ALL WORK ASSOCIATED WITH SYSTEM DRAIN DOWN AND MODIFICATIONS NEEDED TO CONNECT TO EXISTING DOMESTIC WATER PIPING WHERE INDICATED. SEE NEW WORK PLANS FOR CLARIFICATION.
- 3 PC TO REMOVE VENT PIPING COMPLETE.
- 4 PC TO REMOVE SINK AND ALL TRIM COMPLETE. REMOVE ASSOCIATED SANITARY TEE IN WALL AND REPLACE WITH PIPE NIPPLE AND NO-HUB COUPLINGS TO RE-ESTABLISH RISER. NOTIFY GC WHEN WORK IS COMPLETED FOR WALL PATCH. VERIFY IF FLOOR DRAIN INDICATED ON ORIGINAL AS-BUILT DRAWINGS IS STILL IN PLACE ONCE CASEWORK IS REMOVED. REMOVE STRAINER AND PLUG/ABANDON DRAIN BELOW FLOOR LEVEL TO ALLOW GC TO GROUT DRAIN SUMP IN FLUSH WITH FLOOR.
- 5 DISCONNECT WATER PIPING DOWNSTREAM EXISTING ISOLATION VALVES AND MAINTAIN PORTION OF OUTLET PIPING FOR NEW PIPING.
- 6 PC TO DISCONNECT AND REMOVE SHAMPOO SINK, TUBULAR WASTE, TRAP, AND FAUCET. RETAIN ITEMS FOR REINSTALLATION. REMOVE SANITARY TEE AND REPLACE WITH PIPE NIPPLE AND NO-HUB COUPLINGS TO RE-ESTABLISH RISER IN WALL. WATER DROP PIPING MAY BE ABANDONED IN WALL. NOTIFY GC WHEN WORK IS COMPLETE TO ALLOW FOR WALL PATCH.
- 7 PC TO DISCONNECT SINK WASTE AND WATER TO ALLOW FOR SINK TO BE REMOVED WITH COUNTER BY GC. REMOVE SANITARY TEE AND REPLACE WITH PIPE NIPPLE AND NO-HUB COUPLINGS TO RE-ESTABLISH RISER IN WALL. NOTIFY GC WHEN WORK IS COMPLETE TO ALLOW FOR WALL PATCH.
- 8 PC IS TO DISCONNECT ALL WATER AND WASTE PIPING ASSOCIATED WITH DISHWASHER. DISHWASHER TO BE MOVED TEMPORARILY FOR FLOORING WORK. REFER TO ARCHITECTURAL PLANS.
- 9 PC IS TO DISCONNECT WATER AND DRAIN PIPING ASSOCIATED WITH BOOSTER HEATER. HEATER TO BE MOVED TEMPORARILY FOR FLOORING WORK. REFER TO ARCHITECTURAL PLANS.
- 10 PC TO REVIEW EXISTING GAS METER SET ASSEMBLY PRIOR TO BID FOR DEMO WORK AND/OR MODIFICATIONS NEEDED FOR NEW WORK.
- 11 EXISTING PIPING TO REMAIN (NO WORK).
- 12 REMOVE EXISTING SINK AND ASSOCIATED FAUCET AND ACCESSORIES. CAP WASTE PIPING BEHIND WALL AND REPAIR WALL. CAP WATER AND VENT PIPING ABOVE THE CEILING AS CLOSE TO THE ACTIVE MAINS AS POSSIBLE. REFER TO GENERAL NOTES.
- 13 REMOVE EXISTING SINK AND ASSOCIATED FAUCET AND ACCESSORIES. CAP WASTE PIPING BELOW FLOOR AND REPAIR FLOOR. CAP WATER AND VENT PIPING ABOVE THE CEILING AS CLOSE TO THE ACTIVE MAINS AS POSSIBLE. REFER TO GENERAL NOTES.



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% Bid Set**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

SHEET TITLE:  
**CENTRAL CORE  
PARTIAL PLUMBING  
DEMOLITION PLAN**

SHEET NUMBER:

**P-101**

SHEET 122 OF 197  
ISSUE DATE: 08/15/2024



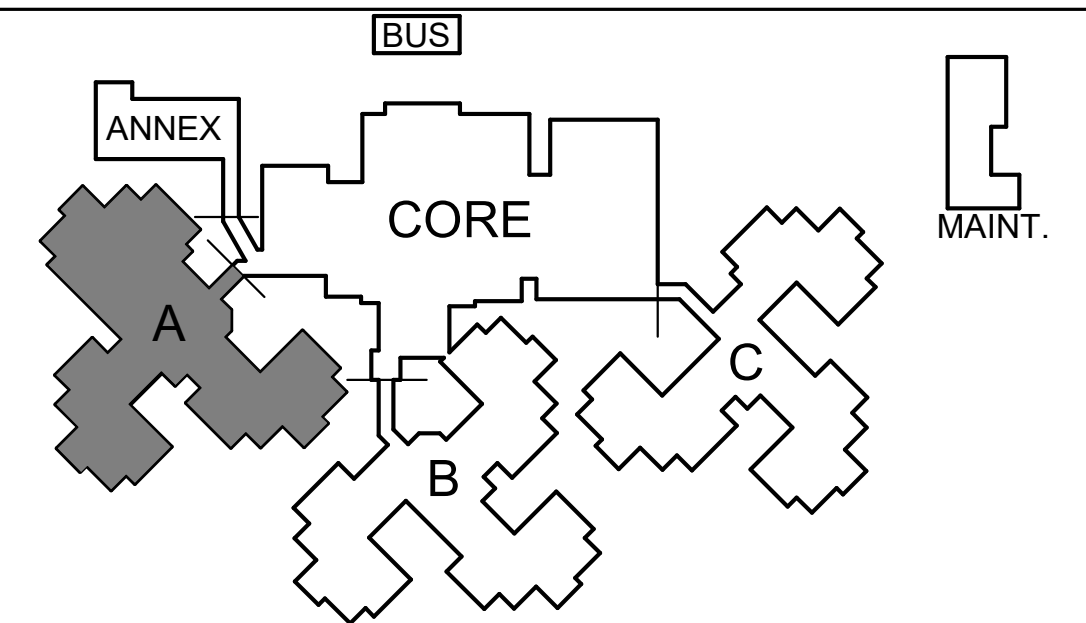


GENERAL NOTES

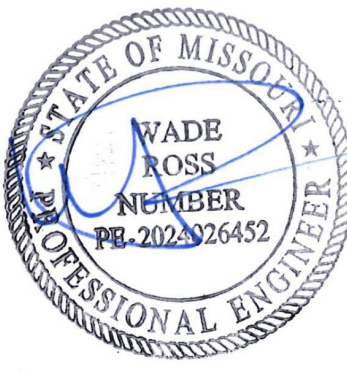
- A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- B. ALL PLUMBING WORK IS TO BE PERFORMED BY A LICENSED PLUMBER IN THE STATE OF MISSOURI AND CONFORM TO THE INTERNATIONAL PLUMBING CODE AS ADOPTED BY THE STATE.
- C. SEE WRITTEN SPECIFICATIONS FOR ADDITIONAL PLUMBING MATERIAL AND EQUIPMENT CRITERIA RELATED TO THIS PROJECT.

KEYNOTES #

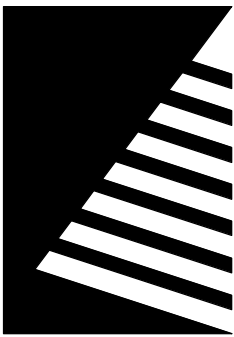
- 1 PC TO DEMARCAT E FLOOR AREA FOR REMOVAL BY GC TO ACCOMMODATE NEW UNDERFLOOR PLUMBING. PC TO PROVIDE EXCAVATION FOR ASSOCIATED WORK.
- 2 NO PLUMBING WORK THIS AREA.
- 3 PC TO DRAIN DOWN DOMESTIC WATER SYSTEM TO ALLOW FOR NEW CONNECTIONS THIS AREA. SEE NEW WORK PLANS FOR CLARIFICATION.
- 4 PC TO FIELD VERIFY APPROXIMATE LOCATION OF EXISTING WATER MAINS UTILIZING CEILING ACCESS IN SUSPENDED CEILING AREAS ADJACENT TO TOILET ROOM AND COORDINATE WITH GC TO CUT NEW ACCESS IN DRYWALL CEILING. ONCE ACCESS IS PROVIDED, HW PIPING SHOULD BE DISCONNECTED DOWNSTREAM LAVATORY AND CAPPED TO ELIMINATE DEADLEG. SEE NEW WORK FOR RELATED MODIFICATIONS.



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% Bid Set

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

SHEET TITLE:

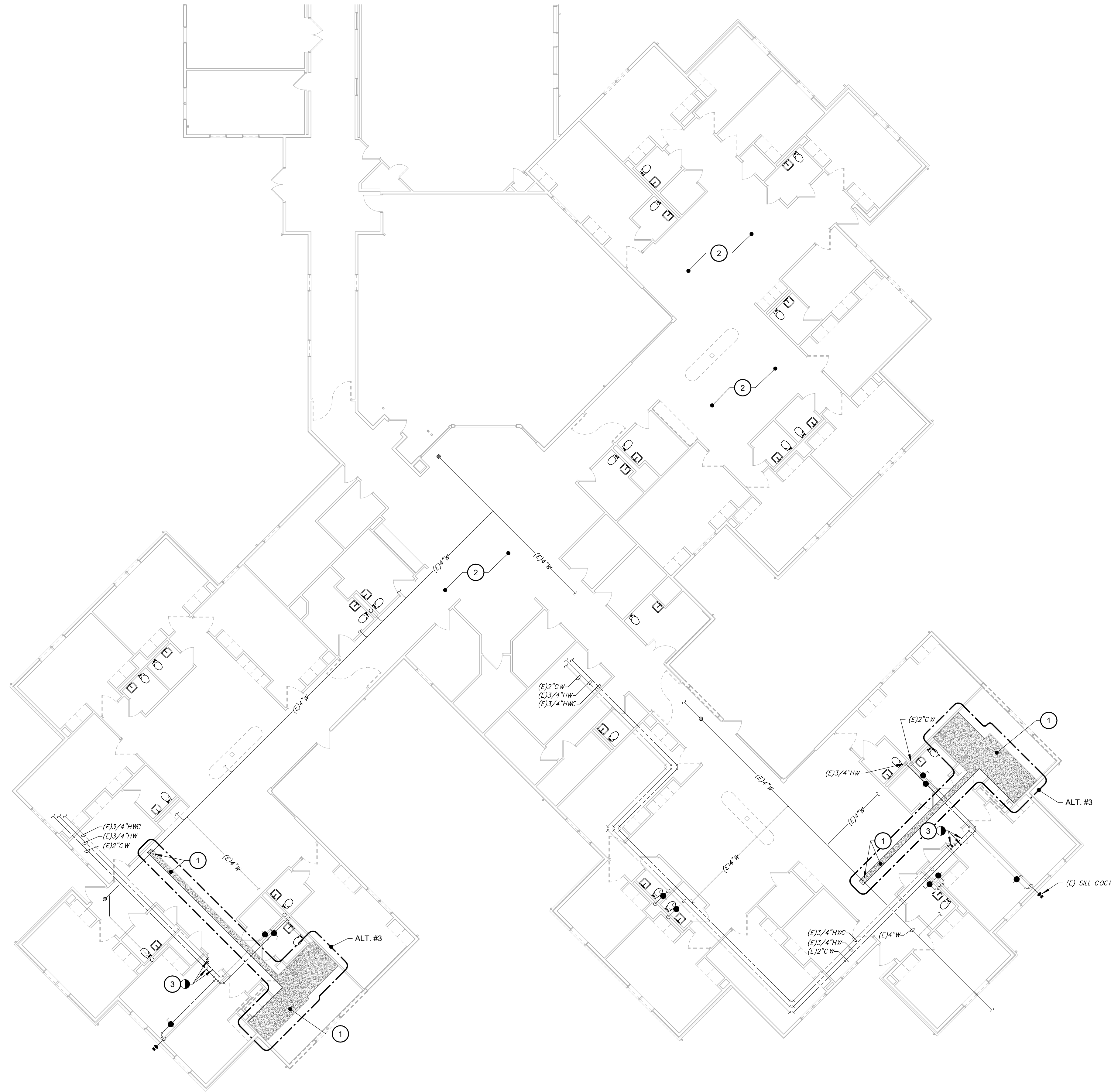
WING A PARTIAL  
PLUMBING  
DEMOLITION PLAN

SHEET NUMBER:

P-102

SHEET 123 OF 197  
ISSUE DATE: 08/15/2024



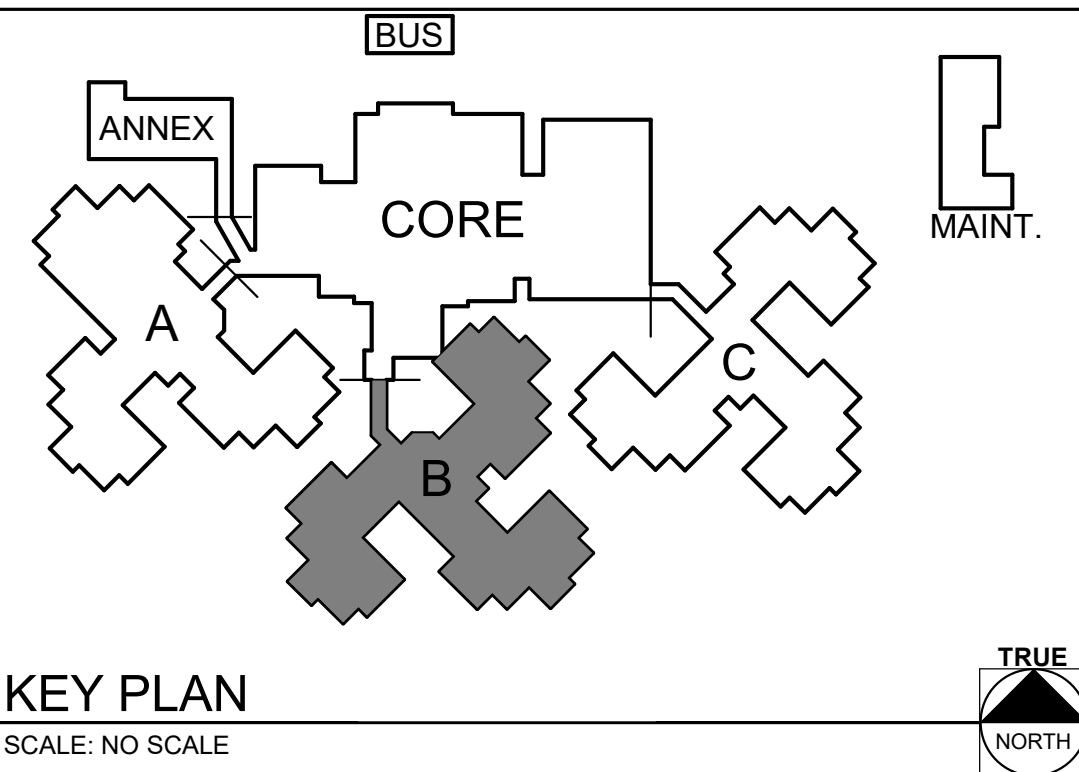


GENERAL NOTES

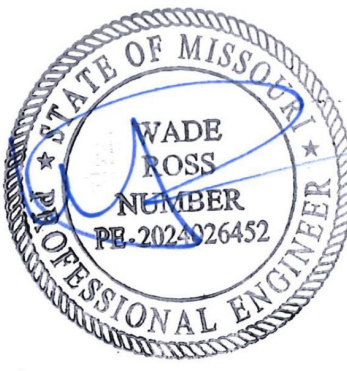
- A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- B. ALL PLUMBING WORK IS TO BE PERFORMED BY A LICENSED PLUMBER IN THE STATE OF MISSOURI AND CONFORM TO THE INTERNATIONAL PLUMBING CODE AS ADOPTED BY THE STATE.
- C. SEE WRITTEN SPECIFICATIONS FOR ADDITIONAL PLUMBING MATERIAL AND EQUIPMENT CRITERIA RELATED TO THIS PROJECT.

KEYNOTES

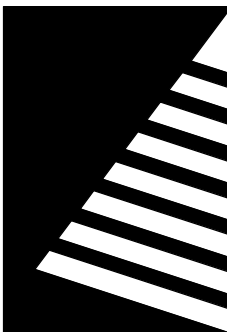
- 1 PC TO DEMARCAT FLOOR AREA FOR REMOVAL BY GC TO ACCOMMODATE NEW UNDERFLOOR PLUMBING. PC TO PROVIDE EXCAVATION FOR ASSOCIATED WORK.
- 2 NO PLUMBING WORK THIS AREA.
- 3 PC TO DRAIN DOWN DOMESTIC WATER SYSTEM TO ALLOW FOR NEW CONNECTIONS THIS AREA. SEE NEW WORK PLANS FOR CLARIFICATION.



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% Bid Set

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

SHEET TITLE:

WING B PARTIAL  
PLUMBING  
DEMOLITION PLAN

SHEET NUMBER:

P-103

SHEET 124 OF 197  
ISSUE DATE: 08/15/2024





**GENERAL NOTES**

A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.

B. ALL PLUMBING WORK IS TO BE PERFORMED BY A LICENSED PLUMBER IN THE STATE OF MISSOURI AND CONFORM TO THE INTERNATIONAL PLUMBING CODE AS ADOPTED BY THE STATE.

C. SEE WRITTEN SPECIFICATIONS FOR ADDITIONAL PLUMBING MATERIAL AND EQUIPMENT CRITERIA RELATED TO THIS PROJECT.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR

08/15/2024

**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% Bid Set**

08/15/2024

- KEYNOTES** #
- 1 PC TO DEMARCAT FLOOR AREA FOR REMOVAL BY GC TO ACCOMODATE NEW UNDERFLOOR PLUMBING. PC TO PROVIDE EXCAVATION FOR ASSOCIATED WORK.
  - 2 NO PLUMBING WORK THIS AREA.
  - 3 PC TO DRAIN DOWN DOMESTIC WATER SYSTEM TO ALLOW FOR NEW CONNECTIONS THIS AREA. SEE NEW WORK PLANS FOR CLARIFICATION.

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043

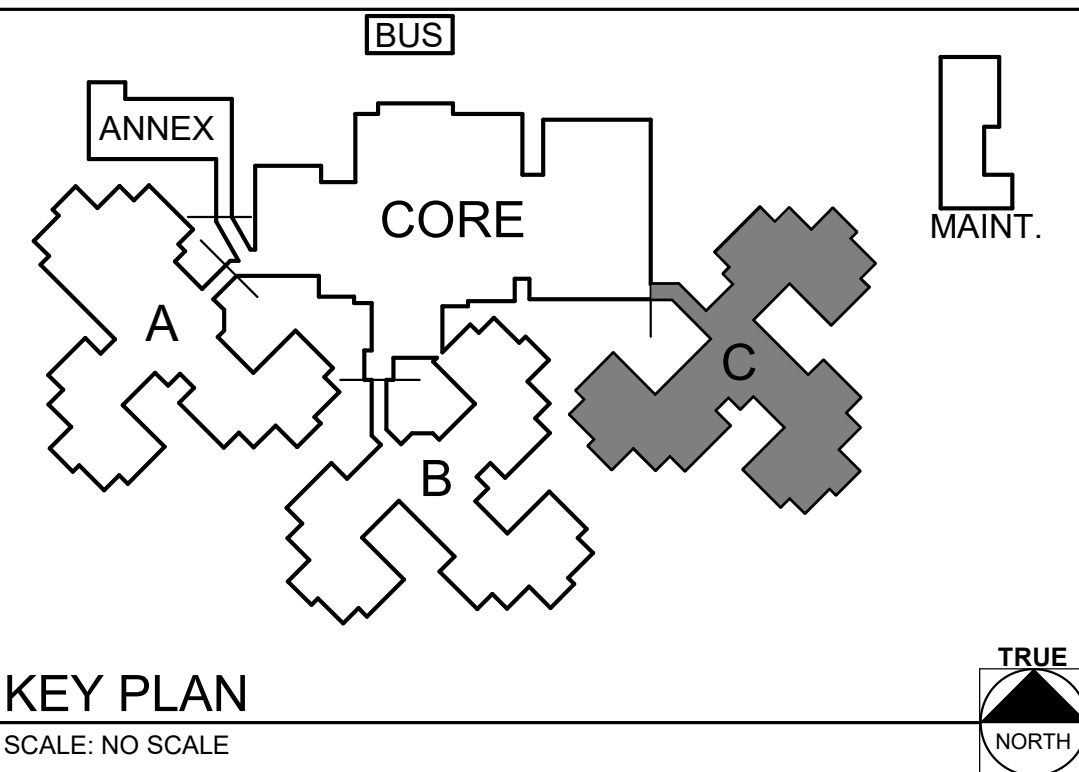
#	DATE:	DESCRIPTION:
---	-------	--------------

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

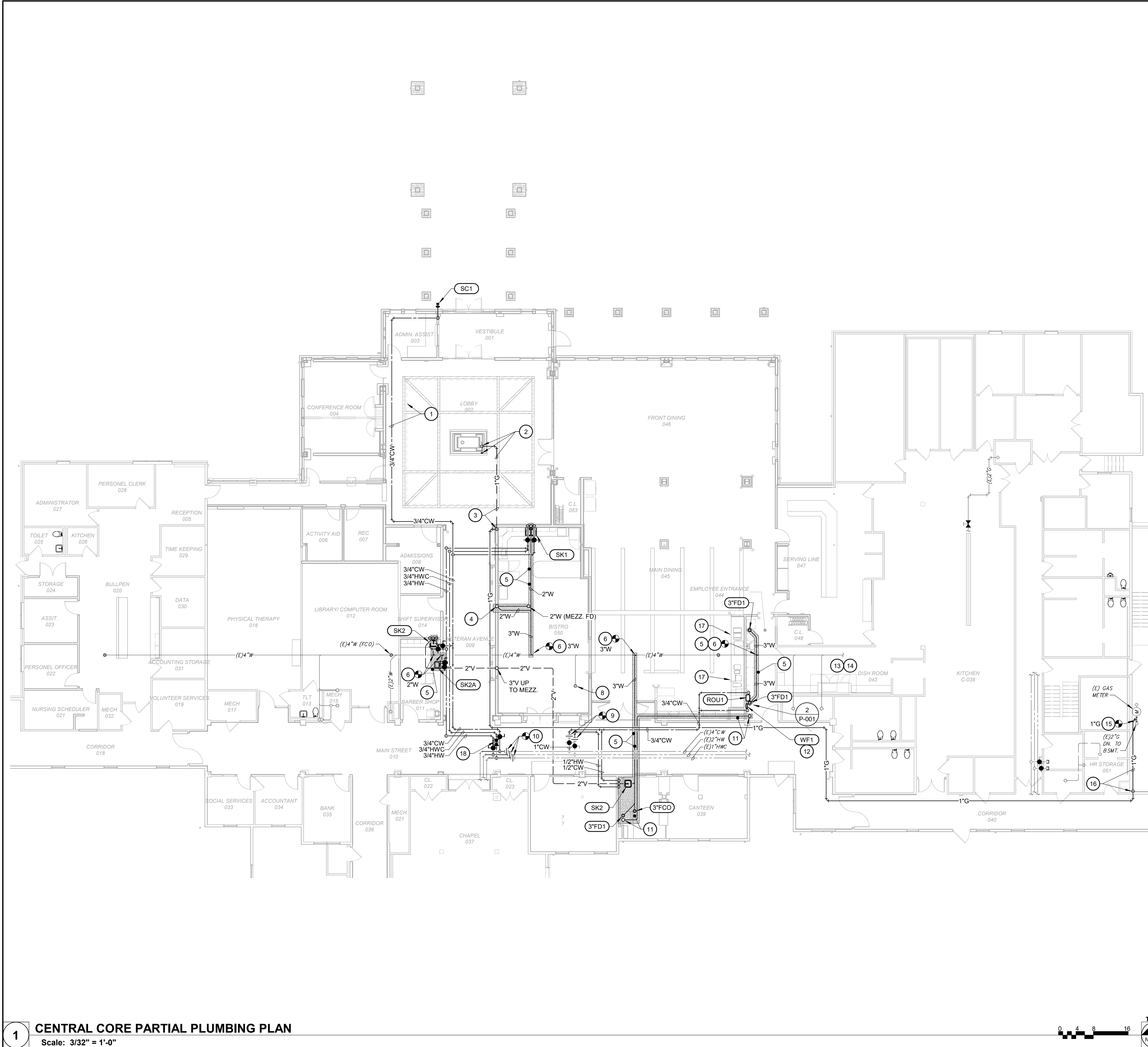
SHEET TITLE:  
**WING C PARTIAL  
PLUMBING  
DEMOLITION PLAN**

SHEET NUMBER:  
**P-104**

SHEET 125 OF 197  
ISSUE DATE: 08/15/2024







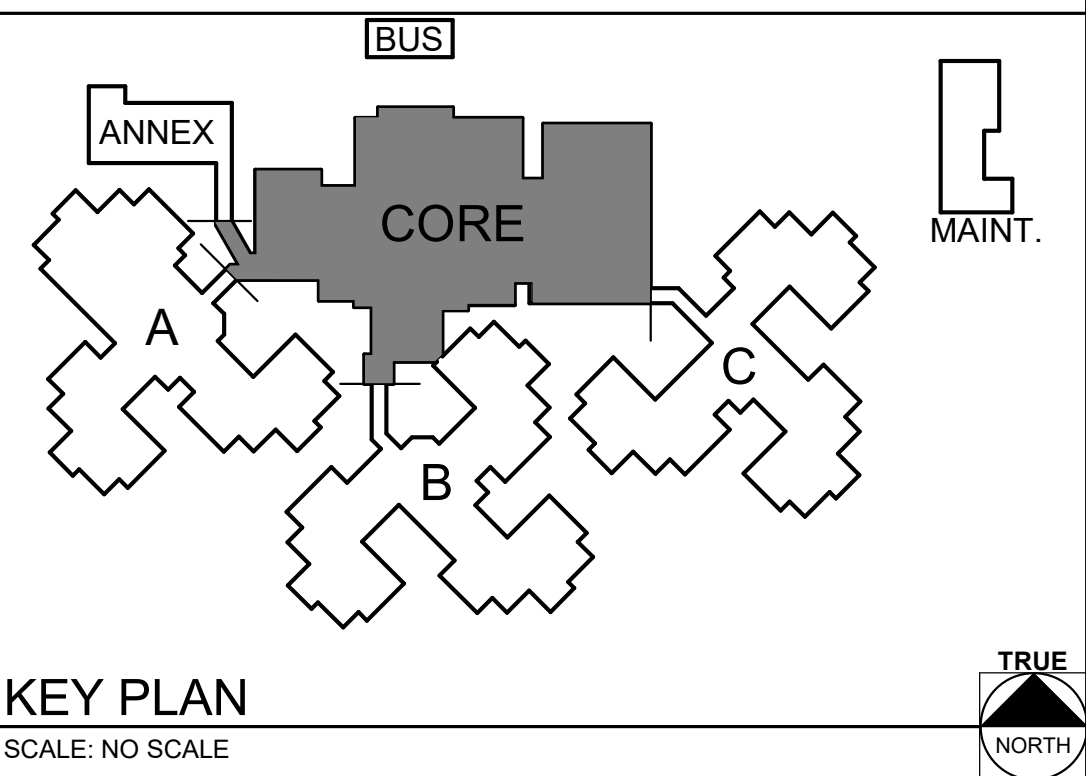
**GENERAL NOTES**

A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.

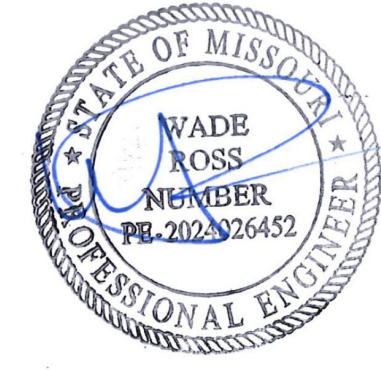
B. ALL PLUMBING WORK IS TO BE PERFORMED BY A LICENSED PLUMBER IN THE STATE OF MISSOURI AND CONFORM TO THE INTERNATIONAL PLUMBING CODE AS ADOPTED BY THE STATE.

C. SEE WRITTEN SPECIFICATIONS FOR ADDITIONAL PLUMBING MATERIAL AND EQUIPMENT CRITERIA RELATED TO THIS PROJECT.

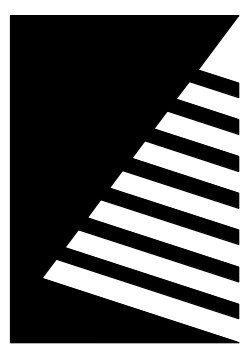
- KEYNOTES #**
- PC TO ROUTE CW PIPING WITHIN SOFFIT IN GENERAL LOCATION INDICATED. COORDINATE FINAL LOCATION AND ELEVATION WITH SOFFIT FRAMING AND OTHER ABOVE CEILING UTILITIES.
  - PC TO ROUTE 1" G UNDER SLAB AND UP INTO FIREPLACE BOXOUT AT LOCATION TO BE COORDINATED WITH APPROVED FIREPLACE INSERT. TRANSITION TO 3/4" STRAIGHT GAS VALVE, WITH KEYED 1/4-TURN STEM, 3" BRASS KEY, AND FLOOR/WALL PLATE. EXTEND FROM VALVE OUTLET TO FIREPLACE CONNECTION UTILIZING CORRUGATED STAINLESS STEEL GAS HOSE AND ADAPTERS COMPATIBLE WITH SELECTED FIREPLACE. VALVE, KEY, AND WALL PLATE TO BE EQUIVALENT TO DANTE PRODUCTS No.CP.BVS2.BR.B
  - DROP 1" G DOWN IN WALL WITHIN 2" PVC CONDUIT AND UNDER SLAB TO FIREPLACE SIMILAR TO ROUTING INDICATED. PVC CONDUIT TO BE OPEN AT EACH END WITHIN FIREPLACE BOXOUT ENCLOSURE AND ABOVE CEILING.
  - 2" V UP, 2" W DN.
  - PC TO INSTALL UNDERFLOOR PIPING WHERE INDICATED AND BACKFILL. GC TO PATCH FLOOR FLUSH WITH EXISTING.
  - PC TO MAKE NEW CONNECTION TO EXISTING UNDERFLOOR SANITARY MAIN USING NO-HUB COUPLINGS. COUPLING USED SHALL BE COMPATIBLE WITH EXISTING AND NEW PIPE MATERIALS AND MANUFACTURED FOR INTENDED USE.
  - <NOT USED>
  - PC TO REMOVE STRAINER AND PLUG FLOOR DRAIN BELOW SUMP AND COORDINATE WITH GC TO FILL SUMP WITH GROUT FLUSH WITH FINISHED FLOOR.
  - PC TO CONNECT TO EXISTING WATER PIPING AT OUTLET OF EXISTING ISOLATION VALVES AND EXTEND TO NEW FIXTURES.
  - PC TO CONNECT NEW WATER PIPING TO EXISTING MAINS WITH ISOLATION VALVES, TEST, FLUSH, AND RESTORE SYSTEM. PLAN WORK TO MINIMIZE DISRUPTIONS OF SERVICE AS MUCH AS POSSIBLE.
  - PC TO INSTALL 6" SCH. 40 PVC CONDUIT JUST BELOW SLAB AND EXTEND JUST ABOVE SLAB LEVEL OPEN AT EACH END. TEMPORARILY CAP ENDS TO PREVENT CONSTRUCTION DEBRIS FROM MIGRATING INTO SLEEVE INTENDED FOR FLEXIBLE SODA LINES BY SODA VENDOR. EXTEND 1/2" PEX TUBING (BLUE) FROM WATER FILTER THROUGH SLEEVE TO ABOVE SLAB UNDER SODA DISPENSING EQUIPMENT. EXTEND THROUGH FULL PORT BALL VALVE AND DUAL CHECK VALVE SURFACE MOUNTED WITHIN CASEWORK AND MAKE FINAL CONNECTION TO WATER DISPENSING INLET ONCE ON SITE. TEST AND FLUSH PIPING.
  - SURFACE MOUNT WATER FILTER WITH INLET 36" ABOVE FINISHED FLOOR USING FILTER ASSEMBLY WALL BRACKET AND APPROPRIATE ANCHORS FOR WALL MATERIAL. EXTEND 1/2" FILTERED COLD WATER INTO PVC SLEEVE TO DISPENSING EQUIPMENT AND 1/2" FILTERED COLD WATER TO DUAL CHECK VALVE WITH 2" LONG THREADED/CAPPED PIPE NIPPLE AT OUTLET. EXTENSION FROM CHECK VALVE OUTLET TO POST MIX/SODA EQUIPMENT BY SODA VENDOR. SEE PLUMBING SCHEDULES FOR WATER FILTER DATA.
  - RE-INSTALL EXISTING DISHWASHER. RECONNECT WATER PIPING UTILIZING EXISTING SOURCE AND WITH NEW FULL PORT BALL VALVE. EXTEND DRAIN PIPING FROM DISHWASHER OUTLET TO EXISTING FLOOR SINK USING DWV COPPER PIPE AND FITTINGS SUPPORTED OFF UNIT. NOTIFY MC AND EC WHEN DISHWASHER IS AVAILABLE FOR RELATED VENT AND POWER CONNECTIONS.
  - RE-INSTALL EXISTING BOOSTER HEATER. PROVIDE NEW ISOLATION VALVE AND PIPING FROM EXISTING SOURCE TO HEATER INLET AND FROM HEATER OUTLET TO DISHWASHER. EXTEND T&P RELIEF PIPING TO EXISTING FLOOR SINK AND TERMINATE WITH AIR GAP.
  - PC TO UTILIZE MAIN METER SET VALVE TO ISOLATE GAS TO BUILDING AND PURGE LINE TO ALLOW FOR NEW CONNECTION. CONTACT UTILITY WHERE POSITIVE SHUTOFF IS NOT ABLE TO BE ACHIEVED. MAKE NEW CONNECTION TO EXISTING 4" G PIPING USING THREADED TAP WELD ADAPTER AND INSTALL NEW 1" NIPPLE AND VALVE. RESTORE GAS SERVICE AND TEST FITTINGS AS OUTLINED IN THE INTERNATIONAL FUEL GAS CODE. PLAN WORK TO MINIMIZE DISRUPTIONS OF SERVICE TO KITCHEN AND HEATING EQUIPMENT IN BASEMENT.
  - SURFACE ROUTE NEW 1" G ALONG LOWER BUILDING EXTERIOR AND UP WALL TO ABOVE CORRIDOR CEILING. PROVIDE NEW WALL PENETRATION, INSULATE WITH FOAM, AND SEAL EXTERIOR WITH 25 YEAR SILICON CAULK. ALL NEW EXPOSED PIPING TO BE PAINTED TO MATCH ADJACENT WALL MATERIAL BY GC.
  - TERMINATE BEVERAGE EQUIPMENT DRAIN LINES WITH AIR GAP AT NEARBY FLOOR DRAINS ON OTHER SIDE OF WALL. SEE ARCHITECTURAL PLANS FOR EQUIPMENT LOCATIONS.
  - HW BALANCING VALVE, 0.5 GPM. TYP ALL PLANS WHERE SHOWN.



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



**Farnsworth GROUP**  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% Bid Set**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

SHEET TITLE:  
**CENTRAL CORE  
PARTIAL PLUMBING  
PLAN**

SHEET NUMBER:  
**P-105**  
SHEET 126 OF 197  
ISSUE DATE: 08/15/2024



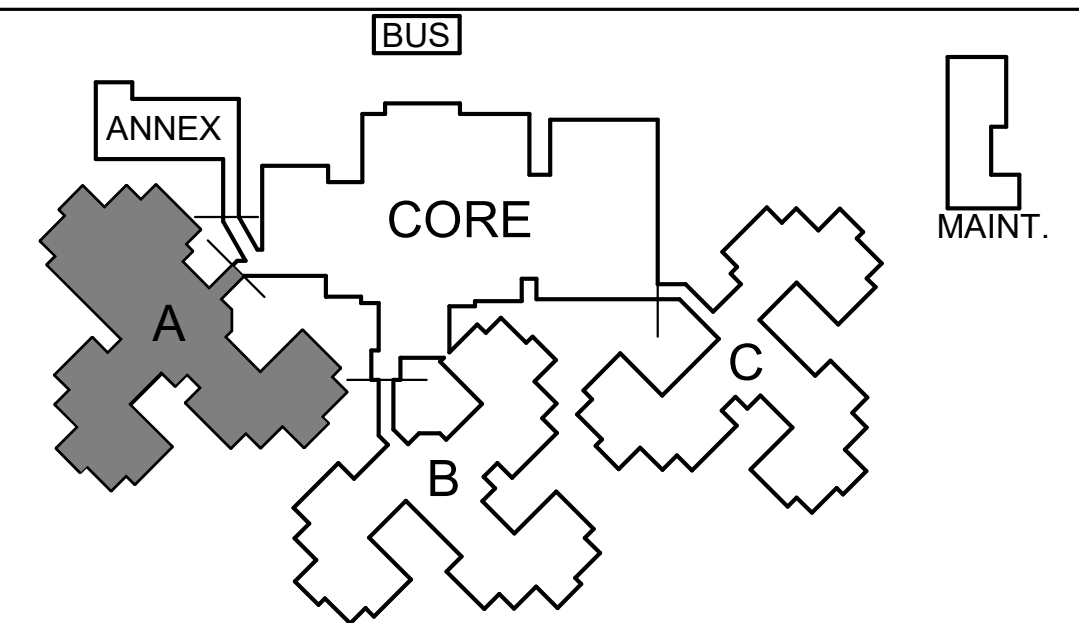


GENERAL NOTES

- A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.  
B. ALL PLUMBING WORK IS TO BE PERFORMED BY A LICENSED PLUMBER IN THE STATE OF MISSOURI AND CONFORM TO THE INTERNATIONAL PLUMBING CODE AS ADOPTED BY THE STATE.  
C. SEE WRITTEN SPECIFICATIONS FOR ADDITIONAL PLUMBING MATERIAL AND EQUIPMENT CRITERIA RELATED TO THIS PROJECT.

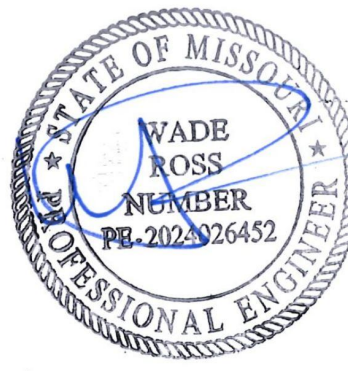
KEYNOTES #

- 1 PC TO VERIFY EXISTING SANITARY WASTE PIPE MATERIAL IN FIELD AND MAKE NEW CONNECTION WITH NO-HUB ADAPTERS MANUFACTURED FOR SUCH CONNECTION.
- 2 PC TO PROVIDE INSTALLATION OF PIPING AND BACKFILL. GC TO PATCH FLOOR FLUSH WITH EXISTING.
- 3 PC TO MAKE NEW CONNECTION TO EXISTING HW/CW MAINS IN GENERAL LOCATION INDICATED ABOVE SUSPENDED CEILING. DISCONNECT HWC AND EXTEND CLOSER TO NEW TOILET ROOMS IN GENERAL ROUTING INDICATED WHILE COORDINATING WITH EXISTING BUILDING ELEMENTS ABOVE CEILING.
- 4 PC TO VERIFY EXISTING VENT STACK/PIPING IN FIELD AND EXTEND NEW 2"V TO WORKABLE LOCATION FOR NEW CONNECTION.
- 5 PC TO MAKE NEW CONNECTIONS ABOVE SUSPENDED CEILING AND EXTEND NEW PIPING ACROSS EXISTING DRYWALL CEILING TO ADJACENT AREA WITH TILE CEILING ACCESS.
- 6 PC TO RE-ESTABLISH HW LOOP WITH NEW CONNECTION ABOVE SUSPENDED CEILING IN GENERAL LOCATION INDICATED.
- 7 PC TO CAP HW JUST DOWNSTREAM BRANCH TO EXISTING LAVATORY AND PROVIDE 12"x12" ACCESS PANEL TO GC TO INSTALL AT NEW DRYWALL CEILING ACCESS LOCATION.
- 8 PC TO FIELD VERIFY EXISTING SANITARY PIPING MATERIAL AND CONNECT NEW SCH40 PVC PIPING WITH NO-HUB ADAPTER MANUFACTURED FOR SUCH CONNECTION. EXTEND NEW PIPING 5-FOOT OUTSIDE NEW FOUNDATION WALL AND CONNECT TO SITE PIPING.

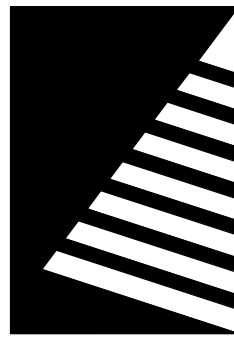


KEY PLAN  
SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% Bid Set

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

SHEET TITLE:  
WING A PARTIAL  
PLUMBING PLAN

SHEET NUMBER:

P-106

SHEET 127 OF 197  
ISSUE DATE: 08/15/2024





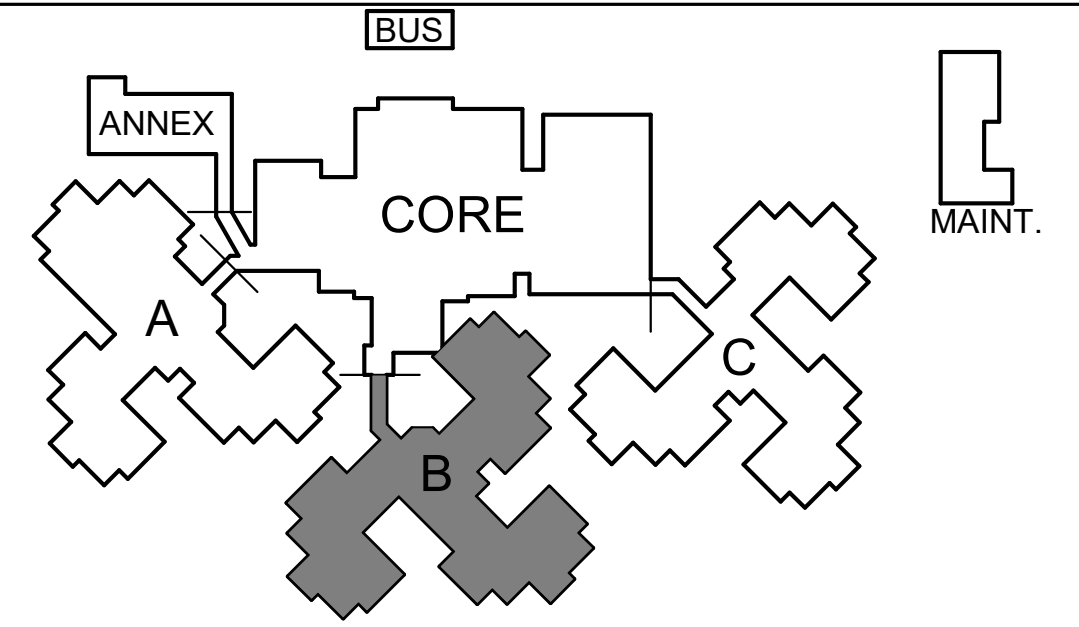


GENERAL NOTES

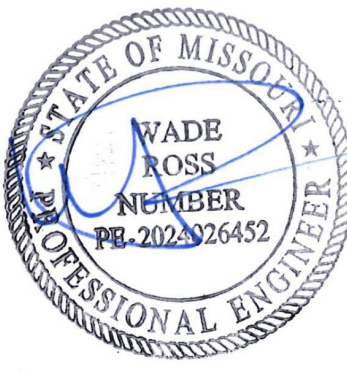
- A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- B. ALL PLUMBING WORK IS TO BE PERFORMED BY A LICENSED PLUMBER IN THE STATE OF MISSOURI AND CONFORM TO THE INTERNATIONAL PLUMBING CODE AS ADOPTED BY THE STATE.
- C. SEE WRITTEN SPECIFICATIONS FOR ADDITIONAL PLUMBING MATERIAL AND EQUIPMENT CRITERIA RELATED TO THIS PROJECT.

KEYNOTES #

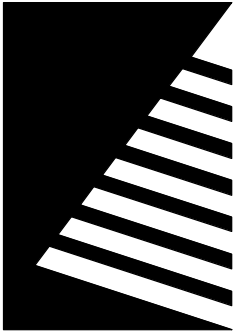
- 1 PC TO INSTALL 1-INCH CW FULL PORT BALL VALVE IN GENERAL LOCATION AND EXTEND DEDICATED LINE DOWN IN ADJACENT TOILET ROOM CHASE.
- 2 PC TO EXTEND 1"PE WATER SERVICE PIPING THROUGH FOUNDATION WALL AND UP INTO NEW CHASE. PROVIDE PEX COPPER BRASS COMPRESSION ADAPTER JUST ABOVE FLOOR. SEE SITE UTILITY PLANS FOR CONTINUATION OF 1"CW FROM THIS LOCATION TO PAVILION. REFER TO KEYNOTE 7 SHOULD ALTERNATE BID #3 NOT GET ACCEPTED.
- 3 PC TO VERIFY EXISTING SANITARY WASTE PIPE MATERIAL IN FIELD AND MAKE NEW CONNECTION WITH NO-HUB ADAPTERS MANUFACTURED FOR SUCH CONNECTION.
- 4 PC TO PROVIDE INSTALLATION OF PIPING AND BACKFILL. GC TO PATCH FLOOR FLUSH WITH EXISTING.
- 5 PC TO MAKE NEW CONNECTION TO EXISTING HW/CW MAINS IN GENERAL LOCATION INDICATED ABOVE SUSPENDED CEILING. DISCONNECT HWC AND EXTEND CLOSER TO NEW TOILET ROOMS IN GENERAL ROUTING INDICATED WHILE COORDINATING WITH EXISTING BUILDING ELEMENTS ABOVE CEILING.
- 6 PC TO VERIFY EXISTING VENT STACK/PIPING IN FIELD AND EXTEND NEW 2"V TO WORKABLE LOCATION FOR NEW CONNECTION.
- 7 SHOULD ALTERNATE BID #3 NOT BE ACCEPTED AND ALTERNATE BID #1 GET ACCEPTED, PC SHOULD CONNECT TO SAME LOCATION ON EXISTING CW MAIN BUT ROUTE 1"CW DOWN IN BACK-RIGHT CORNER OF NEW STUD WALL BEHIND CASEWORK. PC TO PROVIDE CORE OR FLOOR CUT AND FOUNDATION WALL CUT-OUT AS REQUIRED TO FEED NEW 1" WATER LINE INTO SPACE AND COORDINATE INSTALLATION WITH RELATED GENERAL WORK SAME AREA.



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% Bid Set

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

SHEET TITLE:  
WING B PARTIAL  
PLUMBING PLAN

SHEET NUMBER:

P-107

SHEET 128 OF 197  
ISSUE DATE: 08/15/2024



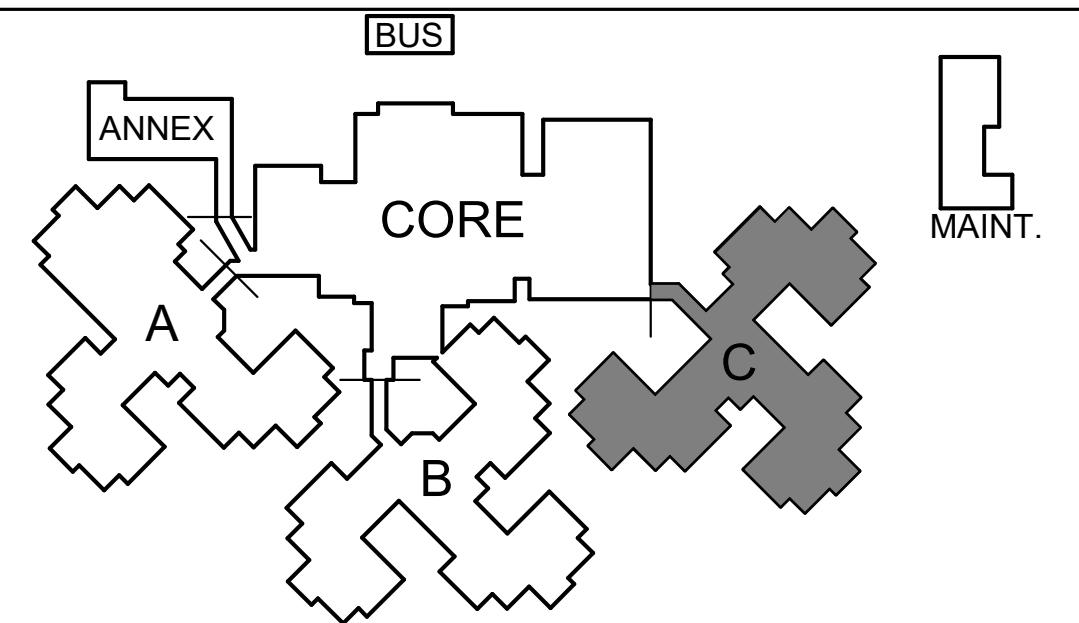


GENERAL NOTES

- A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
- B. ALL PLUMBING WORK IS TO BE PERFORMED BY A LICENSED PLUMBER IN THE STATE OF MISSOURI AND CONFORM TO THE INTERNATIONAL PLUMBING CODE AS ADOPTED BY THE STATE.
- C. SEE WRITTEN SPECIFICATIONS FOR ADDITIONAL PLUMBING MATERIAL AND EQUIPMENT CRITERIA RELATED TO THIS PROJECT.

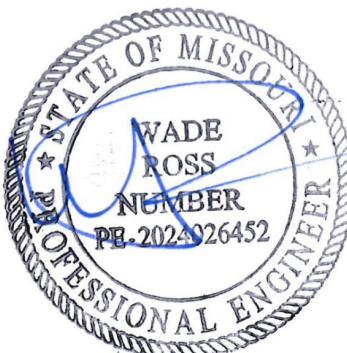
KEYNOTES

- 1 PC TO VERIFY EXISTING SANITARY WASTE PIPE MATERIAL IN FIELD AND MAKE NEW CONNECTION WITH NO-HUB ADAPTERS MANUFACTURED FOR SUCH CONNECTION.
- 2 PC TO PROVIDE INSTALLATION OF PIPING AND BACKFILL. GC TO PATCH FLOOR FLUSH WITH EXISTING.
- 3 PC TO MAKE NEW CONNECTION TO EXISTING HW/CW MAINS IN GENERAL LOCATION INDICATED ABOVE SUSPENDED CEILING. DISCONNECT HWC AND EXTEND CLOSER TO NEW TOILET ROOMS IN GENERAL ROUTING INDICATED WHILE COORDINATING WITH EXISTING BUILDING ELEMENTS ABOVE CEILING.
- 4 PC TO VERIFY EXISTING VENT STACK/PIPING IN FIELD AND EXTEND NEW 2"V TO WORKABLE LOCATION FOR NEW CONNECTION.
- 5 PC TO MAKE NEW CONNECTIONS ABOVE SUSPENDED CEILING AND EXTEND TO NEW SINK.
- 6 PC TO COORDINATE WITH GC TO GAIN ADEQUATE ACCESS IN WALL FOR ROUGH-IN OF NEW SINK. GC TO PROVIDE WALL PATCH.
- 7 COORDINATE FLOOR DRAIN LOCATION WITH MC TO MINIMIZE FLOOR LEVEL CONDENSATE RUN.
- 8 PROVIDE FLOOR DRAIN IN MECHANICAL ROOM C321 FOR MECHANICAL EQUIPMENT. COORDINATE DRAIN LOCATION WITH MECHANICAL EQUIPMENT LOCATION, REFER TO MECHANICAL PLANS.

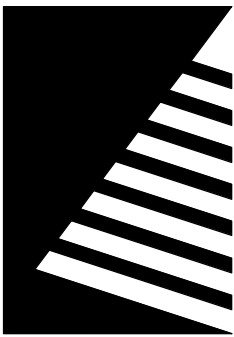


KEY PLAN  
SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% Bid Set

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

SHEET TITLE:  
WING C PARTIAL  
PLUMBING PLAN

SHEET NUMBER:

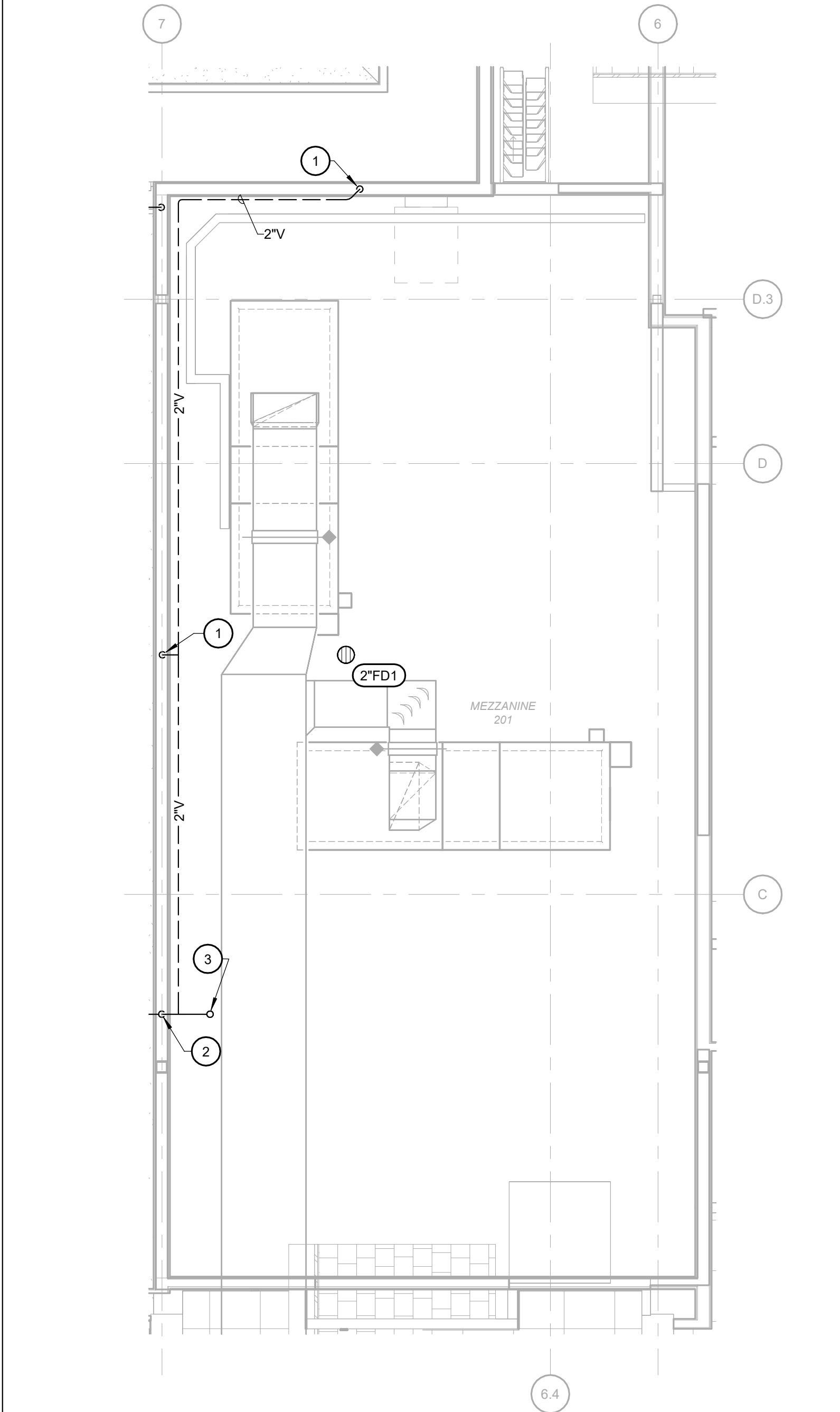
P-108

SHEET 129 OF 197  
ISSUE DATE: 08/15/2024





8/14/2024 4:33:08 PM



**MEZZANINE ENLARGED  
PLUMBING PLAN**  
Scale: 1/4" = 1'-0"



**GENERAL NOTES**

A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.

B. ALL PLUMBING WORK IS TO BE PERFORMED BY A LICENSED PLUMBER IN THE STATE OF MISSOURI AND CONFORM TO THE INTERNATIONAL PLUMBING CODE AS ADOPTED BY THE STATE.

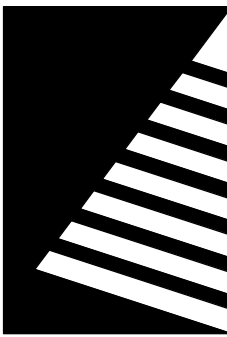
C. SEE WRITTEN SPECIFICATIONS FOR ADDITIONAL PLUMBING MATERIAL AND EQUIPMENT CRITERIA RELATED TO THIS PROJECT.

KEYNOTES	#
1	2"V FFB
2	3"V FFB
3	3"V UP; 4"VTR

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



**Farnsworth  
GROUP**  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% Bid Set**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043

#	DATE:	DESCRIPTION:
---	-------	--------------

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

SHEET TITLE:  
**PARTIAL ENLARGED  
PLUMBING PLANS**

SHEET NUMBER:  
**P-401**  
SHEET 130 OF 197  
ISSUE DATE: 08/15/2024



PLUMBING FIXTURE SCHEDULE					
PLAN MARK	FIXTURE DESCRIPTION AND REMARKS	MINIMUM INDIVIDUAL LINE SIZES			
		COLD WATER	HOT WATER	WASTE	VENT
SK1	SINK - ADA DOUBLE BOWL STAINLESS STEEL, UNDERMOUNT MANUFACTURERS: PROVIDE FIXTURE EQUIVALENT TO JUST MFG. MODEL No UDADA1832A55-J, OR APPROVED FIXTURE - COMMERCIAL GRADE EQUIVALENT BY ELKAY, AMERICAN STANDARD, OR KOHLER. DESCRIPTION: DOUBLE BOWL 30-3/4" x 18-1/2" x 5-3/8" 18-GAUGE 304 STAINLESS STEEL UNDERMOUNT SINK WITH STAINESS SATIN FINISH AND REAR OFFSET DRAINS. FAUCET - MANUAL - WRISTBLADE HANDLES, GOOSENECK SPOUT MANUFACTURERS: PROVIDE FAUCET EQUIVALENT TO CHICAGO FAUCETS MODEL No.200-AGN8AE3-317AB OR APPROVED EQUIVALENT BY ADVANCE TABCO, T&S BRASS, OR ZURN. FAUCET DESCRIPTION: CENTERSET, FIXED COMMERCIAL BRASS BODY (CONCEALED UNDER DECK); CHROME PLATED; 13.125"H x 8" (7.4" OUTLET TO DECK) GOOSENECK/SWING SPOUT WITH 2.2 GPM AERATOR; COMPRESSION MANUAL OPERATION WITH CERAMIC CARTRIDGES, DECK/EXPOSED MOUNTING 4-INCH WRISTBLADE HANDLES INCLUDING HOT AND COLD INDICATORS; AND SIDE SPRAY. COORDINATE 1/2" NPSM FAUCET INLETS WITH SUPPLIES AND FIXTURE HOLE PUNCHINGS; COORDINATE OUTLET WITH SPOUT AND FIXTURE RECEPTOR. SUPPLY FITTINGS: CHROME PLATED SOFT COPPER TUBE, OR BRAIDED STAINLESS STEEL FLEXIBLE RISERS WITH COMPRESSION INLET AND OUTLET COMPONENTS COMPATIBLE WITH FAUCET AND STOPS, (AND POINT-OF-USE TMV WHERE INDICATED ON PLANS); COMMERCIAL GRADE CHROME PLATED BRASS QUARTER TURN BALL-TYPE, OR COMPRESSION ANGLE VALVE STOPS WITH INLET MATCHING SUPPLY PIPING AND LOOSE KEY HANDLES. SUPPLY STOPS FOR SINK AND ONE EXTRA STOP COMPATIBLE WITH DISH MACHINE WHERE APPLICABLE. WASTE FITTINGS: 3.375" CHROME PLATED DRAIN AND CRUMB CUP ASSEMBLY. ASME 112.15.2 STANDARD; GRID DRAIN WITH 1.5" STRAIGHT TAILPIECE; 1.5" CHROME PLATED 17 GAUGE TWO-PIECE P-TRAP AND SWIVEL ELBOW WITH TUBULAR WASTE TO WALL. COORDINATE 1.5" x 1.25" TRAP ADAPTOR ROUGH-IN WITH CHROME PLATED BRASS WALL FLANGE.	1/2"	1/2"	1 1/2"	1 1/2"
SK2	SINK - ADA SINGLE BOWL STAINLESS STEEL, UNDERMOUNT MANUFACTURERS: PROVIDE FIXTURE EQUIVALENT TO JUST MFG. MODEL No USADA1824A55-J, OR APPROVED FIXTURE - COMMERCIAL GRADE EQUIVALENT BY ELKAY, AMERICAN STANDARD, OR KOHLER. DESCRIPTION: SINGLE BOWL 23-1/2" x 18-1/4" x 5-3/8" 18-GAUGE 304 STAINLESS STEEL UNDERMOUNT SINK WITH STAINESS SATIN FINISH AND REAR OFFSET DRAIN. FAUCET - ADA, MANUAL - WRISTBLADE HANDLES, GOOSENECK SPOUT MANUFACTURERS: PROVIDE FAUCET EQUIVALENT TO CHICAGO FAUCETS MODEL No.200-AGN8AE3-317AB OR APPROVED EQUIVALENT BY ADVANCE TABCO, T&S BRASS, OR ZURN. FAUCET DESCRIPTION: CENTERSET, FIXED COMMERCIAL BRASS BODY (CONCEALED UNDER DECK); CHROME PLATED; 13.125"H x 8" (7.4" OUTLET TO DECK) GOOSENECK/SWING SPOUT WITH 2.2 GPM AERATOR; COMPRESSION MANUAL OPERATION WITH CERAMIC CARTRIDGES, DECK/EXPOSED MOUNTING 4-INCH WRISTBLADE HANDLES INCLUDING HOT AND COLD INDICATORS; AND SIDE SPRAY. COORDINATE 1/2" NPSM FAUCET INLETS WITH SUPPLIES AND FIXTURE HOLE PUNCHINGS; COORDINATE OUTLET WITH SPOUT AND FIXTURE RECEPTOR. SUPPLY FITTINGS: CHROME PLATED SOFT COPPER TUBE, OR BRAIDED STAINLESS STEEL FLEXIBLE RISERS WITH COMPRESSION INLET AND OUTLET COMPONENTS COMPATIBLE WITH FAUCET AND STOPS, (AND POINT-OF-USE TMV WHERE INDICATED ON PLANS); COMMERCIAL GRADE CHROME PLATED BRASS QUARTER TURN BALL-TYPE, OR COMPRESSION ANGLE VALVE STOPS WITH INLET MATCHING SUPPLY PIPING AND LOOSE KEY HANDLES. SUPPLY STOPS FOR SINK AND ONE EXTRA STOP COMPATIBLE WITH DISH MACHINE WHERE APPLICABLE. WASTE FITTINGS: 3.5" CHROME PLATED DRAIN AND CRUMB CUP ASSEMBLY. ASME 112.15.2 STANDARD; GRID DRAIN WITH 1.5" OFFSET TAILPIECE; 1.5" CHROME PLATED 17 GAUGE TWO-PIECE P-TRAP AND SWIVEL ELBOW WITH TUBULAR WASTE TO WALL. COORDINATE 1.5" x 1.25" TRAP ADAPTOR ROUGH-IN WITH CHROME PLATED BRASS WALL FLANGE.	1/2"	1/2"	1 1/2"	1 1/2"
SK2A	BARBER SINK - SINGLE COMPARTMENT, FLOOR/WALL MOUNTED DESCRIPTION: RELOCATE FIXTURE, ACCESSORIES, AND SEDIMENT TRAP FROM EXISTING BARBER AREA TO LOCATION INDICATED ON PLANS. PROVIDE NEW 17GAUGE PVC TUBULAR WASTE, STOPS AND RISERS FOR NEW LOCATION. COORDINATE ROUGH-IN REQUIREMENTS WITH FIXTURE WALL BOX.	1/2"	1/2"	1 1/2"	1 1/2"

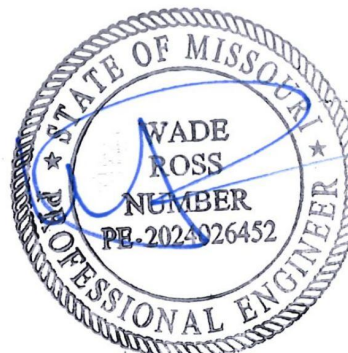
REVERSE OSMOSIS UNIT SCHEDULE													
PLAN MARK	MANUFACTURER	MODEL	TYPE	LOCATION	SERVICE	CONN. SIZE (IN.)	FLOW (GPM)	PRODUCTION RATE (GAL/DAY)	PHYSICAL DATA				REMARKS
									W (IN.)	D (IN.)	H (IN.)	WT. (LB.)	
ROU1	PENTAIR EVERPURE	EV9977-00 CONSERV	IN-LINE	SEE PLANS	ESPRESSO & COFFEE.	3/8	0.5	50	16.97	10.37	18.69	53	SEE NOTES BELOW
NOTES: 1. PROVIDE PRE-ASSEMBLED (SEPARATE MEMBRANE TANK ACCEPTABLE UPON REVIEW/APPROVAL) REVERSE OSMOSIS SYSTEM AS SCHEDULED ABOVE OR APPROVED EQUIVALENT BY APEK, OLYMPIA, PENTEK, WATTS, OR WECO. SYSTEM SHALL INCLUDE: PRE-TREATMENT CARBON FILTER; HIGH EFFICIENCY RO MEMBRANE CARTRIDGE, ONBOARD RO WATER STORAGE TANK; POST-TREATMENT CALCITE FEEDER AND BLENDING VALVE TO BALANCE EFFLUENT WATER MINERAL CONTENT; AND POST CARBON FILTER CARTRIDGE. 2. COORDINATE WALL BACKING MATERIAL ADEQUATE FOR SUPPORTING RO SYSTEM UTILIZING WALL ANCHORS COMPATIBLE WITH RO FRAME MOUNTING PROVISIONS AND SELECTED WALL BACKING. 3. INSTALL CARTRIDGES AND START-UP IN PRESENCE OF OWNER'S REPRESENTATIVE ACCORDING TO APPROVED MANUFACTURER'S WRITTEN INSTRUCTIONS. 4. PROVIDE (2) EXTRA CARTRIDGES OF EACH TYPE AND SUPPLIER DATA TO OWNER'S REPRESENTATIVE. 5. ALL WETTED COMPONENTS SHALL BE NSF CERTIFIED AND APPROVED FOR USE WITH POTABLE WATER SYSTEMS. 6. PROVIDE A 120V STANDARD RECEPTACLE NEAR UNIT.													

CLEANOUT SCHEDULE			
PLAN MARK	MAKE/MODEL	LOCATION	REMARKS
FCO1	ZURN Z1400-BZ WADE J.R. SMITH	FINSHED & CONCRETE FLOORS	ADJUSTABLE LEVELING COATED CAST IRON BODY FLOOR CLEANOUT WITH WATERTIGHT ABS TAPERED PLUG, NO-HUB BOTTOM OUTLET, AND 5" DIAMETER SCORIATED POLISHED NICKEL BRONZE TOP.
WCO1	ZURN Z1468 WADE J.R. SMITH	FINISHED ROOMS	ROUND STAINLESS STEEL WALL ACCESS COVER COMPLETE WITH SECURING SCREW AND BROZE RAISED HEX HEAD PLUG COMPATIBLE WITH THREADED FEMALE COUPLING. EXCEPTION: THREADED PVC PLUG MAY BE UTILIZED WHERE CLEANOUT IS LOCATED ON RISER EXPOSED TO SITE.

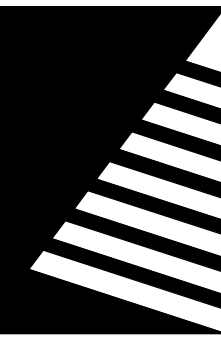
PLUMBING FIXTURE SCHEDULE							
PLAN MARK	FIXTURE DESCRIPTION AND REMARKS	MINIMUM INDIVIDUAL LINE SIZES				ELECTRICAL DATA	
		COLD WATER	HOT WATER	WASTE	VENT	V/PH	FLA
L1	STANDARD/ADA WALL-MOUNTED LAVATORY WITH MANUAL FAUCET MANUFACTURERS: PROVIDE FIXTURE EQUIVALENT TO KOHLER MODEL No.K-2032 OR APPROVED COMMERCIAL GRADE EQUIVALENT BY AMERICAN STANDARD, BRIGGS, CRANE, GERBER, MANSFIELD, TOTO, OR ZURN. FIXTURE: ADA COMPLIANT RECTANGULAR 20.75"W x 18.25"D WHITE VITREOUS CHINA, WALL-MOUNT LAVATORY WITH: INTEGRAL BACKSPLASH (4" HIGH MIN.) AND RAISED PERIMETER; (3) 1.25"DIA. FAUCET HOLE DECK PUNCHINGS 2" ON CENTERS, AND CENTERED ON FIXTURE; 1.75" BOTTOM DRAIN HOLE, AND DRILLINGS FOR CONCEALED ARM CARRIER (SEE BELOW), MOUNT AT STANDARD, OR ADA COMPLIANT HEIGHT AS INDICATED ON PLANS. REFERENCE ARCHITECTURAL PLANS AND ELEVATIONS FOR DIMENSIONS. CARRIER: ASME A112.6.1M TYPE-II, CONCEALED ARM LAVATORY CARRIER WITH RECTANGULAR STEEL UPRIGHTS. MANUAL - WRISTBLADE HANDLES, GOOSENECK SPOUT FAUCET MANUFACTURERS: PROVIDE FAUCET EQUIVALENT TO CHICAGO FAUCETS MODEL No.895-317E28XKABCP OR APPROVED EQUIVALENT BY GROEHE T&S BRASS, OR ZURN. FAUCET: CENTERSET COMMERCIAL BRASS BODY; CHROME PLATED; 2.2 GPM AERATOR; DECK/EXPOSED MOUNTING; 4-INCH INDEXED VANDAL-PROOF WRISTBLADE HANDLES, 9.625"H GOOSENECK/SWING SPOUT; COMPRESSION MANUAL OPERATION WITH CERAMIC CARTRIDGES, INCLUDE HOT AND COLD INDICATOR; COORDINATE FAUCET INLETS WITH SUPPLIES AND FIXTURE HOLE PUNCHINGS; COORDINATE OUTLET WITH SPOUT AND FIXTURE RECEPTOR. SUPPLY FITTINGS: CHROME PLATED SOFT COPPER TUBE, OR CORRUGATED STAINLESS STEEL; CHROME PLATED BRASS ESCUTCHEON; FLEXIBLE RISERS WITH COMPRESSION INLET AND OUTLET COMPONENTS COMPATIBLE WITH FAUCET AND STOPS, (AND POINT-OF-USE TMV WHERE INDICATED ON PLANS); COMMERCIAL GRADE CHROME PLATED BRASS QUARTER TURN BALL-TYPE, OR COMPRESSION ANGLE VALVE STOPS WITH INLET MATCHING SUPPLY PIPING AND LOOSE KEY HANDLES. WASTE FITTINGS: ASME 112.15.2 STANDARD; GRID DRAIN WITH 1.25" OFFSET (ADA), OR STRAIGHT TAILPIECE; 1.25" CHROME PLATED 17 GAUGE TWO-PIECE P-TRAP AND SWIVEL ELBOW WITH TUBULAR WASTE TO WALL. COORDINATE 1.5" x 1.25" TRAP ADAPTOR ROUGH-IN WITH CHROME PLATED BRASS WALL FLANGE. PROVIDE WITH THERMOSTATIC MIXING VALVE EQUAL TO WATTS #LFMMV AND SET OUTLET TO 105°F.	1/2"	1/2"	1 1/4"	1 1/2"		
WC1	ADA COMPLIANT FLOOR-MOUNTED, BOTTOM OUTLET, TOP SPUD WATER CLOSET MANUFACTURERS: PROVIDE FIXTURE EQUIVALENT TO KOHLER MODEL No.K-96057-SS OR APPROVED COMMERCIAL GRADE EQUIVALENT BY AMERICAN STANDARD, BRIGGS, CRANE, GERBER, MANSFIELD, TOTO, OR ZURN. BOWL: VITREOUS CHINA, SIPHON JET, FLUSHOMETER VALVE STYLE, 17" MINIMUM FLOOR TO RIM ADA COMPLIANT HEIGHT; ELONGATED, 1.6 GPF, NPS-1 1/2" TOP SPUD, WHITE COLOR, AND BOTTOM OUTLET (10" OR 12" ROUGH-IN) ASTM A 1045 BOWL-TO-DRAIN CONNECTION FITTING. INCLUDE ANSI Z124.5 ANTI-MICROBIAL COMMERCIAL ELONGATED WHITE TOILET SEAT WITHOUT COVER HAVING OPEN FRONT, SELF-SUSTAINING CHECK HINGE. ADA COMPLIANT MANUAL - LEVER HANDLE, PISTON FLUSHOMETER VALVE MANUFACTURERS: PROVIDE AMERICAN STANDARD MODEL No.6047.161.002 (NO EXCEPTIONS AS STANDARDIZED THROUGHOUT FACILITY). VALVE: EXPOSED CHROME PLATED BRASS BODY, ASSE 1037, FIXED-VOLUME (1.6 GPF) PISTON WITH O-RING BY-PASS, NPS 11IPS SCREWDRIVER BAK-CHECK ANGLE STOP, INLET CENTERED 11" ABOVE FIXTURE RIM, AND NPS 1 1/4" MINIMUM OUTLET, ALL EXPOSED COMPONENTS AND ESCUTCHEON TO BE CHROME PLATED. INSTALL WITH NON-HOLD OPEN LEVER HANDLE TO WIDE SIDE OF STALL.	1 1/4"	N/A	4"	2" MIN. (SEE PLANS)		
WC2	SAME AS WC1 EXCEPT WITH BEDPAN WASHER FLUSH VALVE-1-1/2" TOP SPUD KIT WITH BEDPAN WASHER, OFFSET DOWN TUBE, AND 1.6 GPF PISTON-OPERATED MANUAL FLUSH VALVE. MANUFACTURERS: AMERICAN STANDARD MODEL No.6047.861.002 OR APPROVED COMMERCIAL GRADE EQUIVALENT BY SLOAN OR ZURN.	1 1/4"	N/A	4"	2" MIN. (SEE PLANS)		
SC1	SILLCOCK - NON-FREEZE KEY OPERATED WITH 1 5/8 INCH BRASS CASTINGS, BRASS OPERATING MECHANISM, ADJUSTABLE LOCK NUT, REMOVABLE NYLON SEAT, NICKEL BRASS DEEP BOX WITH KEY HANDLE, INTEGRAL ANTI-SIPHON, NON-FREEZE VACUUM BREAKER AND WALL CLAMP. ACCEPTABLE MANUFACTURERS: WOODFORD (B67), WADE, JOSAM, ZURN. LENGTH OF WALL CLAMP AS REQUIRED BY WALL CONSTRUCTION AND ALL OTHER MOUNTING AS REQUIRED BY MANUFACTURER.	3/4"	N/A	N/A	N/A		

WATER FILTER SCHEDULE														
PLAN MARK	MANUFACTURER	MODEL	TYPE	LOCATION	SERVICE	QUANTITY	CONN. SIZE (IN.)	FLOW (GPM)	SINGLE OR MULTI-CARTRIDGE	PHYSICAL DATA				REMARKS
										W (IN.)	D (IN.)	H (IN.)	WT. (LB.)	
WF1	EVERPURE	EV9330-42	IN-LINE	SEE PLANS	BEVERAGE ICE	2	3/4"	3.34	MULTI	28.5	6.74	25.29		SEE NOTES BELOW
NOTES:	1. COMMERCIAL GRADE FILTER HEAD WALL-MOUNT ASSEMBLY INCLUDING; MOUNTING BOX BRACKET; BUILT-IN WATER INLET AND FLUSHING VALVE; BUILT-IN WATER GAUGES; AND NSF TESTED WETTED PARTS. FILTERS ARRANGED WITH PREFILTER AT INLET, TWO MC TASTE/ODOR FILTERS, AND POST SR-X SCALE INHIBITING FILTER. PC TO INSTALL AND FLUSH AT START-UP PER MANUFACTURER'S RECOMMENDATIONS. FOR EACH LOCATION INCLUDE (2) EXTRA FILTER CARTRIDGES OF EACH OF THE FOLLOWING: EVERPURE No.EV9534-26 PREFILTER, No.EV9612-56 0.20 MICRON MC SERIES TASTE/ODOR FILTER, AND EV9799-32 SCALE/ICE FILTER. INSTALL FILTER ASSEMBLY WITH CENTERLINE OF INLET 42 INCHES ABOVE FINISHED FLOOR AT LOCATION INDICATED ON PLANS.													

DRAIN SCHEDULE		
PLAN MARK	MAKE/MODEL	DESCRIPTION REMARKS
FD1	ZURN Z415B WADE J.R. SMITH	COATED CAST IRON BODY FLOOR DRAIN WITH NO-HUB BOTTOM OUTLET, COMBINATION INVERTABLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND 6"DIAMETER POLISHED NICKEL BRONZE STRAINER. OUTLET SIZE AS INDICATED ON DRAWINGS. COORDINATE WITH GENERAL TRADE TO ASSURE DRAIN IS INSTALLED CENTERED IN MINIMUM 3 FOOT DIAMETER FLOOR SUMP AND LOWER THAN ADJACENT FLOOR LEVEL.



08/15/2024



## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

### 100% Bid Set

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KJJ  
CHECKED BY: WR  
DESIGNED BY: RRO

SHEET TITLE:

## PLUMBING SCHEDULES

SHEET NUMBER:

# P-601

SHEET 131 OF 197  
ISSUE DATE: 08/15/2024



MECHANICAL SYMBOLS & ABBREVIATIONS			
NOTE: NOT ALL MAY BE USED ON THIS PROJECT			
ANNOTATION ABBREVIATIONS		HYDRONIC SYMBOLOGY	
AC	ABOVE CEILING/AIR CONDITIONER	GRH	GAS RADIANT HEATER
ACC	AIR COOLED CONDENSER	GS	GLYCOL SUPPLY
AF	AIR FILTER	GUH	GAS UNIT HEATER
AFF	ABOVE FINISHED FLOOR	HU	HUMIDIFIER
AHU	AIR HANDLING UNIT	HC	HEATING COIL
AL	ALUMINUM	HCWR	DUAL TEMPERATURE RETURN
AMS	AIR MEASURING STATION	HCWS	DUAL TEMPERATURE SUPPLY
AS	AIR SEPARATOR	HP	HEAT PUMP
AV	AUTOMATIC AIR VENT	HPR	HIGH PRESSURE STEAM RETURN
B	BOILER	HPS	HIGH PRESSURE STEAM SUPPLY
BAS	BUILDING AUTOMATION SYSTEM	HRC	HEAT RECOVERY COIL
BDD	BACKDRAFT DAMPER	HRV	HEAT RECOVERY VENTILATOR (SENSIBLE)
BFC	BELOW FINISHED CEILING	HS	HUMIDITY SENSOR
BFP	BACKFLOW PREVENTION DEVICE	HWP	HOT WATER PUMP
BJ	BETWEEN JOISTS	HWR	HOT WATER RETURN
BOD	BOTTOM OF DUCT	HWS	HOT WATER SUPPLY
BOP	BOTTOM OF PIPE	HX	HEAT EXCHANGER
BTUH	BRITISH THERMAL UNITS PER HOUR	ISP	INTERNAL STATIC PRESSURE
CA	COMPRESSED AIR	KH	KITCHEN HOOD - COMMERCIAL
CBS	COUNTER BALANCED SHUTTER	L	LOUVER
CC	COOLING COIL	LPR	LOW PRESSURE STEAM RETURN
CF	CEILING / CIRCULATING FAN	LPS	LOW PRESSURE STEAM SUPPLY
CFM	CUBIC FEET PER MINUTE	MA	MIXED AIR
CH	CHILLER	MAU	MAKEUP AIR UNIT
CHP	CHILLED WATER PUMP	MBH	THOUSANDS OF BTU PER HOUR
CHR	CHILLED WATER RETURN	MC	MECHANICAL CONTRACTOR
CHS	CHILLED WATER SUPPLY	MD	MOTORIZED DAMPER
CNV	CONVECTOR	MS	MOTORIZED SHUTTER
COND	CONDENSATE	NTS	NOT TO SCALE
CP	CONDENSATE PUMP	OA	OUTDOOR AIR
CRAC	COMPUTER ROOM AIR CONDITIONER	OBD	OPPOSED BLADE DAMPER
CT	COOLING TOWER	P	PUMP
CU	CONDENSING UNIT	PC	PLUMBING CONTRACTOR
CUH	CABINET UNIT HEATER	PBD	PARALLEL BLADE DAMPER
CV	CONTROL VALVE	PDH	POOL ROOM DEHUMIDIFIER
CW	DOMESTIC COLD WATER	PRV	PRESSURE RELIEF VALVE
CWP	CONDENSER WATER PUMP	PS	PRESSURE SWITCH
CWR	CONDENSER WATER RETURN	PSI	POUNDS PER SQUARE INCH
CWS	CONDENSER WATER SUPPLY	PTAC	PACKAGED TERMINAL AIR CONDITIONER
DAC	DOOR AIR CURTAIN	RA	RETURN AIR
DC	DRY COOLER	RF	RETURN AIR FAN
DH	DEHUMIDIFIER	RG	RETURN GRILLE (LESS DAMPER)
DN	DOWN	RH	ROOF HOOD
DOAS	DEDICATED OUTDOOR AIR SYSTEM	RHC	REHEAT COIL
DP	DIFFERENTIAL PRESSURE	RLFA	RELIEF AIR
DS	DUCT SILENCER	RP	RADIANT PANEL
DSU	DUCTLESS SPLIT UNIT	RPZ	REDUCED PRESSURE BFP
DX	DX COOLING COIL	RR	RETURN REGISTER (WITH DAMPER)
EA	EXHAUST AIR	RTU	ROOFTOP AIR HANDLING UNIT
EBB	ELECTRIC BASEBOARD HEATER	SA	SUPPLY AIR
EC	ELECTRICAL CONTRACTOR	SAS	SELF-ACTING SHUTTER
EF	EXHAUST FAN	SD	SUPPLY DIFFUSER/SMOKE DAMPER
EG	EXHAUST GRILLE (LESS DAMPER)	SF	SUPPLY FAN / SQUARE FOOT
EHC	ELECTRIC HEATING COIL	SFD	SMOKE/FIRE DAMPER
EL	ELEVATION	SG	SUPPLY GRILLE
ER	EXHAUST REGISTER	SR	SUPPLY REGISTER
ERP	ELECTRIC RADIANT PANEL	TCAC	TEMP. CONTROL AIR COMPRESSOR
ERV	ENERGY RECOVERY VENTILATOR	TCAD	TEMP. CONTROL AIR DRYER
ESP	EXTERNAL STATIC PRESSURE	TDV	TRIPLE DUTY VALVE
ET	EXPANSION TANK	TFA	TO FLOOR ABOVE
EUH	ELECTRIC UNIT HEATER	TFB	TO FLOOR BELOW
FA	FRESH AIR	TJ	THROUGH JOISTS
FCU	FAN COIL UNIT	TOD	TOP OF DUCT
FD	FIRE DAMPER	TOP	TOP OF PIPE
FDC	FLEXIBLE DUCT CONNECTION	TSP	TOTAL STATIC PRESSURE
FFA	FROM FLOOR ABOVE	UC	UNIT COOLER
FFB	FROM FLOOR BELOW	UFD	UNDERFLOOR DUCT
FPC	FLEXIBLE PIPE CONNECTION	UFT	UNDERFLOOR FAN TERMINAL
FPT	FAN POWERED AIR TERMINAL	UH	UNIT HEATER
FT	FINNED TUBE RADIATION	UV	UNIT VENTILATOR
GC	GENERAL CONTRACTOR	VAV	VARIABLE AIR VOLUME TERMINAL
GF	GAS FURNACE	VD	VOLUME DAMPER
GIH	GRAVITY INTAKE HOOD	VFD	VARIABLE FREQUENCY DRIVE
GPM	GALLONS PER MINUTE	VRP	VERTICAL RADIANT PANEL
GR	GLYCOL RETURN	WAC	WINDOW / WALL AIR CONDITIONER

MECHANICAL GENERAL NOTES			
COMMON REQUIREMENTS			
A. THIS FACILITY HAS BEEN DESIGNATED A "SMOKE-FREE" ENVIRONMENT. NO MECHANICAL VENTILATION PROVISIONS HAVE BEEN MADE TO ACCOMMODATE TOBACCO USAGE BY THE BUILDING OCCUPANTS.			
B. ALL MECHANICAL SYSTEMS SHALL BE INSTALLED TO THE SATISFACTION OF THE LOCAL CODE AUTHORITIES HAVING JURISDICTION.			
C. EVERY ATTEMPT HAS BEEN MADE TO COORDINATE THE ROUTING OF DUCTWORK WITHIN THE WOOD TRUSSED ATTIC SPACE. ACTUAL LOCATION OF TRUSS WEBS HOWEVER CAN NOT BE DETERMINED UNTIL FABRICATION DRAWINGS ARE SUBMITTED FOR REVIEW. WHERE POSSIBLE, REFRAIN FROM PREFABRICATING DUCTWORK DESIGNATED FOR INSTALLATION WITHIN THE ATTIC UNTIL ROOF FRAMING IS IN PLACE AND ACTUAL STRUCTURAL CONDITIONS CAN BE FIELD VERIFIED.			
MECHANICAL EQUIPMENT INSTALLATION			
A. INSTALL EQUIPMENT TO ALLOW MAXIMUM POSSIBLE HEADROOM UNLESS SPECIFIC MOUNTING HEIGHTS ARE INDICATED.			
B. INSTALL EQUIPMENT LEVEL AND PLUMB, PARALLEL AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS IN EXPOSED INTERIOR SPACES, UNLESS OTHERWISE INDICATED.			
C. INSTALL HVAC EQUIPMENT TO FACILITATE SERVICE, MAINTENANCE, AND REPAIR OR REPLACEMENT OF COMPONENTS. CONNECT EQUIPMENT FOR EASE OF REMOVAL, WITH MINIMUM INTERFERENCE TO OTHER INSTALLATIONS.			
D. ALL MECHANICAL EQUIPMENT WITH THE EXCEPTION OF AIR HANDLING UNITS, SUPPORTED FROM FLOOR STRUCTURE SHALL BE MOUNTED ON 4" THICK CONCRETE HOUSEKEEPING PADS UNLESS NOTED OTHERWISE. AIR-HANDLING UNITS SHALL BE MOUNTED ON 6" THICK CONCRETE HOUSEKEEPING PADS TO ACCOMMODATE PROPER TRAPPING OF THE CONDENSATE DRAIN.			
E. AIR FILTERS SHALL BE REPLACED IN ALL AIR HANDLING EQUIPMENT EMPLOYING SUCH PRIOR TO FINAL COMPLETION AND OWNER OCCUPANCY.			
F. THE INSTALLING CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ALL MECHANICAL EQUIPMENT PUT INTO OPERATION PRIOR TO THE INSTALLATION OF A WORKING CONTROL SYSTEM, TESTING AND BALANCING, AND SUBSTANTIAL COMPLETION. ALL RETURN AND EXHAUST DUCT OPENINGS SHALL BE COVERED WITH ROLL TYPE FILTER MEDIA DURING SUCH TEMPORARY OPERATION. OPERATION OF THE MECHANICAL EQUIPMENT PRIOR TO FINAL COMPLETION SHALL NOT IMPACT THE EQUIPMENT WARRANTY. MINIMUM 1-YEAR FROM SUBSTANTIAL COMPLETION UNLESS SPECIFIED OTHERWISE.			
G. PROVIDE FLEXIBLE DUCT CONNECTION BETWEEN MOTOR DRIVEN MECHANICAL UNITS AND SHEET METAL SUPPLY, OUTDOOR AIR, EXHAUST, AND/OR RETURN AIR DUCTWORK CONNECTIONS.			
H. PROVIDE FLEXIBLE PIPE CONNECTION BETWEEN MOTOR DRIVEN MECHANICAL UNITS AND CONNECTING PIPING.			
I. BASIS OF DESIGN MECHANICAL EQUIPMENT IS AS SCHEDULED ON THE DRAWINGS. INSTALLING CONTRACTOR ASSUMES RESPONSIBILITY FOR COORDINATING PHYSICAL SPACE REQUIREMENTS OF EQUIVALENT CAPACITY MECHANICAL EQUIPMENT DEEMED ACCEPTABLE BY THE ENGINEER.			
J. MECHANICAL EQUIPMENT FACTORY FINISH DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION PRIOR TO FINAL ACCEPTANCE.			
DUCTWORK REQUIREMENTS			
A. DUCTWORK IS SHOWN IN SCHEMATIC FORM. ALL REQUIRED DUCT RISERS AND DROPS TO ALLOW GENERAL ROUTING DEPICTED MAY NOT BE SHOWN. PROVIDE OFFSETS AS REQUIRED TO MEET SPACE REQUIREMENTS AND TO AVOID INTERFERENCE WITH OTHER TRADES AND FIELD CONDITIONS. EXACT LOCATION OF THE DUCTWORK MAY VARY ACCORDING TO THE COORDINATED SPACE REQUIREMENTS. EACH TRADE SHALL BE TOTALLY RESPONSIBLE FOR COORDINATION WITH OTHER TRADES. NOTIFY ENGINEER OF CONDITIONS REPRESENTING SIGNIFICANT CHANGES TO THE DESIGNED ROUTING.			
B. COMPLY WITH NFPA 90A, "INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS," UNLESS OTHERWISE INDICATED.			
C. COMPLY WITH NFPA 90B, "INSTALLATION OF WARM AIR HEATING AND AIR CONDITIONING SYSTEMS," UNLESS OTHERWISE INDICATED.			
D. FABRICATE RECTANGULAR DUCTS, ELBOWS, TRANSITIONS, OFFSETS, BRANCH CONNECTIONS, AND OTHER CONSTRUCTION WITH GALVANIZED, SHEET STEEL ACCORDING TO SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS--METAL AND FLEXIBLE." COMPLY WITH REQUIREMENTS FOR METAL THICKNESS, REINFORCING TYPES AND INTERVALS, TIE-ROD APPLICATIONS, AND JOINT TYPES AND INTERVALS.			
E. COORDINATE SIZE, QUANTITY, AND LOCATION OF ALL OPENINGS REQUIRED FOR DUCT AND PIPE PENETRATIONS THROUGH WALLS, FLOORS, AND ROOFS, WITH CONTRACTOR RESPONSIBLE FOR ROUGH FRAMING. COORDINATE LOCATION OF AIR INTAKES WITH EXHAUST AND PLUMBING VENTS SO THAT INTAKES ARE A MINIMUM OF 10 FEET FROM EXHAUST OPENINGS OR PLUMBING VENTS.			
F. INSTALL DUCTS IN LONGEST LENGTH POSSIBLE AND FEWEST POSSIBLE JOINTS. INSTALL FABRICATED FITTINGS FOR CHANGES IN DIRECTIONS, CHANGES IN SIZE AND SHAPE, AND CONNECTIONS.			
G. INSTALL DUCTS, UNLESS OTHERWISE INDICATED, VERTICALLY AND HORIZONTALLY, PARALLEL AND PERPENDICULAR TO BUILDING LINES; AVOID DIAGONAL RUNS UNLESS SPECIFICALLY INDICATED ON DRAWINGS.			
H. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF CEILING MOUNTED DEVICES. COORDINATE MECHANICAL CEILING DEVICES SUCH AS DIFFUSERS AND REGISTERS WITH LIGHT FIXTURES, SPEAKERS, SPRINKLER HEADS, ETC.			
I. ELECTRICAL EQUIPMENT SPACES: ROUTE DUCTWORK TO AVOID PASSING THROUGH TRANSFORMER VAULTS AND ELECTRICAL EQUIPMENT SPACES AND ENCLOSURES. AVOID ROUTING DUCTWORK DIRECTLY ABOVE ELECTRICAL EQUIPMENT UNLESS SPECIFICALLY INDICATED ON THE MECHANICAL DRAWINGS.			
J. NON-FIRE-RATED PARTITION PENETRATIONS: WHERE DUCTS PASS THROUGH INTERIOR PARTITIONS AND ARE EXPOSED TO VIEW IN MECHANICAL ROOMS, CONCEAL SPACE BETWEEN CONSTRUCTION OPENING AND DUCT OR DUCT INSULATION WITH SHEET METAL FLANGES OF SAME METAL THICKNESS AS DUCT. OVERLAP OPENING ON FOUR SIDES BY AT LEAST 1-1/2 INCHES UNLESS INDICATED OTHERWISE.			
K. FIRE-RATED PARTITION PENETRATIONS: WHERE DUCTS PASS THROUGH INTERIOR PARTITIONS, INSTALL APPROPRIATELY RATED FIRE DAMPER. FIRE DAMPER INSTALLATION MUST STRICTLY ADHERE TO MANUFACTURER'S WRITTEN INSTRUCTIONS.			
L. PROVIDE MANUAL VOLUME-CONTROL BALANCING DAMPER AT ALL BRANCH DUCTS AND AT ALL OTHER LOCATIONS REQUIRED FOR A COMPLETE AND BALANCEABLE AIR DISTRIBUTION SYSTEM.			
M. BALANCE ENTIRE AIR DISTRIBUTION SYSTEM TO AIRFLOW QUANTITIES INDICATED ON MECHANICAL DRAWINGS.			
N. FLEXIBLE DUCTWORK SHALL BE ALLOWED ONLY IN POSITIVE PRESSURE APPLICATIONS AT SUPPLY BRANCH RUNOUTS TO DIFFUSERS ABOVE ACCESSIBLE CEILINGS. FLEXIBLE DUCTWORK SHALL NOT EXCEED 72" IN LENGTH. 90 DEGREE TURNS SHALL ONLY BE ALLOWED IF RETAINING BANDS EQUAL TO THERMAFLEX "FLEX-FLOW" ARE EMPLOYED. UNDER NO CIRCUMSTANCES SHALL FLEXIBLE DUCTWORK BE ALLOWED IN NEGATIVE PRESSURE APPLICATIONS.			

PIPING SYSTEM REQUIREMENTS	
A. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS. INDICATED LOCATIONS AND ARRANGEMENTS WERE USED TO SIZE PIPE AND CALCULATE FRICTION LOSS, EXPANSION, PUMP SIZING, AND OTHER DESIGN CONSIDERATIONS. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED BY ENGINEER.	
B. DELIVER PIPES AND TUBES WITH FACTORY-APPLIED END CAPS. MAINTAIN END CAPS THROUGH SHIPPING, STORAGE, AND HANDLING TO PREVENT PIPE END DAMAGE AND TO PREVENT ENTRANCE OF DIRT, DEBRIS, AND MOISTURE.	
C. COORDINATE PIPE ROUTINGS, CHASES, AND OPENINGS IN BUILDING STRUCTURE WITH ALL TRADES DURING PROGRESS OF CONSTRUCTION. COORDINATE INSTALLATION OF REQUIRED SUPPORTING DEVICES AND SET SLEEVES IN POURED-IN-PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS AS THEY ARE CONSTRUCTED.	
D. INSTALL PIPING IN CONCEALED LOCATIONS, UNLESS OTHERWISE INDICATED AND EXCEPT IN EQUIPMENT ROOMS AND SERVICE AREAS. INSTALL PIPING INDICATED TO BE EXPOSED AND PIPING IN EQUIPMENT ROOMS AND SERVICE AREAS AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE PROHIBITED UNLESS SPECIFICALLY INDICATED OTHERWISE.	
E. INSTALL PIPING ABOVE ACCESSIBLE CEILINGS TO ALLOW SUFFICIENT SPACE FOR CEILING PANEL REMOVAL.	
F. INSTALL PIPING TO PERMIT VALVE SERVICING.	
G. INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS.	
H. INSTALL PIPING TO ALLOW APPLICATION OF INSULATION.	
I. INSTALL ESCUTCHEONS FOR PENETRATIONS OF FINISHED WALLS, CEILINGS, AND FLOORS.	
J. SLEEVES ARE NOT REQUIRED FOR CORE-DRILLED HOLES.	
K. PERMANENT SLEEVES ARE NOT REQUIRED FOR HOLES FORMED BY REMOVABLE PE SLEEVES.	
L. INSTALL SLEEVES FOR PIPES PASSING THROUGH CONCRETE AND MASONRY WALLS AND CONCRETE FLOOR AND ROOF SLABS.	
M. UNDERGROUND, EXTERIOR-WALL PIPE PENETRATIONS: INSTALL CAST-IRON "WALL PIPES" FOR SLEEVES. SEAL PIPE PENETRATIONS USING MECHANICAL SLEEVE SEALS. SELECT SLEEVE SIZE TO ALLOW FOR 1-INCH ANNUAL CLEAR SPACE BETWEEN PIPE AND SLEEVE FOR INSTALLING MECHANICAL SLEEVE SEALS.	
N. FIRE-BARRIER PENETRATIONS: MAINTAIN INDICATED FIRE RATING OF WALLS, PARTITIONS, CEILINGS, AND FLOORS AT PIPE PENETRATIONS. SEAL PIPE PENETRATIONS WITH FIRESTOP MATERIALS.	
O. VERIFY FINAL EQUIPMENT LOCATIONS FOR ROUGHING-IN.	
DEMOLITION	
A. VERIFY EXACT SIZE AND LOCATION OF EXISTING UTILITIES PRIOR TO START OF DEMOLITION WORK.	
B. RELOCATE, REMOVE, AND ADJUST ALL MECHANICAL AND ELECTRICAL ITEMS AS REQUIRED TO ACCOMPLISH SCOPE OF NEW WORK.	
C. EXISTING MECHANICAL ITEMS ARE SHOWN IN SCHEMATIC FORM BASED UPON EXISTING CONSTRUCTION DOCUMENTS AND/OR FIELD INVESTIGATION.	
D. REMOVE EXISTING PIPING AND DUCTWORK BACK TO LAST ACTIVE SERVICE AND CAP.	
E. ---- INDICATES REQUIRED DEMOLITION OF DUCTWORK, PIPING, AND EQUIPMENT.	
F. FIXTURES AND EQUIPMENT INDICATED TO BE REUSED OR SALVAGED SHALL REMAIN THE PROPERTY OF THE OWNER AND BE STORED IN A LOCATION AS DIRECTED BY OWNER'S REPRESENTATIVE.	
G. IN LOCATIONS WHERE EXISTING CONSTRUCTION IS REMOVED AND NO ADDITIONAL CONSTRUCTION IS INDICATED, PATCH EXISTING CONSTRUCTION TO MATCH ADJACENT SURFACES AND FINISHES.	
H. CONNECTIONS TO, AND SHUTDOWNS OF, EXISTING SYSTEMS SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE TO ALLOW MINIMUM INTERFERENCE WITH OWNER'S OPERATION AND DOWNTIME OF EXISTING UTILITIES. CONTRACTOR SHALL SUBMIT TO OWNER FOR REVIEW AND APPROVAL THE PROPOSED PHASING PLAN FOR CONNECTING NEW SERVICES TO EXISTING.	
DRAWN BY: SHR/MD	
CHECKED BY: DAH	
DESIGNED BY: AK	
SHEET TITLE:	
MECHANICAL GENERAL INFORMATION	
DESIGN CONDITIONS	
HVAC DESIGN LOAD CALCULATIONS ARE BASED ON THE FOLLOWING CLIMATE DATA:	
CITY AND STATE: CAPE GIRARDEAU, MISSOURI	
WINTER OUTDOOR AMBIENT DB: 7.4	
SUMMER OUTDOOR AMBIENT DB/WB: 94.7/77	
MECHANICAL SYSTEMS HAVE BEEN DESIGNED BASED UPON THE 2015 INTERNATIONAL MECHANICAL CODE, 2015 INTERNATIONAL ENERGY CONSERVATION CODE, NATIONAL FIRE PROTECTION (NFPA) STANDARDS, ASHRAE STANDARD 170-21 AND AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR-CONDITIONING ENGINEERS (ASHRAE) ACCEPTED STANDARDS AND PRACTICES.	

STATE OF MISSOURI

WADE ROSS

REGISTERED PROFESSIONAL ENGINEER

PE-202626572

08/15/2024

Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #00074-0  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 8603

FACILITY #.: 8136803002

FA#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SHR/MD

CHECKED BY: DAH

DESIGNED BY: AK

SHEET TITLE:

MECHANICAL GENERAL INFORMATION

SHEET NUMBER:

M-001

SHEET 132 OF 197

ISSUE DATE: 08/15/2024

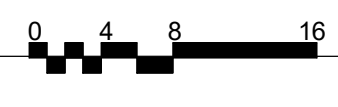


8/15/2024 1:43:05 PM

2

## CENTRAL CORE VENTILATION DEMOLITION PLAN

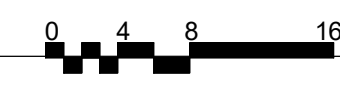
Scale: 3/32" = 1'-0"



1

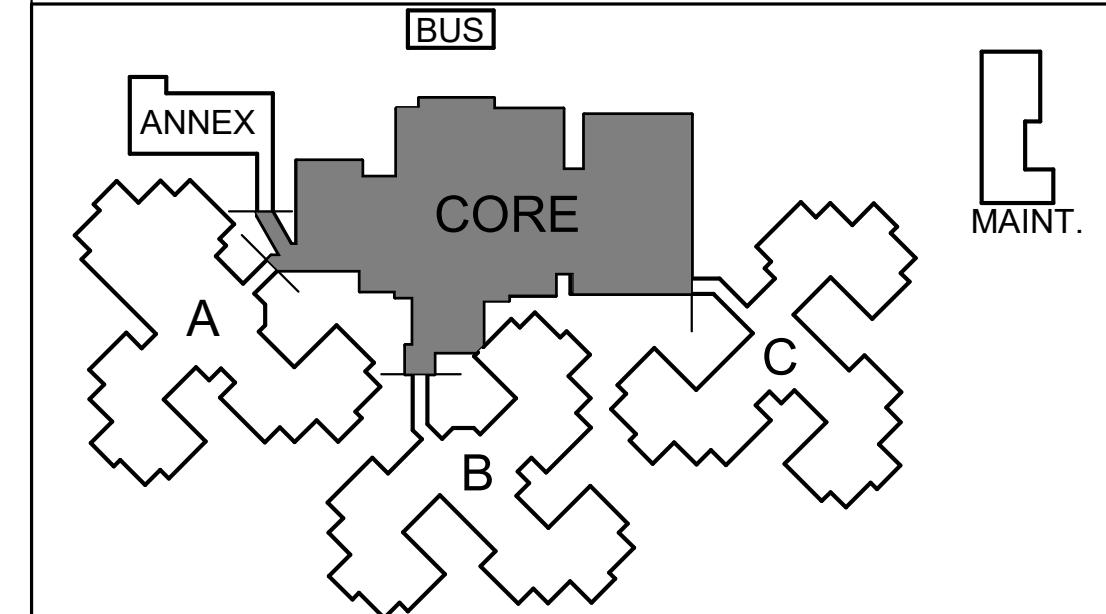
## CENTRAL CORE HYDRONIC DEMOLITION PLAN

Scale: 3/32" = 1'-0"



## KEY PLAN

SCALE: NO SCALE



SHEET NUMBER:

# M-102

SHEET 133 OF 197  
ISSUE DATE: 08/15/2024

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

## CENTRAL CORE MECHANICAL DEMOLITION PLAN

PROJECT #: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043  
# DATE: DESCRIPTION:

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

MISSOURI VETERANS  
COMMISSION

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

08/15/2024

100% BID SET

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

08/15/2024



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR

## GENERAL NOTES

- CONTRACTOR TO PERFORM A PRE-BALANCE ON THE AHUs/FCUs THAT ARE REMAINING AND HAVING DIFFUSER(S) REMOVED, ETC. INCLUDE ALL DIFFUSERS. REVIEW AND RE-BALANCE WHOLE UNIT TO EXISTING CFM IN AREAS UNCHANGED.
- DRAIN ALL HYDRONIC SYSTEMS IN THE PLAN AREA PRIOR TO DEMOLITION WORK. THEN REFILL ALL HYDRONIC SYSTEMS IN THE PLAN AREA PRIOR TO NEW EQUIPMENT START-UPS.

## KEYNOTES

- REMOVE EXISTING FAN COIL UNIT AND ALL ASSOCIATED DUCTWORK, SUPPORTS, VOLUME DAMPERS AND DIFFUSERS. REMOVE ASSOCIATED HYDRONIC AND CONDENSATE PIPING, FITTINGS, VALVES, SUPPORTS, AND CAP AT MAINS. REMOVE ASSOCIATED CONTROL WIRING FROM ACCESSIBLE LOCATIONS AND ABANDON WIRING IN EXISTING WALLS TO REMAIN (SEE ARCHITECTURAL DRAWINGS).
- EXISTING FAN COIL UNIT TO REMAIN.
- EXISTING CONTROL DEVICE TO REMAIN.
- EXISTING CONTROL DEVICE TO BE RELOCATED BY CONTROLS CONTRACTOR. SEE NEW WORK FOR NEW LOCATION.
- EXISTING AIR HANDLING UNIT TO REMAIN.
- REMOVE EXISTING SUPPLY AIR DEVICES AND FLEXIBLE DUCTWORK SHOWN DASHED AND REPLACE IN KIND. EXISTING ASSOCIATED VOLUME DAMPER TO REMAIN. SEE NEW WORK PLANS FOR SIZE AND LOCATION. TYPICAL FOR ALL.
- REMOVE EXISTING RETURN AIR DEVICES SHOWN DASHED AND REPLACE IN KIND. SEE NEW WORK PLANS FOR SIZE AND LOCATION. TYPICAL FOR ALL.
- EXISTING EXHAUST AIR DUCTWORK WITH ALL ASSOCIATED DUCT COMPONENTS TO REMAIN.
- ALL EXISTING RIGID DUCTWORK TO REMAIN UNLESS NOTED OTHERWISE. TYP.
- REMOVE EXISTING EXHAUST AIR DEVICES AND REPLACE IN KIND. SEE NEW WORK PLANS FOR SIZE AND LOCATION. TYPICAL FOR ALL.
- EXISTING ELECTRIC HEATER TO REMAIN.
- EXISTING HYDRONIC PIPING TO REMAIN.
- EXISTING STAINLESS STEEL CONDENSATE REMOVAL HOOD ABOVE COFFEE MAKER TO NEW LOCATION. DISCONNECT EXISTING 10" STAINLESS STEEL DUCT AND TEMPORARILY CAP. SEE DRAWING M-106 FOR NEW WORK.
- EXISTING DUCTWORK ACCESSORIES AND AIR DEVICES TO REMAIN.





GENERAL NOTES

- A. CONTRACTOR TO PERFORM A PRE-BALANCE ON THE AHUs/FCUs THAT ARE REMAINING AND HAVING DIFFUSER(S) REMOVED, ETC. INCLUDE ALL DIFFUSERS. REVIEW AND RE-BALANCE WHOLE UNIT TO EXISTING CFM IN AREAS UNCHANGED.
- B. DRAIN ALL HYDRONIC SYSTEMS IN THE PLAN AREA PRIOR TO DEMOLITION WORK. THEN REFILL ALL HYDRONIC SYSTEMS IN THE PLAN AREA PRIOR TO NEW EQUIPMENT START-UPS.

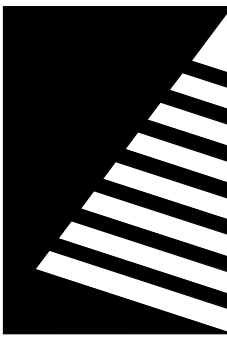
KEYNOTES

- 1 REMOVE EXISTING SUPPLY AIR DEVICES AND FLEXIBLE DUCTWORK SHOWN DASHED AND REPLACE IN KIND. EXISTING ASSOCIATED VOLUME DAMPER TO REMAIN. SEE NEW WORK PLANS FOR SIZE AND LOCATION. TYPICAL FOR ALL.
- 2 EXISTING EXHAUST AIR DUCTWORK WITH ALL ASSOCIATED DUCT COMPONENTS TO REMAIN.
- 3 REMOVE EXISTING FAN COIL UNIT AND ALL ASSOCIATED DUCTWORK, SUPPORTS, VOLUME DAMPERS AND DIFFUSERS. REMOVE ASSOCIATED HYDRONIC AND CONDENSATE PIPING, FITTINGS, VALVES, SUPPORTS, AND CAP AT MAINS. REMOVE ASSOCIATED CONTROL WIRING FROM ACCESSIBLE LOCATIONS AND ABANDON WIRING IN EXISTING WALLS TO REMAIN (SEE ARCHITECTURAL DRAWINGS).
- 4 EXISTING FAN COIL UNIT TO REMAIN.
- 5 EXISTING CONTROL DEVICE TO REMAIN.
- 6 EXISTING CONTROL DEVICE TO BE RELOCATED BY CONTROLS CONTRACTOR. SEE NEW WORK FOR NEW LOCATION.
- 7 REMOVE EXISTING LOUVER AND DUCT TRANSITION.
- 8 REMOVE EXISTING RETURN AIR DEVICES SHOWN DASHED AND REPLACE IN KIND. SEE NEW WORK PLANS FOR SIZE AND LOCATION. TYPICAL FOR ALL.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

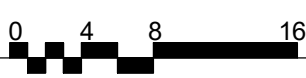
DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

SHEET TITLE:  
WING A MECHANICAL  
DEMOLITION PLAN

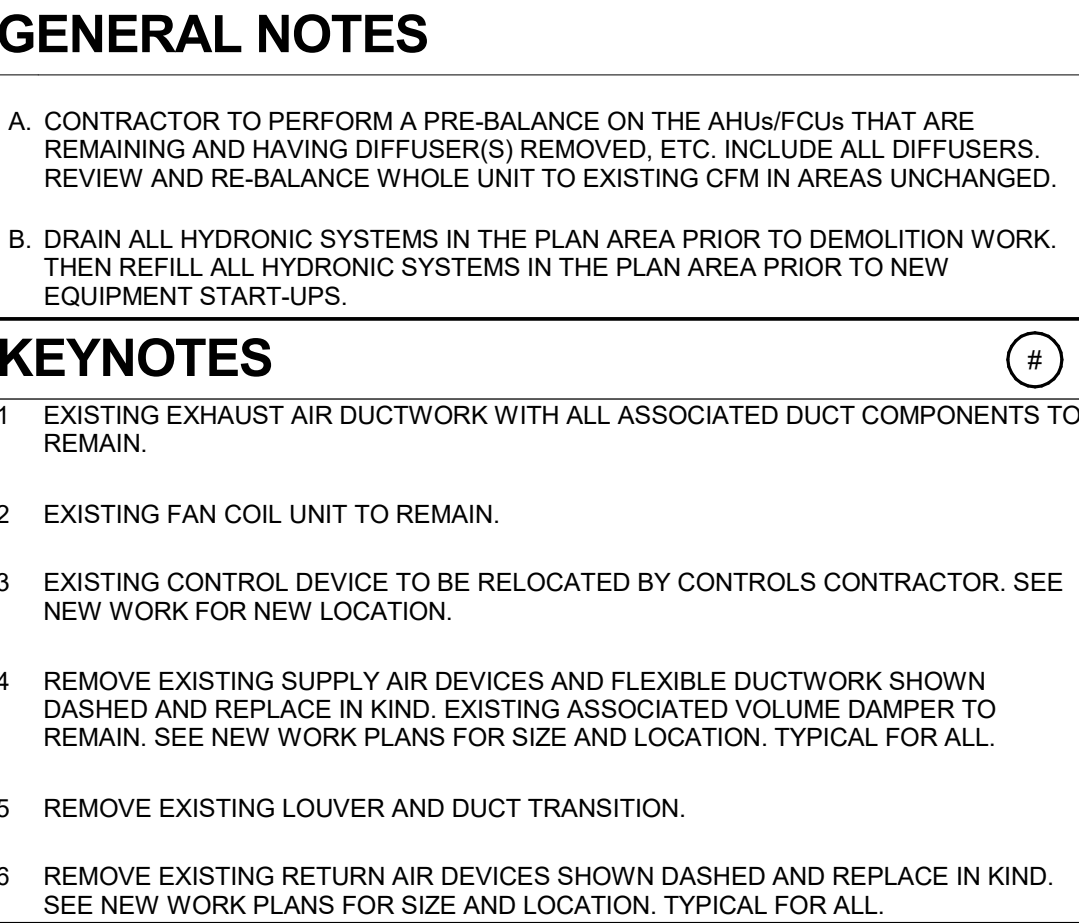
SHEET NUMBER:

M-103

SHEET 134 OF 197  
ISSUE DATE: 08/15/2024





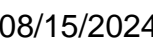


A. CONTRACTOR TO PERFORM A PRE-BALANCE ON THE AHUs/FCUs THAT ARE REMAINING AND HAVING DIFFUSERS(S) REMOVED, ETC. INCLUDE ALL DIFFUSERS, REVIEW AND RE-BALANCE WHOLE UNIT TO EXISTING CFM IN AREAS UNCHANGED.

B. DRAIN ALL HYDRONIC SYSTEMS IN THE PLAN AREA PRIOR TO DEMOLITION WORK. THEN REFILL ALL HYDRONIC SYSTEMS IN THE PLAN AREA PRIOR TO NEW EQUIPMENT START-UPS.

#

- 1 EXISTING EXHAUST AIR DUCTWORK WITH ALL ASSOCIATED DUCT COMPONENTS TO  
2 REMAIN.
- 3 EXISTING FAN COIL UNIT TO REMAIN.
- 4 EXISTING CONTROL DEVICE TO BE RELOCATED BY CONTROLS CONTRACTOR. SEE  
5 NEW WORK FOR NEW LOCATION.
- 6 REMOVE EXISTING SUPPLY AIR DEVICES AND FLEXIBLE DUCTWORK SHOWN  
7 DASHED AND REPLACE IN KIND. EXISTING ASSOCIATED VOLUME DAMPER TO  
8 REMAIN. SEE NEW WORK PLANS FOR SIZE AND LOCATION. TYPICAL FOR ALL.
- 9 REMOVE EXISTING LOUVER AND DUCT TRANSITION.
- 10 REMOVE EXISTING RETURN AIR DEVICES SHOWN DASHED AND REPLACE IN KIND.  
11 SEE NEW WORK PLANS FOR SIZE AND LOCATION. TYPICAL FOR ALL.



Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000742  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

08/15/2024

MISSOURI VETERANS  
COMMISSION

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

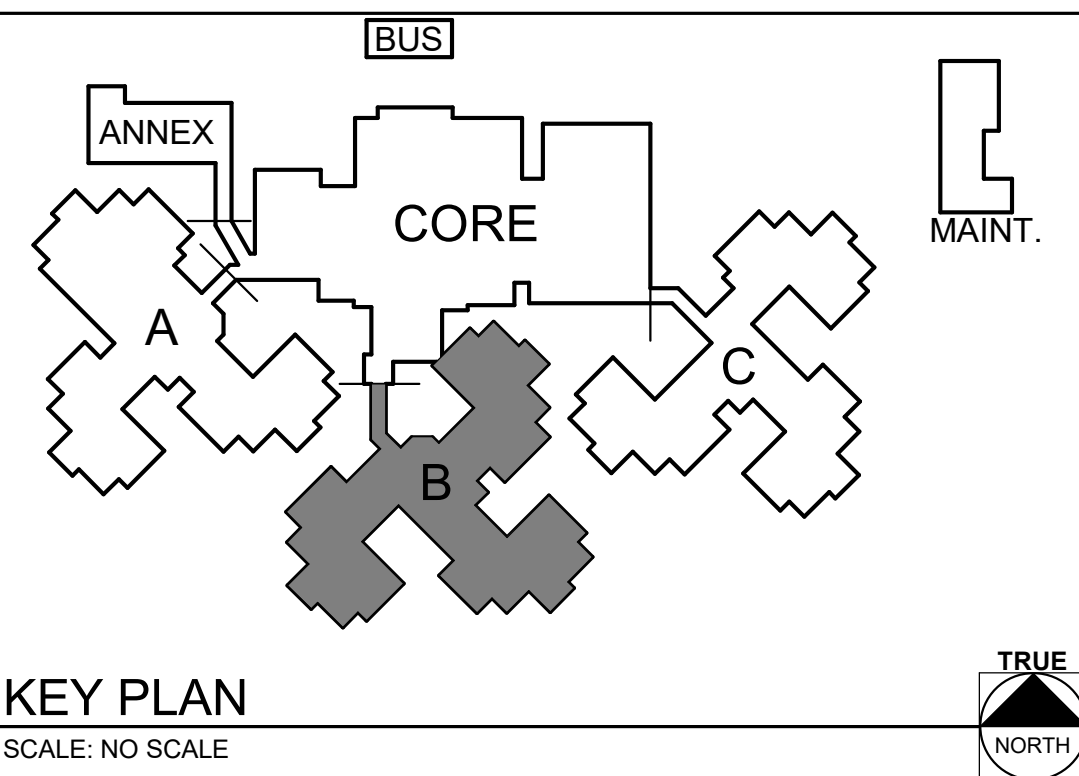
PROJECT #.:	U1805-01
SITE #.:	6803
FACILITY #.:	8136803002
FAI#.:	29-043
# DATE:	DESCRIPTION:

SHEET TITLE:

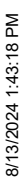
SHEET NUMBER:

# M-104

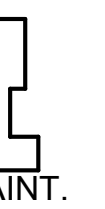
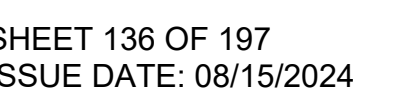
SHEET 135 OF 197  
ISSUE DATE: 08/15/2024







Scale: 3/32" = 1'-0"



TH	SCALE: NO SCALE
----	-----------------





8/15/2024 1:43:21 PM

1

# WING C MECHANICAL DEMOLITION PLAN ALTERNATE 1

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



## GENERAL NOTES

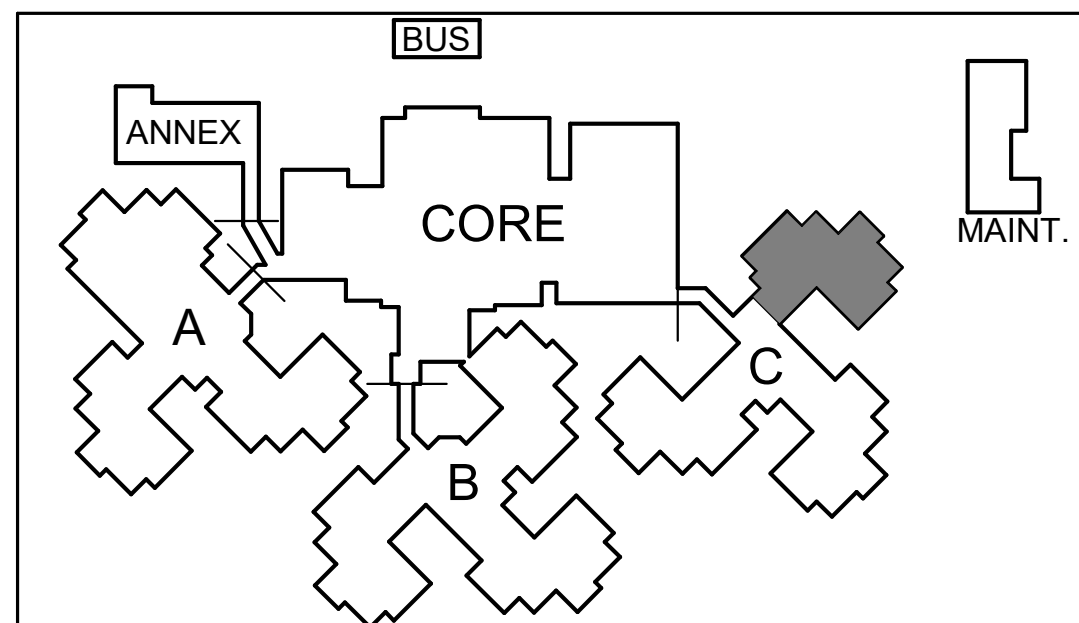
- A. CONTRACTOR TO PERFORM A PRE-BALANCE ON THE AHUs/FCUs THAT ARE REMAINING AND HAVING DIFFUSER(S) REMOVED, ETC. INCLUDE ALL DIFFUSERS. REVIEW AND RE-BALANCE WHOLE UNIT TO EXISTING CFM IN AREAS UNCHANGED.
- B. DRAIN ALL HYDRONIC SYSTEMS IN THE PLAN AREA PRIOR TO DEMOLITION WORK. THEN REFILL ALL HYDRONIC SYSTEMS IN THE PLAN AREA PRIOR TO NEW EQUIPMENT START-UPS.

## KEYNOTES

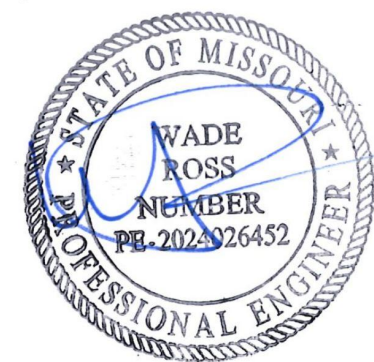
- 1 DEMO EXISTING DIFFUSERS AND BRANCH DUCT BACK TO MAIN AS SHOWN.
- 2 DEMO AHU-27 AND ALL ASSOCIATED DUCTWORK. DEMO CW AND HW PIPING AND ASSOCIATED VALVES AND CONTROLS BACK TO MAINS AND CAP.
- 3 DEMO CEILING MOUNTED EXHAUST FANS AND ALL ASSOCIATED DUCTWORK.
- 4 DEMO WALL LOUVER AND PATCH WALL PENETRATION TO MATCH EXISTING WALL.

## KEY PLAN

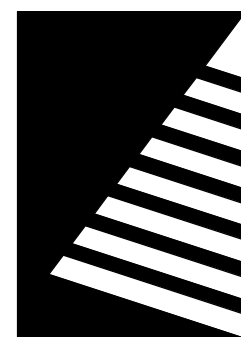
SCALE: NO SCALE



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

SHEET TITLE:

**WING C MECHANICAL  
DEMOLITION PLAN  
ALTERNATE 1**

SHEET NUMBER:

**M-106**

SHEET 137 OF 197  
ISSUE DATE: 08/15/2024

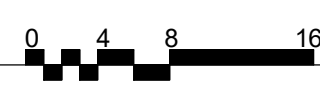
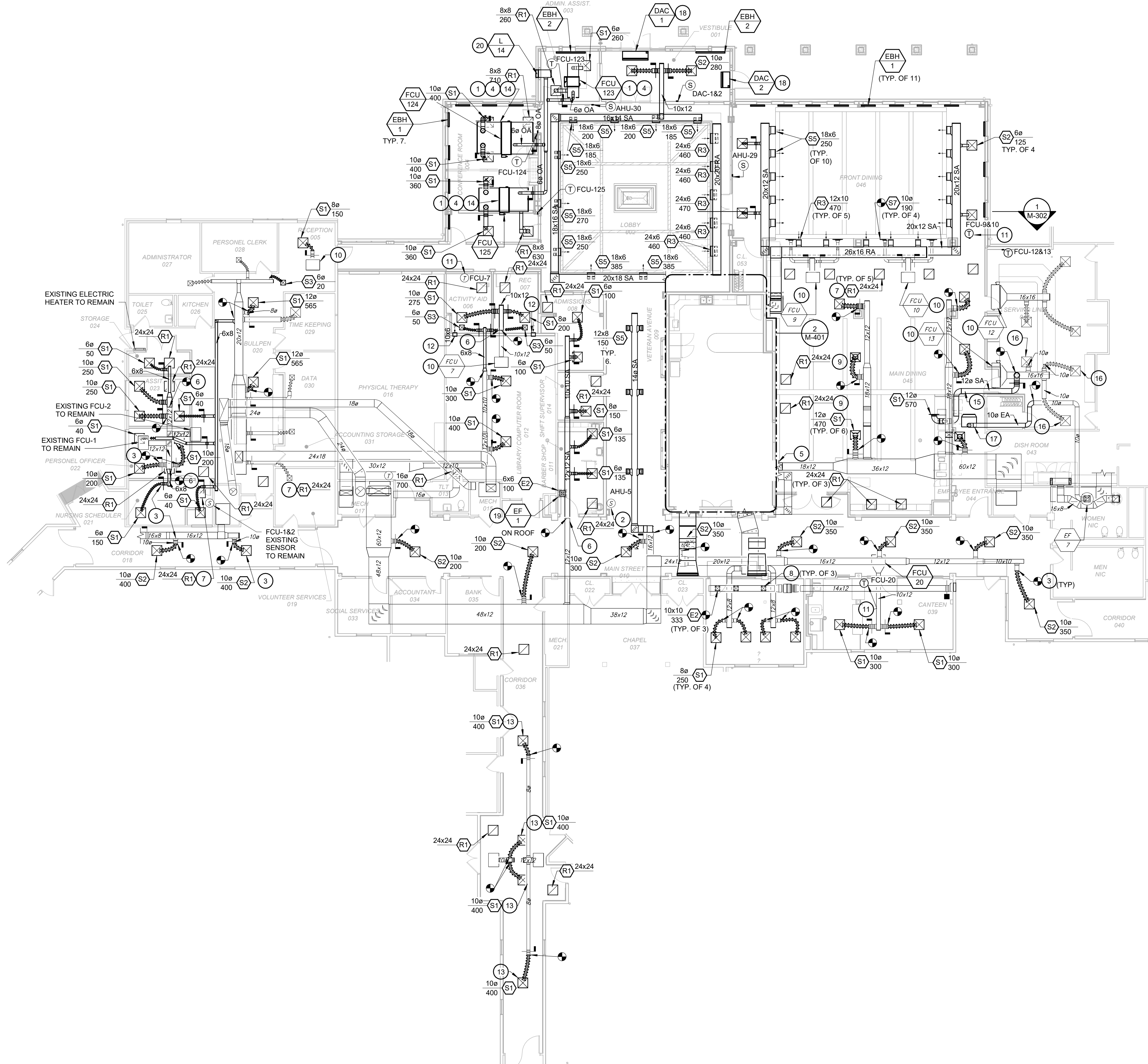


8/15/2024 1:43:27 PM

1

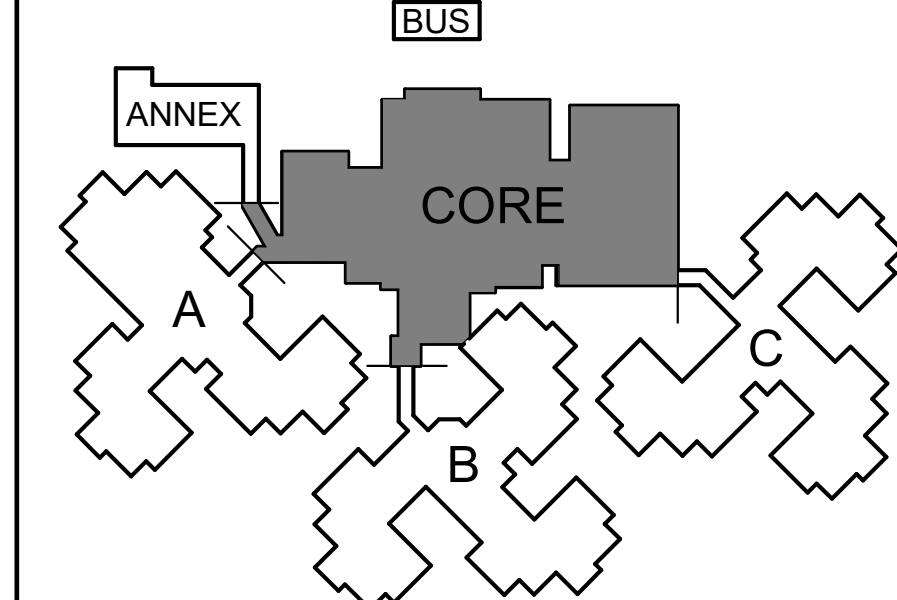
## CENTRAL CORE MECHANICAL PLAN

Scale: 3/32" = 1'-0"



## KEY PLAN

SCALE: NO SCALE



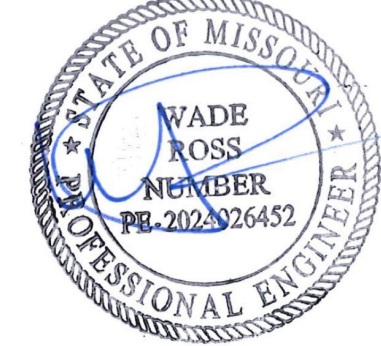
## GENERAL NOTES

A. REBALANCE REPLACED AIR DEVICES TO CFM'S INDICATED. IF NO CFM IS LISTED FOR A RETURN AIR DEVICE, IT IS FOR PLENUM RETURN.

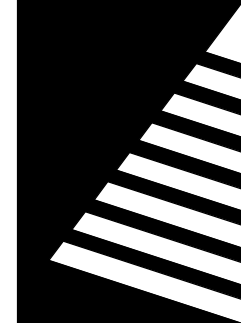
## KEYNOTES

1. CONTROLS CONTRACTOR SHALL FURNISH AND INSTALL AN OVERFLOW CONDENSATE SWITCH IN THE DRIP PAN OF THE UNIT. SEE CONTROLS SCHEMATICS FOR MORE DETAILS.
2. RELOCATE AND REPLACE EXISTING TEMPERATURE SENSOR IN ENCLOSURE SERVING EXISTING AHU-5. EXTEND PLENUM RATED CABLE TO NEW LOCATION INDICATED HERE AND CONCEAL WITHIN DRYWALL PARTITION. FOR EXISTING SENSOR LOCATION, SEE DEMO DRAWING M-102.
3. EXISTING SUPPLY AIR DEVICE AND FLEXIBLE DUCT SHALL BE DISCONNECTED AND REMOVED. REPLACE EXISTING AIR DEVICE WITH IDENTICAL DEVICE (SEE SCHEDULE), AND PROVIDE NEW INSULATED FLEXIBLE DUCT FROM EXISTING RIGID DUCT. ASSOCIATED VOLUME DAMPER TO REMAIN. CONNECT NEW AIR DEVICE AND REBALANCE TO THE CFM'S INDICATED.
4. PROVIDE NEW HORIZONTAL FAN COIL UNIT AND INSTALL ABOVE CEILING. SUPPLY AND RETURN PLENUM TO BE SIZED THE SAME AS FCU AIR INLET AND OUTLETS. PROVIDE MANUAL COIL VENTS. SEE DETAILS 3 AND 4 ON DRAWING M-502.
5. FOR CONTINUATION SEE BELOW MEZZANINE VENTILATION FLOOR PLAN ON DRAWING M-401.
6. EXTEND EXISTING DUCT, TRANSITION TO SIZE AS SHOWN. PROVIDE NEW INSULATED FLEXIBLE DUCT AND VOLUME DAMPERS AND CONNECT TO NEW AIR DEVICES.
7. EXISTING RETURN AIR DEVICE SHALL BE DISCONNECTED AND REMOVED. REPLACE EXISTING AIR DEVICE WITH IDENTICAL DEVICE (SEE SCHEDULE). INSTALL NEW AIR DEVICE TO LOCATION SHOWN IN NEW CEILING.
8. EXISTING EXHAUST AIR DEVICE SHALL BE DISCONNECTED AND REMOVED. REPLACE EXISTING AIR DEVICE WITH IDENTICAL DEVICE (SEE SCHEDULE). INSTALL NEW AIR DEVICE AT THE SAME LOCATION IN NEW CEILING. ALL ASSOCIATED RIGID DUCTWORK INCLUDING FAN AND DAMPER TO REMAIN.
9. PROVIDE NEW RETURN AIR DEVICE AT THIS LOCATION.
10. EXISTING FAN COIL UNIT TO REMAIN.
11. RELOCATE AND REPLACE EXISTING TEMPERATURE SENSOR IN ENCLOSURE SERVING EXISTING FCU. EXTEND PLENUM RATED CABLE TO NEW LOCATION INDICATED HERE AND CONCEAL WITHIN DRYWALL PARTITION. FOR EXISTING SENSOR LOCATION, SEE DEMO DRAWING M-102.
12. PROVIDE 10X6 TRANSFER DUCT FOR RA TO FCU-7 ABOVE CEILING.
13. DIFFUSERS ARE SUPPLIED FROM EXISTING FAN COIL UNITS IN CEILING NOT SHOWN HERE. EXISTING FAN COIL LOCATION IS ASSUMED TO BE ABOVE CORRIDOR CEILING. CONTRACTOR WILL NEED TO FIELD VERIFY LOCATION BEFORE INSTALLING NEW FLEX DUCT.
14. MOUNT FCU ON RUBBER PAD AND STRAP TO PLATFORM. PROVIDE 4" WIDE 16 GAUGE STEEL STRAP AND SECURE THE UNIT TO PLATFORM WITH TWO (2) 1/4" LAG SCREWS AT EACH END.
15. PROVIDE NEW BRANCH TO SERVE RELOCATED BEVERAGE STATION IN DINING ROOM. PROVIDE VOLUME DAMPER.
16. REBALANCE EXISTING DIFFUSERS TO 200 CFM.
17. RELOCATE AND REINSTALL EXISTING SS CONDENSATE REMOVAL HOOD ABOVE RELOCATED COFFEE MAKER. RECONNECT ALL HOOD AND FAN ASSOCIATED CONTROLS. PROVIDE 10" Ø SS DUCT, ROUTE AND INSULATE NEW DUCT AS SHOWN AND CONNECT TO EXISTING EXHAUST DUCT SERVED BY EXISTING EF-7 ON ROOF.
18. INSTALL DOOR AIR CURTAINS ABOVE THE REQUIRED CLEARANCE FOR THE AUTOMATIC DOOR OPENER.
19. DUCTWORK UP TO ROOF CURB. SEE MECHANICAL DETAIL 4 ON M-501.
20. SEE LOUVER DETAIL, DETAIL 5 ON M-503, FOR PROJECT INSTALLATION REQUIREMENTS.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

SHEET TITLE:

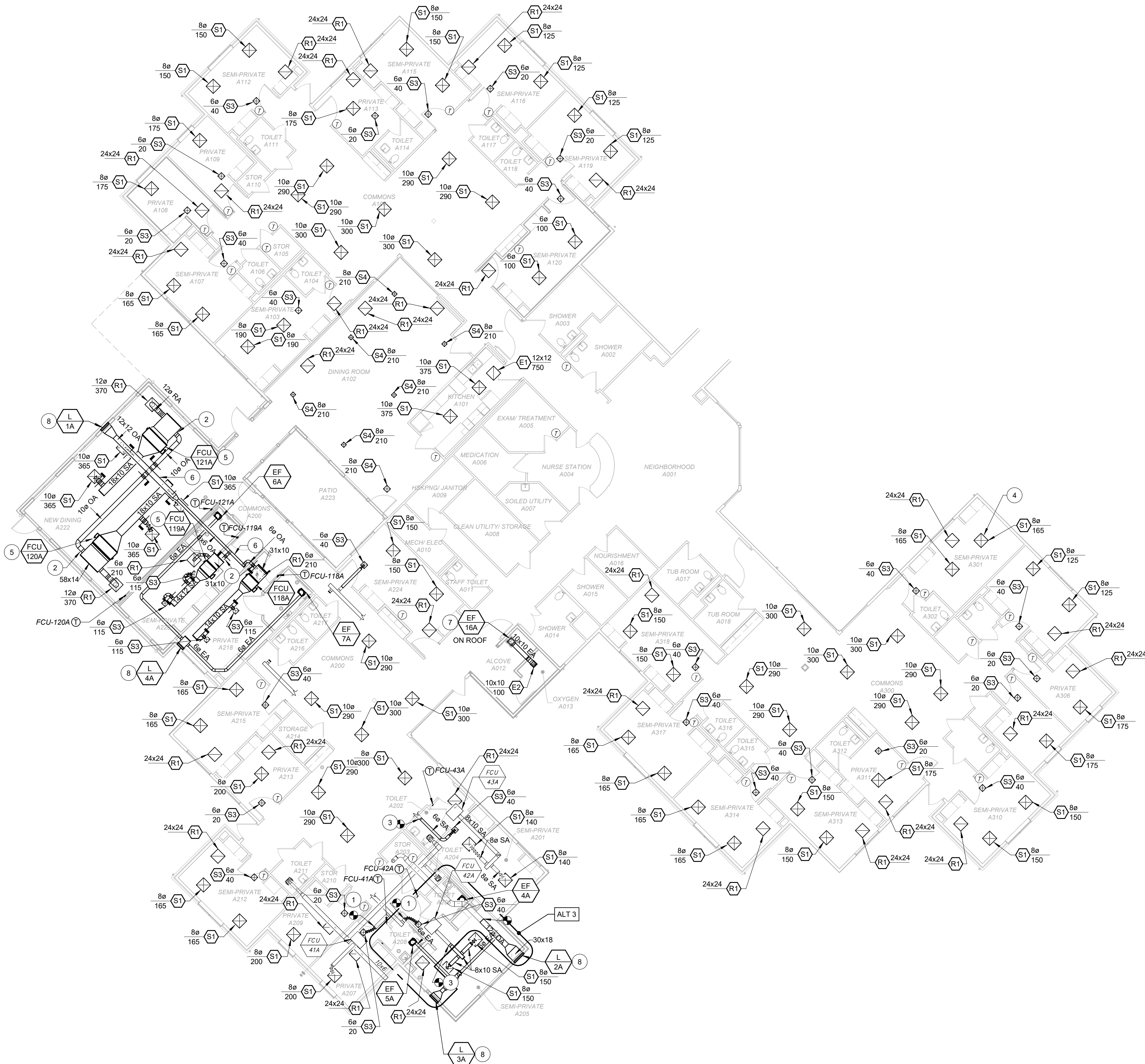
**CENTRAL CORE  
VENTILATION PLAN**

SHEET NUMBER:

**M-107**

SHEET 138 OF 197  
ISSUE DATE: 08/15/2024





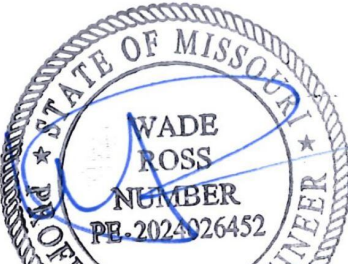
GENERAL NOTES

A. REBALANCE REPLACED AIR DEVICES TO CFM'S INDICATED. IF NO CFM IS LISTED FOR A RETURN AIR DEVICE, IT IS FOR PLENUM RETURN.

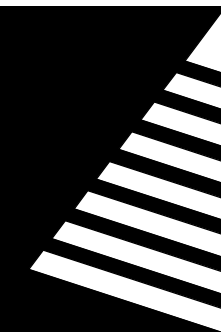
KEYNOTES

- EXISTING SUPPLY AIR DEVICE AND FLEXIBLE DUCT SHALL BE DISCONNECTED AND REMOVED. REPLACE EXISTING AIR DEVICE WITH IDENTICAL DEVICE (SEE SCHEDULE), AND PROVIDE NEW INSULATED FLEXIBLE DUCT FROM EXISTING RIGID DUCT. ASSOCIATED VOLUME DAMPER TO REMAIN. CONNECT NEW AIR DEVICE AND REBALANCE TO THE CFM'S INDICATED.
- CONNECT OUTDOOR AIR DUCT TO FAN COIL RETURN DUCTWORK. BALANCE MANUAL VOLUME DAMPER TO AMOUNT STATED IN FAN COIL SCHEDULE.
- EXTEND EXISTING DUCT, TRANSITION TO SIZE AS SHOWN. PROVIDE NEW INSULATED FLEXIBLE DUCT AND VOLUME DAMPERS AND CONNECT TO NEW AIR DEVICES.
- EXISTING SUPPLY AIR DEVICE AND FLEXIBLE DUCT SHALL BE DISCONNECTED AND REMOVED. REPLACE EXISTING AIR DEVICE WITH IDENTICAL DEVICE (SEE SCHEDULE), AND PROVIDE NEW INSULATED FLEXIBLE DUCT SIZE SAME AS NECK SIZE OF AIR DEVICE. RECONNECT TO EXISTING RIGID DUCT SERVING DEVICE BEING REPLACED. ASSOCIATED VOLUME DAMPER TO REMAIN. CONNECT NEW AIR DEVICE AND REBALANCE TO THE CFM'S INDICATED, TYPICAL FOR ALL SUPPLY AIR DEVICES SHOWN IF NOT NOTED OTHERWISE.
- CONTROLS CONTRACTOR SHALL FURNISH AND INSTALL AN OVERFLOW CONDENSATE SWITCH IN THE DRIP PAN OF THE UNIT. SEE CONTROLS SCHEMATICS FOR MORE DETAILS.
- COORDINATE OUTSIDE AIR DUCT ROUTING WITH WOODEN TRUSSES ABOVE CEILING.
- DUCTWORK UP TO ROOF CURB. SEE MECHANICAL DETAIL 4 ON M-501.
- SEE LOUVER DETAIL, DETAIL 5 ON M-503, FOR PROJECT INSTALLATION REQUIREMENTS.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

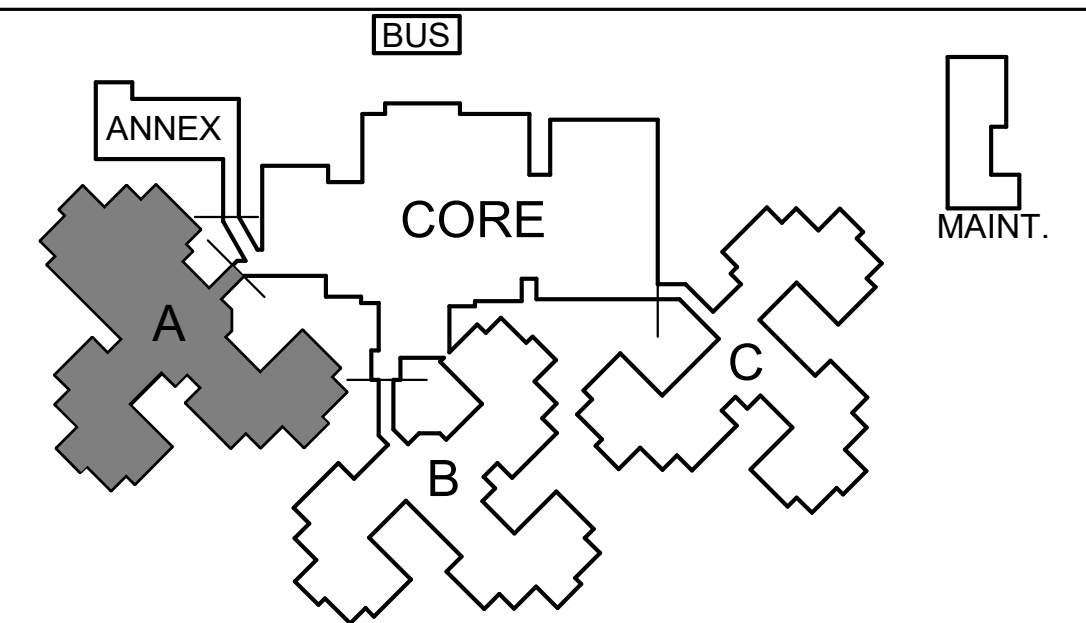
DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

SHEET TITLE:  
**WING A VENTILATION  
PLAN**

SHEET NUMBER:

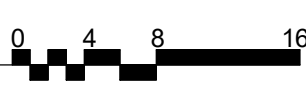
**M-108**

SHEET 139 OF 197  
ISSUE DATE: 08/15/2024



KEY PLAN

SCALE: NO SCALE



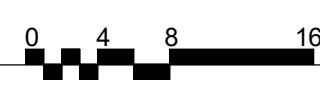
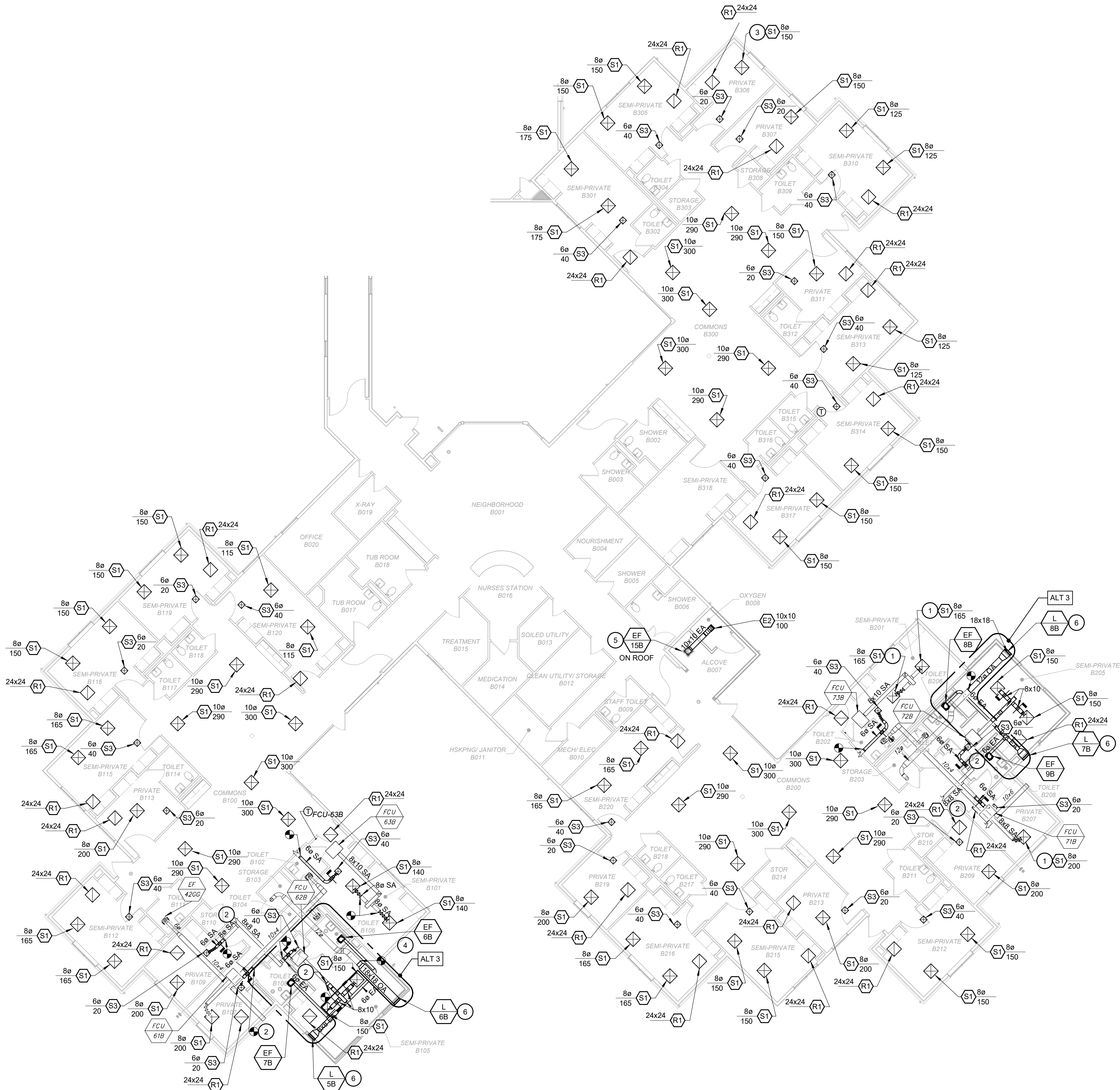


8/13/2024 1:43:36 PM

1

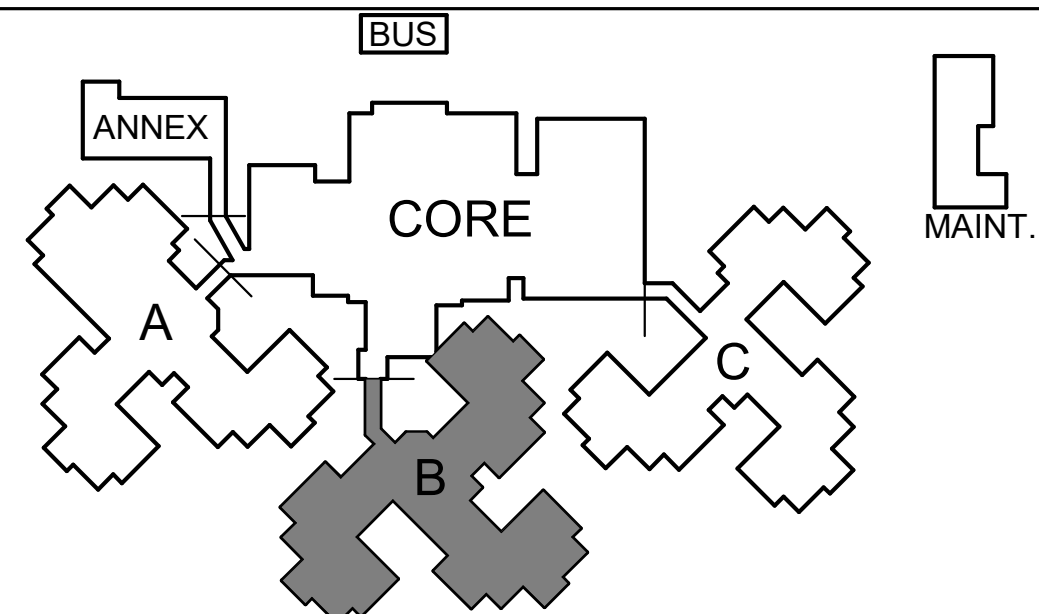
## WING B VENTILATION PLAN

Scale: 3/32" = 1'-0"



## KEY PLAN

SCALE: NO SCALE



## KEY PLAN

SCALE: NO SCALE

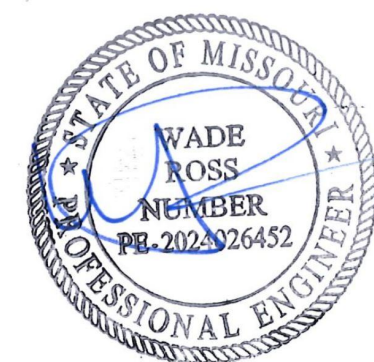
## GENERAL NOTES

A. REBALANCE REPLACED AIR DEVICES TO CFM'S INDICATED. IF NO CFM IS LISTED FOR A RETURN AIR DEVICE, IT IS FOR PLENUM RETURN.

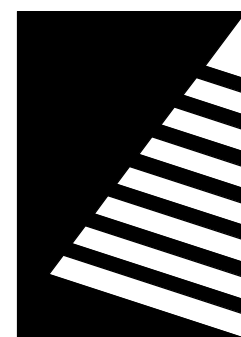
## KEYNOTES

- EXISTING SUPPLY AIR DEVICE AND FLEXIBLE DUCT SHALL BE DISCONNECTED AND REMOVED. REPLACE EXISTING AIR DEVICE WITH IDENTICAL DEVICE (SEE SCHEDULE), AND PROVIDE NEW INSULATED FLEXIBLE DUCT FROM EXISTING RIGID DUCT. ASSOCIATED VOLUME DAMPER TO REMAIN. CONNECT NEW AIR DEVICE AND REBALANCE TO THE CFM'S INDICATED.
- EXTEND EXISTING DUCT. TRANSITION TO SIZE AS SHOWN. PROVIDE NEW INSULATED FLEXIBLE DUCT AND VOLUME DAMPERS AND CONNECT TO NEW AIR DEVICES.
- EXISTING SUPPLY AIR DEVICE AND FLEXIBLE DUCT SHALL BE DISCONNECTED AND REMOVED. REPLACE EXISTING AIR DEVICE WITH IDENTICAL DEVICE (SEE SCHEDULE), AND PROVIDE NEW INSULATED FLEXIBLE DUCT SIZE SAME AS NECK SIZE OF AIR DEVICE. RECONNECT TO EXISTING RIGID DUCT SERVING DEVICE BEING REPLACED. ASSOCIATED VOLUME DAMPER TO REMAIN. CONNECT NEW AIR DEVICE AND REBALANCE TO THE CFM'S INDICATED. TYPICAL FOR ALL SUPPLY AIR DEVICES SHOWN IF NOT NOTED OTHERWISE.
- RELOCATE AND REPLACE EXISTING TEMPERATURE SENSOR IN ENCLOSURE SERVING EXISTING FCU. EXTEND PLENUM RATED CABLE TO NEW LOCATION INDICATED HERE AND CONCEAL WITHIN DRYWALL PARTITION. FOR EXISTING SENSOR LOCATION, SEE DEMO DRAWING M-102.
- DUCTWORK UP TO ROOF CURB. SEE MECHANICAL DETAIL 4 ON M-501.
- SEE LOUVER DETAIL, DETAIL 5 ON M-503, FOR PROJECT INSTALLATION REQUIREMENTS.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

## 100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

SHEET TITLE:

## WING B VENTILATION PLAN

SHEET NUMBER:

# M-109

SHEET 140 OF 197  
ISSUE DATE: 08/15/2024

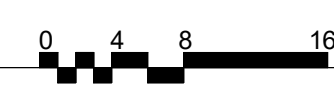
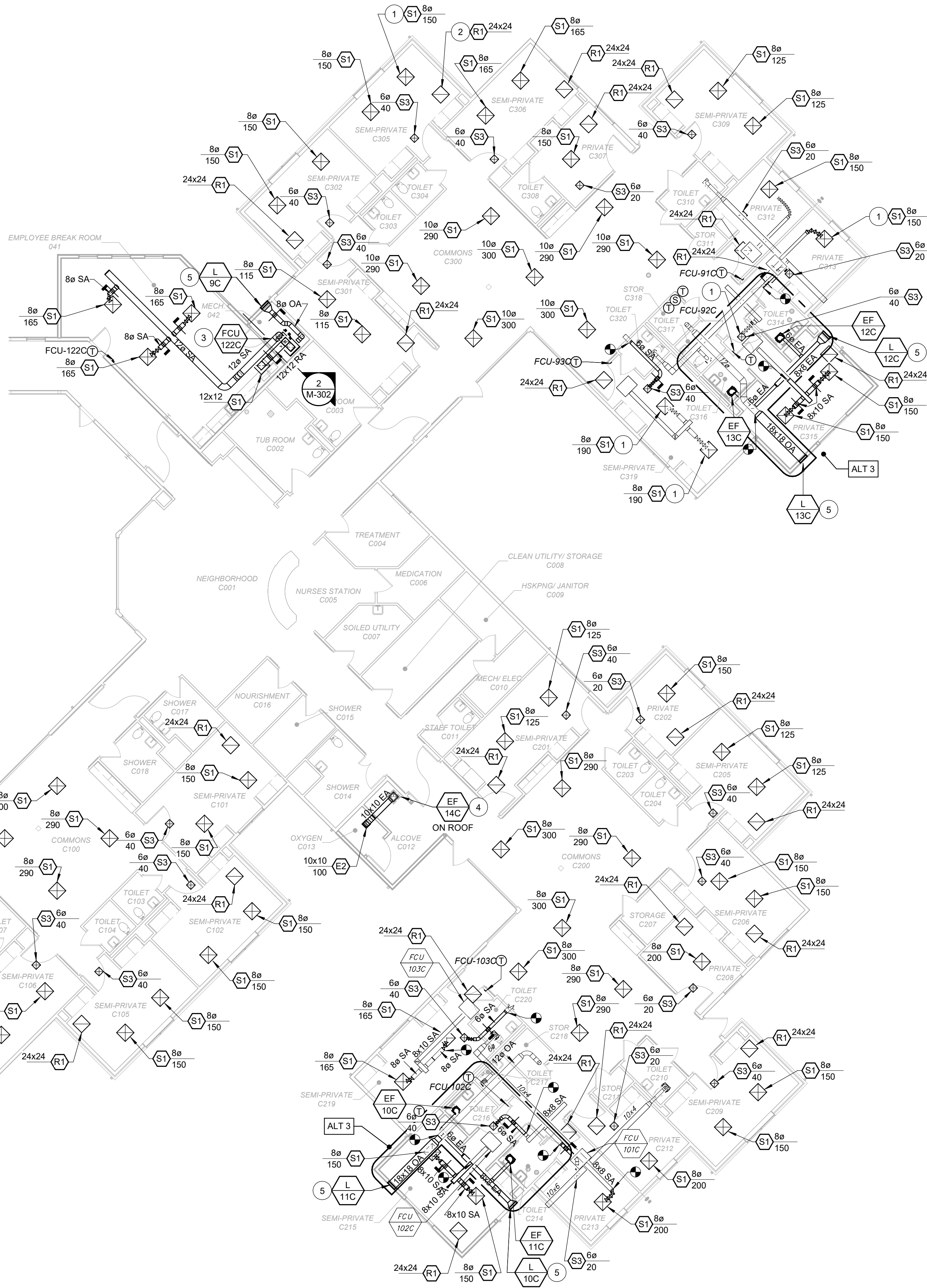


8/15/2024 1:45:42 PM

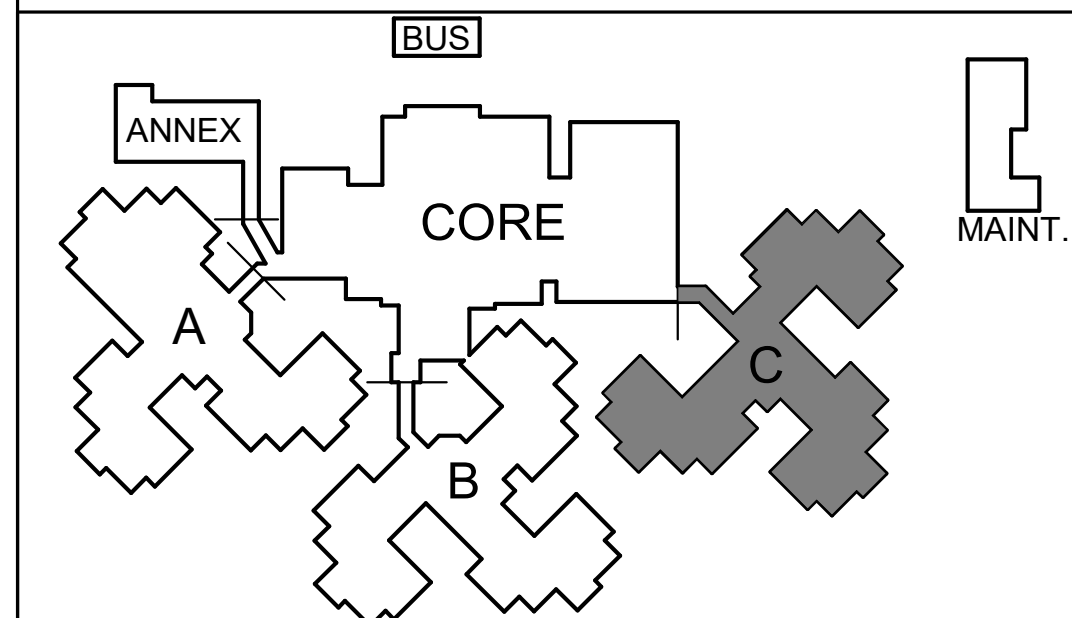
1

# WING C VENTILATION PLAN BASE BID

Scale: 3/32" = 1'-0"



KEY PLAN  
SCALE: NO SCALE



TRUE  
NORTH

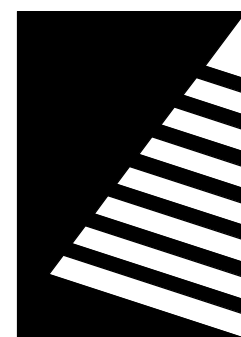
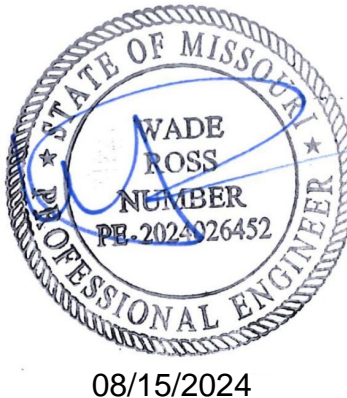
## GENERAL NOTES

A. REBALANCE REPLACED AIR DEVICES TO CFM'S INDICATED. IF NO CFM IS LISTED FOR A RETURN AIR DEVICE, IT IS FOR PLENUM RETURN.

## KEYNOTES

- EXISTING SUPPLY AIR DEVICE AND FLEXIBLE DUCT SHALL BE DISCONNECTED AND REMOVED. REPLACE EXISTING AIR DEVICE WITH IDENTICAL DEVICE (SEE SCHEDULE), AND PROVIDE NEW INSULATED FLEXIBLE DUCT SIZE SAME AS NECK SIZE OF AIR DEVICE. RECONNECT TO EXISTING RIGID DUCT SERVING DEVICE BEING REPLACED. ASSOCIATED VOLUME DAMPER TO REMAIN. CONNECT NEW AIR DEVICE AND REBALANCE TO THE CFM'S INDICATED, TYPICAL FOR ALL SUPPLY AIR DEVICES SHOWN IF NOT NOTED OTHERWISE.
- EXISTING RETURN AIR DEVICE SHALL BE DISCONNECTED AND REMOVED. REPLACE EXISTING AIR DEVICE WITH IDENTICAL DEVICE (SEE SCHEDULE). INSTALL NEW AIR DEVICE TO LOCATION SHOWN IN NEW CEILING. TYPICAL FOR ALL RETURN AIR DEVICES SHOWN IF NOT NOTED OTHERWISE.
- CONTROLS CONTRACTOR SHALL FURNISH AND INSTALL AN OVERFLOW CONDENSATE SWITCH IN THE DRIP PAN OF THE UNIT. SEE CONTROLS SCHEMATICS FOR MORE DETAILS.
- DUCTWORK UP TO ROOF CURB. SEE MECHANICAL DETAIL 4 ON M-501.
- SEE LOUVER DETAIL, DETAIL 5 ON M-503, FOR PROJECT INSTALLATION REQUIREMENTS.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

SHEET TITLE:  
**WING C VENTILATION  
PLAN**

SHEET NUMBER:

**M-110**

SHEET 141 OF 197  
ISSUE DATE: 08/15/2024

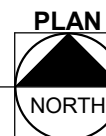
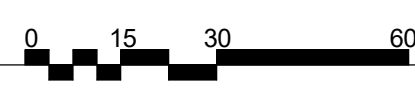
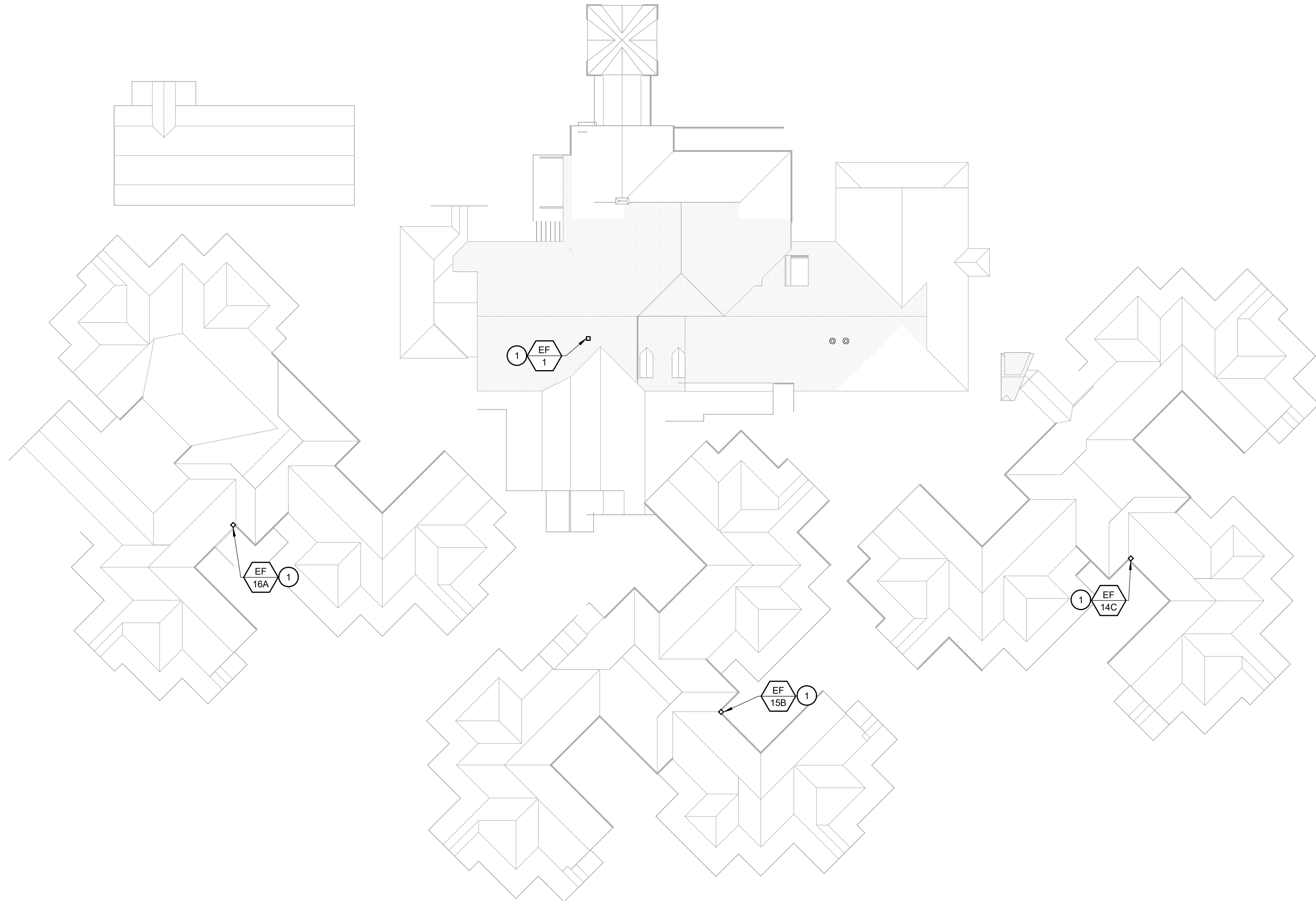


8/15/2024 1:43:44 PM

1

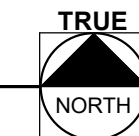
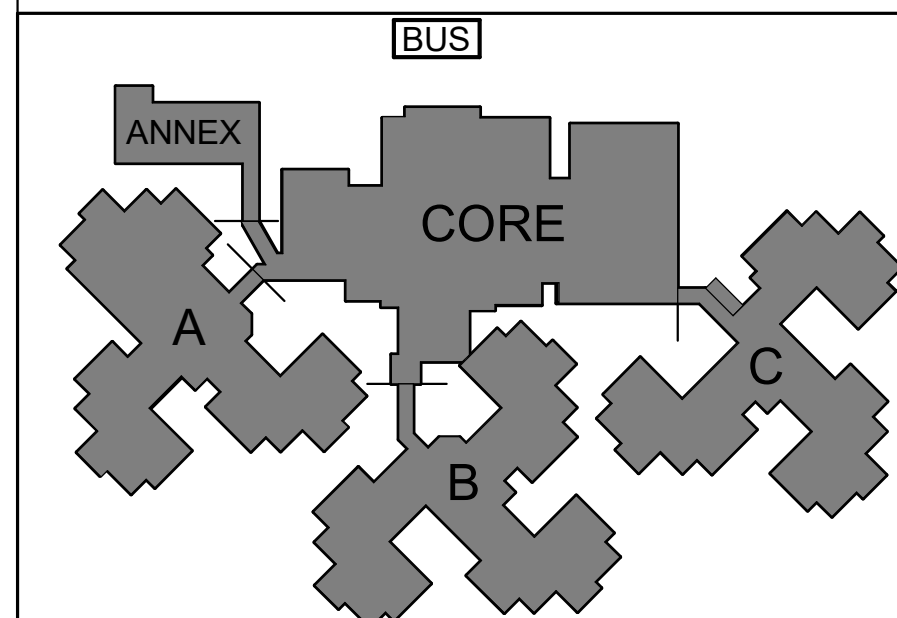
# ROOF MECHANICAL PLAN

Scale: 1" = 30'-0"



## KEY PLAN

SCALE: NO SCALE



## KEYNOTES

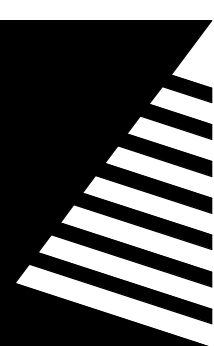
1 DUCTWORK UP TO ROOF CURB. SEE MECHANICAL DETAIL 4 ON M-501.

#

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

### 100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

SHEET TITLE:

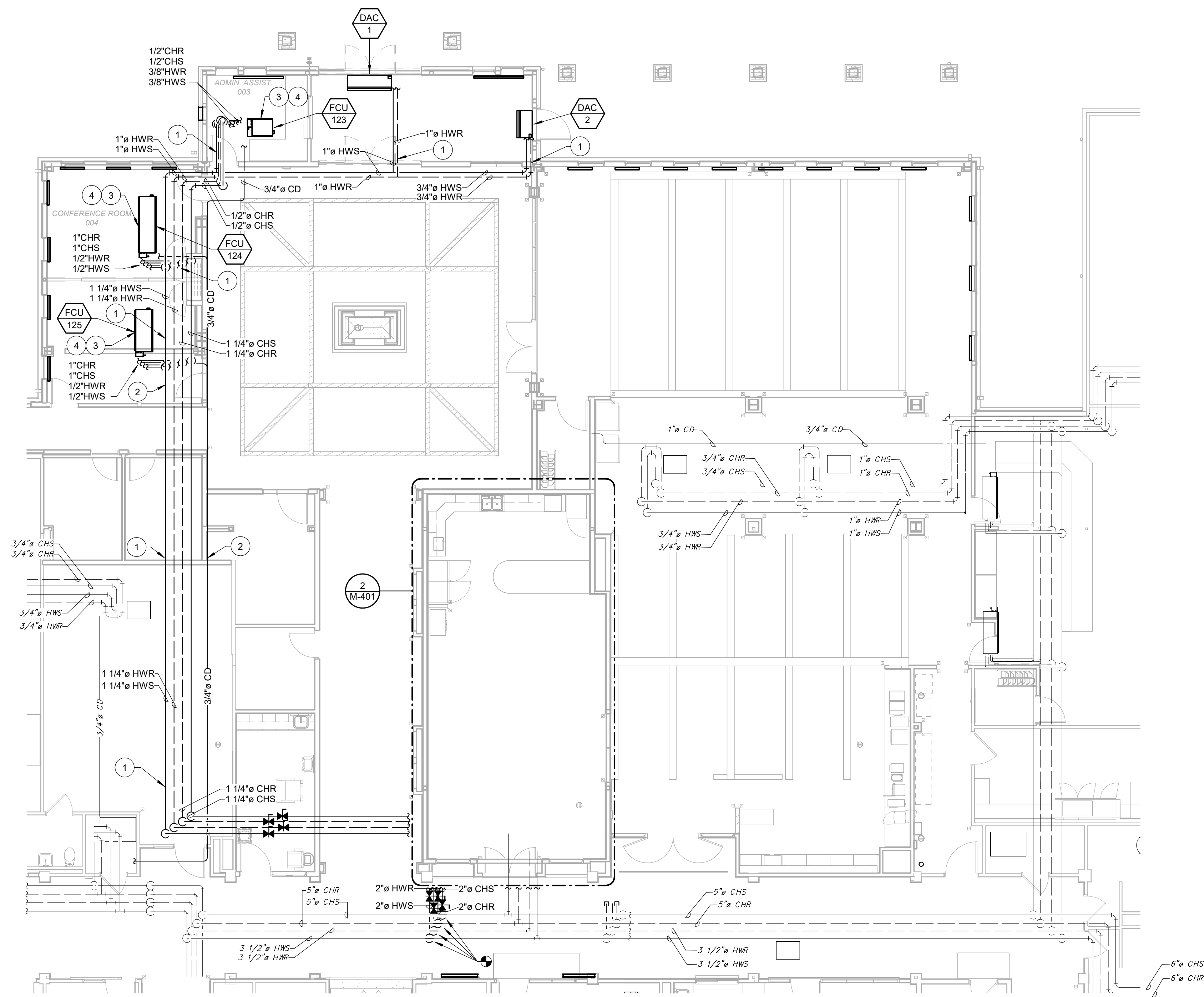
## MECHANICAL ROOF PLAN

SHEET NUMBER:

# M-111

SHEET 142 OF 197  
ISSUE DATE: 08/15/2024





- KEYNOTES

#

1

WHERE DRYWALL PARTITIONS ARE PENETRATED ABOVE CEILING AND ATTIC, CONTRACTOR SHALL SEAL PIPE PENETRATION WITH APPROVED FIRE SEAL. SEE SPECIFICATION FOR FIRE SEALING.

2

NEW AND EXISTING CONDENSATE, CHWS AND CHWR PIPING ABOVE CEILING SERVING CONFERENCE ROOM AND ADMIN ASSISTANT. SHALL BE HEAT TRACED FROM THIS POINT. SPIRAL WRAP AND LOOP AS RECOMMENDED BY CABLE MANUFACTURER WITH SELF REGULATING HEATING CABLE 5W PER LINEAL FOOT. INSULATE AS SPECIFIED. SEE INSULATION SPECIFICATION FOR TYPE AND THICKNESS. CONDENSATE PIPING SHALL BE COPPER TYPE L.

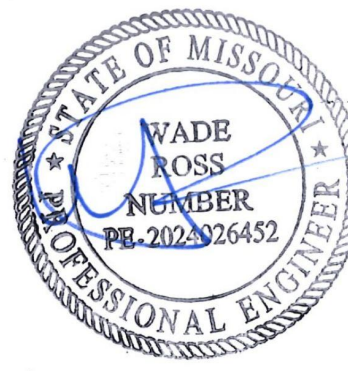
3

PROVIDE CONDENSATE PUMP AND ROUTE INSULATED CONDENSATE PIPING TO MECHANICAL ROOM DRAIN. CONDENSATE PUMP SHALL BE LITTLE GIANT EC-1, 115/1 OR APPROVED EQUAL. PROVIDE CONDENSATE PUMP COMPLETE WITH OVERFLOW SWITCH, WIRED TO SHUT DOWN THE UNIT OR SEND AN ALARM SIGNAL AT THE OPERATOR WORK STATION. PROVIDE A CHECK VALVE IMMEDIATELY AFTER THE PUMP.

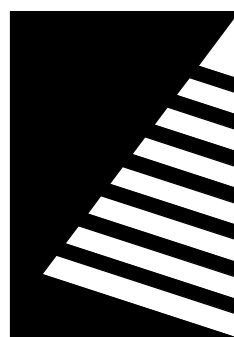
4

CONTROLS CONTRACTOR SHALL FURNISH AND INSTALL AN OVERFLOW CONDENSATE SWITCH IN THE DRIP PAN OF THE UNIT. SEE CONTROLS SCHEMATICS FOR MORE DETAILS.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
FACILITY #.:	8136803002
FAI#.:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

SHEET TITLE:  
**CENTRAL CORE  
HYDRONIC PLAN**

SHEET NUMBER:

**M-112**

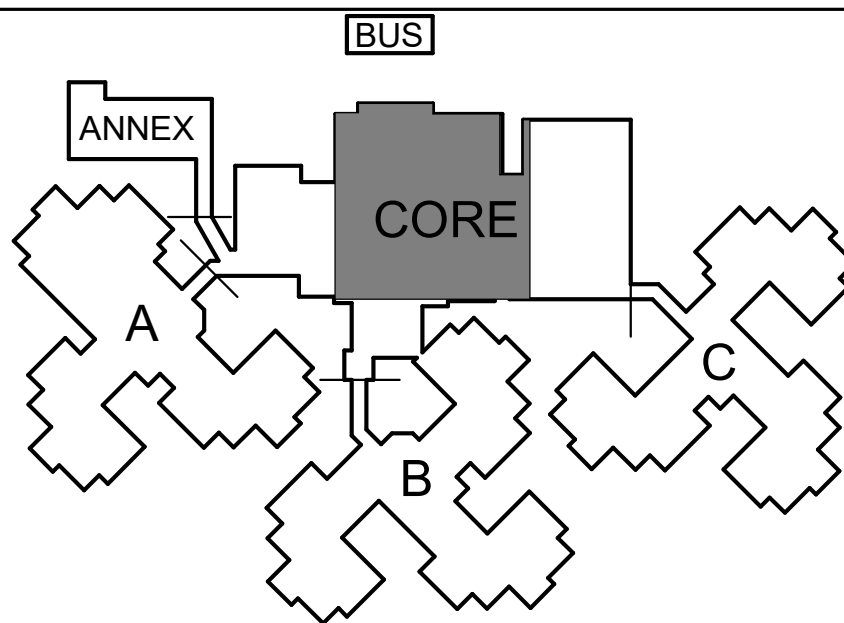
SHEET 143 OF 197  
ISSUE DATE: 08/15/2024

8/15/2024 1:52:07 PM

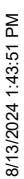
**1** **CENTRAL CORE HYDRONIC PLAN**  
Scale: 1/8" = 1'-0"



**KEY PLAN**  
SCALE: NO SCALE







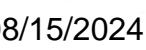
1



**Scale: 1/8" = 1'-0"**

#

- ## KEY PLAN



Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

8/15/2024

MISSOURI VETERANS  
COMMISSION

400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

SHEET TITLE:

**SWIMMING A AND C  
HYDRONIC PLAN**

SHEET NUMBER:

# M-113

SHEET 144 OF 197  
ISSUE DATE: 08/15/2024

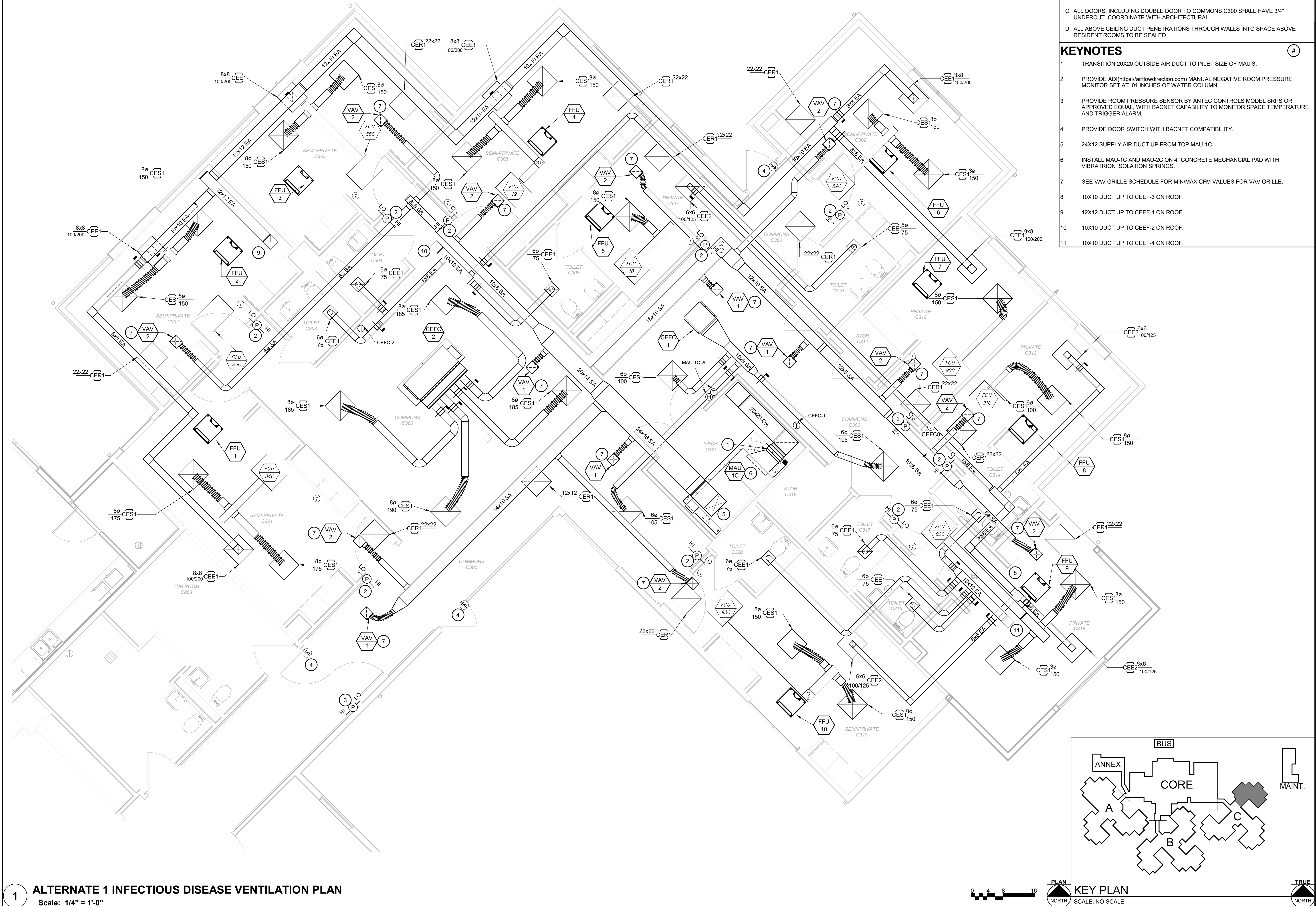


8/13/2024 1:43:05 PM

1

# ALTERNATE 1 INFECTIOUS DISEASE VENTILATION PLAN

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



## GENERAL NOTES

- A. ALTERNATE-1 PLAN WILL REPLACE ANY NEW WORK IN THESE SPACES FROM BASE BID PLAN M-110.
- B. ALL FILTERS IN EXISTING FAN COIL UNITS SHALL BE REPLACED WITH MERV-14 FILTERS.
- C. ALL DOORS, INCLUDING DOUBLE DOOR TO COMMONS C300 SHALL HAVE 3/4" UNDERCUT. COORDINATE WITH ARCHITECTURAL.
- D. ALL ABOVE CEILING DUCT PENETRATIONS THROUGH WALLS INTO SPACE ABOVE RESIDENT ROOMS TO BE SEALED.

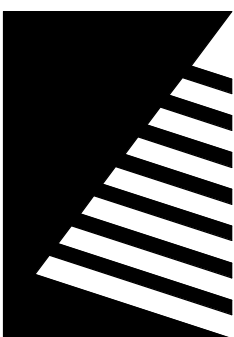
## KEYNOTES

- | #  |   |
|----|---|
| 1  | TRANSITION 20X20 OUTSIDE AIR DUCT TO INLET SIZE OF MAU'S.   |
| 2  | PROVIDE ADI( <a href="https://airflowdirection.com">https://airflowdirection.com</a> ) MANUAL NEGATIVE ROOM PRESSURE MONITOR SET AT .01 INCHES OF WATER COLUMN. |
| 3  | PROVIDE ROOM PRESSURE SENSOR BY ANTEC CONTROLS MODEL SRPS OR APPROVED EQUAL, WITH BACNET CAPABILITY TO MONITOR SPACE TEMPERATURE AND TRIGGER ALARM.             |
| 4  | PROVIDE DOOR SWITCH WITH BACNET COMPATIBILITY.  |
| 5  | 24X12 SUPPLY AIR DUCT UP FROM TOP MAU-1C.   |
| 6  | INSTALL MAU-1C AND MAU-2C ON 4" CONCRETE MECHANICAL PAD WITH VIBRATION ISOLATION SPRINGS.   |
| 7  | SEE VAV GRILLE SCHEDULE FOR MIN/MAX CFM VALUES FOR VAV GRILLE.  |
| 8  | 10X10 DUCT UP TO CEEF-3 ON ROOF.  |
| 9  | 12X12 DUCT UP TO CEEF-1 ON ROOF.  |
| 10 | 10X10 DUCT UP TO CEEF-2 ON ROOF.  |
| 11 | 10X10 DUCT UP TO CEEF-4 ON ROOF.  |

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / [info@f-w.com](mailto:info@f-w.com)

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
[www.f-w.com](http://www.f-w.com)  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #:	U1805-01
SITE #:	6803
FACILITY #:	8136803002
FAI#:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

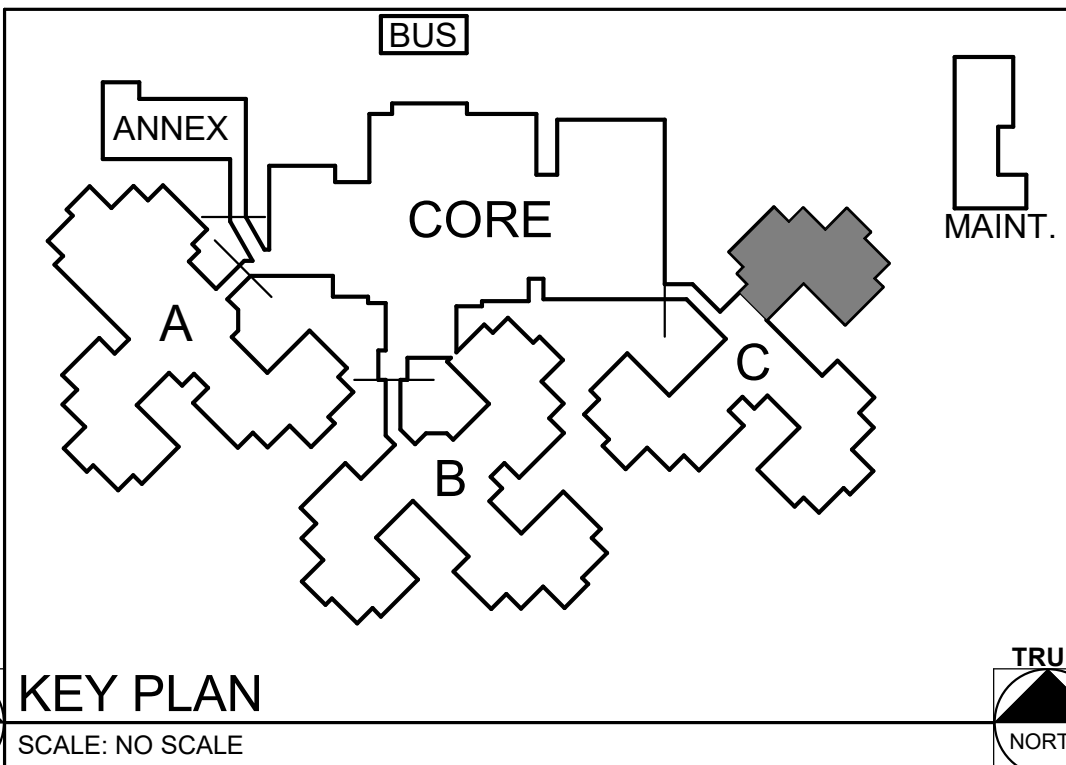
SHEET TITLE:

**ALTERNATE 1  
INFECTIOUS DISEASE  
VENTILATION PLAN**


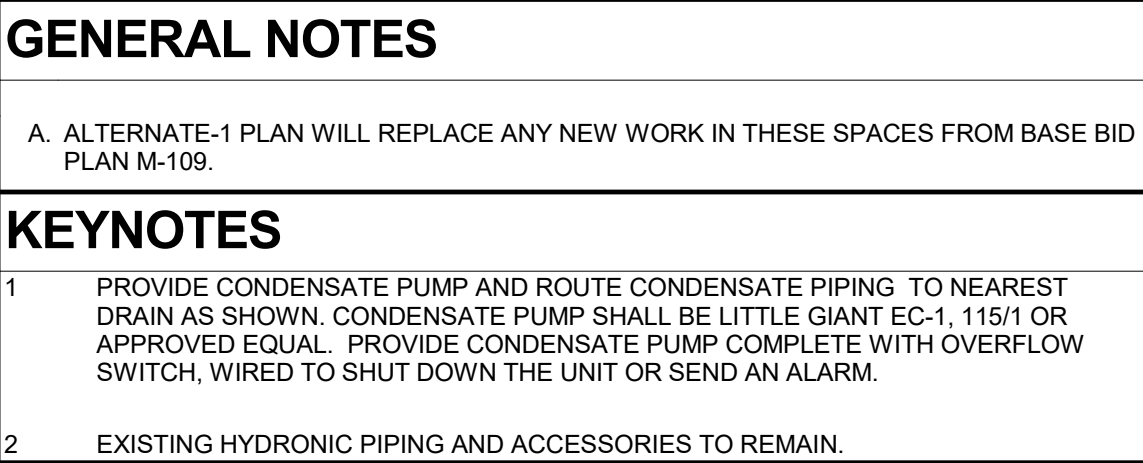
SHEET NUMBER:

**M-114**

SHEET 145 OF 197  
ISSUE DATE: 08/15/2024







Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

08/15/2024

MISSOURI VETERANS  
COMMISSION

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
FACILITY #.:	8136803002
FAI#.:	29-043
# DATE:	DESCRIPTION:

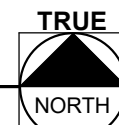
SHEET TITLE:

SHEET NUMBER:

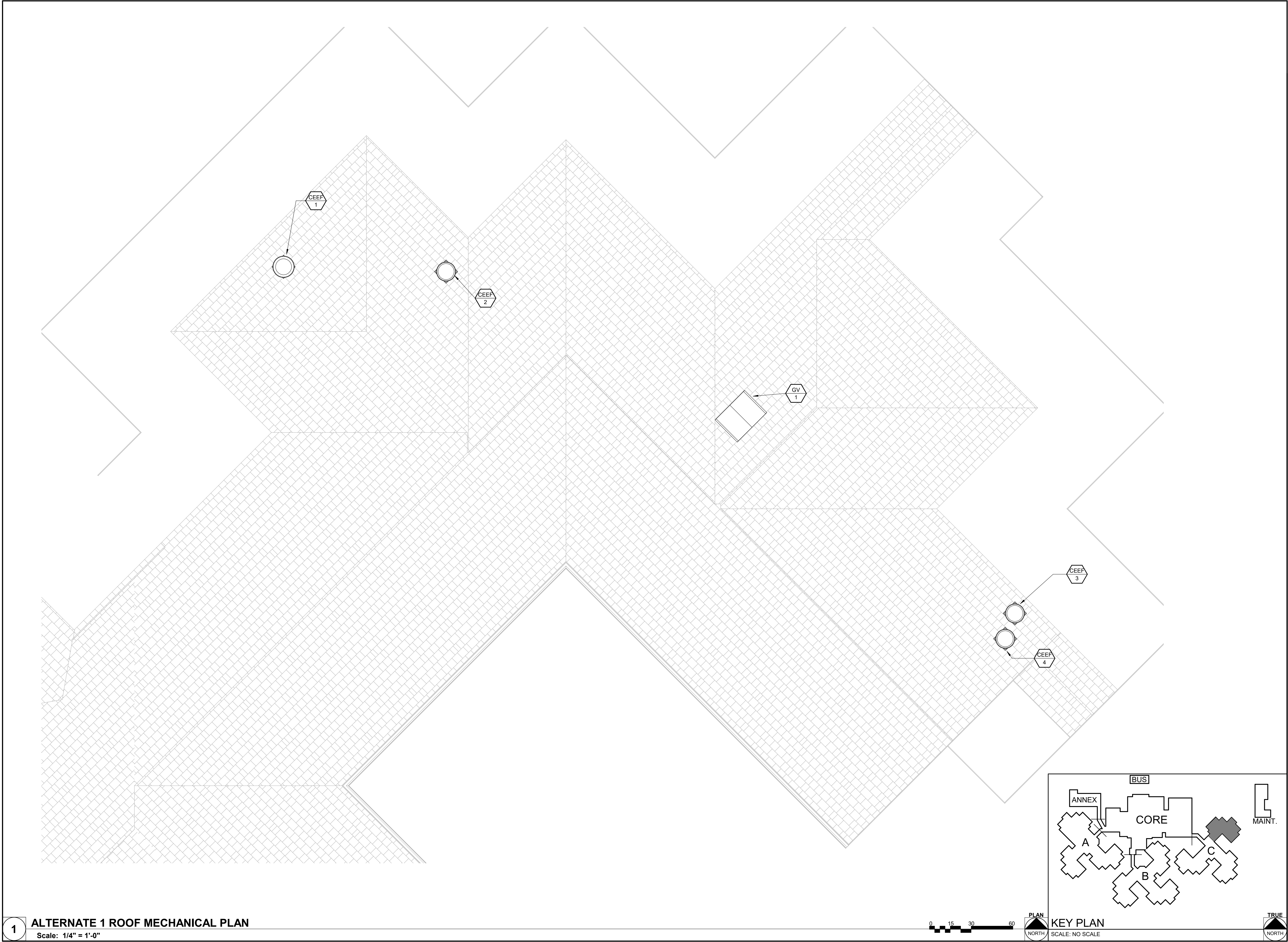
SHEET 146 OF 197  
ISSUE DATE: 08/15/2024



SCALE: NO SCALE



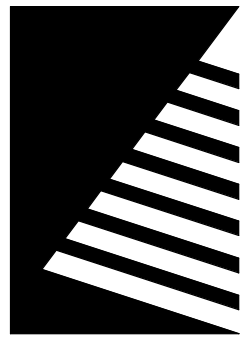




STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
FACILITY #.:	8136803002
FAI#.:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

SHEET TITLE:

**ALTERNATE 1 ROOF  
PLAN**

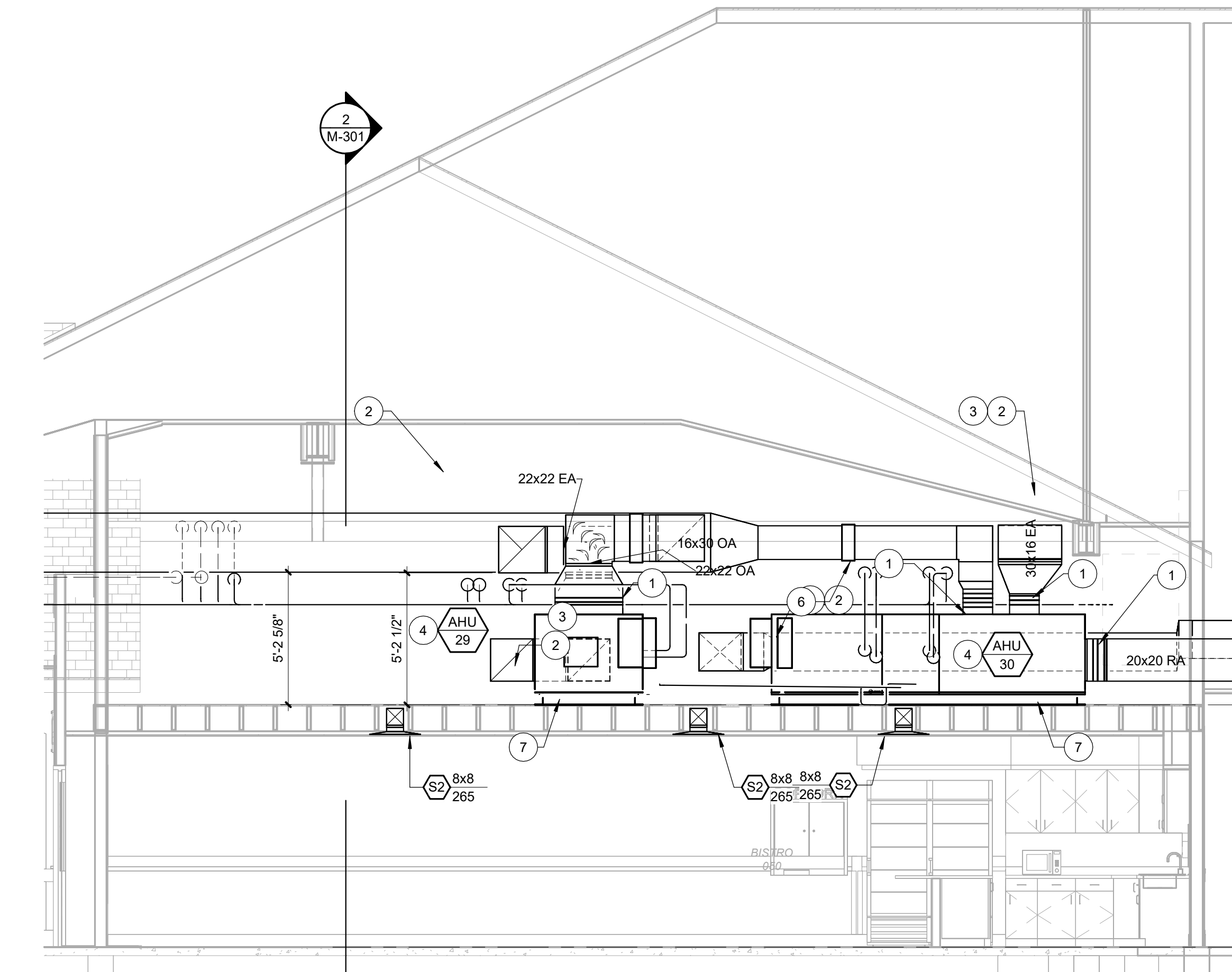
SHEET NUMBER:

**M-116**

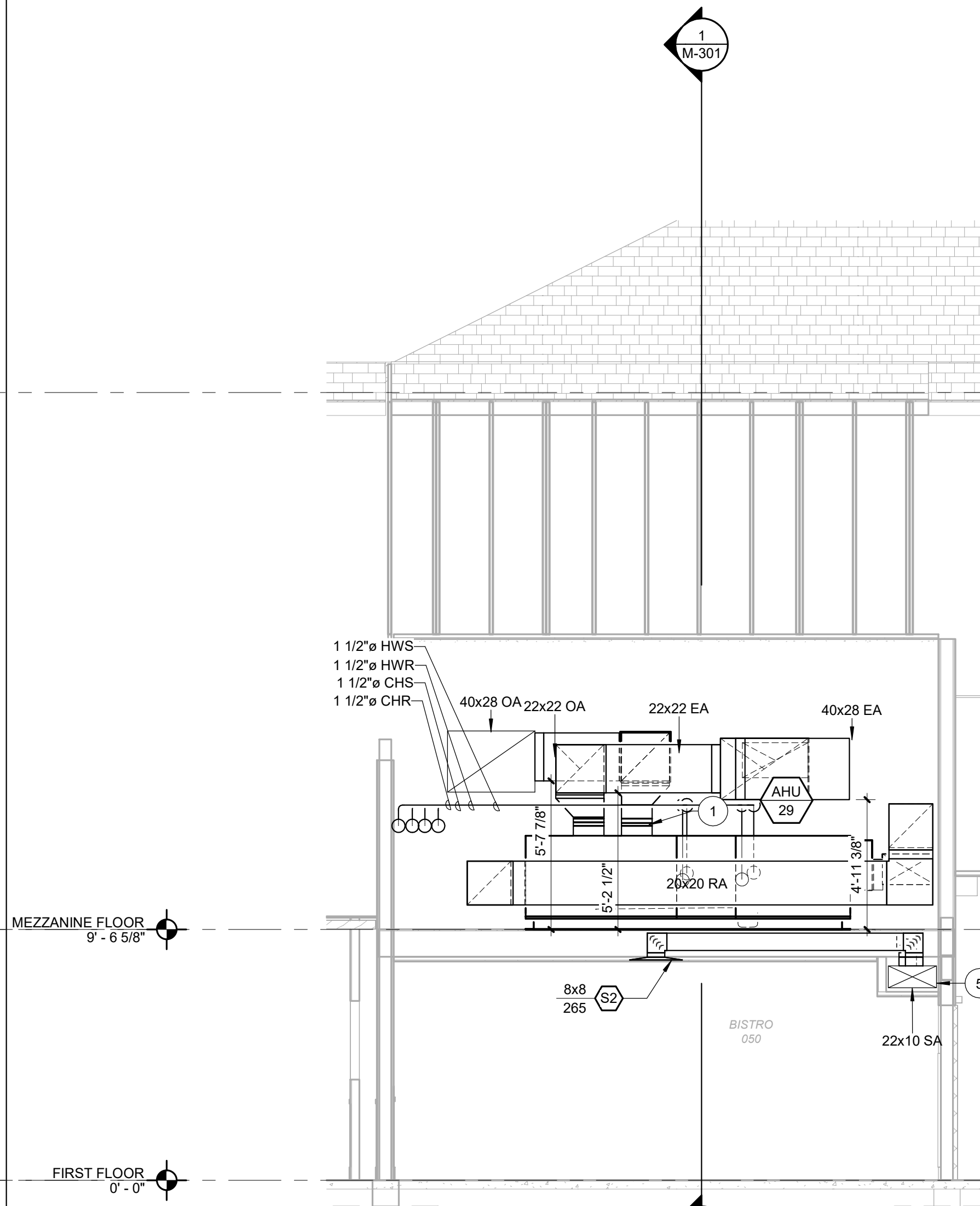
SHEET 147 OF 197  
ISSUE DATE: 08/15/2024



8/15/2024 1:44:04 PM



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



**2 SECTION**  
Scale: 1/4" = 1'-0"

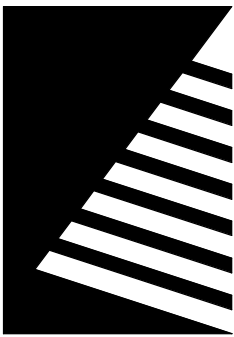
## KEYNOTES

- 1 PROVIDE FLEXIBLE CONNECTOR AT ALL DUCT CONNECTIONS AT UNIT.
- 2 INSULATE ALL OUTSIDE AIR INTAKES AND EXHAUST AIR DUCTWORK RUNNING IN THE ATTIC SPACE PER SPECIFICATION SECTION 23 07 13 - DUCT INSULATION.
- 3 PROVIDE SEISMIC SUPPORTS AND SWAY BRACING FOR ALL SUSPENDED DUCTWORK. REFER TO SPECIFICATION SECTION 23 05 48.
- 4 SUPPORT UNIT WITH SEISMIC RESTRAINED SPRING VIBRATION ISOLATORS WITH QUANTITIES AND THAT ARE SPACED AT DISTANCES PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, OR AT A MINIMUM OF FOUR SUPPORTS AT EACH CORNER OF THE UNIT MODULES, WHICHEVER IS MORE STRINGENT. SIZE SHALL BE AS DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. SEE SPECIFICATION 23 05 48 FOR MORE DETAILS.
- 5 DUCT IN SOFFIT. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION.
- 6 FURNISH AND INSTALL COUNTER-BALANCED BACKDRAFT DAMPER PER RUSKIN MODEL NUMBER CBD6 OR APPROVED EQUAL. DAMPER SHALL BE 0.125' EXTRUDED ALUMINUM FRAME, 0.07" EXTRUDED ALUMINUM BLADES WITH ZYTEL BEARINGS. INSTALL DAMPER SO THAT IT WOULD ALLOW AIRFLOW IN THE DIRECTION INDICATED.
- 7 FURNISH AND INSTALL FACTORY OR SHOP FABRICATED, 8" STRUCTURAL STEEL FRAMING WITH DIMENSIONS MATCHING UNIT FOOTPRINT. PAINT STEEL FRAMING WITH TWO COATS OF PRIMER AND TWO COATS OF OIL BASED, WATER RESISTANT METAL PAINT. ANCHOR STRUCTURAL STEEL TO WOOD FRAMED FLOOR USING SUITABLE ANCHORS WITH SIZES AND QUANTITIES AS DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. SEE SPECIFICATION 23 05 48 FOR MORE DETAILS.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

SHEET TITLE:  
**MECHANICAL  
SECTIONS**

SHEET NUMBER:

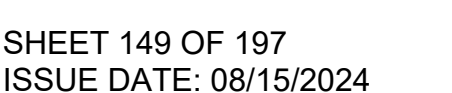
**M-301**

SHEET 148 OF 197  
ISSUE DATE: 08/15/2024

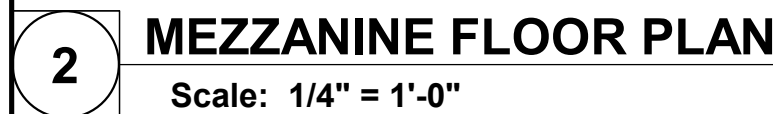




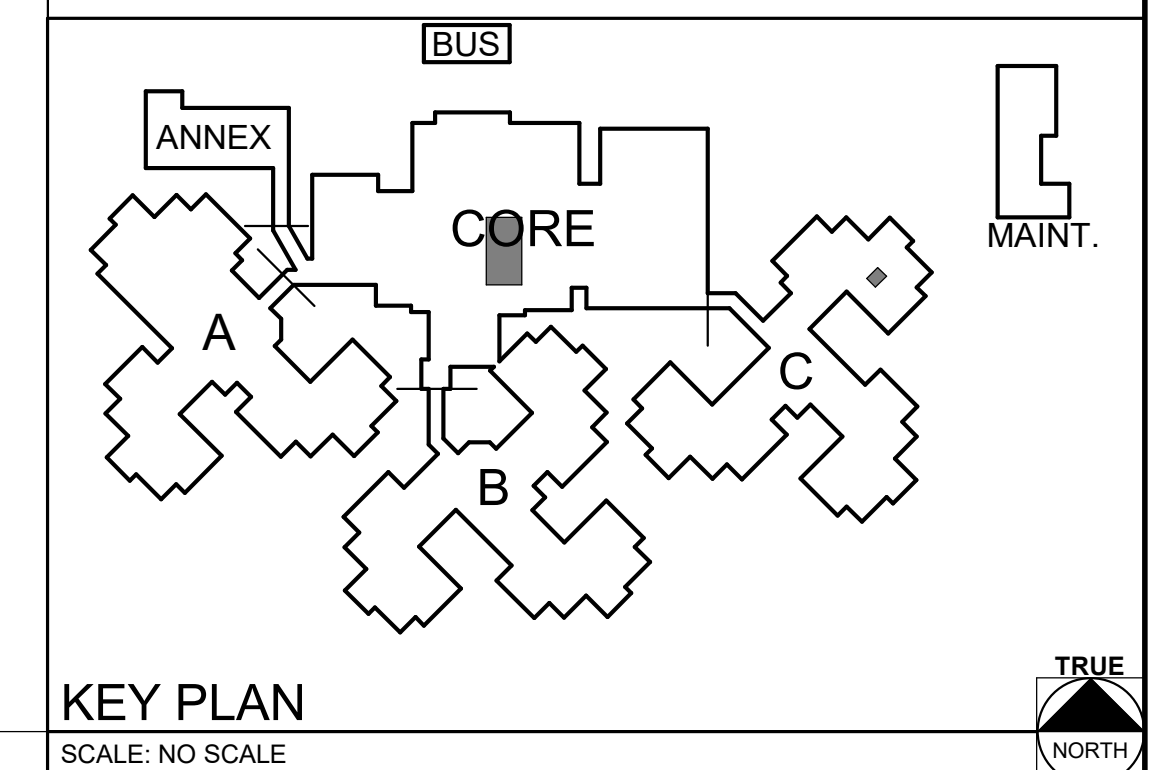
1	RELOCATE AND REPLACE EXISTING TEMPERATURE SENSOR IN ENCLOSURE SERVING EXISTING FCU'S. EXTEND PLENUM RATED CABLE TO NEW LOCATION INDICATED HERE AND CONCEAL WITHIN DRYWALL PARTITION. FOR EXISTING SENSOR LOCATION, SEE DEMO DRAWING M-102.
2	PROVIDE FLEXIBLE CONNECTOR AT ALL DUCT CONNECTIONS AT UNIT.







- |  |                 |
|--|-----------------|
|  | KEY PLAN        |
|  | SCALE: NO SCALE |

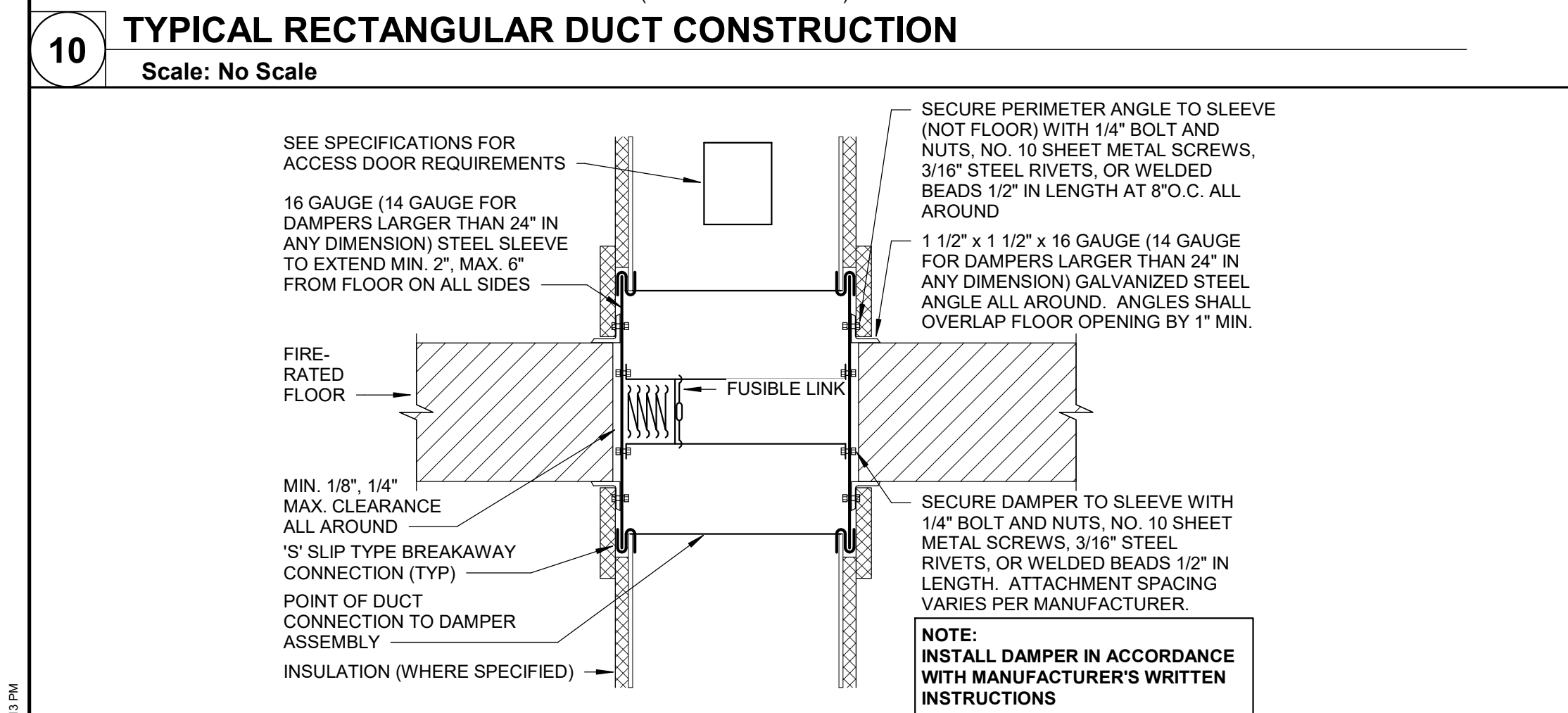
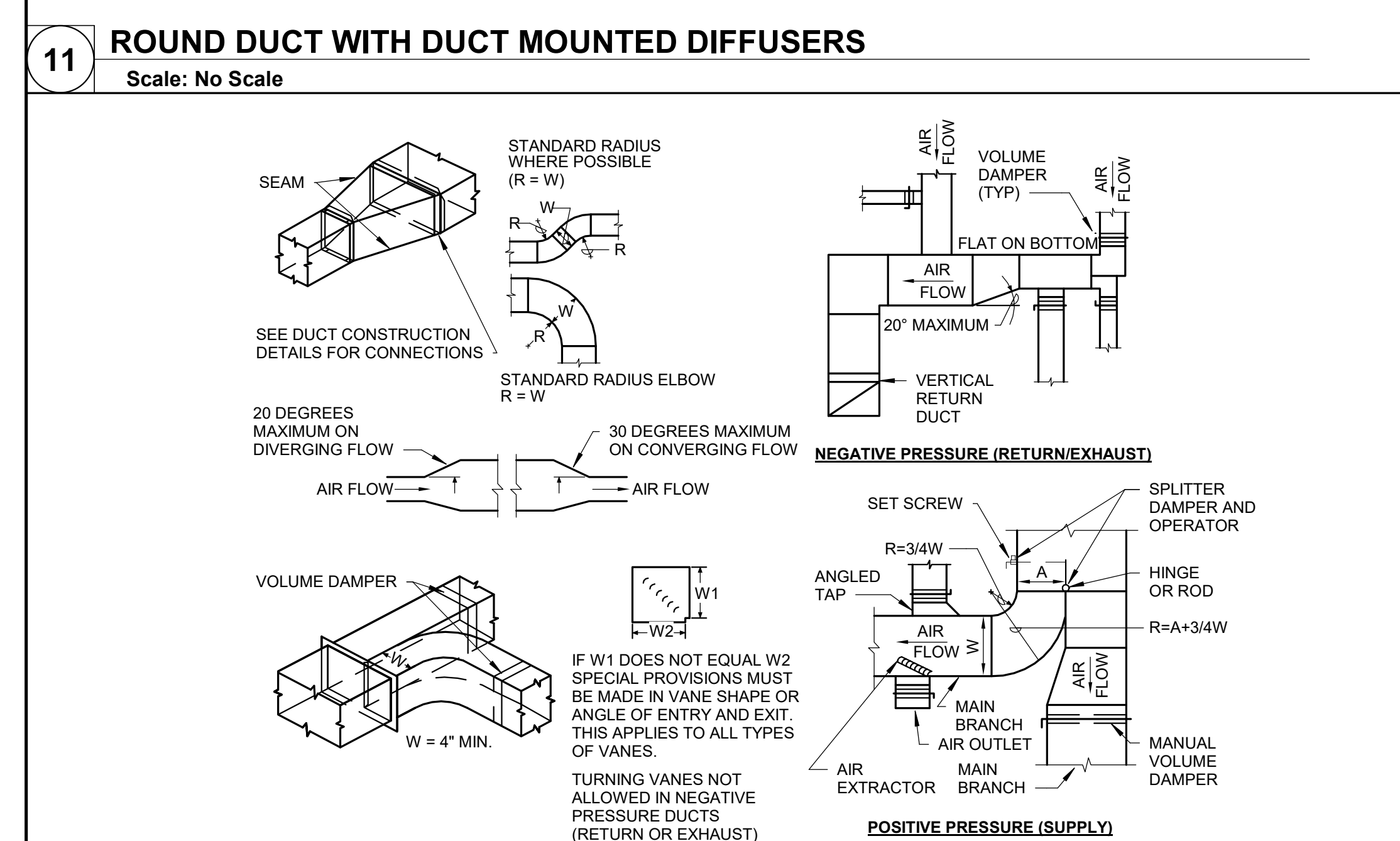
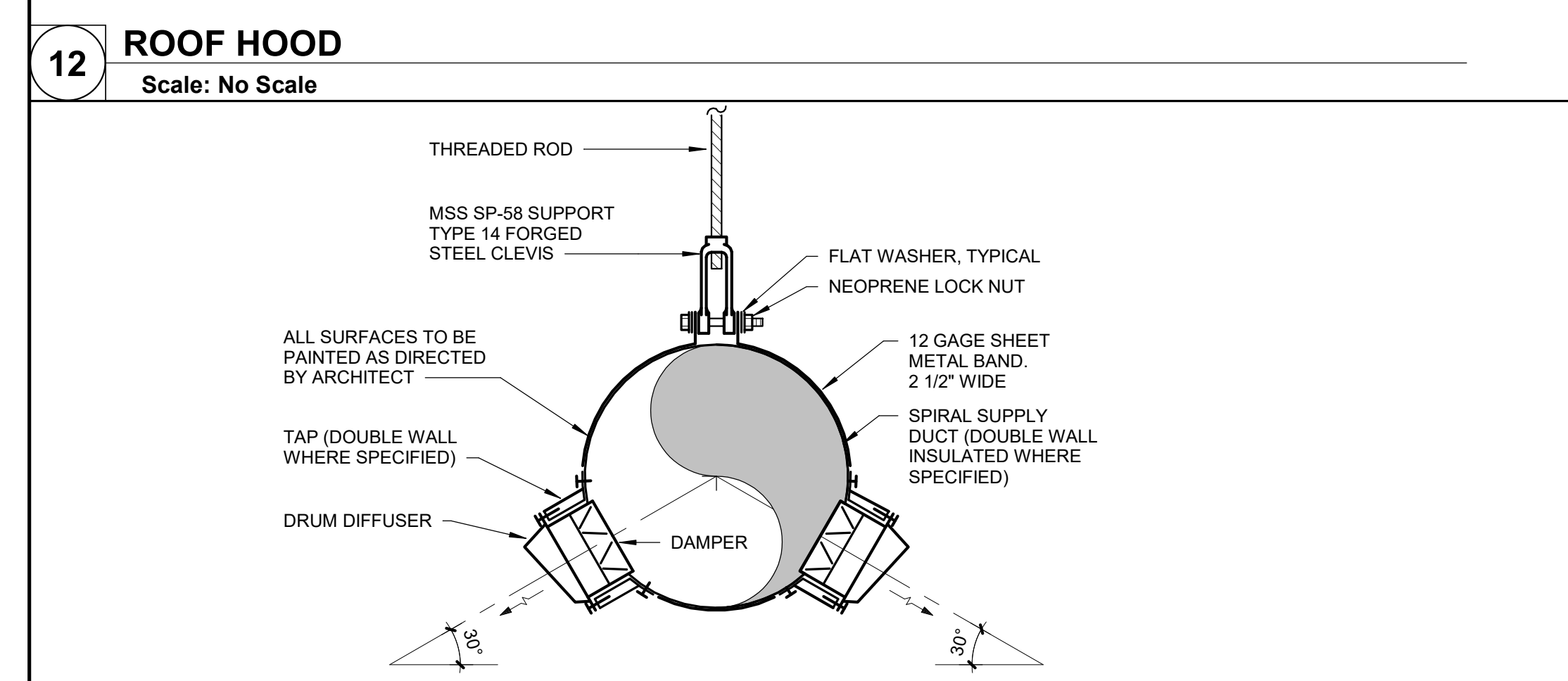
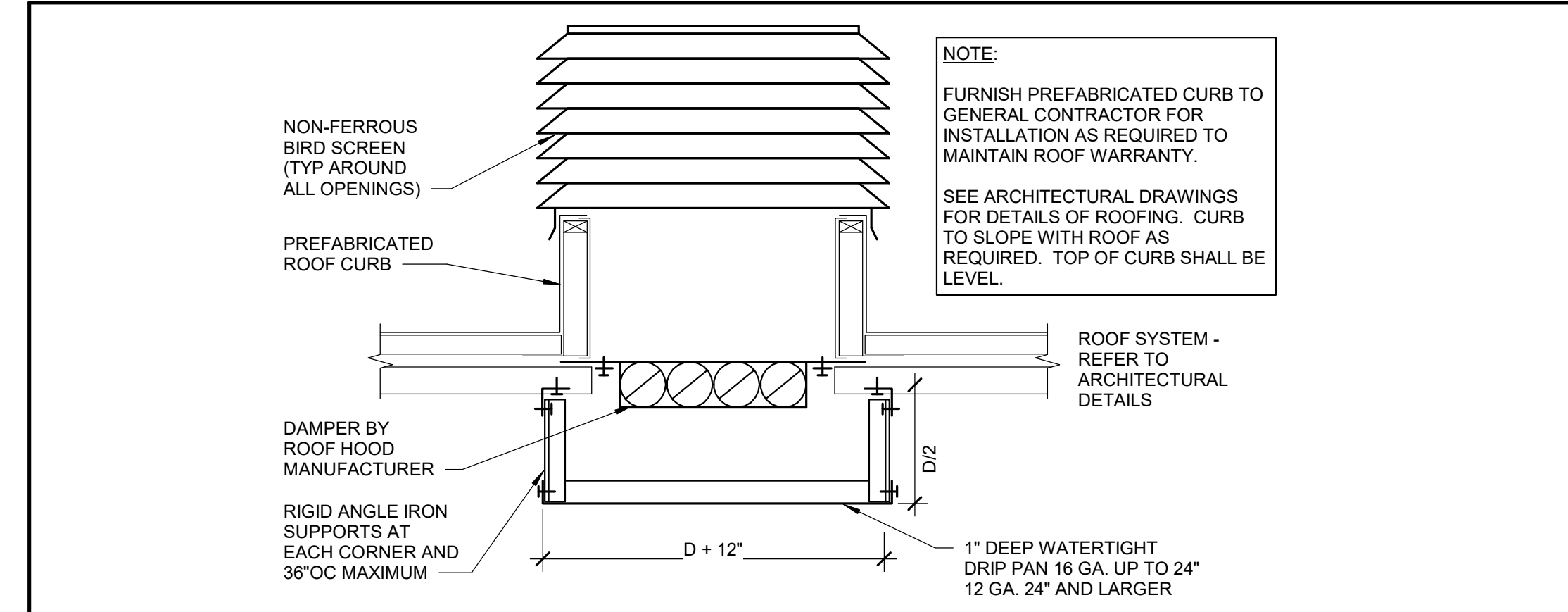


SHEET NUMBER:

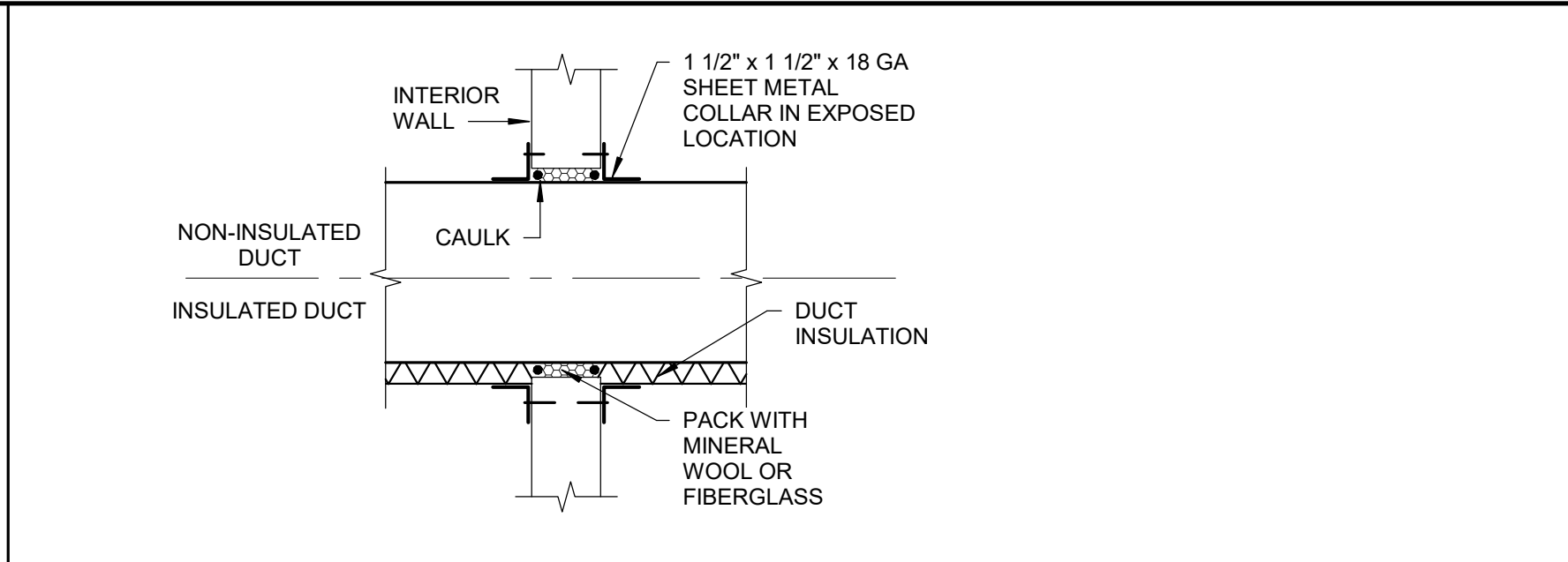
**M-401**

SHEET 150 OF 197  
ISSUE DATE: 08/15/2024

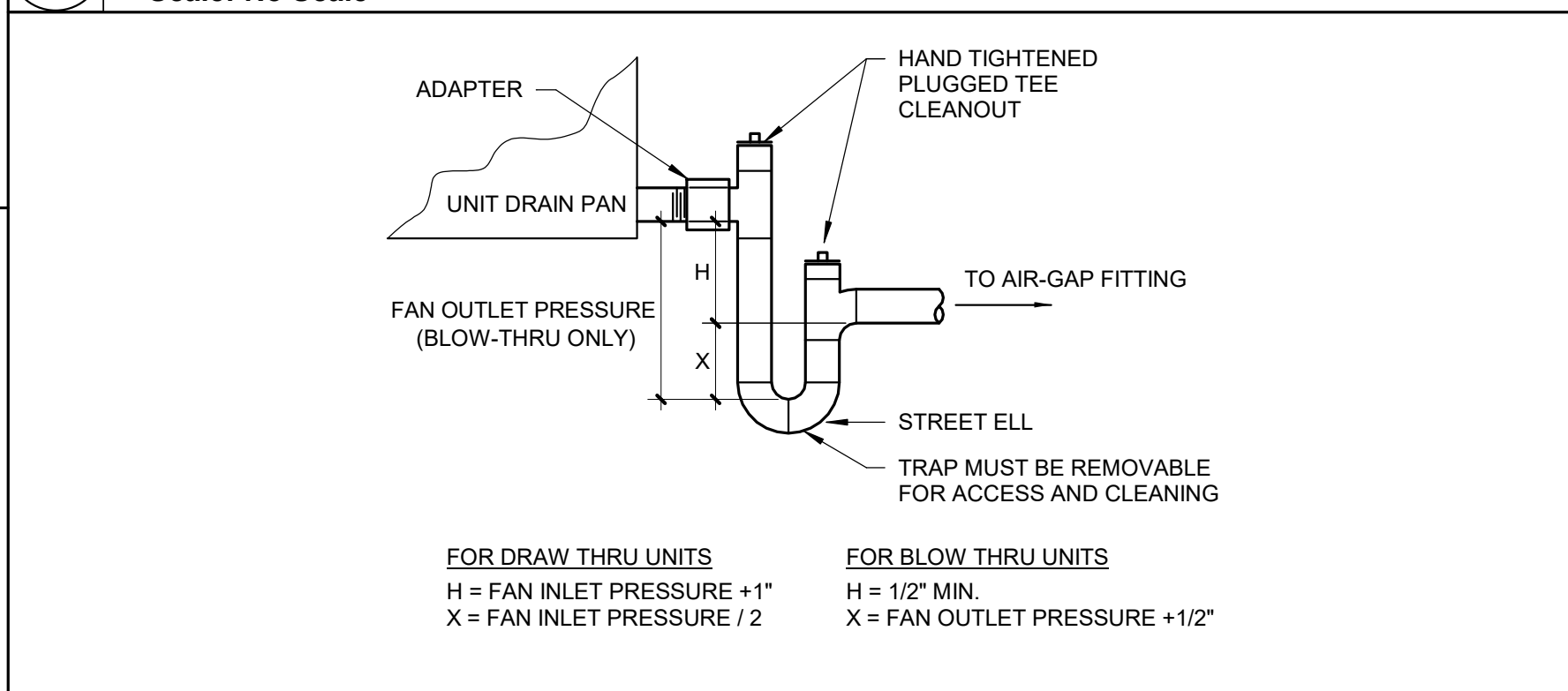




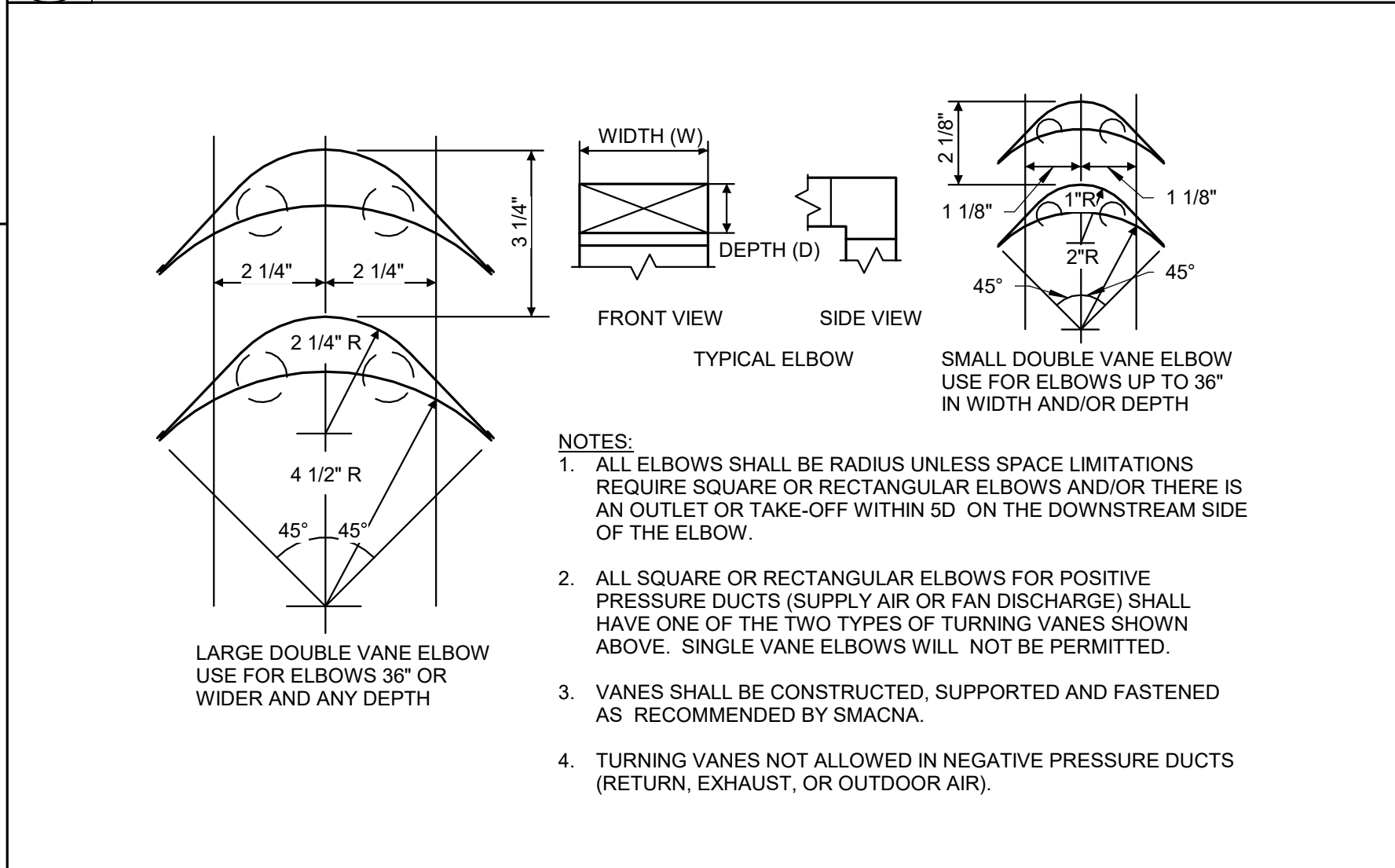
9 FIRE DAMPER (TYPE A) IN FLOOR  
Scale: No Scale



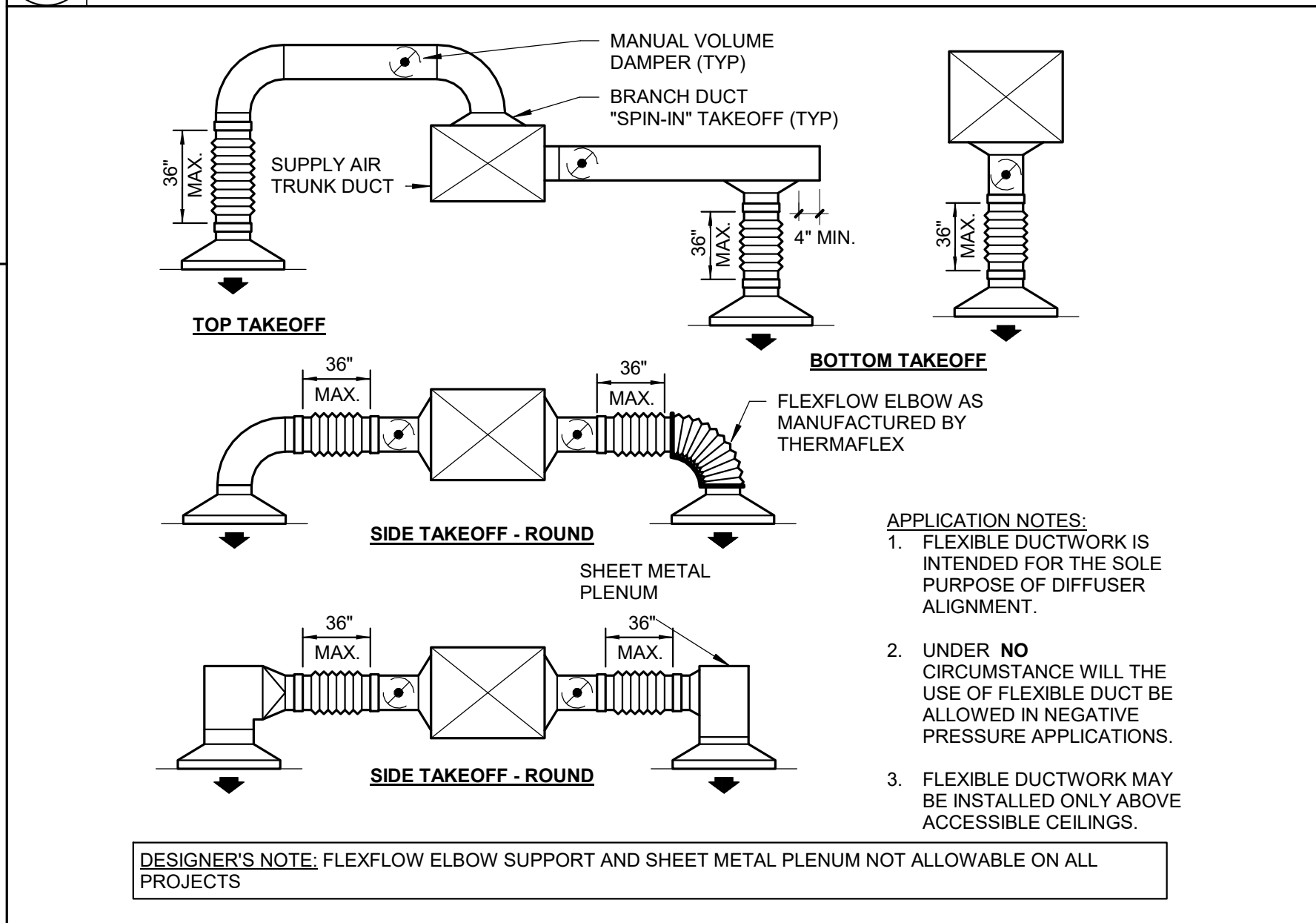
8 DUCT PENETRATION FOR NON-RATED WALLS  
Scale: No Scale



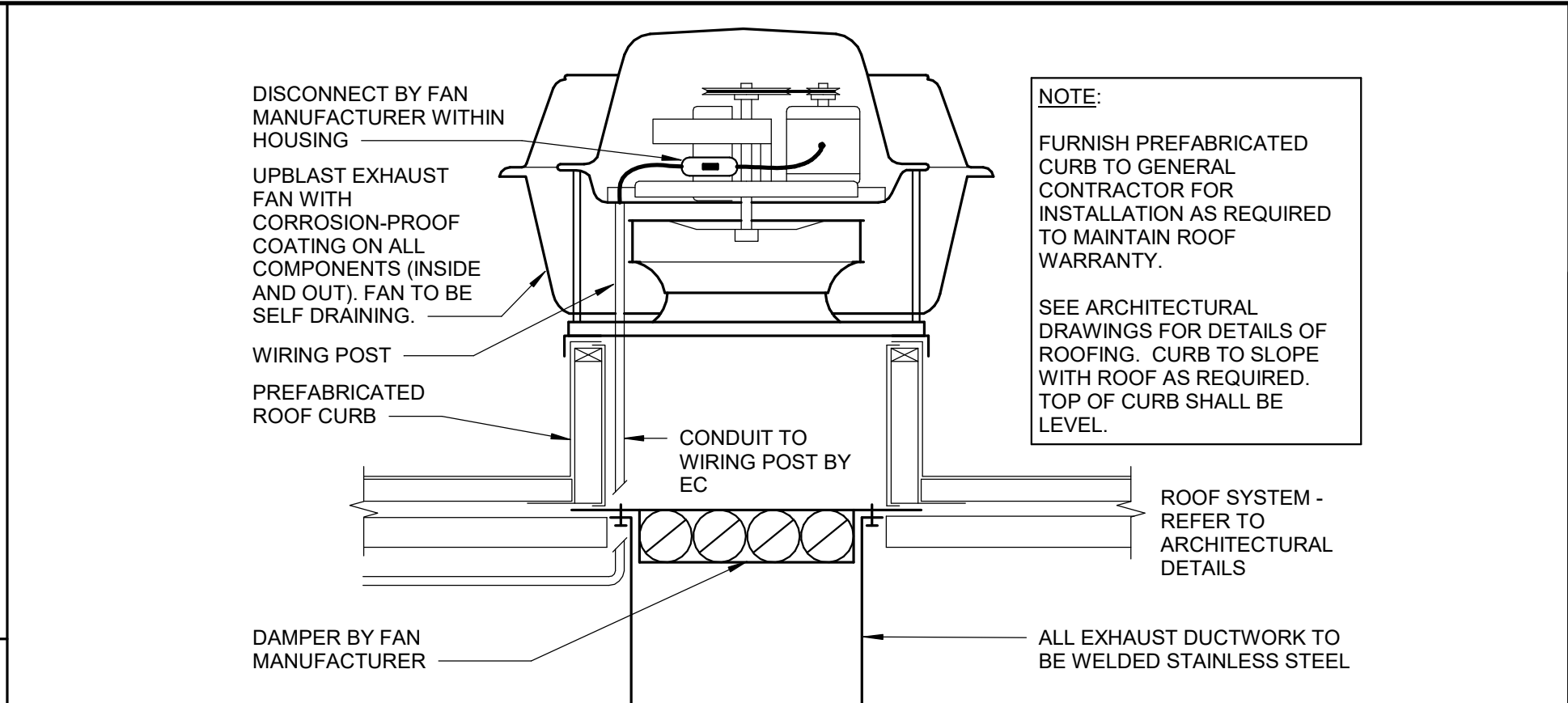
7 CONDENSATE DRAIN  
Scale: No Scale



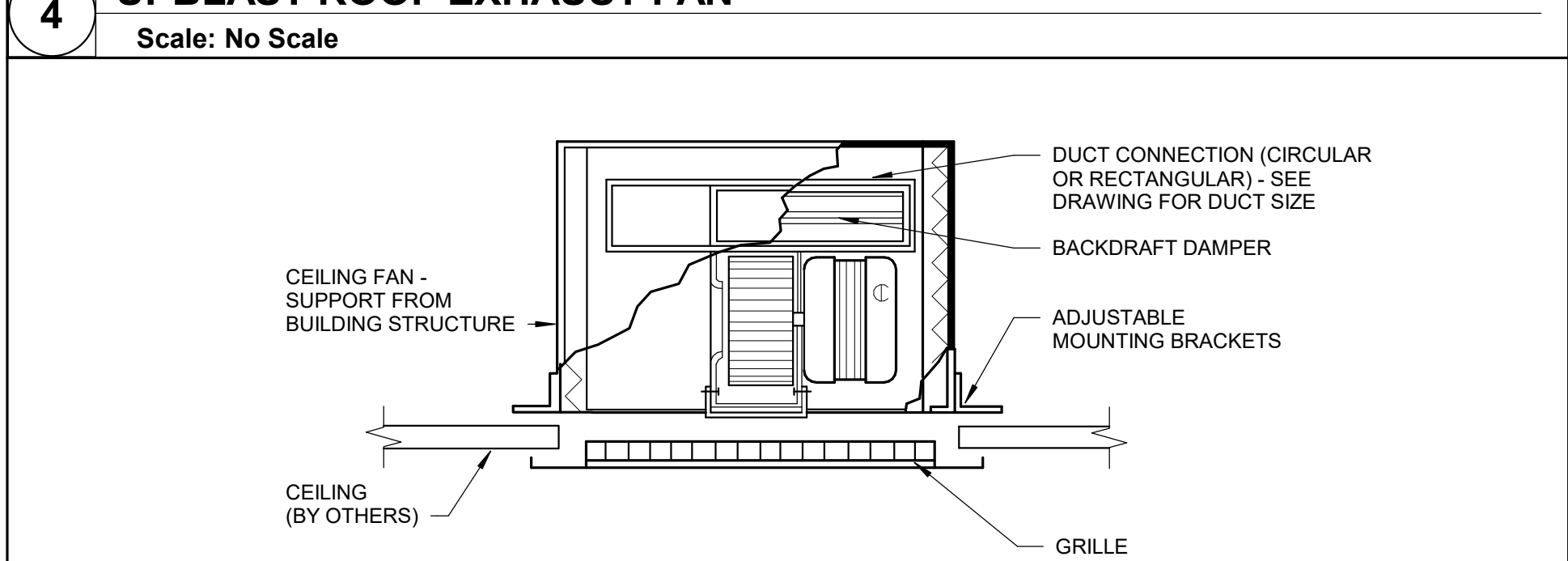
6 TURNING VANES  
Scale: No Scale



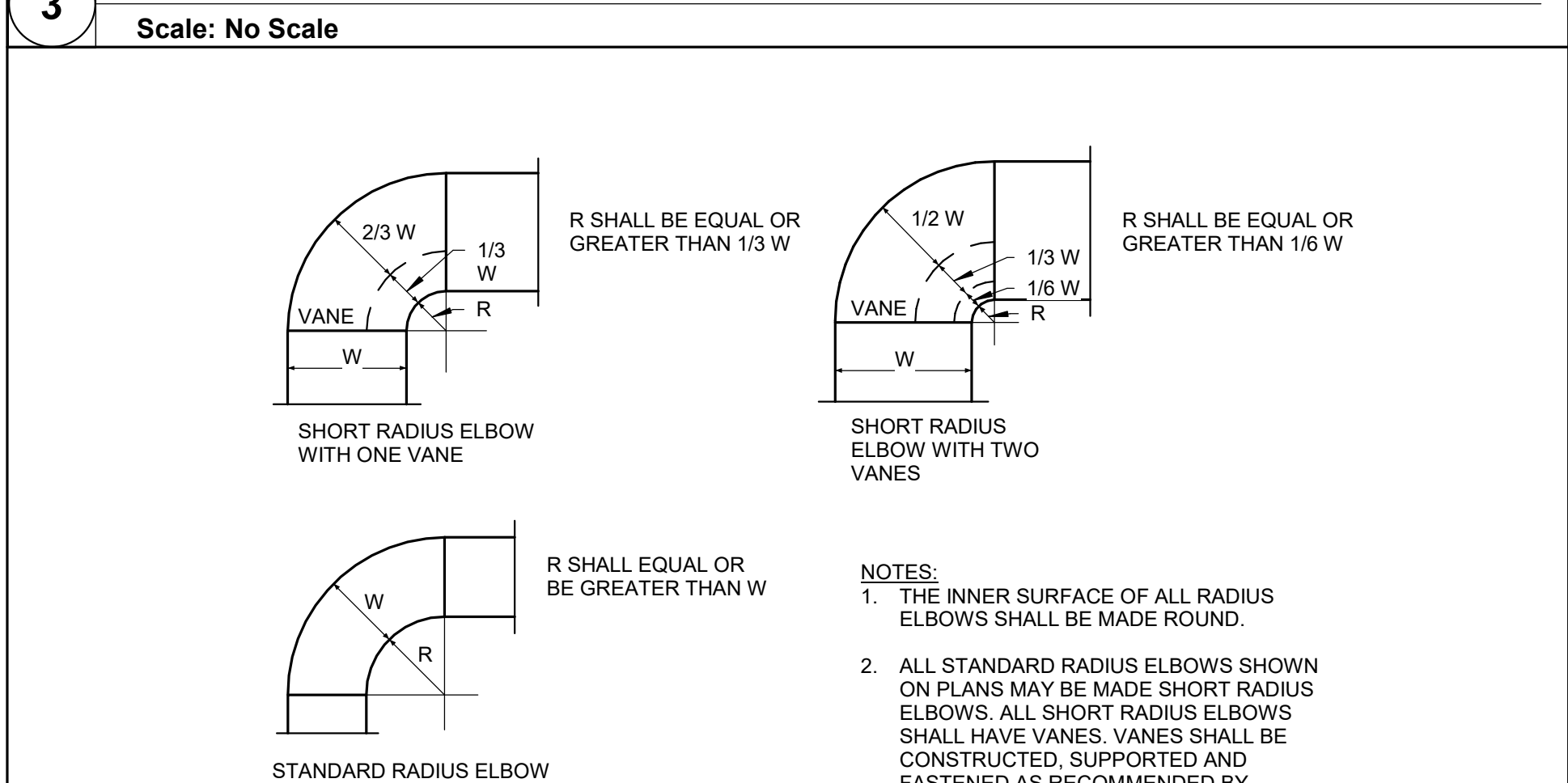
5 FLEXIBLE DUCT CONNECTIONS  
Scale: No Scale



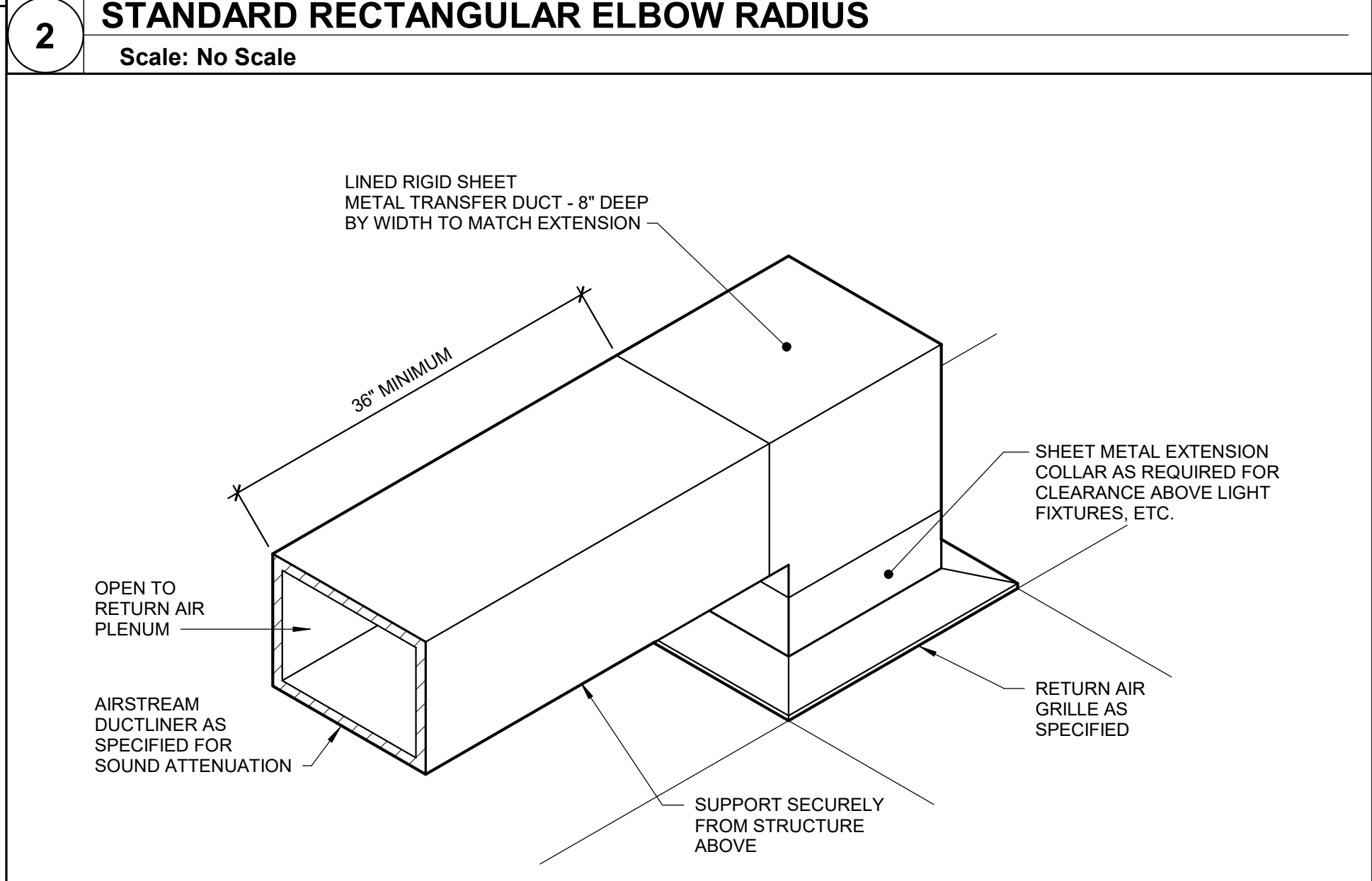
4 UPBLAST ROOF EXHAUST FAN  
Scale: No Scale



3 CEILING FAN  
Scale: No Scale

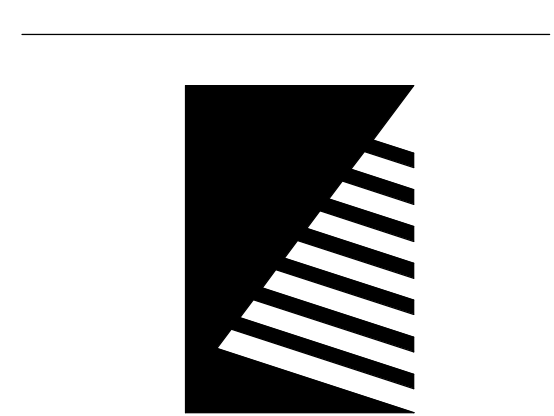
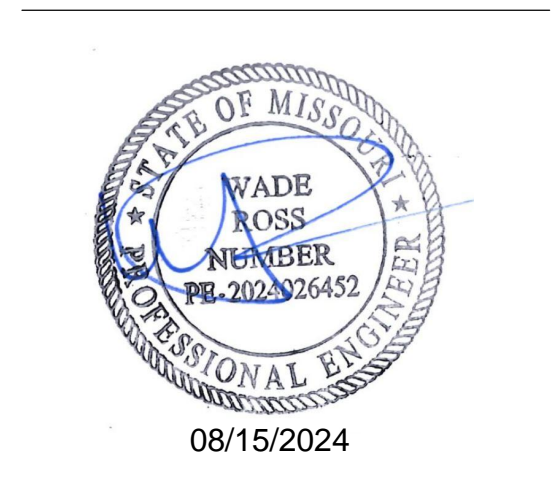


2 STANDARD RECTANGULAR ELBOW RADIUS  
Scale: No Scale



1 RETURN AIR GRILL OPEN TO PLENUM  
Scale: No Scale

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



**Farnsworth**  
GROUP  
20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**  
08/15/2024

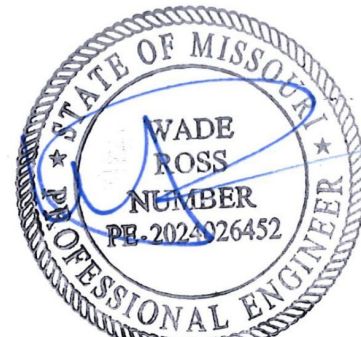
OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION  
MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**  
2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

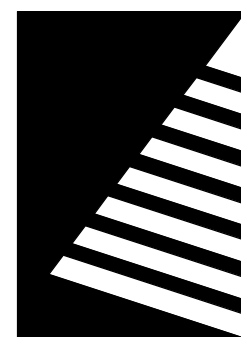
PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK  
SHEET TITLE:  
**MECHANICAL  
DETAILS**  
SHEET NUMBER:  
**M-501**  
SHEET 151 OF 197  
ISSUE DATE: 08/15/2024





08/15/2024



## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

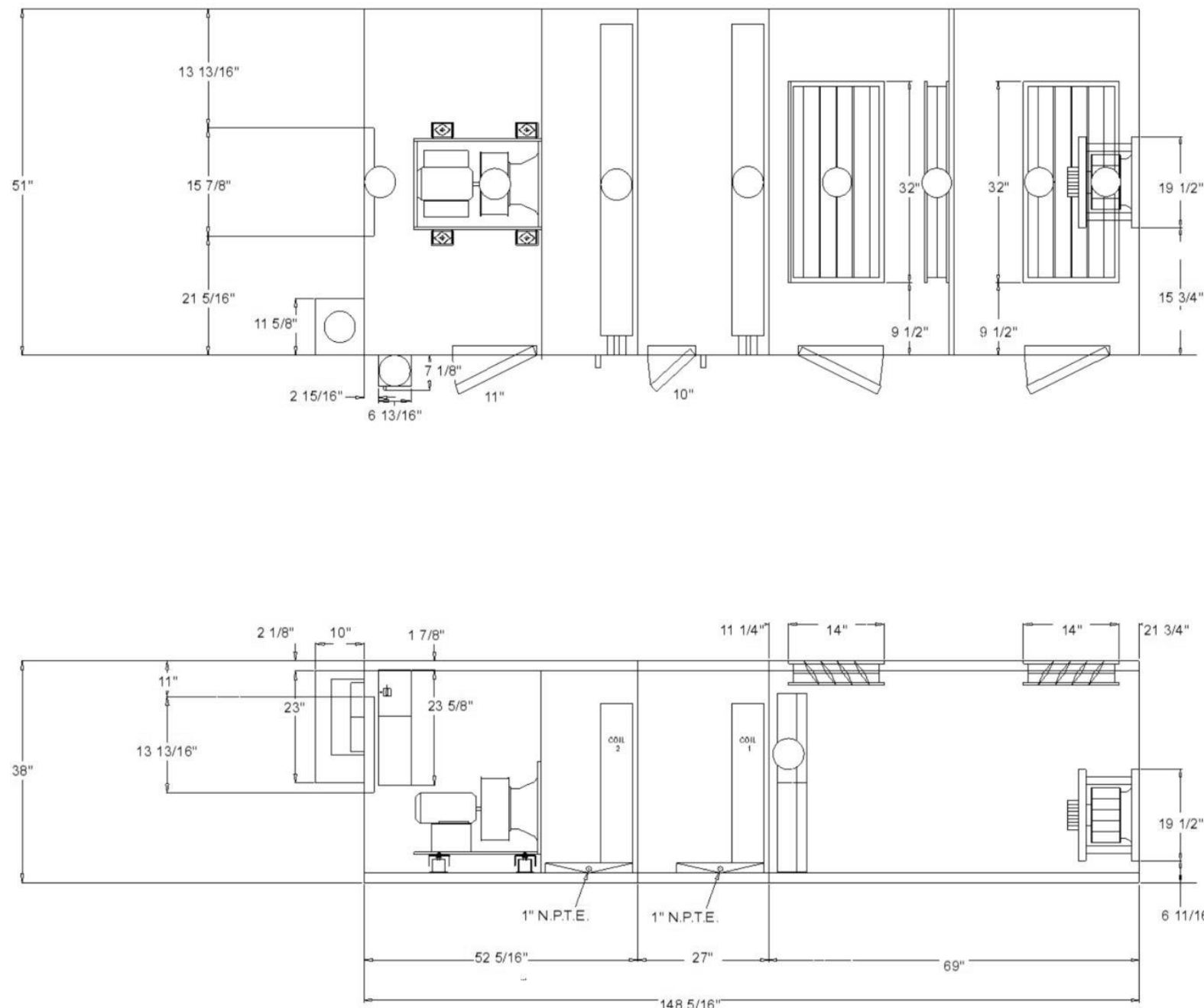
SHEET TITLE:

## MECHANICAL DETAILS

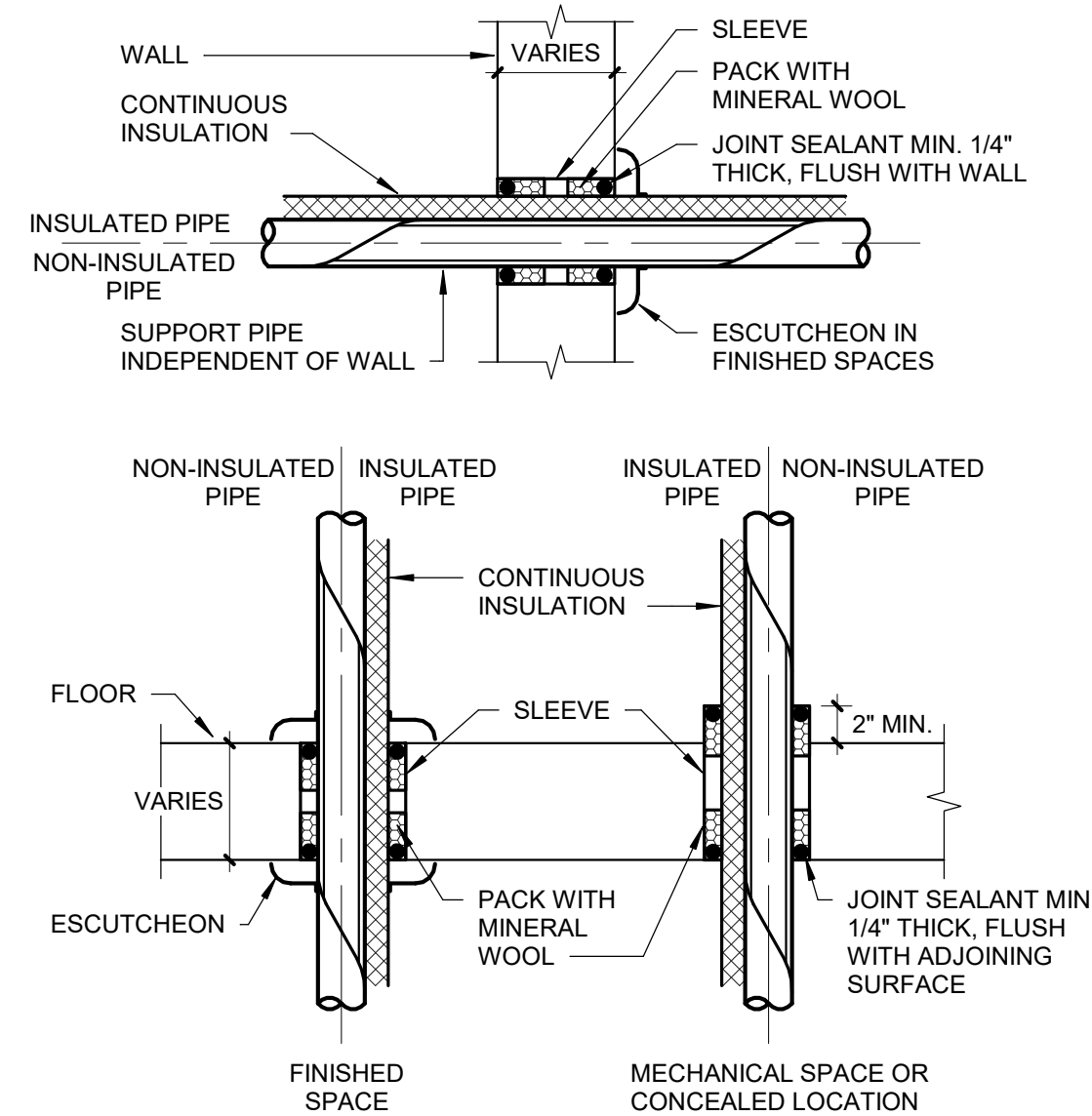
SHEET NUMBER:

# M-502

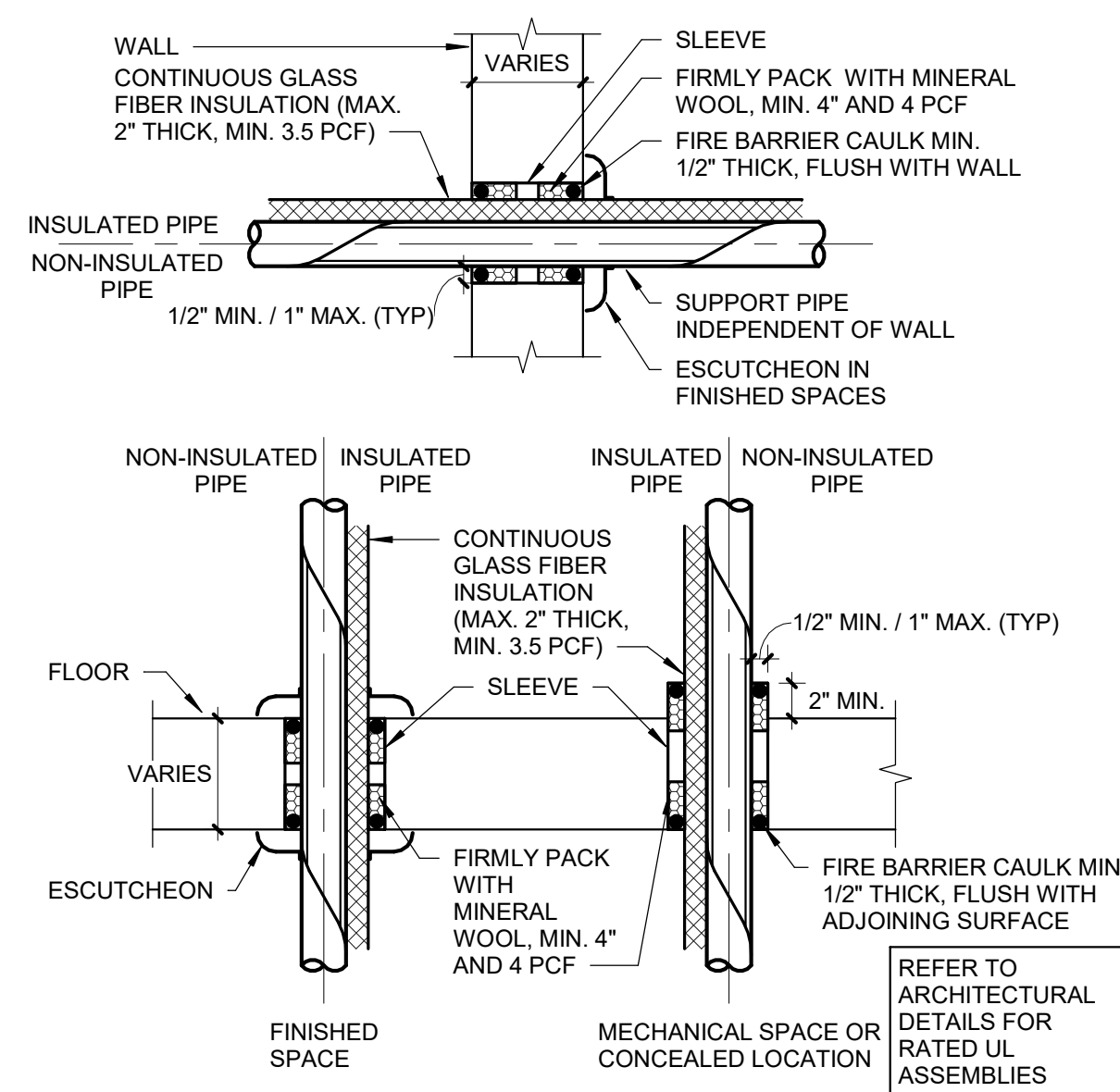
SHEET 152 OF 197  
ISSUE DATE: 08/15/2024



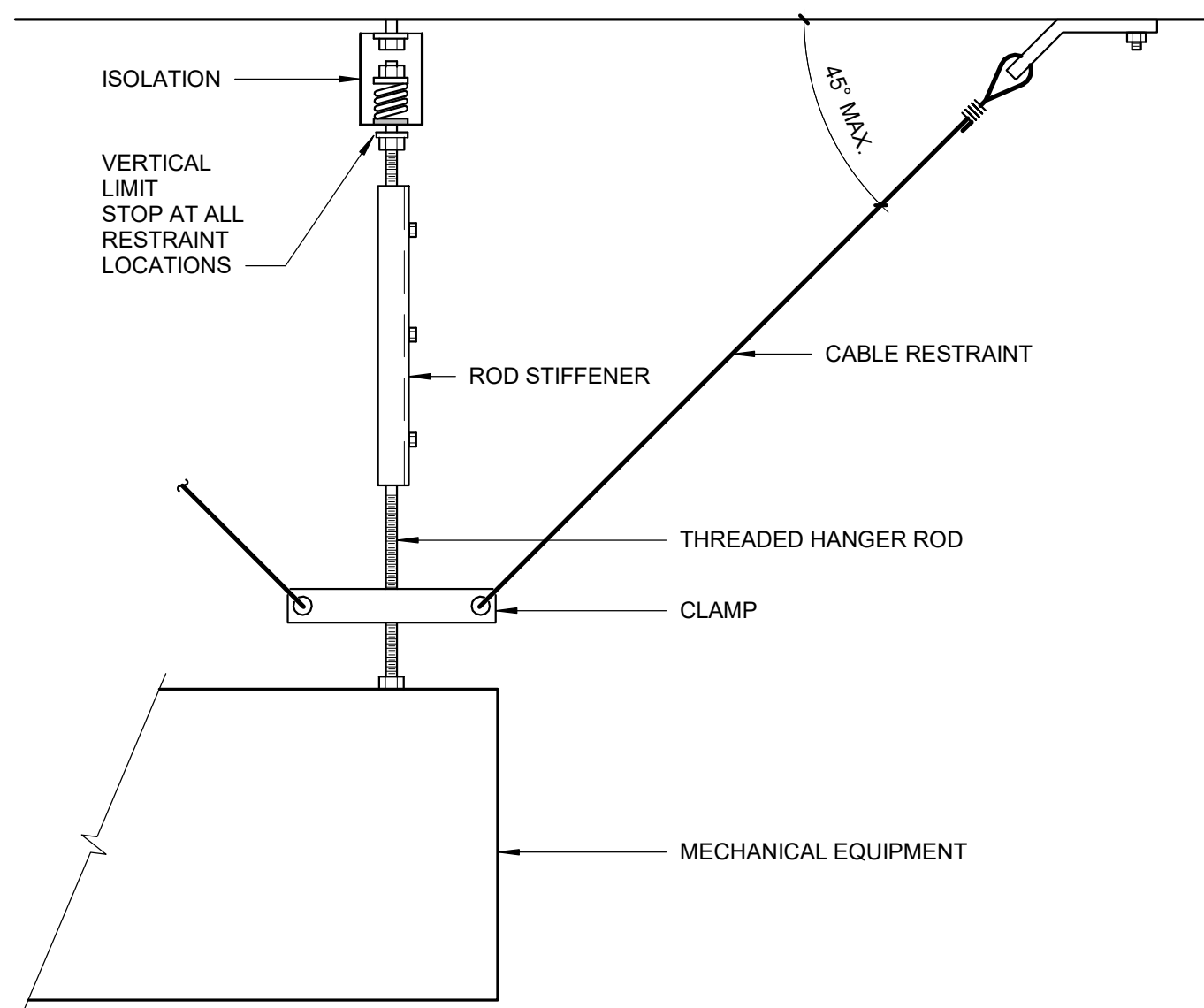
10 AHU 29 & AHU 30  
Scale: No Scale



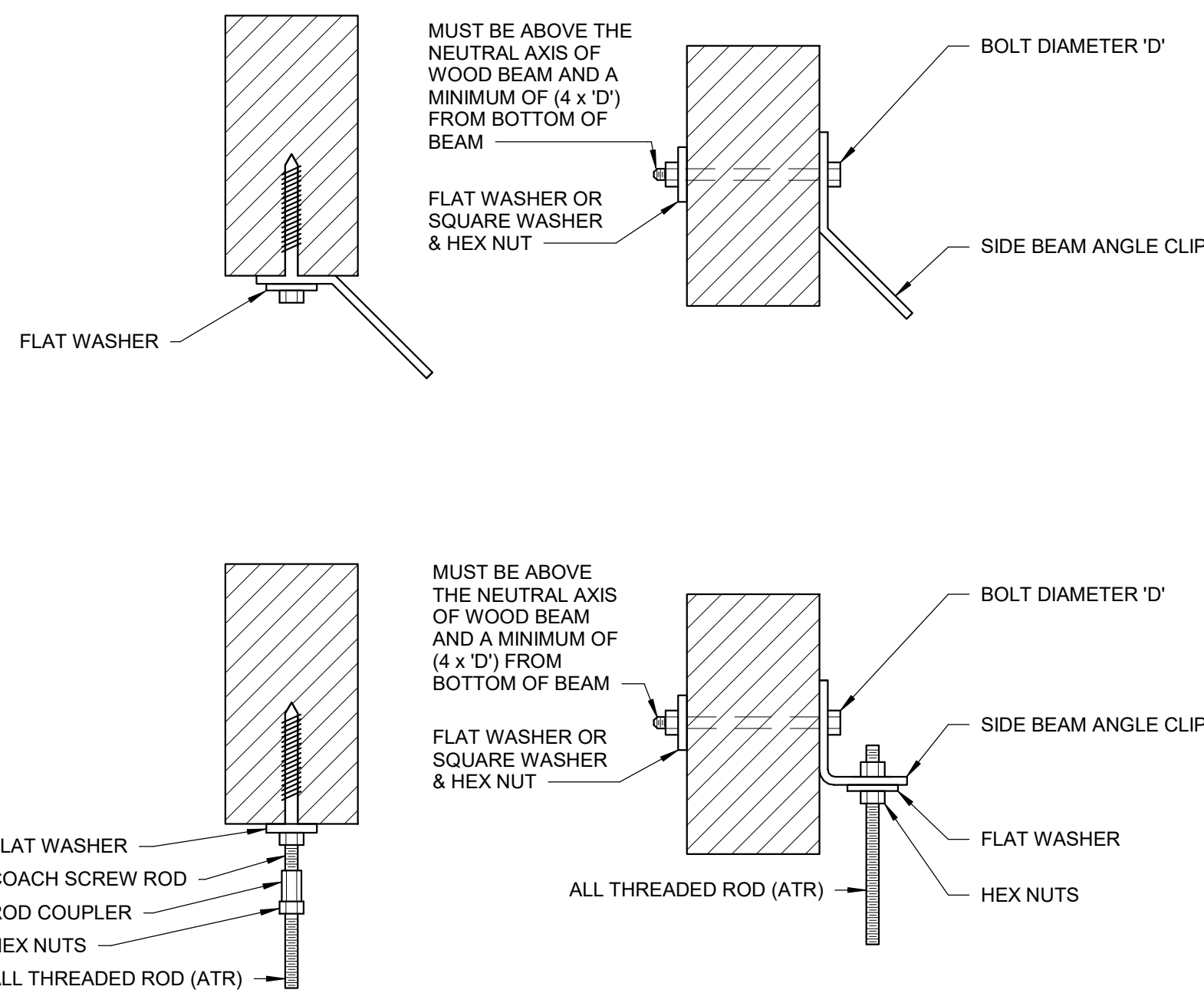
9 PIPE PENETRATION FOR NON-RATED WALLS AND FLOORS  
Scale: No Scale



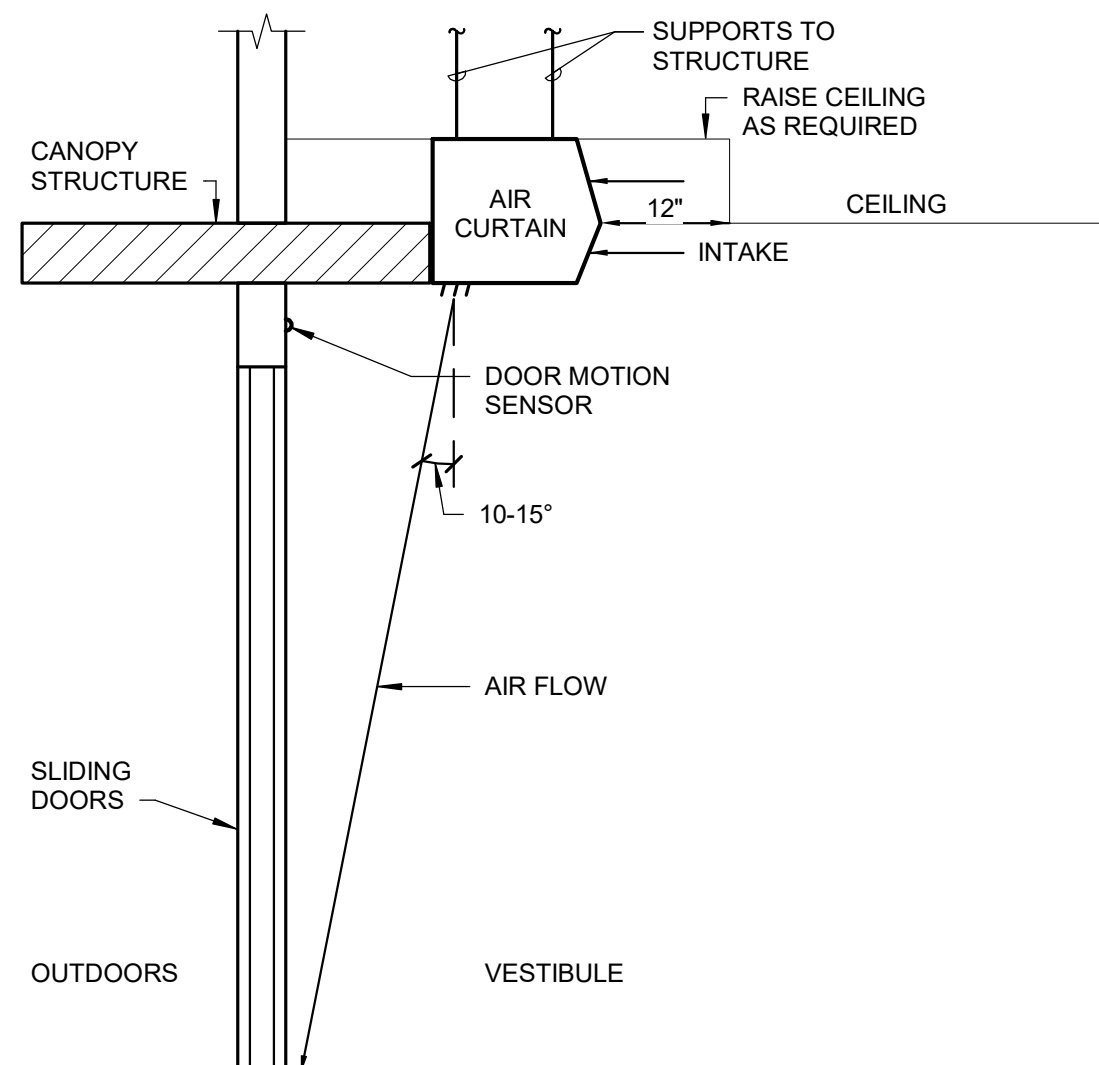
8 PIPE PENETRATION FOR FIRE-RATED WALLS AND FLOORS  
Scale: No Scale



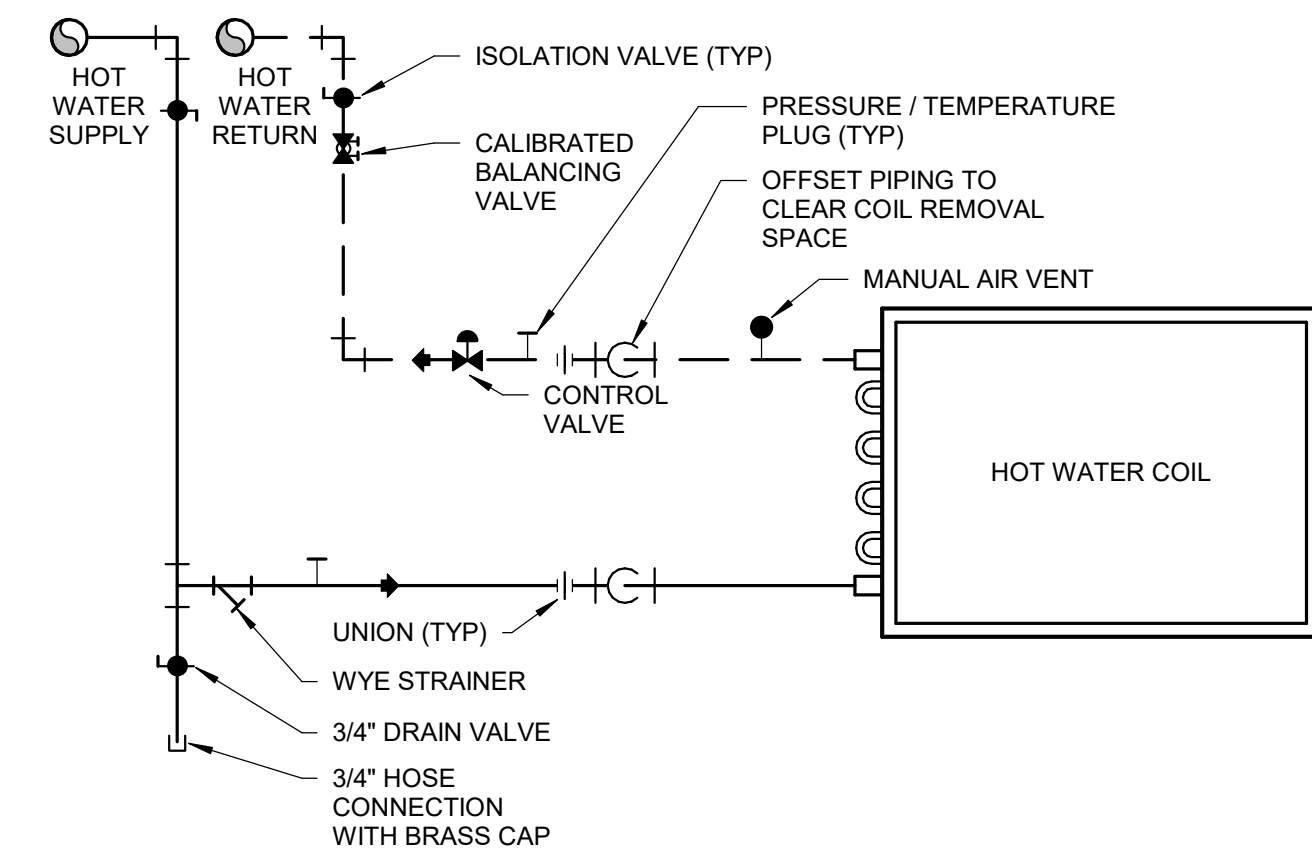
7 SEISMIC RESTRAINT CABLES  
Scale: No Scale



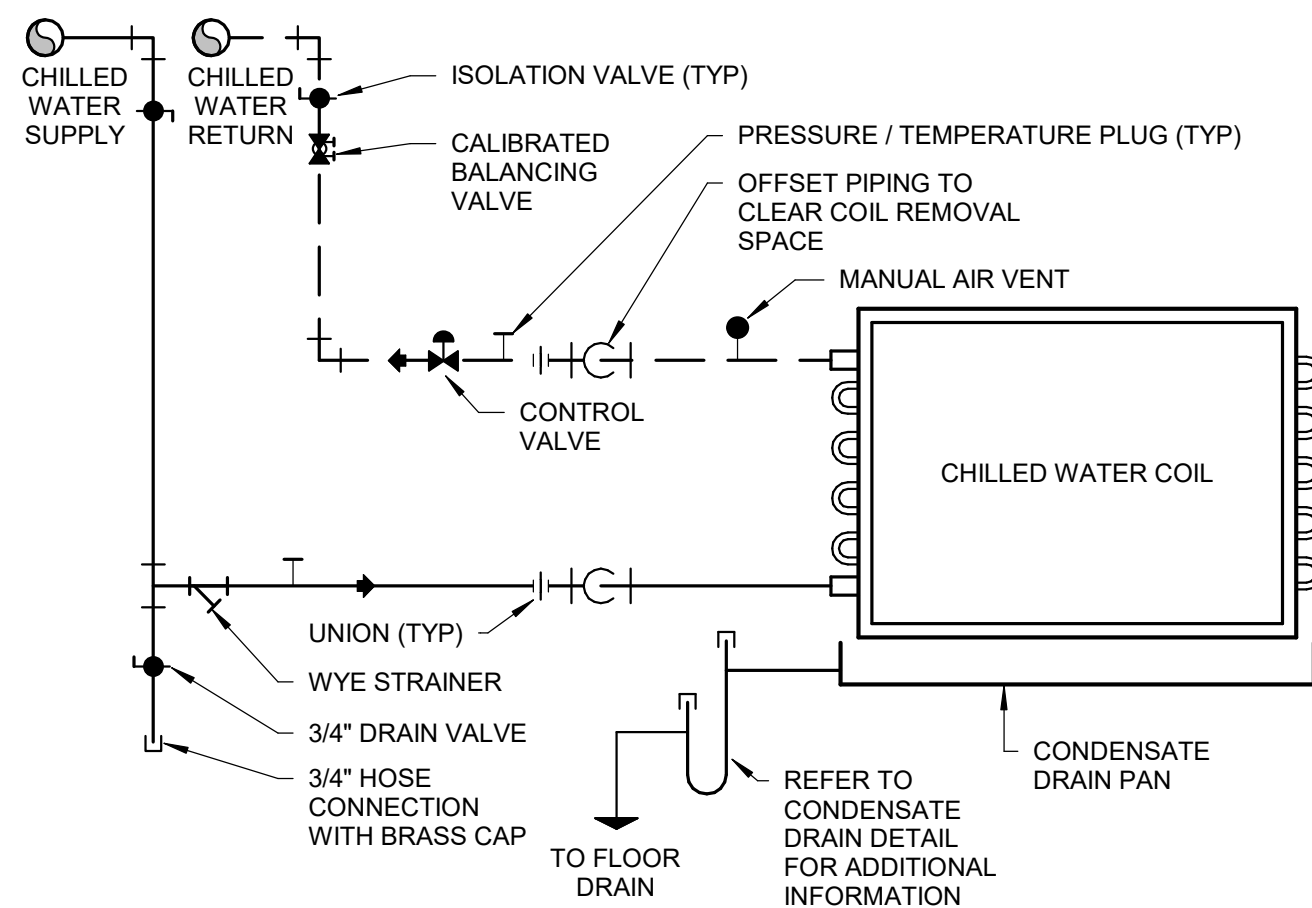
6 SEISMIC SUPPORT ATTACHMENTS TO WOOD STRUCTURE  
Scale: No Scale



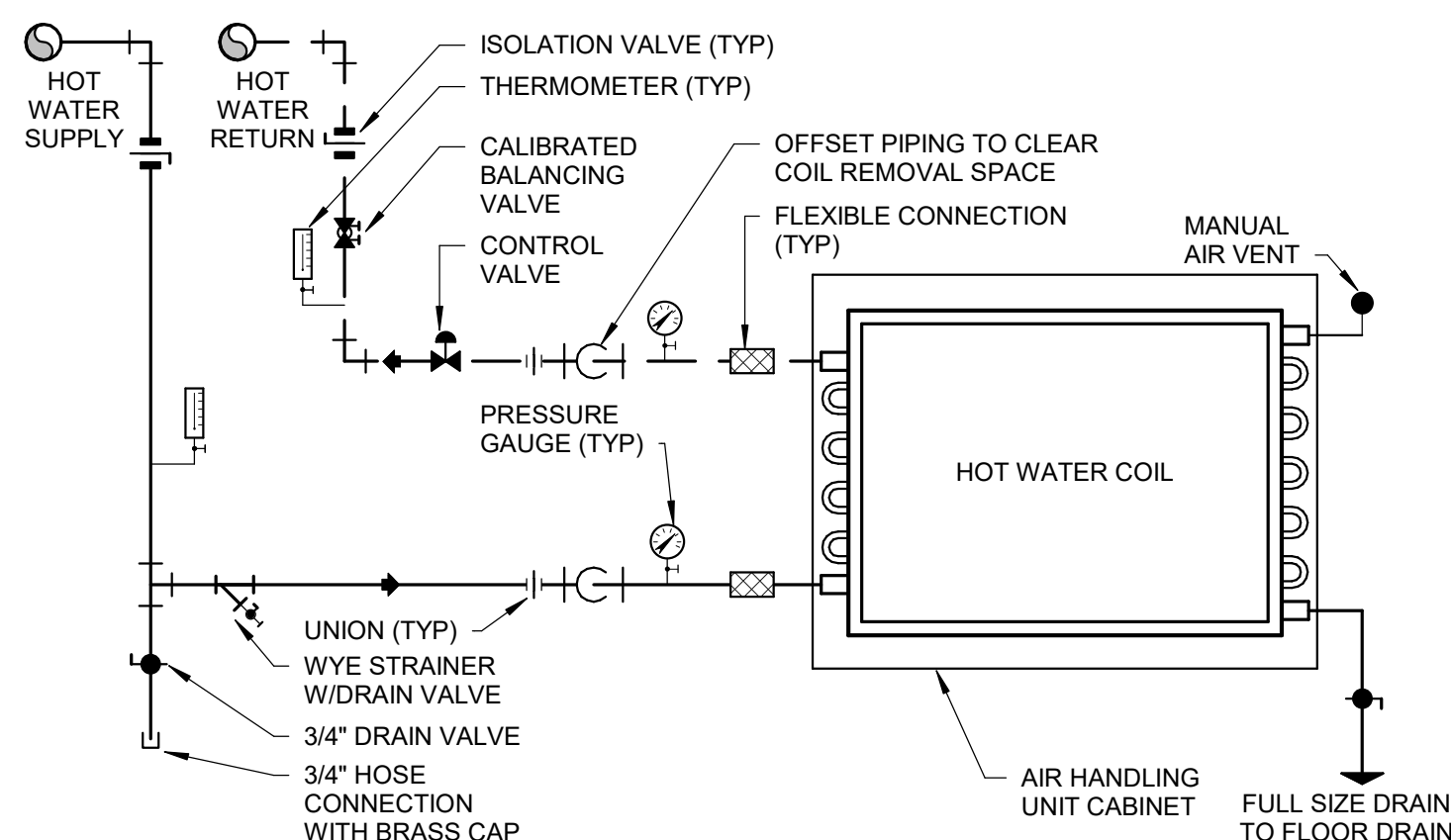
5 AIR CURTAIN FOR OUTER VESTIBULE DOORS  
Scale: No Scale



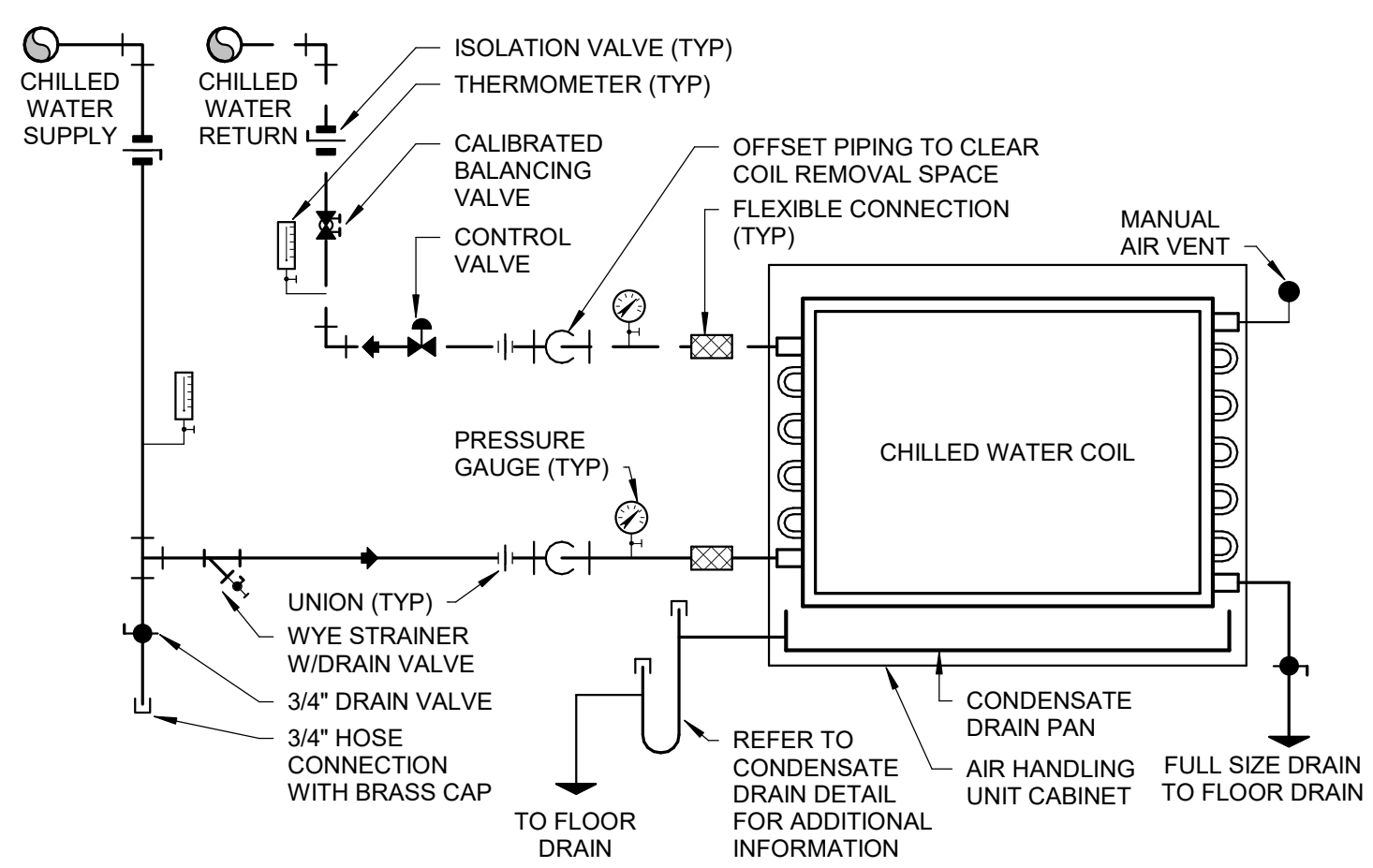
4 FAN COIL UNIT HOT WATER COIL W/2-WAY VALVE  
Scale: No Scale



3 FAN COIL UNIT CHILLED WATER COIL W/2-WAY VALVE  
Scale: No Scale

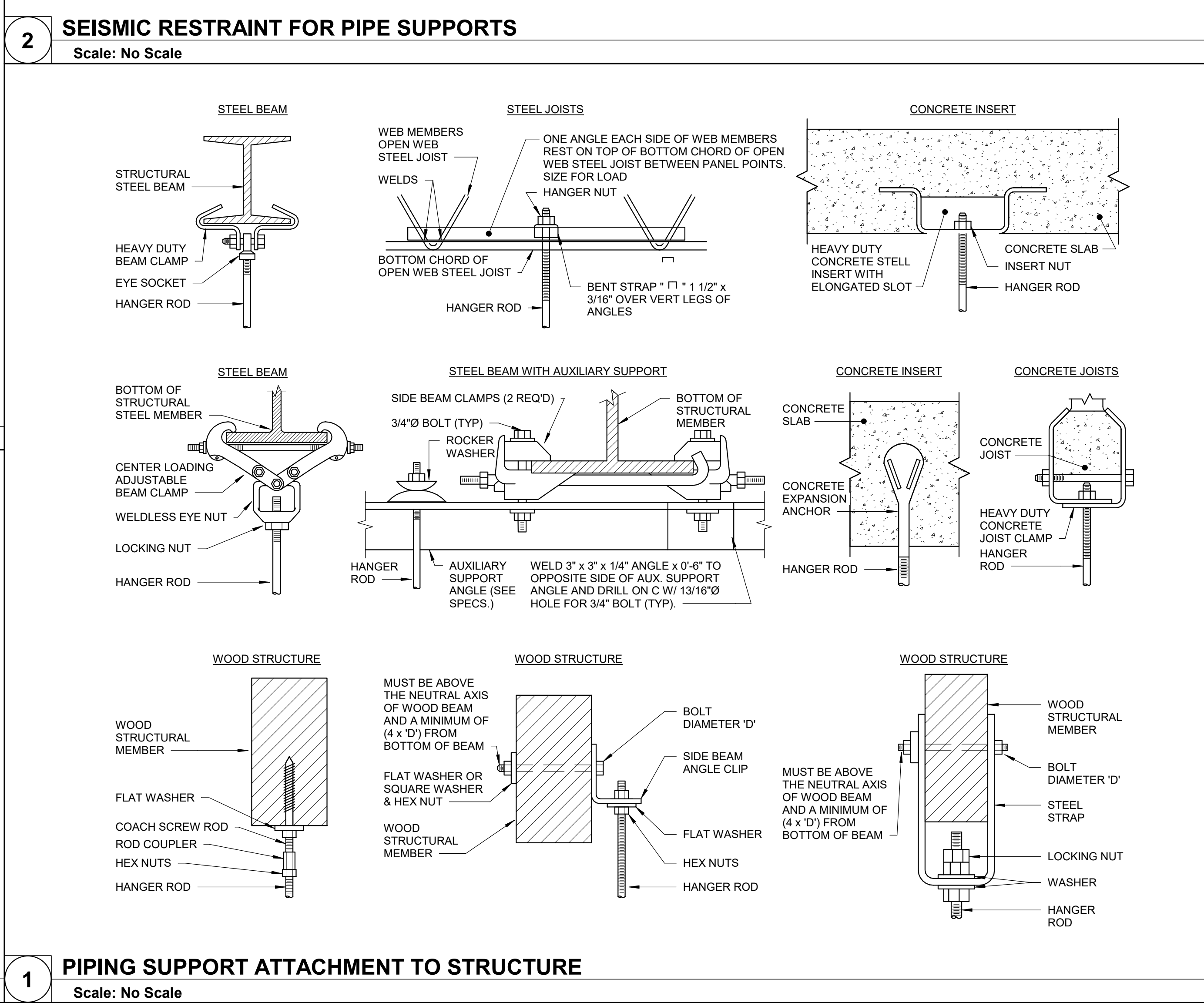
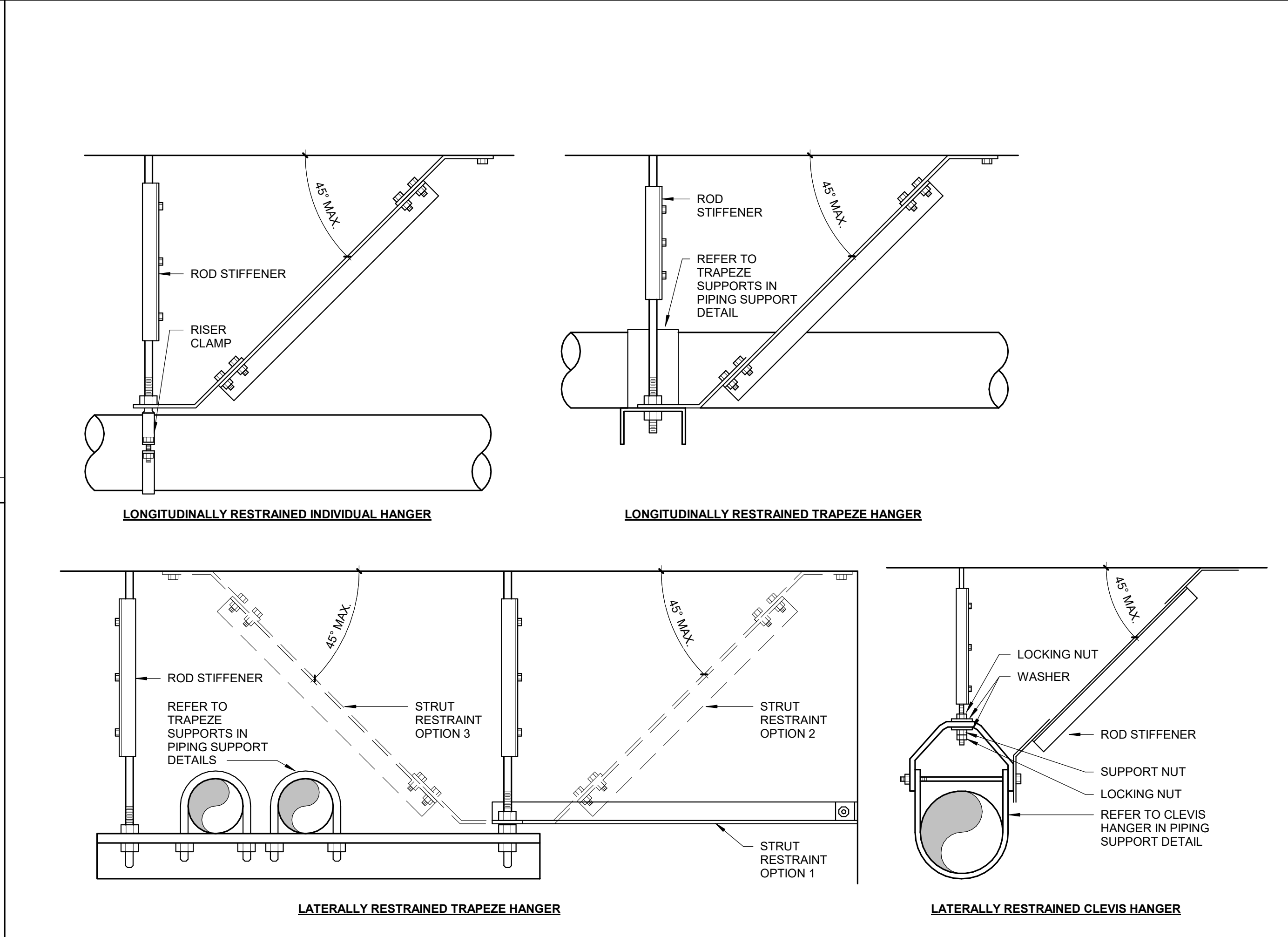
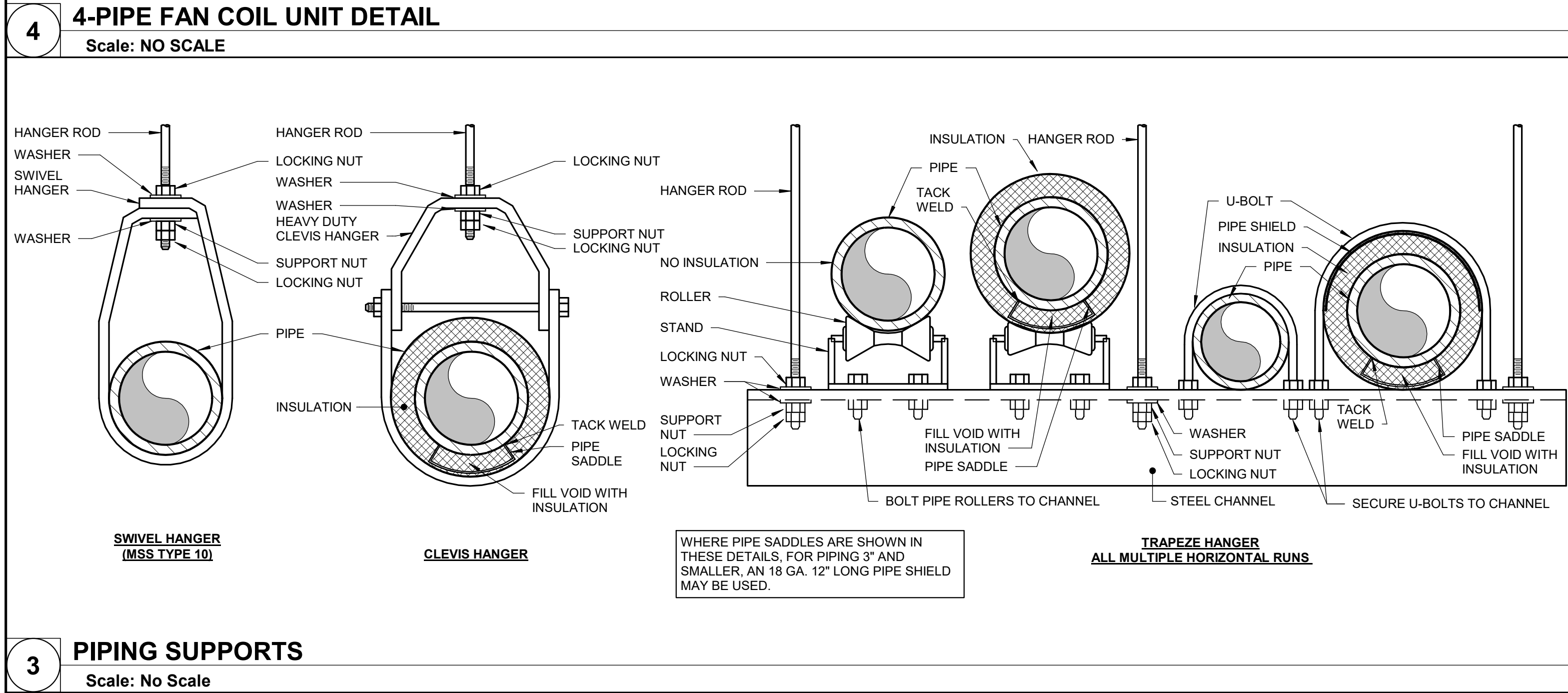
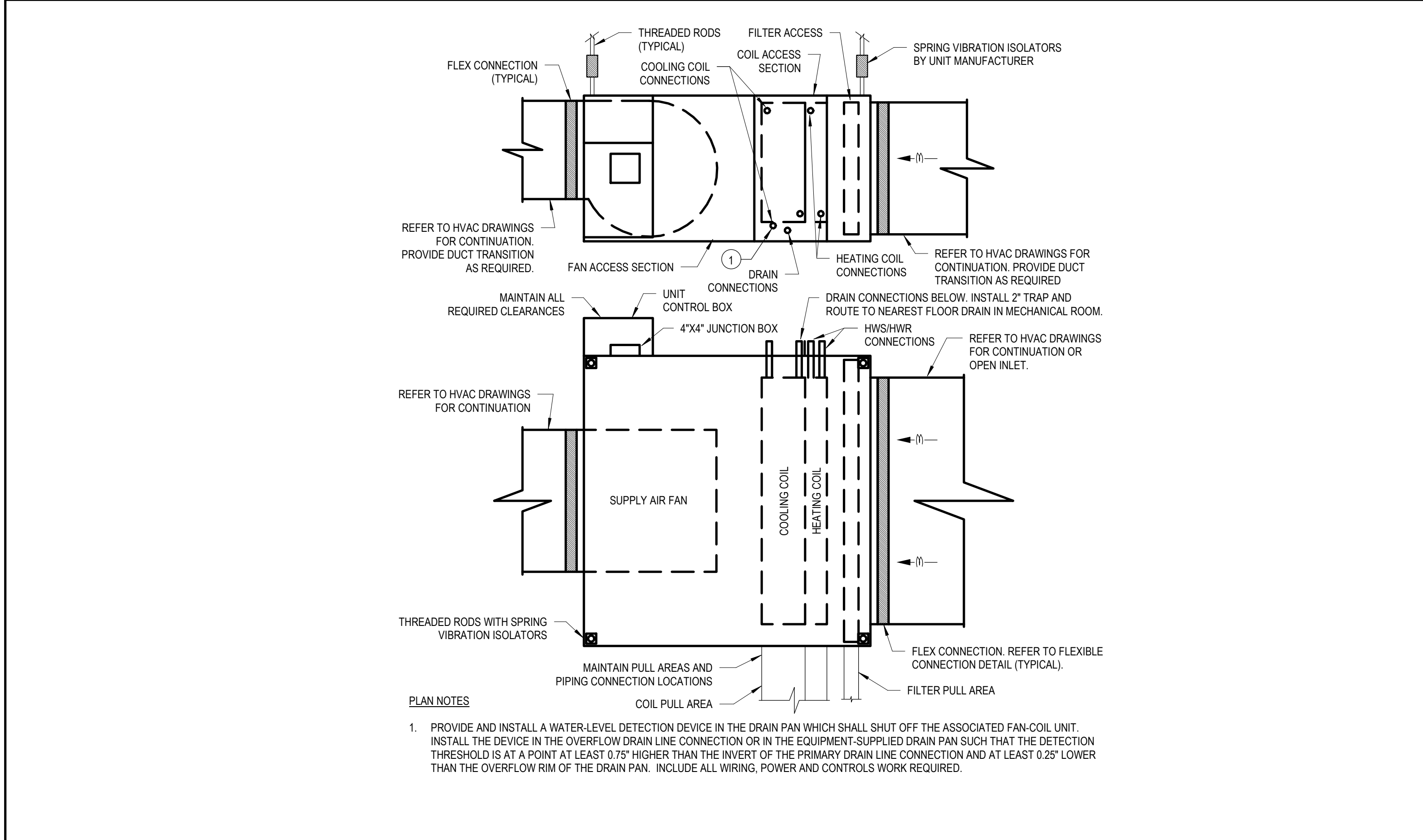
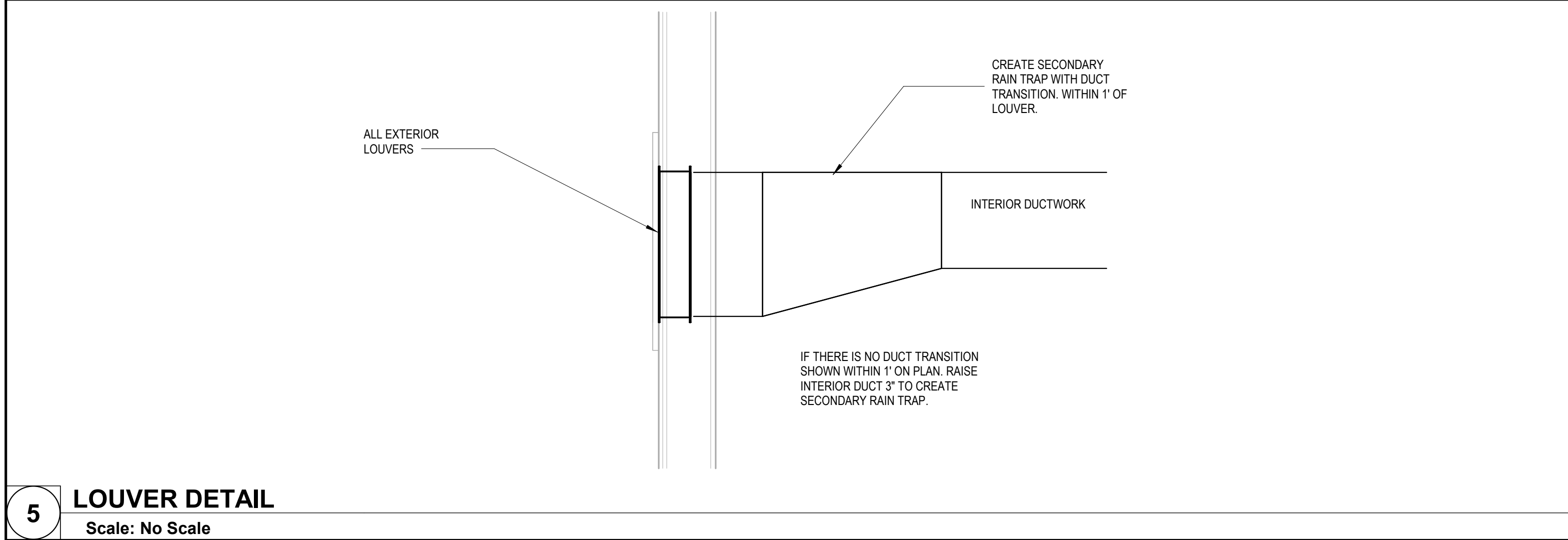


2 AIR HANDLING UNIT HOT WATER COIL W/2-WAY VALVE  
Scale: No Scale

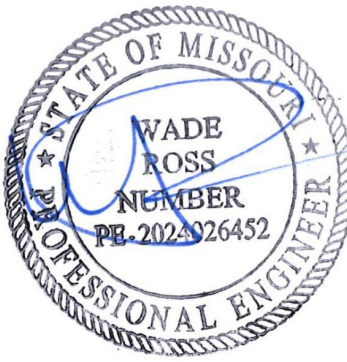


1 AIR HANDLING UNIT CHILLED WATER COIL W/2-WAY VALVE  
Scale: No Scale

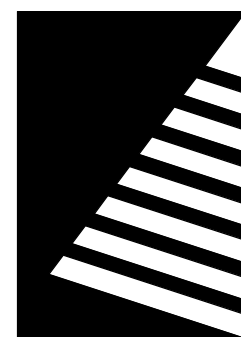




STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

SHEET TITLE:  
**MECHANICAL  
DETAILS**

SHEET NUMBER:

**M-503**

SHEET 153 OF 197  
ISSUE DATE: 08/15/2024



AIR HANDLING UNIT SCHEDULE																																																				
MARK	MAKE	MODEL	LOCATION	SERVICE	CONFIG.	SUPPLY FAN							RETURN FAN						HEATING COIL								COOLING COIL										ELECTRICAL DATA			PHYSICAL DATA				REMARKS								
						CFM	MIN. OA CFM	TSP (IN. W.C.)	ESP (IN. W.C.)	BHP	HP	FLA	MCA	RPM	CFM	TSP (IN. W.C.)	ESP (IN. W.C.)	BHP	FLA	CONTROL VOLTAGE	RPM	CFM	MAX. FACE VEL. (FPM)	MAX. AIR P.D. (IN. W.C.)	TOTAL CAP. (MBH)	FLOW (GPM)	MAX. FLUID P.D. (FT. W.C.)	EWT (%Δ F)	LWT (%Δ F)	EAT (%Δ F)	LAT (%Δ F)	CFM	MAX. FACE VEL. (FPM)	MAX. AIR P.D. (IN. W.C.)	TOTAL CAP. (MBH)	SENS. CAP. (MBH)	FLOW (GPM)	MAX. FLUID P.D. (FT. W.C.)	EWT (%Δ F)	LWT (%Δ F)	EDB (%Δ F)	EWB (%Δ F)	LDB (%Δ F)		LWB (%Δ F)	V/PH	MCA	FLA	L (IN.)	W (IN.)	H (IN.)	WT. (LB.)
AHU-29	TRANE	UCCAG08	MEZZANINE	FRONT DINING	HORIZONTAL	3,021	640	2.687	1.5	2.466	3	24.7	28.5	2184	3,021	1.5	1	0.81	9	6.2V	1094	3,021	395	0.066	129.68	12.94	1.01	190	170	55.1	94.68	3,021	395	0.503	118	81.13	23.52	2.77	45	55	79.9	67.7	55.6	55.3	208/3	28.5	24.7	160	51	38	1487.1	1.2
AHU-30	TRANE	UCCAG08	MEZZANINE	LOBBY	HORIZONTAL	3,365	440	2.897	1.5	3.11	5	31.5	37	2358	3365	1.6	1	0.949	9	6.6V	1152	3,365	441	0.082	129.96	12.96	1.02	190	140	60.8	96.41	3,365	441	0.578	115.41	83.9	23	2.65	45	55	78.4	66.5	55.6	55.45	208/3	37	31.5	160	51	38	1505	1.2
<b>NOTES:</b> 1. PROVIDE ECONOMIZER DAMPERS WITH 115/1/60 MODULATING ACTUATORS. 2. PROVIDE OA AND SA TEMPERATURE AND STATIC PRESSURE SENSORS, DIRTY FILTER SWITCH, CONDENSATE OWERFLOW SWITCH, FACTORY MOUNTED DDC SYSTEM.																																																				

FAN COIL SCHEDULE																													
MARK	MANUFACTURER	MODEL	LOCATION	SUPPLY FAN				COOLING							HEATING						ELECTRICAL DATA		PHYSICAL DATA				REMARKS		
				CFM	MIN. OA CFM	(IN. W.C.)	HP	TOTAL CAP. (MBH)	SENS. (MBH)	FLOW (GPM)	MAX. FLUID P.D. (FT. W.C.)	EDB (%ΔF)	LDB (%ΔOF)	EWT (%ΔD F)	LWT (%ΔD F)	TOTAL CAP. (MBH)	FLOW (GPM)	MAX. FLUID P.D. (FT. W.C.)	EWT (%ΔD F)	LWT (%ΔD F)	LDB (%ΔD F)	EDB (%ΔD F)	V/PH	MOTOR (W)	L (IN.)	W (IN.)		H (IN.)	WT. (LB.)
FCU-118A	AIRTHERM	CPFR-02-2-AC-A	PRIVATE RM A218	230	20	0.375	0.03	7.6	5.6	1.5	1.2	80	60.5	45	55	3.5	0.35	0.15	190	154	95	65.3	120/1	55	30	20	10	60	1,2,3,4,5
FCU-119A	AIRTHERM	CPFR-02-2-AC-A	SEMI-PRIVATE RM A220	230	30	0.375	0.03	7.6	5.6	1.5	1.2	80	60.5	45	55	3.5	0.35	0.15	190	154	95	65.3	120/1	55	30	20	10	60	1,2,3,4,5
FCU-120A	AIRTHERM	CPFR-08-2-AC-A	NEW DINING A222	730	360	0.375	0.06	24	16.4	3.75	15.5	80.9	60.1	45	57.7	32.9	2	0.34	190	156.3	95	52.7	120/1	135	66	20	10	215	1,2,3,4,5
FCU-121A	AIRTHERM	CPFR-08-2-AC-A	NEW DINING A222	730	360	0.375	0.06	24	16.4	3.75	15.5	80.9	60.1	45	57.7	32.9	2	0.34	190	156.3	95	52.7	120/1	135	66	20	10	215	1,2,3,4,5
FCU-122C	CARRIER	42DDA06	MECH 042	600	100	0.375	0.06	15.3	10.3	3.1	2.4	80.4	61.3	45	55	23.4	1.48	0.16	190	158	95	55	120/1	150	18	28	40	250	1,2,3,4,5
FCU-123	AIRTHERM	CPFR-03-1-AC-A	ADMIN ASSIST 004	310	20	0.375	0.04	7.5	5.5	1.2	1	77	60.7	45	57.2	13.04	0.5	0.3	190	140.6	95	65.5	120/1	60	36	20	10	70	1,2,3,4,5
FCU-124	AIRTHERM	CPFR-10-1-AC-A	CONF. ROOM 004 NORTH	1020	90	0.375	0.06	27.5	20.1	4.7	5.1	78	59.3	45	56.6	37.9	1.6	0.3	190	142.4	95	63	120/1	150	86	20	10	305	1,2,3,4,5,6
FCU-125	AIRTHERM	CPFR-08-1-AC-A	CONF. ROOM 004 SOUTH	800	90	0.375	0.06	21.5	15.5	4.3	4	79	60.5	45	55	29.2	1.3	0.2	190	145	95	62.1	120/1	135	66	20	10	215	1,2,3,4,5,6
NOTES:																													
1. PROVIDE HIGH CAPACITY WATER COILS. PREWIRED SERVICE SWITCH, 3-WAY CONTROL VALVE PACKAGES FOR EACH COIL, UNIONS AND COIL STUBS, MANUAL CIRCUIT SETTER AND BALL SHUT OFF VALVES ON SUPPLY AND RETURN LINES.																													
2. PROVIDE REMOTE MOUNT 24-V BAGNET TYPE WALL THERMOSTAT AND FAN CONTROL SWITCH. MOUNT THERMOSTAT 48" ABOVE FINISHED FLOOR.																													
3. PROVIDE WITH STAINLESS STEEL DRAIN PAN.																													
4. PROVIDE DUCT FLANGE CONNECTIONS AT UNIT PLENUM FOR FIELD CONNECTION TO OUTSIDE AIR.																													
5. 120V ECM MOTOR.																													
6. PROVIDE CONDENSATE PUMP, LITTLE GIANT EC-1, 115/1 OR APPROVED EQUAL.																													

MARK	MANUFACTURER	MODEL	LOCATION	NOZZLE			HOT WATER COIL					MOTOR		ELECTRICAL DATA				PHYSICAL DATA				REMARKS
				WIDTH (IN.)	CFM	FPM	MBH	EWLT/LWT (%ΔF)	WATER FLOW (GPM)	WPD (FT.WG.)	AIR TEMP. RISE (%ΔF)	QTY.	HP EACH	V/PH	POWER RATING (Kw)	MOTOR AMP DRAW	BRAKER RATING	L (IN.)	W (IN.)	H (IN.)	WT. (LB.)	
DAC-1	BERNER	A108-E-1042W	VESTIBULE 001	42	1,212	3,000	32.8	190/177	5	1.8	25	1	1/5	120/1	0.32	3.4	15	43.25	14	7.5	75	1,2,3
DAC-2	BERNER	A108-E-1072W	VESTIBULE 001	72	2,072	3,600	56.8	190/171	6	2.9	25	1	1/5	120/1	0.32	3.4	15	74.25	14	7.5	117	1,2,3
<p><b>NOTES:</b> 1. PROVIDE WITH ON-BOARD CONTROLLER AND VENDOR SUPPLIED DOOR SWITCH. 2. PROVIDE WITH SOLENOID VALVE THAT ENERGIZES WHEN AIR CURTAIN IS ENERGIZED. 3. PROVIDE GALVANIZED STEEL WALL BRACKETS AND OTHER MOUNTING ACCESSORIES AS REQUIRED TO PERMIT INSTALLATION PER MANUFACTURERS INSTRUCTIONS.</p>																						

ELECTRIC BASEBOARD HEATER SCHEDULE										
MARK	MANUFACTURER	MODEL	SERVICE	QUANTITY	ELECTRICAL DATA		PHYSICAL DATA		REMARKS	
					V/PH	WATTS	L (IN.)	D (IN.)		H (IN.)
EBH-1	QMARK	CBD750	CONFERENCE, FRONT DINING	18	120/1	750	34	3	8	1.2
EBH-2	QMARK	CBD1500	ADMIN ASSIST, VESTIBULE	2	120/1	1500	70	3	8	1.2

**NOTES:** 1. PROVIDE WALL MOUNTED TEMPERATURE SENSOR WITH BACNET CAPABILITY TO ALLOW BAS TO CONTROL THE UNITS.  
2. COLOR BY ARCHITECT FOR MANUFACTURERS STANDARD CHART.

MARK	MANUFACTURER	MODEL	SERVICE	CFM	FREE AREA (SF)	AIR SPEED (FPM)	MAX. AIR P.D. (IN. W.C.)	MATERIAL	FINISH	PHYSICAL DATA			REMARKS
										D (IN.)	W (IN.)	H (IN.)	
L1A	RUSKIN	ELF375DXH	OUTDOOR AIR	770	1.34	575	0.06	ALUMINUM	COLOR ANODIZED	4	24	18	1,2
L2A	RUSKIN	ELF375DXH	OUTDOOR AIR	600	1.7	353	0.05	ALUMINUM	COLOR ANODIZED	4	30	18	1,2
L3A	RUSKIN	ELF375DXH	EXHAUST AIR	200	0.56	357	0.05	ALUMINUM	COLOR ANODIZED	4	24	12	1,2
L4A	RUSKIN	ELF375DXH	EXHAUST AIR	200	0.56	357	0.05	ALUMINUM	COLOR ANODIZED	4	24	12	1,2
L5B	RUSKIN	ELF375DXH	EXHAUST AIR	200	0.56	357	0.05	ALUMINUM	COLOR ANODIZED	4	24	12	1,2
L6B	RUSKIN	ELF375DXH	OUTDOOR AIR	600	1.7	353	0.05	ALUMINUM	COLOR ANODIZED	4	30	18	1,2
L7B	RUSKIN	ELF375DXH	EXHAUST AIR	200	0.56	357	0.05	ALUMINUM	COLOR ANODIZED	4	24	12	1,2
L8B	RUSKIN	ELF375DXH	OUTDOOR AIR	600	1.7	353	0.05	ALUMINUM	COLOR ANODIZED	4	30	18	1,2
L9C	RUSKIN	ELF375DXH	OUTDOOR AIR	110	0.41	268	0.05	ALUMINUM	COLOR ANODIZED	4	18	12	1,2
L10C	RUSKIN	ELF375DXH	EXHAUST AIR	200	0.56	357	0.05	ALUMINUM	COLOR ANODIZED	4	24	12	1,2
L11C	RUSKIN	ELF375DXH	OUTDOOR AIR	600	1.7	353	0.05	ALUMINUM	COLOR ANODIZED	4	30	18	1,2
L12C	RUSKIN	ELF375DXH	EXHAUST AIR	200	0.56	357	0.05	ALUMINUM	COLOR ANODIZED	4	24	12	1,2,3
L13C	RUSKIN	ELF375DXH	OUTDOOR AIR	600	1.7	353	0.05	ALUMINUM	COLOR ANODIZED	4	30	18	1,2,3
L14	RUSKIN	ELF375DXH	OUTDOOR AIR	200	0.41	488	0.05	ALUMINUM	COLOR ANODIZED	4	18	12	1,2
L41	RUSKIN	ELF375DXH	EXHAUST AIR	6300	1.4	4500	0.035	ALUMINUM	COLOR ANODIZED	4	44	50	1,2
L42	RUSKIN	ELF375DXH	EXHAUST AIR	6300	1.4	4500	0.035	ALUMINUM	COLOR ANODIZED	4	44	50	1,2
NOTES: 1. PROVIDE WITH INSECT SCREEN. 2. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. 3. REMOVED FROM SCOPE IF ALTERNATE 1 IS APPROVED.													

EXHAUST FAN SCHEDULE																	
MARK	MANUFACTURER	MODEL	TYPE	DRIVE	SERVICE	CFM	TSP (IN. W.C.)	SONES	ROOF OPENING		ELECTRICAL DATA		PHYSICAL DATA				REMARKS
									L (IN.)	W (IN.)	HP	V/PH	L (IN.)	W (IN.)	H (IN.)	WT. (LBS.)	
EF-1	GREENHECK	CUE-060-VG	UPBLAST	DIRECT	BARBER SHOP	100	0.25	3.2	10.5	10.5	1/15	120/1	17	20	26	22	1, 3
EF-4A	GREENHECK	SP-B110ES	CEILING	DIRECT	RESTROOM	100	0.375	2.5	-	-	1/83	120/1	12	14	7	10	2
EF-5A	GREENHECK	SP-B110ES	CEILING	DIRECT	RESTROOM	100	0.375	2.5	-	-	1/83	120/1	12	14	7	10	2
EF-6A	GREENHECK	SP-B110ES	CEILING	DIRECT	RESTROOM	100	0.375	2.5	-	-	1/83	120/1	12	14	7	10	2
EF-7A	GREENHECK	SP-B110ES	CEILING	DIRECT	RESTROOM	100	0.375	2.5	-	-	1/83	120/1	12	14	7	10	2
EF-8B	GREENHECK	SP-B110ES	CEILING	DIRECT	RESTROOM	100	0.375	2.5	-	-	1/83	120/1	12	14	7	10	2
EF-7B	GREENHECK	SP-B110ES	CEILING	DIRECT	RESTROOM	100	0.375	2.5	-	-	1/83	120/1	12	14	7	10	2
EF-8B	GREENHECK	SP-B110ES	CEILING	DIRECT	RESTROOM	100	0.375	2.5	-	-	1/83	120/1	12	14	7	10	2
EF-9B	GREENHECK	SP-B110ES	CEILING	DIRECT	RESTROOM	100	0.375	2.5	-	-	1/83	120/1	12	14	7	10	2
EF-10C	GREENHECK	SP-B110ES	CEILING	DIRECT	RESTROOM	100	0.375	2.5	-	-	1/83	120/1	12	14	7	10	2
EF-11C	GREENHECK	SP-B110ES	CEILING	DIRECT	RESTROOM	100	0.375	2.5	-	-	1/83	120/1	12	14	7	10	2
EF-12C	GREENHECK	SP-B110ES	CEILING	DIRECT	RESTROOM	100	0.375	2.5	-	-	1/83	120/1	12	14	7	10	2, 4
EF-13C	GREENHECK	SP-B110ES	CEILING	DIRECT	RESTROOM	100	0.375	2.5	-	-	1/83	120/1	12	14	7	10	2, 4
EF-14C	GREENHECK	CUE-060-VG	UPBLAST	DIRECT	OXYGEN RM	100	0.25	3.2	10.5	10.5	1/15	120/1	17	20	26	22	1, 3
EF-15B	GREENHECK	CUE-060-VG	UPBLAST	DIRECT	OXYGEN RM	100	0.25	3.2	10.5	10.5	1/15	120/1	17	20	26	22	1, 3
EF-16A	GREENHECK	CUE-060-VG	UPBLAST	DIRECT	OXYGEN RM	100	0.25	3.2	10.5	10.5	1/15	120/1	17	20	26	22	1, 3

08/15/2024



Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

## 100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

# UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

FACILITY #.: 8136803002

FAI#.: 29-043

#	DATE:	DESCRIPTION:
---	-------	--------------

DRAWN BY: SHR/MD

CHECKED BY: DAF

DESIGNED BY: AK

SHEET TITLE:

## MECHANICAL SCHEDULES

SHEET NUMBER:

# M-601

SHEET 154 OF 197  
ISSUE DATE: 08/15/2024



8/15/2024 1:42:21 PM

ALTERNATE 1 - CRITICAL ENVIROMENT MAKE UP AIR HANDLING UNIT SCHEDULE																																										
MARK	MANUFACTURER	MODEL	LOCATION	SERVICE	ARRANGEMENT	SUPPLY FAN						REHEAT COIL								COOLING COIL								FILTER			ELECTRICAL DATA			PHYSICAL DATA				REMARKS				
						OA CFM MIN.	AJIM OA CFM	ESP (IN. W.C.)	TSP (IN. W.C.)	BHP	HP	CFM	MAX. AIR P.D. (IN. W.C.)	TOTAL CAP. (MBH)	FLOW (GPM)	MAX. FLUID P.D. (FT. W.C.)	EWT (%Δ F)	LWT (%Δ F)	EAT (%Δ F)	LAT (%Δ F)	CFM	TOTAL CAP. (MBH)	SENS. CAP. (MBH)	FLOW (GPM)	MAX. FLUID P.D. (FT. W.C.)	EWT (%Δ F)	LWT (%Δ F)	EDB (%Δ F)	EWB (%Δ F)	LDB (%Δ F)	LWB (%Δ F)	TYPE	MERV	THICK. (IN.)	V/PH	MCA	MOCPP		L (IN.)	W (IN.)	H (IN.)	WT. (LB.)
MAU1C	TRANE	UCCA06	C100 MECH	C100	REHEAT	1600	2150	1.5	3.66	2.25	3	2160	0.1	131.3	13.1	1.2	190	170	7.4	75	2160	169.8	97.15	34	6.35	42	52	95	77	54.6	54.5	PREFILTER	14	2	208/3	19.5	30	92	47	33	786	1-6
<b>NOTES:</b> 1. STAINLESS STEEL DRAIN PAN 2. DIRECT DRIVE 3. OUTSIDE AIR TEMP. SENSOR 4. DUCT STATIC PRESSURE SENSOR 5. BAGNET CONTROLS PROVIDED BY CONTROLS CONTRACTOR 6. LEFT HAND MOTOR AND SERVICE ACCESS																																										

ALTERNATE 1 - FAN COIL SCHEDULE																													
MARK	MANUFACTURER	MODEL	LOCATION	SUPPLY FAN			COOLING								HEATING							ELECTRICAL...		PHYSICAL DATA					REMARKS
				CFM	ESP (IN. W.C.)	HP	TOTAL CAP. (MBH)	SENS. (MBH)	FLOW (GPM)	MAX. FLUID P.D. (FT. W.C.)	EDB/ EWB	LDB/ LWB	EWT (%Δ F)	LWT (%Δ F)	TOTAL CAP. (MBH)	FLOW (GPM)	MAX. FLUID P.D. (FT. W.C.)	EWT (%Δ F)	LWT (%Δ F)	EDB (%Δ F)	LDB (%Δ F)	V/PH	MOTOR (W)	MAX (SONES)	L (IN.)	W (IN.)	H (IN.)	WT. (LB.)	
CEFC-1	TRANE	FCCB040	COMMONS	310	0.500	1/6	8.0	7.8	1.58	4.24	75/60	51/50	42	52	14.2	1.42	4.7	190	160	60	102	208/1	132	12	38	25	10	109	1-7
CEFC-2	TRANE	FCCB100	COMMONS	750	0.500	1/4	18.5	18.1	3.68	4	75/60	51/50	42	52	33.3	1.66	13.7	190	140	60	101	208/1	260	9.2	75	25	10	200	1-7
<div>NOTES: 1. PROVIDE PREWIRED SERVICE SWITCH, 2-WAY CONTROL VALVE PACKAGES FOR EACH COIL, UNIONS AND COIL STUBS, MANUAL CIRCUIT SETTER AND BALL SHUT OFF VALVES ON SUPPLY AND RETURN LINES.</div> <div>2. 4-PIPE SAME SIDE CONNECTION (4 ROW CHILLED WATER COIL/1-ROW HOT WATER COIL).</div> <div>3. CONTROLS CONTRACTOR WILL SUPPLY BACNET CONTROLLER.</div> <div>4. PROVIDE WITH NON-CORROSIVE DRAIN PAN, UNIT MOUNTED DISCONNECT SWITCH &amp; FILLED SUPPLIED 1" MERV 14 FILTER.</div> <div>5. PROVIDE CONDENSATE PUMP, LITTLE GIANT EC-1, 115/1 OR APPROVED EQUAL.</div>																													

ALTERNATE 1 - GRAVITY ROOF VENTILATOR SCHEDULE										
MARK	MANUFACTURER	MODEL	SERVICE/USE	CFM	THROAT SIZE (LxW)	THROAT VELOCITY FPM	APD (IN.W.C.)	DUCT CONN. (LxW-IN.)	SERVING	
GV-1	GREENHECK	FGI	OA INTAKE	2,150	24X24	541	0.04	24X24	MAU-1	
NOTES: PROVIDE: BACKDRAFT DAMPER 24X24 THROAT MOUNTED, 14" FACTORY PROVIDED ROOF CURB, ALUMINUM BIRDSCREEN AND TOPCAP INSULATION. FOR FINISH COLOR SEE ARCHITECTURAL SHEETS.										

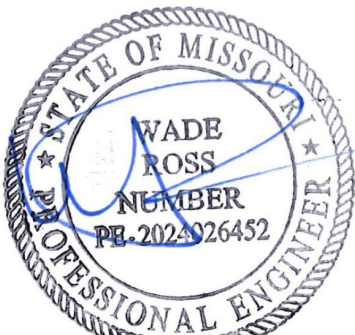
ALTERNATE 1 - CRITICAL ENVIRONMENT EXHAUST FAN SCHEDULE																		
MARK	MANUFACTURER	MODEL	TYPE	DRIVE	SERVICE	CFM		TSP (IN. W.C.)	FAN MOTOR BHP	DAMPER	ELECTRICAL DATA			PHYSICAL DATA				REMARKS
						MIN.	MAX.				HP	V/PH	FLA	L (IN.)	W (IN.)	H (IN.)	WEIGHT (LBS)	
CEEF1	GREENHECK	CUE-120-VG	ROOF	DIRECT	ROOM EXHAUST	600	1200	0.5	0.19	BACKDRAFT	1/4	115/1	3.8	19	25	41	49	1-3
CEEF2	GREENHECK	CUE-90-VG	ROOF	DIRECT	BATHROOM	300	300	0.3	0.03	BACKDRAFT	1/10	115/1	1.5	20	20	26	31	2,3
CEEF3	GREENHECK	CUE-90-VG	ROOF	DIRECT	ROOM EXHAUST	400	500	0.3	0.09	BACKDRAFT	1/10	115/1	1.5	19	19	27	31	1-3
CEEF4	GREENHECK	CUE-90-VG	ROOF	DIRECT	BATHROOM	300	300	0.3	0.03	BACKDRAFT	1/10	115/1	1.5	17	20	26	31	2,3
NOTES: 1. TWO-SPEED CONTROL 2. DISCONNECT SWITCH 3. SLOPED ROOF CURB																		

ALTERNATE-1 VARIABLE AIR VOLUME GRILLE												
MARK	MANUFACTURER	MODEL	SERVICE	MAX. CFM	MIN. CFM	MAX. AIR P.D. (IN. W.C.)	INLET SIZE (IN.)	OUTLET FACE SIZE (IN.)	PHYSICAL DATA			
									L (IN.)	W (IN.)	H (IN.)	
VAV1	ALDES	ZRTS-2-6-24CAR3L6R6	MAU1C/MAU2C	190	100	0.5	6	10x10	10	10	8.5	
VAV2	ALDES	ZRTS-2-6-24CAR3L6R6	MAU1C/MAU2C	100	100	0.5	6	10x10	10	10	8.5	
SEQUENCE OF OPERATIONS: WHEN IN NORMAL OPERATIONS MODE POWER WILL REMAIN OFF AND THE MINIMUM FLOW CONSTANT AIRFLOW REGULATOR (CAR3L) SHALL REGULATE AIRFLOW TO MIN CFM VALUE. WHEN IN AIM MODE THE MINIMUM FLOW DAMPER SHALL ENERGIZE AND ROTATE OUT OF THE AIRSTREAM ALLOWING THE MAX CFM FLOW, CONSTANT AIRFLOW REGULATOR (CAR3L) TO AUTOMATICALLY BALANCE THE SUPPLY RATE TO THE SPECIFIED MAXIMUM CFM AIRFLOW RATE.												
NOTES: 24V CONTROLS CONNECTED INTO BAS SYSTEM BY SCHNIEDER CONTROLS. ALL ACCESSORIES TO CONNECT INTO BAS SYSTEM PROVIDED BY CONTROLS CONTRACTOR.												

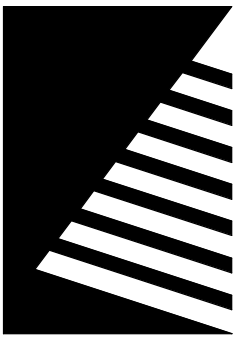
ALTERNATE-1 CRITICAL ENVIRONMENT AIR DEVICE SCHEDULE									
MARK	MANUFACTURER	MODEL	SERVICE	STYLE	MODULE SIZE	FRAME	FINISH	MATERIAL	REMARKS
CES1	TITUS	OMNI-AA	SUPPLY	LOUVER	24X24	LAY-IN	WHITE	ALUMINUM	1
CER1	TITUS	50F	RETURN	PERFORATED	24X24	LAY-IN	WHITE	ALUMINUM	1,2
CEE1	TITUS	50F	EXHAUST	PERFORATED	12X12	SURFACE	WHITE	ALUMINUM	1,2
CEE2	TITUS	50F	EXHAUST	PERFORATED	24X24	LAY-IN	WHITE	ALUMINUM	1,2
NOTES: 1. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH REFLECTED CEILING PLAN. 2. PROVIDE WITH 1/2"x1/2"x1/2" CORE.									

ALTERNATE 1 - FAN FILTER UNIT SCHEDULE																
MARK	MANUFACTURER	MODEL	LOCATION	SERVICE	ARRANGEMENT	SUPPLY FAN		MERV	THICK. (IN.)	ELECTRICAL DATA		PHYSICAL DATA				REMARKS
						CFM	WATTS			V/PH	FLA	L (IN.)	W (IN.)	H (IN.)	WT. (LB.)	
FFU1	PRICE	RSR	CEILING	RESIDENT ROOM	UNDUCTED	300	125	HEPA	2	115/1	2.6	23.625	23.625	12.75	53	ALL
FFU2	PRICE	RSR	CEILING	RESIDENT ROOM	UNDUCTED	300	125	HEPA	2	115/1	2.6	23.625	23.625	12.75	53	ALL
FFU3	PRICE	RSR	CEILING	RESIDENT ROOM	UNDUCTED	300	125	HEPA	2	115/1	2.6	23.625	23.625	12.75	53	ALL
FFU4	PRICE	RSR	CEILING	RESIDENT ROOM	UNDUCTED	300	125	HEPA	2	115/1	2.6	23.625	23.625	12.75	53	ALL
FFU5	PRICE	RSR	CEILING	RESIDENT ROOM	UNDUCTED	300	125	HEPA	2	115/1	2.6	23.625	23.625	12.75	53	ALL
FFU6	PRICE	RSR	CEILING	RESIDENT ROOM	UNDUCTED	300	125	HEPA	2	115/1	2.6	23.625	23.625	12.75	53	ALL
FFU7	PRICE	RSR	CEILING	RESIDENT ROOM	UNDUCTED	300	125	HEPA	2	115/1	2.6	23.625	23.625	12.75	53	ALL
FFU8	PRICE	RSR	CEILING	RESIDENT ROOM	UNDUCTED	300	125	HEPA	2	115/1	2.6	23.625	23.625	12.75	53	ALL
FFU9	PRICE	RSR	CEILING	RESIDENT ROOM	UNDUCTED	300	125	HEPA	2	115/1	2.6	23.625	23.625	12.75	53	ALL
FFU10	PRICE	RSR	CEILING	RESIDENT ROOM	UNDUCTED	300	125	HEPA	2	115/1	2.6	23.625	23.625	12.75	53	ALL
NOTES: 1. BAGNET FLOW CONTROLLER 2. CONSTANT FLOW ECM MOTOR 3. FORWARD CURVE FAN WHEEL 4. 8FT 115V POWER CORD 5. MERV 8 PRE-FILTER																

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

SHEET TITLE:

MECHANICAL  
SCHEDULES  
(CONT'D)

SHEET NUMBER:

M-602

SHEET 155 OF 197  
ISSUE DATE: 08/15/2024



PROCESS AND INSTRUMENTATION DIAGRAM (P&ID) ABBREVIATIONS				P&ID SYMBOLLOGY	TEMPERATURE CONTROLS NOTES
NOTE: NOT ALL MAY BE USED ON THIS PROJECT				NOTE: NOT ALL MAY BE USED ON THIS PROJECT	<b>GENERAL</b>  THIS FACILITY HAS AN EXISTING SCHNEIDER ELECTRIC BUILDING AUTOMATION SYSTEM(BAS). INTEGRATION OF EQUIPMENT CONTROLS SHALL BE PROVIDED BY C&C GROUP.  CONTROLS CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL CONTROLLERS, CONTROL WIRING, AND SENSORS EXCEPT WHERE SENSORS PROVIDED BY EQUIPMENT MANUFACTURER.  CONTROLS CONTRACTOR SHALL PROVIDE ALL PROGRAMING AND GRAPHICS REQUIRED FOR INTEGRATION OF NEW EQUIPMENT CONTROLS INTO EXISTING BAS.  REFER TO SPECIFICATION SECTION 230900 – INSTRUMENTATION AND CONTROL FOR HVAC.  REFER TO SPECIFICATION SECTION 230519 – METERS AND GAGES FOR HVAC PIPING.  REFER TO SPECIFICATION SECTION 260519 – CONDUCTORS AND CABLES.  REFER TO SPECIFICATION SECTION 260529 – HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS.  REFER TO SPECIFICATION SECTION 260533 – RACEWAYS AND BOXES.  REFER TO EQUIPMENT SCHEDULES TO CROSS-REFERENCE WHICH TEMPERATURE CONTROLS DIAGRAMS APPLY TO WHICH EQUIPMENT.  REFER TO TEMPERATURE CONTROLS PLANS FOR LOCATIONS OF SPACE SENSOR(S), DDC PANEL(S) AND VFD(S). MOUNT ROOM SENSORS AT 48-INCHES ABOVE FINISHED FLOOR, UNLESS NOTED OTHERWISE. COORDINATE WITH ELECTRICAL.  ALL CONTROL WIRING SHALL BE IN CONDUIT.  ALL LOW-VOLTAGE CABLES SHALL BE SHIELDED TYPE.  NO FILTERED POWER SHALL BE INSTALLED IN THE SAME RACEWAY AS UNFILTERED POWER. ONLY FILTERED POWER SHALL BE PROVIDED TO MICROPROCESSORS.  ALL CONTROL COMPONENTS (E.G. RELAYS, SWITCHES, DDC CONTROLLERS, ETC.) SHALL BE MOUNTED IN STEEL ENCLOSURES WITH STEEL MOUNTING BACK PLATES.  EACH CONTROL PANEL SHALL HAVE A LAMINATED COPY OF THE APPLICABLE SEQUENCE OF OPERATION AND CONTROL DIAGRAM INDICATING THE POINTS, COMPONENTS, AND OPERATION OF EQUIPMENT ASSOCIATED WITH EACH PANEL.  TEMPERATURE CONTROLS DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL REQUIRED CONTROL DEVICES AND COMPONENTS. TEMPERATURE CONTROLS CONTRACTOR SHALL VERIFY EXACT QUANTITY, LOCATION, SIZE, AND CAPACITY OF ALL APPLICABLE EQUIPMENT & COMPONENTS AND SHALL CROSS-REFERENCE TO SPECIFICATIONS. PLANS SHALL NOT BE SCALED FOR EXACT DIMENSIONS.  ALL WORK SHOWN ON TEMPERATURE CONTROLS DRAWINGS SHALL BE THE SOLE RESPONSIBILITY OF THE TEMPERATURE CONTROLS CONTRACTOR, UNLESS NOTED OTHERWISE. INCLUDE ALL PARTS, MATERIALS, CONTROLLERS, SENSORS, CONDUIT, WIRE, INSTALLATION LABOR, PROGRAMMING, FACTORY START-UP, AND COMMISSIONING REQUIRED FOR A COMPLETE INSTALLATION OF ALL SYSTEMS PRESCRIBED HEREIN.  ALL ACTUATORS SHALL BE OF THE ELECTRICAL TYPE UNLESS NOTED OTHERWISE (E.G. PNEUMATIC).  ALL MODULATING DAMPER AND VALVE ACTUATORS INDICATED WITH POSITION FEEDBACK SHALL HAVE DAMPER OR VALVE POSITION DISPLAYED ON A GRAPHICAL SCREEN ADJACENT TO THE DAMPER OR VALVE COMMAND SIGNAL. DISPLAYED POSITION SHALL BE FROM THE FEEDBACK DEVICE, NOT FROM THE BAS.  MODULATING SIGNALS SHALL BE DISPLAYED AS PERCENT OPEN (% OPEN), NOT AS PERCENT CLOSED.  PRESSURE TRANSMITTER SIGNALS UTILIZED FOR MAINTAINING DUCT STATIC PRESSURE SHALL BE WIRED DIRECTLY TO THE CONTROLLER(S) WHICH MODULATE FAN SPEED, COMPLETELY INDEPENDENT FROM THE BAS NETWORK.
ADJ	ADJUSTABLE	HP	HEAT PUMP	IM	MOTOR
AFMS	AIRFLOW MEASURING STATION	HPWR	HEAT PUMP WATER RETURN	(T)	TEMPERATURE SENSOR
AHU	AIR HANDLING UNIT	HPWS	HEAT PUMP WATER SUPPLY	(H)	HUMIDITY SENSOR
AI	ANALOG INPUT	HPR	HIGH PRESSURE STEAM RETURN	[CT]	CURRENT TRANSDUCER
AO	ANALOG OUTPUT	HPS	HIGH PRESSURE STEAM SUPPLY	[T]	THERMOSTAT OR TEMPERATURE PROBE
AV	ANALOG VALUE	HRC	HEAT RECOVERY COIL	[SCR]	SILICON-CONTROLLED RECTIFIER
BAS	BUILDING AUTOMATION SYSTEM	HRV	HEAT RECOVERY VENTILATOR	[CO2]	CARBON DIOXIDE SENSOR
BI	BINARY INPUT	HS	HUMIDITY SENSOR	[CO]	CARBON MONOXIDE SENSOR
BO	BINARY OUTPUT	HU	HUMIDIFIER	[O]	OCCUPANCY SENSOR
BV	BINARY VALUE	HW	HOT (OR HEATING) WATER	[DP]	DIFFERENTIAL PRESSURE TRANSDUCER
BTUH	BRITISH THERMAL UNITS PER HOUR	HWP	HOT (OR HEATING) WATER PUMP	[R]	REFRIGERANT SENSOR
CA	COMPRESSED AIR	HWR	HOT (OR HEATING) WATER RETURN	[S]	SOLENOID
CC	COOLING COIL	HWS	HOT (OR HEATING) WATER SUPPLY	[S]	SMOKE DETECTOR
CF	CEILING (OR CIRCULATING) FAN	HX	HEAT EXCHANGER	[W]	FILTER
CFM	CUBIC FEET PER MINUTE	IRH	INFRARED RADIANT HEATER	[~]	AVERAGING ELEMENT (TEMPERATURE)
CH	CHILLER	KW	KILOWATT	[~]	STATIC PRESSURE TIP
CHP	CHILLED WATER PUMP	L	LOW	[//]	PARALLEL BLADE DAMPER
CHR	CHILLED WATER RETURN	LPR	LOW PRESSURE STEAM RETURN	[//]	OPPOSED BLADE DAMPER
CHS	CHILLED WATER SUPPLY	LPS	LOW PRESSURE STEAM SUPPLY	[ ]	WATER COIL (HEATING OR COOLING)
CO2	CARBON DIOXIDE	M	MOTOR OR MOTORIZED	[ ]	FAN (SUPPLY, RETURN OR EXHAUST)
CP	CONDENSATE PUMP	MA	MIXED AIR	[P]	PUMP
CR	CONTACT RELAY	MAU	MAKEUP AIR UNIT	[R]	ELECTRIC RESISTANCE COIL
CRAC	COMPUTER ROOM AIR CONDITIONER	MBH	THOUSANDS OF BTU PER HOUR	[ ]	REFRIGERANT (DX) COIL
CT	CURRENT TRANSDUCER	MD	MOTORIZED DAMPER	[ ]	FLOW SWITCH
CU	CONDENSING UNIT	MS	MOTORIZED SHUTTER	[ ]	FLOW METER
CUH	CABINET UNIT HEATER	N.C.	NORMALLY CLOSED	[VFD]	VARIABLE FREQUENCY DRIVE
CV	CONTROL VALVE	N.O.	NORMALLY OPEN	[ ]	DAMPER (VAV)
CW	(DOMESTIC) COLD WATER	OA	OUTDOOR AIR	[ ]	HUMIDIFIER DISTRIBUTION (STEAM) MANIFOLD THERMOWELL
CWP	CONDENSER WATER PUMP	OBD	OPPOSED BLADE DAMPER	[ ]	2-WAY VALVE
CWR	CONDENSER WATER RETURN	P	PUMP	[ ]	3-WAY VALVE
CWS	CONDENSER WATER SUPPLY	PBD	PARALLEL BLADE DAMPER		
DA	DISCHARGE AIR	PDH	POOL ROOM DEHUMIDIFIER		
DAC	DOOR AIR CURTAIN	PPM	PARTS PER MILLION		
DI	DIGITAL INPUT	PRV	PRESSURE RELIEF VALVE		
DC	DRY COOLER	PS	PRESSURE SWITCH		
DH	DEHUMIDIFIER	PSI	POUNDS PER SQUARE INCH		
DO	DIGITAL OUTPUT	PTAC	PACKAGED TERMINAL AIR CONDITIONER		
DOAS	DEDICATED OUTDOOR AIR SYSTEM	RA	RETURN AIR		
DP	DIFFERENTIAL PRESSURE	RF	RETURN FAN		
DSU	DUCTLESS SPLIT UNIT	RH	ROOF HOOD		
DX	DIRECT EXPANSION (COOLING COIL)	RHC	REHEAT COIL		
EA	EXHAUST AIR	RP	RADIANT PANEL		
EBH	ELECTRIC BASEBOARD (HEATER)	RTU	ROOFTOP (AIR HANDLING) UNIT		
EF	EXHAUST FAN	S	SOLENOID		
EHC	ELECTRIC HEATING COIL	SA	SUPPLY AIR		
ERP	ELECTRIC RADIANT PANEL	SCR	SILICON CONTROLLED RECTIFIER		
ERV	ENERGY RECOVERY VENTILATOR	SF	SUPPLY FAN OR SQUARE FOOT		
EWH	ELECTRIC WALL HEATER	SFD	SMOKE/FIRE DAMPER		
FA	FRESH AIR	STM	STEAM		
FCU	FAN COIL UNIT	T	TEMPERATURE		
FD	FIRE DAMPER	TDV	TRIPLE DUTY VALVE		
FPT	FAN POWERED AIR TERMINAL	UH	UNIT HEATER		
FTR	FINNED-TUBE RADIATION	UV	UNIT VENTILATOR		
GF	GAS FURNACE	VAV	VARIABLE AIR VOLUME TERMINAL		
GIH	GRAVITY INTAKE HOOD	VD	VOLUME DAMPER		
GPM	GALLONS PER MINUTE	VFC	VARIABLE FREQUENCY CONTROLLER		
GR	GLYCOL RETURN	VFD	VARIABLE FREQUENCY DRIVE		
GS	GLYCOL SUPPLY				
GUH	GAS UNIT HEATER				
GV	GRAVITY ROOF VENTILATOR				
H	HIGH OR HUMIDITY				
HC	HEATING COIL				

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



# Farnsworth

GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
FACILITY #.:	8136803002
FAI#.:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

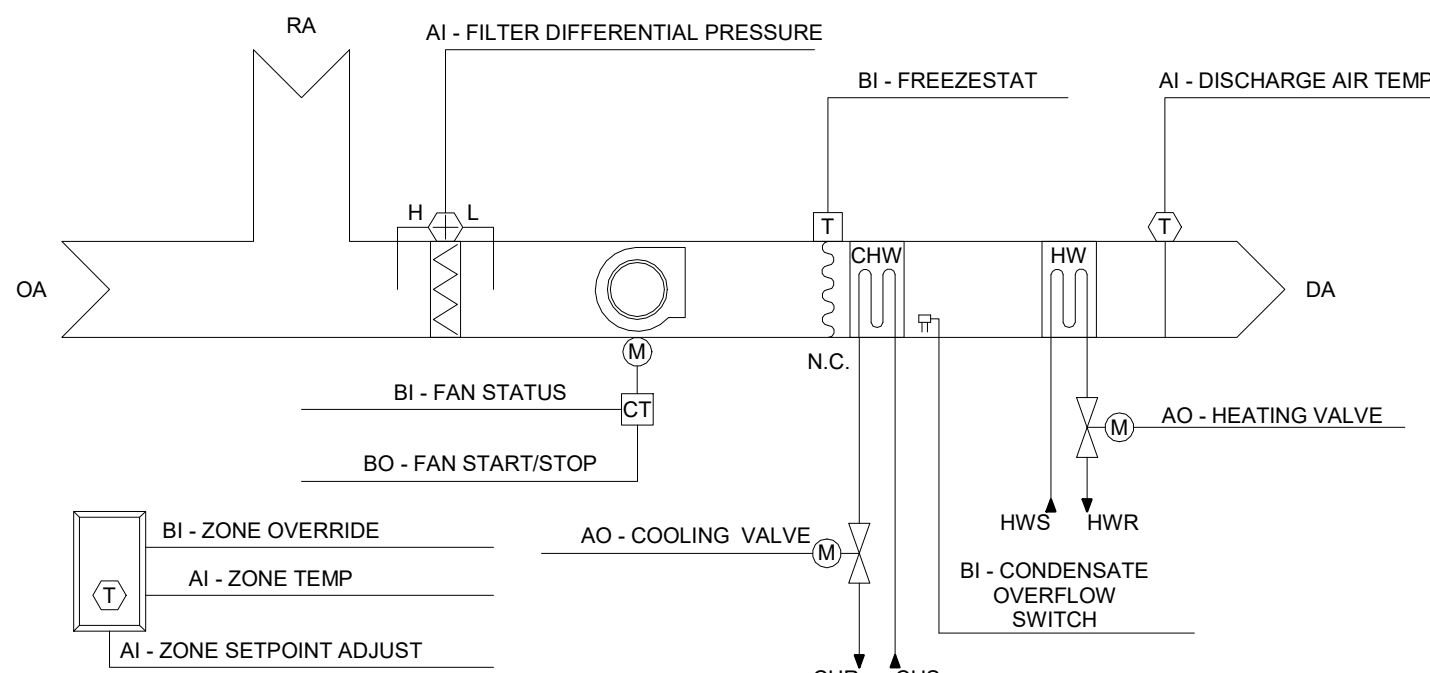
SHEET TITLE:  
**MECHANICAL  
GENERAL  
INFORMATION**

SHEET NUMBER:  
**M-603**



## 4 FAN COIL UNIT CONTROLS

Scale: No Scale



### SEQUENCE OF OPERATION - FAN COIL UNIT (FCU-118A, 119A, 120A, 121A)

RUN CONDITIONS - SCHEDULED:  
THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE TIME SCHEDULE IN THE FOLLOWING MODES:

- OCCUPIED MODE: THE UNIT SHALL MAINTAIN
  - A 74°F (ADJ.) COOLING SETPOINT
  - A 70°F (ADJ.) HEATING SETPOINT.

- UNOCCUPIED MODE (NIGHT SETBACK): THE UNIT SHALL MAINTAIN
  - A 85°F (ADJ.) COOLING SETPOINT.
  - A 55°F (ADJ.) HEATING SETPOINT.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN THE COOLING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).
- LOW ZONE TEMP: IF THE ZONE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).

ZONE SETPOINT ADJUST:  
THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING AND COOLING SETPOINTS AT THE ZONE SENSOR WITHIN PLUS OR MINUS 5 DEGREES.

ZONE UNOCCUPIED OVERRIDE:  
A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO AN OCCUPIED MODE FOR AN ADJUSTABLE PERIOD OF TIME INITIALLY SET TO 120 MINUTES (ADJ.). AT THE EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.

EMERGENCY SHUTDOWN:  
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING AN EMERGENCY SHUTDOWN SIGNAL.

FREEZE PROTECTION:  
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A FREEZESTAT STATUS.

CONDENSATE OVERFLOW PROTECTION:  
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON ACTIVATION OF THE OVERFLOW SWICH LOCATED IN THE CONDENSATE PAN.

FAN:  
THE FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES.

COOLING COIL VALVE:  
THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE COOLING COIL VALVE TO MAINTAIN ITS COOLING SETPOINT.

THE COOLING SHALL BE ENABLED WHENEVER:

- OUTSIDE AIR TEMPERATURE IS GREATER THAN 80°F (ADJ.).
- AND THE ZONE TEMPERATURE IS ABOVE COOLING SETPOINT.
- AND THE FAN IS ON.

HEATING COIL VALVE:  
THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE HEATING COIL VALVE TO MAINTAIN ITS HEATING SETPOINT.

THE HEATING SHALL BE ENABLED WHENEVER:

- OUTSIDE AIR TEMPERATURE IS LESS THAN 60°F (ADJ.).
- AND THE ZONE TEMPERATURE IS BELOW HEATING SETPOINT.
- AND THE FAN IS ON.

HEATING - HIGH DISCHARGE AIR TEMPERATURE LIMIT:  
THE CONTROLLER SHALL MEASURE THE DISCHARGE AIR TEMPERATURE AND, ON RISING TEMPERATURE, MODULATE THE HEATING VALVE TOWARDS THE CLOSED POSITION TO MAINTAIN A DISCHARGE AIR TEMPERATURE OF 95°F.

- AS THE DISCHARGE AIR TEMPERATURE RISES FROM 90°F TO 120°F (ADJ.), CONTROLLER SHALL MODULATE THE HEATING VALVE TO THE COMPLETELY CLOSED POSITION.

FILTER DIFFERENTIAL PRESSURE MONITOR:  
THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FILTER.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- FILTER CHANGE REQUIRED: FILTER DIFFERENTIAL PRESSURE EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

DISCHARGE AIR TEMPERATURE:  
THE CONTROLLER SHALL MONITOR THE DISCHARGE AIR TEMPERATURE.

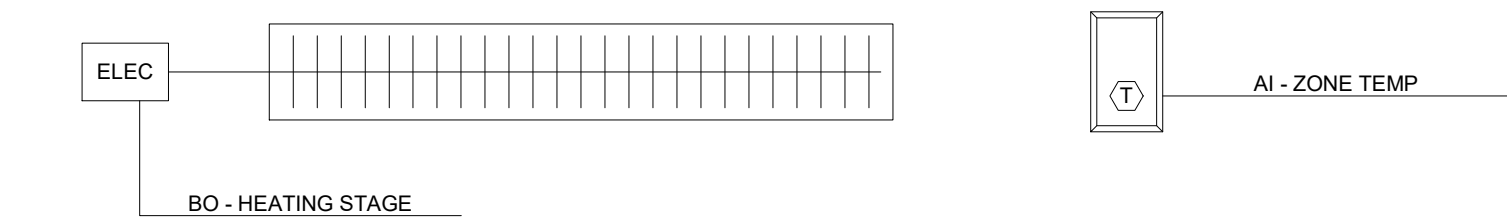
ALARMS SHALL BE PROVIDED AS FOLLOWS:

- HIGH DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS GREATER THAN 120°F (ADJ.).
- LOW DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS LESS THAN 40°F (ADJ.).

FAN STATUS:  
THE CONTROLLER SHALL MONITOR THE FAN STATUS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- FAN RUNTIME EXCEEDED: FAN STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).



### SEQUENCE OF OPERATION:

RUN CONDITIONS - SCHEDULED:  
THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE TIME SCHEDULE IN THE FOLLOWING MODES:

- OCCUPIED MODE: THE UNIT SHALL MAINTAIN A HEATING SETPOINT OF 70°F (ADJ.).
- UNOCCUPIED MODE (NIGHT SETBACK): THE UNIT SHALL MAINTAIN A HEATING SETPOINT OF 60°F (ADJ.).

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- LOW ZONE TEMP: IF THE ZONE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).

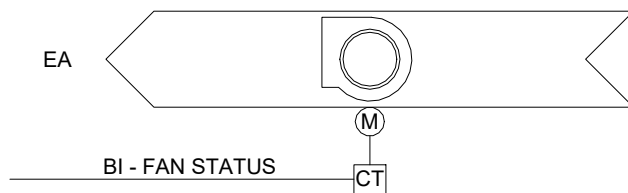
ELECTRIC HEATING STAGES:  
BUILDING AUTOMATION SYSTEM SHALL MEASURE THE ZONE TEMPERATURE AND STAGE THE UNIT ON AND OFF TO MAINTAIN THE SPACE HEATING SETPOINT. TO PREVENT SHORT CYCLING, THERE SHALL BE A USER DEFINABLE (ADJ.) DELAY BETWEEN ON AND OFF MINIMUM RUNTIME.

THE HEATING SHALL BE ENABLED WHENEVER:

- OUTSIDE AIR TEMPERATURE IS LESS THAN 60°F (ADJ.).
- AND THE ZONE TEMPERATURE IS BELOW HEATING SETPOINT.

## 3 CONVECTIVE ELECTRIC FIN TUBE HEATER CONTROLS

Scale: No Scale



### SEQUENCE OF OPERATION (EF-1)

FAN:  
FAN SHALL BE INTERLOCKED WITH THE LIGHT SWITCH IN THE SPACE THAT THE FAN IS SERVING. FAN SHALL RUN CONTINUOUSLY WHEN THE LIGHT STATUS IS ON.

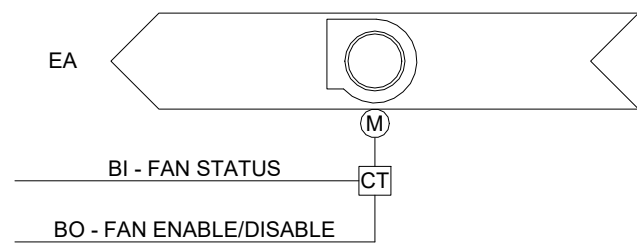
FAN STATUS:  
THE CONTROLLER SHALL MONITOR THE FAN STATUS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.

## 2 TOILET AND BARBER SHOP EXHAUST FANS CONTROLS

Scale: No Scale



### SEQUENCE OF OPERATION (EF-14C, EF-15B, EF-16A)

FAN:  
BUILDING AUTOMATION SYSTEM SHALL ENABLE THE FAN TO RUN CONTINUOUSLY, UNLESS SHUT DOWN ON SAFETIES.

FAN STATUS:  
THE CONTROLLER SHALL MONITOR THE FAN STATUS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.

## 1 OXYGEN STORAGE ROOM EXHAUST FANS CONTROLS

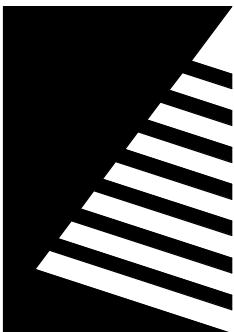
Scale: No Scale

HARDWARE POINTS						SOFTWARE POINTS					
POINT NAME	AI	AO	BI	BO	AV	BV	Loop	Sched	Trend	Alarm	Show on Graphic
Fan Status			x						x		x
Fan Start/Stop				x					x		x
Fan Failure										x	
Fan in Hand										x	

POINTS INDICATED ABOVE ARE MINIMUM POINTS REQUIRED. CONTRACTOR SHALL PROVIDE ADDITIONAL POINTS AS NEEDED TO COMPLY WITH THE DESIGN INTENT.



08/15/2024



## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

### 100% BID SET

08/15/2024

## OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

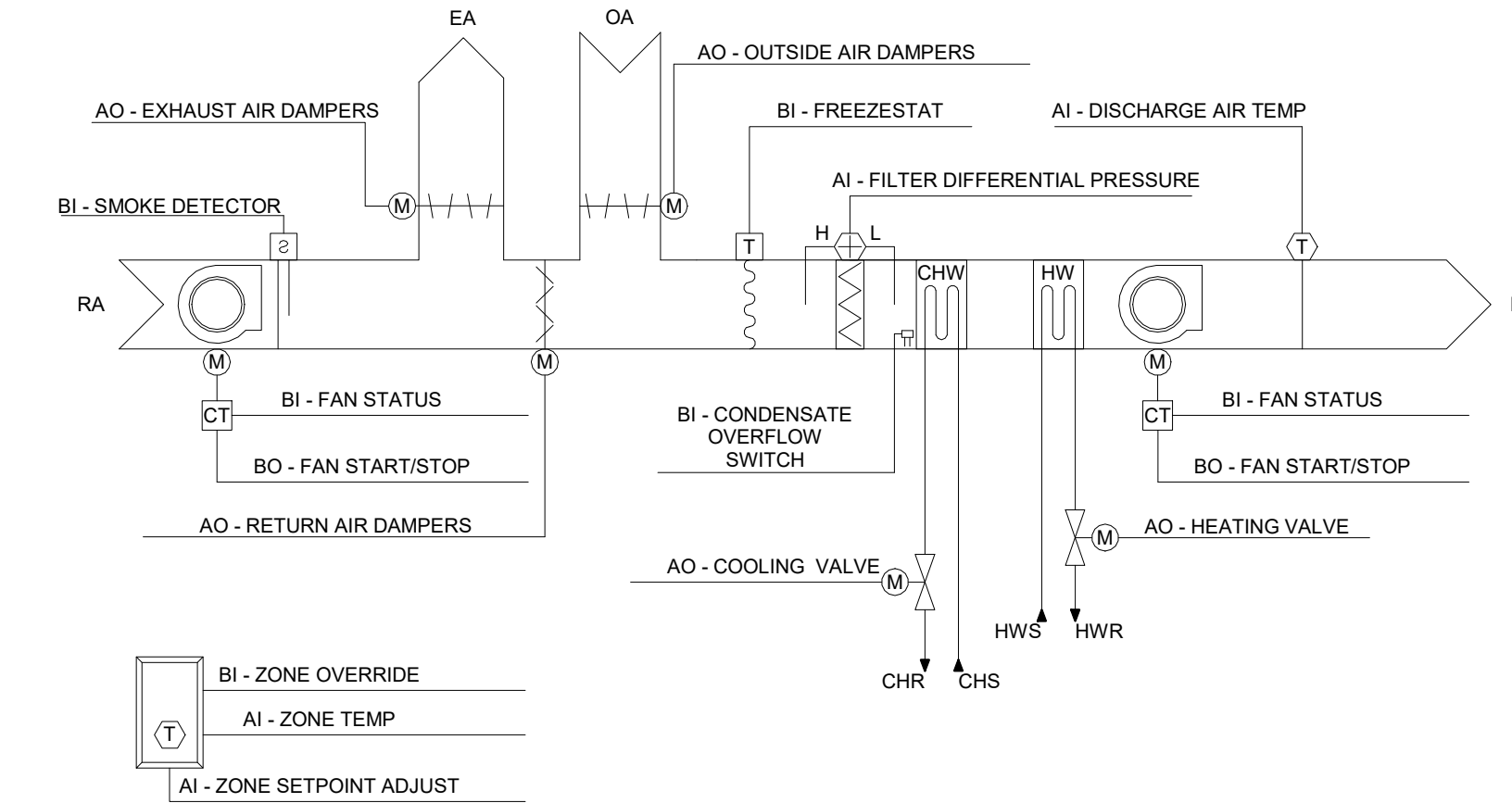
## SHEET TITLE: CONTROLS DIAGRAMS

SHEET NUMBER:

# M-604

SHEET 157 OF 197  
ISSUE DATE: 08/15/2024





POINT NAME	HARDWARE POINTS				SOFTWARE POINTS						Show on Graphic
	AI	AO	BI	BO	AV	BV	Loop	Sched	Trend	Alarm	
Zone Temp	x										x
Zone Setpoint Adjust	x										x
Filter Differential Pressure	x								x		x
Discharge Air Temp	x								x		x
Cooling Valve		x							x		x
Heating Valve		x							x		x
Exhaust Air Dampers		x							x		x
Return Air Damper	x								x		x
Outside Air Damper		x							x		x
Freezestat			x						x	x	x
Condensate Overflow Switch			x						x	x	x
Smoke Detector			x						x	x	x
Return Fan Status			x								x
Supply Fan Status			x								x
Supply Fan Start/Stop				x					x		x
Return Fan Start/Stop				x					x		x
Emergency Shutdown						x			x		x
Schedule								x			
Heating Setpoint									x		x
Cooling Setpoint									x		x
High Zone Temp										x	
Low Zone Temp										x	
Filter Required										x	
High Discharge Air Temp										x	
Low Discharge Air Temp										x	
Return Fan Failure										x	
Supply Fan Failure										x	
Supply Fan in Hand										x	
Return Fan in Hand										x	

POINTS INDICATED ABOVE ARE MINIMUM POINTS REQUIRED. CONTRACTOR SHALL PROVIDE ADDITIONAL POINTS AS NEEDED TO COMPLY WITH THE DESIGN INTENT.

SEQUENCE OF OPERATION - AIR HANDLING UNIT (AHU-29 AND AHU-30)

RUN CONDITIONS - SCHEDULED:  
THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE TIME SCHEDULE IN THE FOLLOWING MODES:

- OCCUPIED MODE: THE UNIT SHALL MAINTAIN
  - A 74°F (ADJ.) COOLING SETPOINT
  - A 70°F (ADJ.) HEATING SETPOINT.

- UNOCCUPIED MODE (NIGHT SETBACK): THE UNIT SHALL MAINTAIN
  - A 85°F (ADJ.) COOLING SETPOINT.
  - A 55°F (ADJ.) HEATING SETPOINT.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN THE COOLING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).
- LOW ZONE TEMP: IF THE ZONE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).

EMERGENCY SHUTDOWN:  
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING AN EMERGENCY SHUTDOWN SIGNAL.

CONDENSATE OVERFLOW PROTECTION:  
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON ACTIVATION OF THE OVERFLOW SWICH LOCATED IN THE CONDENSATE PAN.

FREEZE PROTECTION:

- THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A FREEZESTAT STATUS.
- BAS SHALL MODULATE CLOSE THE HEATING AND COOLING COIL VALVES AND SEND AN ALARM AT THE OWS.

SMOKE DETECTION:  
THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A SMOKE DETECTOR STATUS.

SUPPLY AND RETURN FANS:  
THE FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES.

COOLING COIL VALVE:  
THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE COOLING COIL VALVE TO MAINTAIN ITS COOLING SETPOINT.

THE COOLING SHALL BE ENABLED WHENEVER:

- OUTSIDE AIR TEMPERATURE IS GREATER THAN 60°F (ADJ.).
- AND THE ZONE TEMPERATURE IS ABOVE COOLING SETPOINT.
- AND THE FAN IS ON.

THE COOLING COIL VALVE SHALL OPEN WHENEVER THE FREEZESTAT IS ON.

HEATING COIL VALVE:  
THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE HEATING COIL VALVE TO MAINTAIN THE SPACE HEATING SETPOINT.

THE HEATING SHALL BE ENABLED WHENEVER:

- OUTSIDE AIR TEMPERATURE IS LESS THAN 60°F (ADJ.).
- AND THE ZONE TEMPERATURE IS BELOW HEATING SETPOINT.
- AND THE FAN IS ON.

THE HEATING COIL VALVE SHALL OPEN WHENEVER THE FREEZESTAT (IF PRESENT) IS ON.

HEATING - HIGH DISCHARGE AIR TEMPERATURE LIMIT:  
THE CONTROLLER SHALL MEASURE THE DISCHARGE AIR TEMPERATURE AND, ON RISING TEMPERATURE, LIMIT THE HEATING AS FOLLOWS:

- AS THE DISCHARGE AIR TEMPERATURE RISES FROM 90°F TO 120°F (ADJ.).
- THE CONTROLLER SHALL LIMIT THE HEATING OUTPUT FROM 100% TO 0% (ADJ.).

ECONOMIZER:  
THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE MIXED AIR DAMPERS IN SEQUENCE TO MAINTAIN THE ZONE COOLING SETPOINT. THE OUTSIDE AIR DAMPERS SHALL MAINTAIN A MINIMUM ADJUSTABLE POSITION OF 20% (ADJ.) OPEN WHENEVER OCCUPIED.

THE ECONOMIZER SHALL BE ENABLED WHENEVER:

- OUTSIDE AIR TEMPERATURE IS AT LEAST 3°F (ADJ.) LESS THAN THE ZONE TEMPERATURE.
- AND THE OUTSIDE AIR TEMPERATURE IS LESS THAN 75°F (ADJ.)

THE OUTSIDE AIR DAMPER SHALL CLOSE WHENEVER THE FREEZESTAT IS ON.

THE OUTSIDE AIR DAMPERS SHALL CLOSE AND THE RETURN AIR DAMPER SHALL OPEN WHEN THE UNIT IS OFF. IF OPTIMAL START UP IS AVAILABLE THE MIXED AIR DAMPER SHALL OPERATE AS DESCRIBED IN THE OCCUPIED MODE EXCEPT THAT THE OUTSIDE AIR DAMPER SHALL MODULATE TO FULLY CLOSED.

MINIMUM OUTSIDE AIR VENTILATION - CARBON DIOXIDE (CO2) CONTROL:  
WHEN IN THE OCCUPIED MODE, THE CONTROLLER SHALL MEASURE THE ZONE CO2 LEVELS AND MODULATE THE OUTSIDE AIR DAMPER OPEN FROM MINIMUM POSTION ON RISING CO2 CONCENTRATIONS, OVERRIDING NORMAL DAMPER OPERATION AS CO2 CONCENTRATIONS RISE FROM 750PPM TO 800PPM (ADJ.) AND ABOVE.

FILTER DIFFERENTIAL PRESSURE MONITOR:  
THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FILTER.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- FILTER CHANGE REQUIRED: FILTER DIFFERENTIAL PRESSURE EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

DISCHARGE AIR TEMPERATURE:  
THE CONTROLLER SHALL MONITOR THE DISCHARGE AIR TEMPERATURE.

ALARMS SHALL BE PROVIDED AS FOLLOWS:

- HIGH DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS GREATER THAN 120°F (ADJ.).
- LOW DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS LESS THAN 40°F (ADJ.).

FAN STATUS:  
THE CONTROLLER SHALL MONITOR THE FAN STATUS.

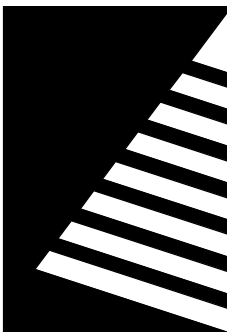
ALARMS SHALL BE PROVIDED AS FOLLOWS:

- FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
- FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
- FAN RUNTIME EXCEEDED: FAN STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SHR/MD  
CHECKED BY: DAH  
DESIGNED BY: AK

SHEET TITLE:

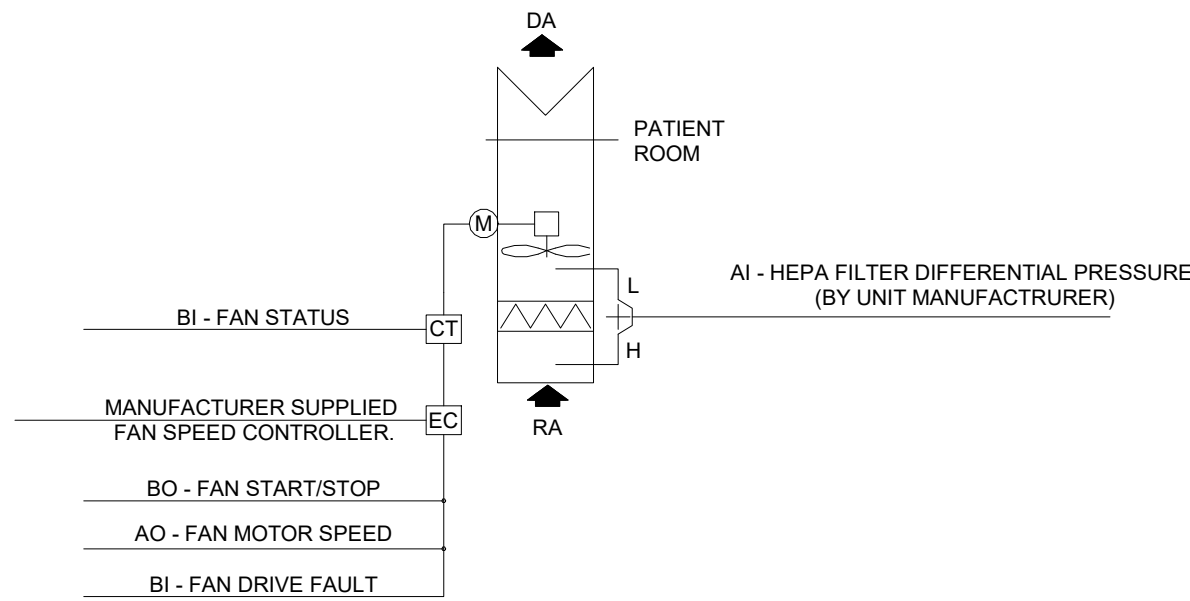
CONTROLS  
DIAGRAMS

SHEET NUMBER:

M-605

SHEET 158 OF 197  
ISSUE DATE: 08/15/2024





SEQUENCE OF OPERATION - (FAN FILTER UNIT) TYP. 10.

RUN CONDITIONS - CONTINUOUSLY WHEN SCHEDULED:  
THE UNIT SHALL BE ENABLED WHENEVER THE WING C MODULE IS SWITCHED TO AIRM OPERATION. THE UNIT SHALL BE CONTROLLED BY BAS.

FAN:  
THE FANS SHALL HAVE INTEGRAL SPEED CONTROLLER.  
THE FANS SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES. THE FAN SPEED SHALL BE MODULATED TO PROVIDE A CONSTANT CFM AS THE FILTER LOADS UP.

FAN STATUS:  
BAS SHALL MONITOR THE FAN STATUS.

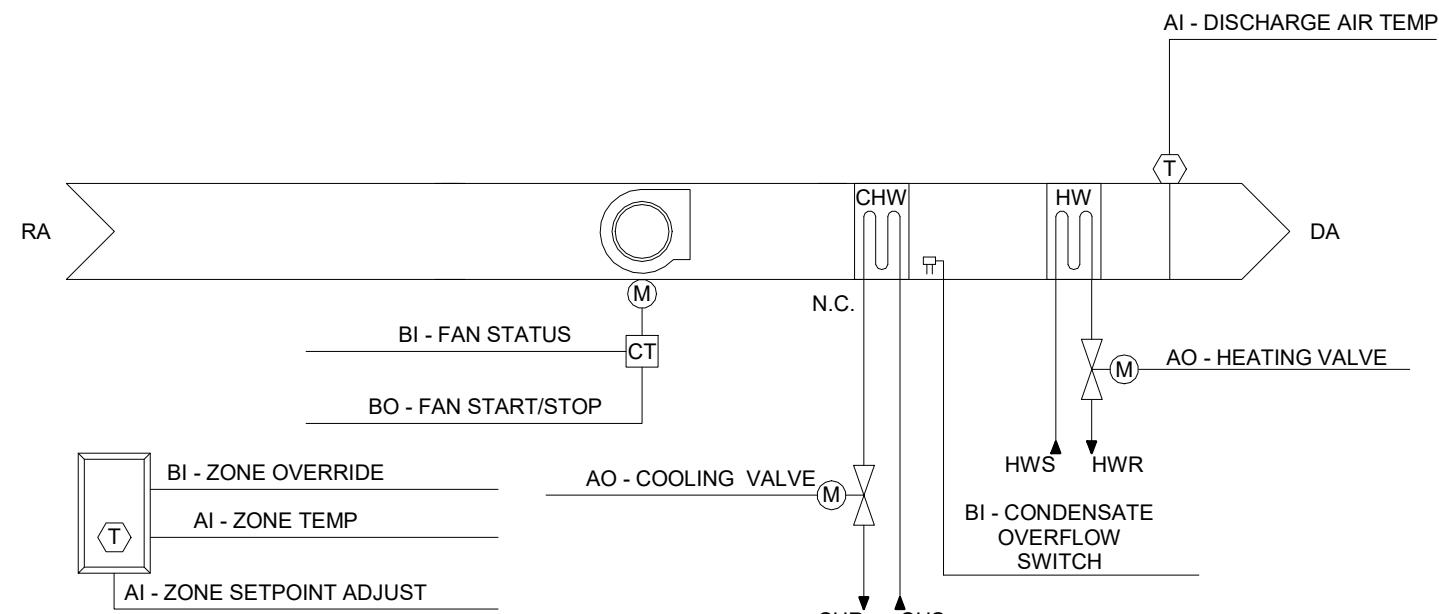
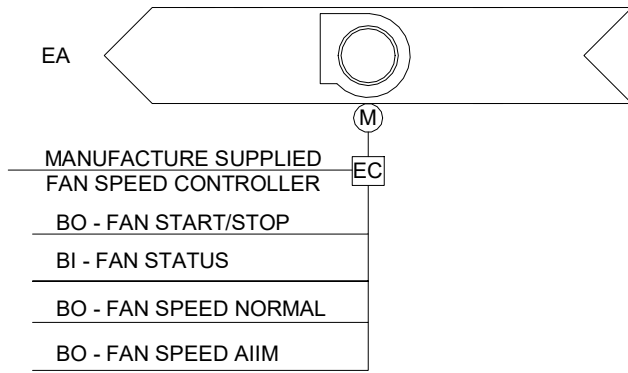
ALARMS SHALL BE PROVIDED AS FOLLOWS:  
• FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.  
• FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.

FILTER DIFFERENTIAL PRESSURE MONITOR:  
BAS SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FILTER.

ALARMS SHALL BE PROVIDED AS FOLLOWS:  
• FILTER CHANGE REQUIRED: FILTER DIFFERENTIAL PRESSURE EXCEEDS A USER DEFINABLE LIMIT INITIALLY SET AT 2 IN. W.G. (ADJ.).

POINT NAME	HARDWARE POINTS				SOFTWARE POINTS						Show on Graphic
	AI	AO	BI	BO	AV	BV	Loop	Sched	Trend	Alarm	
Fan Differential Pressure	x								x		x
Fan Status			x						x		x
Fan Start/Stop				x					x		x
Fan Motor Speed		x							x		x
Schedule								x			
Filter Change Required										x	x
High Discharge Static Pressure										x	
Fan Failure										x	
Fan in Hand										x	
Fan Runtime Exceeded										x	

POINTS INDICATED ARE MINIMUM NUMBER OF POINTS. CONTROLS CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADDITIONAL POINTS AS NEEDED TO COMPLY WITH THE SEQUENCE OF OPERATION AND THE DESIGN INTENT.



POINT NAME	HARDWARE POINTS				SOFTWARE POINTS						Show on Graphic
	AI	AO	BI	BO	AV	BV	Loop	Sched	Trend	Alarm	
Zone Temp	x								x		x
Zone Setpoint Adjust	x										x
Filter Differential Pressure	x								x	x	x
Discharge Air Temp	x								x		x
Cooling Valve		x							x		x
Heating Valve		x							x		x
Zone Override			x						x		x
Condensate Overflow Switch			x						x	x	x
Fan Status			x								x
Fan Start/Stop				x					x		x
Emergency Shutdown						x			x		x
Schedule								x			
Heating Setpoint									x		x
Cooling Setpoint									x		x
High Zone Temp										x	
Low Zone Temp										x	
Filter Required										x	
High Discharge Air Temp										x	
Low Discharge Air Temp										x	
Fan Failure										x	
Fan in Hand										x	

POINTS INDICATED ABOVE ARE MINIMUM POINTS REQUIRED. CONTRACTOR SHALL PROVIDE ADDITIONAL POINTS AS NEEDED TO COMPLY WITH THE DESIGN INTENT.

SEQUENCE OF OPERATION - EXHAUST FAN - (CEEF-1,2,3,4)

RUN CONDITIONS - INTERLOCKED:  
THE FAN SHALL RUN ANY TIME MAU-1 IS ENABLED.

FAN:  
FAN SHALL RUN CONTINUOUSLY WHEN MAU-1 ENERGIZED. UNLESS SHUTDOWN ON SAFETIES.

OPERATION IN NORMAL MODE:  
• EXHAUST FAN SHALL BE PROGRAMMED TO EXHAUST MINIMUM SCHEDULED AIR QUANTITY WHERE SPEED IS SET DURING TAB AND COORDINATED WITH CONTROL CONTRACTOR.

OPERATION IN AIRBORNE INFECTION ISOLATION MODE (AIIM):  
• EXHAUST FAN SHALL BE PROGRAMMED TO EXHAUST MAXIMUM SCHEDULED AIR QUANTITY WHERE SPEED IS SET DURING TAB AND COORDINATED WITH CONTROL CONTRACTOR.

ALARMS SHALL BE PROVIDED AS FOLLOWS:  
• HIGH ZONE PRESSURE: IF THE ZONE PRESSURE IS GREATER THAN THE PRESSURIZATION SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).  
• LOW ZONE PRESSURE: IF THE ZONE PRESSURE IS LESS THAN THE PRESSURIZATION SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).

FAN STATUS:  
THE CONTROLLER SHALL MONITOR THE FAN STATUS.

SEQUENCE OF OPERATION - FAN COIL UNIT (CEFC-1,2)

RUN CONDITIONS - SCHEDULED:  
THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE TIME SCHEDULE IN THE FOLLOWING MODES:  
• OCCUPIED MODE: THE UNIT SHALL MAINTAIN  
• A 74°F (ADJ.) COOLING SETPOINT  
• A 70°F (ADJ.) HEATING SETPOINT.

• UNOCCUPIED MODE (NIGHT SETBACK): THE UNIT SHALL MAINTAIN  
• A 85°F (ADJ.) COOLING SETPOINT.  
• A 55°F (ADJ.) HEATING SETPOINT.

ALARMS SHALL BE PROVIDED AS FOLLOWS:  
• HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN THE COOLING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).  
• LOW ZONE TEMP: IF THE ZONE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).

ZONE SETPOINT ADJUST:  
• THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING AND COOLING SETPOINTS AT THE ZONE SENSOR WITHIN PLUS OR MINUS 5 DEGREES.

ZONE UNOCCUPIED OVERRIDE:  
• A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO AN OCCUPIED MODE FOR AN ADJUSTABLE PERIOD OF TIME INITIALLY SET TO 120 MINUTES (ADJ.). AT THE EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.

EMERGENCY SHUTDOWN:  
• THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING AN EMERGENCY SHUTDOWN SIGNAL.

CONDENSATE OVERFLOW PROTECTION:  
• THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON ACTIVATION OF THE OVERFLOW SWICH LOCATED IN THE CONDENSATE PAN.

FAN:  
• THE FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES.

COOLING COIL VALVE:  
THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE COOLING COIL VALVE TO MAINTAIN ITS COOLING SETPOINT.

THE COOLING SHALL BE ENABLED WHENEVER:  
• THE ZONE TEMPERATURE IS ABOVE COOLING SETPOINT.  
• AND THE FAN IS ON.

HEATING COIL VALVE:  
• THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE HEATING COIL VALVE TO MAINTAIN ITS HEATING SETPOINT.

THE HEATING SHALL BE ENABLED WHENEVER:  
• THE ZONE TEMPERATURE IS BELOW HEATING SETPOINT.  
• AND THE FAN IS ON.

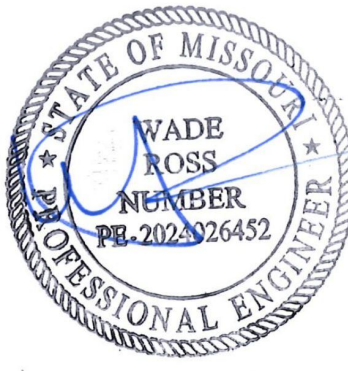
HEATING - HIGH DISCHARGE AIR TEMPERATURE LIMIT:  
• THE CONTROLLER SHALL MEASURE THE DISCHARGE AIR TEMPERATURE AND, ON RISING TEMPERATURE, MODULATE THE HEATING VALVE TOWARDS THE CLOSED POSITION TO MAINTAIN A MAXIMUM DISCHARGE AIR TEMPERATURE OF 95°F.

DISCHARGE AIR TEMPERATURE:  
• THE CONTROLLER SHALL MONITOR THE DISCHARGE AIR TEMPERATURE.

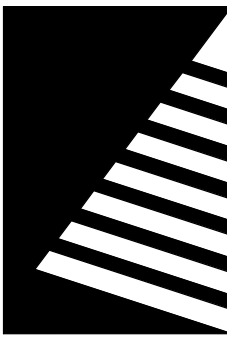
ALARMS SHALL BE PROVIDED AS FOLLOWS:  
• HIGH DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS GREATER THAN 120°F (ADJ.).  
• LOW DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS LESS THAN 40°F (ADJ.).

FAN STATUS:  
THE CONTROLLER SHALL MONITOR THE FAN STATUS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:  
• FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.  
• FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.  
• FAN RUNTIME EXCEEDED: FAN STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).



08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

FACILITY #.: 8136803002

FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SHR/MD

CHECKED BY: DAH

DESIGNED BY: AK

SHEET TITLE:

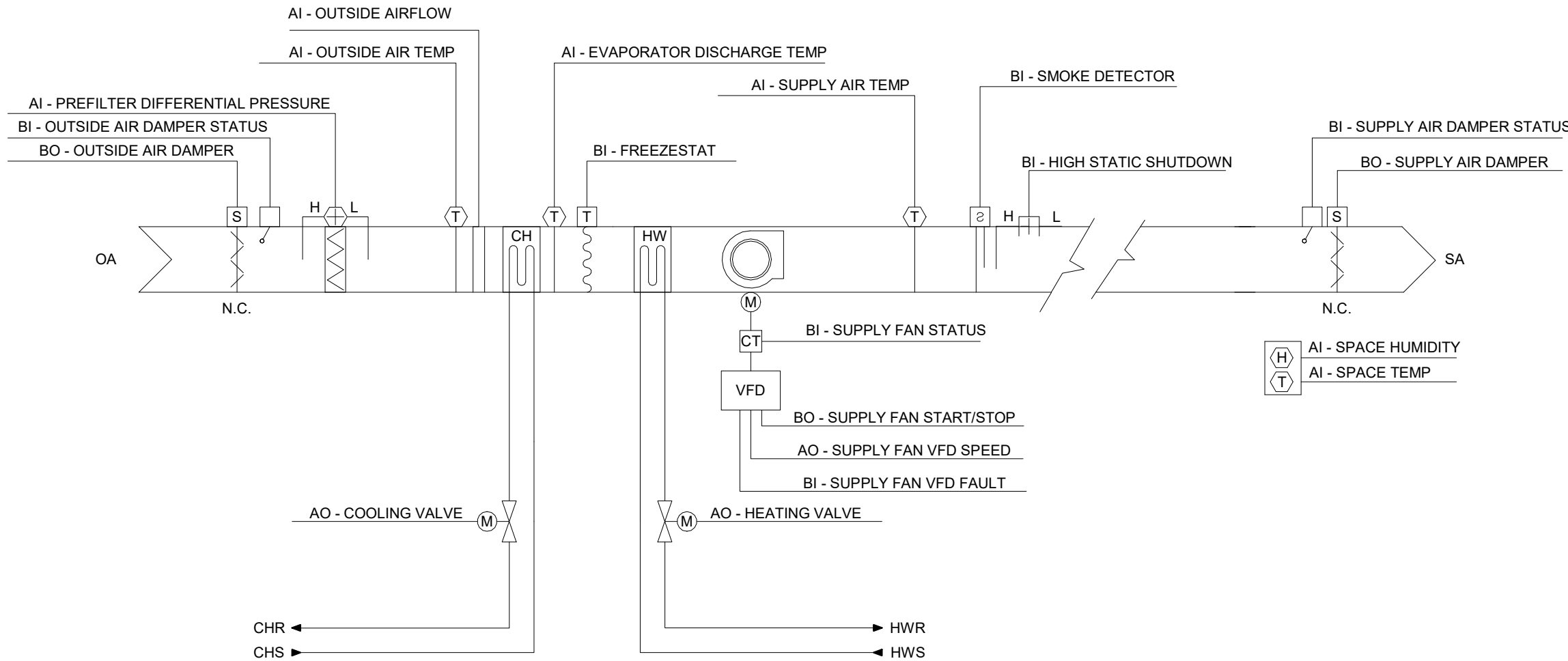
INFECTIOUS DISEASE  
CONTROLS  
DIAGRAMS -  
ALTERNATE 1

SHEET NUMBER:

M-606

SHEET 159 OF 197  
ISSUE DATE: 08/15/2024





	HARDWARE POINTS				SOFTWARE POINTS							
POINT NAME	AI	AO	BI	BO	AV	BV	Loop	Sched	Trend	Alarm	Show on Graphic	
Outside Air Temp	x								x		x	
Prefilter Differential Pressure	x								x			
Final Filter Differential Pressure	x								x			
Supply Air Temp	x								x		x	
Outside Air Airflow	x								x		x	
Outside Air Temp	x								x		x	
Evaporator Discharge Temp	x								x		x	
Space Temp	x								x		x	
Space Humidity	x								x		x	
Cooling Valve		x							x		x	
Heating Valve		x							x		x	
Supply Fan VFD Speed		x							x		x	
Freezestat			x						x	x	x	
Smoke Detector			x						x	x	x	
Outside Air Damper Status			x						x		x	
Supply Air Damper Status			x									
Supply Fan Status			x						x		x	
Supply Fan VFD Speed			x						x		x	
High Static Shutdown			x							x	x	
Outside Air Damper				x					x		x	
Supply Air Damper				x								
Space Dewpoint Temp					x				x		x	
Space Dewpoint Temp Setpoint					x				x		x	
Supply Dewpoint Setpoint					x				x		x	
Supply Air Temp Setpoint					x				x		x	
Emergency Shutdown						x			x	x	x	
Schedule								x				
Outside Air Damper Failure										x		
Outside Air Damper in Hand										x		
Supply Fan Failure										x		
Supply Fan in Hand										x		
Supply Fan Runtime Exceeded										x		
Prefilter Change Required										x	x	
Final Filter Change Required										x	x	
High Supply Air Temp										x		
Low Supply Air Temp										x		

SEQUENCE OF OPERATION - MAKEUP AIR UNIT - SUPPLY AIR TEMP (TYPICAL OF (2) MAU-1C, MAU-2C)

RUN CONDITIONS - CONTINUOUS:  
THE UNIT SHALL RUN CONTINUOUSLY.

EMERGENCY SHUTDOWN:  
• THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING AN EMERGENCY SHUTDOWN SIGNAL.

HI DUCT STATIC:  
• UNIT SHALL SHUT DOWN AND GENERATE AN ALARM ON HIGH DUCT STATIC PRESSURE STATUS.

FREEZE PROTECTION:  
• THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A FREEZESTAT STATUS.

SMOKE DETECTION:  
• THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A SMOKE DETECTOR STATUS.

OUTSIDE AIR DAMPER:  
• THE OUTSIDE AIR DAMPER SHALL OPEN ANYTIME THE UNIT RUNS AND SHALL CLOSE ANYTIME THE UNIT STOPS. THE SUPPLY FAN SHALL START ONLY AFTER THE DAMPER STATUS HAS PROVEN THE DAMPER IS OPEN. THE OUTSIDE AIR DAMPER SHALL CLOSE 45SEC (ADJ.) AFTER THE SUPPLY FAN STOPS.

SUPPLY AIR DAMPER:  
• THE SUPPLY AIR DAMPER SHALL OPEN ANYTIME THE UNIT RUNS AND SHALL CLOSE ANYTIME THE UNIT STOPS. THE SUPPLY FAN SHALL START ONLY AFTER THE DAMPER STATUS HAS PROVEN THE DAMPER IS OPEN. THE OUTSIDE AIR DAMPER SHALL CLOSE 45SEC (ADJ.) AFTER THE SUPPLY FAN STOPS.

ALARMS SHALL BE PROVIDED AS FOLLOWS:  
• OUTSIDE AIR DAMPER FAILURE: COMMANDED OPEN, BUT THE STATUS IS CLOSED.  
• OUTSIDE AIR DAMPER IN HAND: COMMANDED CLOSED, BUT THE STATUS IS OPEN.

OPERATION IN NORMAL MODE:  
• ONLY MAU-2C TO OPERATE WHEN IN NORMAL MODE.  
• FAN SPEED SHALL BE MODULATED TO MAINTAIN CFM AT AIRFLOW MEASURING STATION AS FILTERS LOAD.

OPERATION IN AIRBORNE INFECTION ISOLATION MODE (AIIM):  
• ONLY MAU-1C TO OPERATE WHEN IN (AIIM) MODE  
• FAN SPEED SHALL BE MODULATED TO MAINTAIN CFM AT AIRFLOW MEASURING STATION AS FILTERS LOAD.

SUPPLY FAN:  
• THE SUPPLY FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN. TO PREVENT SHORT CYCLING, THE SUPPLY FAN SHALL HAVE A USER DEFINABLE (ADJ.) MINIMUM RUNTIME, UNLESS SHUTDOWN ON SAFETIES.

ALARMS SHALL BE PROVIDED AS FOLLOWS:  
• SUPPLY FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.  
• SUPPLY FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.  
• SUPPLY FAN RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

SUPPLY AIR TEMPERATURE SETPOINT:  
THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMP AND SHALL MAINTAIN SUPPLY AIR TEMP SETPOINT OF 72 DEGF(ADJ.).

COOLING MODE:  
THE CONTROLLER SHALL MEASURE THE SUPPLY AIR TEMP AND MODULATE THE COOLING VALVE TO MAINTAIN ITS COOLING SETPOINT OF SUPPLY AIR SETPOINT PLUS 2 DEGF.

COOLING MODE SHALL BE ENABLED WHENEVER:  
• OUTSIDE AIR TEMP IS GREATER THAN THE SUPPLY AIR SETPOINT PLUS 2 DEGF.  
• AND THE SUPPLY AIR TEMP IS ABOVE COOLING SETPOINT.  
• AND THE FAN STATUS IS ON.

THE COOLING VALVE SHALL OPEN TO 50% (ADJ.) WHENEVER THE FREEZESTAT IS ON.

HEATING MODE:  
THE CONTROLLER SHALL MEASURE THE SUPPLY AIR TEMP AND MODULATE THE HEATING VALVE TO MAINTAIN ITS HEATING SETPOINT.

TRANSITIONING BETWEEN SET-POINTS:  
IF THE DISCHARGE AIR TEMP IS BETWEEN THE HEATING AND COOLING SET-POINT, THE LAST ACTIVE SET-POINT IS USED

THE HEATING SHALL BE ENABLED WHENEVER:  
• OUTSIDE AIR TEMP IS LESS THAN THE SUPPLY AIR SETPOINT MINUS 2 DEGF.  
• AND THE SUPPLY AIR TEMP IS BELOW HEATING SETPOINT.  
• AND THE FAN STATUS IS ON.

THE HEATING VALVE SHALL OPEN TO 100% (ADJ.) WHENEVER THE FREEZESTAT IS ON.

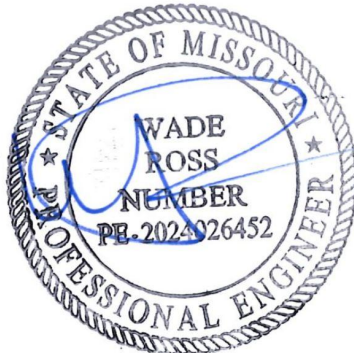
PREFILTER DIFFERENTIAL PRESSURE MONITOR:  
THE CONTROLLER SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE PREFILTER.

ALARMS SHALL BE PROVIDED AS FOLLOWS:  
• PREFILTER CHANGE REQUIRED: PREFILTER DIFFERENTIAL PRESSURE EXCEEDS A USER DEFINABLE LIMIT (ADJ.).

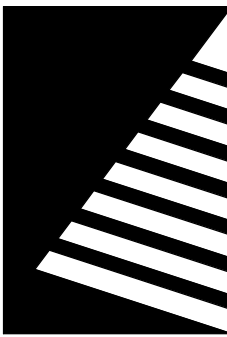
SUPPLY AIR TEMP:  
THE CONTROLLER SHALL MONITOR THE SUPPLY AIR TEMP.

ALARMS SHALL BE PROVIDED AS FOLLOWS:  
• HIGH SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMP IS GREATER THAN 120°F (ADJ.).  
• LOW SUPPLY AIR TEMP: IF THE SUPPLY AIR TEMP IS LESS THAN 45°F (ADJ.).

SPACE DEWPOINT CONTROL:  
• WHEN SPACE DEW POINT IS GREATER THAN THE SPACE DEW POINT SET POINT OF 55 DEG F (ADJ.) PLUS 2 DEG F THEN SPACE DEW POINT CONTROL IS ENABLED. SPACE DEW POINT CONTROL OVERRIDES COOLING MODE AND HEATING MODE. SPACE DEWPOINT CONTROL IS DISABLED WHEN SPACE DEW POINT FALLS BELOW THE SPACE DEW POINT SET POINT.  
• SPACE DEWPOINT IS CALCULATED USING SPACE TEMP AND SPACE HUMIDITY.  
• WHEN SPACE DEWPOINT CONTROL IS ENABLED THE CONTROLLER SHALL MONITOR THE EVAPORATOR DISCHARGE TEMP AND MODULATE THE COOLING COIL VALVE TO MAINTAIN THE EVAPORATOR DISCHARGE TEMP TO THE SUPPLY DEWPOINT SETPOINT OF 55 DEG F(ADJ.) AND MODULATE THE HEATING COIL VALVE TO MAINTAIN THE SUPPLY AIR TEMP TO THE SUPPLY AIR TEMPERATURE SETPOINT.



08/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr.  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

FACILITY #.: 8136803002

FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: SHR/MD

CHECKED BY: DAH

DESIGNED BY: AK

SHEET TITLE:

INFECTIOUS DISEASE  
CONTROLS  
DIAGRAMS -  
ALTERNATE 1

SHEET NUMBER:

M-607



0000 2024 8:03:55 AM

## ELECTRICAL FLOOR PLAN SYMBOLS (NOT ALL SYMBOLS ARE USED IN CONSTRUCTION DOCUMENTS)

Scale: No Scale

### GENERAL SYMBOLS

	MECHANICAL EQUIPMENT CALL-OUT: REFER TO THE EQUIPMENT DATA SCHEDULE FOR DETAILS
	PLUMBING EQUIPMENT CALL-OUT: REFER TO THE EQUIPMENT DATA SCHEDULE FOR DETAILS
	KEYED NOTE
	FEEDER CALL-OUT
	FOOD SERVICE EQUIPMENT DESIGNATION
	ROOM NUMBER
	REVISION CALL-OUT
	NEW EQUIPMENT (TYPICAL)
	EXISTING EQUIPMENT (TYPICAL)
	DEMOLITION EQUIPMENT (TYPICAL)
	WALL MOUNT BRACKET (TYPICAL)

### WIRING AND CONDUITS

	CONDUIT - CONCEALED IN SUSPENDED CEILING OR WALL
	CONDUIT - EXPOSED
	CONDUIT - CONCEALED BELOW SLAB OR GRADE
	CONDUIT - TURNING UP
	CONDUIT - TURNING DOWN
	CONDUIT - UP AND DOWN (CHANGE IN ELEVATION)
	CONDUIT - CONTINUED
	CONDUIT - FLEXIBLE
	CONDUIT - CAPPED
	JUNCTION BOX
	JUNCTION BOX - EMERGENCY POWER
	CONDUIT FITTING (CONDULET)
	EXPANSION FITTING
	SEALING FITTING
	CABLE TRAY

### COMMUNICATIONS SYMBOLS (FOR ROUGH-IN ONLY WITH 1" CONDUIT TO ACCESSIBLE CEILING)

	TELEPHONE TERMINAL BACKBOARD (PROVIDE WITH 3/4" FIRERATED PLYWOOD)
	TELEPHONE OUTLET - WALL MOUNTED - WALL MOUNTED 18" AFF
	T TOUCH TONE DEVICE FOR THE DEAF
	W WALL PHONE (MOUNTED 54" AFF)
	D DEDICATED TELEPHONE OUTLET
	AC ABOVE COUNTER TELEPHONE OUTLET
	TELEPHONE OUTLET - FLUSH FLOOR MOUNTED
	TELEPHONE OUTLET - CEILING MOUNTED
	COMPUTER OUTLET - WALL MOUNTED 18" AFF
	AC ABOVE COUNTER DATA OUTLET
	COMPUTER OUTLET - FLUSH FLOOR MOUNTED
	COMPUTER OUTLET - CEILING MOUNTED
	COMBINATION TELEPHONE/DATA OUTLET - WALL MOUNTED 18" A.F.F
	AC ABOVE COUNTER COMMUNICATIONS OUTLET
	COMBINATION TELEPHONE/DATA OUTLET - FLUSH FLOOR MOUNTED
	COMBINATION TELEPHONE/DATA OUTLET - CEILING MOUNTED
	WIF WIRELESS ACCESS POINT

### POWER SYMBOLS

	BRANCH CIRCUIT PANELBOARD - SURFACE MOUNTED
	BRANCH CIRCUIT PANELBOARD - FLUSH MOUNTED
	DISTRIBUTION PANELBOARD OR SWITCHBOARD
	TRANSFORMER
	POLE MOUNTED TRANSFORMER
	MOTOR CONTROL CENTER
	CONTROL PANEL
	GROUND BAR
	UTILITY KILOWATT-HOUR METER
	SAFETY SWITCH - NON-FUSIBLE
	SAFETY SWITCH - FUSIBLE
	MAGNETIC STARTER
	VFD COMBINATION STARTER VFD VARIABLE FREQUENCY DRIVE
	EQUIPMENT - MOTOR
	DUPLEX RECEPTACLE (NEMA 5-20R) - MOUNTED 18" AFF GF1 GROUND FAULT CIRCUIT INTERRUPTER SS SURGE SUPPRESSOR (ISOLATED GROUND TYPE) WP WEATHERPROOF H HOSPITAL GRADE TP TAMPER PROOF D DEDICATED USB STANDARD DUPLEX WITH 2 USB PORTS
	AC DUPLEX RECEPTACLE - MOUNTED 6" ABOVE COUNTER
	DUPLEX RECEPTACLE - SPLIT WIRED - MOUNTED 18" AFF
	DUPLEX RECEPTACLE - EMERGENCY POWER - MOUNTED 18" AFF
	DUPLEX RECEPTACLE - CEILING MOUNTED
	DUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED
	AC QUADRUPLEX RECEPTACLE - MOUNTED 18" AFF
	AC QUADRUPLEX RECEPTACLE - MOUNTED 6" ABOVE COUNTER
	QUADRUPLEX RECEPTACLE - FLUSH FLOOR MOUNTED
	SINGLE RECEPTACLE - MOUNTED 18" AFF
	SPECIAL PURPOSE RECEPTACLE - MOUNTED 18" AFF
	SPECIAL PURPOSE RECEPTACLE - CEILING MOUNTED
	SPECIAL PURPOSE RECEPTACLE - FLUSH FLOOR MOUNTED
	FLOOR BOX - SEE SPECS OR KEYED NOTES ON PLAN FOR DETAILS
	PP POWER POLE
	CEILING FAN
	HAND DRYER
	PUSH BUTTON

### NURSE CALL SYMBOLS

	NURSE CALL CONTROL PANEL
	N# NURSE CALL DEVICE P PULL CORD B BED STATION D DUTY STATION M MASTER STATION
	NURSE CALL DOME LIGHT

### LIGHTING SYMBOLS

	LUMINAIRE TYPE
	LUMINAIRE - RECESSED (REFER TO LUMINAIRE SCHEDULE)
	CONNECTED FOR NIGHT LIGHT USE CIRCUIT NUMBER AND SWITCH LEG LUMINAIRES ARE CONTROLLED BY LOCAL SWITCH UNLESS DESIGNATION GIVEN)
	PANEL NAME
	LUMINAIRE - SURFACE MOUNTED
	RECESSED LUMINAIRE CONNECTED TO THE EMERGENCY POWER SYSTEM OR BALLAST/DRIVER
	OPEN INDUSTRIAL LUMINAIRE OPEN INDUSTRIAL LUMINAIRE EMERGENCY POWER SYSTEM OR BALLAST/DRIVER
	WALL MOUNTED LUMINAIRE
	RECESSED DOWNLIGHT - CEILING MOUNTED
	RECESSED DOWNLIGHT w/ EMERGENCY BALLAST/DRIVER - CEILING MTD.
	SURFACE MOUNTED DOWNLIGHT
	RECESSED ADJUSTABLE/WALLWASH - CEILING MOUNTED
	POLE MOUNTED SITE LIGHTING - SINGLE HEAD
	POLE MOUNTED SITE LIGHTING - DUAL HEAD
	POLE MOUNTED SITE LIGHTING - TRIPLE HEAD
	POLE MOUNTED SITE LIGHTING - QUAD HEAD
	LINEAR PENDANT
	PENDANT
	TRACK LIGHTING
	EXIT SIGN - SINGLE FACE, CEILING MOUNTED ARROW INDICATES DIRECTION OF EXIT
	EXIT SIGN - SINGLE FACE, WALL MOUNTED
	EXIT SIGN - DUAL FACE, CEILING MOUNTED
	EXIT SIGN - DUAL FACE, WALL MOUNTED
	EXIT SIGN WITH EMERGENCY LIGHT ARROW INDICATES DIRECTION OF EXIT
	EMERGENCY LIGHT
	\$ <sup>a</sup> TOGGLE SWITCH - MOUNTED 48" AFF b LOWER CASE LETTER DENOTES LTG. SWITCH GROUP 2 DOUBLE-POLE SINGLE-THROW (DPST) 3 3-WAY 4 4-WAY B PUSHBUTTON D DIMMER (WALL BOX TYPE) K KEY OPERATED M MANUAL MOTOR STARTER P PILOT LIGHT T TIMER TT THERMAL TRIP SWITCH WP WEATHERPROOF OS WALL BOX OCCUPANCY SENSOR OS2 WALL BOX OCCUPANCY SENSOR FOR TWO LEVEL SWITCHING VS WALL BOX VACANCY SENSOR LV LOW VOLTAGE SWITCH TC TEACHER CONTROLS STATION TE TEACHER ENTRY STATION MC MOMENTARY CONTAT SWITCH
	CS <sub>a</sub> CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR a LOWER CASE LETTER DENOTES LTG. SWITCH GROUP
	DL <sub>a</sub> CEILING MOUNTED DAYLIGHT SENSOR a LOWER CASE LETTER DENOTES LTG. SWITCH GROUP
	VS <sub>a</sub> CEILING MOUNTED DUAL TECHNOLOGY VACANCY SENSOR a LOWER CASE LETTER DENOTES LTG. SWITCH GROUP
	PC PHOTOCCELL
	RC ROOM CONTROLLER
	LC1 LIGHTING CONTACTOR
	LRP LIGHTING RELAY PANEL
	INV INVERTER

### FIRE ALARM SYMBOLS

	MAIN CONTROL PANEL (FCP) FCP F/A MAIN CONTROL PANEL FSA FIRE SYSTEM ANNUNCIATOR FTR F/A TRANSMITTER OR TRANSMITTER ESR ELEVATOR STATUS RECALL FRP F/A RELAY PANEL FAC F/A COMMUNICATOR FPS FIRE ALARM ANNUNCIATION CIRCUIT POWER SUPPLY
	MANUAL PULL STATION - MOUNTED 46" AFF
	P SMOKE DETECTOR P PHOTOELECTRIC PL PLENUM SMOKE DETECTOR S SOUNDER BASE
	D DUCT DETECTOR HOUSING AND SAMPLING TUBE
	H <sup>R</sup> THERMAL (HEAT) DETECTOR R RATE OF RISE ONLY F FIXED TEMPERATURE L LINE TYPE FIXED TEMPERATURE CABLE ALL HEAT DETECTORS SHALL BE 135°, COMBINATION TYPE UNLESS INDICATED OTHERWISE.
	DP SUPERVISORY SWITCH - DRY-PIPE PRESSURE SWITCH
	TS SUPERVISORY SWITCH - TAMPER SWITCH
	WF SUPERVISORY SWITCH - WATER FLOW SWITCH
	CONTROL DEVICE - DOOR HOLD OPEN
	ADDRESSABLE INTERFACE MODULE C CONTROL M MONITORING S SIGNALLING V SOLENOID VALVE R RELAY
	C NOTIFICATION APPLIANCE MOUNTED 80" AFF OR 6" FROM CEILING WHICHEVER IS LOWER C CHIME H HORN LF LOW FREQUENCY B BELL
	75 NOTIFICATION APPLIANCE - STROBE ONLY MOUNTED 80" AFF CANDELA VALUE AS SHOWN MINIMUM
	C 75 NOTIFICATION APPLIANCE WITH STROBE MOUNTED 80" AFF OR 6" FROM CEILING WHICHEVER IS LOWER CANDELA VALUE AS SHOWN MINIMUM C CHIME H HORN LF LOW FREQUENCY
	C SHUNT TRIP PUSH BUTTON - MOUNTED 46" AFF
	C 75 NOTIFICATION APPLIANCE (CEILING) C CHIME STROBE H HORN STROBE LF LOW FREQUENCY CANDELA VALUE AS SHOWN MINIMUM
	CO CARBON MONOXIDE DETECTOR
	75 CEILING MOUNTED COMBINATION VOICE EVACUATION SPEAKER AND STROBE CANDELA VALUE AS SHOWN MINIMUM
	75 COMBINATION VOICE EVACUATION SPEAKER AND STROBE MOUNTED AT 80" AFF CANDELA VALUE AS SHOWN MINIMUM
	\$ RTS REMOTE TEST SWITCH

### SPECIAL SYSTEMS SYMBOLS

	ACCESS CONTROL CONTROL PANEL
	DVR AND RACK
	CARD READER - MOUNTED 48" AFF WITH 3/4" CONDUIT K WITH KEY PAD
	ELECTRIC STRIKE WITH 3/4" CONDUIT
	ELECTRO-MAGNETIC LOCK WITH 3/4" CONDUIT
	VIDEO MONITOR, FLAT SCREEN LCD WITH 3/4" CONDUIT
	DOOR STATUS SWITCH WITH 3/4" CONDUIT
	MOTION DETECTOR WITH 3/4" CONDUIT
	POWER SUPPLY FOR PTZ CAMERA WITH 3/4" CONDUIT
	4-CHANNEL CAMERA POWER SUPPLY WITH 3/4" CONDUIT
	INDOOR FIXED CAMERA WITH 3/4" CONDUIT PTZ PAN TILT ZOOM WP WEATHERPROOF
	TV OUTLET WITH 3/4" CONDUIT - MOUNTED 18" AFF
	HANDICAP DOOR OPERATORS - SEE ARCHITECTURALS WITH 3/4" CONDUIT
	GB GLASS BREAK SENSOR WITH 3/4" CONDUIT
	V VOLUME CONTROLLER - MOUNTED 48" AFF WITH 3/4" CONDUIT
	S CEILING MOUNTED SPEAKER
	W WALL MOUNTED SPEAKER
	IMS INTERCOM MASTER STATION
	I INTERCOM REMOTE STATION P PEDESTAL MOUNT S HIGH SECURITY G GENERAL USE
	DB DOOR BELL PUSH BUTTON
	DB DOOR BELL
	C CLOCK
	CS DOUBLE SIDED CLOCK
	RX REQUEST TO EXIT
	K KEYPAD AND KEY SWITCH

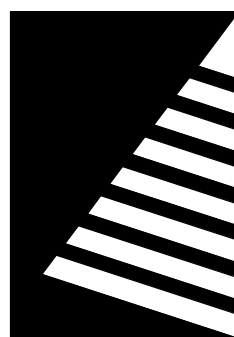
### ONE-LINE DIAGRAM SYMBOLS

	SERVICE DROP
	PANEL ### PANELBOARD
	T-1 DELTA-WYE TRANSFORMER 45 KVA 3Ø 208Y/120V/AC
	G # KVA/KW 480Y/277V, 3Ø, 4W GENERATOR
	A # POLES # AF # AT AUTOMATIC TRANSFER SWITCH
	GROUND
	# AF # AT CIRCUIT BREAKER
	# AF # AT DRAWOUT CIRCUIT BREAKER
	M # A METER
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	G GROUND FAULT PROTECTED BREAKER
	ST SHUNT TRIP BREAKER
	# A SWITCH
	FUSE
	CONTACTOR
	THERMAL OVERLOAD
	EO ELECTRONIC OVERLOAD
	SPD SURGE PROTECTION DEVICE
	VFD VARIABLE FREQUENCY DRIVE
	K KIRK KEY INTERLOCK
	DPM DIGITAL POWER METER

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

FACILITY #.: 8136803002

FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KMA

CHECKED BY: WRK

DESIGNED BY: TLA

SHEET TITLE:

**ELECTRICAL  
SYMBOLS**

SHEET NUMBER:

**E-001**

SHEET 161 of 197

ISSUE DATE: 08/15/2024



GENERAL NOTES:

- A. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, ELEVATIONS, AND BUILDING DETAILS. VERIFY LOCATION OF ALL WALL OUTLETS, SWITCHES, ETC., WITH ARCHITECTURAL DRAWINGS AND ACTUAL CONDITIONS.
- B. PRIOR TO ROUGH-IN AND FINAL CONNECTION, VERIFY ELECTRICAL CHARACTERISTICS AND EXACT LOCATION OF EQUIPMENT. THIS VERIFICATION SHALL BE DONE THROUGH THE ARCHITECT.
- C. SEE MECHANICAL/PLUMBING/KITCHEN DRAWINGS FOR ELECTRICAL REQUIREMENTS OF ALL MECHANICAL/PLUMBING/KITCHEN EQUIPMENT, FOR WIRING AND CONTROL DIAGRAMS, AND FOR EXACT LOCATION OF EQUIPMENT.
- D. COORDINATE SCHEDULE OF CONSTRUCTION WITH THE OWNER, OTHER TRADES AND UTILITIES INVOLVED BEFORE INSTALLATION OF UNDERGROUND FEEDERS, TRENCHING, ETC.
- E. USE EXTREME CAUTION DURING EXCAVATION TO LOCATE EXISTING UNDERGROUND PIPING, CONDUITS, ETC. LOCATE AND PROTECT ANY BURIED UTILITIES IN AREAS OF EXCAVATION.
- F. GROUT AND SEAL ALL CONDUIT PENETRATIONS OF WALLS AND FLOOR SLABS TO PRESERVE FIRE RATING AND WATERTIGHT INTEGRITY.
- G. DRAWINGS SHOW EXISTING CONDITIONS OF THE SITE. AN ATTEMPT HAS BEEN MADE TO SHOW EXISTING BUILDING, SITE DETAILS, ETC., BUT ACCURACY CANNOT BE GUARANTEED. VERIFY EXACT LOCATIONS OF ALL CIRCUITS, CONDUITS, PIPING, EQUIPMENT, ETC. VERIFY ALL SITE AND BUILDING DETAILS.
- H. PROVIDE DEDICATED, GREEN INSULATED, EQUIPMENT GROUND CONDUCTOR IN ALL CONDUIT AND WIRING RUNS. SIZE EQUIPMENT GROUND CONDUCTOR IN ACCORDANCE WITH CURRENT EDITION OF NATIONAL ELECTRICAL CODE IN FORCE IN JURISDICTION.
- I. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY, COORDINATE AND CONFIRM WITH THE MECHANICAL AND PLUMBING CONTRACTOR THE EXACT LOCATIONS AND FEED REQUIREMENTS OF ALL EQUIPMENT NEEDING AN ELECTRICAL CONNECTION.
- J. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ACTUAL LAYOUT OF LIGHT FIXTURES AND CEILING TYPES. VERIFY CEILING TYPES PRIOR TO ORDERING FIXTURES.
- K. REFER TO ARCHITECTURAL PLANS TO CONFIRM ALL FIRE-RATED CEILINGS AND WALLS.
1. ALL PENETRATIONS OF FIRE-RESISTIVE FLOORS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAILS THAT CONFORM TO UNDERWRITERS' LABORATORIES LISTINGS FOR THROUGH-PENETRATION FIRE STOP SYSTEMS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS, FURNISHED BY THE MANUFACTURER OF THE FIRE STOP MATERIAL, WHICH SHOW COMPLETE CONFORMANCE TO THE UL LISTING AND SHALL BE SPECIFIC FOR EACH PENETRATION WITH ALL VARIABLES DEFINED. THESE FINAL AND APPROVED DRAWINGS SHALL BE READILY AVAILABLE TO THE LOCAL INSPECTORS AT ALL TIMES AT THE PROJECT SITE.
- L. PRIOR TO ANY ROUGH-IN FOR ELECTRIC WATER COOLER RECEPTACLES, COORDINATE WITH THE ELECTRIC WATER COOLER INSTALLER THE EXACT LOCATION SO THAT THE ENTIRE ELECTRIC CORD WILL BE CONCEALED FROM ELECTRIC WATER COOLER TO RECEPTACLE.
- M. ALL LIGHT FIXTURES SHALL BE EQUIPPED WITH A GREEN GROUND WIRE BONDED TO THE HOUSING.
- N. ALL RECESSED CAN TYPE FIXTURES SHALL HAVE FEED-THROUGH JUNCTION BOXES.
- O. FINISH OF ALL LIGHTING FIXTURES IS SUBJECT TO ARCHITECT'S APPROVAL. SUBMIT SAMPLES IF REQUESTED.
- P. ALL SELF-CONTAINED EMERGENCY BATTERY PACK EXITS AND LIGHT FIXTURES SHALL BE CIRCUITED TO THE SAME BRANCH LIGHTING CIRCUIT SERVING THE NORMAL LIGHTING IN THE AREA. THE CIRCUIT SHALL BE UNSWITCHED SO THAT THE BATTERY CHARGER IS CONTINUOUSLY BEING ENERGIZED DURING NORMAL POWER CONDITIONS. IF THE LIGHT FIXTURE IS SHOWN OR INDICATED AS BEING SWITCHED, THE LAMPS ONLY SHALL BE CONTROLLED BY THE SWITCHED CONDUCTOR(S).
- Q. THE ELECTRICAL CONTRACTOR SHALL BE HELD FINANCIALLY RESPONSIBLE FOR ANY AND ALL COSTS OF THE ENGINEERS TIME REQUIRED TO REVIEW AND RESEARCH NON-SPECIFIED EQUIPMENT SUBMITTED FOR SUBSTITUTION BY THE ELECTRICAL CONTRACTOR. THESE COSTS SHALL BE AUTOMATICALLY INVOICED TO THE CONTRACTOR UNLESS SUCH SUBSTITUTIONS FOLLOW THE GUIDELINES FOR SUBSTITUTION AND ARE WITHIN THE PROPER TIME FRAME AS OUTLINED IN OTHER SECTIONS OF THIS SPECIFICATION.
- R. FIELD AIM AND ADJUST ALL LIGHT FIXTURES REQUIRING SAME TO THE OWNER'S SATISFACTION.
- S. ON LINEAR WALL SLOT LIGHT FIXTURES LAMPS SHALL BE CONTINUOUS INCLUDING CORNERS.
- T. PROVIDE AND INSTALL IN EACH PANEL, TYPEWRITTEN NEAT TWO-COLUMN CIRCUIT INDEX CARD SET UNDER PLASTIC COVERS ON INSIDE OF DOORS. EACH ODD-NUMBERED CIRCUIT SHALL BE IN SEQUENCE ON ONE COLUMN AND THE EVEN-NUMBERED CIRCUITS ON THE OTHER COLUMN (E.G. 1,3,5, 2,4,6...). EACH CIRCUIT SHALL BE IDENTIFIED AS TO THE USE AND ROOM NAME(S) OR AREA(S). THE CONTRACTOR SHALL CONFIRM ROOM NAMES AND/OR ROOM NUMBERS WITH THE ARCHITECT PRIOR TO PROJECT COMPLETION.
- U. FROM EACH FLUSH MOUNTED PANEL STUB (2) 3/4" AND (1) 1" IC INTO NEAREST ACCESSIBLE CEILING SPACE.
- V. PRIOR TO SUBMITTING BID PROPOSAL, BIDDER SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND VISIT CONSTRUCTION SITE TO BE FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
- W. UNLESS INDICATED IN SOME MANNER THAT ELECTRICAL EQUIPMENT IS EXISTING ALL OTHER EQUIPMENT SHALL BE NEW.
- X. CONTRACTOR SHALL NOT SCALE DRAWING FOR QUANTITIES. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL MEASUREMENTS.
- Y. IF POSSIBLE, ALL NEWLY INSTALLED RECEPTACLES SHALL BE INSTALLED IN SEPARATE OR ADJACENT STUD SPACES, TO AVOID SOUND TRANSMISSION AND WALL INTEGRITY ISSUES. ALL NEWLY INSTALLED RECEPTACLES LOCATED IN COMMON STUD SPACES OF FIRE-RESISTANT WALLS SHALL BE EQUIPPED WITH FIRE-RESISTANT PUTTY PADS AT THE BACK OF EACH BOX IN ACCORDANCE WITH NEC 300.21.
- Z. SECURE ALL LOW VOLTAGE DATA, SIGNALING AND CONTROL WIRING TO THE STRUCTURE AT INTERVALS NO MORE THAN 4 FEET.

GENERAL NOTES - CONDUIT AND WIRING:

- A. WHERE CONDUIT AND WIRING RUNS ARE NOT SHOWN ON FLOOR PLANS, THE CONTRACTOR SHALL DETERMINE AND PROVIDE THE REQUIRED CONDUIT AND WIRING FOR SPECIFIED CIRCUITING IN ACCORDANCE WITH NEC AND THE FOLLOWING MINIMUM REQUIREMENTS:
1. MINIMUM CONDUIT SIZE SHALL BE 3/4".
2. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG. #10 AWG SHALL BE USED FOR HOME RUNS OF 20 AMP BRANCH CIRCUITS OVER 100 FEET IN LENGTH.
3. EACH RACEWAY SHALL CONTAIN AN INSULATED EQUIPMENT GROUNDING CONDUCTOR PER NEC.
4. DERATING OF CONDUCTOR AMPACITY SHALL BE APPLIED PER NEC.
5. NO SHARING OF NEUTRALS ALLOWED. CIRCUIT SHALL HAVE DEDICATED NEUTRAL CONDUCTORS. ONE CIRCUIT, ONE NEUTRAL.
6. MAXIMUM SIX FOOT FLEXIBLE FIXTURE WHIP SHALL BE USED FOR FINAL CONNECTIONS TO LIGHT FIXTURES INSTALLED IN LAY-IN CEILINGS. MAXIMUM FOUR LIGHT FIXTURE WHIPS SHALL BE CONNECTED FROM ONE JUNCTION BOX. FEED THRU BETWEEN LIGHT FIXTURES SHALL NOT BE ALLOWED.

REMODELING NOTES:

- A. PRIOR TO SUBMITTING PROPOSAL, BIDDER SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND SHALL HAVE HAD VISITED THE CONSTRUCTION SITE. HE SHALL BE FAMILIAR WITH THE EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
- B. CERTAIN REMODELING OF ELECTRICAL FACILITIES WILL BE REQUIRED IN THE EXISTING BUILDING. EXISTING CONDUIT RUNS ARE GENERALLY NOT SHOWN, ALTHOUGH A FULL ATTEMPT HAS BEEN MADE TO SHOW SOME EXISTING CONDITIONS, OF WHICH INFORMATION HAS BEEN TAKEN FROM EXISTING RECORD DRAWINGS OF THIS PROJECT. THE DRAWINGS SHOWING LOCATION OF EXISTING EQUIPMENT, OUTLETS, FIXTURES, ETC., IN EXISTING AREAS ARE APPROXIMATE ONLY (FIELD VERIFY).
- C. BRANCH CIRCUITS SHALL BE REUSED WHERE PRACTICAL AND SHALL, IN ADDITION, BE REMODELED AS REQUIRED. THE CONTRACTOR SHALL CONCEAL ALL WORK WHERE POSSIBLE. WHERE EXPOSED WORK IS REQUIRED IN FINISHED AREAS, THE CONTRACTOR SHALL USE WIREMOLD RACEWAY WITH #500 BEING THE MINIMUM SIZE ACCEPTABLE.
- D. EXISTING ELECTRICAL WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO OPERATING CONDITION, AS REQUIRED AND/OR DIRECTED. WHERE REQUIRED, SHOWN AND/OR DIRECTED, OUTLETS AND CONDUIT RUNS SHALL BE RELOCATED. IN SOME CASES IT MAY BE NECESSARY TO EXTEND CONDUITS AND PULL IN NEW WIRING OR INSTALL JUNCTION BOXES AND SPICE IN NEW WIRING OR REPLACE OLD WIRING WITH NEW.
- E. OUTLETS FROM WHICH FIXTURES, SWITCHES, RECEPTACLES, AND/OR OTHER ELECTRICAL DEVICES ARE MOVED AND WHICH ARE NOT REPLACED OR REUSED SHALL BE REMOVED OR, IF IT IS NOT POSSIBLE TO REMOVE, PLACE A BLANK COVER ON THE OUTLET BOX. WHERE OUTLETS, BOXES, ETC., ARE COMPLETELY REMOVED, THE CONTRACTOR SHALL CUT OFF CONDUITS AND REMOVE WIRING.
- F. WHERE EXISTING LIGHT FIXTURES ARE TO BE REUSED, THE ELECTRICAL CONTRACTOR SHALL CLEAN AND REPLACE LAMPS, REPAIR OR REPLACE DEFECTIVE PARTS, LENS, BALLAST, ETC. AS REQUIRED.
- G. WHERE EXISTING CONDUIT IS TO BE ABANDONED, THE CONDUIT SHALL BE REMOVED IF IT IS EXPOSED, IN A CRAWL SPACE OR IN AN ACCESSIBLE CEILING. WHERE IT IS IMPOSSIBLE TO REMOVE THE CONDUIT, IT SHALL BE CUT OFF AND CAPPED OR PLUGGED.
- H. THE CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRED PATCHING, PLASTERING, PAINTING AND/OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THIS SPECIFICATION. CLOSE ALL OPENINGS, REPAIR ALL SURFACED, ETC., AS REQUIRED. THE CONTRACTOR SHALL EMPLOY QUALIFIED AND EXPERIENCED WORKMEN FOR THIS WORK. ALL RESTORATION WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND/OR THE OWNER.
- I. ALL TEMPORARY AND REMODELING WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
- J. EXAMINE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE SEQUENCE OF CONSTRUCTION THROUGHOUT THE PROJECT, INCLUDING EXISTING, TEMPORARY, REMODELED AND NEW AREAS.
- K. ALL ELECTRICAL CONNECTIONS REQUIRING AN OUTAGE SHALL BE MADE DURING AN APPROVED TIME LIMIT. CHANGEOVERS SHALL BE AS SHORT A DURATION AS POSSIBLE AND SHALL NOT INTERFERE WITH NORMAL OPERATION OF THE OWNER'S FACILITIES. NOTICE SHALL BE REQUIRED IN ADVANCE OF A SHUTDOWN OF ANY ELECTRICAL CIRCUIT FOR CHANGEOVER, AND SUCH A CHANGEOVER SHALL BE DONE DURING HOURS AS DIRECTED BY OWNER. WORK SHALL BE SCHEDULED SO THAT AT NO TIME WILL ANY EMERGENCY FEEDER, CIRCUIT, OR FIRE ALARM ZONE BE OUT OF SERVICE. PROVIDE NECESSARY TEMPORARY FEEDERS TO ACCOMPLISH THIS REQUIREMENT.
- L. EXISTING LOW VOLTAGE WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO CONDITION, OR POSITION, AS REQUIRED. PROPERLY RE-SECURE CABLE IN CHASES, CRAWL SPACES, TUNNELS, AND CEILING SPACES AS REQUIRED BY NEC. IN SOME CASES IT MAY BE NECESSARY TO ADD SUPPORTING HARDWARE TO ACCOMPLISH THIS REQUIREMENT.
- M. IF POSSIBLE, ALL NEWLY INSTALLED RECEPTACLES SHALL BE INSTALLED IN SEPARATE OR ADJACENT STUD SPACES, TO AVOID SOUND TRANSMISSION AND WALL INTEGRITY ISSUES. ALL NEWLY INSTALLED RECEPTACLES LOCATED IN COMMON STUD SPACES OF FIRE-RESISTANT WALLS SHALL BE EQUIPPED WITH FIRE-RESISTANT PUTTY PADS AT THE BACK OF EACH BOX IN ACCORDANCE WITH NEC 300.21.

DEMOLITION GENERAL NOTES:

- A. RETURN REMOVED MATERIAL DEEMED SALVAGEABLE BY OWNER'S REPRESENTATIVE. MATERIALS DEEMED NOT SALVAGEABLE SHALL BE REMOVED FROM THE PREMISES.
- B. THE CONTRACTOR WILL BE HELD TO HAVE EXAMINED THE PREMISES AND SATISFIED HIMSELF AS TO EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGED TO PERFORM HIS WORK. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND THE CONTRACTOR SHALL HARMONIZE HIS WORK SO THAT EACH PIECE OF EQUIPMENT WILL BE INSTALLED AS TO FUNCTION PROPERLY. THE CONTRACTOR SHALL COOPERATE WITH OTHER TRADES.
- C. REMOVE ALL EXISTING WIRING DEVICES, LIGHT FIXTURES, WIRE, CONDUIT, ETC., AS NOTED OR INDICATED WITHIN DEMOLITION AREA. (ALL ITEMS MAY NOT BE SHOWN). REWORK AS NECESSARY CIRCUITING WHICH REQUIRES CONTINUATION THROUGH THE AREA.
- D. ELECTRICAL CONTRACTOR TO PROVIDE ALL NECESSARY LABOR, CONDUIT, WIRE, CONNECTIONS, ETC., FOR DEVICES, FIXTURES, ETC., NOTED AS "EXISTING TO REMAIN" SUCH THAT EXISTING CIRCUIT CONTINUITY IS MAINTAINED.
- E. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED TO REMOVE/RELOCATE ANY EXISTING ELECTRICAL EQUIPMENT SUCH THAT ELECTRIC SHOCK HAZARDS TO WORKMEN ARE ELIMINATED DURING DEMOLITION AND NEW CONSTRUCTION.
- F. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK IN REMOVING AND REPLACING "EXISTING TO REMAIN" FIXTURES, DEVICES, ETC., AS REQUIRED SO THAT THESE DEVICES ARE NOT DAMAGED DURING DEMOLITION. RELOCATED TO NEAREST APPROPRIATE LOCATION TO AVOID CONFLICTS WITH OTHER TRADES' WORK. REPLACE WITH NEW ANY "EXISTING TO REMAIN" FIXTURE, DEVICE, ETC., NOT DEEMED SALVAGEABLE BY OWNER'S REPRESENTATIVE.
- G. REMOVED OR DAMAGED CONDUIT, WIRE, AND FITTINGS SHALL NOT BE REUSED FOR RELOCATED OR NEW DEVICES.
- H. MAKE AS-BUILTS WITH NEW TYPED DIRECTORIES FOR ALL PANELBOARDS, INDICATING CIRCUIT DESCRIPTION (USED OR SPARE), CIRCUIT BREAKERS AND CIRCUIT LOAD.
- I. WORK REQUIRED FOR EXISTING EQUIPMENT NOTED AS "EXISTING TO BE REMOVED" SHALL INCLUDE:
1. REMOVAL OF FEEDER FROM EQUIPMENT TO POINT OF FEED.
2. REMOVAL OR RE-CIRCUITING OF ALL BRANCH CIRCUITING.
3. REMOVAL OF ALL FITTINGS, SUPPORTS, BRACKETS, ETC.
4. PATCHING OF WALLS, FLOORS AND CEILINGS PER ARCHITECT'S INSTRUCTIONS.
5. CAPPING OF FEEDER CONDUIT AT 6" ABOVE OR BELOW FLOOR/CEILING AS REQUIRED AND MARKING LOCATION OF POINT OF FEED WITH AN ENGRAVED BRASS TAG.
6. REMOVAL OF FEEDER CONDUIT IF FOUND TO BE UNSALVAGEABLE BY ARCHITECT, ENGINEER OR OWNER'S REPRESENTATIVE.
- J. EXISTING EQUIPMENT NOT IMPLICITLY SHOWN ON THE DRAWINGS IS INTENDED TO BE "EXISTING TO REMAIN UNCHANGED", UNLESS NOTED OTHERWISE.

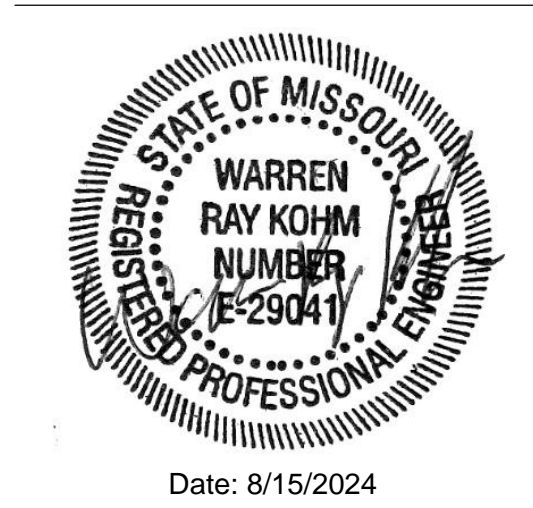
ABBREVIATIONS

(E)	EXISTING (ALSO COVERED BT TEXT WEIGHT)
(F)	FUTURE
(PART)	PARTIAL CIRCUIT
(R)	RELOCATE
2S1W	TWO SPEED, SINGLE WINDING
2S2W	TWO SPEED, TWO WINDING
A	AMPERES
AC	6" ABOVE COUNTER
ADA	AMERICANS WITH DISABILITIES ACT
AF	AMPERES FRAME
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERES INTERRUPTION CAPACITY
AL	ALUMINUM
AT	AMPERES TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CAM	CAMERA
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CCW	COUNTER CLOCKWISE
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CO	CONDUIT ONLY
CRI	COLOR RENDERING INDEX
CT	CURRENT TRANSFORMER
CJ	COPPER
CW	CLOCKWISE
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DR	DUPLEX RECEPTACLE
DWG	DRAWING(S)
EC	ELECTRICAL CONTRACTOR
ELC	ELEVATOR CONTRACTOR
ELEC	ELECTRIC/ELECTRICAL
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXP	EXPLOSION PROOF
F	FUSED
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLE
FLA	FULL LOAD AMPERES
FMC	FLEXIBLE METAL CONDUIT
FO	FIBER OPTIC
FPC	FIRE PROTECTION CONTRACTOR
FS	FUSED SWITCH
FSD	FIRE/SMOKE DAMPER
FT	FOOT/FEET
FVNR	FULL VOLTAGE, NON-REVERSING
FVR	FULL VOLTAGE, REVERSING
G	GROUND
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GF	GROUND FAULT
GF/GFCI	GROUND FAULT INTERRUPTER
GND	GROUND/GROUNDING
H	HORIZONTALLY MOUNTED
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HZ	FREQUENCY
I/O	INPUT/OUTPUT
IC	INTERRUPTING CAPACITY
ID	INSIDE DIAMETER
IDF	INTERMEDIATE DISTRIBUTION FRAME
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
ISC	SHORT CIRCUIT CURRENT
JB	JUNCTION BOX
K	KELVIN (COLOR TEMPERATURE)
KCMIL	1000 CIRCULAR MILS
KV	KILOVOLTS
KVA	KILVOLT-AMPERES
KW	KILOWATTS
KWH	KILOWATT-HOUR
LAN	LOCAL AREA NETWORK
LC	LIGHTING CONTRACTOR
LCP	LIGHTING CONTROL PANEL
LED	LIGHT EMITTING DIODE
LF	LINEAR FOOT
LFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT
LFS	LIGHT FIXTURE SCHEDULE
LM	LUMEN
LTG	LIGHTING
LV	LOW VOLTAGE

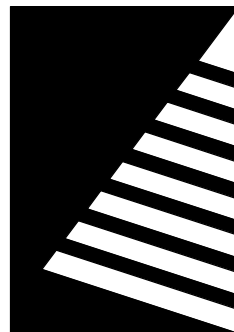
ABBREVIATIONS

MAN	MANUAL MOTOR STARTER WITH OVERLOADS
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPERES
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MDF	MAIN DISTRIBUTION FRAME
MDP	MAIN DISTRIBUTION PANEL
MEFPF	MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION
MGB	MASTER GROUND BAR
MH	MANHOLE
MH	METAL HALIDE
MIN	MINIMUM
MLO	MAIN LUG ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MSB	MAIN SWITCHBOARD
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
MVA	MEGAVOLT-AMPERES
MW	MEGAWATT
MWH	MEGAWATT-HOURS
N	NEUTRAL
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NONFUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NP	NAMEPLATE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OWN	OWNER
P	POLE
PA	PUBLIC ADDRESS
PB	PULL BOX
PC	PHOTOCELL
PC	PLUMBING CONTRACTOR
PDT	PASSIVE DUAL TECHNOLOGY
PF	POWER FACTOR
PH	PHASE
PIR	PASSIVE INFRARED
PLC	PROGRAMMABLE LOGIC CONTROLLER
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
PWC	PRE-WIRED CONTROLS
PWR	POWER
RCPT	RECEPTACLE
REQD	REQUIRED
RF	RADIO FREQUENCY
RM	ROOM
RMC	RIGID METAL CONDUIT
RNC	RIGID NON-METALLIC CONDUIT (SCH 40)
RVAT	REDUCED VOLTAGE - AUTOTRANSFORMER
SC	SHORT CIRCUIT
SCC	SHORT CIRCUIT CURRENT RATING
SDP	SUBDISTRIBUTION PANEL
SEC	SECONDARY
SHLD	SHIELD(ED) (AS IN CABLE)
SHT	SHEET
SPD	SURGE-PROTECTIVE DEVICE
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
SR	SINGLE RECEPTACLE
ST	SHUNT TRIP
SW	MOTOR RATED SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TBD	TO BE DETERMINED
TC	TIMECLOCK
TEMP	TEMPERATURE
TT	THERMAL TRIP SWITCH
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
U	UTILITY
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTABLE POWER SUPPLY
V	VOLTS
VA	VOLT-AMPERES
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLTS DIRECT CURRENT
VFD	VARIABLE FREQUENCY DRIVE
VND	VENDOR
W	WATTS
W	WIRE
WHM	WATT/ HOUR METER
WP	WEATHERPROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF
Z	IMPEDANCE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

FACILITY #.: 8136803002

FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KMA

CHECKED BY: WRK

DESIGNED BY: TLA

SHEET TITLE:

ELECTRICAL  
GENERAL NOTES  
AND ABBREVIATIONS

SHEET NUMBER:

E-002

SHEET 162 of 197

ISSUE DATE: 08/15/2024



KEYNOTES #

1 NO WORK IN THIS AREA.

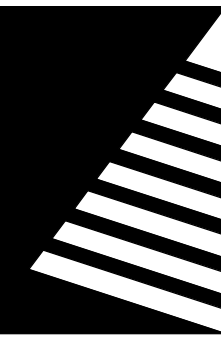
GENERAL NOTES

- A. CONTRACTOR SHALL MAINTAIN CIRCUITING IN RESIDENT ROOMS SUCH THAT EXISTING CIRCUITS AND BOXES SHALL BE REUSED FOR NEW LIGHTING.
- B. CONTRACTOR SHALL MAINTAIN CIRCUITING AND CONTROLS TO BE REUSED FOR NEW LIGHTING. CAP AND PROTECT CIRCUITS FOR FUTURE RESUSE. EXTEND AS REQUIRED.
- C. REMOVE ALL OUTLETS, DEVICES, AND SWITCH COVERS IN THE FOLLOWING ROOMS/SPACES: MAIN STREET 010, CANTEEN 039, AND BARBER 011.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

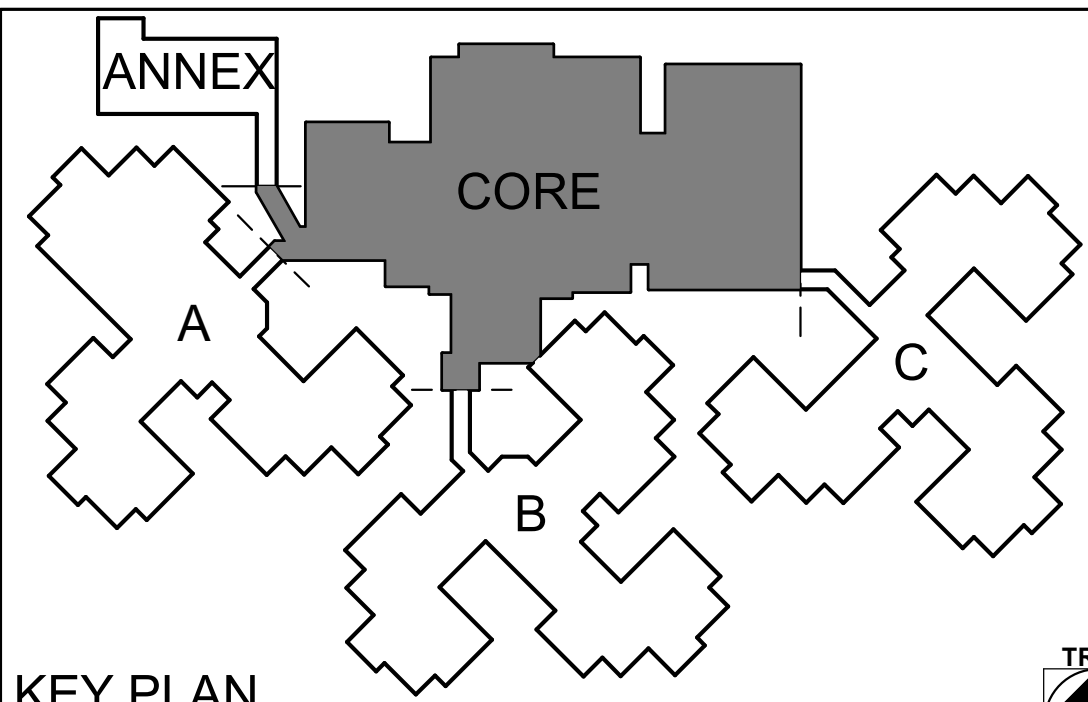
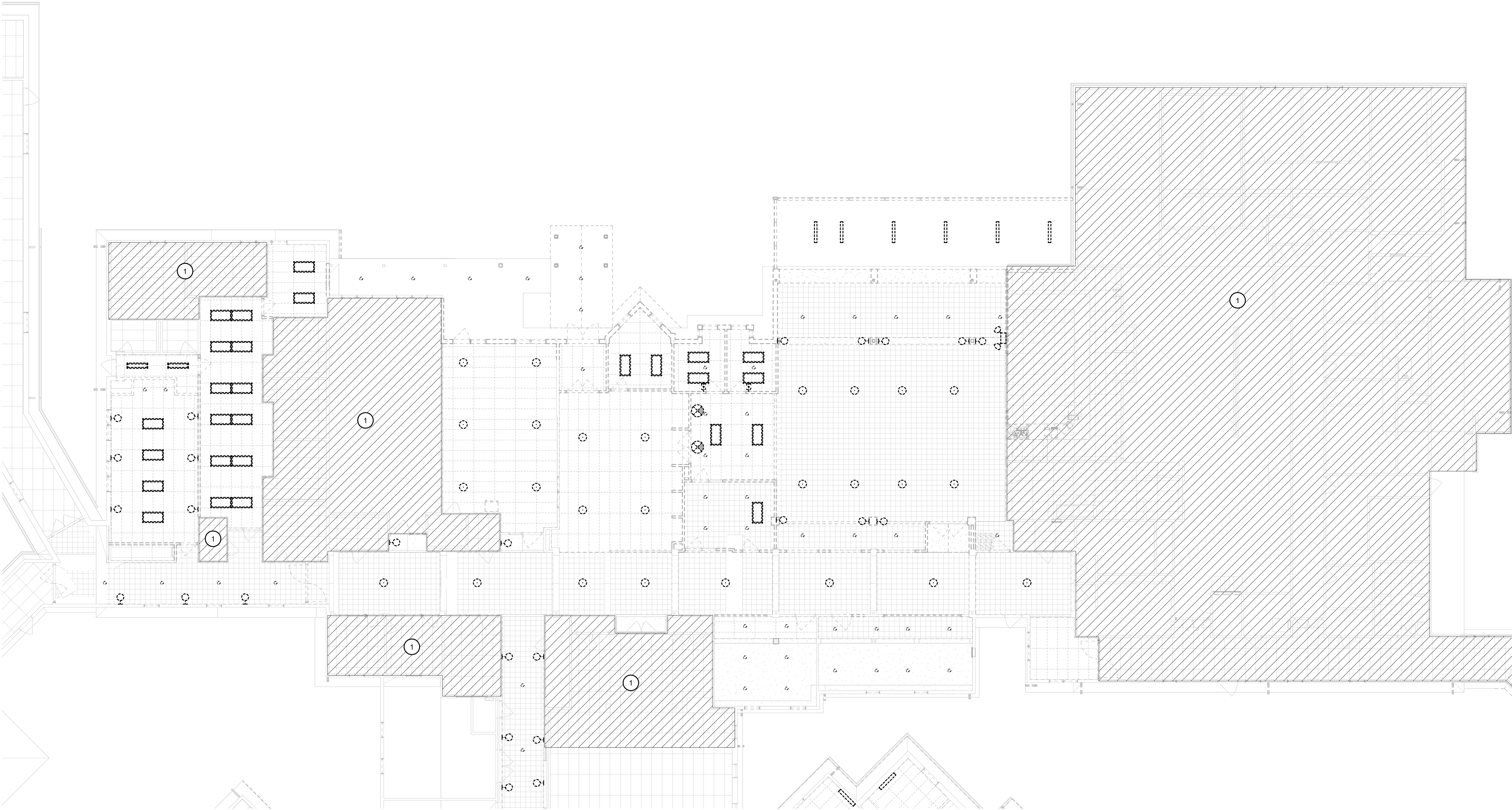
SHEET TITLE:

LIGHTING  
DEMOLITION PLAN -  
CORE

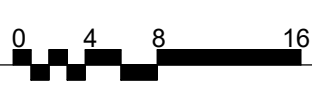
SHEET NUMBER:

E-101

SHEET 163 of 197  
ISSUE DATE: 08/15/2024



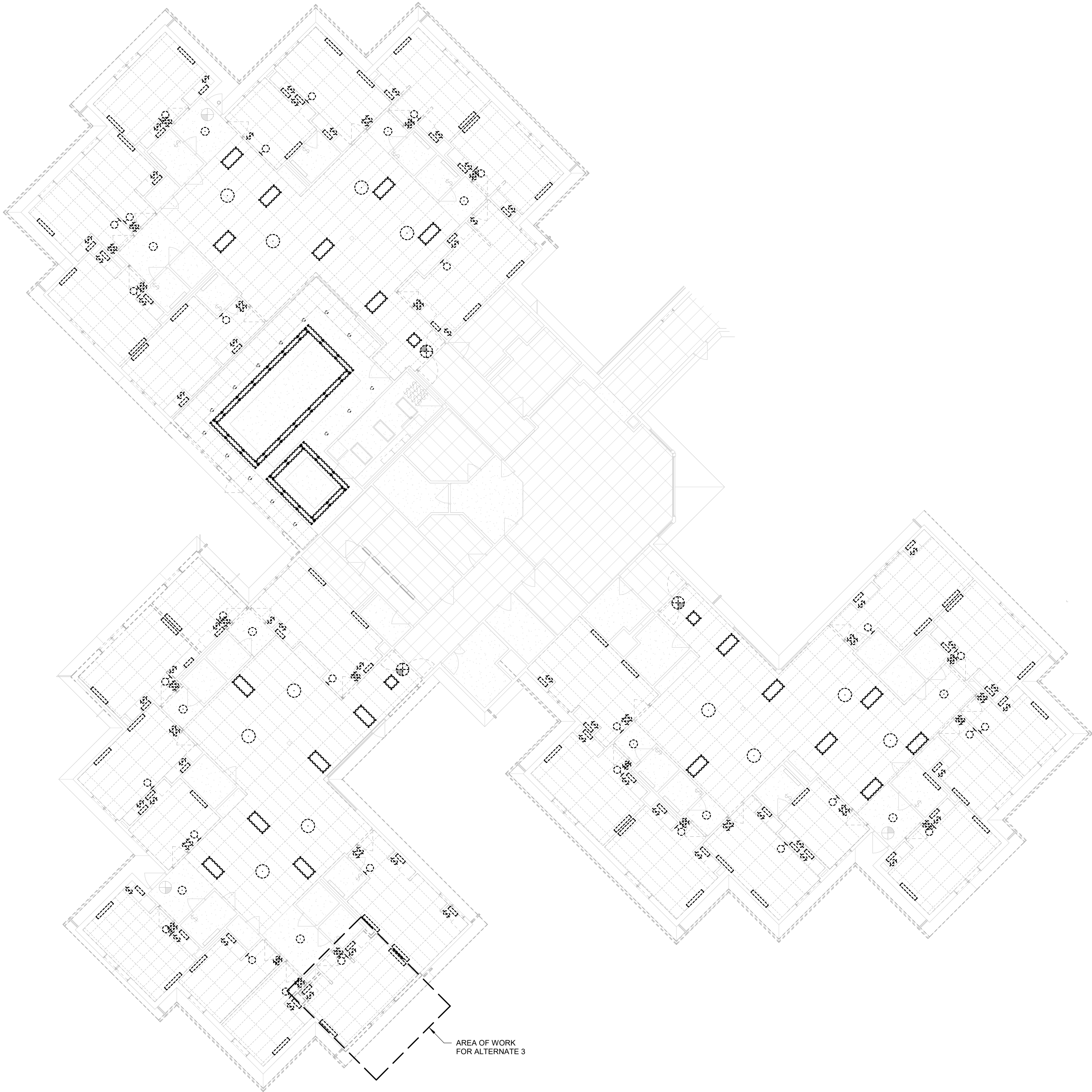
KEY PLAN  
SCALE: NO SCALE



1 LIGHTING DEMOLITION PLAN - CORE  
Scale: 3/32" = 1'-0"

8/14/2024 4:27:00 PM



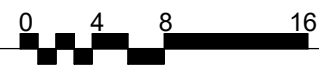


8/14/2024 4:27:01 PM

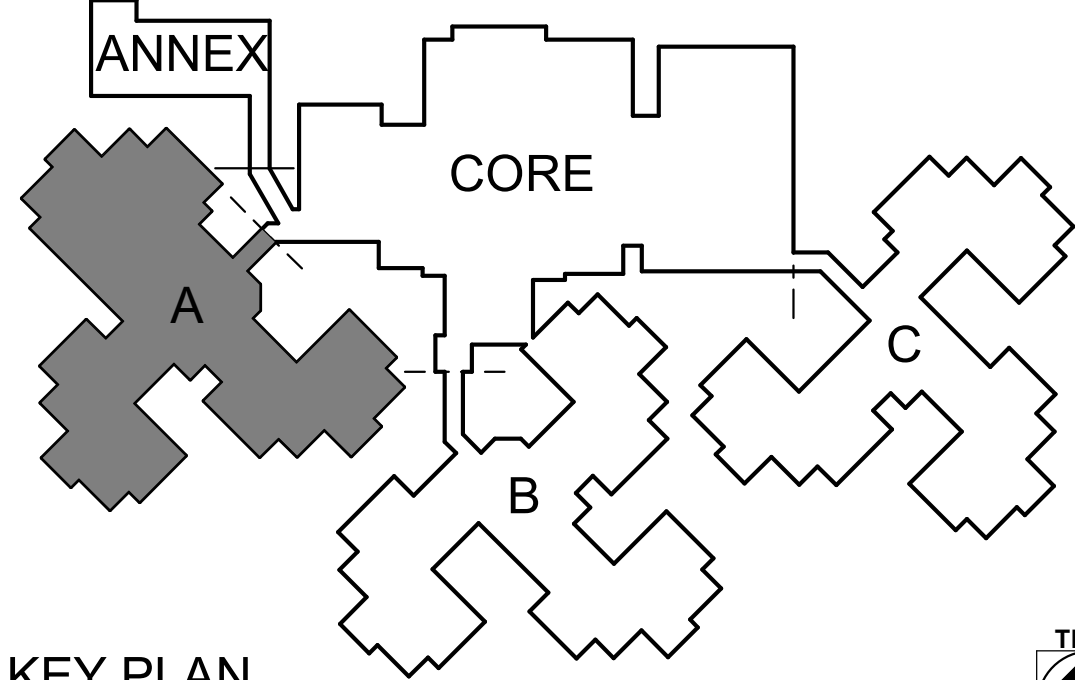
1

LIGHTING DEMOLITION PLAN - WING A

Scale: 3/32" = 1'-0"



KEY PLAN  
SCALE: NO SCALE



GENERAL NOTES

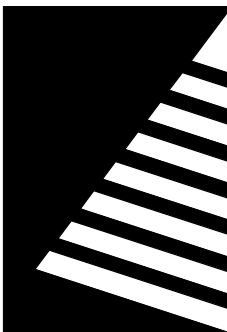
- A. CONTRACTOR SHALL MAINTAIN CIRCUITING IN RESIDENT ROOMS SUCH THAT EXISTING CIRCUITS AND BOXES SHALL BE REUSED FOR NEW LIGHTING.
- B. CONTRACTOR SHALL MAINTAIN CIRCUITING AND CONTROLS IN PODS TO BE REUSED FOR NEW LIGHTING.

KEYNOTES <sup>#</sup>

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
FACILITY #.:	8136803002
FAI#.:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:

LIGHTING  
DEMOLITION PLAN -  
WING A

SHEET NUMBER:

E-102

SHEET 164 of 197  
ISSUE DATE: 08/15/2024

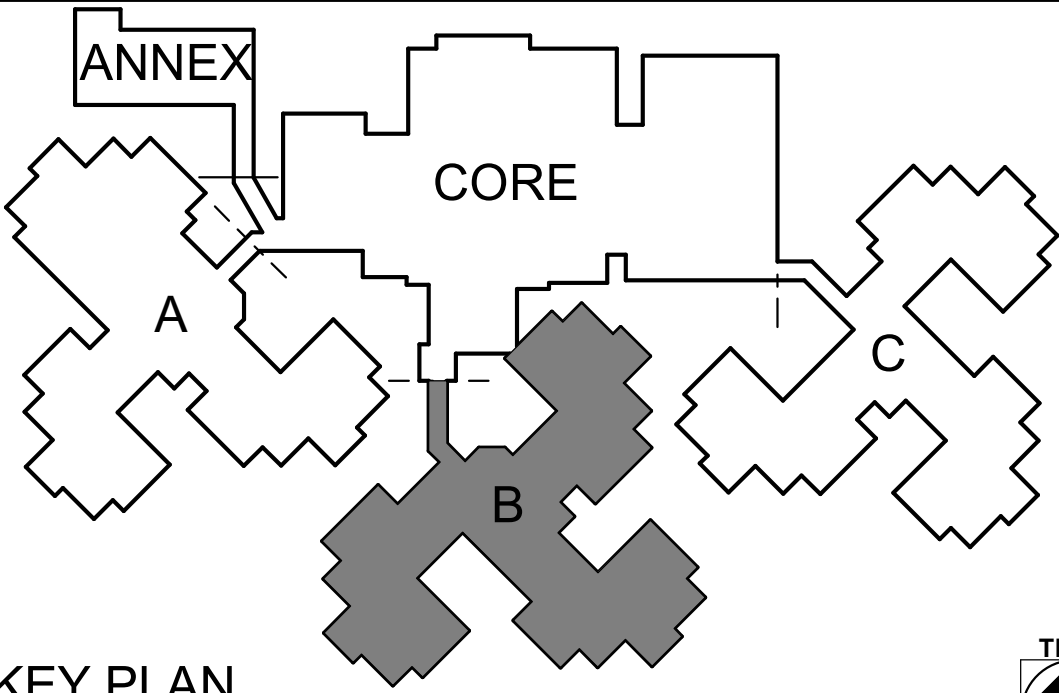




GENERAL NOTES

- A. CONTRACTOR SHALL MAINTAIN CIRCUITING IN RESIDENT ROOMS SUCH THAT EXISTING CIRCUITS AND BOXES SHALL BE REUSED FOR NEW LIGHTING.
- B. CONTRACTOR SHALL MAINTAIN CIRCUITING AND CONTROLS IN PODS TO BE REUSED FOR NEW LIGHTING.

KEYNOTES #

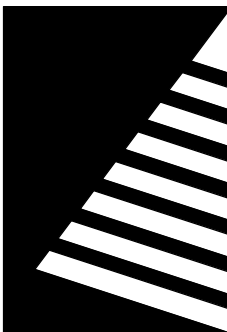


KEY PLAN  
SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#: 29-043  
# DATE: DESCRIPTION:

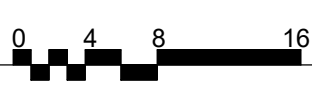
DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:  
LIGHTING  
DEMOLITION PLAN -  
WING B

SHEET NUMBER:

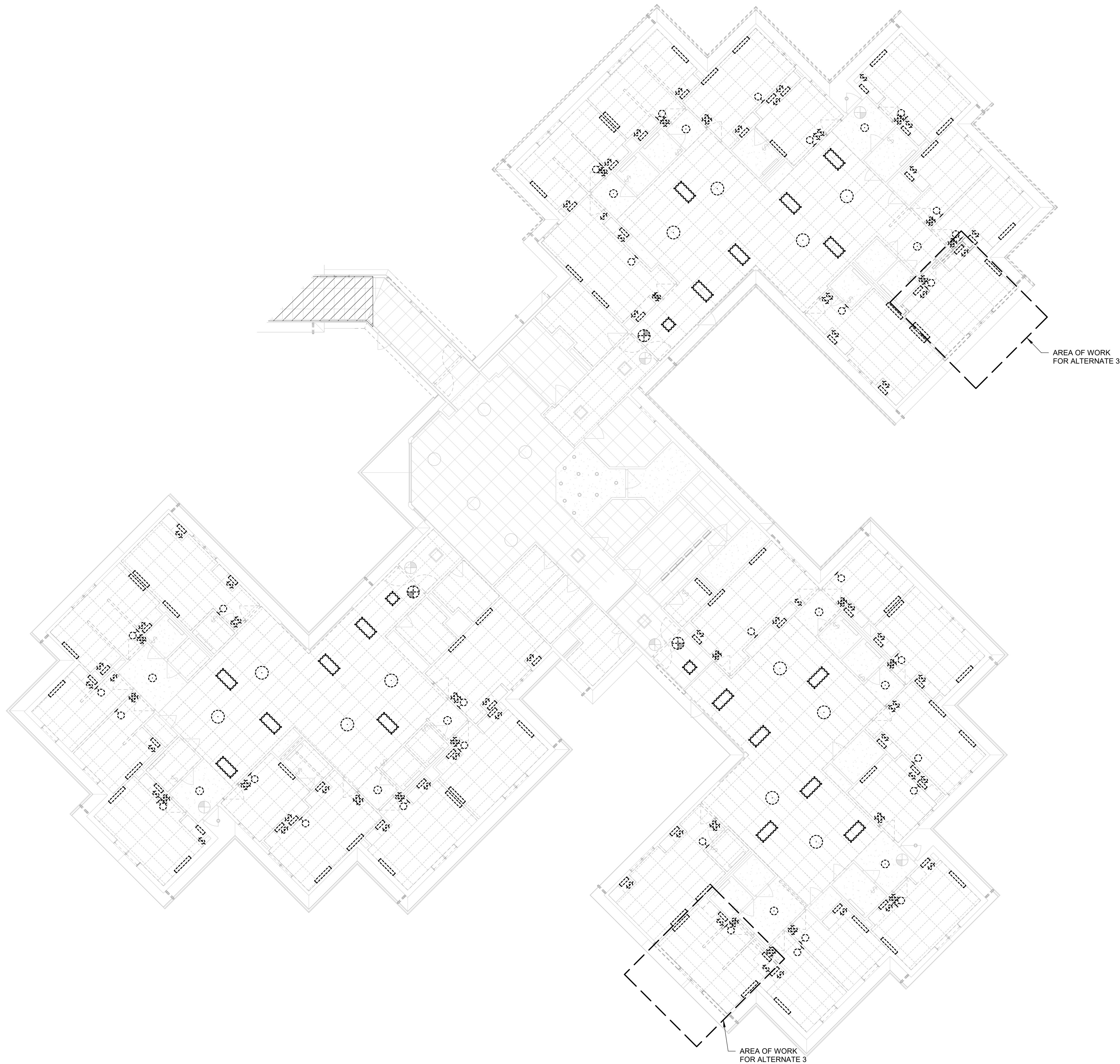
E-103

SHEET 165 of 197  
ISSUE DATE: 08/15/2024





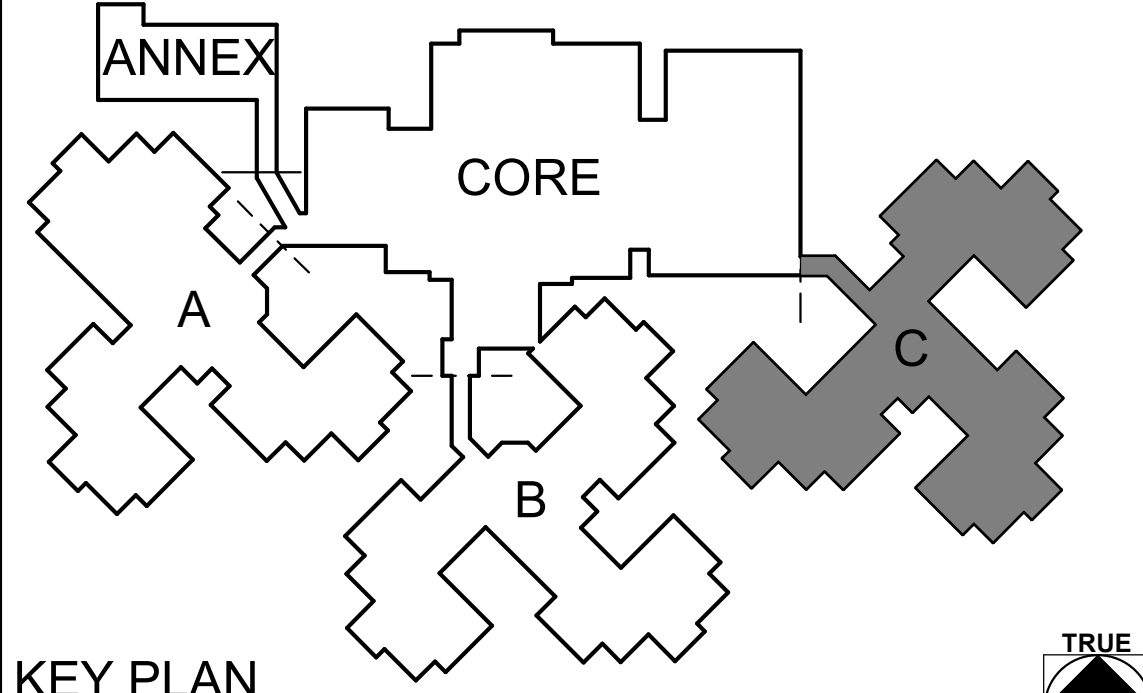
1



GENERAL NOTES

- A. CONTRACTOR SHALL MAINTAIN CIRCUITING IN RESIDENT ROOMS SUCH THAT EXISTING CIRCUITS AND BOXES SHALL BE REUSED FOR NEW LIGHTING.
- B. CONTRACTOR SHALL MAINTAIN CIRCUITING AND CONTROLS IN PODS TO BE REUSED FOR NEW LIGHTING.

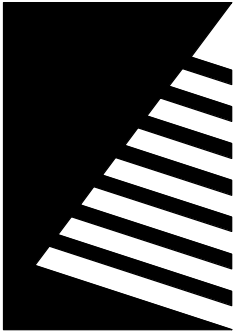
KEYNOTES #



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:  
**LIGHTING  
DEMOLITION PLAN -  
WING C**

SHEET NUMBER:

**E-104**

SHEET 166 of 197  
ISSUE DATE: 08/15/2024

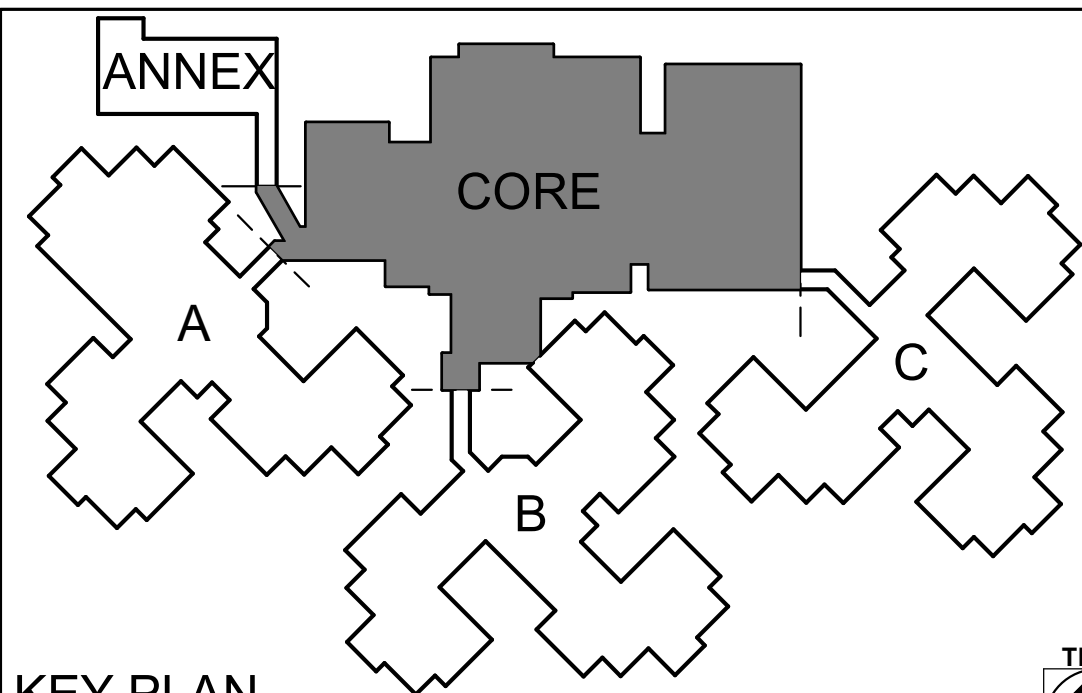
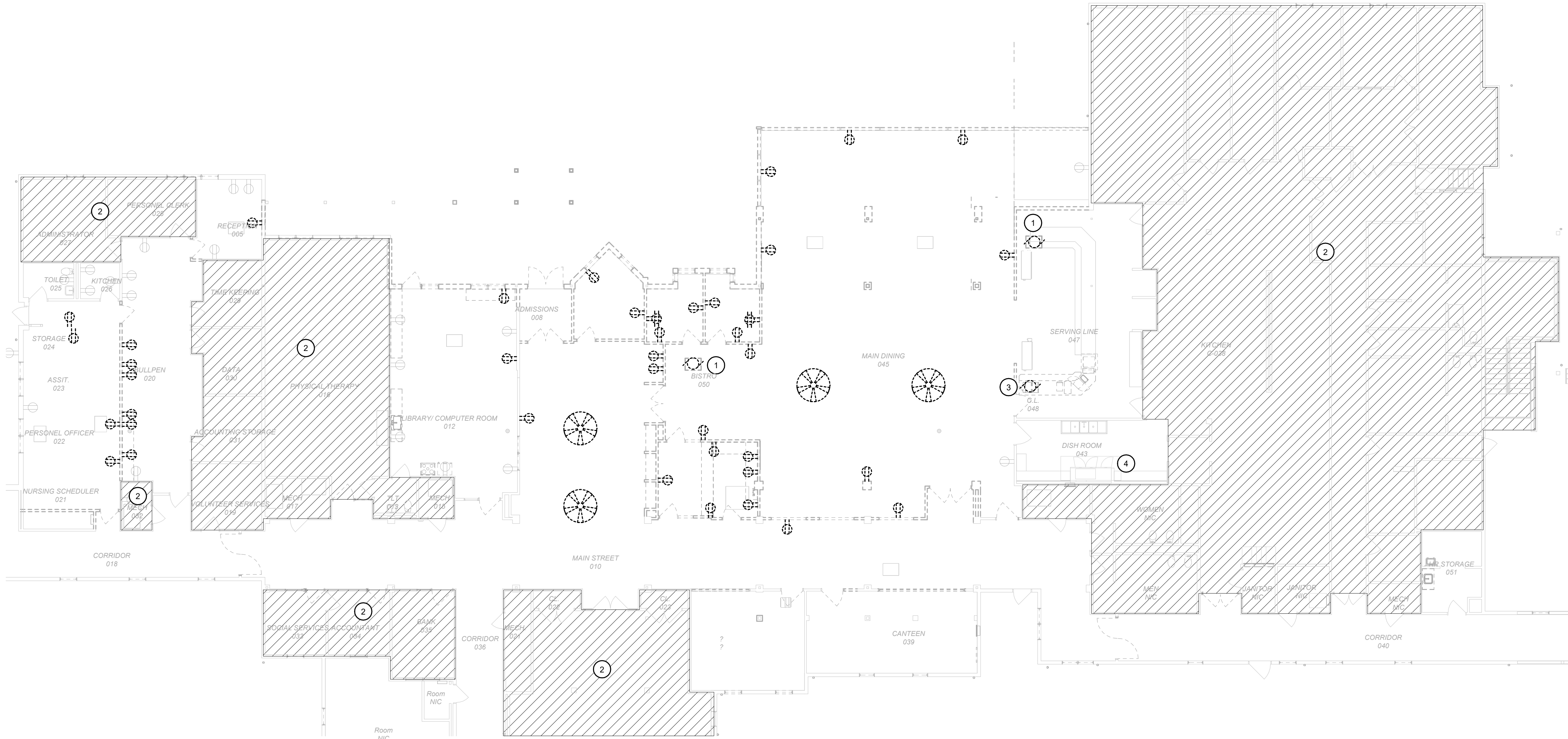


KEYNOTES #

- 1
- DISCONNECT POWER FROM EXISTING FAN COIL UNIT AND REMOVE CONDUIT AND WIRE BACK TO SOURCE AND MARK CIRCUIT AS SPARE.
- 2
- NO WORK IN THIS AREA.
- 3
- DISCONNECT EXISTING HOOD ABOVE COFFEE MAKER. CAP AND PROTECT CIRCUIT FOR EXTENSION TO NEW LOCATION. COORDINATE WITH MECHANICAL TRADE.
- 4
- DISCONNECT EXISTING EQUIPMENT AND REMOVE FOR OTHER WORK TO BE COMPLETED IN THIS AREA. CAP AND PROTECT EXISTING CIRCUITS FOR LATER RECONNECTION OF EXISTING EQUIPMENT IN SAME LOCATION.

GENERAL NOTES

- A.
- DURING DEMOLITION MAINTAIN EXISTING CIRCUITS FOR REUSE UNLESS NOTED OTHERWISE.



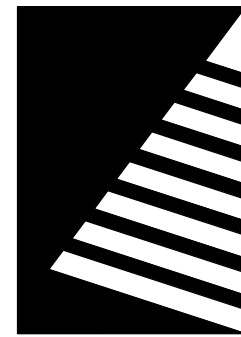
8/14/2024 4:27:04 PM



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043

# DATE: DESCRIPTION:  
1 01/28/2020 ADD 04

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:  
POWER DEMOLITION  
PLAN - CORE

SHEET NUMBER:

E-105

SHEET 167 of 197  
ISSUE DATE: 08/15/2024

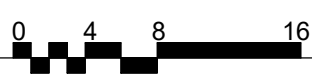
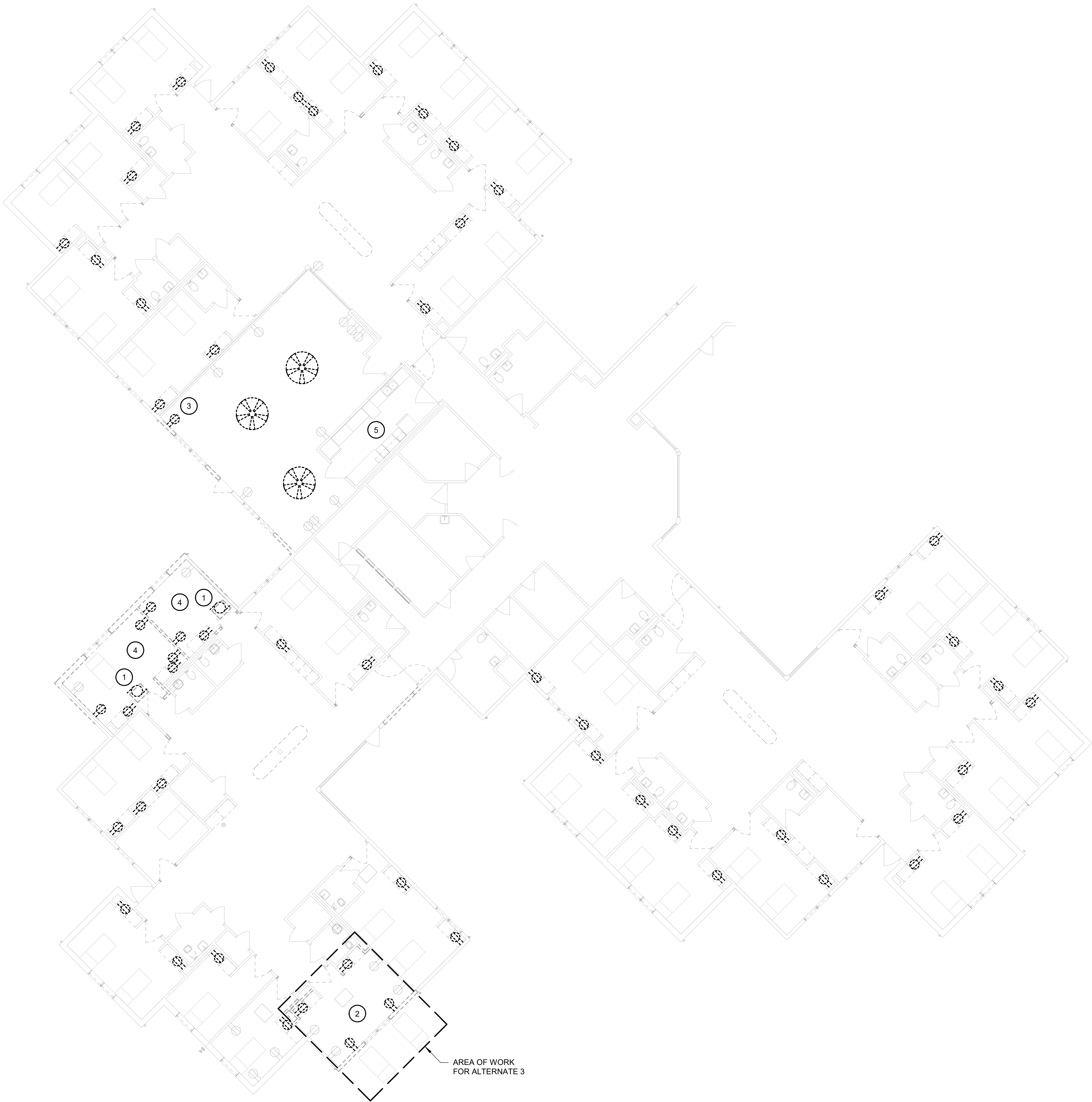


8/14/2024 4:27:07 PM

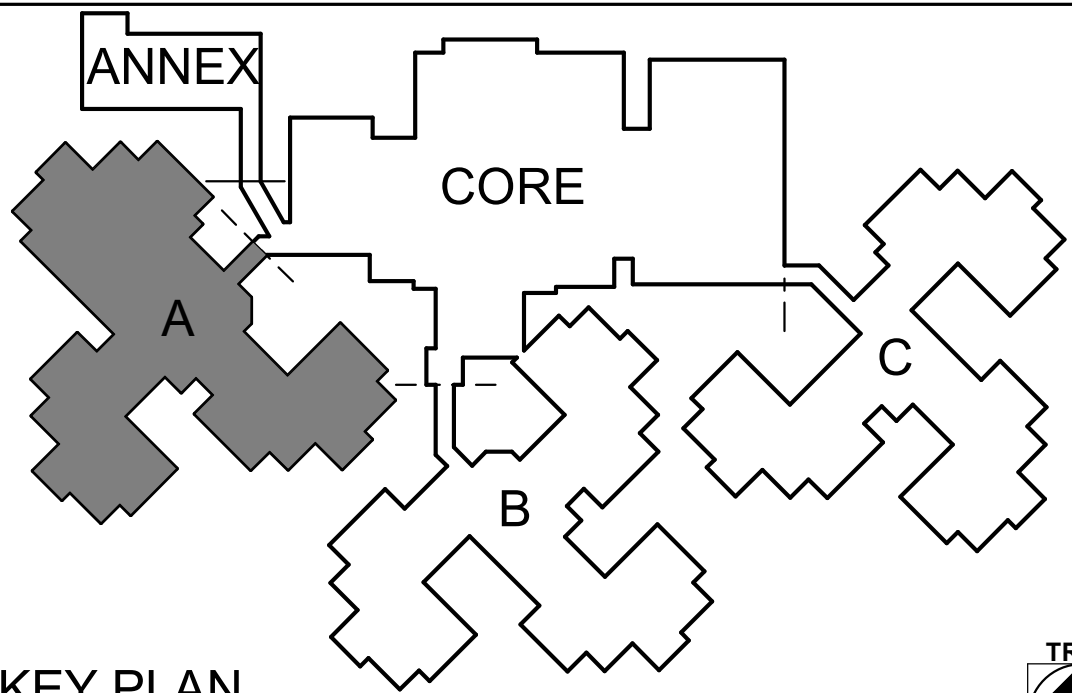
1

POWER DEMOLITION PLAN - WING A

Scale: 3/32" = 1'-0"



KEY PLAN  
SCALE: NO SCALE



GENERAL NOTES

- A. REMOVE RECEPTACLES FOR TELEVISIONS IN PATIENT ROOMS, AS SHOWN. PROTECT CIRCUIT FOR EXTENSION TO NEW TELEVISION LOCATION, AS SHOWN ON NEW WORK...

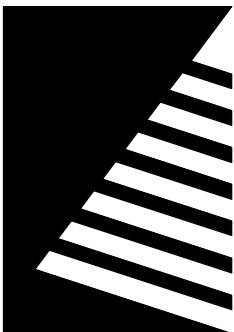
KEYNOTES #

1. DISCONNECT POWER FROM EXISTING FAN COIL UNIT AND PREPARE TO EXTEND TO NEW FCU-118A AND 119A.
2. CONTRACTOR SHALL MAINTAIN EXISTING CIRCUITS FOR REUSE IN SEMI-PRIVATE A205.
3. RELOCATE EXISTING RECEPTACLE AND CIRCUIT AS INDICATED ON NEW WORK PLAN.
4. CONTRACTOR SHALL MAINTAIN EXISTING CIRCUITS FOR REUSE IN SEMI-PRIVATE A220 AND PRIVATE A218.
5. DISCONNECT EXISTING EQUIPMENT AND REMOVE FOR OTHER WORK TO BE COMPLETED IN THIS AREA. CAP AND PROTECT EXISTING CIRCUITS FOR LATER RECONNECTION OF EXISTING EQUIPMENT IN SAME LOCATION.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:  
**POWER DEMOLITION  
PLAN - WING A**

SHEET NUMBER:

**E-106**

SHEET 168 of 197  
ISSUE DATE: 08/15/2024

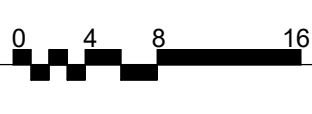


8/14/2024 4:27:09 PM

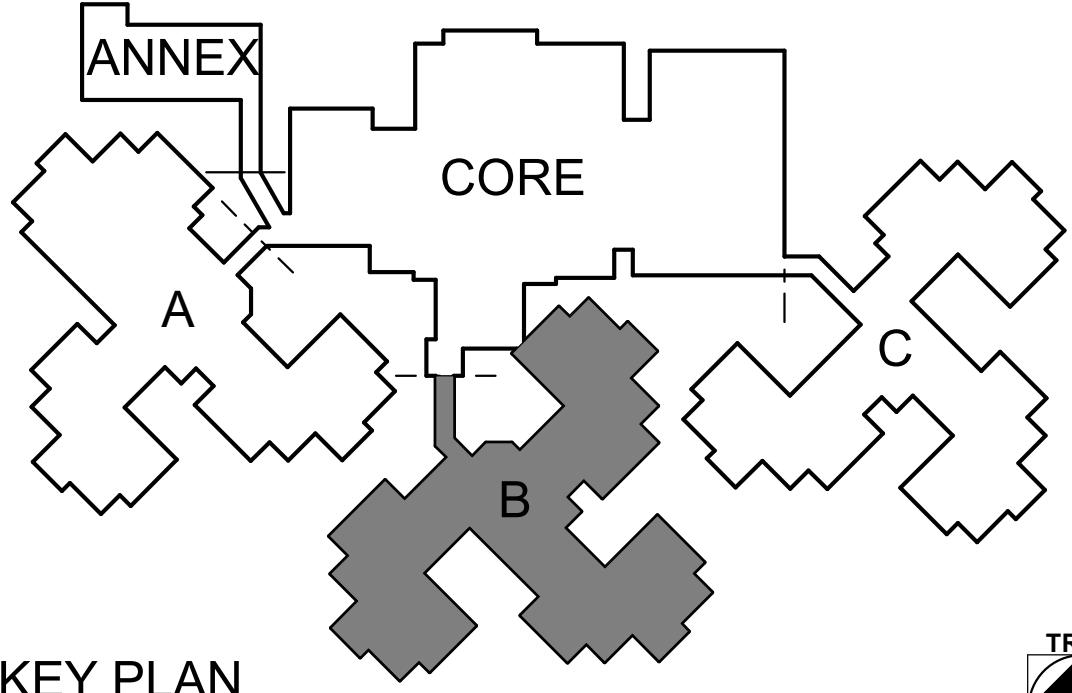
1

POWER DEMOLITION PLAN - WING B

Scale: 3/32" = 1'-0"



KEY PLAN  
SCALE: NO SCALE



GENERAL NOTES

- A. REMOVE RECEPTACLES FOR TELEVISIONS IN PATIENT ROOMS, AS SHOWN. PROTECT CIRCUIT FOR EXTENSION TO NEW TELEVISION LOCATION, AS SHOWN ON NEW WORK...

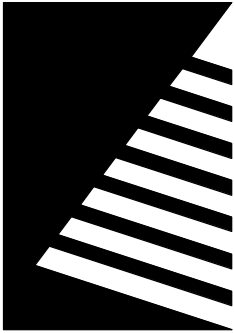
KEYNOTES #

- 1 CONTRACTOR SHALL MAINTAIN EXISTING CIRCUITS FOR REUSE IN SEMI-PRIVATE B105 & B305.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

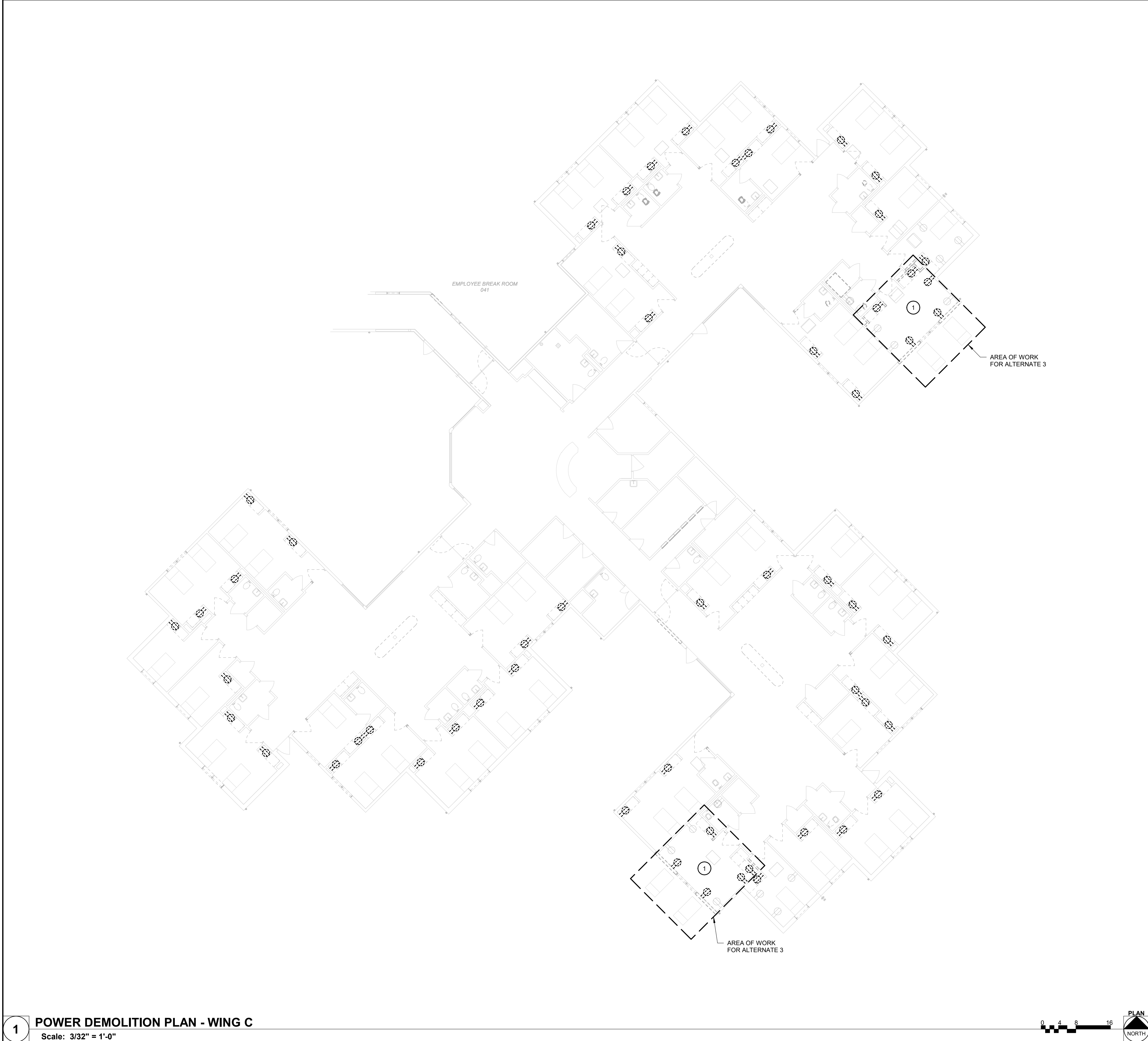
SHEET TITLE:  
**POWER DEMOLITION  
PLAN - WING B**

SHEET NUMBER:

**E-107**

SHEET 169 of 197  
ISSUE DATE: 08/15/2024





**GENERAL NOTES**

A. REMOVE RECEPTACLES FOR TELEVISIONS IN PATIENT ROOMS, AS SHOWN. PROTECT CIRCUIT FOR EXTENSION TO NEW TELEVISION LOCATION, AS SHOWN ON NEW WORK...

**KEYNOTES** #

1	RELOCATE EXISTING RECEPTACLE AND CIRCUIT AS INDICATED ON NEW WORK PLAN.
---	---

ANNEX

CORE

A

B

C

**KEY PLAN**  
SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR

Date: 8/15/2024

**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01	
SITE #.:	6803	
FACILITY #.:	8136803002	
FAI#.:	29-043	
#	DATE:	DESCRIPTION:
1	01/28/2020	ADD 04

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:  
**POWER DEMOLITION  
PLAN - WING C**

SHEET NUMBER:  
**E-108**

SHEET 170 of 197  
ISSUE DATE: 08/15/2024

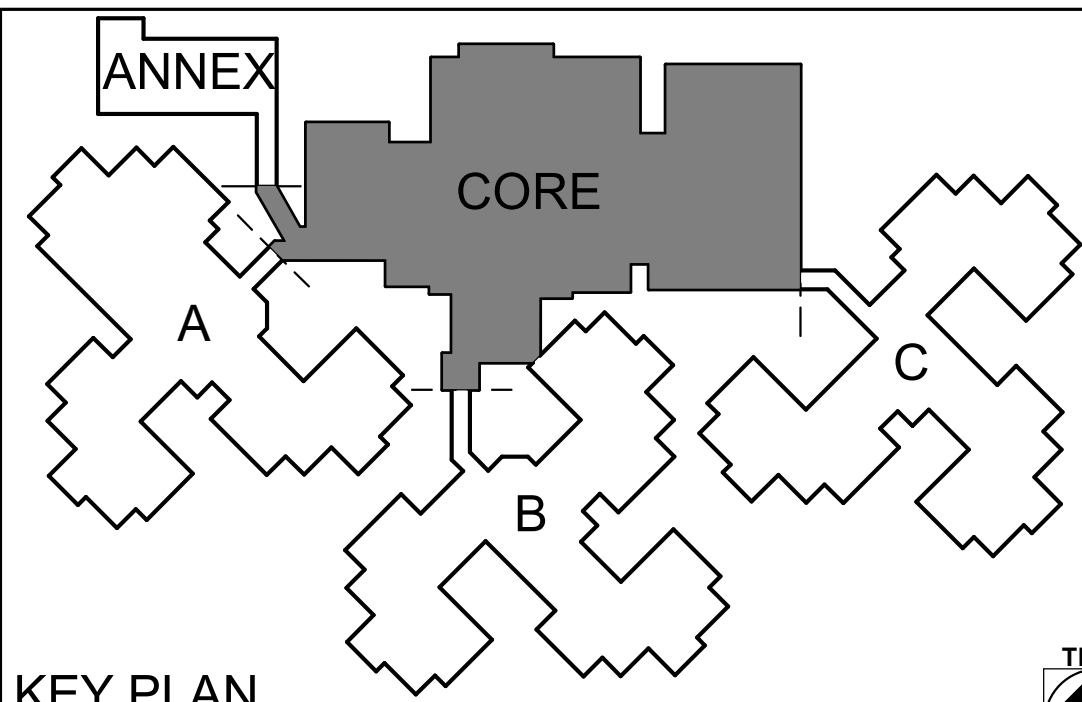
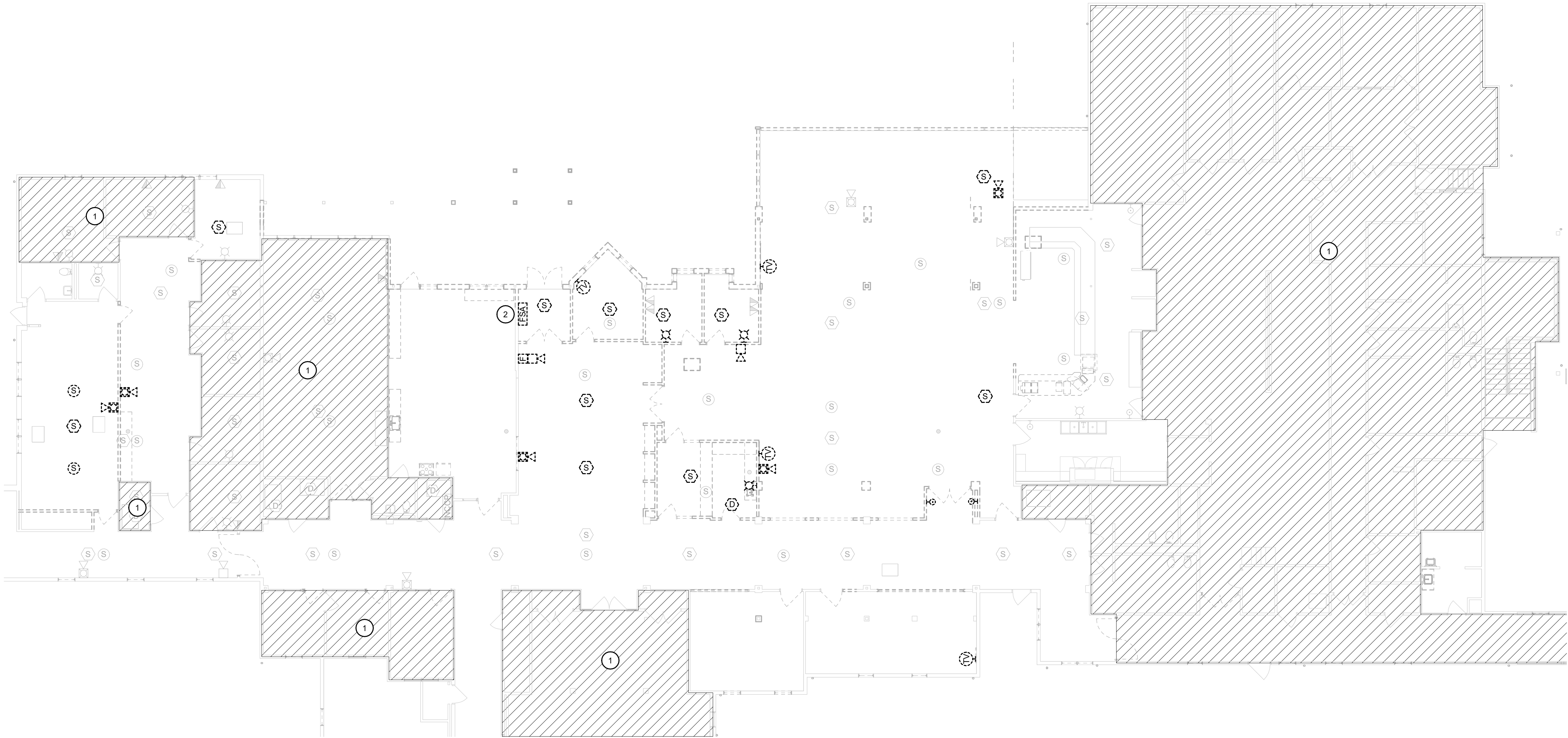


KEYNOTES #

- 1
- NO WORK IN THIS AREA.
- 2
- DISCONNECT FIRE ALARM ANNUNCIATOR AND STORE FOR FUTURE REINSTALLATION IN NEW LOCATION. CAP AND PROTECT CIRCUITS FOR LATER EXTENSION TO NEW LOCATION.

GENERAL NOTES

- A.
- EXISTING DEVICES AND DEVICES SHOWN FOR REMOVAL SHALL BE TAKEN DOWN CLEANED AND REUSED. SEE NEW WORK PLANS FOR NEW LOCATIONS.



8/15/2024 4:27:14 PM

1

SYSTEMS DEMOLITION PLAN - CORE

Scale: 3/32" = 1'-0"



KEY PLAN

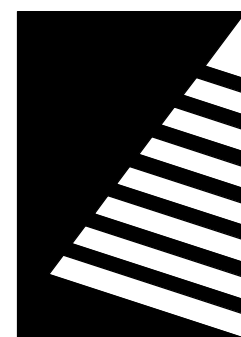
SCALE: NO SCALE



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

FACILITY #.: 8136803002

FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KMA

CHECKED BY: WRK

DESIGNED BY: TLA

SHEET TITLE:

SYSTEMS  
DEMOLITION PLAN -  
CORE

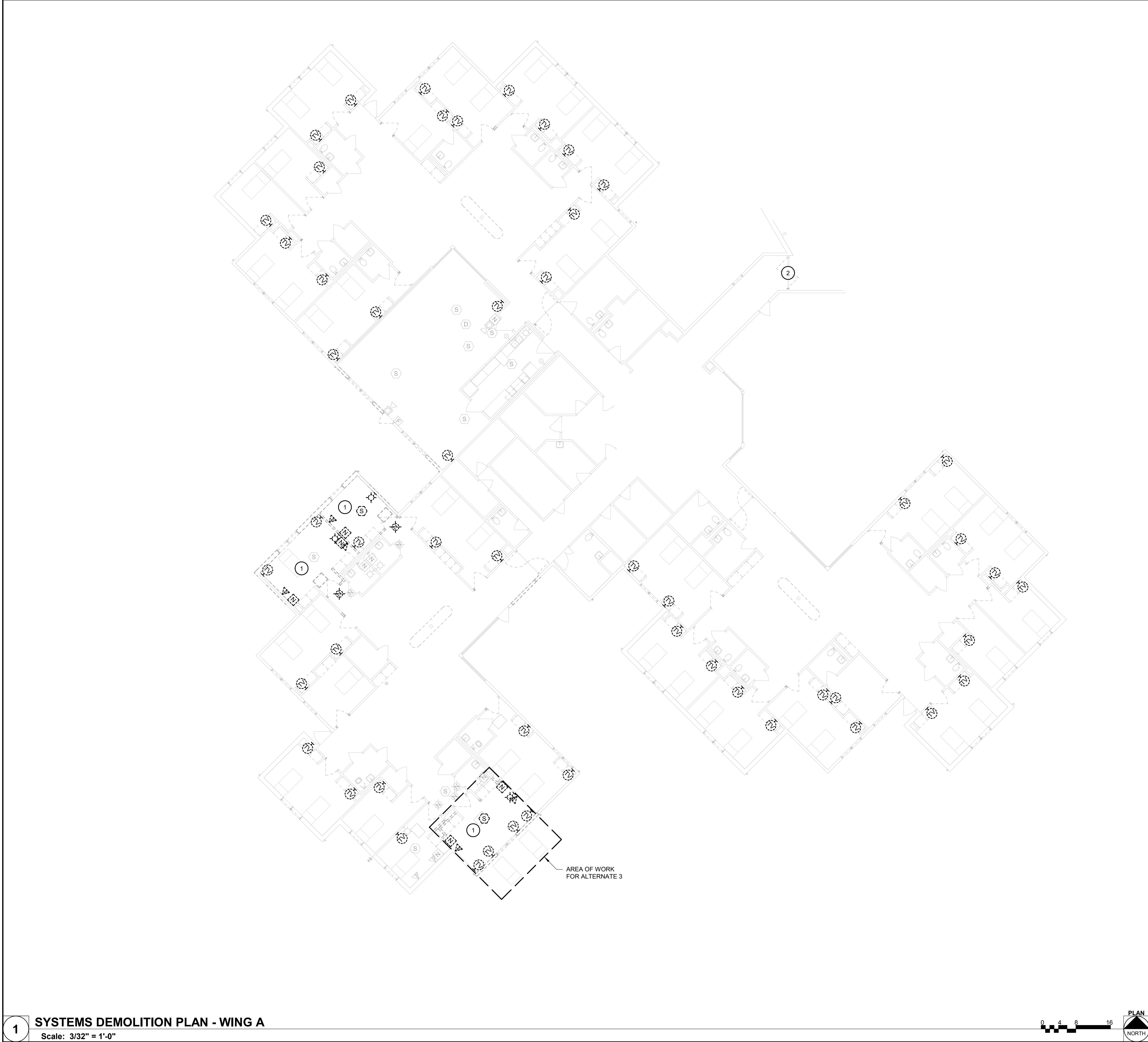
SHEET NUMBER:

E-109

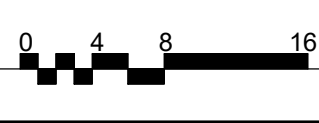
SHEET 171 of 197

ISSUE DATE: 08/15/2024

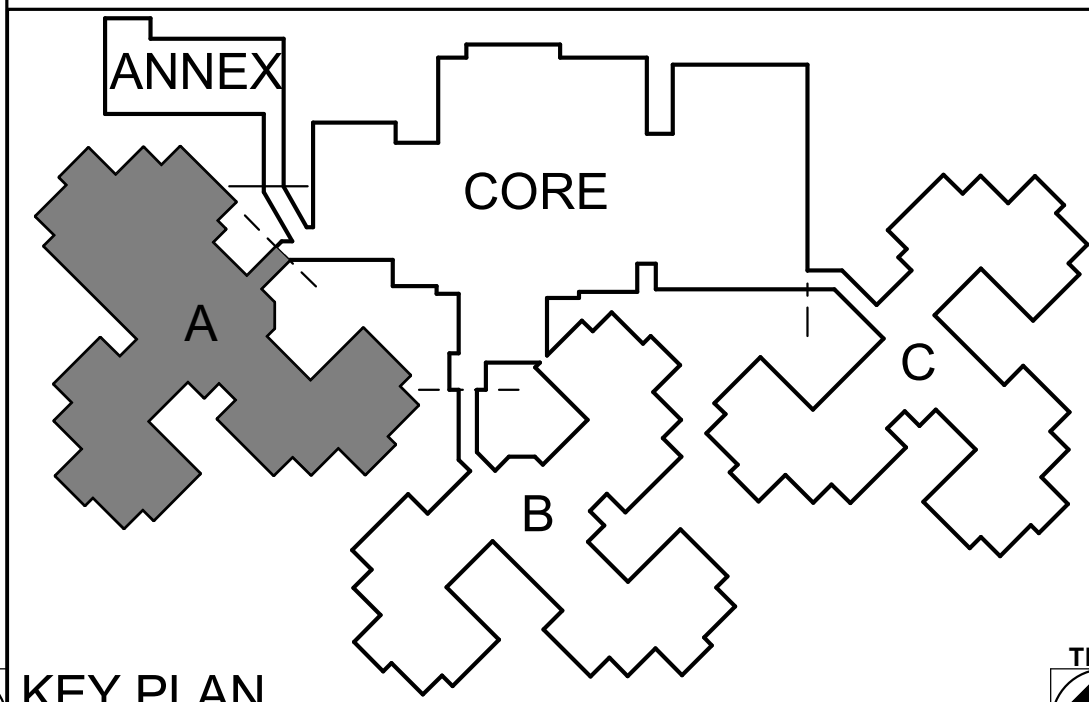




10/11/2024 8:50:48 AM



**KEY PLAN**  
SCALE: NO SCALE



**GENERAL NOTES**

- A. REMOVE TV CABLING & BOXES AS SHOWN. PROTECT CABLING FOR EXTENSION TO NEW TELEVISION LOCATIONS. AS SHOWN ON NEW WORK PLANS.
- B. DISCONNECT EXISTING WANDER MANAGEMENT SYSTEM. PROTECT CONDUIT AND WIRING/CABLING FOR FUTURE RECONNECTION IN SAME LOCATION.

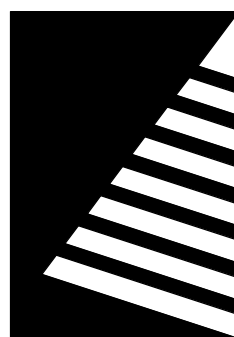
**KEYNOTES** #

- 1 REMOVE EXISTING NURSE CALL, TV, PHONE, AND FIRE ALARM DEVICES. PREPARE CONDUIT AND WIRE FOR EXTENSION INTO NEW ROOMS AS INDICATED ON NEW WORK PLANS.
- 2 DISCONNECT EXISTING WANDER MANAGEMENT SYSTEM. PROTECT CONDUIT AND WIRING/CABLING FOR FUTURE RECONNECTION IN SAME LOCATION.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
FACILITY #.:	8136803002
FAI#.:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:

**SYSTEMS  
DEMOLITION PLAN -  
WING A**

SHEET NUMBER:

**E-110**

SHEET 172 of 197  
ISSUE DATE: 08/15/2024

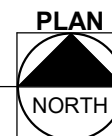
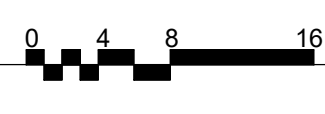
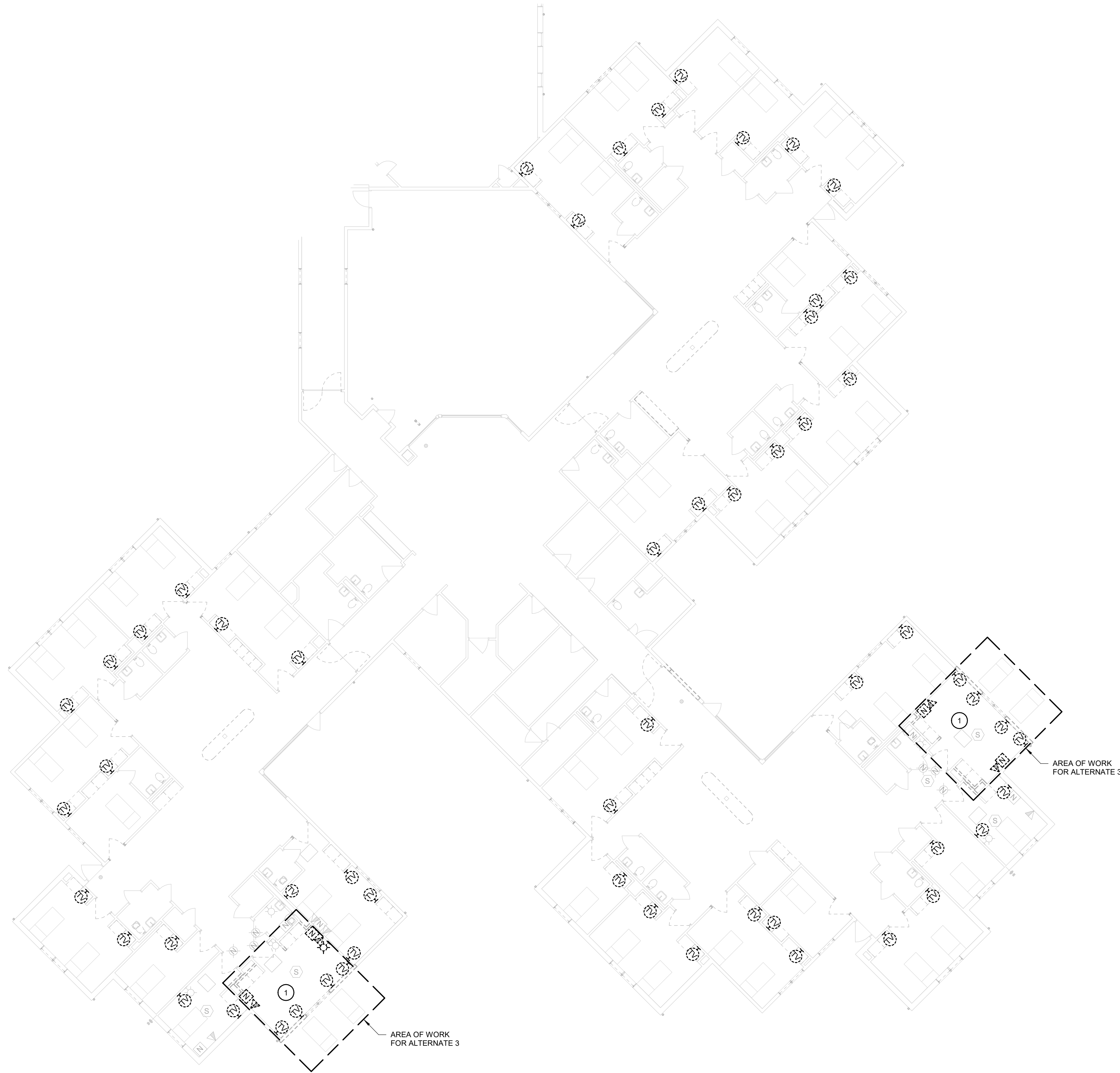


8/14/2024 4:27:19 PM

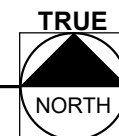
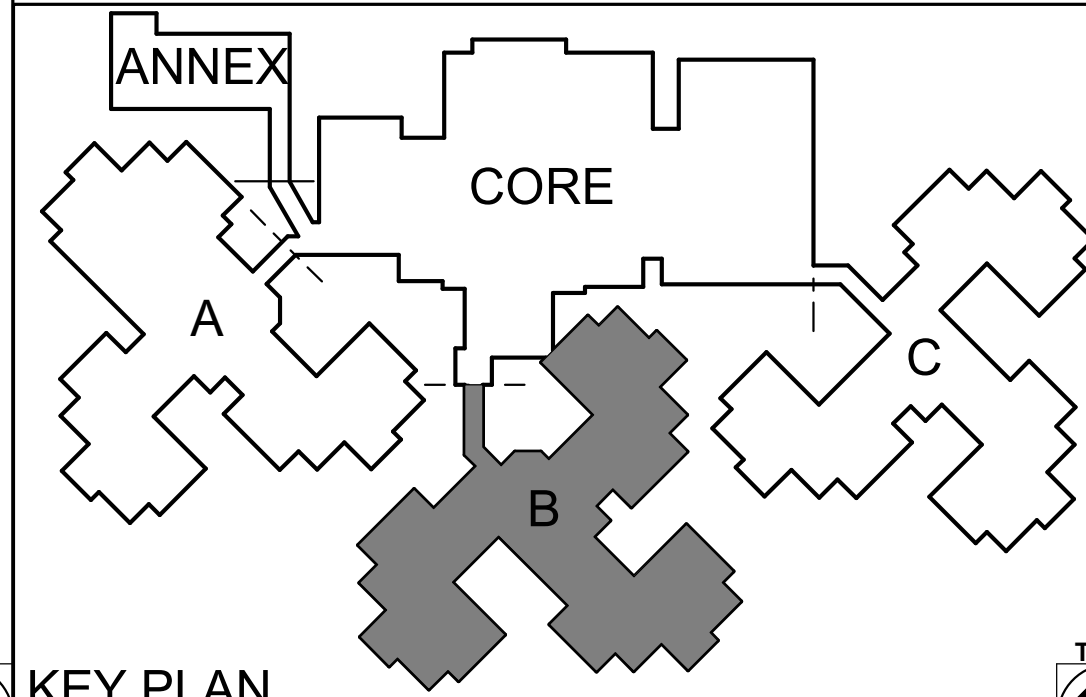
1

**SYSTEMS DEMOLITION PLAN - WING B**

Scale: 3/32" = 1'-0"



**KEY PLAN**  
SCALE: NO SCALE



**GENERAL NOTES**

A. REMOVE TV CABLING & BOXES AS SHOWN. PROTECT CABLING FOR EXTENSION TO NEW TELEVISION LOCATIONS, AS SHOWN ON NEW WORK PLANS.

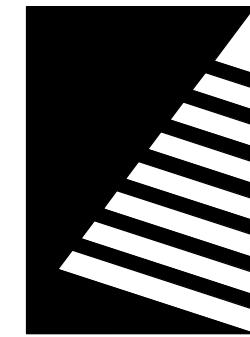
**KEYNOTES** #

1 REMOVE EXISTING NURSE CALL, TV, PHONE, AND FIRE ALARM DEVICES. PREPARE CONDUIT AND WIRE FOR EXTENSION INTO NEW ROOMS AS INDICATED ON NEW WORK PLANS.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:

**SYSTEMS  
DEMOLITION PLAN -  
WING B**

SHEET NUMBER:

**E-111**

SHEET 173 of 197  
ISSUE DATE: 08/15/2024

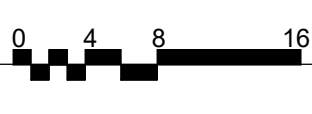
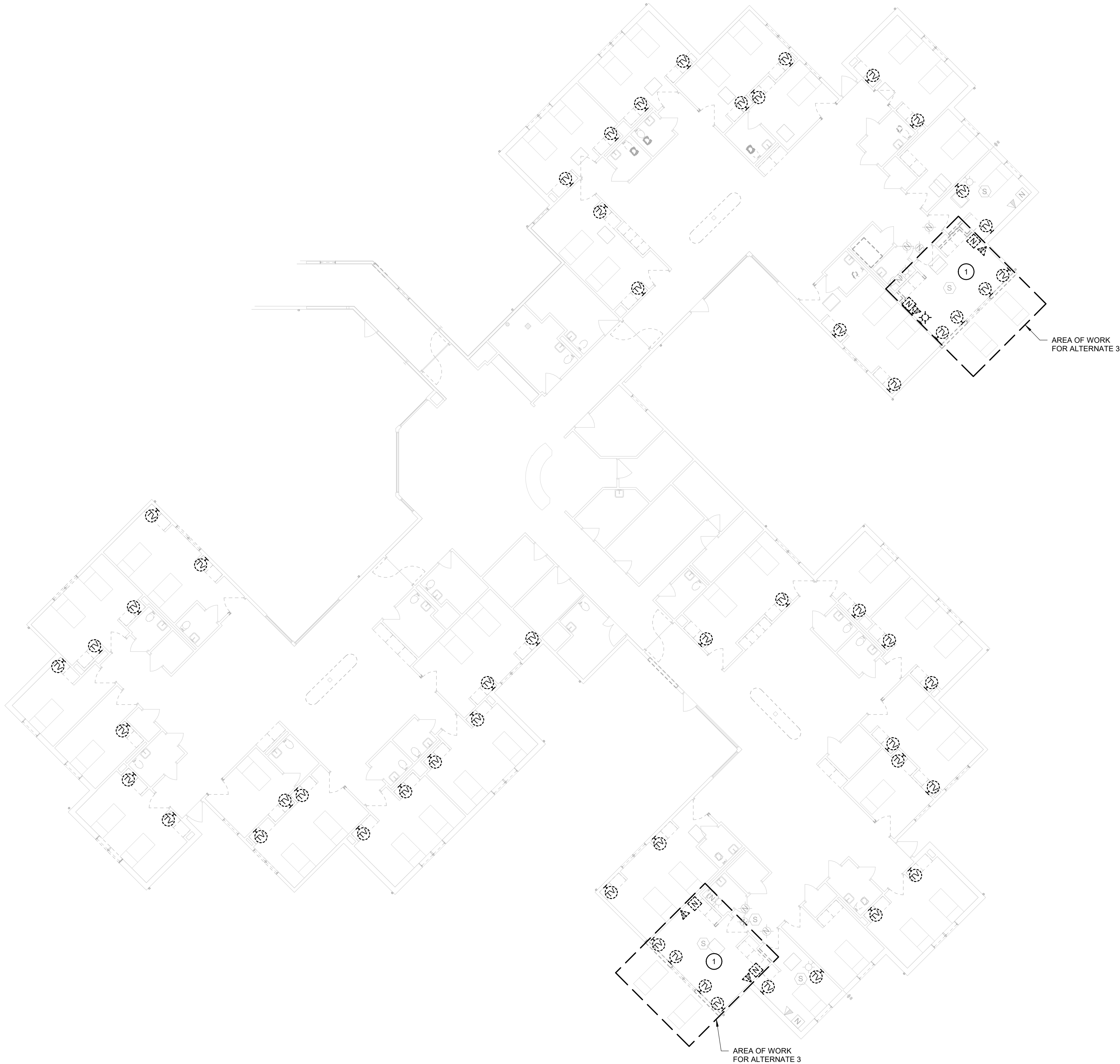


8/15/2024 4:22:22 PM

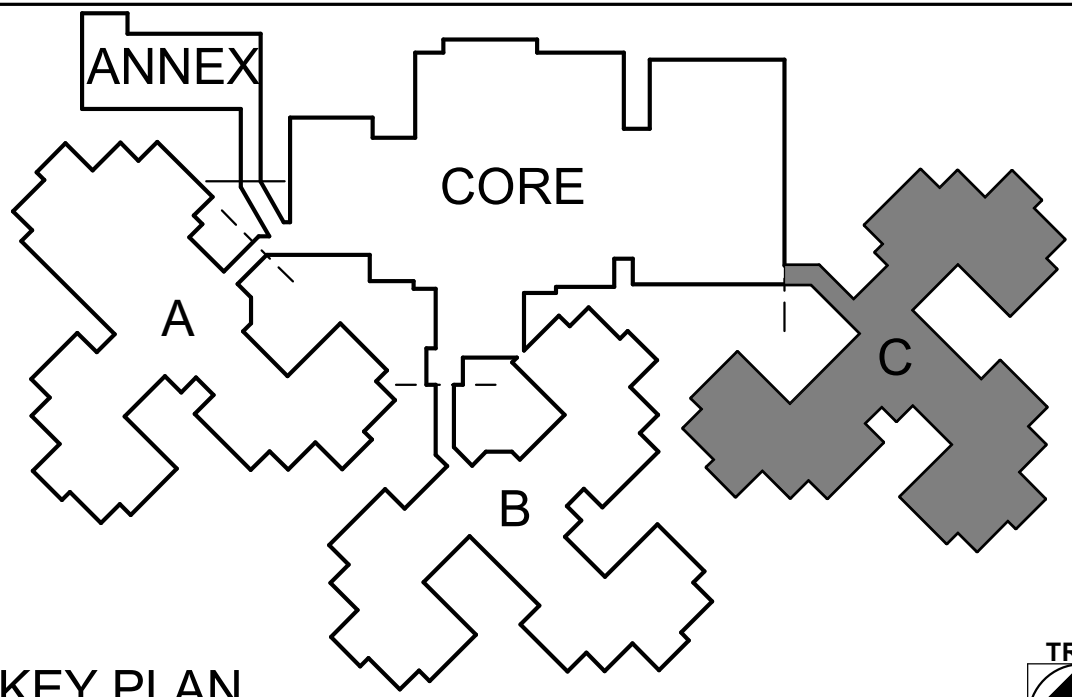
1

SYSTEMS DEMOLITION PLAN - WING C

Scale: 3/32" = 1'-0"



KEY PLAN  
SCALE: NO SCALE



GENERAL NOTES

A. REMOVE TV CABLING & BOXES AS SHOWN. PROTECT CABLING FOR EXTENSION TO NEW TELEVISION LOCATIONS, AS SHOWN ON NEW WORK PLANS.

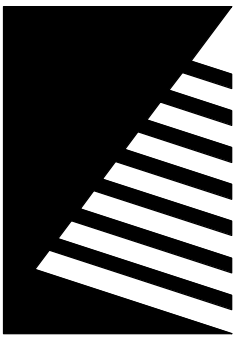
KEYNOTES #

1 REMOVE EXISTING NURSE CALL, TV, PHONE, AND FIRE ALARM DEVICES. PREPARE CONDUIT AND WIRE FOR EXTENSION INTO NEW ROOMS AS INDICATED ON NEW WORK PLANS.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:

SYSTEMS  
DEMOLITION PLAN -  
WING C

SHEET NUMBER:

E-112

SHEET 174 of 197  
ISSUE DATE: 08/15/2024

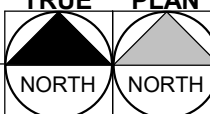
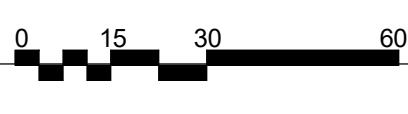
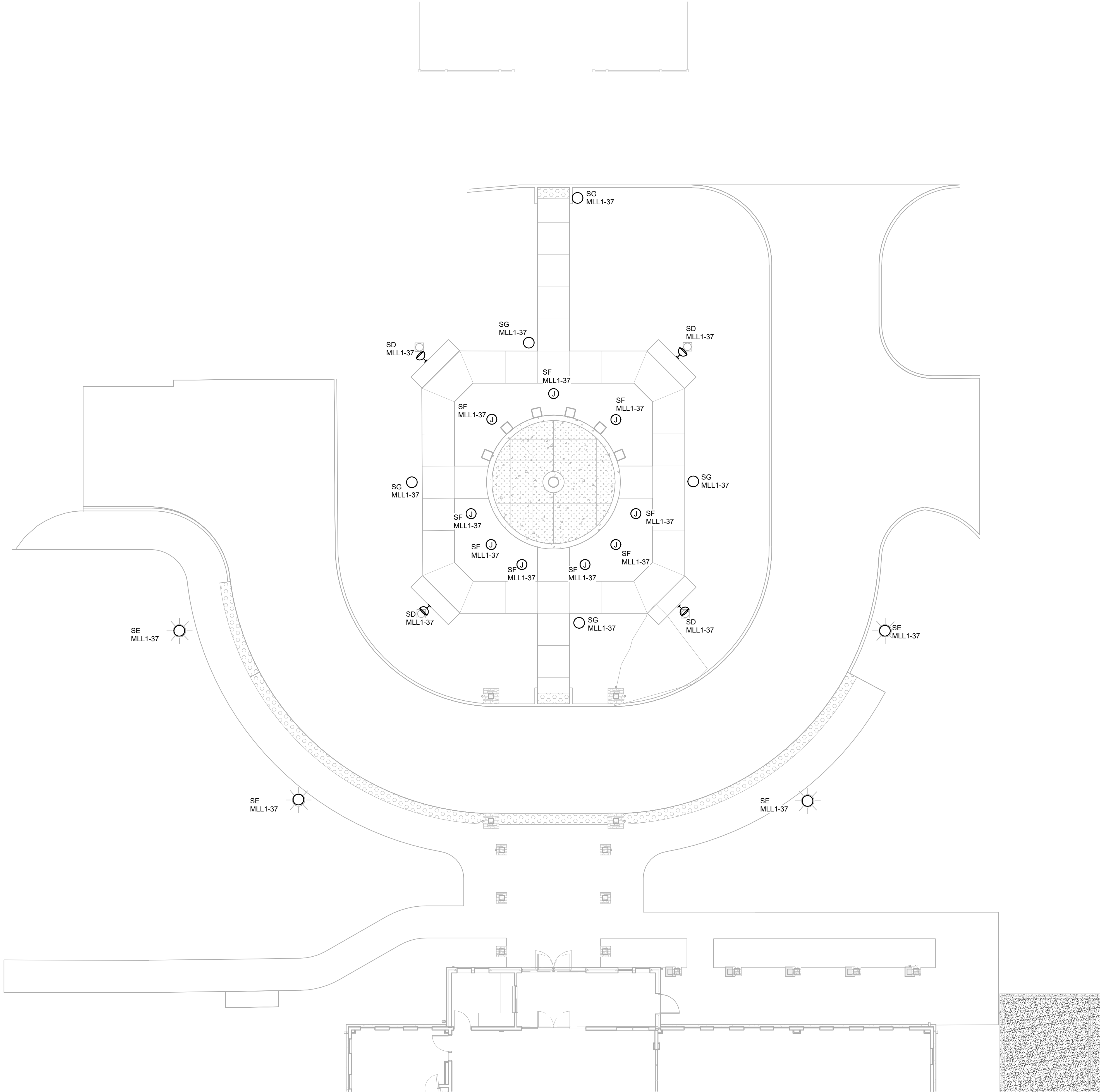


8/14/2024 4:27:23 PM

1

# ELECTRICAL SITE PLAN

Scale: 1" = 10'-0"



## GENERAL NOTES

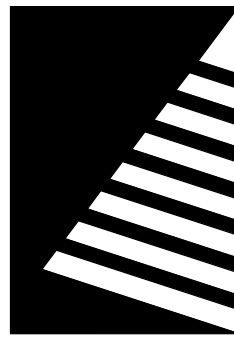
A. EXTERIOR LUMINAIRES SHALL UTILIZE EXISTING LIGHTING CONTROLS.

## KEYNOTES #

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

FACILITY #.: 8136803002

FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KMA

CHECKED BY: WRK

DESIGNED BY: TLA

SHEET TITLE:

**ELECTRICAL SITE  
PLAN**

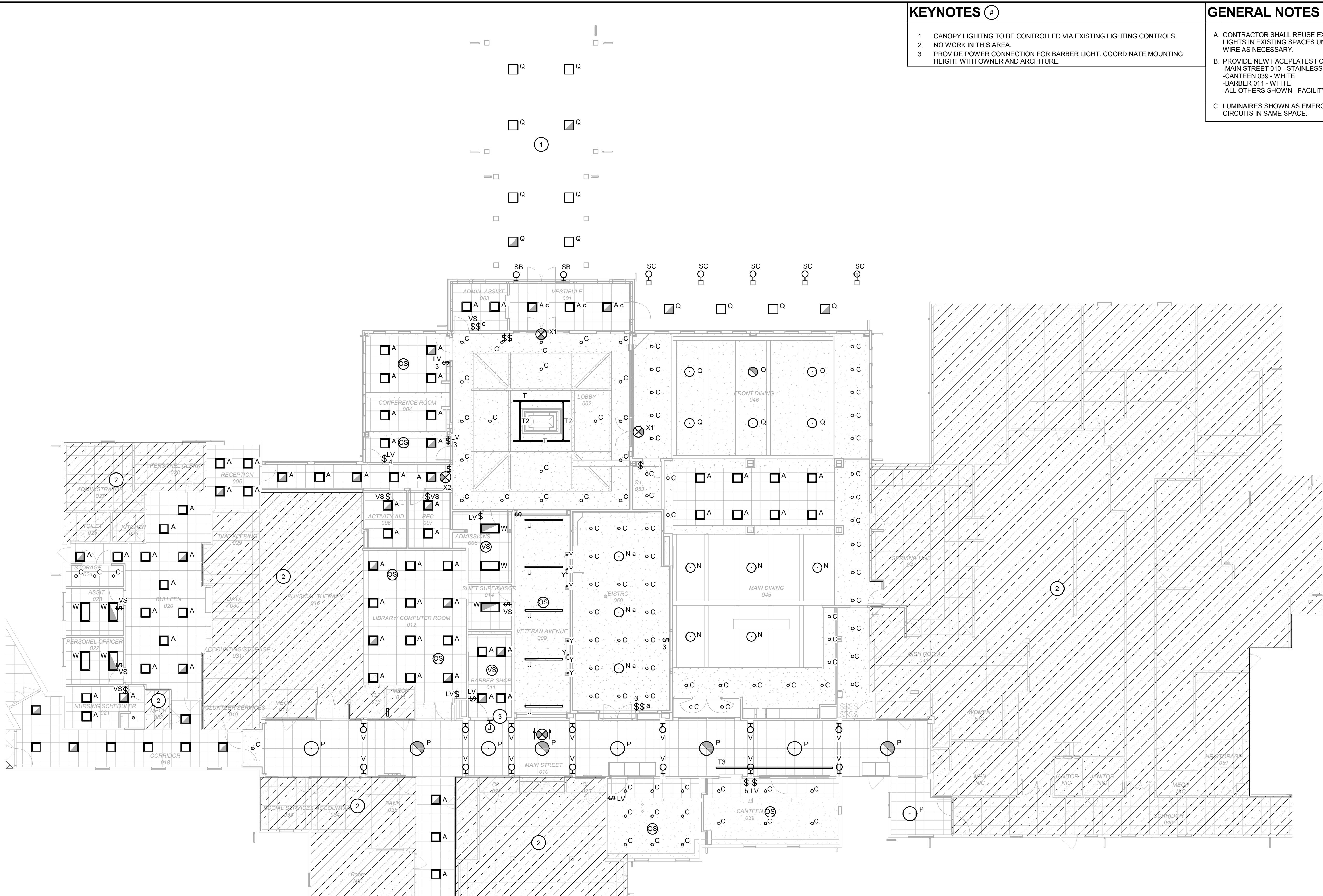
SHEET NUMBER:

**E-113**

SHEET 175 of 197

ISSUE DATE: 08/15/2024





KEYNOTES #

- 1 CANOPY LIGHTING TO BE CONTROLLED VIA EXISTING LIGHTING CONTROLS.
- 2 NO WORK IN THIS AREA.
- 3 PROVIDE POWER CONNECTION FOR BARBER LIGHT. COORDINATE MOUNTING HEIGHT WITH OWNER AND ARCHITURE.

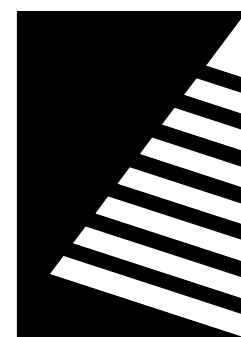
GENERAL NOTES

- A. CONTRACTOR SHALL REUSE EXISTING CIRCUITNG AND CONTROLS TO FEED NEW LIGHTS IN EXISTING SPACES UNLESS OTHERWISE NOTED. EXTEND CONDUIT AND WIRE AS NECESSARY.
- B. PROVIDE NEW FACEPLATES FOR OUTLETS, DEVICES, AND SWITCHES AS NOTED:
  - MAIN STREET 010 - STAINLESS
  - CANTEEN 039 - WHITE
  - BARBER 011 - WHITE
  - ALL OTHERS SHOWN - FACILITY STANDARD
- C. LUMINAIRES SHOWN AS EMERGENCY TO BE RECONNECTED TO EXISTING EMERGENCY CIRCUITS IN SAME SPACE.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:

**LIGHTING PLAN -  
CORE**

SHEET NUMBER:

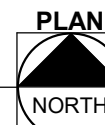
**E-114**

SHEET 176 of 197  
ISSUE DATE: 08/15/2024

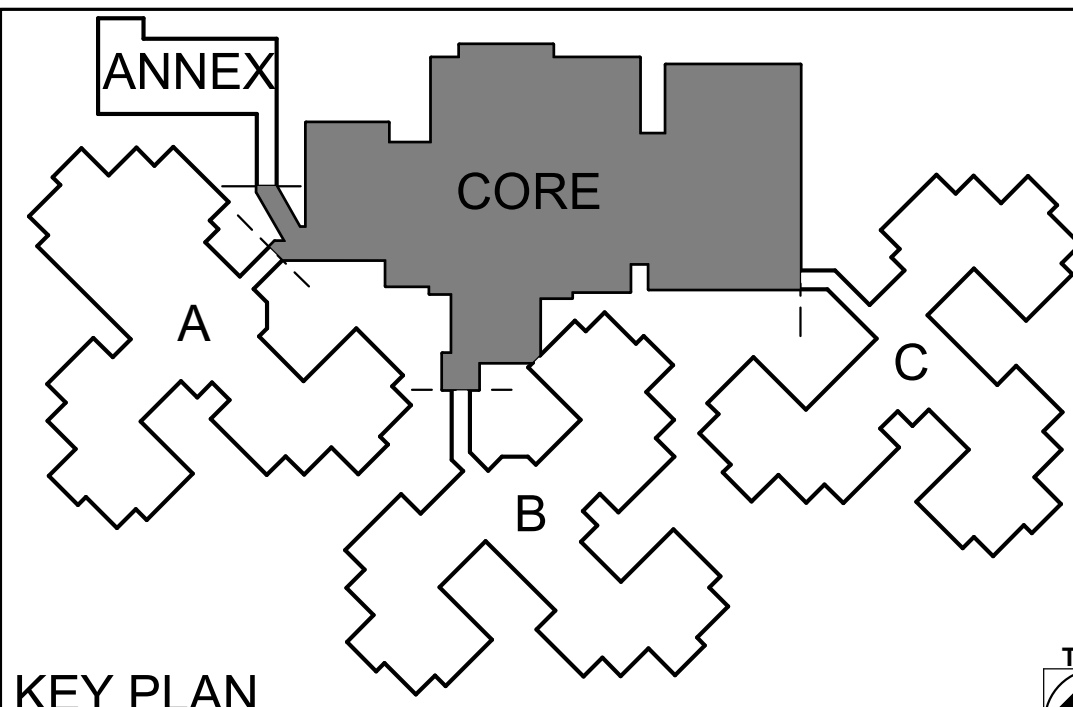
8/14/2024 4:27:25 PM

**1 LIGHTING PLAN - CORE**

Scale: 3/32" = 1'-0"



**KEY PLAN**  
SCALE: NO SCALE







1

Scale: 3/32" = 1'-0"

A. CONTRACTOR SHALL REUSE EXISTING CIRCUITING TO FEED NEW LIGHTS IN EXISTING SPACES. EXTEND CONDUIT AND WIRE AS NECESSARY.

B. LUMINAIRES SHOWN AS EMERGENCY TO BE RECONNECTED TO EXISTING EMERGENCY CIRCUITS IN SAME SPACE.

1 NO WORK IN THIS AREA.



Date: 8/15/2024



08/15/2024

MISSOURI VETERANS  
COMMISSION

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
FACILITY #.:	8136803002
FAI#.:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

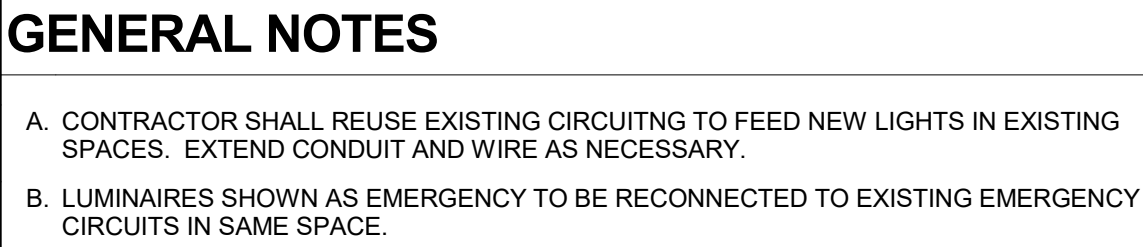
SHEET TITLE:  
**LIGHTING PLAN -  
WING A**

SHEET NUMBER:

**E-115**

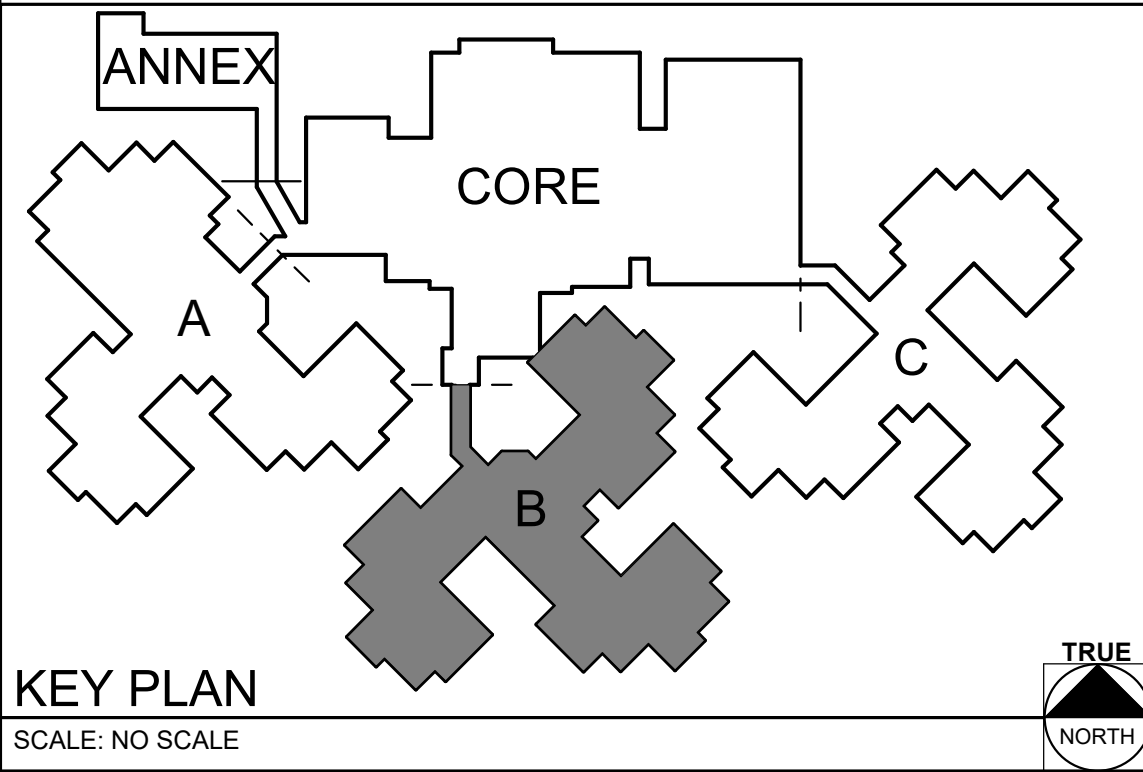
SHEET 177 of 197  
ISSUE DATE: 08/15/2024





## KEYNOTES

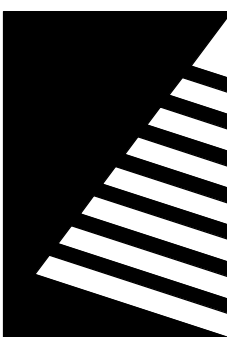
1 NO WORK IN THIS AREA



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



# Farnsworth

GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / [info@f-w.com](mailto:info@f-w.com)

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

## 100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

# UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

FACILITY #.: 8136803002

FAI#.: 29-043

#	DATE:	DESCRIPTION:
---	-------	--------------

DRAWN BY: KMA

CHECKED BY: WRK

DESIGNED BY: TLA

SHEET TITLE:

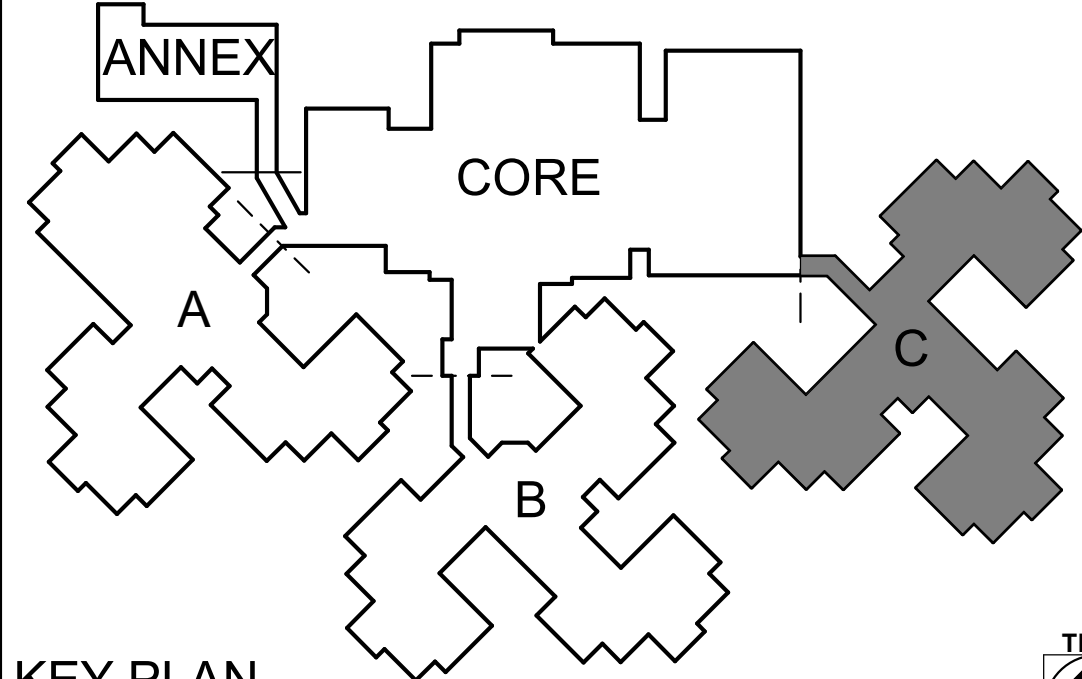
## LIGHTING PLAN - WING B

SHEET NUMBER:

# E-116

SHEET 178 of 197  
ISSUE DATE: 08/15/2024





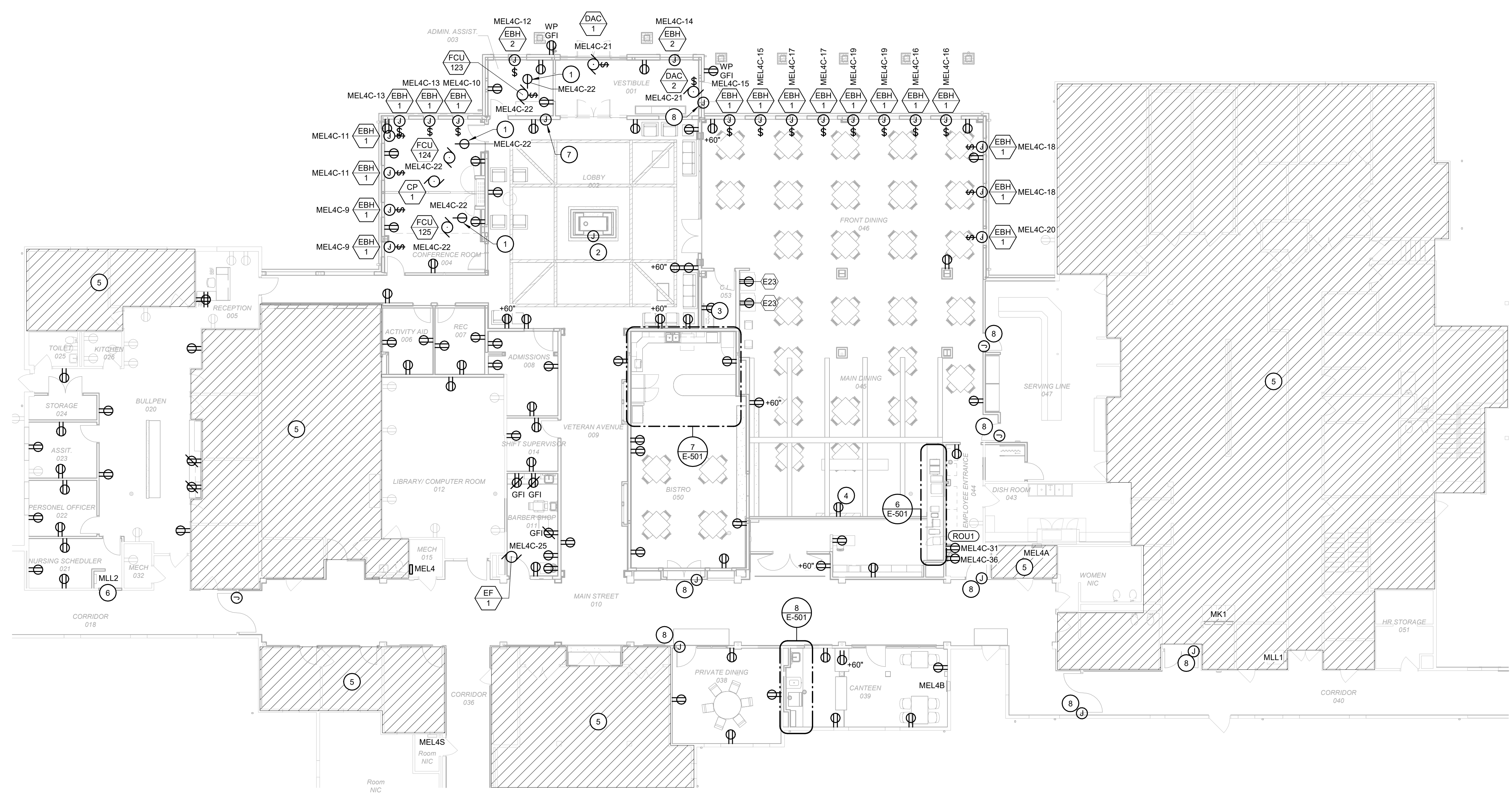


8/14/2024 4:27:36 PM

1

POWER PLAN - CORE

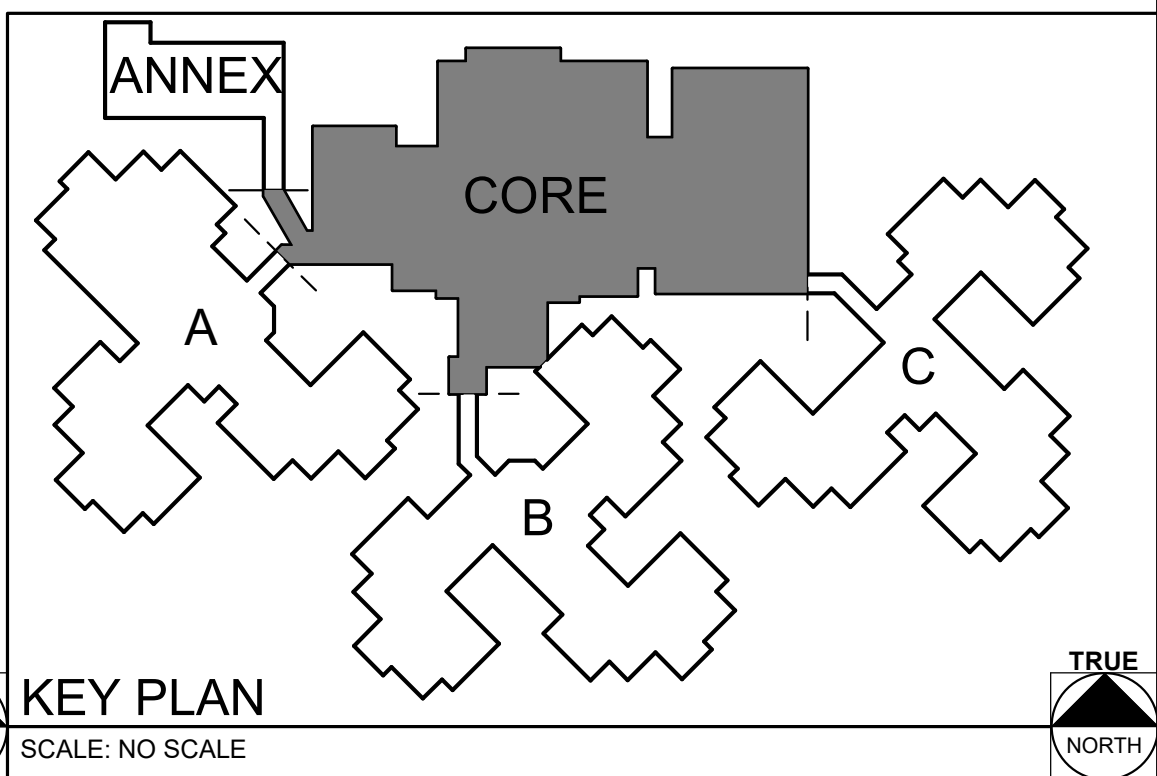
Scale: 3/32" = 1'-0"



- KEYNOTES #**
- 1 PROVIDE SINGLE 5-20R RECEPTACLE MOUNTED TO SIDE OF FCU TO POWER CONDENSATE PUMP.
  - 2 POWER CONNECTION FOR FIREPLACE IGNITOR.
  - 3 CONTACTOR FOR STOVE.
  - 4 PROVIDE POWER CONNECTION FOR EXISTING BINGO BOARD. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL TRADE AND OWNER.
  - 5 NO WORK IN THIS AREA.
  - 6 REINSTALL EXISTING PANEL IN NEW LOCATION. RECONNECT ALL EXISTING CIRCUITS. REVISE CIRCUIT BREAKER LOCATIONS AS REQUIRED AND UPDATE PANEL SCHEDULE.
  - 7 PROVIDE POWER FOR FIREPLACE CONTROLLER SWITCH.
  - 8 PROVIDE POWER FOR DOOR HARDWARE FROM NEAREST LIFE SAFETY ELECTRICAL PANEL. COORDINATE REQUIREMENTS WITH DOOR HARDWARE VENDOR.

**GENERAL NOTES**

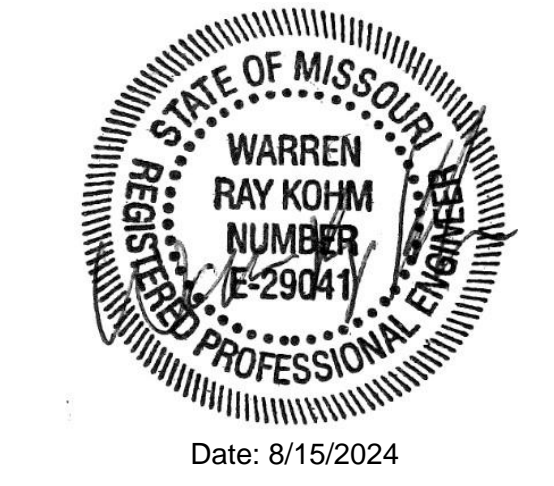
A. EXCEPT AS NOTED, REUSE EXISTING CIRCUITS TO FEED NEW RECEPTACLES.



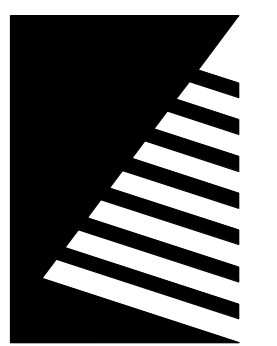
KEY PLAN

SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com  
Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

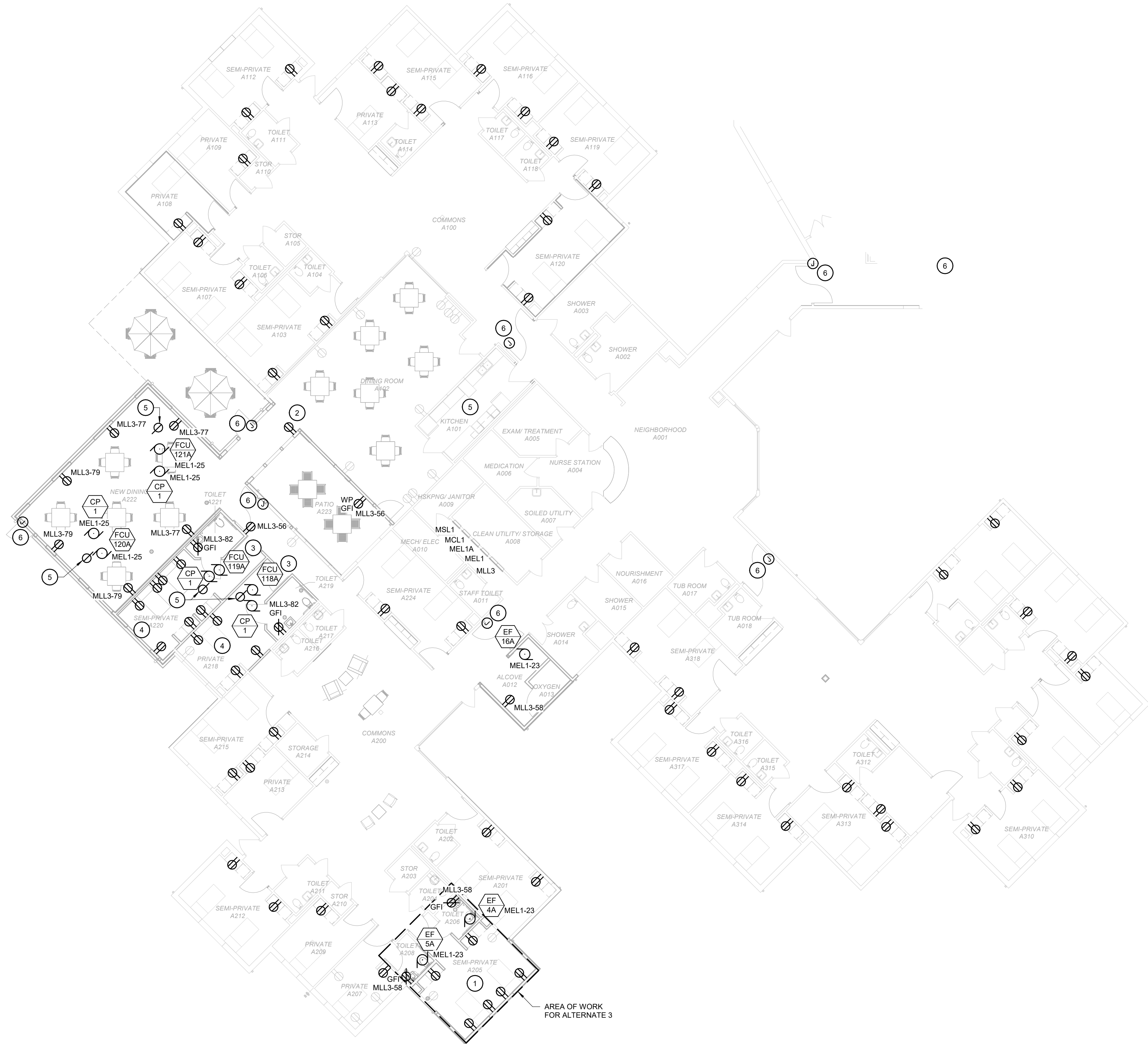
SHEET TITLE:  
POWER PLAN - CORE

SHEET NUMBER:

E-119

SHEET 180 of 197  
ISSUE DATE: 08/15/2024



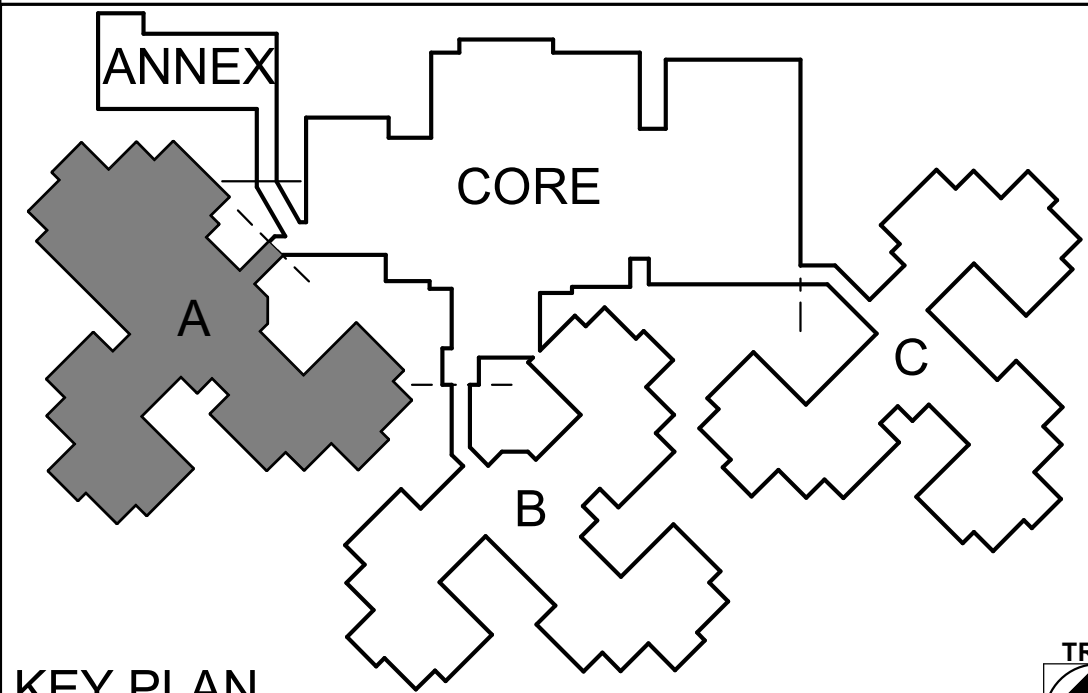


GENERAL NOTES

- A. PROVIDE COMBINATION COAXIAL/POWER/DATA RECESSED WALL BOX AT 5'-0" AFF FOR NEW TELEVISION LOCATIONS IN ALL PATIENT ROOMS AS SHOWN.  
BASIS OF DESIGN:  
LEGRAND TV1WTVSSW  
COORDINATE INSTALLATION WITH ARCHITECTURAL TRADE AND BLOCKING FOR TV MOUNT. EXTEND EXISTING TV POWER CIRCUIT TO NEW LOCATION AS REQUIRED.

KEYNOTES #

1. EXTEND EXISTING CIRCUITS FROM SEMI-PRIVATE A205 TO NEW OUTLETS.  
2. RELOCATED RECEPTACLE CIRCUIT, EXTEND EXISTING CONDUIT AND WIRE AS NECESSARY.  
3. EXTEND EXISTING CIRCUITS TO NEW FAN COIL UNITS.  
4. EXTEND EXISTING CIRCUITS FROM SEMI-PRIVATE A220 AND PRIVATE A218.  
5. RECONNECT EXISTING EQUIPMENT IN ORIGINAL LOCATION. COORDINATE REINSTALLATION WITH OTHER WORK IN THIS AREA.  
6. PROVIDE POWER FOR DOOR HARDWARE FROM NEAREST LIFE SAFETY ELECTRICAL PANEL. COORDINATE REQUIREMENTS WITH DOOR HARDWARE VENDOR.

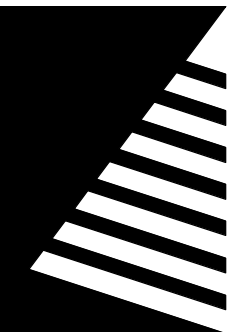


KEY PLAN  
SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:  
**POWER PLAN - WING  
A**

SHEET NUMBER:

**E-120**

SHEET 181 of 197  
ISSUE DATE: 08/15/2024







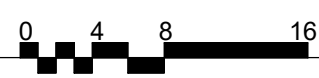
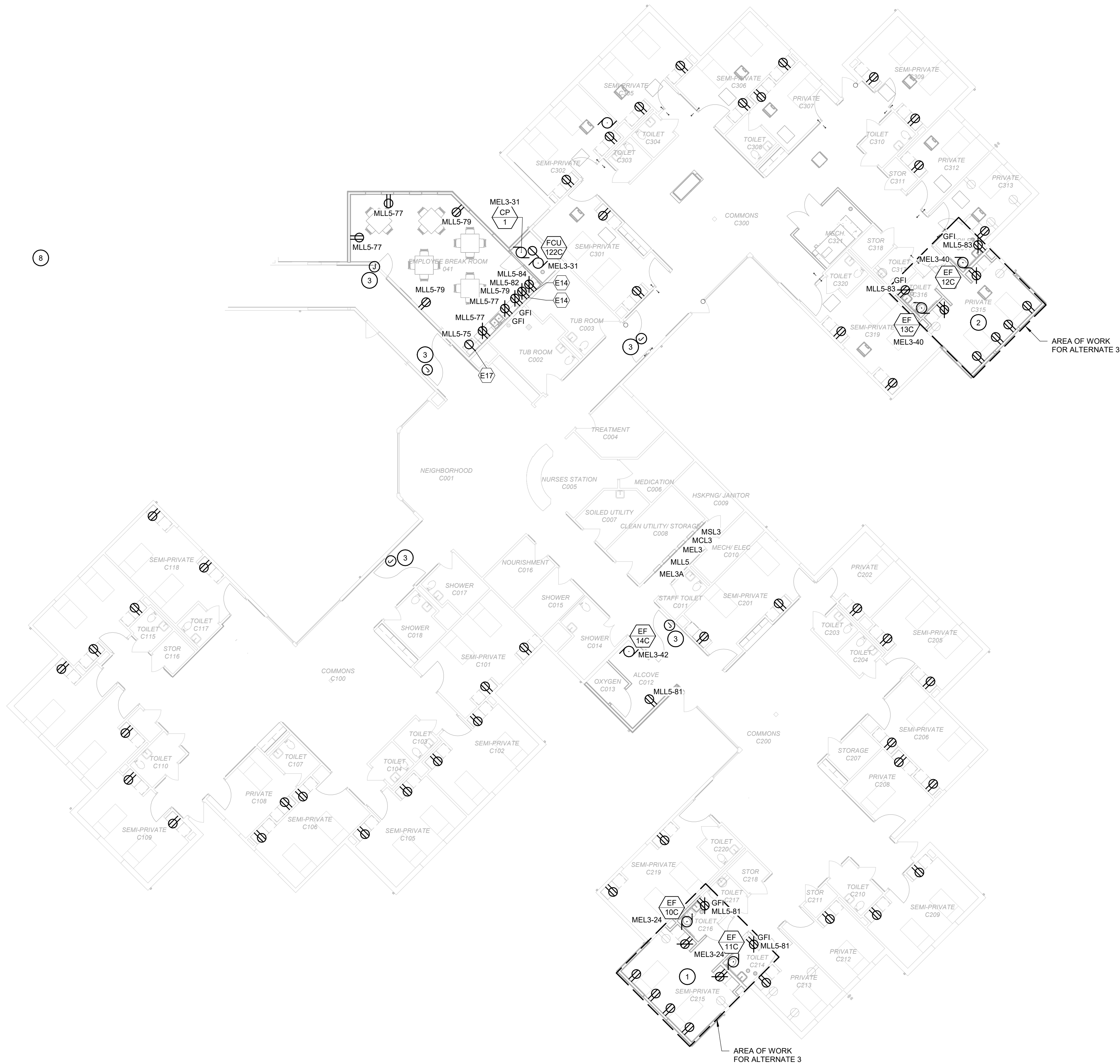


8/14/2024 4:27:52 PM

1

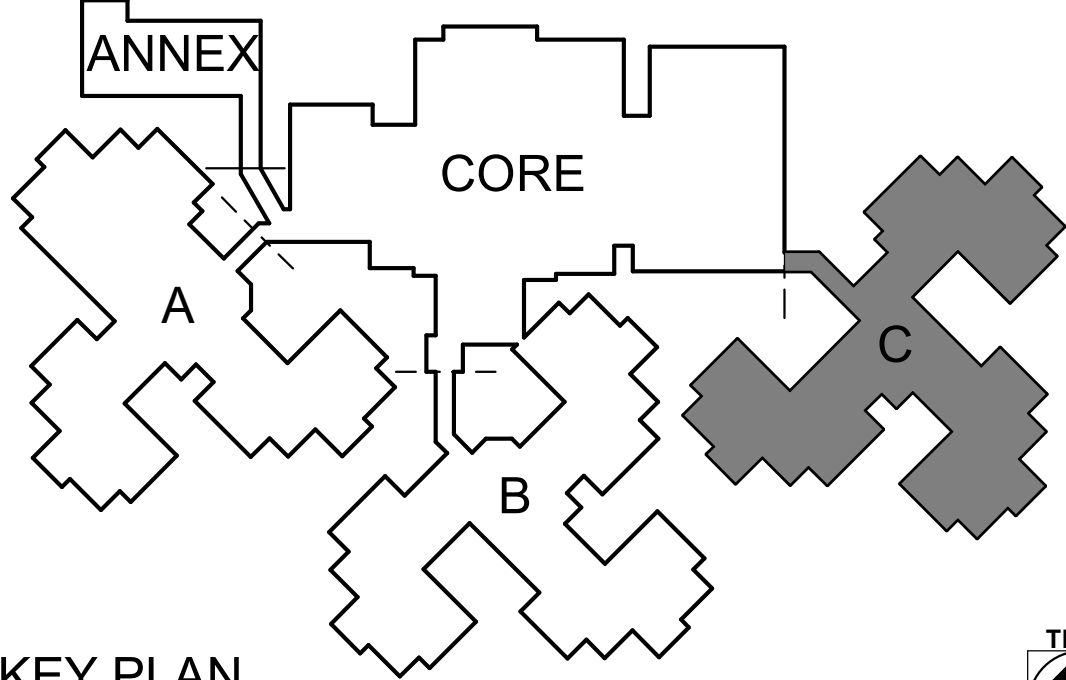
POWER PLAN - WING C

Scale: 3/32" = 1'-0"



KEY PLAN

SCALE: NO SCALE



GENERAL NOTES

- A. PROVIDE COMBINATION COAXIAL/POWER/DATA RECESSED WALL BOX AT 5'-0" AFF FOR NEW TELEVISION LOCATIONS IN ALL PATIENT ROOMS AS SHOWN.  
BASIS OF DESIGN:  
LEGRAND TV1WTVSSW.  
COORDINATE INSTALLATION WITH ARCHITECTURAL TRADE AND BLOCKING FOR TV MOUNT. EXTEND EXISTING TV POWER CIRCUIT TO NEW LOCATION AS REQUIRED.

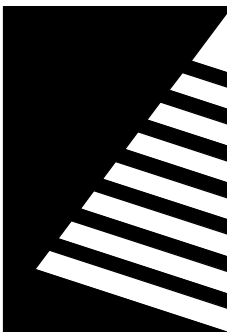
KEYNOTES #

- 1 EXTEND EXISTING CIRCUITS FROM SEMI-PRIVATE C215 TO NEW OUTLETS.  
2 EXTEND EXISTING CIRCUITS FROM SEMI-PRIVATE C315 TO NEW OUTLETS.  
3 PROVIDE POWER FOR DOOR HARDWARE FROM NEAREST LIFE SAFETY ELECTRICAL PANEL. COORDINATE REQUIREMENTS WITH DOOR HARDWARE VENDOR.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
FACILITY #.:	8136803002
FAI#.:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:  
**POWER PLAN - WING  
C**

SHEET NUMBER:

**E-122**

SHEET 183 of 197  
ISSUE DATE: 08/15/2024



A. SCC RATING OF ALL EQUIPMENT TO BE VERIFIED BY THE POWER SYSTEMS STUDY, SEE SHEET E-601 FOR MORE INFORMATION.

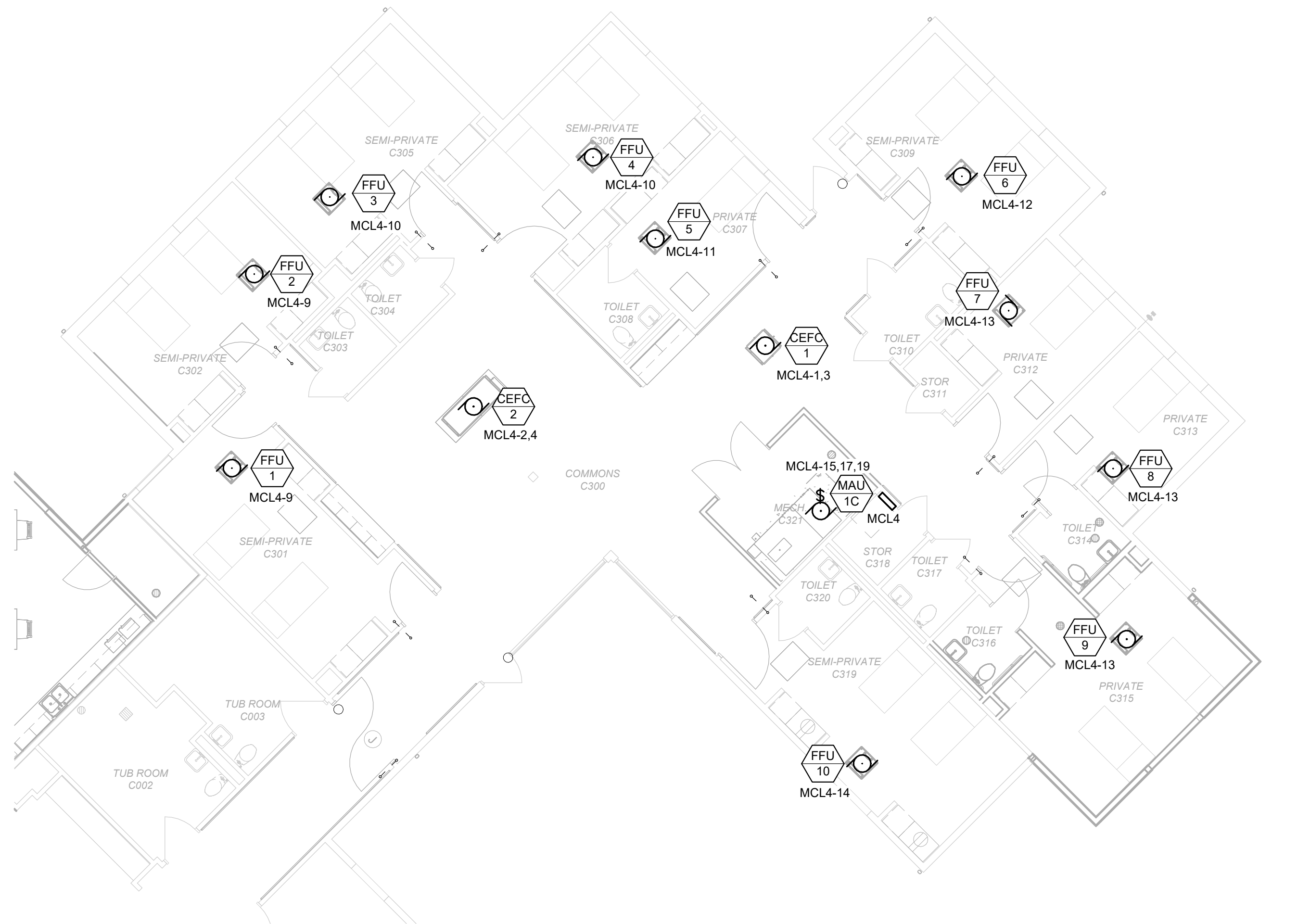
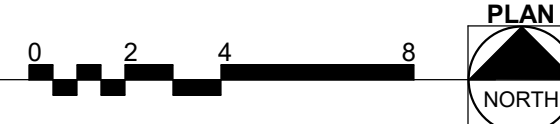
MARK	EQUIPMENT	DESCRIPTION		FURNISHED BY	INSTALLED BY	LOCATION	LOAD DATA			DISCONNECT AT EQUIP.		FURNISHED BY	INSTALLED BY	WIRE & CONDUIT	REMARKS
							LOAD	VOLTAGE	PHASE	DISC. TYPE	DISC. SIZE				
CEEF 1	EXHAUST FAN	MC	MC	SEMI-PRIVATE ROOM C301	1/15 HP	120	1	TT	20	EC	EC	2#12, 1#12G, 3/4" C			
CEEF 2	EXHAUST FAN	MC	MC	SEMI-PRIVATE ROOM C302	1/15 HP	120	1	TT	20	EC	EC	2#12, 1#12G, 3/4" C			
CEEF 3	EXHAUST FAN	MC	MC	TOILET C304	1/15 HP	120	1	TT	20	EC	EC	2#12, 1#12G, 3/4" C			
CEEF 4	EXHAUST FAN	MC	MC	SEMI-PRIVATE ROOM C305	1/15 HP	120	1	TT	20	EC	EC	2#12, 1#12G, 3/4" C			
CEFC 1	FAN COIL UNIT	MC	MC	COMMONS C300	132 W	208	1	TT	20	EC	EC	3#12, 1#12G, 3/4" C			
CEFC 2	FAN COIL UNIT	MC	MC	COMMONS C300	280 W	208	1	TT	20	EC	EC	3#12, 1#12G, 3/4" C			
FFU 1	EXHAUST FAN	MC	MC	SEMI-PRIVATE ROOM C301	2.6 FLA	120	1	TT	20	EC	EC	2#12, 1#12G, 3/4" C			
FFU 2	EXHAUST FAN	MC	MC	SEMI-PRIVATE ROOM C302	2.6 FLA	120	1	TT	20	EC	EC	2#12, 1#12G, 3/4" C			
FFU 3	EXHAUST FAN	MC	MC	SEMI-PRIVATE ROOM C305	2.6 FLA	120	1	TT	20	EC	EC	2#12, 1#12G, 3/4" C			
FFU 4	EXHAUST FAN	MC	MC	SEMI-PRIVATE ROOM C306	2.6 FLA	120	1	TT	20	EC	EC	2#12, 1#12G, 3/4" C			
FFU 5	EXHAUST FAN	MC	MC	PRIVATE ROOM C307	2.6 FLA	120	1	TT	20	EC	EC	2#12, 1#12G, 3/4" C			
FFU 6	EXHAUST FAN	MC	MC	SEMI-PRIVATE ROOM C309	2.6 FLA	120	1	TT	20	EC	EC	2#12, 1#12G, 3/4" C			
FFU 7	EXHAUST FAN	MC	MC	PRIVATE ROOM C312	2.6 FLA	120	1	TT	20	EC	EC	2#12, 1#12G, 3/4" C			
FFU 8	EXHAUST FAN	MC	MC	PRIVATE ROOM C313	2.6 FLA	120	1	TT	20	EC	EC	2#12, 1#12G, 3/4" C			
FFU 9	EXHAUST FAN	MC	MC	PRIVATE ROOM C315	2.6 FLA	120	1	TT	20	EC	EC	2#12, 1#12G, 3/4" C			
FFU 10	EXHAUST FAN	MC	MC	SEMI-PRIVATE ROOM C319	2.6 FLA	120	1	TT	20	EC	EC	2#12, 1#12G, 3/4" C			
MAU 1C	MAKEUP AIR UNIT	MC	MC	MECH C321	19.5 MCA	208	3	FS	30	EC	EC	3#12, 1#12G, 3/4" C			

## EQUIPMENT DATA NOTES:

REMARKS:

1. INSTALL DISCONNECT SWITCH ON THE SIDE OF THE EQUIPMENT HOUSING.
2. PROVIDE DISCONNECT LOCKABLE IN ACCORDANCE WITH NEC 110.25.

**Scale: 1/8" = 1'-0"**



**Scale: 1/8" = 1'-0"**



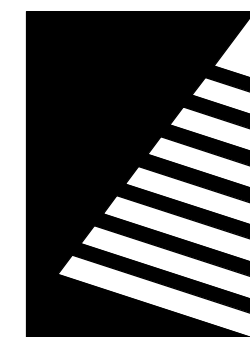
VOLTAGE:		208/120V		CONNECTED LOAD PER PHASE								ISOLATED GROUND BUS (Y/N):				N			
PHASE / WIRE:		3Ø / 4W										B				C			
RATED AMPERAGE:		200 A		A				B				C				MOUNTING:		SURFACE	
MAIN:		200 A MCB		5434 VA				5122 VA				2963 VA				MCB GROUND FAULT PROTECTION (Y/N):		N	
SCC RATING (SYM):		SEE ONE-LINE		48 A				45 A				25 A				MCB SHUNT TRIP (Y/N):		N	
																MCB 100% RATED (Y/N):		N	
CKT	IDENTIFICATION	TYPE (")	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (")	IDENTIFICATION	CKT				
1	CEFC 1		20 A	2	1080	1080					2	20 A		CEFC 2	2				
3			20 A	1			1080	1080				20 A		CEFC 2	4				
5	CEEF 1		20 A	1					156	156	1	20 A		CEEF 2	6				
7	CEEF 3		20 A	1	156	156					1	20 A		CEEF 4	8				
9	FFU 1 & FFU 2		20 A	1			312	312			1	20 A		FFU 3 & FFU 4	10				
11	FFU 5		20 A	1					156	156	1	20 A		FFU 6	12				
13	FFU 8 & FFU 9		20 A	1	468	156					1	20 A		FFU 10	14				
15							2339	0			1	20 A		SPARE	16				
17	MAU 1C		25 A	3					2339	0	1	20 A		SPARE	18				
19					2339	0					1	20 A		SPARE	20				
21	SPARE		20 A	1			0	0			1	20 A		SPARE	22				
23	SPARE		20 A	1					0	0	1	20 A		SPARE	24				
25	SPARE		20 A	1	0	0					1	20 A		SPARE	26				
27	SPARE		20 A	1			0	0			1	20 A		SPARE	28				
29	SPARE		20 A	1					0	0	1	20 A		SPARE	30				
31	SPACE		--	1	--	--					1	--		SPACE	32				
33	SPACE		--	1			--	--			1	--		SPACE	34				
35	SPACE		--	1					--	--	1	--		SPACE	36				
37	SPACE		--	1	--	--					1	--		SPACE	38				
39	SPACE		--	1			--	--			1	--		SPACE	40				
41	SPACE		--	1					--	--	1	--		SPACE	42				
43	SPACE		--	1	--	--					1	--		SPACE	44				
45	SPACE		--	1			--	--			1	--		SPACE	46				
47	SPACE		--	1					--	--	1	--		SPACE	48				
49	SPACE		--	1	--	--					1	--		SPACE	50				
51	SPACE		--	1			--	--			1	--		SPACE	52				
53	SPACE		--	1					--	--	1	--		SPACE	54				
55	SPACE		--	1	--	--					1	--		SPACE	56				
57	SPACE		--	1			--	--			1	--		SPACE	58				
59	SPACE		--	1					--	--	1	--		SPACE	60				
61	SPACE		--	1	--	--					1	--		SPACE	62				
63	SPACE		--	1			--	--			1	--		SPACE	64				
65	SPACE		--	1					--	--	1	--		SPACE	66				

NOTES:

1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED

A circular professional engineer seal for the State of Missouri. The outer ring contains the text "STATE OF MISSOURI" at the top and "REGISTERED PROFESSIONAL ENGINEER" at the bottom, separated by dots. The center of the seal contains the name "WARREN RAY KOHM" and the license number "NUMBER E-29041".

Date: 8/15/2024



20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

FACILITY #.: 8136803002

FAI#.: 29-043

#	DATE:	DESCRIPTION:
---	-------	--------------

DRAWN BY: KMA

CHECKED BY: WRK

DESIGNED BY: TLA

SHEET TITLE:

# POWER PLAN - ALTERNATE 1 INFECTIOUS DISEASE

SHEET NUMBER:

# E-123

SHEET 184 of 197

ISSUE DATE: 08/15/2024



KEYNOTES #

1    EXTEND EXISTING LIGHTNING PROTECTION AS INDICATED. PROVIDE NEW AIR TERMINALS IN LOCATIONS SHOWN.

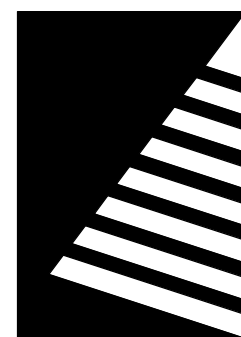
GENERAL NOTES

A. NOT USED

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #: U1805-01

SITE #: 6803

FACILITY #: 8136803002

FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KMA

CHECKED BY: WRK

DESIGNED BY: TLA

SHEET TITLE:

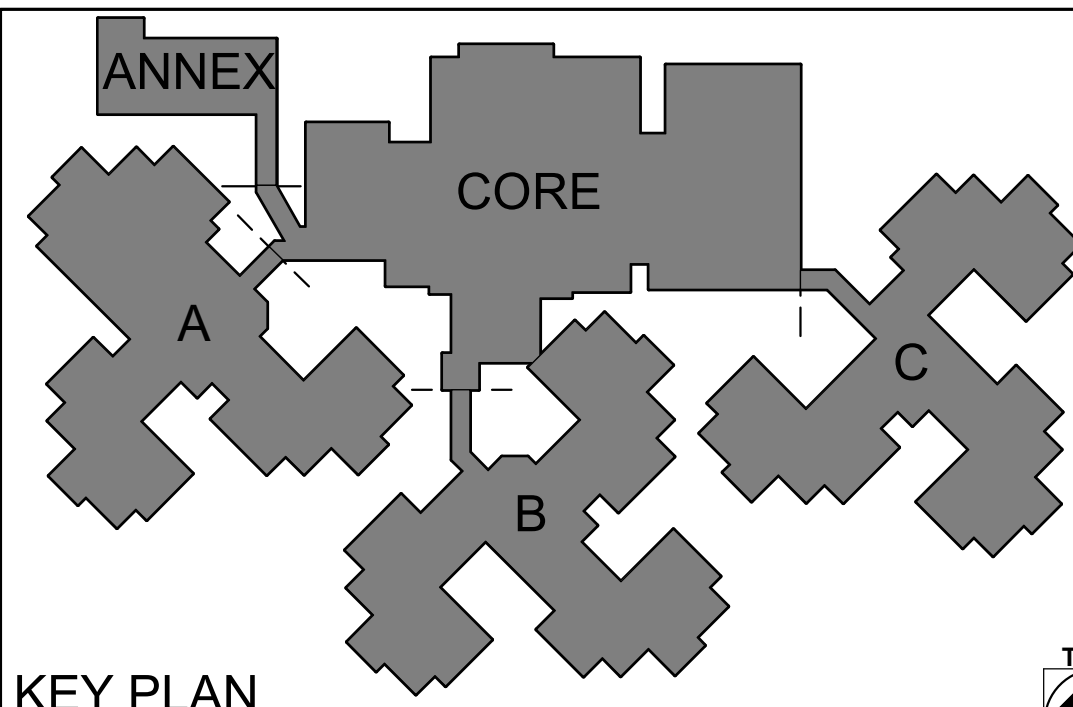
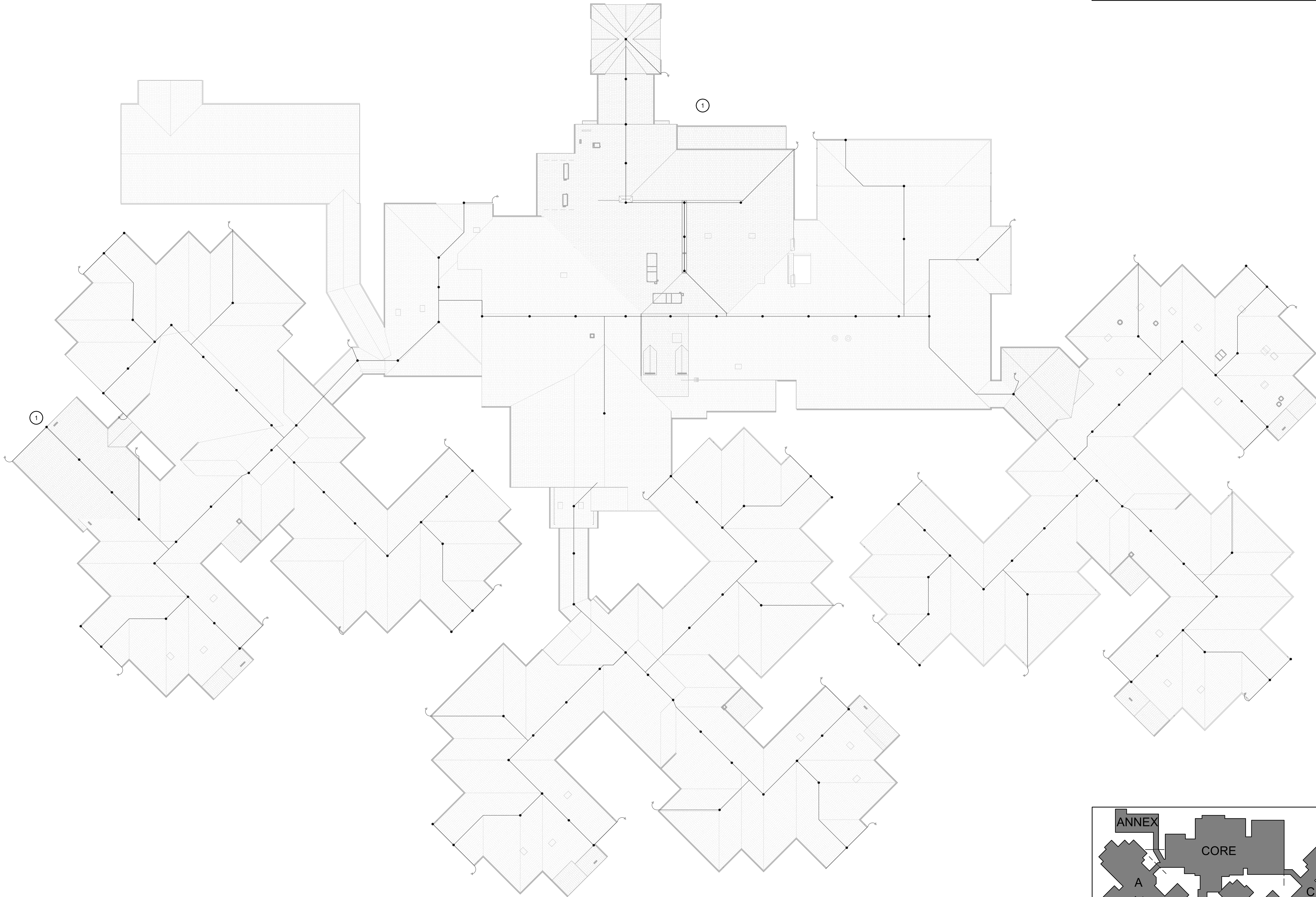
**ELECTRICAL ROOF  
PLAN**

SHEET NUMBER:

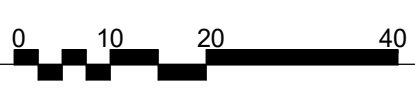
**E-124**

SHEET 185 of 197

ISSUE DATE: 08/15/2024



KEY PLAN  
SCALE: NO SCALE



8/14/2024 4:27:59 PM

**1 ROOF ELECTRICAL PLAN**  
Scale: 1" = 20'-0"

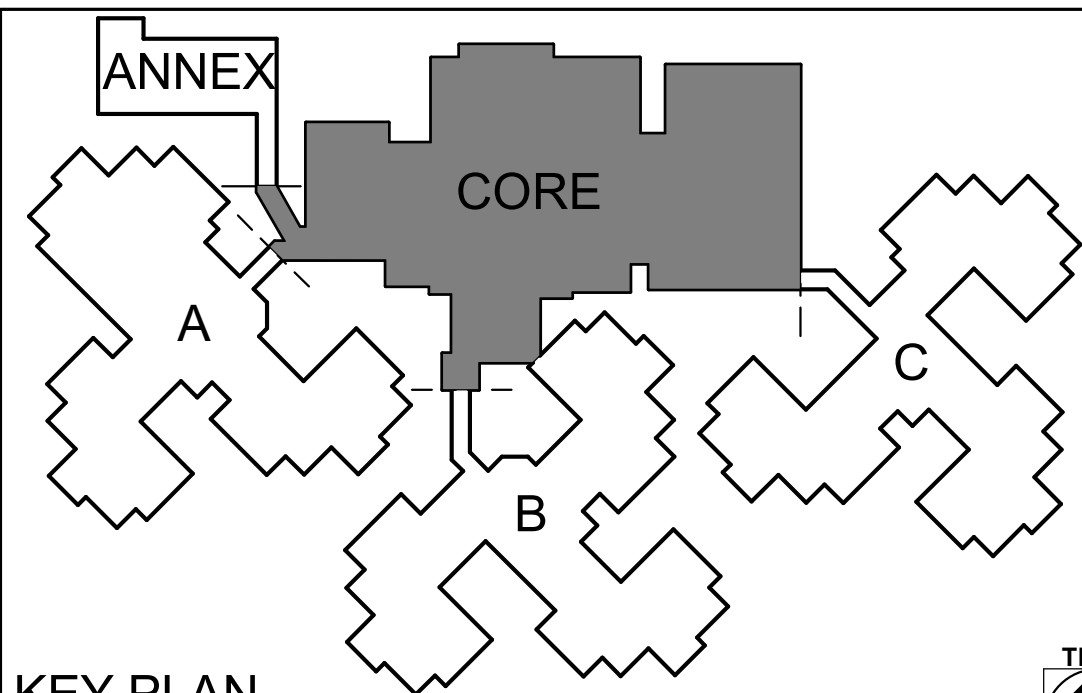
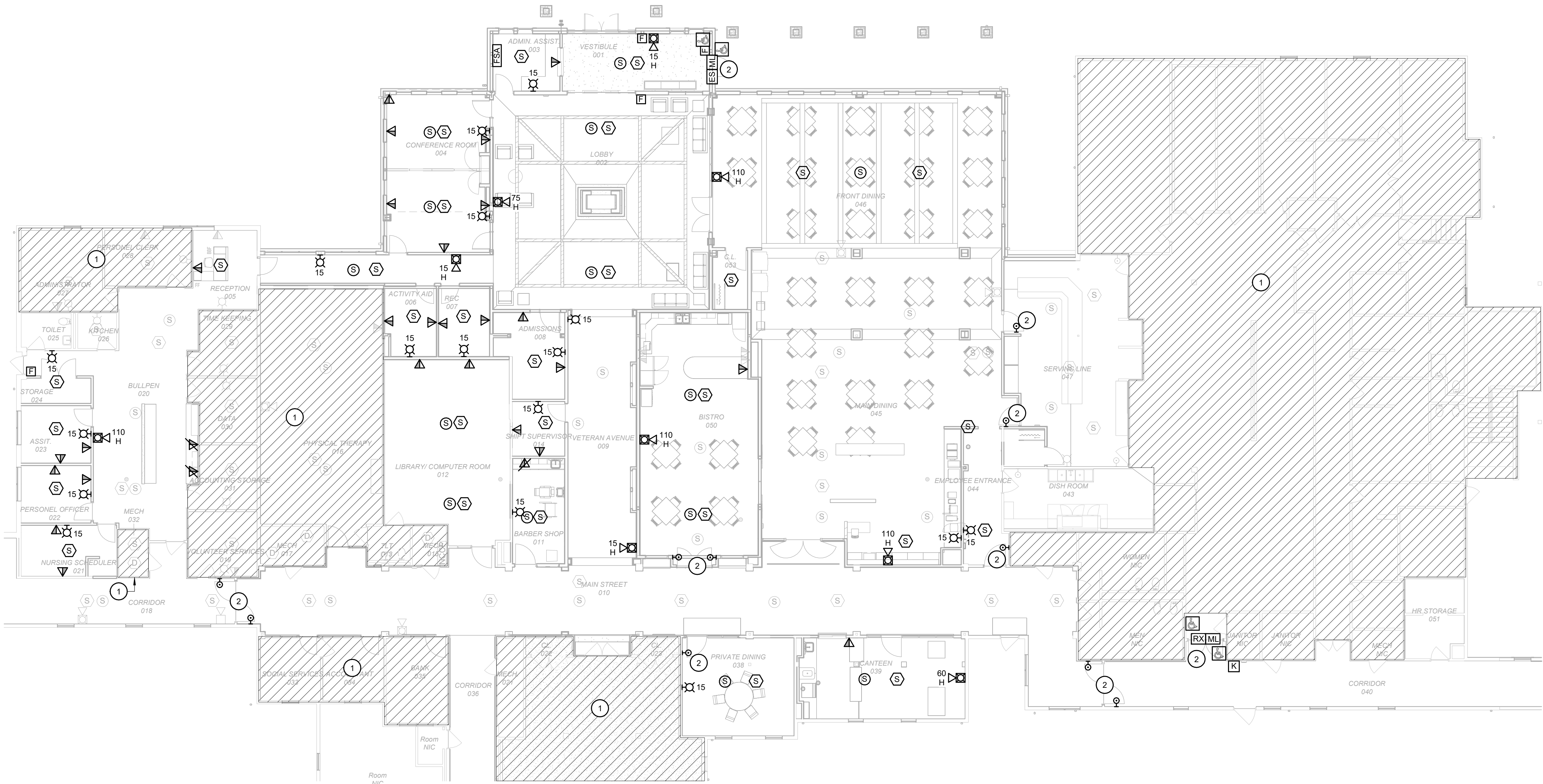


KEYNOTES #

- 1 NO WORK IN THIS AREA.  
2 PROVIDE MONITORING OF AND CONNECTION TO FIRE ALARM SYSTEM AS REQUIRED.

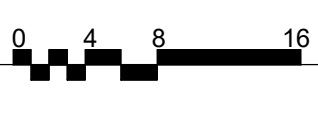
GENERAL NOTES

A. FOR ANY NEW DEVICES REQUIRED, CONTRACTOR SHALL MATCH EXISTING FIRE ALARM AND PA DEVICES.



09/01/2024 8:05:08 AM

1 SYSTEMS PLAN - CORE  
Scale: 3/32" = 1'-0"



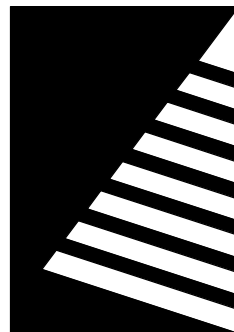
KEY PLAN  
SCALE: NO SCALE



STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #: U1805-01  
SITE #: 6803  
FACILITY #: 8136803002  
FAI#: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:

SYSTEMS PLAN -  
CORE

SHEET NUMBER:

E-125

SHEET 186 of 197  
ISSUE DATE: 08/15/2024





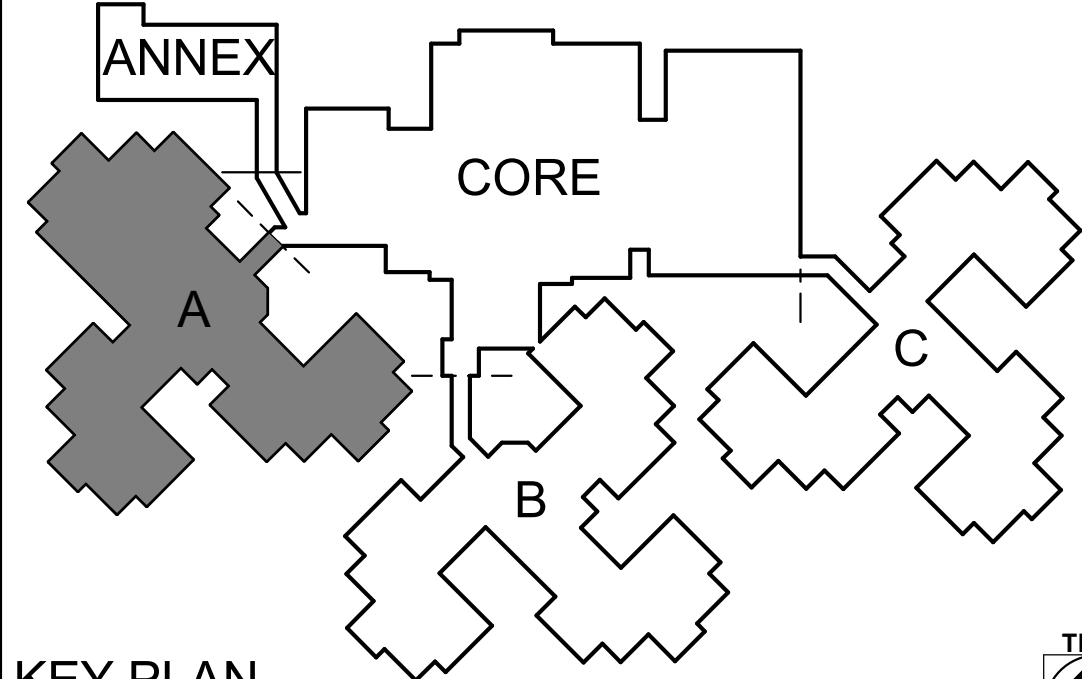
AREA OF WORK  
FOR ALTERNATE 3

## GENERAL NOTES

A. PROVIDE COMBINATION BACKBOX FOR TV IN ALL PATIENTS ROOMS AS NOTED ON SHEET E-120.

## KEYNOTES #

- 1 RELOCATE NURSE CALL AND FIRE ALARM DEVICES. PROVIDE NEW DEVICES FOR PHONE AND TV TO MATCH EXISTING. EXTEND TV CABLING. PROVIDE NEW CABLING FROM SOURCE TO PHONE, NURSE CALL, AND FIRE ALARM.
- 2 DEVICES IN THIS SPACE SHALL BE OUTDOOR RATED.
- 3 BOTH DOME LIGHTS INDICATED SHALL ILLUMINATE FOR DINING A222.
- 4 PROVIDE MONITORING OF AND CONNECTION TO FIRE ALARM SYSTEM AS REQUIRED.
- 5 REINSTALL EXISTING WANDER MANAGEMENT SYSTEM IN SAME LOCATION. COORDINATE WITH ARCHITECT FOR FINISH WORK TO BE COMPLETED FIRST. VERIFY ALL CONNECTIONS ARE MADE TO PROVIDE A COMPLETE AND FULLY FUNCTIONING SYSTEM.



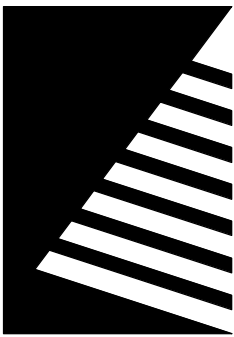
## KEY PLAN

SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



**Farnsworth**  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

**100% BID SET**

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

**UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME**

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01

SITE #.: 6803

FACILITY #.: 8136803002

FAI#: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:

**SYSTEMS PLAN -  
WING A**

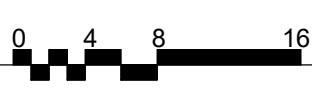
SHEET NUMBER:

**E-126**

SHEET 187 of 197  
ISSUE DATE: 08/15/2024

## SYSTEMS PLAN - WING A

Scale: 3/32" = 1'-0"



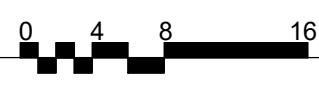
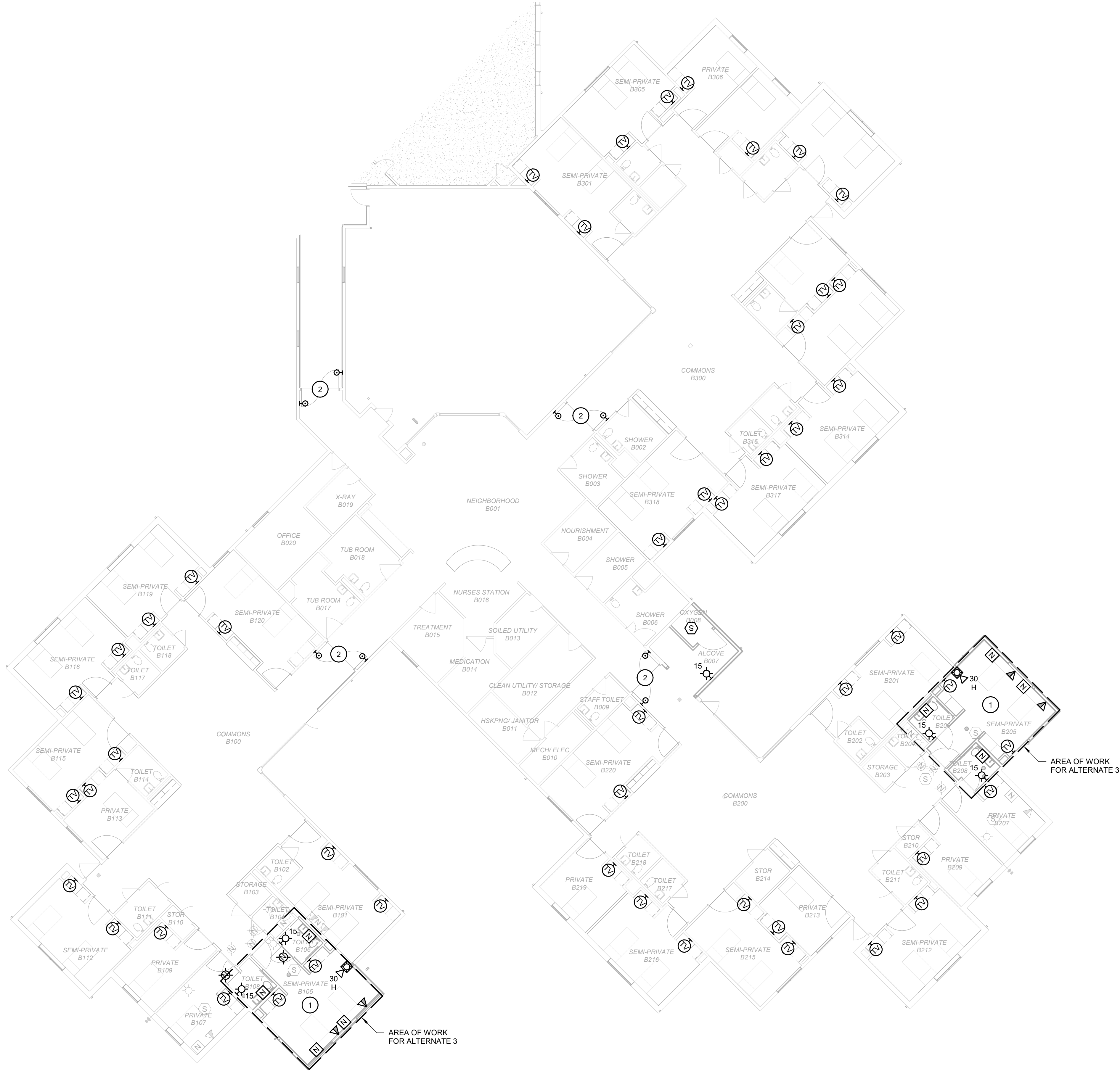


8/14/2024 4:28:12 PM

1

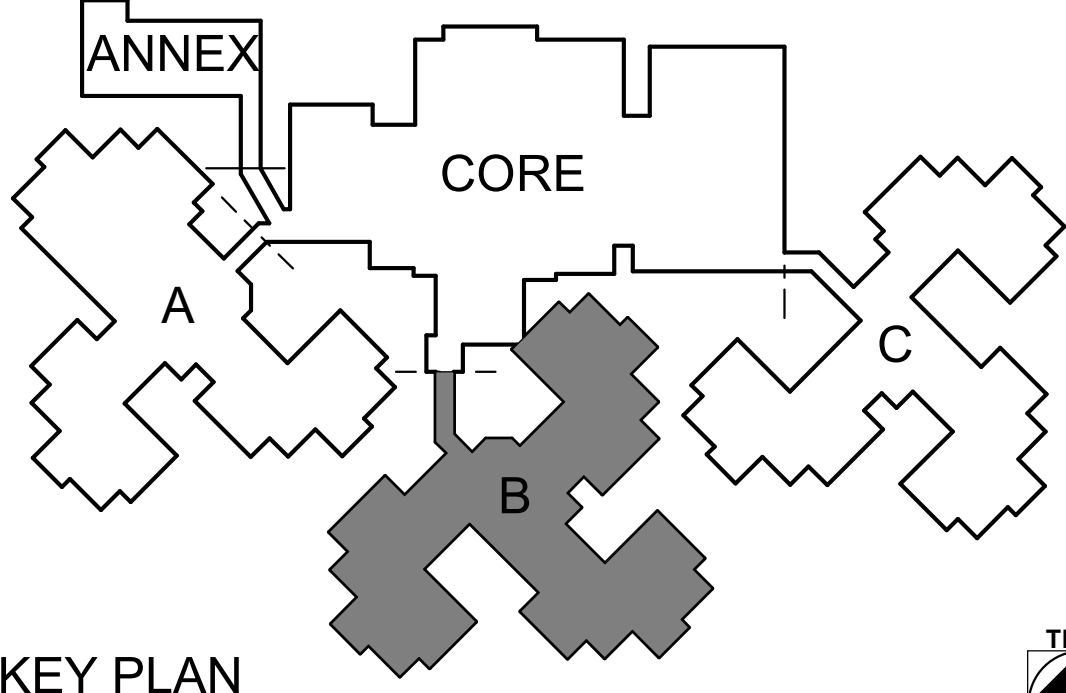
# SYSTEMS PLAN - WING B

Scale: 3/32" = 1'-0"



## KEY PLAN

SCALE: NO SCALE



## GENERAL NOTES

A. PROVIDE COMBINATION BACKBOX FOR TV IN ALL PATIENTS ROOMS AS NOTED ON SHEET E-121.

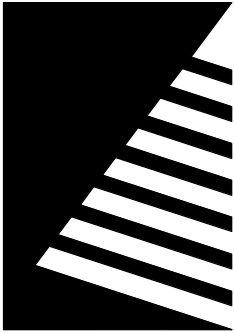
## KEYNOTES #

- 1 RELOCATE NURSE CALL AND FIRE ALARM DEVICES. PROVIDE NEW DEVICE FOR PHONE TO MATCH EXISTING. EXTEND TV CABLING. PROVIDE NEW CABLING FROM SOURCE TO PHONE, NURSE CALL, AND FIRE ALARM.
- 2 PROVIDE MONITORING OF AND CONNECTION TO FIRE ALARM SYSTEM AS REQUIRED.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



## Farnsworth GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

## 100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

## UPGRADES AND RENOVATIONS MISSOURI VETERANS HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:

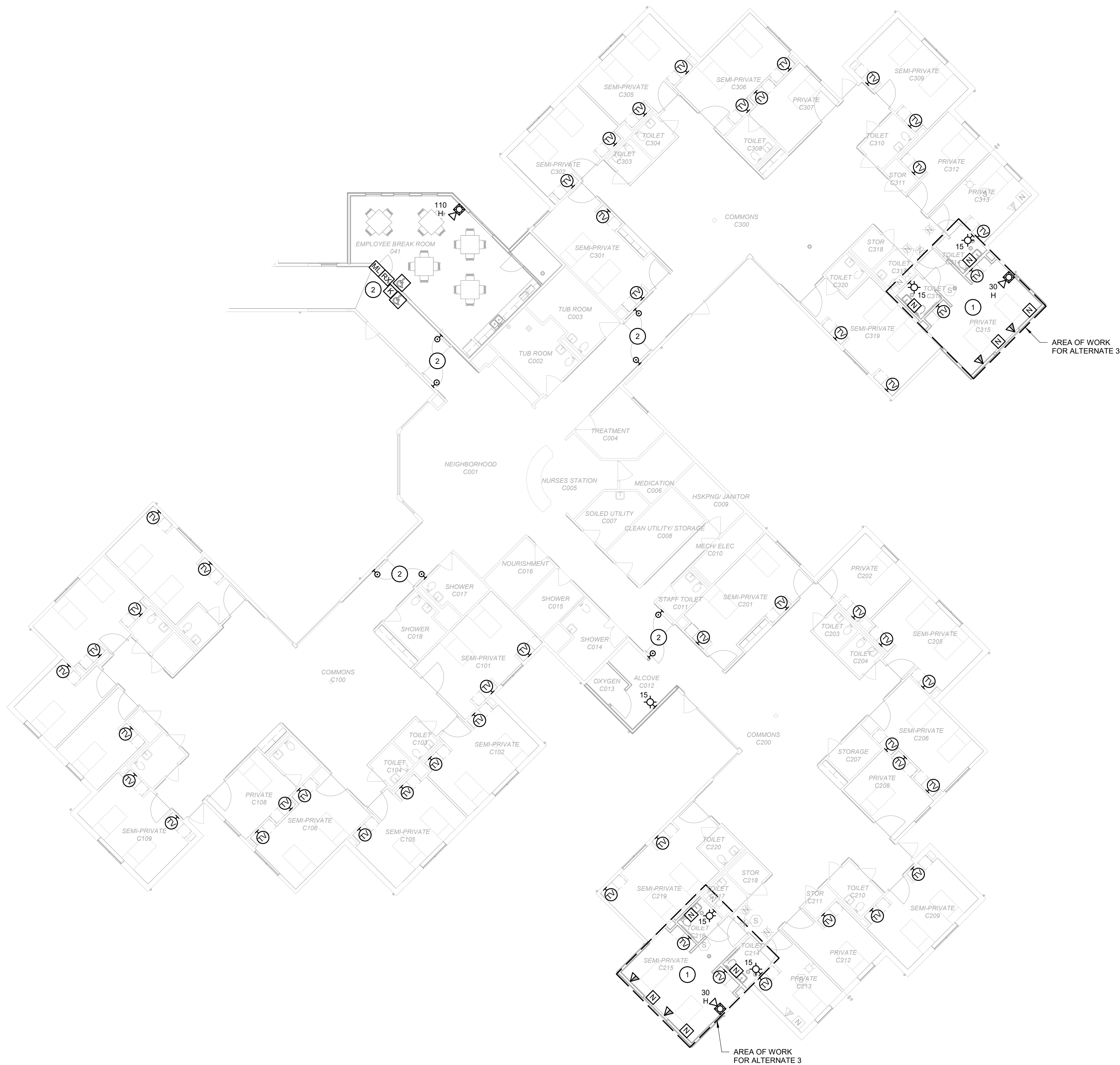
## SYSTEMS PLAN - WING B

SHEET NUMBER:

# E-127

SHEET 188 of 197  
ISSUE DATE: 08/15/2024



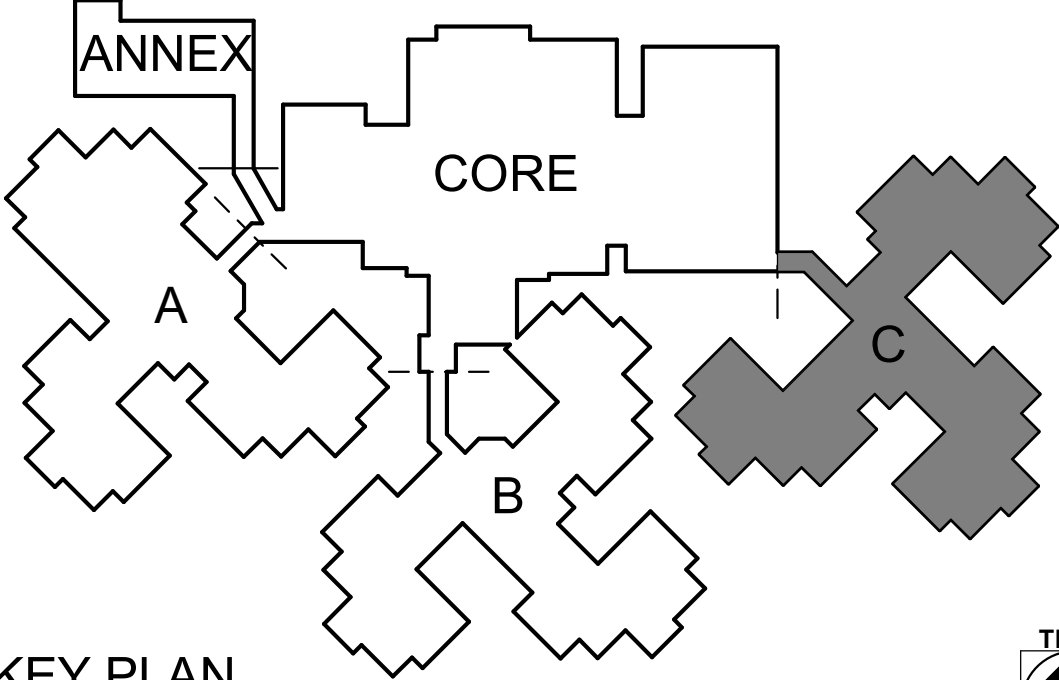


GENERAL NOTES

A. PROVIDE COMBINATION BACKBOX FOR TV IN ALL PATIENTS ROOMS AS NOTED ON SHEET E-122.

KEYNOTES #

- 1 RELOCATE NURSE CALL AND FIRE ALARM DEVICES. PROVIDE NEW DEVICE FOR PHONE TO MATCH EXISTING. EXTEND TV CABLING. PROVIDE NEW CABLING FROM SOURCE TO PHONE, NURSE CALL, AND FIRE ALARM.
- 2 PROVIDE MONITORING OF AND CONNECTION TO FIRE ALARM SYSTEM AS REQUIRED.

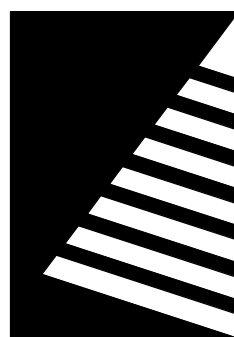


KEY PLAN  
SCALE: NO SCALE

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#: 29-043  
# DATE: DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:

SYSTEMS PLAN -  
WING C

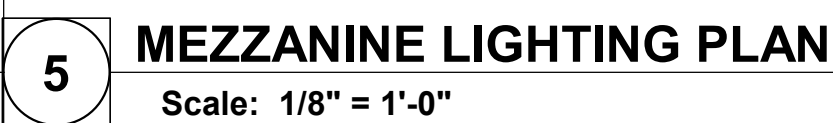
SHEET NUMBER:

E-128

SHEET 189 of 197  
ISSUE DATE: 08/15/2024







2 REUSE AND EXTEND EXISTING CIRCUIT

Date: 8/15/2024



08/15/2024

MISSOURI VETERANS  
COMMISSION

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.:	U1805-01
SITE #.:	6803
FACILITY #.:	8136803002
FAI#.:	29-043
# DATE:	DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:

**ELECTRICAL DETAILS**

SHEET NUMBER:

# E-501

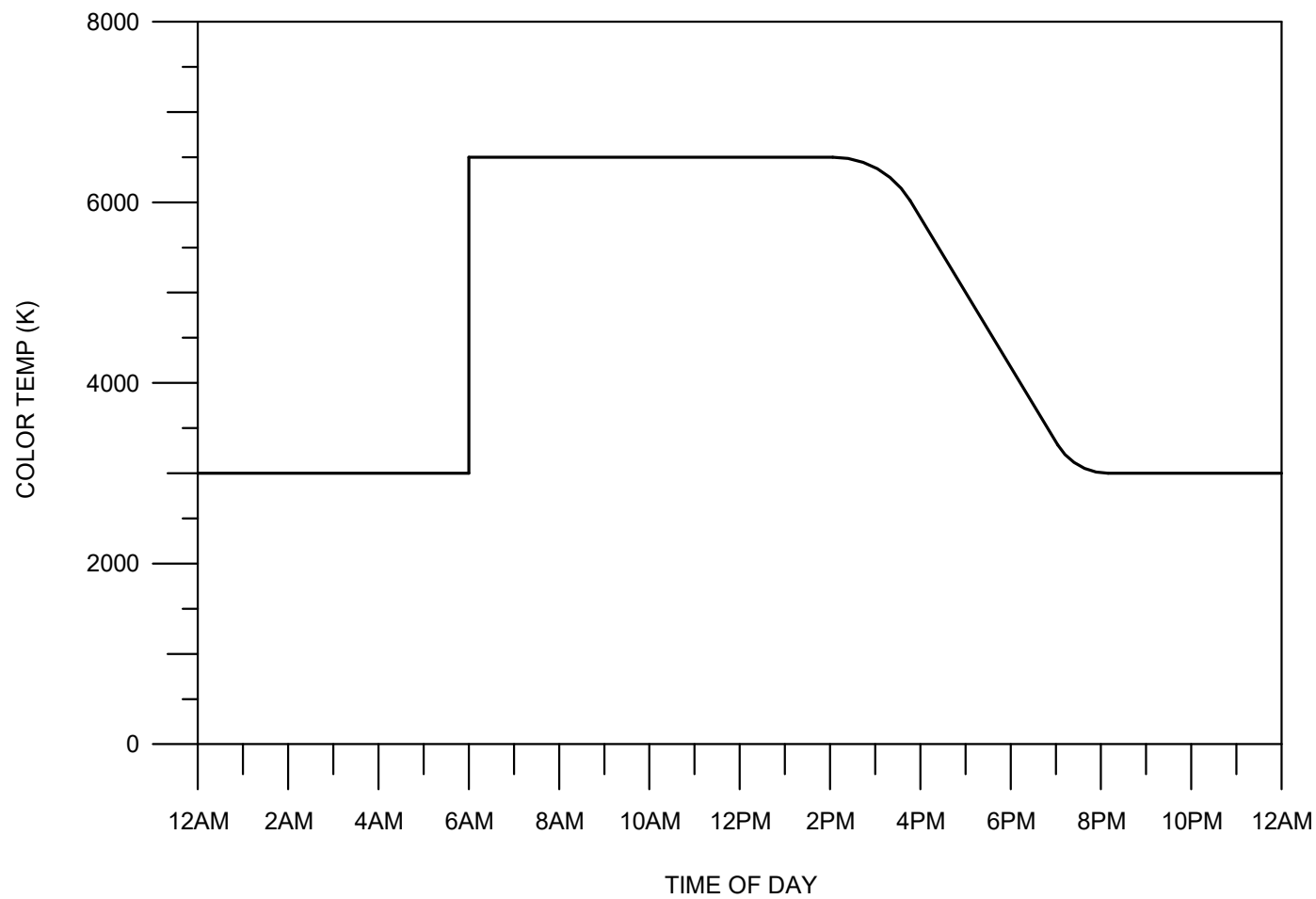
SHEET 190 of 197  
ISSUE DATE: 08/15/2024







LUMINAIRE SCHEDULE									
TYPE	MANUFACTURER	CATALOG NUMBER	LAMP DESCRIPTION	VOLTAGE	LOAD (VA)	FINISH	MOUNTING	DESCRIPTION	
A	ACUITY COOPER SIGNIFY	EPNL 22 34L 40K	LED	120 V	30.8	WHITE	RECESSED	2'x2' LED PANEL LUMINAIRE	
B	KENALL H.E. WILLIAMS PHILLIPS	MPWUD 48 MW FA 1/1 45T 27/65 K8 ATW DV WMA 4 L64/8TW AF DIM UNV ALB 4L#H1 ASY 22 120 SWH DIM2	LED	120 V	92	WHITE	WALL	4' PATIENT BED LUMINAIRE W/ TUNABLE WHITE LED	
C	ACUITY COOPER SIGNIFY	EVO 40/1500 6AR WD L5 MVOLT	LED	120 V	18.5	WHITE	RECESSED	6" OPEN DOWNLIGHT LUMINAIRE	
D1	ACUITY COOPER SIGNIFY	ZLID L48 SMR 3000LM FST MVOLT 4000K	LED	120 V	30	WHITE	PENDANT	4' LED STRIP W/ LENSE	
D2	ACUITY COOPER SIGNIFY	ZLID L24 SMR 1500LM FST MVOLT 4000K	LED	120 V	17	WHITE	PENDANT	2' LED STRIP W/ LENSE	
H	ACUITY COOPER SIGNIFY	HPW 324 MVOLT LED 40 2U2D AM	LED	120 V	53	WHITE	WALL	2' VANITY LUMINAIRE	
J	ACUITY COOPER SIGNIFY	HNL 610 MVOLT LED AMB PC	LED	120 V	5	WHITE	WALL	NIGHT LIGHT	
K	AXIS COOPER SINGIFY	TB2WDILED 300/300 80 40 SO 0.25G 2 W UNV1	LED	120 V	26	WHITE	WALL	BATHROOM VANITY LUMIANIARE	
L	BASELITE ANP TROY RLM LIGHTING	DC 20 58 LED C83/4 CBC3	LED	120 V	10	BRONZE	WALL	BISTRO STORE FRONT	
N	LUMETTA WINONA VISA	SMS244BG2	LED	120 V	28.5	BLACK	SURFACE	DINING ROOM SURFACE	
P	LUMETTA WINONA VISA	P54214L2	LED	120 V	42	TBD	PENDANT	CORRIDOR PENDANT	
Q	VISA BETA CALCO WINONA	OP3630 L40K-H JB9005 FRST	LED	120 V	29	BLACK	PENDANT	CANOPY LIGHTING	
R	ACUITY COOPER SIGNIFY	DMW2 L24 2000LM AFL WD 4000K	LED	120 V	18	WHITE	SURFACE	OXYGEN STORAGE	
SB	LUMETTA WINONA VISA	SMS244BG2 HIGH CCT 40K CRI 90	LED	120 V	50	BLACK	WALL	WALL SCONCE	
SC	SIGNIFY COOPER ACUITY	BL5016 A S7 LED7 NF W	LED	120 V	7	BLACK	WALL	WALL SCONCE	
SD	EATON ACUITY HUBBELL	203 10LED 4041 12 DK	LED	120 V	10	BLACK	GROUND/J-BOX	TREE UP LIGHT, PROVIDE REMOTE TRANSFORMER	
SE	STERNBERG LIGHTING US ARCHITECTURAL LIGHTING HESS AMERICA LIGHTING	PT-1750LED-DR-1L40T3-MDL06-WA-PEC/BKT POLE: 52-10-TFP6.188/BKT	LED	120 V	36	BLACK	POLE	POLE MOUNTED LUMINAIRE	
SF	BY OTHERS	CONTRACTOR INSTALLED PROVIDED BY POLE VENDOR	-	120 V	-	-	-	FLAG POLE TOP LIGHT PROVIDED BY OTHERS, COORDINATE CIRCUITING OF LIGHT PER SITE PLAN	
SG	LIGMAN OR APPROVED EQUAL	ULH-10665-W40-01-120	LED	120 V	27W	BLACK	BOLLARD	LIGHTED BOLLARD	
T	PEERLESS ACUITY COOPER	OPRW FL LOP 12FT 80CRI 40K 800LMF MIN1 ZT 120 SCT CO41	LED	120 V	10.2W/FT	WHITE	RECESSED	WALL WASH FIXTURE FOR FIREPLACE	
T2	PEERLESS ACUITY COOPER	OPRW FL LOP 8FT 80CRI 40K 800LMF MIN1 ZT 120 SCT CO41	LED	120 V	10.2W/FT	WHITE	RECESSED	WALL WASH FIXTURE FOR FIREPLACE	
T3	PEERLESS ACUITY COOPER	OPRW FL LOP 25FT 80CRI 40K 800LMF MIN1 ZT 120 SCT CO41	LED	120 V	10.2W/FT	WHITE	RECESSED	WALL WASH FIXTURE FOR SIGNAGE	
U	PHILIPS EATON ACUITY	2911 L940 40 QN 08D1	LED	120 V	84	WHITE	SURFACE	8' SLOT 3" WIDE LUMINAIRE, MOUNT FIXTURE BOTTOM FLUSH WITH BOTTOM OF SLOTTED CEILING AT 11'-0"	
V	ACUITY COOPER SIGNIFY	EVO2WCLW 40K/10 AR LSS MVOLT RGH	LED	120 V	12.7	BLACK	WALL	BRONSON OUTDOOR LED CAOCH LUMINAIRE	
W	ACUITY COOPER SIGNIFY	EPNL 24 34L 40K	LED	120 V	40	WHITE	RECESSED	2'x4' LED PANEL LUMINAIRE	
X1	ACUITY COOPER SIGNIFY	LRP RW 120/277	LED	120 V	-	WHITE	CEILING/WALL	DECORATIVE EXIT SIGN, PROVIDE ARROWS AS INDICATED ON DRAWINGS	
X2	ACUITY COOPER SIGNIFY	LQM SW3R 120/277	LED	120 V	-	WHITE	CEILING/WALL	UTILITY EXIT SIGN	
Y	ACUITY	JFX-24V-200LM-100FT-40K-90CRI-JFXDRV-120VAC-MLV	LED	120 V	2.3W/FT	WHITE	SURFACE	TAPE LIGHT	
NOTES: A. COORDINATE CONTINUOUS FIXTURES, COORDINATE WITH SUPPLIER ON LENGTH AND REQUIRED FITTINGS, AND INSTALL WITH UNIFORM ILLUMINATION ALONG FIXTURE INCLUDING CORNERS. B. REMOVE ALL FINGER PRINTS FROM LENSES, REFLECTORS, AND LOUVERS FOLLOWING LIGHT FIXTURE INSTALLATION.									
C. FOR APPROVAL OF FIXTURES FROM MANUFACTURERS OTHER THAN THOSE LISTED, PROPOSED FIXTURES SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER TEN BUSINESS DAYS PRIOR TO BID FOR REVIEW. FINAL DETERMINATION OF 'EQUAL' STATUS FOR BIDDING SHALL BE THE SOLE DETERMINATION OF THE ARCHITECT/ENGINEER.									
D. PROVIDE ALL HOLLOW POLES WITH VIBRATION DAMPERS BY THE FACTORY.									



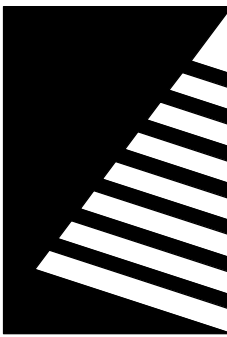
NOTES:  
A. THE ABOVE TABLE INDICATES THE TUNING LEVEL AT TIME OF DAY. LUMINAIRE SHALL BE EQUIPPED WITH APPROPRIATE DRIVER AND CONTROLS FOR FULL CONTROLLABILITY AND PROGRAMMING OF THIS LUMINAIRE FOR FUTURE ADJUSTMENTS.

1 PATIENT BED LUMINAIRE TUNING SCHEDULE  
Scale: No Scale

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Date: 8/15/2024



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#: 29-043

# DATE: DESCRIPTION:  
1 01/28/2020 ADD 04

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:

ELECTRICAL  
SCHEDULES

SHEET NUMBER:

E-602

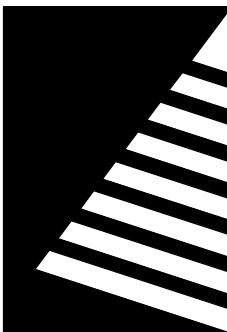
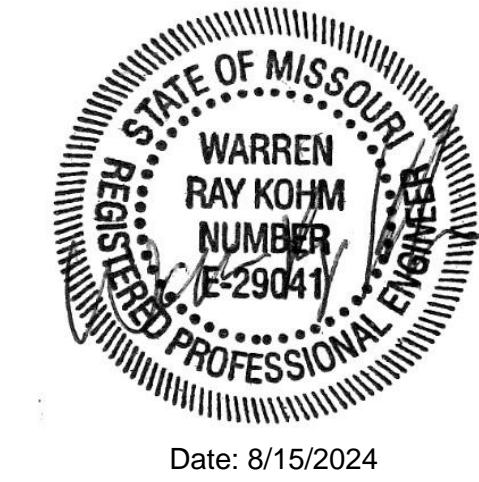
SHEET 192 of 197  
ISSUE DATE: 08/15/2024



EQUIPMENT DATA SCHEDULE																				
DESCRIPTION					LOAD DATA			STARTER					DISCONNECT AT EQUIP.							
MARK	EQUIPMENT	FURNISHED BY	INSTALLED BY	LOCATION	LOAD	VOLTAGE	PHASE	TYPE	NEMA SIZE	DISC. TYPE	DISC. SIZE	FURNISHED BY	INSTALLED BY	CONTROL WIRING	DISC. TYPE	DISC. SIZE	FURNISHED BY	INSTALLED BY	WIRE & CONDUIT	REMARKS
AHU 29	AIR HANDLING UNIT	MC	MC	MEZZANINE	24.7 FLA	208	3	PWC	-	-	-	VND	VND	TCC	FS	60	EC	EC	3#8, 1#10G, 3/4"C	FUSE PER MANUFACTURER'S RECOMMENDATIONS
AHU 30	AIR HANDLING UNIT	MC	MC	MEZZANINE	31.5 FLA	208	3	PWC	-	-	-	VND	VND	TCC	FS	60	EC	EC	3#6, 1#10G, 1"C	FUSE PER MANUFACTURER'S RECOMMENDATIONS
CEEF 1	EXHAUST FAN	MC	MC	SEMI-PRIVATE ROOM C301	1/15 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
CP 1	CONDENSATE PUMP	MC	MC	VARIOUS	1/30 HP	120	1	PWC	-	-	-	VND	VND	TCC	SR	5-20R	EC	EC	2#12, 1#12G, 3/4"C	
DAC 1	DOOR AIR CURTAIN	MC	MC	VESTIBULE 001	3.4 FLA	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
DAC 2	DOOR AIR CURTAIN	MC	MC	VESTIBULE 001	3.4 FLA	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EBH 1	ELECTRIC BASEBOARD HEATER	MC	MC	CONFERENCE/FRONT DINING	750 W (18)	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EBH 2	ELECTRIC BASEBOARD HEATER	MC	MC	ADMIN/VESTIBULE	1500 W (2)	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 1	EXHAUST FAN	MC	MC	ROOF	1/6 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	WIRE ON/OFF CONTROLS VIA LIGHT SWITCH
EF 4A	EXHAUST FAN	MC	MC	RESTROOM	1/16 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	WIRE ON/OFF CONTROLS VIA RESTROOM LIGHT SWITCH
EF 5A	EXHAUST FAN	MC	MC	RESTROOM	1/16 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	WIRE ON/OFF CONTROLS VIA RESTROOM LIGHT SWITCH
EF 6B	EXHAUST FAN	MC	MC	RESTROOM	1/16 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	WIRE ON/OFF CONTROLS VIA RESTROOM LIGHT SWITCH
EF 7B	EXHAUST FAN	MC	MC	RESTROOM	1/16 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	WIRE ON/OFF CONTROLS VIA RESTROOM LIGHT SWITCH
EF 8B	EXHAUST FAN	MC	MC	RESTROOM	1/16 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	WIRE ON/OFF CONTROLS VIA RESTROOM LIGHT SWITCH
EF 9B	EXHAUST FAN	MC	MC	RESTROOM	1/16 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	WIRE ON/OFF CONTROLS VIA RESTROOM LIGHT SWITCH
EF 10C	EXHAUST FAN	MC	MC	RESTROOM	1/16 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	WIRE ON/OFF CONTROLS VIA RESTROOM LIGHT SWITCH
EF 11C	EXHAUST FAN	MC	MC	RESTROOM	1/16 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	WIRE ON/OFF CONTROLS VIA RESTROOM LIGHT SWITCH
EF 12C	EXHAUST FAN	MC	MC	RESTROOM	1/16 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	WIRE ON/OFF CONTROLS VIA RESTROOM LIGHT SWITCH
EF 13C	EXHAUST FAN	MC	MC	RESTROOM	1/16 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	WIRE ON/OFF CONTROLS VIA RESTROOM LIGHT SWITCH
EF 14C	EXHAUST FAN	MC	MC	O2 ROOM	1/6 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 15B	EXHAUST FAN	MC	MC	O2 ROOM	1/6 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EF 16A	EXHAUST FAN	MC	MC	O2 ROOM	1/6 HP	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
FCU 118A	FAN COIL UNIT	MC	MC	PRIVATE ROOM A218	55 W	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
FCU 119A	FAN COIL UNIT	MC	MC	SEMI-PRIVATE ROOM A220	55 W	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
FCU 120A	FAN COIL UNIT	MC	MC	NEW DINING A222	135 W	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
FCU 121A	FAN COIL UNIT	MC	MC	NEW DINING A222	135 W	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
FCU 122C	FAN COIL UNIT	MC	MC	MECH 042	150 W	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
FCU 123	FAN COIL UNIT	MC	MC	ADMIN ASSIST 004	60 W	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
FCU 124	FAN COIL UNIT	MC	MC	CONF. ROOM 004 NORTH	150 W	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
FCU 125	FAN COIL UNIT	MC	MC	CONF. ROOM 004 SOUTH	135 W	120	1	PWC	-	-	-	VND	VND	TCC	TT	20	EC	EC	2#12, 1#12G, 3/4"C	
EQUIPMENT DATA NOTES:																				
GENERAL NOTES: A.																				
REMARKS: 1. INSTALL DISCONNECT SWITCH ON THE SIDE OF THE EQUIPMENT HOUSING. 2. PROVIDE DISCONNECT LOCKABLE IN ACCORDANCE WITH NEC 110.25.																				

KITCHEN EQUIPMENT SCHEDULE												
DESCRIPTION		LOAD DATA			DISCONNECT AT EQUIPMENT						WIRE & CONDUIT	REMARKS
MARK	DESCRIPTION	VOLTAGE	PHASE	LOAD	DISC. TYPE	DISC. SIZE	RECEPTACLE TYPE	FURNISHED BY	INSTALLED BY	HEIGHT AFF		
E1	REFRIGERATED CASE	120	1	800 W	DR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	EXISTING EQUIPMENT THAT IS BEING RELOCATED
E2	COFFEE MAKER	120	1	2.6 FLA	DR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	EXISTING EQUIPMENT THAT IS BEING RELOCATED
E3	COLD MILK DISPENSER	120	1	600 W	DR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	
E4	COLD BEVERAGE DISPENSER	120	1	600 W	DR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	EXISTING EQUIPMENT THAT IS BEING RELOCATED
E5	COLD BEVERAGE DISPENSER	120	1	600 W	DR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	EXISTING EQUIPMENT THAT IS BEING RELOCATED
E6	ICE AND WATER DISPENSER	120	1	1500 W	DR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	EXISTING EQUIPMENT THAT IS BEING RELOCATED
E7	ICED CAPPUCCINO DISPENSER	120	1	1000 W	DR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	EXISTING EQUIPMENT THAT IS BEING RELOCATED
E8	COFFEE URN	208	3	VERIFY	DR	-	VERIFY	EC	EC	SEE PLANS	3#6, 1#10G, 1"C	EXISTING EQUIPMENT THAT IS BEING RELOCATED
E11	POPCORN MAKER	120	1	600 W	DR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	EXISTING EQUIPMENT THAT IS BEING RELOCATED
E12	ICE CREAM DISPENSER	120	1	1200 W	DR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	
E13	SODA DISPENSER WITH ICE MAKER	120	1	8.8 FLA	DR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	
E14	MICROWAVE	120	1	1200 W	DR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	EXISTING EQUIPMENT THAT IS BEING RELOCATED
E17	REFRIGERATOR	120	1	1200 W	SR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	EXISTING EQUIPMENT THAT IS BEING RELOCATED
E18	GLASS DOOR FREEZER	120	1	1200 W	SR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	EXISTING EQUIPMENT THAT IS BEING RELOCATED
E19	BEVERAGE COOLER	120	1	800 W	DR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	EXISTING EQUIPMENT THAT IS BEING RELOCATED
E22	COTTON CANDY MACHINE	120	1	1200 W	SR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	
E23	VENDING MACHINE	120	1	1200 W	SR	-	5-20R	EC	EC	SEE PLANS	2#12, 1#12G, 3/4"C	
EQUIPMENT DATA NOTES:												
GENERAL NOTES: A. CONTRACTOR SHALL COORDINATE INSTALLATION OF WIRING DEVICES AND CONDUCTORS WITH SHELVEING ELECTRICAL CHASES AND JUNCTION BOXES. REFER TO SHELVEING SHOP DRAWINGS FOR MORE INFORMATION. B. COORDINATE MOUNTING HEIGHT WITH SHELF HEIGHT. C. FUSE PER MANUFACTURER'S RECOMMENDATIONS. D. COORDINATE LOCATION OF CONDENSING UNIT WITH FOOD SERVICE PLANS. PROVIDE CONDUIT AND WIRE TO REMOTE CONDENSER AND DISCONNECTING MEANS AT CONDENSER. E. COORDINATE ELECTRICAL CONNECTION TYPE AND LOCATION WITH MANUFACTURER PRIOR TO INSTALLATION. F. CONTRACTOR SHALL PROVIDE WIRING TO DOOR SWITCH. G. REFER TO FOOD SERVICE PLAN K10C FOR MOUNTING HEIGHT. H. REFER TO FIRE PROTECTION SYSTEM DRAWING FOR TIE-INS AND CONNECTIONS. I. ALL 20A RECEPTACLES SHALL HAVE GFI PROTECTION. J. ALL EQUIPMENT UNDER THE HOOD SHALL HAVE SHUNT TRIP DEVICE AT CIRCUIT BREAKER THAT IS TRIPPED UPON ACTIVATION OF THE FIRE ALARM.												
REMARKS: 1. PROVIDE DIRECT CONNECTION TO EQUIPMENT JUNCTION BOX.												

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR



Farnsworth  
GROUP

20 ALLEN AVENUE, SUITE 200  
ST LOUIS, MISSOURI 63119  
(314) 962-7900 / info@f-w.com

Farnsworth Group, Inc.  
Missouri State Certificate of Authority #000744  
www.f-w.com  
Engineers | Architects | Surveyors | Scientists

100% BID SET

08/15/2024

OFFICE OF  
ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT, DESIGN  
AND CONSTRUCTION

MISSOURI VETERANS  
COMMISSION

UPGRADES AND  
RENOVATIONS  
MISSOURI VETERANS  
HOME

2400 Veterans Memorial Dr,  
Cape Girardeau, MO 63701

PROJECT #.: U1805-01  
SITE #.: 6803  
FACILITY #.: 8136803002  
FAI#.: 29-043

# DATE: DESCRIPTION:

DRAWN BY: KMA  
CHECKED BY: WRK  
DESIGNED BY: TLA

SHEET TITLE:

ELECTRICAL  
SCHEDULES

SHEET NUMBER:

E-603

SHEET 193 of 197  
ISSUE DATE: 08/15/2024



PANELBOARD MLL3															
VOLTAGE: 208/120V					CONNECTED LOAD PER PHASE					ISOLATED GROUND BUS (Y/N):					
PHASE / WIRE: 3Ø / 4W					PHASE					BUSSING: SEE SPEC					
RATED AMPERAGE: 400 A					A		B		C		MOUNTING: RECESSED				
MAIN: 100 A MLO					1080 VA		1982 VA		540 VA		MCB GROUND FAULT PROTECTION (Y/N): N				
SCC RATING (SYM): SEE ONE-LINE					10 A		17 A		5 A		MCB SHUNT TRIP (Y/N): N				
											MCB 100% RATED (Y/N): N				
CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	RCPT 46,47		20 A	1	0	0					1	20 A		RCPT 71,73	2
3	RCPT 47,48,50		20 A	1			0	0			1	20 A		RCPT 73,72,68	4
5	RCPT 50,55,47		20 A	1					0	0	1	20 A		RCPT 73,74,82	6
7	RCPT 44,46		20 A	1	0	0					1	20 A		RCPT 74,75,77	8
9	RCPT 44,46,55,41		20 A	1			0	0			1	20 A		RCPT 77,78	10
11	RCPT 42,43,44		20 A	1					0	0	1	20 A		RCPT 78,79	12
13	RCPT 43		20 A	1	0	0					1	20 A		RCPT 79	14
15	RCPT 39,40,43		20 A	1			0	0			1	20 A		RCPT 79,80,81,83,84	16
17	RCPT 39,38		20 A	1					0	0	1	20 A		RCPT 84	18
19	RCPT 38,41,58		20 A	1	0	0					1	20 A		RCPT 01,62,63,64,82,85	20
21	RCPT 30,31,32,34,35,36		20 A	1			0	0			1	20 A		ICE MACHINE	22
23	RCPT 59,60,65		20 A	1					0	0	1	20 A		RCPT 01,02,EXT CORR	24
25	RCPT 51,52		20 A	1	0	0					1	20 A		RCPT VENDING	26
27	RCPT 51,52		20 A	1			0	0			1	20 A		RCPT 03,05,25	28
29	RCPT 52,53,54,59		20 A	1					0	0	1	20 A		RCPT 05,08	30
31	RCPT 56,57		20 A	1	0	0					1	20 A		RCPT 06	32
33	RCPT 65		20 A	1			0	0			1	20 A		RCPT 06,10,07,09	34
35	RCPT 66,67		20 A	1					0	0	1	20 A		RCPT 10	36
37	RCPT 66,69,70		20 A	1	0	0					1	20 A		RCPT 11	38
39	RCPT 70		20 A	1			0	0			1	20 A		RCPT 11,12	40
41	RCPT 70,71		20 A	1					0	0	1	20 A		RCPT 08,12,13,25	42
43	LTG 52,53,54,56,57		20 A	1	0	0					1	20 A		RCPT 14	44
45	LTG 47,48,49,50,51		20 A	1			0	0			1	20 A		RCPT 14,15,17	46
47	LTG 44,45,46		20 A	1					0	0	1	20 A		RCPT 17,18	48
49	LTG 39,40,42,43,38		20 A	1	0	0					1	20 A		RCPT 18,19	50
51	LTG 38,34,35,36,33		20 A	1			0	0			1	20 A		RCPT 19,20,21,22,24	52
53	LTG 31,32,30,60,61,62		20 A	1					0	0	1	20 A		RCPT 22	54
55	LTG 63,64,65,66,68		20 A	1	0	540					1	20 A		RCPT - A200, A223	56
57	LTG 66,67,69,70		20 A	1			0	540			1	20 A		RCPT - A206, A208, A012	58
59	LTG 71,72,73		20 A	1					0	0	1	20 A		LTG 82,68	60
61	LTG 74,75,76,77,78,79		20 A	1	0	0					1	20 A		LTG 1,26,59,86	62
63	LTG 79,80,81,83,84		20 A	1			0	0			1	20 A		LTG 41,55,58	64
65	LTG 2,3,5,6		20 A	1					0	0	1	20 A		LTG 8,24,25	66
67	LTG 7,9,10,11,12,13		20 A	1	0	0					1	20 A		LTG 25,26,85,86,58,59	68
69	LTG 14,15,16,17,18		20 A	1			0	0			1	20 A		BT 62	70
71	LTG 19,20,21,22,23		20 A	1					0	0	1	20 A		BT 63	72
73			20 A	2	0	0					1	20 A		MICROWAVE	74
75	HEATER (A60)						0	0			1	20 A		REFRIGERATOR	76
77	RCPT - A222		20 A	1					540	0	2	20 A		HEATER (A62)	78
79	RCPT - A222		20 A	1	540	0									80
81	LTG - A222, A012		20 A	1			1082	360			1	20 A		RCPT - A219, A221	82
83	KITCHEN EF		20 A	1					0	0	1	20 A		SPARE	84
Load Classification					Connected Load		Demand Factor		Demand Load		PANEL TOTALS				
Lighting - Continuous					1082 VA		125.00%		1353 VA		TOTAL CONNECTED LOAD: 3602 VA				
Receptacle					2520 VA		100.00%		2520 VA		TOTAL DEMAND: 3873 VA				
Other Non-Continuous Load					0 VA		0.00%		0 VA		TOTAL CONNECTED CURRENT: 10 A				
											TOTAL DEMAND CURRENT: 11 A				
NOTES:															
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED															
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIG.															

GENERAL NOTES

A. SCC RATING OF ALL EQUIPMENT TO BE VERIFIED BY THE POWER SYSTEMS STUDY, SEE SHEET E-601 FOR MORE INFORMATION.

EXISTING PANELBOARD MSL1																
VOLTAGE: 208/120V					CONNECTED LOAD PER PHASE					ISOLATED GROUND BUS (Y/N):						
PHASE / WIRE: 3Ø / 4W					PHASE					BUSSING: SEE SPEC						
RATED AMPERAGE: 100 A					A		B		C		MOUNTING: RECESSED					
MAIN: 100 A MLO					0 VA		0 VA		471 VA		MCB GROUND FAULT PROTECTION (Y/N):					
SCC RATING (SYM): SEE ONE-LINE					0 A		0 A		4 A		MCB SHUNT TRIP (Y/N):					
											MCB 100% RATED (Y/N):					
CKT	IDENTIFICATION		TYPE (*)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	EMERG LTG			20 A	1	0	0					1	20 A		FRONT DOOR EXIT LTG	2
3	EMERG LTG			20 A	1			0	0			1	20 A		SPARE	4
5	EMERG LTG			20 A	1					0	0	1	20 A		SPARE	6
7	TELEPHONE BOARD			20 A	1	0	0					1	20 A		DOOR ALARM	8
9	SPARE			20 A	1			0	0			1	20 A		SPARE	10
11	LTG EXIT 117			20 A	1					0	0	1	20 A		SPARE	12
13	EMERG LTG NEW CLINIC			20 A	1	0	0					1	20 A		SPARE	14
15	EMERG LTG NEW CLINIC			20 A	1			0	0			1	20 A		EMERG RCPT NEW CLINIC	16
17	LTG - A012, A013, A222			20 A	1					471	0	1	20 A		EMERG RCPT NEW CLINIC	18
Load Classification					Connected Load		Demand Factor		Demand Load		PANEL TOTALS					
Lighting - Continuous					471 VA		125.00%		589 VA		TOTAL CONNECTED LOAD: 471 VA					
											TOTAL DEMAND: 589 VA					
											TOTAL CONNECTED CURRENT: 1 A					
											TOTAL DEMAND CURRENT: 2 A					
NOTES:																
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED																
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIG.																

EXISTING PANELBOARD MEL1															
VOLTAGE: 208/120V					CONNECTED LOAD PER PHASE					ISOLATED GROUND BUS (Y/N): N					
PHASE / WIRE: 3Ø / 4W					PHASE					BUSSING: SEE SPEC					
RATED AMPERAGE: 225 A					A		B		C		MOUNTING: RECESSED				
MAIN: 100 A MLO					270 VA		0 VA		628 VA		MCB GROUND FAULT PROTECTION (Y/N): N				
SCC RATING (SYM): SEE ONE-LINE					3 A		0 A		6 A		MCB SHUNT TRIP (Y/N): N				
											MCB 100% RATED (Y/N): N				
CKT	IDENTIFICATION		TYPE (*)	BKR SIZE	POLES	A	B	C	POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT		
1	CHP 39,43			50 A	2	0	0		1	20 A		FCU-100 HALL	2		
3									1	20 A		AIR HAN	4		
5	STOVE/OVEN KITCHEN			50 A	2			0	2	20 A		EH-1 A63	6		
7						0	0						8		
9	STEAM TABLE A-WING KITCHEN			30 A	2		0	0	2	20 A		EH-1 A64	10		
11								0	0				12		
13	SPACE			--	1	--	0		1	20 A		CHP 66,70	14		
15	CHP 52,57			20 A	1			0	1	20 A		CHP 66,70	16		
17	SPARE			20 A	1				1	20 A		CHP 14,17,18	18		
19						0	--		1	--		SPACE	20		
21	ANL 17A			20 A	2			0	1	20 A		CHP 19,22	22		
23	EF-4A, EF-5A, EF-6A, EF-16A			20 A	1				1	20 A		CHP 19,22	24		
25	FCU-119A, 121A, CP-1			20 A	1	270	--		1	--		SPACE	26		
27	SPARE			20 A	1			0	1	20 A		CHP 11,12	28		
29	SPARE			20 A	1				1	20 A		CHP 6,10	30		
31						0	--		1	--		SPACE	32		
33	21 (VHP)			60 A	2			0	2	20 A		CHP 5	34		
35	9 EF-1 (3) EF-2			20 A	1				1	20 A			36		
37	11 EF-1 (4) EF-2			20 A	1	0	0		1	20 A		SPARE	38		
39													40		
41	CHP 38,65			30 A	2			0	2	20 A		81 (VHP 3)	42		
Load Classification						Connected Load	Demand Factor	Demand Load	PANEL TOTALS						
Motor						898 VA	114.70%	1030 VA							
Other Non-Continuous Load						0 VA	0.00%	0 VA	TOTAL CONNECTED LOAD: 898 VA						
									TOTAL DEMAND: 1030 VA						
									TOTAL CONNECTED CURRENT: 2 A						
									TOTAL DEMAND CURRENT: 3 A						
NOTES:															
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED															
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIG.															



EXISTING PANELBOARD MLL4																	
VOLTAGE: 208/120V				CONNECTED LOAD PER PHASE						ISOLATED GROUND BUS (Y/N):						N	
PHASE / WIRE: 3Ø / 4W										BUSSING: SEE SPEC						SEE SPEC	
RATED AMPERAGE: 400 A				A		B		C		MOUNTING: RECESSED							
MAIN: 100 A MLO				540 VA		31 VA		360 VA		MCB GROUND FAULT PROTECTION (Y/N):						N	
SCC RATING (SYM): SEE ONE-LINE										MCB SHUNT TRIP (Y/N):						N	
				5 A		0 A		3 A		MCB 100% RATED (Y/N):						N	
CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT		
1	RCPT 46,47		20 A	1	0	0					1	20 A		RCPT 71,73	2		
3	RCPT 47,48,50		20 A	1			0	0			1	20 A		RCPT 72,73,68	4		
5	RCPT 50,55,47		20 A	1					0	0	1	20 A		RCPT 73,74,82	6		
7	RCPT 44,46		20 A	1	0	0					1	20 A		RCPT 74,75,77	8		
9	RCPT 44,46,55,41		20 A	1			0	0			1	20 A		RCPT 77,78	10		
11	RCPT 42,43,44		20 A	1					0	0	1	20 A		RCPT 78,79	12		
13	RCPT 43		20 A	1	0	0					1	20 A		RCPT 79	14		
15	RCPT 39,40,43		20 A	1			0	0			1	20 A		RCPT 79,80,81,83,84	16		
17	RCPT 38,39		20 A	1					0	0	1	20 A		RCPT 84	18		
19	RCPT 38,41,58		20 A	1	0	0					1	20 A		RCPT 01,62,63,64,82,85	20		
21	RCPT 30,31,32,34,35,36,38		20 A	1			0	0			1	20 A		ICE MACHINE	22		
23	RCPT 59,60,65		20 A	1					0	0	1	20 A		RCPT 01,02,EXT. CORR.	24		
25	RCPT 51,52		20 A	1	0	0					1	20 A		RCPT VENDING	26		
27	RCPT 51,52		20 A	1			0	0			1	20 A		RCPT 03,05,25	28		
29	RCPT 52,53,54,59		20 A	1					0	0	1	20 A		RCPT 05,08	30		
31	RCPT 56,57		20 A	1	0	0					1	20 A		RCPT 06	32		
33	RCPT 65		20 A	1			0	0			1	20 A		RCPT 06,10,07,09	34		
35	RCPT 66,67		20 A	1					0	0	1	20 A		RCPT 10	36		
37	RCPT 66,69,70		20 A	1	0	0					1	20 A		RCPT 11	38		
39	RCPT 70		20 A	1			0	0			1	20 A		RCPT 11,12	40		
41	RCPT 70,71		20 A	1					0	0	1	20 A		RCPT 08,12,13,25	42		
43	LTG 52,53,54,56,57		20 A	1	0	0					1	20 A		RCPT 14	44		
45	LTG 47,48,49,50,51		20 A	1			0	0			1	20 A		RCPT 14,51,17	46		
47	LTG 44,45,46		20 A	1					0	0	1	20 A		RCPT 17,18	48		
49	LTG 39,40,42,43,38		20 A	1	0	0					1	20 A		RCPT 18,19	50		
51	LTG 34,35,36,38,33		20 A	1			0	0			1	20 A		RCPT 19,20,21,22,24	52		
53	LTG 30,31,32,60,61,62		20 A	1					0	0	1	20 A		RCPT 22	54		
55	LTG 63,64,65,66,68		20 A	1	0	0					1	20 A		FILM PROCESSOR	56		
57	LTG 66,67,69,70		20 A	1			0	0			1	20 A		LTG 87,88	58		
59	LTG 71,72,73		20 A	1					0	0	1	20 A		LTG 68,82	60		
61	LTG 74,75,76,77,78,79		20 A	1	0	0					1	20 A		LTG 1,26,59,86	62		
63	LT 79,80,81,83,84		20 A	1			0	0			1	20 A		LTG 41,55,58	64		
65	LTG 2,3,5,6		20 A	1					0	0	1	20 A		LTG 8,24,25	66		
67	LTG 7,9,10,11,12,13		20 A	1	0	0					1	20 A		LTG 25,26,85,86,58,59	68		
69	LTG 14,15,16,17,18		20 A	1			0	0			1	20 A		BT 62	70		
71	LTG 19,20,21,22,23		20 A	1					0	0	1	20 A		BT 63	72		
73	LTG 87,88		20 A	1	0	0					1	20 A		MICROWAVE	74		
75	LTG 126		20 A	1			0	0			1	20 A		REFRIGERATOR	76		
77	LTG 126		20 A	1					0	360	1	20 A		RCPT - B106, B108	78		
79	SPARE		20 A	1	0	540					1	20 A		RCPT - B206, B208, B007	80		
81	LTG - B007		20 A	1			31	0			1	20 A		SPARE	82		
83	KIOSK		20 A	1					0	0	1	20 A		SPARE	84		
Load Classification					Connected Load		Demand Factor		Demand Load		PANEL TOTALS						
Lighting - Continuous					31 VA		125.00%		39 VA		TOTAL CONNECTED LOAD: 931 VA						
Receptacle					900 VA		100.00%		900 VA		TOTAL DEMAND: 939 VA						
											TOTAL CONNECTED CURRENT: 3 A						
											TOTAL DEMAND CURRENT: 3 A						
NOTES:																	
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED																	
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIIG.																	

GENERAL NOTES

A. SCC RATING OF ALL EQUIPMENT TO BE VERIFIED BY THE POWER SYSTEMS STUDY, SEE SHEET E-601 FOR MORE INFORMATION.

EXISTING PANELBOARD MSL2															
VOLTAGE: 208/120V				CONNECTED LOAD PER PHASE						ISOLATED GROUND BUS (Y/N):				N	
PHASE / WIRE: 3Ø / 4W										BUSSING: SEE SPEC				MOUNTING: RECESSED	
RATED AMPERAGE: 100 A				A		B		C		MCB GROUND FAULT PROTECTION (Y/N):					
MAIN: 100 A MLO				0 VA		0 VA		49 VA		MCB SHUNT TRIP (Y/N):				N	
SCC RATING (SYM): SEE ONE-LINE										MCB 100% RATED (Y/N):				N	
				0 A		0 A		0 A							
CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	LTG EMERG		20 A	1	0	--					1	--		SPACE	2
3	LTG EMERG		20 A	1			0	0			1	20 A		WATER FOUNTAIN	4
5	LTG EMERG		20 A	1					0	0	1	20 A		DOOR ALARM	6
7	TELEPHONE BOARD		20 A	1	0	0					1	20 A		SPARE	8
9	LTG 126 MAIN ENTRANCE		20 A	1			0	0			1	20 A		FIRE ALARM STROBES	10
11	LTG - B007, B008		20 A	1					49	0	1	20 A		LTG EXIT	12
13	SPARE		20 A	1	0	0					1	20 A		LTG OUTSIDE	14
15	SPARE		20 A	1			0	0			1	20 A		LTG OUTSIDE	16
17	SPACE		--	1					--	0	1	20 A		SPARE	18
Load Classification					Connected Load		Demand Factor		Demand Load		PANEL TOTALS				
Lighting - Continuous					49 VA		125.00%		61 VA		TOTAL CONNECTED LOAD: 49 VA				
											TOTAL DEMAND: 61 VA				
											TOTAL CONNECTED CURRENT: 0 A				
											TOTAL DEMAND CURRENT: 0 A				
NOTES:															
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED															
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIIG.															

EXISTING PANELBOARD MEL2																
VOLTAGE: 208/120V				CONNECTED LOAD PER PHASE					ISOLATED GROUND BUS (Y/N):				N			
PHASE / WIRE: 3Ø / 4W									BUSSING: SEE SPEC							
RATED AMPERAGE: 225 A				A		B		C		MOUNTING: RECESSED						
MAIN: 100 A MLO				0 VA		100 VA		628 VA		MCB GROUND FAULT PROTECTION (Y/N): N						
SCC RATING (SYM): SEE ONE-LINE				0 A		1 A		5 A		MCB SHUNT TRIP (Y/N): N						
										MCB 100% RATED (Y/N): N						
CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT	
1	100 HALL FAN COIL		20 A	1	0	0					2	20 A		100 HALL BATH CEILING HEAT	2	
3	44, 46 CHP		20 A	2			0	0							4	
5									0	0	2	20 A		100 HALL BATH CEILING HEAT	6	
7	47, 50, 51 CHP		30 A	2	0	0									8	
9							0	0			2	20 A		71, 73 CHP	10	
11	52, 57 CHP BATH CEILING		20 A	2					0	0					12	
13					0	0					2	30 A		66, 70 CHP	14	
15	EF-8B, EF-9B		20 A	1			100	0							16	
17	54 (VHP_3)		60 A	2			0	0			2	30 A		14,17,18 CHP	18	
19					0	0									20	
21	SPARE		20 A	2			0	0			2	30 A		SPARE	22	
23									0	0					24	
25	200 FAN COIL UNIT		20 A	1	0	0					2	20 A		11,12 CHP	26	
27	200 FAN COIL UNIT		20 A	1			0	0							28	
29	200 FAN COIL UNIT		20 A	1					0	528	1	20 A		EF-15B	30	
31	21 9VHP-3		60 A	2	0	0					1	20 A		300 FAN COIL UNIT HEATER	32	
33							0	0			2	30 A		SPARE	34	
35	(9) EF1, (3) EF2		20 A	1					0	0					36	
37	(11) EF1, (4) EF2		20 A	1	0	0									38	
39											2	60 A		SPARE	40	
41	38,65		30 A	2			0	0							42	
									0	100	1	20 A		EF-6B, EF-7B		
Load Classification				Connected Load		Demand Factor		Demand Load		PANEL TOTALS						
Motor				728 VA		118.13%		860 VA								
Other Non-Continuous Load				0 VA		0.00%		0 VA		TOTAL CONNECTED LOAD: 728 VA						
										TOTAL DEMAND: 860 VA						
										TOTAL CONNECTED CURRENT: 2 A						
										TOTAL DEMAND CURRENT: 2 A						
NOTES:																
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED																
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIG.																



EXISTING PANELBOARD MLL5															
VOLTAGE: 208/120V			CONNECTED LOAD PER					ISOLATED GROUND BUS (Y/N):			N				
PHASE / WIRE: 3Ø / 4W			PHASE					BUSSING:			SEE SPEC				
RATED AMPERAGE: 400 A			A		B		C		MOUNTING:			RECESSED			
MAIN: 100 A MLO									MCB GROUND FAULT PROTECTION (Y/N):			N			
SCC RATING (SYM): SEE ONE-LINE			755 VA		2940 VA		2280 VA		MCB SHUNT TRIP (Y/N):			N			
			6 A		26 A		21 A		MCB 100% RATED (Y/N):			N			
CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	RCPT 47,46		20 A	1	0	0					1	20 A		RCPT 71,73	2
3	RCPT 47,48,50		20 A	1			0	0			1	20 A		RCPT 73,72,68	4
5	RCPT 50,55,47		20 A	1					0	0	1	20 A		RCPT 73,74,82	6
7	RCPT 44,46		20 A	1	0	0					1	20 A		RCPT 74,75,77	8
9	RCPT 44,46,55,41		20 A	1			0	0			1	20 A		RCPT 77,78	10
11	RCPT 42,43,44		20 A	1					0	0	1	20 A		RCPT 78,79	12
13	RCPT 43		20 A	1	0	0					1	20 A		RCPT 79	14
15	RCPT 39,40,43		20 A	1			0	0			1	20 A		RCPT 79,80,81,83,84	16
17	RCPT 39,38		20 A	1					0	0	1	20 A		RCPT 84	18
19	RCPT 38,41,58		20 A	1	0	0					1	20 A		RCPT 01,62,63,64,82,85	20
21	RCPT 30,31,32,34,35,36,38		20 A	1			0	0			1	20 A		ICE MACHINE	22
23	RCPT 59,60,65		20 A	1					0	0	1	20 A		RCPT 01,02, EXT CORR	24
25	RCPT 51,52		20 A	1	0	0					1	20 A		REFRIGERATOR	26
27	RCPT 51,52		20 A	1			0	0			1	20 A		RCPT 03,05,25	28
29	RCPT 52,53,54,59		20 A	1					0	0	1	20 A		RCPT 05,08	30
31	RCPT 56,57		20 A	1	0	0					1	20 A		RCPT 06	32
33	RCPT 65		20 A	1			0	0			1	20 A		RCPT 06,10,07,09	34
35	RCPT 66,67		20 A	1					0	0	1	20 A		RCPT 10	36
37	RCPT 66,69,70		20 A	1	0	0					1	20 A		RCPT 11	38
39	RCPT 70		20 A	1			0	0			1	20 A		RCPT 11,12	40
41	RCPT 70,71		20 A	1					0	0	1	20 A		RCPT 08,12,13,25	42
43	LTG 52,53,54,56,57		20 A	1	0	0					1	20 A		RCPT 14	44
45	LTG 47,48,49,50,51		20 A	1			0	0			1	20 A		RCPT 14,15,17	46
47	LTG 44,45,46		20 A	1					0	0	1	20 A		RCPT 17,18	48
49	LTG 39,40,42,43,38		20 A	1	0	0					1	20 A		RCPT 18,19	50
51	LTG 38,34,35,36,33		20 A	1			0	0			1	20 A		RCPT 21,20,19,22,24	52
53	LTG 31,32,30,60,61,62		20 A	1					0	0	1	20 A		RCPT 22	54
55	LTG 63,64,65,66,68		20 A	1	0	0					1	20 A		SPARE	56
57	LTG 66,67,69,70		20 A	1			0	0			1	20 A		SPARE	58
59	LTG 71,72,73		20 A	1					0	0	1	20 A		LTG 82,68	60
61	LTG 74,75,76,77,78,79		20 A	1	0	0					1	20 A		LTG 1,26,59,86	62
63	LTG 79,80,81,83,84		20 A	1			0	0			1	20 A		LTG 41,55,58	64
65	LTG 2,3,5,6		20 A	1					0	0	1	20 A		LTG 8,24,25	66
67	LTG 7,9,10,11,12,13		20 A	1	0	0					1	20 A		LTG 25,26,85,86,58,59	68
69	LTG 14,15,16,17,18		20 A	1			0	0			1	20 A		BT 62	70
71	LTG 19,20,21,22,23		20 A	1					0	0	1	20 A		BT 63	72
73	LTG - 041		20 A	1	215	0					1	20 A		MICROWAVE	74
75	RCPT - REFRIGERATOR - 041		20 A	1			1200	0			1	20 A		REFRIGERATOR	76
77	RCPT - 041		20 A	1					720	0	1	20 A		SPARE	78
79	RCPT - 041		20 A	1	540	0					1	20 A		SPARE	80
81	RCPT - C214, C216, C012		20 A	1			540	1200			1	20 A		RCPT - MICROWAVE - 041	82
83	RCPT - C314, C316		20 A	1					360	1200	1	20 A		RCPT - MICROWAVE - 041	84
Load Classification					Connected Load		Demand Factor		Demand Load		PANEL TOTALS				
Lighting - Continuous					215 VA		125.00%		269 VA						
Receptacle					5760 VA		100.00%		5760 VA		TOTAL CONNECTED LOAD: 5975 VA				
											TOTAL DEMAND: 6029 VA				
											TOTAL CONNECTED CURRENT: 17 A				
											TOTAL DEMAND CURRENT: 17 A				
NOTES:															
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED															
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIG.															

EXISTING PANELBOARD MSL3																		
VOLTAGE: 208/120V			CONNECTED LOAD PER PHASE						ISOLATED GROUND BUS (Y/N):			N						
PHASE / WIRE: 3Ø / 4W									BUSSING:			SEE SPEC						
RATED AMPERAGE: 100 A			A		B		C		MOUNTING:			RECESSED						
MAIN: 100 A MLO			MCB GROUND FAULT PROTECTION (Y/N):						N									
SCC RATING (SYM): SEE ONE-LINE									MCB SHUNT TRIP (Y/N):						N			
			0 VA		110 VA		0 VA		MCB 100% RATED (Y/N):						N			
			0 A		1 A		0 A											
CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A			B			C			POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT
1	LTG EMERG		20 A	1	0	0							1	20 A		200 HALL ROUND	2	
3	LTG EMERG		20 A	1				0	0				1	20 A		200 HALL ROUND	4	
5	LTG EMERG		20 A	1							0	0	1	20 A		DOOR ALARM	6	
7	TELEPHONE BOARD		20 A	1	0	0							1	20 A		VACUUM PNL/OXYEGEN ALARM	8	
9	SPARE		20 A	1				0	0				1	20 A		LTG 148	10	
11	LTG OUTSIDE		20 A	1							0	0	1	20 A		SPARE	12	
13	LTG OUTSIDE		20 A	1	0	0							1	20 A		SPARE	14	
15	LTG - 041		20 A	1				110	0				1	20 A		SPARE	16	
17	SPARE		20 A	1							0	0	1	20 A		SPARE	18	
Load Classification					Connected Load		Demand Factor		Demand Load		PANEL TOTALS							
Lighting - Continuous					110 VA		125.00%		138 VA									
											TOTAL CONNECTED LOAD: 110 VA							
											TOTAL DEMAND: 138 VA							
											TOTAL CONNECTED CURRENT: 0 A							
											TOTAL DEMAND CURRENT: 0 A							
NOTES:																		
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED																		
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIG.																		

EXISTING PANELBOARD MEL3																	
VOLTAGE: 208/120V			CONNECTED LOAD PER					ISOLATED GROUND BUS (Y/N):				N					
PHASE / WIRE: 3Ø / 4W			PHASE					BUSSING:				SEE SPEC					
RATED AMPERAGE: 225 A			A		B		C		MOUNTING:				RECESSED				
MAIN: 100 A MLO			150 VA		100 VA		628 VA		MCB GROUND FAULT PROTECTION (Y/N):				N				
SCC RATING (SYM): SEE ONE-LINE			1 A		1 A		5 A		MCB SHUNT TRIP (Y/N):				N				
									MCB 100% RATED (Y/N):				N				
CKT	IDENTIFICATION	TYPE (°)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (°)	IDENTIFICATION	CKT		
1	74,77,78 CHP		30 A	2	0	0					2	20 A		38,39 CHP	2		
3							0	0							4		
5	71,73 CHP		20 A	2					0	0	2	50 A		34 CHP	6		
7					0	0									8		
9	23C AHU		20 A	2			0	0						34 CHP	10		
11									0	0	3	60 A			12		
13	66,70 CHP		30 A	2	0	0									14		
15							0	0							16		
17	81 (VHP)		60 A	2					0	0	2	50 A		5,6 CHP	18		
19					0	0									20		
21	52,57 CHP		30 A	2			0	0			2	30 A		10,11,12 CHP	22		
23									0	100	1	20 A		EF-10C, EF-11C	24		
25					0	0									26		
27	47,50,51 CHP		30 A	2					0	0	3	50 A		19,22 CHP	28		
29	43,44,46 CHP		20 A	1						0					30		
31	FCU-122C		20 A	1	150	0								VHPJ HALL 100 VHV27C	32		
33							0	0			2	20 A			34		
35	AHU 24C		20 A	2					0	0				65 CHP	36		
37	(9) EF-1 (2) EF-2		20 A	1	0	0					2	20 A		EF-12C, EF-13C	38		
39	(11) EF-1 (3) EF-2		20 A	1			0	100			1	20 A			40		
41	FCU 300		20 A	1					0	528	1	20 A		EF-14C	42		
Load Classification					Connected Load		Demand Factor		Demand Load		PANEL TOTALS						
Motor					878 VA		115.03%		1010 VA								
Other Non-Continuous Load					0 VA		0.00%		0 VA		TOTAL CONNECTED LOAD: 878 VA						
											TOTAL DEMAND: 1010 VA						
											TOTAL CONNECTED CURRENT: 2 A						
											TOTAL DEMAND CURRENT: 3 A						
NOTES:																	
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED																	
2. (°) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIIG.																	



GENERAL NOTES

A. SCC RATING OF ALL EQUIPMENT TO BE VERIFIED BY THE POWER SYSTEMS STUDY, SEE SHEET E-601 FOR MORE INFORMATION.

PANELBOARD MEL4C																	
VOLTAGE: 208/120V				CONNECTED LOAD PER PHASE							ISOLATED GROUND BUS (Y/N): N						
PHASE / WIRE: 3Ø / 4W				PHASE							BUSSING: SEE SPEC						
RATED AMPERAGE: 225 A				A		B		C			MOUNTING: SURFACE						
MAIN: 225 A MLO				15898 VA		16878 VA		16621 VA			MCB GROUND FAULT PROTECTION (Y/N): N						
SCC RATING (SYM): SEE ONE-LINE				132 A		142 A		139 A			MCB SHUNT TRIP (Y/N): N						
											MCB 100% RATED (Y/N): N						
CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT		
1	AHU-30 - MEZZANINE		50 A	3	3778	2963					3	40 A		AHU-29 - MEZZANINE	2		
3							3778	2963							3778	2963	4
5																	6
7																	8
9	RCPT - MEZZANINE		20 A	1	540	120					1	20 A		LTG - MEZZANINE	10		
11	(2)EBH-1 - CONFERENCE 004		20 A	1			1500	750			1	20 A		(1)EBH-1 - CONFERENCE 004	12		
13	(2)EBH-1 - CONFERENCE 004		20 A	1					1500	1500	1	20 A		(1)EBH-2 - ADMIN ASSIST 003	14		
15	(2)EBH-1 - CONFERENCE 004		20 A	1	1500	1500					1	20 A		(1)EBH-2 - VESTIBULE 001	16		
17	(2)EBH-1 - FRONT DINING 046		20 A	1			1500	1500			1	20 A		(2)EBH-1 - FRONT DINING 046	18		
19	(2)EBH-1 - FRONT DINING 046		20 A	1					1500	1500	1	20 A		(2)EBH-1 - FRONT DINING 046	20		
21	(2)EBH-1 - FRONT DINING 046		20 A	1	1500	750					1	20 A		(1)EBH-1 - FRONT DINING 046	22		
23	DAC-1, DAC-2 - VESTIBULE 001		20 A	1			816	735			1	15 A		FCU-123, 124 & 125	24		
25	SPARE		20 A	1							1	20 A		POPCORN MAKER (E11)	26		
27	EF-1		20 A	1	127	1200			0	600	1	20 A		MICROWAVE (E14)	28		
29											1	20 A		U.C. REFRIGERATOR (E15)	30		
31	COTTON CANDY MACHINE (E22)		20 A	1				900			1	20 A		RCPT - BISTRO	32		
33	ROU 1		20 A	1	0	720			1200	1720	1	20 A		RCPT - BISTRO	34		
35	RCPT - CANTEEN 039		20 A	1			180	1200			1	20 A		REFRIGERATOR (E17)	36		
37	RCPT - CANTEEN 039		20 A	1					180	180	1	20 A		CARBONATOR PUMP	38		
39	SPACE	--	1	--	1200						1	20 A		ICE CREAM DISPENSER (E12)	40		
41	SPACE	--	1	--			--	1056			1	20 A		SODA DISPENSER (E13)	42		
43	SPACE	--	1	--					--	--	1	--		SPACE	44		
Load Classification					Connected Load		Demand Factor		Demand Load		PANEL TOTALS						
Motor					21361 VA		113.27%		24195 VA		TOTAL CONNECTED LOAD: 49397 VA						
HVAC					16500 VA		100.00%		16500 VA								TOTAL DEMAND: 51553 VA
Lighting - Continuous					120 VA		125.00%		150 VA		TOTAL CONNECTED CURRENT: 137 A						
Receptacle					11416 VA		93.80%		10708 VA		TOTAL DEMAND CURRENT: 143 A						
Kitchen Equip - Non-Dwelling Unit					0 VA		0.00%		0 VA								
NOTES:																	
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED																	
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIG.																	

EXISTING PANELBOARD MK1																
VOLTAGE: 208/120V PHASE / WIRE: 3Ø / 4W RATED AMPERAGE: 400 A MAIN: 225 A MCB SCC RATING (SYM): SEE ONE-LINE					CONNECTED LOAD PER PHASE A 1912 VA 16 A B 2100 VA 18 A C 1760 VA 15 A						ISOLATED GROUND BUS (Y/N): BUSSING: MOUNTING: MCB GROUND FAULT PROTECTION (Y/N): MCB SHUNT TRIP (Y/N): MCB 100% RATED (Y/N):				N SEE SPEC RECESSED N N N	
CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT	
1	RCPT RM 139,140		20 A	1	0	0		0			1	20 A		RCPT SALAD & DES	2	
3	LTG FREEZER		20 A	1			0	0							4	
5	COOLER BLOWER		20 A	1					0	0	3	15 A		DISPOSAL	6	
7					0	0									8	
9	COOLER COMP.		15 A	3			0	0			1	20 A		HOOD LTG	10	
11									0	0	1	20 A		PORTABLE REF	12	
13	DRAIN LINE HTR		20 A	1	0	0					2	20 A		BLOWER MTR	14	
15							0	0							16	
17	FREEZER COMP.		20 A	3					0	0	1	20 A		SPARE	18	
19					0	0					1	20 A		SPARE	20	
21	7KOCV BOX		20 A	2			0	0			2	20 A		HOT CABINET	22	
23									0	0					24	
25	SPACE		--	1	--	0					1	20 A		SPARE	26	
27	RCPT RM 137		20 A	1			0	0			1	20 A		FRYER CONTROL	28	
29	ROLL IN REF		20 A	1					0	0					30	
31	REACH IN REF #6		20 A	1	0	0					3	50 A		CONVECTION STEAMER	32	
33	SPACE		--	1			--	0							34	
35															36	
37	CONVEYOR TOASTER		35 A	2		0	0			0	0	3	50 A		BRAISING PAN	38
39	RCPT RM 143		20 A	1			0	0							40	
41	FIRE EXT SYSTEM		20 A	1					0	0	1	20 A		MICROWAVE OVEN	42	
43						0	0				1	20 A		COLD PAN, DISPLAY LTG	44	
45	HOT CABINET		20 A	2				0	0		1	20 A		ICE MAKER	46	
47	RCPT COOKING AREA		20 A	1					0	0	1	20 A		ICE & WATER DISP.	48	
49	RCPT COOKING AREA		20 A	1	0	0					1	20 A		JUICE DIS & HOOD LTG	50	
51	REF		20 A	1			0	0							52	
53	HEATED CART		20 A	1					0	0	2	40 A		COFFEE MAKER	54	
55	HEATED CART		20 A	1	0	0					1	20 A		RCPT & PORTABLE SALAD BAR	56	
57	RCPT & DISPLAY LTG PLATE...		20 A	1			0	0			1	20 A		RCPT / KIOSK	58	
59	COLD PAN		20 A	1					0	0					60	
61	HTD. CART & DIS. LTG		20 A	1	0	0					3	40 A		DISPOSAL	62	
63							0	0							64	
65	HOT FOOD WELL		40 A	2						0	0				66	
67	ROLL WARMER		20 A	1		0	0				3	30 A		DISHWASHER MOTORS	68	
69	HEAT LAMP		20 A	1			0	0							70	
71	SLICER		20 A	1					0	0					72	
73	FOOD CUTTER		20 A	1	0	0					3	60 A		DISHWASHER HEATER	74	
75	REF. BAKING AREA		20 A	1			0	0							76	
77									0	0	1	20 A		RCPT	78	
79	FLOOR MIXER		20 A	3	0	0					1	20 A		PORTABLE WORK TABLE	80	
81							0	0			2	20 A		ICE MAKER	82	
83	RCPT BAKING AREA		20 A	1					0	0					84	
85					0	0					1	20 A		ICE CREAM CABINET	86	
87	PANEL IN TRAY		70 A	2			0	0			1	20 A		FOOD PROCESSOR	88	
89	SPACE		--	1					--	0					90	
91					0	0					2	35 A		FREEZER	92	
93	MAKEUP AREA		20 A	2			0	0			1	20 A		AIR CURTAIN	94	
95									0	0					96	
97	ICE CREAM		30 A	2		0	0				3	50 A		GRIDDLE	98	
99							0	0							100	
101	FRYER		30 A	3					0	0					102	
103					0	0					3	60 A		MAKEUP AIR FOR RESIDENTS LOUNGE	104	
105	SPACE		20 A	1			0	0							106	
107	OVEN HEATER AND BLOWER		20 A	1					0	800	1	20 A		REFRIGERATED CASE (E1)	108	
109	OVEN HEATER AND BLOWER		20 A	1	0	600					1	20 A		COLD MILK DISPENSER (E3)	110	
111	OVEN HEATER AND BLOWER		20 A	1			0	600			1	20 A		COLD BEVERAGE DISP(E4)	112	
113	OVEN HEATER AND BLOWER		20 A	1					0	600	1	20 A		COLD BEVERAGE DISP(E5)	114	
115	SPACE		--	1	--	312					1	20 A		COFFEE URN (E2)	116	
117							0	1500			1	20 A		ICE AND WATER DISPENSER (E6)	118	
119	UNDER COUNTER FREEZER		20 A	2					0	360	1	20 A		RCPT - SERVICE LINE	120	
121	SPACE		--	1	--	1000					1	20 A		ICED CAPPUCCINO DISP(E7)	122	
123							0	--			1	--		SPACE	124	
125	LTG & FAN (OVER GRIDDLE)		20 A	2					0	--	1	--		SPACE	126	
Load Classification					Connected Load		Demand Factor		Demand Load		PANEL TOTALS					
Receptacle					5772 VA		100.00%		5772 VA							
Other Non-Continuous Load					0 VA		0.00%		0 VA							
											TOTAL CONNECTED LOAD: 5772 VA					
											TOTAL DEMAND: 5772 VA					
											TOTAL CONNECTED CURRENT: 16 A					
											TOTAL DEMAND CURRENT: 16 A					
NOTES:																
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED																
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK. IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIG.																