

Construct New 60 Soldier Barracks Camp Clark Training Site 18159 South K Highway Nevada, Missouri

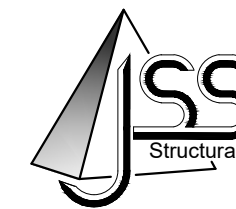
ARCHITECT

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Architects - Consultants
3057 EAST CAIRO STREET (417) 877-1385 PHONE
SPRINGFIELD, MISSOURI 65802

CIVIL ENGINEER

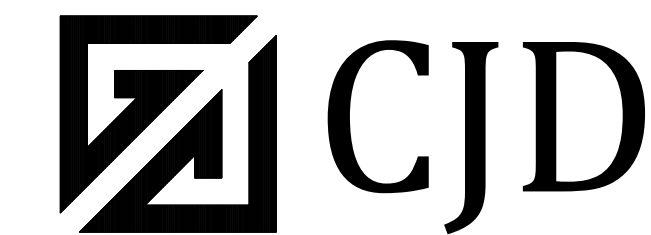
Bartlett & West
1801 W. NORTON, SUITE 309A
SPRINGFIELD, MISSOURI 65803
PHONE: (417) 429-0611

STRUCTURAL ENGINEER



JS Smith Consulting Engineers, P.C.
Missouri State Certificate of Authorization No. E2004026584
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MECHANICAL / ELECTRICAL ENGINEER



Engineering | Energy | Innovation

2101 West Chesterfield Boulevard, Suite B-105A, Springfield, MO 65807
P: 417.877.1700 F: 417.324.7735 www.cjd-eng.com

OWNER:

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

DEPARTMENT OF
MISSOURI ARMY
NATIONAL GUARD

PROJECT
MANAGEMENT:

OFFICE OF ADMINISTRATION DIVISION
OF FACILITIES MANAGEMENT, DESIGN
AND CONSTRUCTION

DESIGNER:

Buddy Webb & Company, Inc.
Architects / Consultants

PROJECT NUMBER:

T2612-01

SITE NUMBER:

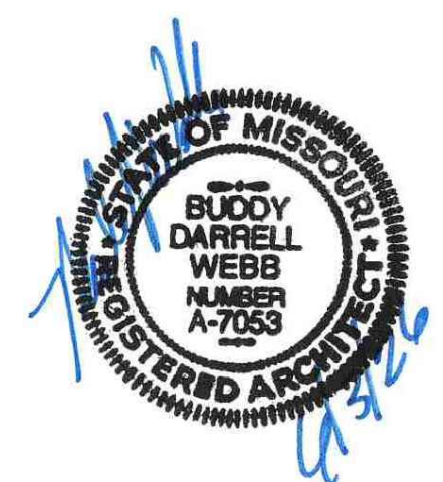
6274

ASSET NUMBER:

8136274080

BUILDING NUMBER:

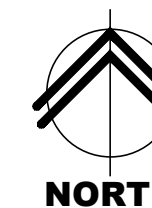
446



1
G-001

SITE LOCATION

N.T.S.



SHEET NUMBER:

G-001

1 OF 34 SHEETS
06/03/2026

SCOPE OF WORK

PROJECT MANUAL (CS) SECTION REF NUMBER	SECTION NAME REFERENCE (SECTIONS OWNER FURNISHED AND INSTALLED NOT INCLUDED IN PROJECT MANUAL - FOR REFERENCE ONLY)	FURNISHED BY CONTRACTOR	INSTALLED BY CONTRACTOR	FURNISHED BY OWNER	INSTALLED BY OWNER	CONTACT INFORMATION	
						COMPANY & ADDRESS	POINT OF CONTACT, PHONE (P), CELL (C), OR EMAIL (E)
01 11 00	SUMMARY OF WORK GENERAL BUILDING PERMIT (NOT REQUIRED) STATE DEPARTMENT OF NATURAL RESOURCES PERMIT (NOT REQUIRED)				X	STATE OF MISSOURI OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT DESIGN & CONSTRUCTION HARRY S TRUMAN STATE OFFICE BUILDING RM. 730 JEFFERSON CITY, MO 65102	JEREMY NEWTON, ENGINEERING ARCHITECTURAL PROJECT MANAGER (P): (573) 638-9500, EXT. 37484 (C): (573) 308-6894 (E): jeremy.j.newton.nfg@army.mil
01 11 00	SUMMARY OF WORK (ALL TRADE PERMITS, UTILITY IMPACT AND CONNECTION FEES, OR PERMITS AND FEES REQUIRED FOR PROJECT COMPLETION)	X				(TO BE DETERMINED)	(TO BE DETERMINED)
01 45 33	SPECIAL INSPECTIONS AND PROCEDURES (REFER TO SECTION FOR ADDITIONAL REQUIREMENTS)		X	X		PALMERTON & PARRISH, INC. 4168 WEST KEARNEY STREET SPRINGFIELD, MISSOURI 65803	SHANE RADER, PE (E): SHANERADER@PPIMO.COM PHONE: (417) 864-6000
08 71 00	DOOR HARDWARE (LOCK CORES AND KEYS - CONTRACTOR TO SUBMIT LIST OF MATERIALS REQUIRED FOR OWNER TO SUBMIT ORDER TO HARDWARE MANUFACTURER. COST OF MATERIALS AND DELIVERY BY CONTRACTOR)	X	X			STATE OF MISSOURI DEPARTMENT OF PUBLIC SAFETY MISSOURI ARMY NATIONAL GUARD CONSTRUCTION AND FACILITIES MANAGEMENT OFFICE 6819 NORTH BOUNDARY ROAD JEFFERSON CITY, MISSOURI 65101	JEREMY NEWTON, ENGINEERING ARCHITECTURAL PROJECT MANAGER (P): (573) 638-9500, EXT. 37484 (C): (573) 308-6894 (E): jeremy.j.newton.nfg@army.mil
11 20 00	COMMERCIAL EQUIPMENT (VENDING EQUIPMENT & ICE MACHINE)			X	X	(TO BE DETERMINED)	OWNER'S DESIGNATED PROJECT MANAGER
12 44 16	SHOWER CURTAINS (SHOWER CURTAINS AND HOOKS)			X	X	STATE OF MISSOURI DEPARTMENT OF PUBLIC SAFETY MISSOURI ARMY NATIONAL GUARD CONSTRUCTION AND FACILITIES MANAGEMENT OFFICE 6819 NORTH BOUNDARY ROAD JEFFERSON CITY, MISSOURI 65101	JEREMY NEWTON, ENGINEERING ARCHITECTURAL PROJECT MANAGER (P): (573) 638-9500, EXT. 37484 (C): (573) 308-6894 (E): jeremy.j.newton.nfg@army.mil
12 56 43	DORMITORY FURNITURE (BEDS, NIGHT STANDS, LOCKERS, SEATING, TABLES, RECYCLING CONTAINERS, FREE STANDING WASTE CONTAINERS)			X	X	(TO BE DETERMINED)	OWNER'S DESIGNATED PROJECT MANAGER
25 00 00	INTERGRATED AUTOMATION (ENERGY MANAGEMENT SYSTEM - HARDWARE, CONDUIT, WIRING, EQUIPMENT, CELLULAR SERVICE CONTRACT)	X	X			PELICAN WIRELESS SYSTEMS	PELICAN WIRELESS SYSTEMS SANDERS SUPPLY SPRINGDALE, ARKANSAS 72762 (479) 750-2665
25 00 00	INTEGRATED AUTOMATION (ENERGY MANAGEMENT SYSTEM - COORDINATION TO EXISTING SITE SYSTEM)			X	X	STATE OF MISSOURI DEPARTMENT OF PUBLIC SAFETY MISSOURI ARMY NATIONAL GUARD CONSTRUCTION AND FACILITIES MANAGEMENT OFFICE 6819 NORTH BOUNDARY ROAD JEFFERSON CITY, MISSOURI 65101	JEREMY NEWTON, ENGINEERING ARCHITECTURAL PROJECT MANAGER (P): (573) 638-9500, EXT. 37484 (C): (573) 308-6894 (E): jeremy.j.newton.nfg@army.mil
27 10 00	COMMUNICATIONS SYSTEMS STRUCTURED CABLING (CONDUIT, HARDWARE, WIRING, EQUIPMENT)	X	X			(TO BE DETERMINED)	OWNER'S DESIGNATED PROJECT MANAGER
27 10 00	COMMUNICATIONS SYSTEMS STRUCTURED CABLING (FIBER CABLING)			X	X	STATE OF MISSOURI DEPARTMENT OF PUBLIC SAFETY MISSOURI ARMY NATIONAL GUARD CONSTRUCTION AND FACILITIES MANAGEMENT OFFICE 6819 NORTH BOUNDARY ROAD JEFFERSON CITY, MISSOURI 65101	JEREMY NEWTON, ENGINEERING ARCHITECTURAL PROJECT MANAGER (P): (573) 638-9500, EXT. 37484 (C): (573) 308-6894 (E): jeremy.j.newton.nfg@army.mil
28 46 00	FIRE DETECTION AND ALARM (ENTIRE SYSTEM INCLUDING HARDWARE, CONDUIT, WIRING, EQUIPMENT)	X	X			(TO BE DETERMINED)	(TO BE DETERMINED)
28 46 00	FIRE DETECTION AND ALARM (REMOTE MONITORING SERVICE)			X	X	STATE OF MISSOURI DEPARTMENT OF PUBLIC SAFETY MISSOURI ARMY NATIONAL GUARD CONSTRUCTION AND FACILITIES MANAGEMENT OFFICE 6819 NORTH BOUNDARY ROAD JEFFERSON CITY, MISSOURI 65101	JEREMY NEWTON, ENGINEERING ARCHITECTURAL PROJECT MANAGER (P): (573) 638-9500, EXT. 37484 (C): (573) 308-6894 (E): jeremy.j.newton.nfg@army.mil

SCOPE OF WORK SCHEDULE NOTES:
1. CONTRACTOR TO COORDINATE WORK SCHEDULE WITH OWNER FURNISHED MATERIALS.

SHEET INDEX

SHEET NO.	SHEET NAME
G-001	COVER SHEET
G-002	SHEET INDEX / SCOPE OF WORK SCHEDULE
G-101	CODE ANALYSIS PLAN
C-101	SITE GRADING / EROSION CONTROL PLAN
C-101.1	SITE GRADING / EROSION CONTROL PLAN (ALTERNATE NO. 4)
C-102	SITE DEVELOPMENT PLAN (ALTERNATES NO. 2 & NO. 4)
C-103	SITE UTILITY PLAN (ALTERNATE NO. 2)
C-501	SITE DEVELOPMENT DETAILS
C-502	MISCELLANEOUS SITE DETAILS
S-001	STRUCTURAL NOTES
S-101	FOUNDATION PLAN
S-102	INTERIOR FRAMING PLAN
S-301	FOUNDATION DETAILS
A-101	FLOOR PLAN (ALTERNATES NO. 1 & NO. 2)
A-102	ROOF PLAN
A-201	EXTERIOR ELEVATIONS
A-301	BUILDING SECTIONS (ALTERNATE NO. 1)
A-401	WALL SECTIONS (ALTERNATE NO. 1)
A-402	WALL SECTIONS (ALTERNATE NO. 1)
A-403	WALL SECTIONS
A-404	ENLARGED PLAN, INTERIOR ELEVATIONS (ALTERNATE NO. 1)
A-501	MISCELLANEOUS DETAILS
A-601	DOOR AND WINDOW SCHEDULES (ALTERNATE NO. 1)
A-701	REFLECTED CEILING PLAN (ALTERNATE NO. 1)
I-101	INTERIOR FINISH PLAN (ALTERNATES NO. 1 & NO. 3)
SE-101	SITE ELECTRICAL PLAN (ALTERNATES NO. 2 & NO. 4)
P-101	UNDERFLOOR PLUMBING PLAN (ALTERNATE NO. 1)
P-102	PLUMBING PLAN
P-401	ENLARGED PLUMBING PLAN AND SCHEDULES (ALTERNATE NO. 1)
M-101	HVAC PLAN (ALTERNATE NO. 1)
E-101	LIGHTING PLAN (ALTERNATE NO. 1)
E-102	POWER PLAN (ALTERNATES NO. 1 & NO. 2)
E-103	FIRE ALARM SYSTEM PLAN
E-601	ELECTRICAL DETAILS AND SCHEDULES

GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) THE ARCHITECT AND ENGINEER'S RESPONSIBILITY IS ONLY FOR THE INFORMATION INCLUDED WITHIN THE CONSTRUCTION DOCUMENTS. ALL OTHER DOCUMENTS AND INSTRUMENTS REQUIRED FOR COMPLETION OF THE PROJECT SHALL BE THE RESPONSIBILITY OF OTHERS AND ARE HEREBY DISCLAIMED.
- (C) QUALITY STANDARD AND BUILDING CODE - ALL CONTRACTORS SHALL BE RESPONSIBLE FOR KNOWING THE QUALITY AND PUBLIC SAFETY REGULATIONS SET FORTH IN THE GOVERNING CODES AND OTHER APPLICABLE REGULATIONS OF LOCAL AND STATE AGENCIES HAVING JURISDICTION WHICH GOVERN EACH CONTRACTOR'S WORK.
- (D) THE ARCHITECT AND ENGINEER IS NOT RESPONSIBLE FOR FIELD ACTIVITIES ON THIS PROJECT WITHOUT DIRECT INSPECTION OF THE WORK IN PROGRESS. IF FIELD CONDITIONS ARE UNCOVERED THAT REQUIRE A CHANGE OR ADDITIONAL INFORMATION, THE ARCHITECT AND ENGINEER DOES NOT DELEGATE THEIR AUTHORITY TO ANYONE ELSE FOR DETERMINING THE MEANING OF THEIR PLANS OR SPECIFICATIONS.
- (E) FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING WORK. NOTIFY ARCHITECT AND ENGINEER IF EXISTING CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED HEREIN.

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

ARCHITECTURAL FIRM REGISTRATION NO.:
ARC 2004029847



SHEETS BEARING THIS SEAL ARE AUTHENTICATED.
RESPONSIBILITY FOR ALL OTHER PLANS,
SPECIFICATIONS OR INSTRUMENTS ARE DISCLAIMED.

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY
MISSOURI ARMY
NATIONAL GUARD

CONSTRUCT NEW
60 SOLDIER BARRACKS

CAMP CLARK
TRAINING SITE
18159 SOUTH K HIGHWAY
NEVADA, MISSOURI

PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING # 446

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T612-01-6274-8136274080-G-002
DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
**SHEET INDEX /
SCOPE OF WORK
SCHEDULE**

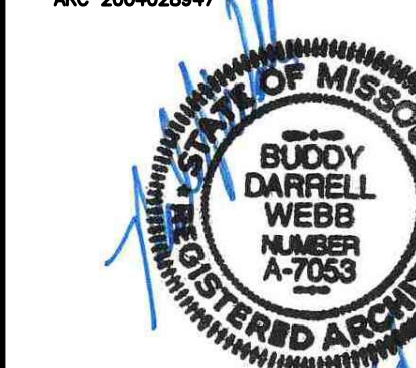
SHEET NUMBER:

G-002

2 OF 34 SHEETS
06/03/2026

ABBREVIATIONS LEGEND

AFF	ABOVE FINISHED FLOOR	INSUL	INSULATE
AC	ACOUSTICAL	INT	INTERIOR
AC	AIR CONDITIONING	JST	JOIST
ALT	ALTERNATE	JT	JOINT
AL	ALUMINUM	JNT	JOINT
ALUM	ALUMINUM	KIT	KITCHEN
AB	ANCHOR BOLT	LH	LEFT HAND
ARCH	ARCHITECT (URAL)	LF	LINEAL FOOT
BSMT	BASEMENT	LTL	LENGTH
BRG	BEARING	L	LINTEL
BM	BENCH MARK	LL	LIVE LOAD
BEI	BELOW	MACH	MACHINE
BLK	BLOCK	MH	MANHOLE
BLKG	BLOCKING	MFR	MANUFACTURER
BD	BOARD	MAS	MASONRY
BW	BOTH WAYS	MO	MASONRY OPENING
BOT	BOTTOM	MAX	MAXIMUM
BF	BOTTOM OF FOOTING	MECH	MECHANICAL
BOF	BOTTOM OF FOOTING	MED	MEDIUM
BRK	BRICK	MBR	MODIFIED BITUMEN ROOFING
BLDG	BUILDING	MET	METAL
BUR	BUILT UP ROOFING	MTL	METAL
CAB	CABINET	M	METER(S)
CLG	CEILING	MWK	MILLWORK
CL	CENTER LINE	MIN	MINIMUM
C/O	CENTER OF	MISC	MISCELLANEOUS
CC	CENTER TO CENTER	MT	MOUNTED, (ING)
CLR	CLEAR	NOM	NOMINAL
COL	COLUMN	N	NORTH
CONC	CONCRETE	NIC	NOT IN CONTRACT
CMU	CONCRETE MASONRY UNIT	NTS	NOT TO SCALE
CONST	CONSTRUCTION	OC	ON CENTER(S)
CONTR	CONTRACTOR	OPG	OPENING
CONT	CONTINUOUS	OPH	OPPOSITE HAND
CNTR	COUNTER	OD	OUTSIDE DIAMETER
CFL	COUNTER FLASHING	OO	OUT TO OUT
CISK	COUNTERSINK	OA	OVERALL
CRS	COURSES	OH	OVERHEAD
CF	CUBIC FOOT	PC	PIECE
CY	CUBIC YARD	PNT	PAINT(ED)
DL	DEAD LOAD	PTD	PAINTED
DEM	DEMOLISH, DEMOLITION	PKG	PARKING
DTL	DETAIL	PLAM	PLASTIC LAMINATE
DIAG	DIAGONAL	PL	PLATE
DIA	DIAMETER	PWD	PLYWOOD
DM	DIMENSION	PVC	POLYVINYL CHLORIDE
DR	DOOR	PSF	POUNDS PER SQUARE FT.
DS	DOWN SPOUT	PSI	POUNDS PER SQUARE IN.
D	DRAIN	PT	PRESSURE TREATED
DWG	DRAWING	PL	PROPERTY LINE
DF	DRAINING FOUNTAIN	REM	REMOVE
E	EAST	RET	RETURN
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	RH	RIGHT HAND
ELEC	ELECTRICAL	RD	ROOF DRAIN
EWC	ELECTRIC WATER COOLER	RFG	ROOFING
EL	ELEVATION	RM	ROOM
ELEV	ELEVATION	RO	ROUGH OPENING
ELEV	ELEVATOR	SNT	SEALANT
EMER	EMERGENCY	SLNT	SEALANT
EQ	EQUAL	SEC	SECTION
EXG	EXISTING	SECT	SECTION
EXIST	EXISTING	SHTGD	SHEATHING
EXP	EXPOSED	SHT	SHEET
EXT	EXTERIOR	SIM	SIMILAR
FOF	FACE OF FINISH	SC	SOLID CORE
FO	FACE OF	S	SOUTH
FOM	FACE OF MASONRY	SF	SQUARE FOOT
FOS	FACE OF STUDS	SI	SQUARE INCH
FIN	FINISHED	SY	SQUARE YARD
FFE	FINISHED FLOOR ELEV	STD	STANDARD
FFL	FINISHED FLOOR LINE	STO	STORAGE
FE	FIRE EXTINGUISHER	SUS	SUSPENDED
FEC	FIRE EXTINGUISHER CABINET	SYM	SYMMETRY, (ICAL)
FLG	FLASHING	TEL	TELEPHONE
FLR	FLOOR	TV	TELEVISION
FD	FLOOR DRAIN	THK	THICKNESS
FTG	FOOTING	T&G	TONGUE & GROOVE
FDN	FOUNDATION	TM	TOP OF MASONRY
FNDN	FOUNDATION	TOS	TOP OF STEEL
FUR	FURRETING	TW	TOP OF WALL
GA	GAGE GAUGE	TOW	TOP OF WALL
GV	GALVANIZED	TYP	TYPICAL
GALV	GALVANIZED	UNO	UNLESS OTHERWISE NOTED
GC	GENERAL CONTRACTOR	UNO	UNLESS OTHERWISE NOTED
GL	GLASS, GLAZING	VERT	VERTICAL
GP	GYPSONUM	VT	VERTICAL
GYP	GYPSONUM	WNT	WAINSCOT
GWB	GYPSONUM WALL BOARD	WSC	WAINSCOT
HTG	HEATING	WC	WATER CLOSET
HVAC	HEATING/VENTILATING/AIR COND.	WWF	WELDED WIRE FABRIC
HT	HEIGHT	W	WEST
HC	HOLLOW CORE	W	WIDTH, WIDE
HM	HOLLOW METAL	WIN	WINDOW
HK	HOOK(S)	WO	WITHOUT
HOR	HORIZONTAL	WOD	WITHOUT
HB	HOSE BIBB	WD	WOOD
INS	INSULATE(D), (ION)		



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CONSTRUCT NEW
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PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING # 446

REVISION:
DATE: _____
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DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-G-101
DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
**CODE
ANALYSIS
PLAN**

SHEET NUMBER:

G-101

3 OF 34 SHEETS
06/03/2026

BUILDING CODE

JURISDICTION: STATE OF MISSOURI
OFFICE OF ADMINISTRATION,
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN & CONSTRUCTION

CITY: NEVADA, MISSOURI
COUNTY: VERNON
ZIP CODE: 64772

GOVERNING CODES AND STANDARDS
BUILDING CODE: 2018 IBC
PLUMBING CODE: 2018 IPC
MECHANICAL CODE: 2018 IMC
ELECTRICAL CODE: 2017 NEC
FIRE CODE: 2018 IFC
FUEL / GAS CODE: 2018 IFGC
ENERGY CODE: 2018 IECC
ACCESSIBLE CODE: 2009 ICC A117.1
ACCESSIBILITY CODE: 2010 ADA

USE GROUP & CONSTRUCTION TYPE
PRIMARY USE GROUP: R-1 (RESIDENTIAL)
MIXED USE AND OCCUPANCY: SEPARATED
CONSTRUCTION TYPE: II-B (NON-COMBUSTIBLE / UNPROTECTED)

AREA MODIFICATIONS
FRONTAGE INCREASE: NOT APPLIED
AUTOMATIC SPRINKLER INCREASE: PROVIDED

ALLOWABLE BUILDING HEIGHT & AREA
HEIGHT (S): 75'-0"
NUMBER OF STORIES (S): 5 STORIES
AREA (S1): 64,000 SQ. FT.

ACTUAL BUILDING HEIGHT & AREA
HEIGHT: 16'-8"
NO. OF STORIES: 1 STORY
AREA: 7,800 SQ. FT.

FIRE PROTECTION SYSTEMS
AUTOMATIC SPRINKLER SYSTEM: REQUIRED (IBC 903.2.8)
PORTABLE FIRE EXTINGUISHERS: PROVIDED (IBC 906.1)
MANUAL FIRE ALARM: REQUIRED (IBC 907.2.8.1)
AUTOMATIC SMOKE DETECTION: REQUIRED (IBC 907.2.8.2)

STRUCTURAL DESIGN
(REFER TO STRUCTURAL DRAWINGS)

- ROOF LIVE LOAD: 20.0 PSF
- ROOF DEAD LOAD: SEE PEMB
- ROOF COLLATERAL LOADS: 4.0 PSF
 - A. ARCHITECTURAL/MECHANICAL
 - B. SPRINKLER SYSTEM
- SNOW LOADS: 1.0 PSF
 - UNIFORM BRANCH PIPES: 25.0 PLF
 - LINEAL LOOP / TEE MAIN PIPE ZONE:
- WIND LOADS:
 - BASIC WIND SPEED: $V_{10} = 109$ MPH
 - $V_{30} = 84.4$ MPH
 - EXPOSURE: C
 - INTERNAL PRESSURE (GCPI): ±0.18
- SEISMIC:
 - Ss: 0.116
 - S1: 0.077
 - Sds: 0.101
 - Sd1: 0.077
 - IMPORTANCE FACTOR (Ie): 1.0
 - SITE CLASS: C
 - DESIGN CATEGORY: B

COMMERCIAL ENERGY EFFICIENCY CODE
COMPLIANCE WITH BUILDING ENERGY EFFICIENCY REQUIREMENTS BASED UPON APPLICABLE ENERGY CODE (PERFORMANCE METHOD).
REFER TO PROJECT MANUAL.

GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) REFER TO PLANS, SECTIONS, AND DETAILS FOR CONSTRUCTION OF FIRE RATED ASSEMBLIES. WHERE UNDERWRITERS LABORATORY (UL) TEST NUMBERS ARE REFERENCED, CONTRACTOR SHALL PROVIDE CONSTRUCTION MATERIALS, MEANS AND METHODS TO COMPLY WITH TESTED ASSEMBLY.
- (C) REFER TO FIRE ALARM, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- (D) OWNER FURNISHED AND INSTALLED FURNISHINGS AND FIXTURES SHOWN FOR REFERENCE ONLY.
- (E) CONTRACTOR TO PROVIDE PORTABLE FIRE EXTINGUISHERS DURING CONSTRUCTION AS REQUIRED TO PROTECT THE WORK AREA AND EACH STORAGE UNIT AND JOB TRAILER PER THE FIRE CODE.
- (F) CONTRACTOR TO SUBMIT FIRE SPRINKLER SYSTEM ENGINEERING SUBMITTALS FOR REVIEW AND APPROVAL.
- (G) SURFACE MOUNTED PORTABLE FIRE EXTINGUISHERS SHALL BE UL LISTED ABC TYPE, WITH 10 LBS. CAPACITY.
- (H) EXIT DISCHARGE DOORS, PROVIDE TACTILE EXIT SIGNS STATING "EXIT" WITH BRAILLE LETTERING. SIGN AND MOUNTING TO COMPLY WITH ANSI A117.1. REFER TO FLOOR PLAN FOR LOCATIONS.

SPECIAL INSPECTIONS

- NOTES:
- REFER TO PROJECT MANUAL - SECTION 01 45 33 SPECIAL INSPECTIONS AND PROCEDURES FOR REQUIREMENTS.
 - THE OWNER SHALL PROVIDE THE SERVICES OF AN INDEPENDENT TESTING LABORATORY TO PERFORM TESTING AND SPECIAL INSPECTIONS UNLESS OTHERWISE INDICATED.

SYMBOLS LEGEND

- R-1** PRIMARY USE GROUP: (RESIDENTIAL)
- II-B** CONSTRUCTION TYPE: (NON-COMBUSTIBLE/UNPROTECTED)
- 325 SF ROOM SQUARE FOOTAGE:
- 38' 240" DESIGN OCCUPANT LOAD SERVED BY EXIT: MAXIMUM ALLOWABLE CAPACITY: (EXAMPLE: 36"/0.15 = 240)
- (N) OCCUPANT LOAD SERVED BY EXIT BUT NOT COUNTED IN TOTAL OCCUPANT LOAD:
- (1/2) HOUR FIRE RATED ASSEMBLY EXTENDS UP TO DECK, FIRE SEAL COMPLETELY.
- (1) HOUR FIRE RATED ASSEMBLY EXTENDS UP TO DECK, FIRE SEAL COMPLETELY.
- (XX) ROOM OCCUPANT LOAD AT 15 SQ. FT. NET PER PERSON:
- (XX) ROOM OCCUPANT LOAD AT 20 SQ. FT. NET PER PERSON:
- (XX) ROOM OCCUPANT LOAD AT 50 SQ. FT. GROSS PER PERSON:
- (XX) ROOM OCCUPANT LOAD AT 300 SQ. FT. GROSS PER PERSON:
- FDC FIRE DEPARTMENT CONNECTION
- FACP FIRE ALARM CONTROL PANEL
- F FIRE ALARM PULL STATION
- V FIRE VISUAL ALARM
- AV FIRE ALARM AUDIO / VISUAL DEVICE
- SD SMOKE DETECTOR
- EMERGENCY EXIT LIGHTING
- EMERGENCY LIGHTING
- FE FIRE EXTINGUISHER (SURFACE MOUNTED WITH BRACKET)
- EXIT ACCESS TRAVEL DISTANCE (LENGTH IN FEET)
- ACCESSIBLE CLEAR FLOOR AREA

PLUMBING FIXTURE SUMMARY

GENERAL
IPC TABLE 403.1
PRIMARY OCCUPANCY: R-1 (RESIDENTIAL)
TOTAL OCCUPANCY: 127

MINIMUM PLUMBING FACILITIES REQUIRED BY OCCUPANCY PER SEX
CALCULATED BY RATIO BASED UPON ACTUAL USE (IPC 403.1):
FEMALE: 8 / 127 = 0.06
MALE: 119 / 127 = 0.94

PLUMBING FIXTURES
WATER CLOSETS (URINALS): 1 PER 100
REQUIRED FOR FEMALE: 8 / 10 = 1
PROVIDED FOR FEMALE: 1
REQUIRED FOR MALE: 119 / 10 = 12
PROVIDED FOR MALE: 12

LAVATORIES: 1 PER 100
REQUIRED FOR FEMALE: 8 / 10 = 1
PROVIDED FOR FEMALE: 1
REQUIRED FOR MALE: 119 / 10 = 12
PROVIDED FOR MALE: 12

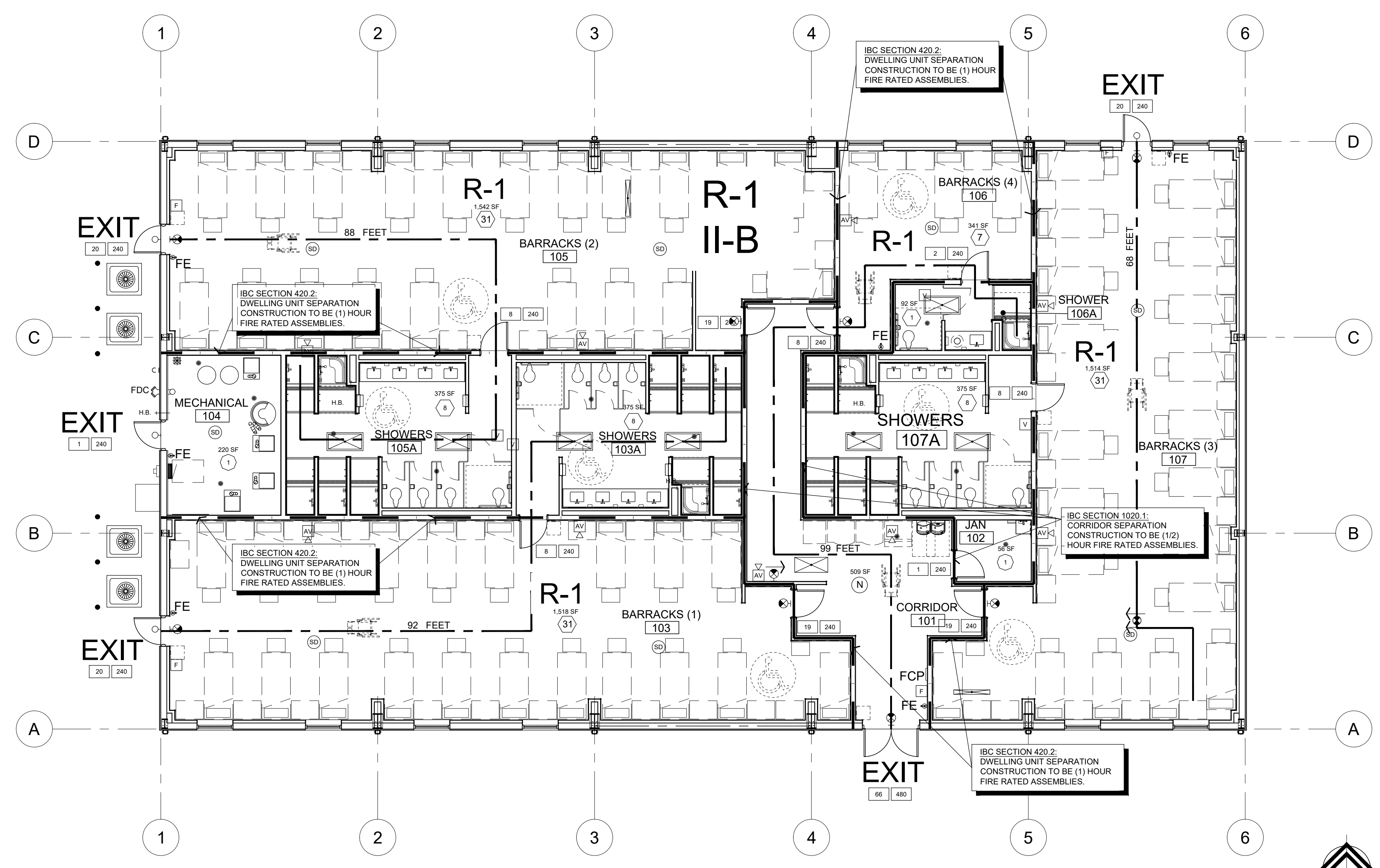
SHOWERS: 8 / 8 = 1
REQUIRED FOR FEMALE: 1
PROVIDED FOR FEMALE: 1
REQUIRED FOR MALE: 119 / 8 = 15
PROVIDED FOR MALE: 15

DRINKING FOUNTAINS: 1 PER 100
REQUIRED: 127 / 100 = 2
PROVIDED: 2

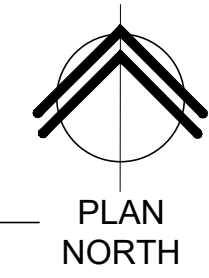
SERVICE SINK REQUIRED: 1
SERVICE SINK PROVIDED: 1

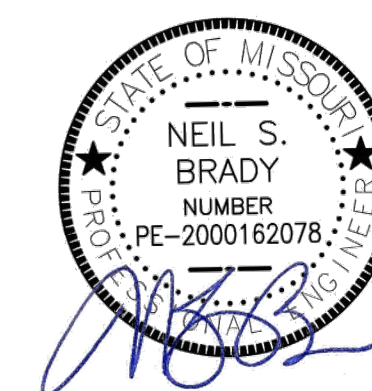
OCCUPANCY LOAD SUMMARY

ROOM OR AREA (REFER TO FLOOR PLAN)	AREA PER OCCUPANT(S.F.)	OCCUPANTS (QTY.)
101 - CORRIDOR	0	0
102 - JANITOR	300	1
103 - BARRACKS (1)	50	31
103A - SHOWERS	50	8
104 - MECHANICAL	300	1
105 - BARRACKS (2)	50	31
105A - SHOWERS	50	7
106 - BARRACKS (4)	50	7
106A - SHOWERS	50	1
107 - BARRACKS (3)	50	31
107A - SHOWERS	50	8
TOTAL OCCUPANCY		127



1 CODE ANALYSIS PLAN
G-101 1/8" = 1'-0"





SHEETS BEARING THIS SEAL ARE AUTHENTICATED. RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS OR INSTRUMENTS ARE DISCLAIMED.

Bartlett & West
1624 S. LONE PINE, SUITE F, SPRINGFIELD, MISSOURI 65804
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
www.bartlettwest.com

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY
MISSOURI ARMY
NATIONAL GUARD

CONSTRUCT NEW
60 SOLDIER BARRACKS

CAMP CLARK
TRAINING SITE
18159 SOUTH K HIGHWAY
NEVADA, MISSOURI

PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING # 446

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-C-101
DRAWN BY: JAC
CHECKED BY: NSB
DESIGNED BY: JAC-NSB

SHEET TITLE:
SITE GRADING &
EROSION CONTROL
PLAN

SHEET NUMBER:

C-101

4 OF 34 SHEETS
06/03/2026

GENERAL NOTES

- REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS
- CONTRACTOR TO FIELD VERIFY SANITARY SEWER SERVICE CONNECTION INVERT ELEVATION PRIOR TO COMMENCING EARTHWORK TO SET BUILDING FINISH FLOOR ELEVATION AND REPORT ANY DISCREPANCY FROM ELEVATIONS SHOWN TO ENGINEER.
- COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS
- HANDICAP ACCESSIBLE PARKING AREAS TO SLOPE 2% MAXIMUM IN ALL DIRECTIONS. DESIGNATED ACCESSIBLE ROUTES TO SLOPE 5% MAXIMUM IN DIRECTION OF TRAFFIC WITH A 2% MAXIMUM CROSS SLOPE.
- REFER TO SHEET C-502 FOR EROSION CONTROL AND MAINTENANCE PLAN NOTES

KEY NOTES

- CONSTRUCTION ENTRANCE, REFER TO DETAIL ON C-502.
- SILT FENCE, REFER TO DETAIL ON C-502.
- DITCH CHECKS, REFER TO DETAIL ON C-502.
- 10' X 9' RIPRAP PAD, REFER TO DETAIL ON C-502.
- INSTALL 159 LF (EACH LOCATION) OF 8" DOWNSPOUT COLLECTION SYSTEM AT MIN. 1% SLOPE, REFER TO DETAIL ON C-502.

SITE EXCAVATION REQUIREMENTS

- A GEOTECHNICAL INVESTIGATION WAS CONDUCTED WITHIN THIS DEVELOPMENT. A GEOTECHNICAL INVESTIGATION REPORT WAS ISSUED FEBRUARY 23, 2026, PALMERTON & PARRISH, INC. PROJECT NUMBER 26-0158. THIS GEOTECHNICAL INVESTIGATION REPORT SHOULD BE CONSIDERED AN INTEGRAL PART OF THESE CONTRACT DOCUMENTS. CONTRACTORS WILL BE RESPONSIBLE FOR OBTAINING, REVIEWING, AND UNDERSTANDING THE GEOTECHNICAL INVESTIGATION REPORT. CONTRACTORS WILL BE EXPECTED TO FOLLOW THE RECOMMENDATIONS MADE WITHIN THE GEOTECHNICAL INVESTIGATION REPORT AND THE NOTES AND DETAILS OF THE DRAWINGS, WHICHEVER IS MOST STRINGENT.
- IF MORE THAN ONE ACRE IS BEING DISTURBED THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING A LAND DISTURBANCE PERMIT FROM THE MISSOURI DEPARTMENT OF NATURAL RESOURCES. REFER TO SECTION 01 57 00 OF THE SPECIFICATIONS.
- MASS EARTH EXCAVATION (CUT) QUANTITIES:
BASE BID = 237 CY

MASS BACKFILL (FILL VMF 15%) QUANTITIES:
BASE BID = 646 CY

EXCAVATION HAULING AND DISPOSAL QUANTITIES (NET):
BASE BID = 409 CY OF FILL

SYMBOLS LEGEND

- NEW BUILDING CONSTRUCTION
- NEW AREA OF CONCRETE SIDEWALK
5" CONCRETE ON 4" AGGREGATE BASE
- NEW DRIVE GRAVEL AREA (ALTERNATE NO. 4)
- NEW AREA OF CONCRETE PAVING - ACCESSIBLE
PARKING AREA (BASE BID)
7" CONCRETE ON 4" AGGREGATE BASE
- BORING LOCATION - REFER TO GEOTECHNICAL
INVESTIGATION
- DITCH CHECK
- SILT FENCE
- DITCH FLOW LINE
- TS = TOP OF SIDEWALK
- FG = FINISHED GRADE
- DT = BOTTOM OF DITCH
- ME = MATCH EXISTING

CAUTION
ANY INFORMATION ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

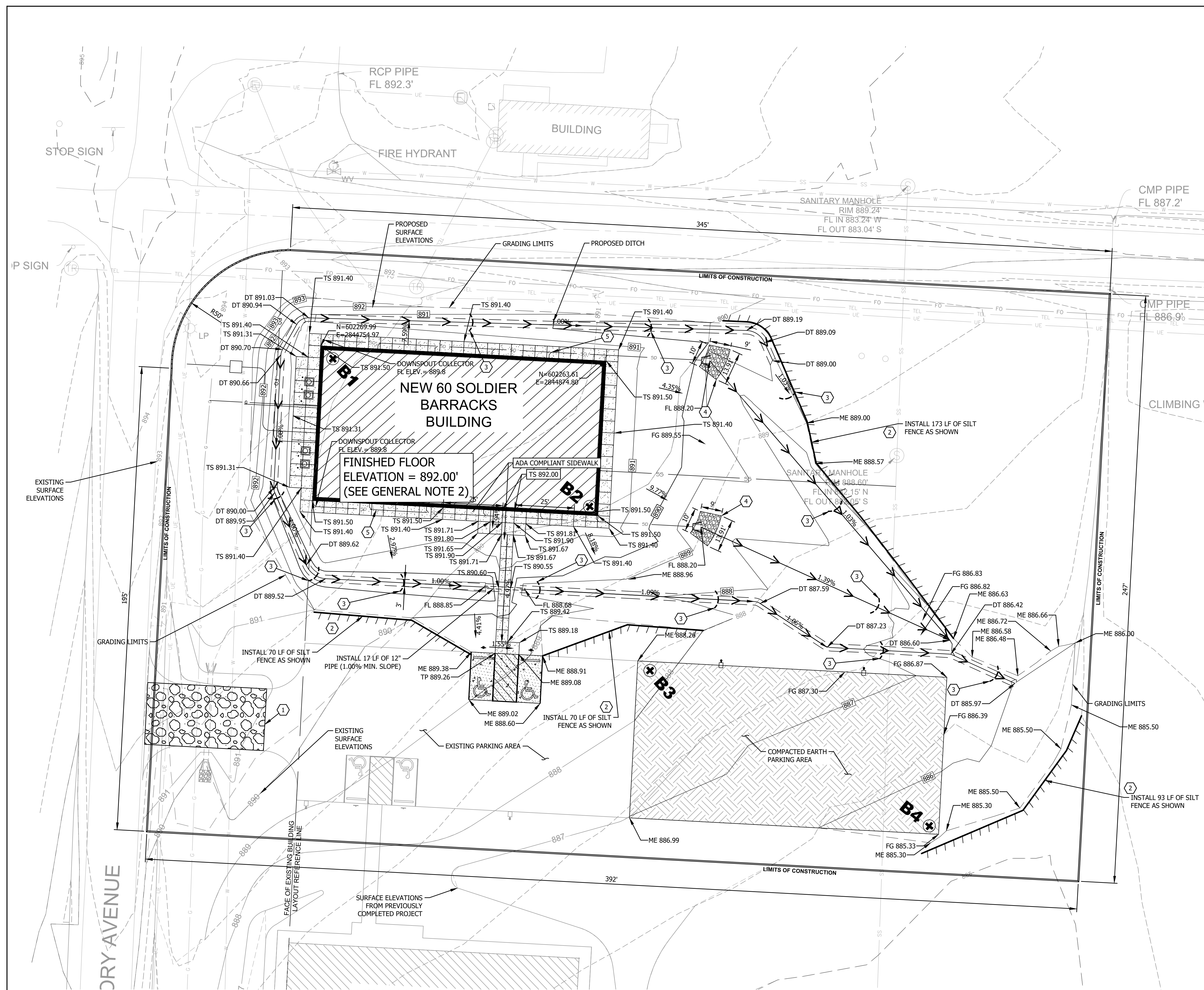


**Know what's below.
Call before you dig.**

CONSTRUCTION DOCUMENT PHASE SUBMITTAL



PLAN
NORTH



1 SITE GRADING AND EROSION CONTROL PLAN

C-101 1" = 20'-0"



SHEETS BEARING THIS SEAL ARE AUTHENTICATED.
RESPONSIBILITY FOR ALL OTHER PLANS,
SPECIFICATIONS OR INSTRUMENTS ARE DISCLAIMED.

Bartlett & West

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CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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NATIONAL GUARD

CONSTRUCT NEW
60 SOLDIER BARRACKS

CAMP CLARK
TRAINING SITE
18159 SOUTH K HIGHWAY
NEVADA, MISSOURI

PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING # 446

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-C-101.1
DRAWN BY: JAC
CHECKED BY: NSB
DESIGNED BY: JAC-NSB

SHEET TITLE:
SITE GRADING &
EROSION CONTROL
(ALTERNATE NO. 4)

SHEET NUMBER:

C-101.1

5 OF 34 SHEETS
06/03/2026

GENERAL NOTES

- REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS
- CONTRACTOR TO FIELD VERIFY SANITARY SEWER SERVICE CONNECTION INVERT ELEVATION PRIOR TO COMMENCING EARTHWORK TO SET BUILDING FINISH FLOOR ELEVATION AND REPORT ANY DISCREPANCY FROM ELEVATIONS SHOWN TO ENGINEER.
- COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS
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- REFER TO SHEET C-502 FOR EROSION CONTROL AND MAINTENANCE PLAN NOTES

KEY NOTES

- CONSTRUCTION ENTRANCE, REFER TO DETAIL ON C-502.
- SILT FENCE, REFER TO DETAIL ON C-502.
- DITCH CHECKS, REFER TO DETAIL ON C-502.
- 10' X 9' RIPRAP PAD, REFER TO DETAIL ON C-502.
- INSTALL 159 LF (EACH LOCATION) OF 8" DOWNSPOUT COLLECTION SYSTEM AT MIN. 1% SLOPE, REFER TO DETAIL ON C-502.

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- IF MORE THAN ONE ACRE IS BEING DISTURBED THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING A LAND DISTURBANCE PERMIT FROM THE MISSOURI DEPARTMENT OF NATURAL RESOURCES. REFER TO SECTION 01 57 00 OF THE SPECIFICATIONS.
- MASS EARTH EXCAVATION (CUT) QUANTITIES: (ALTERNATE NO. 4)
BASE BID = 396 CY
MASS BACKFILL (FILL VMF 15%) QUANTITIES: (ALTERNATE NO. 4)
BASE BID = 646 CY
EXCAVATION HAULING AND DISPOSAL QUANTITIES (NET)
(ALTERNATE NO. 4)
BASE BID = 250 CY OF FILL

SYMBOLS LEGEND

- NEW BUILDING CONSTRUCTION
- NEW AREA OF CONCRETE SIDEWALK
5" CONCRETE ON 4" AGGREGATE BASE
- 6" GRAVEL ON 6" COMPACTED SUBGRADE NEW DRIVE
(ALTERNATE NO. 4)
- NEW AREA OF CONCRETE PAVING - ACCESSIBLE
PARKING AREA (BASE BID)
7" CONCRETE ON 4" AGGREGATE BASE
- BORING LOCATION - REFER TO GEOTECHNICAL
INVESTIGATION
- DITCH CHECK
- SILT FENCE
- DITCH FLOW LINE
- TS = TOP OF SIDEWALK
FG = FINISHED GRADE
FL = FLOWLINE
DT = BOTTOM OF DITCH
ME = MATCH EXISTING

CAUTION
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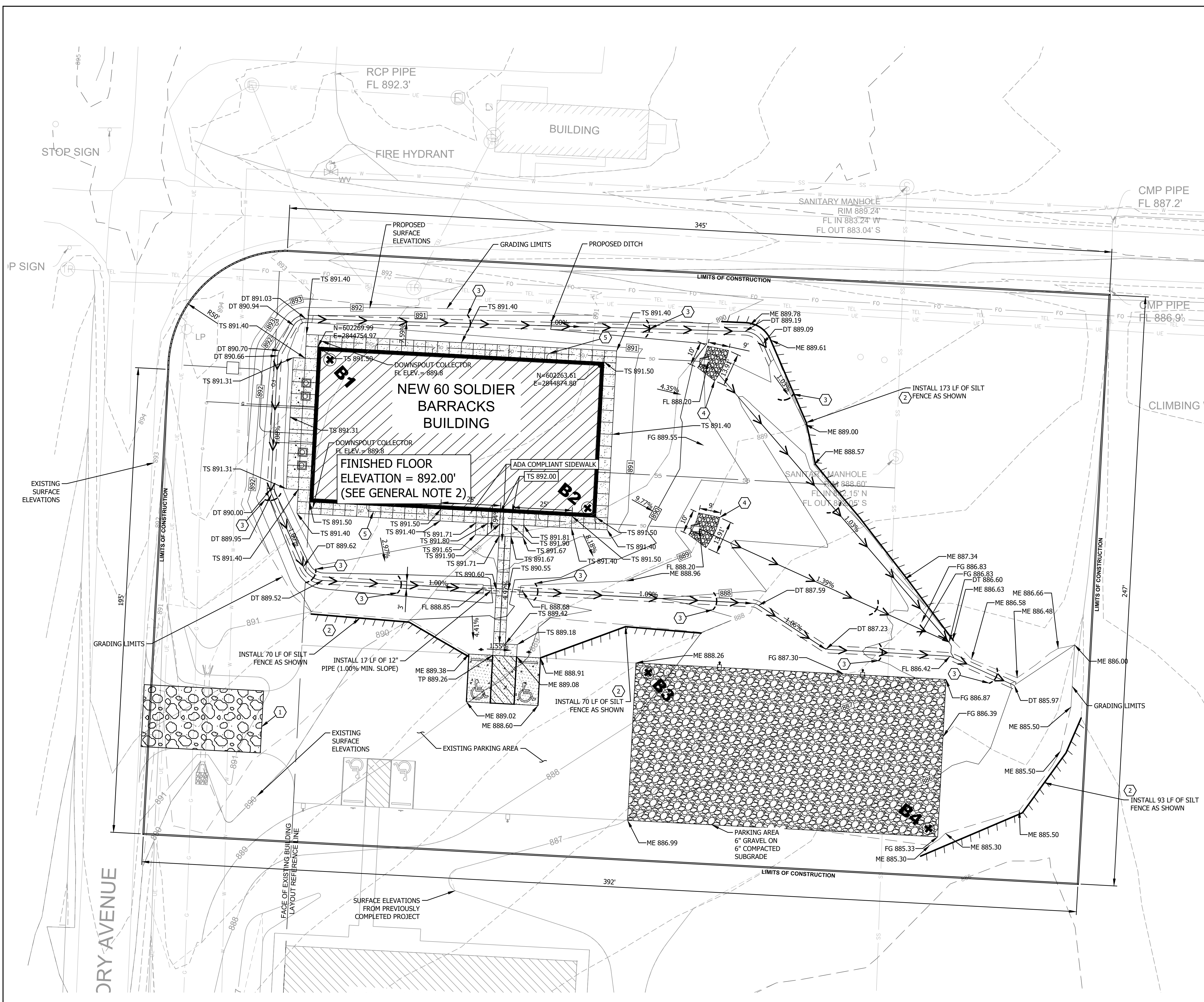


**Know what's below.
Call before you dig.**

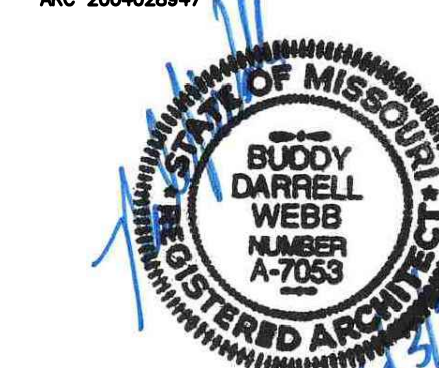
CONSTRUCTION DOCUMENT PHASE SUBMITTAL



PLAN
NORTH



1 SITE GRADING AND EROSION CONTROL PLAN (ALTERNATE NO. 4)
C-101.1 1" = 20'-0"



SHEETS BEARING THIS SEAL ARE AUTHENTICATED.
RESPONSIBILITY FOR ALL OTHER PLANS,
SPECIFICATIONS OR INSTRUMENTS ARE DISCLAIMED.

Buddy Webb & Company, Inc.
Architects - Consultants
3057 EAST CAIRO
SPRINGFIELD, MISSOURI 65802
(417) 877-1385 TELEPHONE

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
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DEPARTMENT OF
PUBLIC SAFETY
MISSOURI ARMY
NATIONAL GUARD

CONSTRUCT NEW
60 SOLDIER BARRACKS

CAMP CLARK
TRAINING SITE
18159 SOUTH K HIGHWAY
NEVADA, MISSOURI

PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING # 446

REVISION: DSI NUMBER 1
DATE: 09/XX/2021
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-C-102
DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
SITE DEVELOPMENT
PLAN (ALTERNATES
NO. 2 & NO. 4)

SHEET NUMBER:

C-102

6 OF 34 SHEETS
06/03/2026

GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) SITE CONDITIONS BASED UPON ARCHIVED DOCUMENTS. FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING CONSTRUCTION. NOTIFY ARCHITECT IF EXISTING CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED HEREIN.
- (C) SITE DIMENSIONS TO FACE OF CONCRETE FOUNDATION, SIDEWALK, CURB GUTTER LINE, PROPERTY LINE, OR CENTER LINE OF STRIPING UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING LAYOUT DIMENSIONS.
- (D) ALL DEMOLITION MATERIALS SHALL BECOME PROPERTY OF CONTRACTOR FOR PROPER DISPOSAL UNLESS OTHERWISE NOTED.
- (E) EXISTING CONSTRUCTION TO REMAIN TO BE PROTECTED AS REQUIRED. REPLACE AND/OR REPAIR EXISTING CONSTRUCTION DAMAGED DUE TO CONTRACTOR ACTIVITIES.
- (F) COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.
- (G) CONTRACTOR TO COORDINATE AND SCHEDULE DESIGNATED PARKING AND STAGING AREAS WITH OWNER.
- (H) REFER TO CIVIL SITE GRADING PLAN FOR SLOPE REQUIREMENTS.

KEY NOTES

- (1) (BASE BID) EXPOSED COMPACTED SUBGRADE. (ALTERNATE NO. 4) VEHICLE GRAVEL OVER COMPACTED SUBGRADE. REFER TO DETAIL 11C-501.
- (2) NEW CONCRETE PAVEMENT. REFER TO DETAIL 2C-501. ACCESSIBLE PARKING SPACE WITH ACCESS AISLE (ADA COMPLIANT) TO SLOPE 2% MAXIMUM IN ALL DIRECTIONS.
- (3) CONCRETE SIDEWALK. REFER TO DETAIL 3C-501. PROVIDE #3 X 1'-6" DOWELS AT 24" O.C. EXTENDING 6" MINIMUM INTO EXISTING FOUNDATION OR EXISTING SIDEWALK WITH EPOXY.
- (4) ACCESSIBLE PARKING PAVEMENT STRIPPING SYMBOL. REFER TO DETAIL 4C-501. ALIGN WITH END OF PARKING SPACE.
- (5) ACCESSIBLE PARKING SIGN. REFER TO DETAIL 5C-501.
- (6) STEEL BOLLARD. REFER TO DETAIL 6C-501. INSTALL AT 5'-0" O.C. AT MECHANICAL CONDENSING UNITS (6 TOTAL).
- (7) CONCRETE SLAB WITH TURN DOWN PERIMETER EDGE AT UTILITY SUPPORT PAD. REFER TO DETAIL 7C-501.
- (8) 4" WIDE PAVEMENT STRIPING AS SHOWN USING HIGHWAY MARKING PAINT - WHITE (2 COATS).
- (9) CONCRETE BUMPER BLOCK (8" W X 5" H X 6'-0" LONG) ANCHORED TO PAVING WITH (2) 1'-6" LONG #4 REBAR.
- (10) GROUND MOUNTED ELECTRICAL TRANSFORMER. REFER TO SITE UTILITY PLAN AND SITE ELECTRICAL DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS. COORDINATE INSTALLATION WITH LOCAL UTILITY COMPANY REQUIREMENTS. NOTIFY ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS WITH CONSTRUCTION DOCUMENTS AND LOCAL REQUIREMENTS.
- (11) (ALTERNATE NO. 4) PARKING LOT LIGHTING ON POLE. REFER TO ELECTRICAL DRAWINGS FOR TYPE AND CONSTRUCTION.
- (12) REINFORCED CONCRETE FLARED END SECTION. REFER TO GRADING PLAN.
- (13) UNDERGROUND DOWNSPOUT COLLECTION SYSTEM. REFER TO SITE GRADING PLAN AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- (14) GRAVEL RIP-RAP. REFER TO GRADING PLAN.
- (15) EXISTING GRAVEL DRIVE TO REMAIN.
- (16) EXISTING CONCRETE HANDICAP PARKING AREA TO REMAIN.
- (17) ELECTRICAL MANUAL TRANSFER SWITCH (ALTERNATE NO. 2). REFER TO ELECTRICAL DRAWINGS AND PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

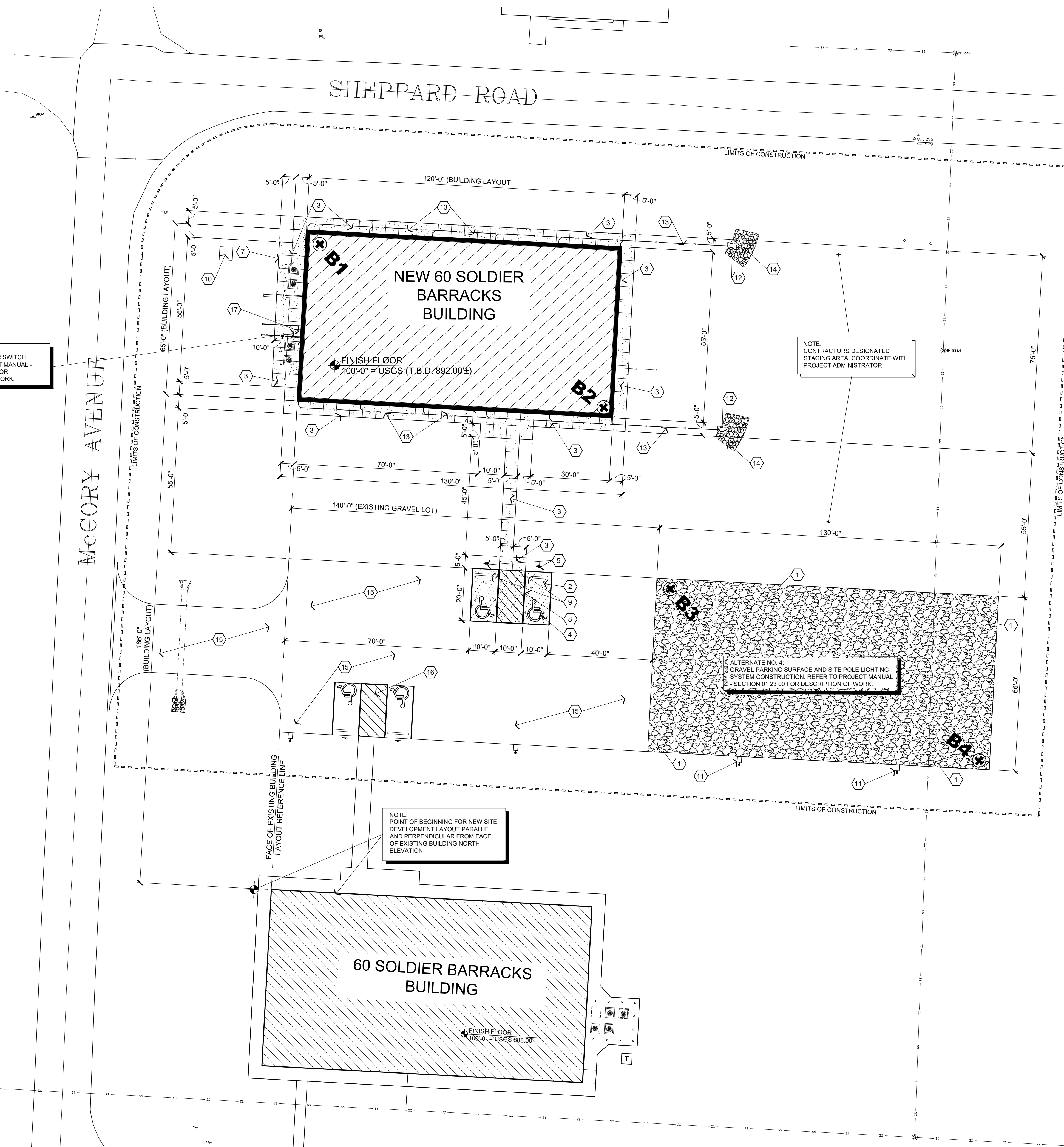
SYMBOLS LEGEND

- NEW BUILDING CONSTRUCTION
- NEW AREA OF CONCRETE PAVING
- NEW AREA OF CONCRETE SIDEWALK
- NEW DRIVE GRAVEL AREA
- NEW AREA OF CONCRETE PAVING - ACCESSIBLE PARKING AREA (BASE BID)
- BORING LOCATION - REFER TO GEOTECHNICAL INVESTIGATION

CAUTION:
INFORMATION ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.



Know what's below
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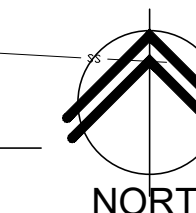


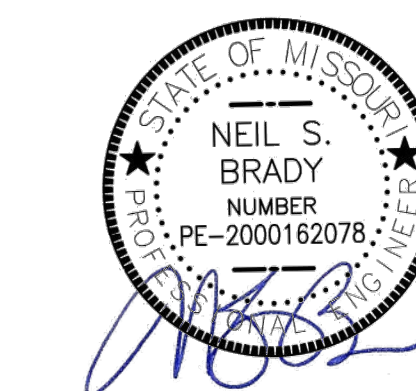
ALTERNATE NO. 2:
MANUAL TRANSFER SWITCH.
REFER TO PROJECT MANUAL -
SECTION 01 23 00 FOR
DESCRIPTION OF WORK.

NOTE:
CONTRACTORS DESIGNATED
STAGING AREA. COORDINATE WITH
PROJECT ADMINISTRATOR.

ALTERNATE NO. 4:
GRAVEL PARKING SURFACE AND SITE POLE LIGHTING
SYSTEM CONSTRUCTION. REFER TO PROJECT MANUAL -
SECTION 01 23 00 FOR DESCRIPTION OF WORK.

NOTE:
POINT OF BEGINNING FOR NEW SITE
DEVELOPMENT LAYOUT PARALLEL
AND PERPENDICULAR FROM FACE
OF EXISTING BUILDING NORTH
ELEVATION





SHEETS BEARING THIS SEAL ARE AUTHENTICATED.
RESPONSIBILITY FOR ALL OTHER PLANS,
SPECIFICATIONS OR INSTRUMENTS ARE DISCLAIMED.

Bartlett & West
1624 S. LONE PINE, SUITE F, SPRINGFIELD, MO 65804
CERTIFICATE OF AUTHORITY NO. 000167 - ENGINEERING
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18159 SOUTH K HIGHWAY
NEVADA, MISSOURI

PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING # 446

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-C-103
DRAWN BY: JAC
CHECKED BY: NSB
DESIGNED BY: JAC-NSB

SHEET TITLE:
SITE
UTILITY
PLAN

SHEET NUMBER:

C-103

7 OF 34 SHEETS
06/03/2026

GENERAL NOTES

- REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR TO FIELD VERIFY SANITARY SEWER SERVICE CONNECTION INVERT ELEVATION PRIOR TO COMMENCING EARTHWORK TO SET BUILDING FINISH FLOOR ELEVATION AND REPORT ANY DISCREPANCY FROM ELEVATIONS SHOWN TO ENGINEER.
- COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.
- REFER TO SHEET C-502 FOR UTILITY DETAILS.
- CONTRACTOR TO COORDINATE ALL UTILITY SERVICE CONNECTIONS TO MAINS WITH RESPECTIVE UTILITY OWNERS AND PAY ALL ASSOCIATED FEES.

UTILITY CONTACTS

WATER:
CONSOLIDATED PUBLIC WATER SUPPLY DISTRICT #1
3414 E. AUSTIN BLVD, NEVADA, MO 64772
P: (417) 667-8512

ELECTRIC:
EVERGY
720 E. YOUNG ST., WARRENSBURG, MO 64093
CONTACT: PAUL KREHER, PE
P: (660) 442-6733

GAS:
LIBERTY UTILITIES
3400 S. KODIAK ROAD, JOPLIN, MO 64804
CONTACT: KATIE MATTHEWS
P: (417) 625-5100

FIBER OPTIC:
MISSOURI NATIONAL GUARD

UTILITY NOTES

- THE CONTRACTOR IS OBLIGATED TO INSPECT FOR EXISTING CONDITIONS/INSTALLATIONS AND AVAILABLE INFORMATION PRIOR TO SUBMITTING A BID. REFER TO SPECIFICATION ALSO.
- EXISTING INSTALLATIONS (SUCH AS WATER MAINS/LINES, GAS MAINS/LINES, SEWER MAINS/LINES, TELEPHONE LINES, POWER LINES, AND UTILITY STRUCTURES IN THE VICINITY OF THE WORK TO BE DONE) ARE INDICATED ON THE DRAWINGS ONLY TO THE EXTENT THAT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE ENGINEER IN PREPARING THE DRAWINGS. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION, AND ALL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS THEREOF IS EXPRESSLY DISCLAIMED.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING ALL EXISTING INSTALLATIONS.
- ANY DELAY, ADDITIONAL WORK, FEES OR EXTRA COST TO THE CONTRACTOR CAUSED BY OR RESULTING FROM DAMAGE TO OR THE MODIFICATION OF EXISTING INSTALLATIONS BY THE CONTRACTOR OR AFFECTED UTILITY COMPANY SHALL NOT CONSTITUTE A CLAIM FOR EXTRA WORK, ADDITIONAL PAYMENT OR DAMAGES.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING HIS BID. NO EXTRAS WILL BE PAID FOR UNANTICIPATED EXISTING CONDITIONS/INSTALLATIONS.

SPECIAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR ALL PUBLIC UTILITY CONNECTIONS (ELECTRIC, WATER, GAS, SEPTIC, SEWER) AS WELL AS PROVIDING ALL INFRASTRUCTURE REQUIRED BY UTILITY COMPANIES.
- ANY BELOW-GRADE UTILITIES ENTERING THE BUILDING SHOULD HAVE CLAY STOPS PLACED AROUND THE UTILITY TO REDUCE WATER IN THE UTILITY TRENCH BACKFILL FROM ENTERING BELOW THE FOOTING AND/OR SLAB CAUSING SWELLING.

CAUTION
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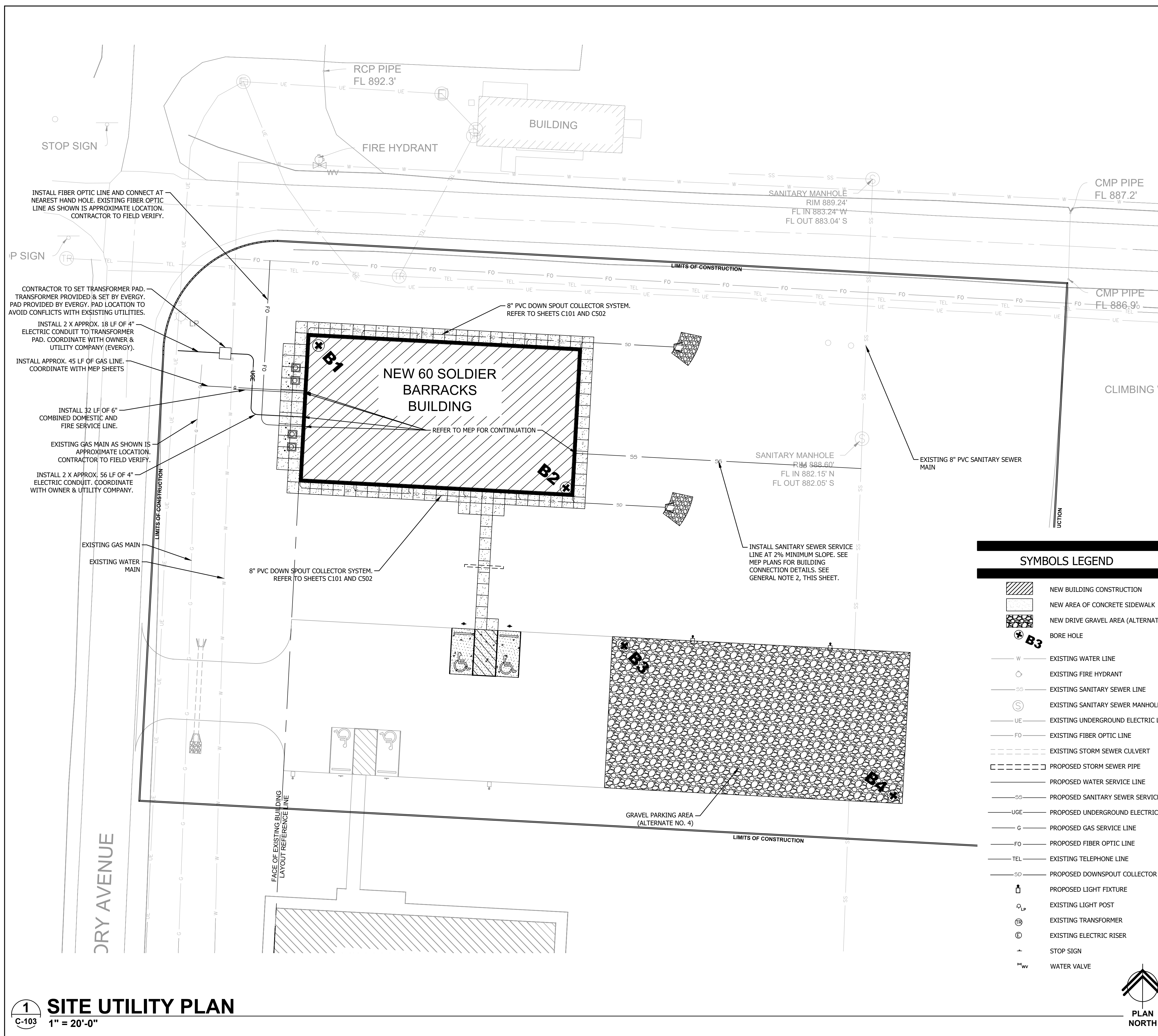
CAUTION
BEFORE STARTING ANY BUILDING PAD GRADING AND PLUMBING WORK THE CONTRACTOR SHALL FIELD VERIFY LOCATION, MATERIAL, CONDITION, ACCESSIBILITY (INCLUDING STATE HIGHWAY OR OTHER RIGHTS-OF-WAY) AND WORKABLE FLOW LINE ELEVATION OF THE EXISTING SANITARY SEWER SERVICE LINE OR MAIN.

IF A WORKABLE FLOW LINE HAS NOT BEEN ESTABLISHED AT THE TIME OF FINAL SANITARY SEWER SERVICE CONNECTION, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXPENSES ASSOCIATED WITH THE INSTALLATION OF A NEW GRINDER PUMP SYSTEM TO MEET OWNER AND LOCAL REQUIREMENTS.

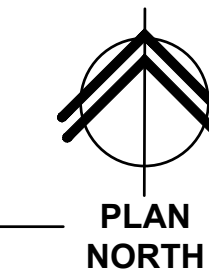


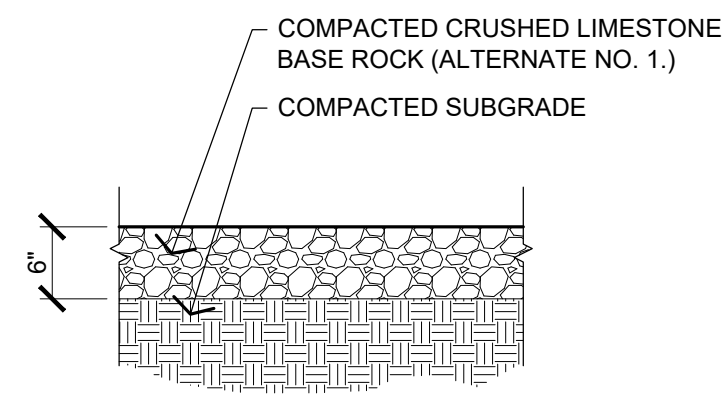
**Know what's below.
Call before you dig.**

CONSTRUCTION DOCUMENT PHASE SUBMITTAL



1 SITE UTILITY PLAN
C-103 1" = 20'-0"

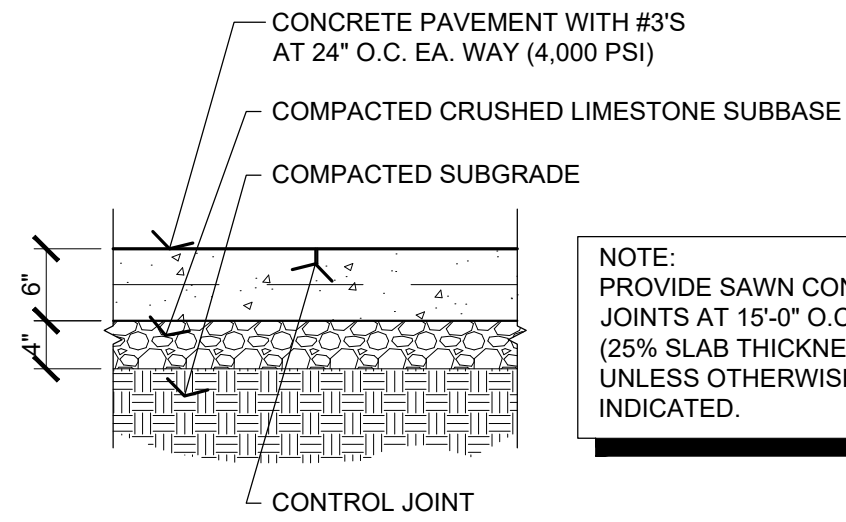




1 VEHICLE GRAVEL AREAS SECTION

3/4" = 1'-0"

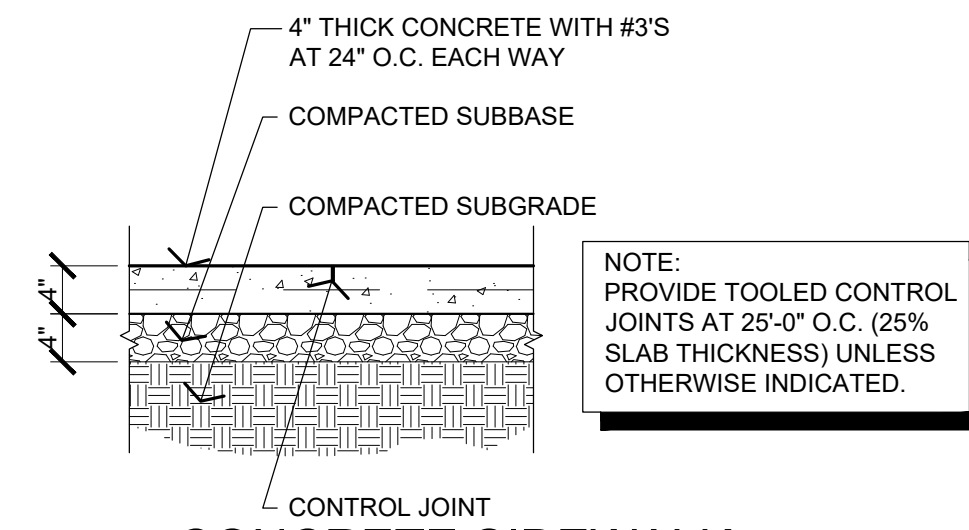
1
C-501



2 CONCRETE PAVING SECTION

3/4" = 1'-0"

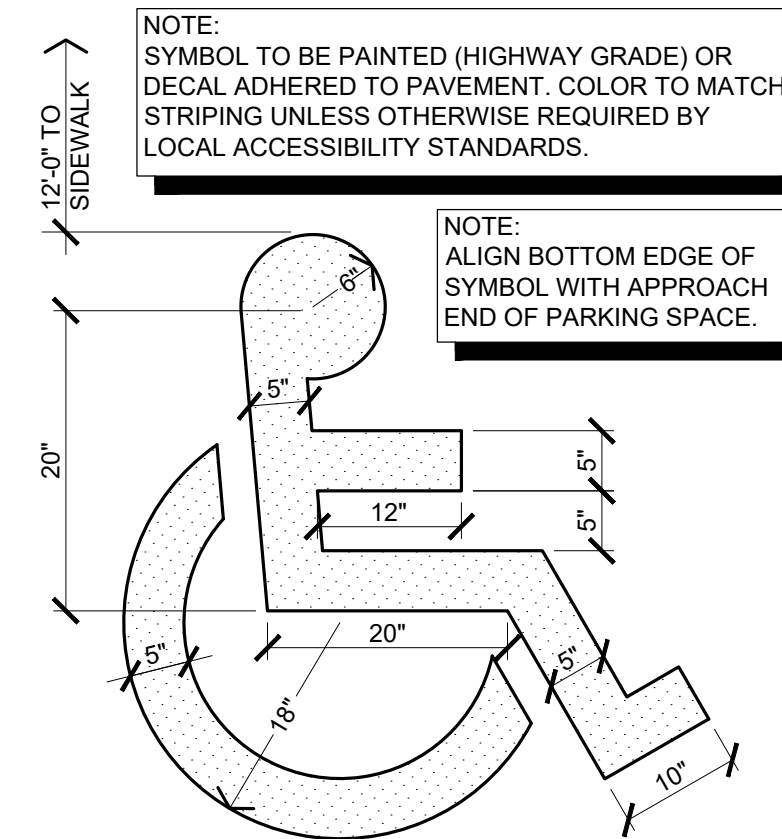
2
C-501



3 CONCRETE SIDEWALK SECTION

3/4" = 1'-0"

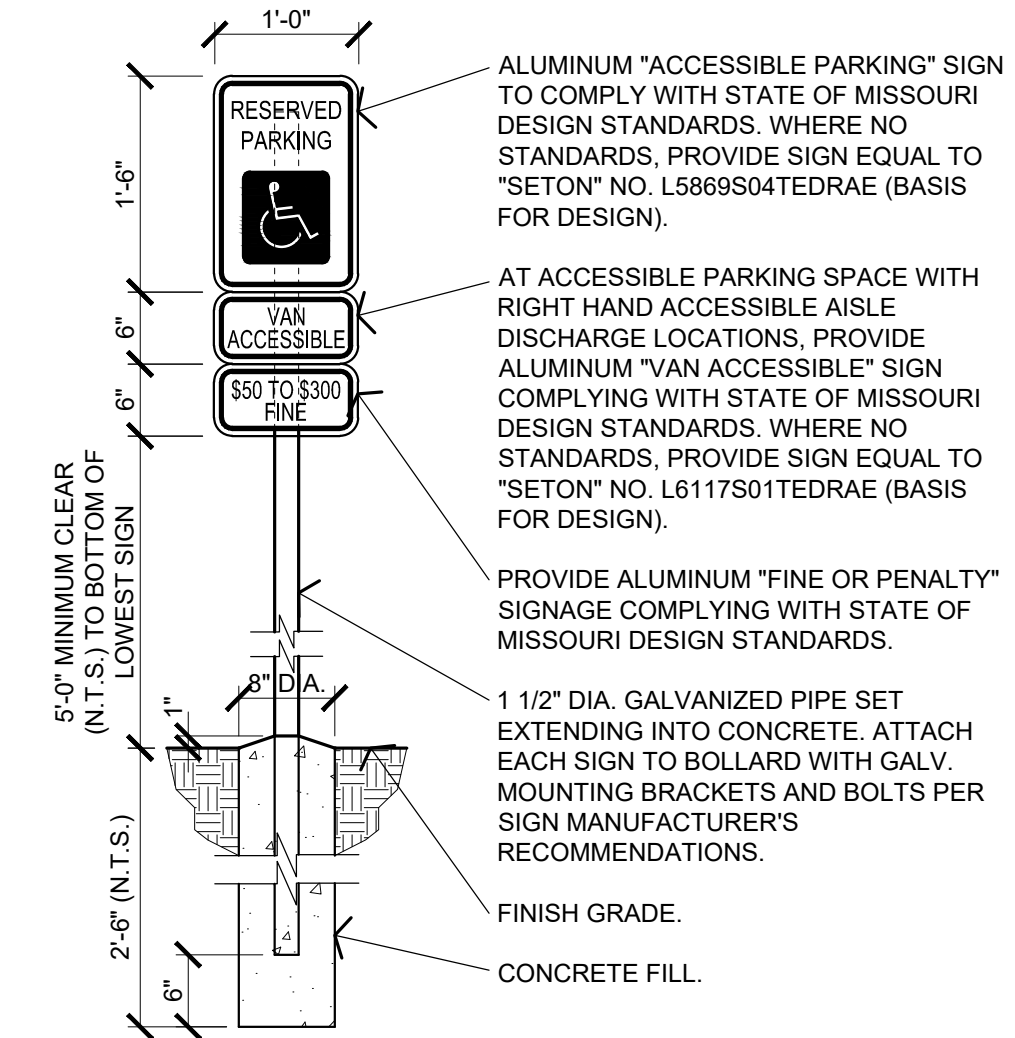
3
C-501



4 ACCESSIBLE PARKING SYMBOL DETAIL

NOT TO SCALE

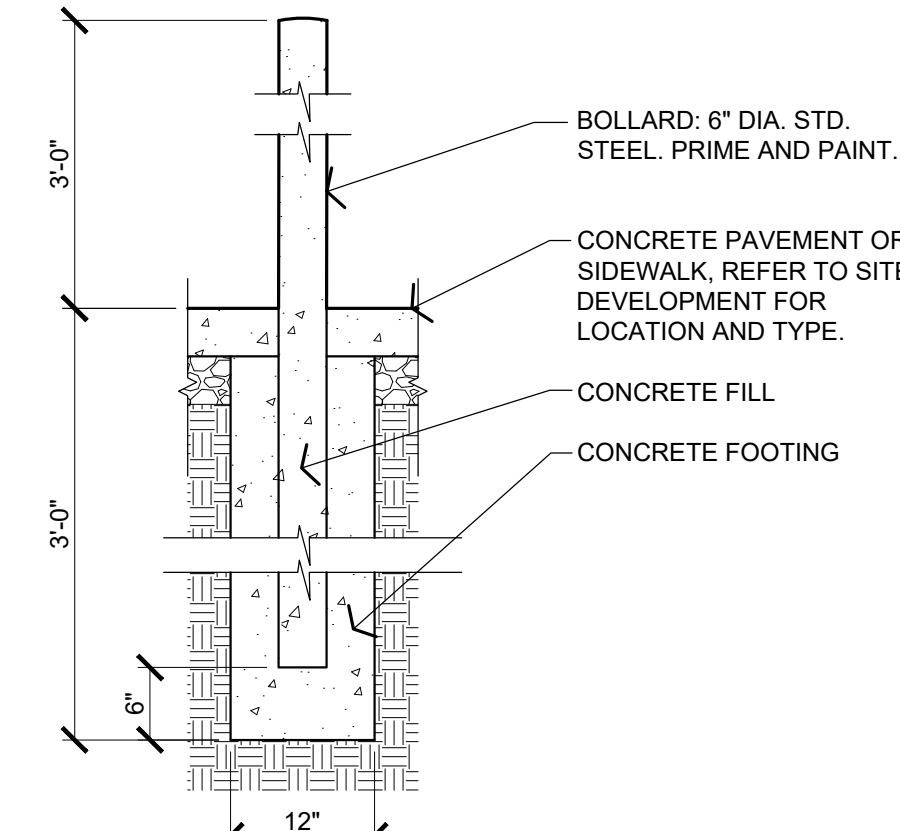
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C-501



5 ACCESSIBLE PARKING SIGN DETAIL

3/4" = 1'-0"

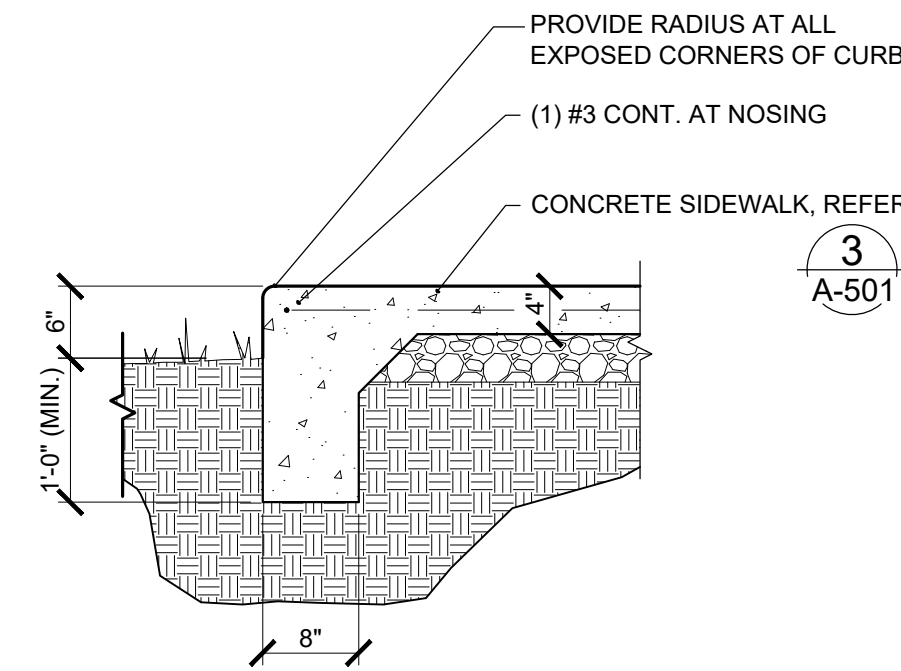
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C-501



6 STEEL BOLLARD SECTION

3/4" = 1'-0"

6
C-501



7 CONCRETE SIDEWALK EDGE SECTION

3/4" = 1'-0"

7
C-501

GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) REFER TO SITE DEVELOPMENT PLANS FOR LAYOUT AND LOCATIONS OF CONSTRUCTION.

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

ARCHITECTURAL FIRM REGISTRATION NO.:
ARC 2004029947



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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY
MISSOURI ARMY
NATIONAL GUARD

CONSTRUCT NEW
60 SOLDIER BARRACKS

CAMP CLARK
TRAINING SITE
18159 SOUTH K HIGHWAY
NEVADA, MISSOURI

PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING # 446

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/03/2026

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DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

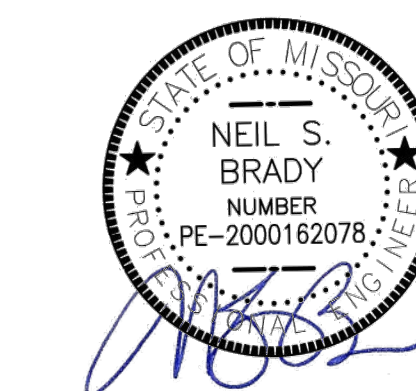
SHEET TITLE:

**SITE
DEVELOPMENT
DETAILS**

SHEET NUMBER:

C-501

8 OF 34 SHEETS
06/03/2026



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CAD DWG FILE: T2612-01-6274-8136274080-C-502
DRAWN BY: JAC
CHECKED BY: NSB
DESIGNED BY: JAC-NSB

SHEET TITLE:
MISCELLANEOUS
SITE DETAILS

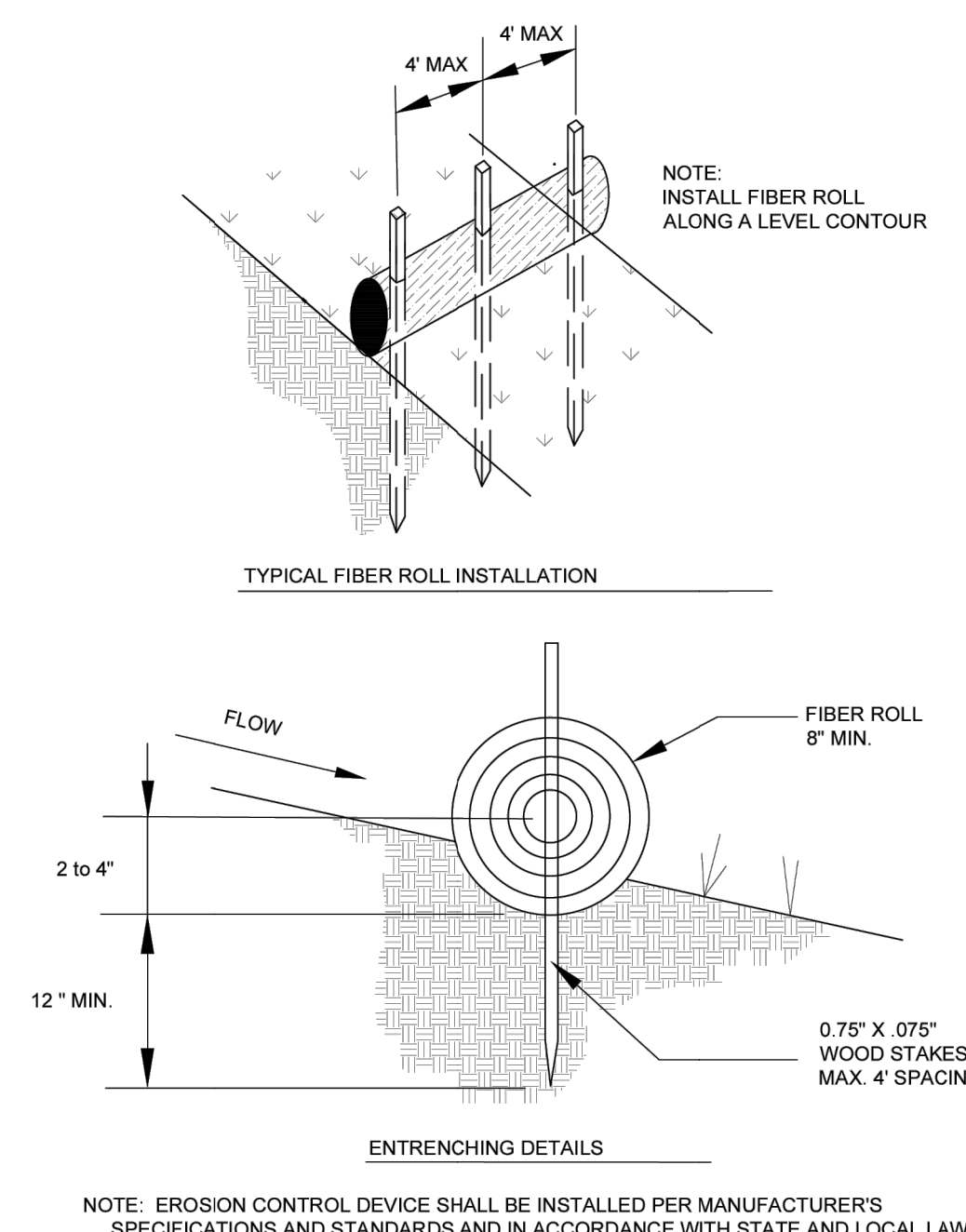
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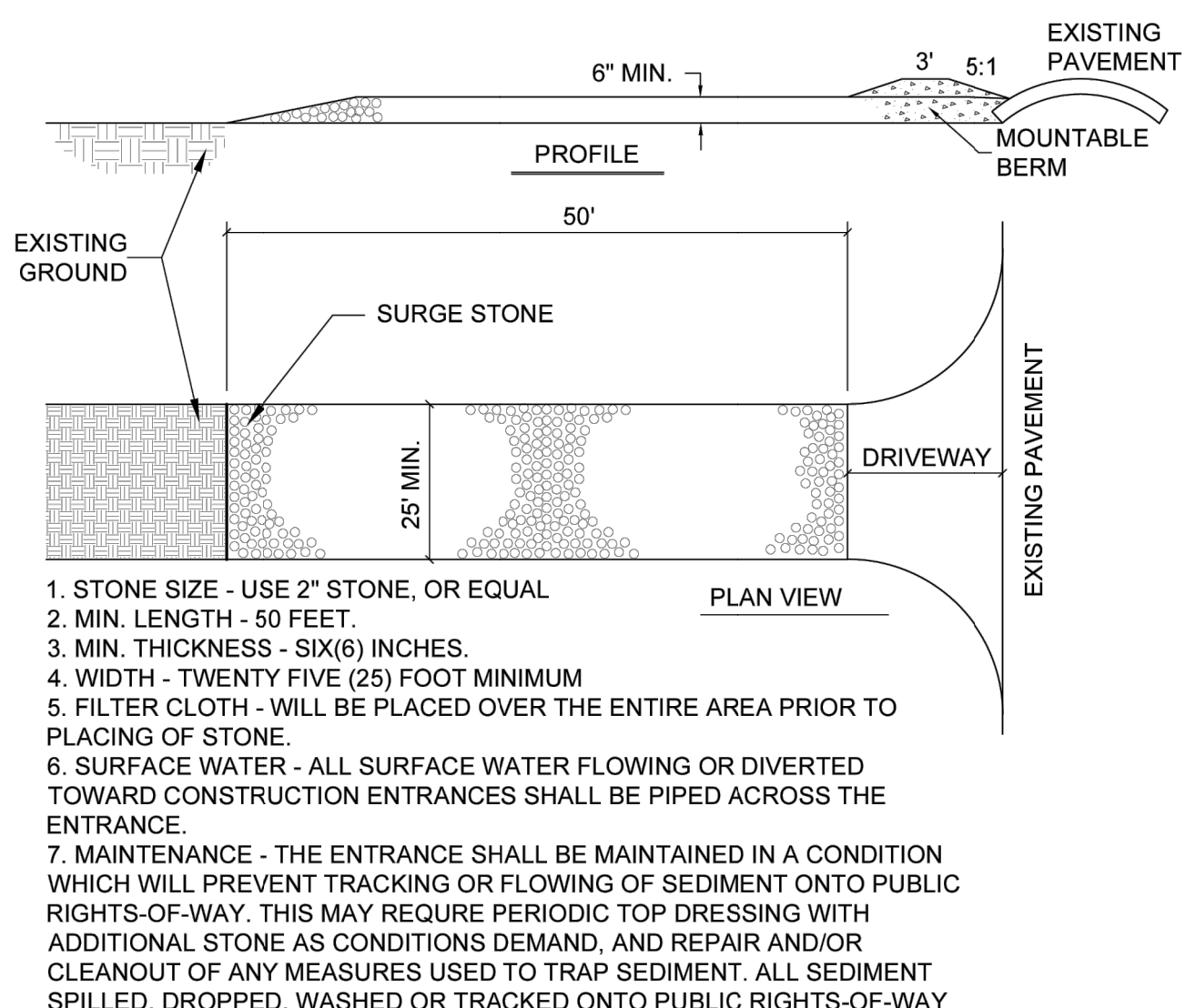
9 OF 34 SHEETS
06/03/2026

EROSION CONTROL & MAINTENANCE PLAN NOTES:

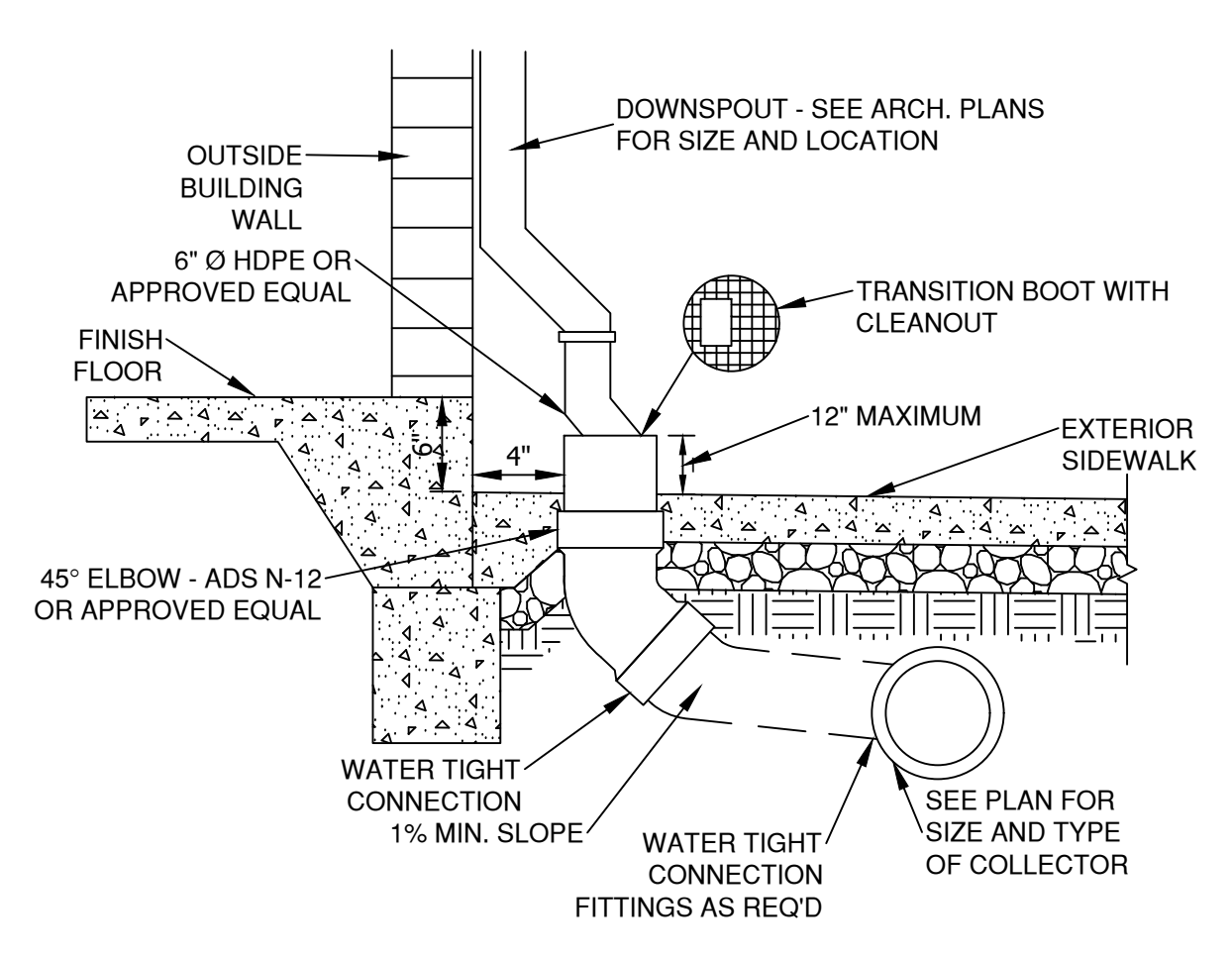
- CONTRACTOR TO RETAIN FLOATABLE WIND BLOWN MATERIALS ON SITE BY STORING ALL TRASH AND BUILDING MATERIAL WASTE IN ENCLOSURES UNTIL PROPER DISPOSAL AT OFF-SITE FACILITIES. CHECK ADJACENT AREAS DAILY AND PICK UP CONSTRUCTION WASTE MATERIALS AND DEBRIS THAT HAVE BLOWN OR WASHED OFF SITE.
- PERMANENTLY STABILIZE ALL SURFACE AREA WITHIN AND ADJACENT TO THIS SITE THAT IS DISTURBED BY VEHICLES, GRADING AND OTHER CONSTRUCTION FOR THE PROPOSED FACILITY. STABILIZATION IS OBTAINED WHEN THE DISTURBED SURFACE IS COVERED WITH STRUCTURES, PAVING AND/OR PERENNIAL VEGETATION HAVING A UNIFORM COVERAGE DENSITY OF AT LEAST 70%. STABILIZATION OF ALL DISTURBED AREA IS REQUIRED BEFORE TERMINATING MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES.
- CONTRACTORS SHALL INSPECT POLLUTION CONTROL MEASURES AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A STORM EVENT OF 1/2 INCH OR GREATER. DAMAGED MEASURES THAT PROVE TO BE INEFFECTIVE SHALL BE REPLACED WITH MORE EFFECTIVE MEASURES WITHIN SEVEN DAYS. REPEATED FAILURE OF A CONTROL MEASURE REQUIRES INSTALLATION OF A MORE SUITABLE DEVICE TO PREVENT DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE.
- INSTALLATION OF ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE CITY OR STATE. CONTRACTOR TO VERIFY REQUIREMENTS PRIOR TO BEGINNING ANY WORK ON PROJECT SITE.
- CARE SHALL BE TAKEN TO ELIMINATE TO THE MAXIMUM EXTENT POSSIBLE THE ENCROACHMENT OF SEDIMENT INTO ALL STORM DRAIN APPURTENANCES, PUBLIC STREETS, AND ONTO PRIVATE PROPERTY UNTIL IMPROVUS MATERIAL (ROAD/PARKING AREA SURFACE) IS APPLIED OR UNTIL PROPOSED LANDSCAPE HAS BEEN ESTABLISHED.
- REMOVE SEDIMENT DEPOSITS AS NECESSARY AFTER EACH STORM TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. CARE NEEDS TO BE TAKEN TO AVOID UNDERMINING THE FENCE WHEN REMOVING SEDIMENT. SEDIMENT IS TO BE REAPPLIED TO THE SITE AND STABILIZED.
- ALL GRASS SLOPES WHICH EXCEED 3:1 (H:V) AND SELECT PIPE OUTFALLS SHALL UTILIZE CONTECH CONSTRUCTION PRODUCTS PERMANENT TURF REINFORCEMENT MATS 450 OR APPROVED EQUAL. MATS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND STANDARDS. CONTRACTOR SHALL COORDINATE INSTALLATION INSPECTION WITH MANUFACTURER.
- CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARD GENERAL CONDITIONS AND TECHNICAL SPECIFICATION FOR CONSTRUCTION FOR THE STATE OF MISSOURI.
- APPLICABLE PERMITS MUST BE OBTAINED FROM THE CITY, STATE AND COUNTY PRIOR TO EXCAVATION WITHIN ANY RIGHT-OF-WAY, AND PRIOR TO ANY CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ANY UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS AND TO BE LIABLE FOR DAMAGE AND SUBSEQUENT REPAIR TO SUCH IN THE COURSE OF HIS OPERATIONS.
- THE CONTRACTOR AND/OR BUILDER WILL KEEP THE SUBDIVISION NEAT AND ORDERLY AT ALL TIMES WHILE CONSTRUCTION IS TAKING PLACE. ALL STREETS ADJACENT TO THE DEVELOPMENT SHALL BE KEPT CLEAN OF MUDD, ROCK, DIRT, DEBRIS, PAPER AND WASTE MATERIAL AT ALL TIMES. THE PROPER AMOUNT OF INSPECTION SHALL BE CALLED FOR AT THEIR PROPER TIMES, OR ANY AND ALL WORK MAY BE REJECTED.
- IF ANY WORK OR ACCESS TO ANY ADJOINING PROPERTY IS DONE, IT IS THE FULL RESPONSIBILITY OF THE APPLICANT/OWNER TO OBTAIN PROPER RELEASE FROM ADJOINING PROPERTY OWNERS AND ASSUME ALL LIABILITY FOR ACTION TAKEN DURING ALL CONSTRUCTION.
- ALL DISTURBED AREAS ARE TO BE RESEDED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STATE OF MISSOURI DESIGN STANDARDS FOR PUBLIC IMPROVEMENTS.
- PROVIDE TEMPORARY EROSION CONTROL TO CONTAIN ALL SOILS ON SITE. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- THE DETENTION BASIN, ALL WATER QUALITY MEASURES AND STORMWATER CHANNELS/PIPES SHALL BE FUNCTIONING PRIOR TO STARTING ANY OTHER CONSTRUCTION ACTIVITIES, I.E., ONLY CONSTRUCTION ACTIVITIES REQUIRED TO INSTALL THE DETENTION BASIN, ALL WATER QUALITY MEASURES AND STORMWATER CHANNELS/PIPES, ARE ALLOWED UNTIL THESE ITEMS ARE INSTALLED AND APPROVED.
- CONSTRUCTION ACCESS TO THE SITE SHALL BE LIMITED TO THE APPROVED TEMPORARY CONSTRUCTION ENTRANCE AS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN. PRIOR TO CONSTRUCTION, THE OWNER SHALL CONVENE A PRE-CONSTRUCTION MEETING BETWEEN THE STATE OF MISSOURI, CONSULTING ENGINEER, CONTRACTOR(S) AND ANY OTHER AFFECTED PARTIES.
- EROSION CONTROL DEVICES SHALL BE MAINTAINED DURING THE WHOLE CONSTRUCTION PERIOD BY THE CONTRACTOR.
- CONTRACTOR TO PROTECT ANY STORM INLETS THAT RECEIVE STORM WATER FROM THE AREA OF CONSTRUCTION FROM SEDIMENT.
- CONTRACTOR TO TAKE CARE NOT TO DAMAGE ANY EXISTING STREET, CURB AND GUTTER.
- THE CONTRACTOR SHALL HAVE A SET OF PLANS FILED WITH THE STATE OF MISSOURI ON SITE. THE CONTRACTOR SHALL HAVE ON THE PROJECT AT ALL TIMES, AS HIS AGENT, A COMPETENT SUPERINTENDENT CAPABLE OF READING AND THOROUGHLY UNDERSTANDING THE PLANS AND SPECIFICATIONS AND THOROUGHLY EXPERIENCED IN THE TYPE WORK BEING PERFORMED WHO SHALL RECEIVE INSTRUCTIONS FROM THE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
- THE CONTRACTOR SHALL NOTIFY THE INSPECTOR OF ANY SINKHOLES DISCOVERED DURING CONSTRUCTION.
- TEMPORARY CONSTRUCTION ENTRANCE TO HAVE SHOT ROCK FOR ITS SURFACE.
- THE INSTALLATION OF SILT FENCE FOR CONSTRUCTION IS TO BE INSTALLED BY THE CONTRACTOR AND IN PLACE BEFORE BEGINNING ANY SITE CONSTRUCTION. SIMILAR DEVICES MAY BE USED BY THE CONTRACTOR TO MEET THE REQUIREMENTS OF THE ENGINEER. DEVICES TO BE IN PLACE AS SHOWN ON THE PLANS. ADJUSTMENT OF THE LOCATION BY THE CONTRACTOR MAY BE DONE TO MEET EXISTING FIELD CONDITIONS. ALL CONTROLS ARE TO BE PLACED WITHIN OWNER'S PROPERTY. ACCUMULATED SEDIMENT BASINS WILL REQUIRE REMOVAL DURING CONSTRUCTION OR AFTER EACH RAIN EVENT AND AT THE END OF CONSTRUCTION. EACH BASIN SHALL BE CHECKED AFTER EACH RAIN EVENT. CONTRACTOR TO MINIMIZE THE AREA DISTURBED BY CONSTRUCTION ACTIVITIES AT ANY ONE TIME AND TO PROMPTLY REVEGETATE (OR MECHANICALLY STABILIZE) AREAS DISTURBED BY CONSTRUCTION ACTIVITIES.
- SILT FENCE SHALL BE PLACED AROUND ALL SOIL SPOIL PILES TO PREVENT EROSION.



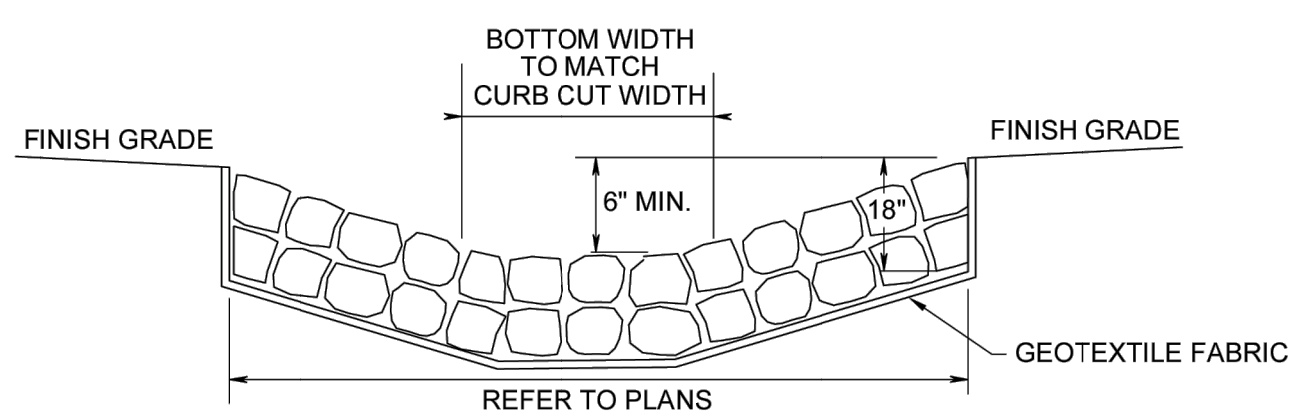
1 FIBER ROLLS AND SOCKS
C502 SCALE: NOT TO SCALE



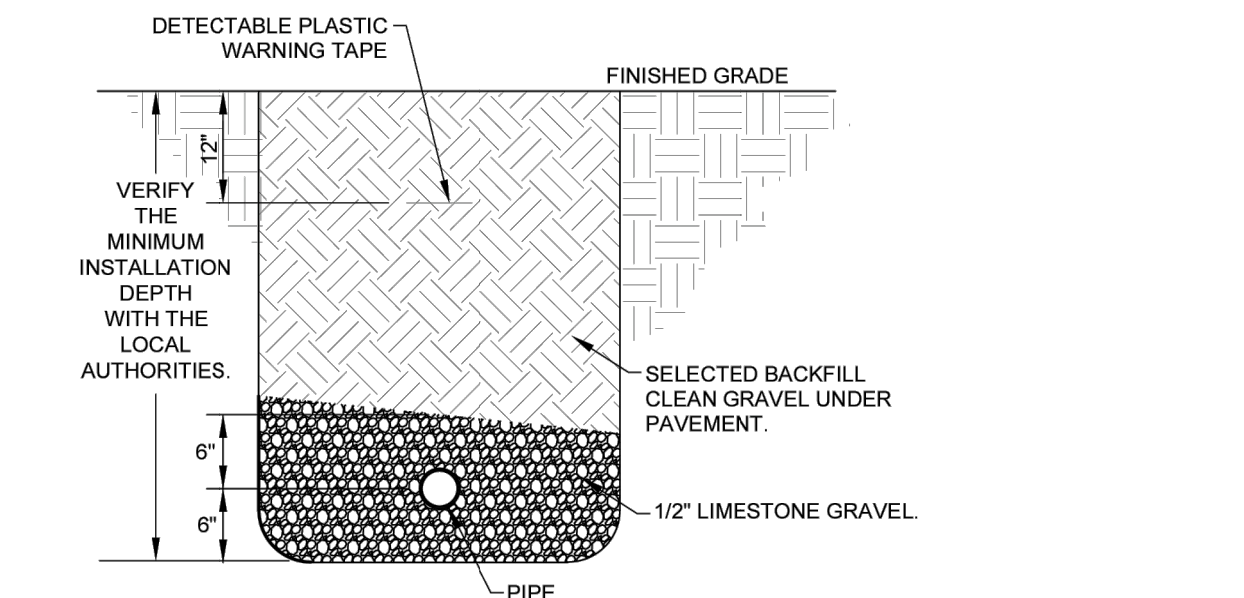
2 CONSTRUCTION ENTRANCE
C502 SCALE: NOT TO SCALE



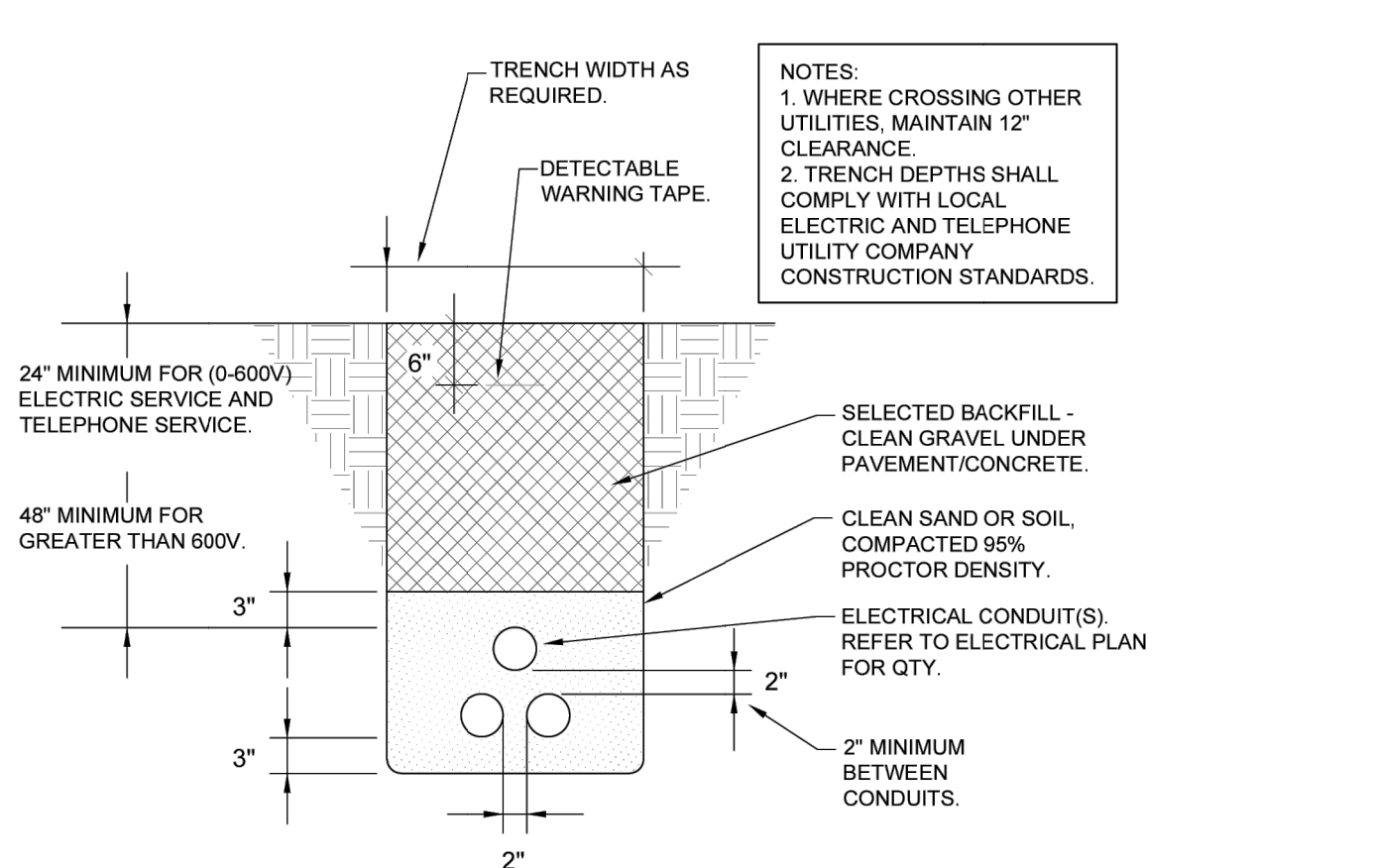
3 DOWNSPOUT COLLECTOR
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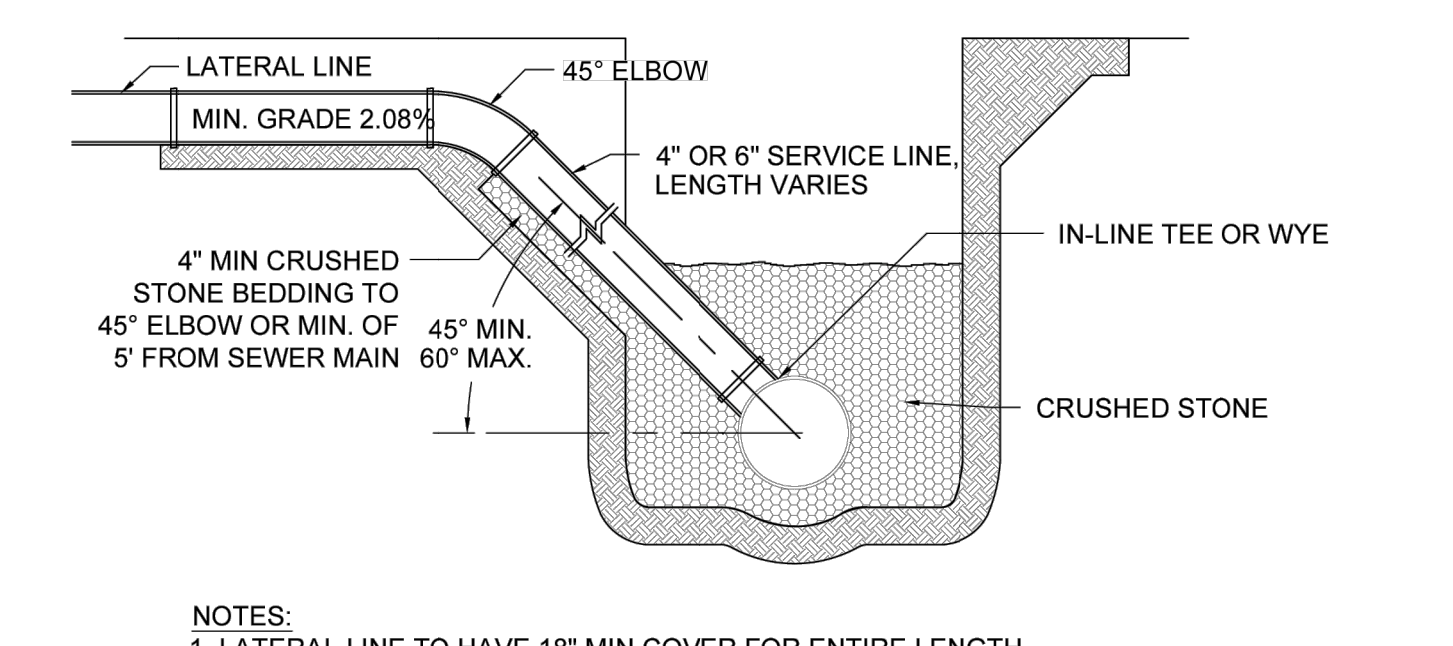
4 RIPRAP PAD
C502 SCALE: NOT TO SCALE



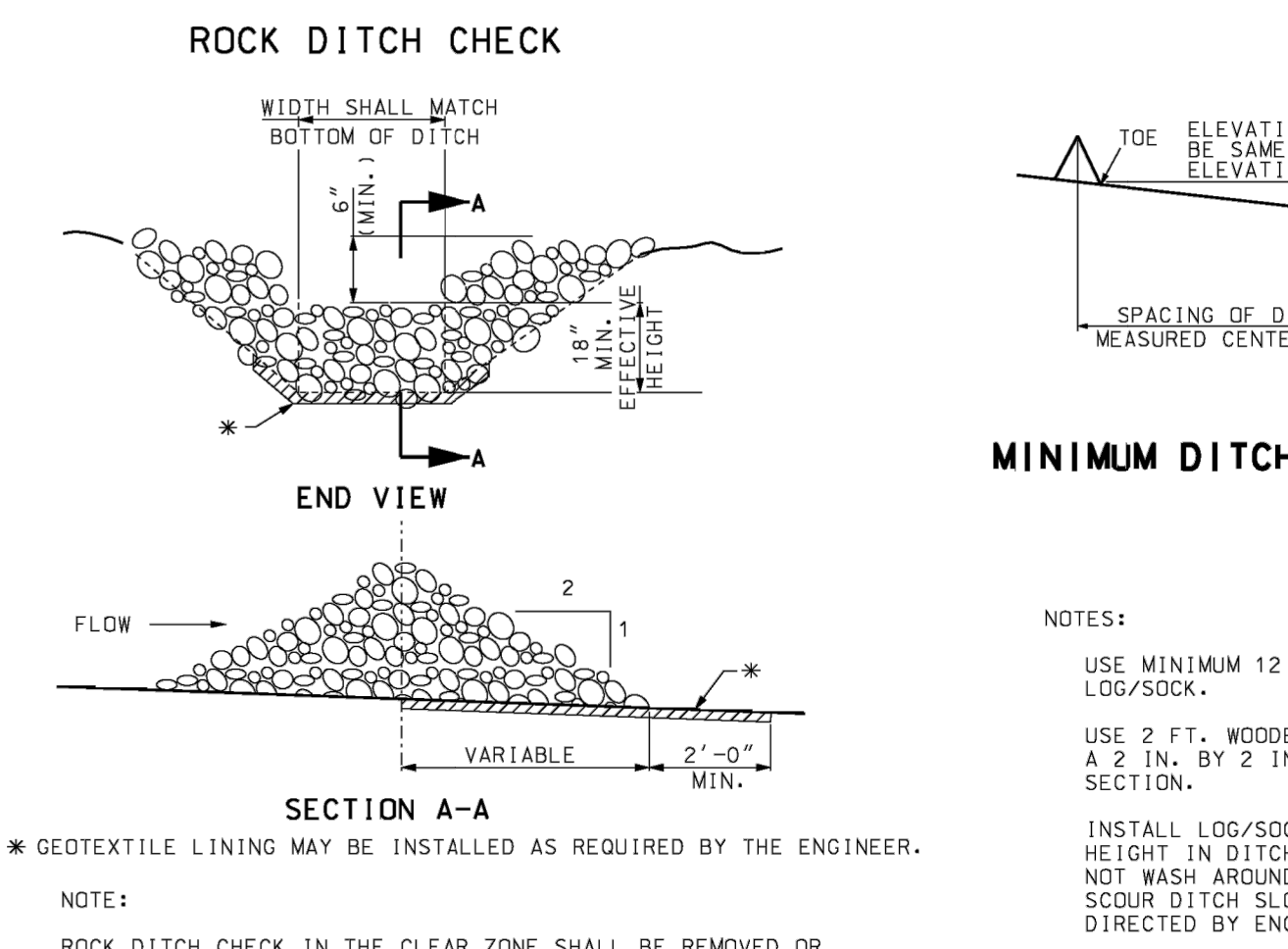
5 PIPE INSTALLATION DETAIL
C502 SCALE: NOT TO SCALE



6 UNDERGROUND ELECTRICAL CONDUITS
C502 SCALE: NOT TO SCALE



7 SANITARY SEWER SERVICE CONNECTION
C502 SCALE: NOT TO SCALE



9 ROCK DITCH CHECK
C502 SCALE: NOT TO SCALE

MINIMUM DITCH CHECK SPACING

EXAMPLE DITCH CHECK SPACING FOR STANDARD HEIGHTS (FT.)

DITCH SLOPE %	SPACING FOR 9" EFF. HEIGHT	SPACING FOR 18" EFF. HEIGHT
0.5	150	300
1.0	75	150
1.5	50	100
2.0	37	75
2.5	30	60
3.0	25	50
3.5	21	43
4.0	19	38
4.5	16	33
5.0	15	30
5.5	13	27
6.0	12	25
6.5	11	23
7.0	10	21
7.5	10	20
8.0	9	19
8.5	9	18
9.0	8	17
9.5	8	16
10.0	7	15

STRUCTURAL NOTES

1. FOOTINGS & FOUNDATION EXCAVATION:

- A. A GEOTECHNICAL ANALYSIS HAS BEEN PERFORMED ON THIS SITE. SEE PROJECT MANUAL FOR GEOTECHNICAL INFORMATION. APPROPRIATE RECOMMENDATIONS STATED IN THE GEOTECHNICAL REPORT ISSUED BY PAMERTON & PARIRISH, INC DATED FEBRUARY 23, 2026 (REV-1) SHALL BE FOLLOWED.
- B. THESE FOUNDATIONS HAVE BEEN DESIGNED FOR A SOIL BEARING OF 2000 PSF FOR CONTINUOUS AND 2500 PSF FOR ISOLATED FOOTINGS.
- C. FOUNDATIONS AND SLABS SHALL BEAR ON MEDIUM STIFF NATURAL SOILS OR PROPERLY PLACED AND COMPACTED CONTROLLED FILL. SEE GEOTECHNICAL REPORT FOR SPECIFIC REQUIREMENTS REGARDING EXCAVATION AND PREPARATION OF SUBGRADE. A GEOTECHNICAL ENGINEER SHALL BE PRESENT TO DIRECT THE REMOVAL OF UNSUITABLE SOILS AND TO DETERMINE THE ADEQUACY OF THE BEARING SURFACE PRIOR TO PLACEMENT OF THE REINFORCEMENT AND CONCRETE.
- D. FOOTING WIDTHS TO BE AS SHOWN ON PLANS AND DETAILS. BOTTOM OF FOOTING IS TO BE EXCAVATED SQUARE AND TRUE.
- E. WHERE ANY OPEN TRENCH HAS BEEN EXPOSED TO RAIN, SNOW OR ICE PRIOR TO POURING CONCRETE, ALL REINFORCING IN THAT TRENCH SHALL BE REMOVED AND THE BOTTOM OF THE TRENCH SHALL BE DRAINED OF ALL WATER AND CLEANED OF MUD, SNOW OR ICE. A GEOTECHNICAL ENGINEER OR HIS TECHNICAL REPRESENTATIVE SHALL INSPECT THE BOTTOM OF THE TRENCH AND OBSERVE THE RE-COMPACTION OF SOILS PRIOR TO PLACING REINFORCEMENT AND POURING OF CONCRETE.
- F. ALL STRIP FOOTINGS SHALL BE CENTERED UNDER WALLS BEING SUPPORTED AND ALL ISOLATED FOOTINGS SHALL BE CENTERED UNDER COLUMNS, UNLESS NOTED OTHERWISE.
- G. MINIMUM EXTERIOR FOOTING DEPTH SHALL BE AS INDICATED ON THE FOUNDATION PLAN AND FOUNDATION DETAILS.
- H. IN THE EVENT THAT UNACCEPTABLE SOIL OR UNCOMPACTED FILL IS FOUND BELOW FOOTINGS OR FLOOR SLABS, IT SHALL BE REMOVED AND REPLACED WITH SELECT FILL, COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
- I. STRUCTURAL FILL SHOULD BE PLACED IN NO GREATER THAN 8" LOOSE LIFTS AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. ADEQUATE DENSITY AND MOISTURE CONTENT TESTS SHOULD BE PERFORMED TO INSURE COMPLIANCE WITH PROJECT SPECIFICATIONS. SUBGRADE INSPECTION AND FILL TESTING UNDER CONTROLLED CONDITIONS IS CONSIDERED ESSENTIAL IF THE FOOTINGS ARE TO BE FOUND IN FILL.

2. CONCRETE:

- A. ALL READY MIX CONCRETE SHALL BE 4000 psi FOR ALL CONCRETE PLACEMENT. DO NOT ADD WATER TO THE MIX DESIGN AFTER DELIVERY TO THE PROJECT SITE.
- B. EXPOSED EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED. INTERIOR CONCRETE SHALL NOT BE AIR-ENTRAINED.
- C. UNLESS NOTED OTHERWISE, CONCRETE COVER OVER STEEL REINFORCEMENT SHALL CONFORM TO THE MINIMUM REQUIREMENT BY ACI 318.
- D. REINFORCEMENT DETAILING AND PLACEMENT SHALL CONFORM TO ACI 318 AND ACI 315, EXCEPT WHERE OTHERWISE INDICATED.
- E. HOT OR COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 308-89 AND ACI 306-1-90, RESPECTIVELY.
- F. ANY CONCRETE PLACED BY MEANS OF PUMPING SHALL BE DONE IN ACCORDANCE WITH ACI 304.2R (82).
- G. CEMENT SHALL CONFORM TO A.S.T.M. C-150 TYPE I OR TYPE III.
- H. AGGREGATES SHALL CONFORM TO A.S.T.M. C-33 FOR NORMAL WEIGHT CONCRETE & A.S.T.M. C-330 FOR LIGHTWEIGHT CONCRETE.
- I. READY MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH A.S.T.M. C-94.
- J. ADMIXTURES MAY BE USED WITH THE APPROVAL OF THE STRUCTURAL ENGINEER. ADMIXTURES USED TO INCREASE THE WORKABILITY OF THE CONCRETE SHALL NOT BE CONSIDERED TO REDUCE THE CEMENT CONTENT. NO CALCIUM CHLORIDE ADMIXTURES ALLOWED.

3. SLABS ON GRADE:

- A. FLOOR SLABS ARE TO BE PLACED AND FINISHED IN ACCORDANCE WITH ACI 302 (SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION).
- B. THICKNESS TOLERANCE FOR ALL SLABS IS TO BE PER ACI 117 AND IS TO BE NO MORE THAN $+\frac{3}{8}$ " (THICKER) AND NO MORE THAN $-\frac{1}{4}$ " (THINNER) FROM THE DESIGN THICKNESS.

4. REINFORCING:

- A. REINFORCING BARS SHALL BE BILLET STEEL, ASTM A 615, GRADE 60. PROVIDE CONTINUOUS BENT BARS AT FOOTING STEPS AND 90 DEGREE BENT TIES AT CORNERS. UNLESS OTHERWISE NOTED, LAP SPLICES OR EMBEDMENT LENGTHS SHALL CONFORM TO CLASS B SPLICE (SEE SPLICE TABLE). ADJACENT BAR SPLICES IN WALLS AND FOOTINGS TO BE ALTERNATED. ALL FOOTINGS SHALL REQUIRED HOOKED REINFORCING PROJECTED INTO WALLS, PILASTERS OR COLUMNS. THE SIZE AND SPACING OF DOWELS ARE TO MATCH VERTICAL REINFORCING.
- B. REINFORCING DETAILING, BENDING, AND PLACING SHALL CONFORM TO ACI 315.
- C. MINIMUM CONCRETE COVERAGE: THE MINIMUM CLEAR DISTANCES BETWEEN REINFORCING STEEL AND FACE OF CONCRETE SHALL BE MAINTAINED UNLESS NOTED OTHERWISE:

SLABS ON EARTH.....	CENTER OF SLAB
CONCRETE BELOW GRADE, FORMED.....	2"
CONCRETE BELOW GRADE, UNFORMED AND POURED AGAINST EARTH.....	3"

5. STRUCTURAL STEEL:

- A. FABRICATOR QUALIFICATIONS: FABRICATOR MUST PARTICIPATE IN THE AISC QUALITY CONTROL PROGRAM AND BE DESIGNATED AN AISC-CERTIFIED PLANT.
- B. MATERIALS (UNLESS NOTED OTHERWISE):

STRUCTURAL STEEL.....	ASTM A992, GRADE 50
PLATES, ANGLES, CHANNELS, AND MISCELLANEOUS STEEL.....	ASTM A36
ANCHOR RODS.....	ASTM F1554, GRADE 36
HIGH STRENGTH BOLTS.....	ASTM F3125
WELDING ELECTRODES.....	AWS AS.1 (E70XX)

6. LIGHT GAUGE STEEL (JOISTS & STUDS): SHALL CONFORM TO AISI (LATEST EDITION) AND THE FOLLOWING:

- A. ALL LIGHT GAUGE METAL STUDS, JOISTS AND HEADERS ARE TO MEET OR EXCEED INDUSTRY STANDARDS AS SET FORTH BY THE STEEL STUDS MANUFACTURERS ASSOCIATION (SSMA).
- B. LIGHT GAUGE STEEL MEMBER DESIGNATIONS SHOWN ON THE CONSTRUCTION DOCUMENTS ARE SSMA STANDARD DESIGNATIONS.
- C. SLIP TRACK ASSEMBLIES SHALL BE CONSTRUCTED TO CONFORM TO THE GUIDELINES SET FORTH IN SSMA TECHNICAL NOTE #1 (JAN 2001).
- D. CONSTRUCTED ASSEMBLIES SHALL USE POSITIVE CONNECTIONS WITH APPROVED FASTENERS (NOT FRICTION FIT) UNLESS NOTED OTHERWISE.
- E. STUDS SHALL SEAT SQUARELY WITHIN A METAL TRACK OF SAME SIZE AND GAUGE WITH $\frac{1}{2}$ " MAX GAP. FASTEN EACH STUD FLANGE TO TRACK W/ (1) #10 SDS.
- F. OFS WALLS SHALL BE Laterally BRaced AT BOTH FLANGES WITH A COMBINATION OF EITHER CONTINUOUS SHEATHING AND/OR STRAP BRACING (OR EQUIV). WALLS COMPRISED OF MULTIPLE STUD LAYERS SHALL HAVE BRACING ELEMENTS LOCATED BETWEEN EACH LAYER OF STUDS.
 - SHEATHING: THICKNESS AND MATERIAL TO BE AS PER ARCHITECTURAL FASTENERS TO BE #8 CORROSION-RESISTANT SCREWS @ 12" O.C. ALONG SUPPORTS.
 - STRAP BRACING: 2"x20ga FLAT METAL STRAPPING ALIGNED WITH FULL DEPTH BLOCKING-IN MEMBERS AT ENDS OF WALL RUN, ADJACENT TO OPENINGS, AND @ 8'-0" O.C. ALONG WALL RUN. SPACE VERTICALLY @ 6'-0" o.c. FOR INTERIOR WALLS AND FOR PERIMETER WALLS.

G. BASE TRACK ANCHORS - MIN. (2) PER EACH WALL RUN:

- ENDS-OF-RUN AND ADJACENT TO OPENINGS: $\frac{3}{8}$ "Ø WITH 4" EMBED. EITHER CAST-IN-PLACE HEADED BOLTS OR POST-INSTALL USING SIMPSON TITEN HD SCREW ANCHORS.
 - WITHIN EACH WALL RUN: EITHER ANCHORS EQUALING END-OF-RUN ANCHORS PLACED @ 48" O.C. OR IN LOW SEISMIC REGIONS (SEISMIC DESIGN CATEGORY OF A, B, OR C) INSTALL (2) HILTI X-U 32 PAF'S (OR EQUAL) @ EACH STUD.
- H. SPECIFIED FASTENERS AND CONNECTORS (OR EQUIVALENT) TO BE INSTALLED IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS AND THE MANUFACTURER PROVIDED INSTALLATION INSTRUCTIONS (MPI). INSTALLATION LOCATIONS TO BE LIMITED TO EXPOSURE, LOADING TYPE AND MATERIALS SPECIFIED IN CORRESPONDING CODE REPORTS.

7. LUMBER

A. TREATED LUMBER

1. IN LOCATIONS WHERE TREATED LUMBER IS SHOWN ON DRAWINGS, THE APPROVED PRESSURE TREATED WOODS ARE ACQ-D(CARBONATE) OR CA-B TREATED WOODS WITHOUT AMMONIA CARRIERS. THE CHEMICAL RETENTION LEVELS ARE TO BE NO GREATER THAN 0.4 PCF FOR ACQ-2, 0.21 PCF FOR CA-B. ALL METAL CONNECTORS ARE TO HAVE A GALVANIZED COATING OF NO LESS THAN 1.85 OUNCES OF ZINC PER SQUARE FOOT PER ASTM A653. ALL BOLTS, SCREWS NAILS AND OTHER FASTENERS ARE TO BE GALVANIZED PER ASTM A153. WHERE TREATED LUMBER IS SHOWN IN EXTERIOR INSTALLATIONS WITH NO ROOF COVERINGS TO PREVENT DIRECT EXPOSURE TO RAIN, USE HOT DIP GALVANIZED CONNECTORS PER ASTM A123.

B. FIRE RETARDANT TREATED (FRT) PLYWOOD

1. $\frac{3}{4}$ " FRT SHEATHING TO BE FASTENED AT 6" O.C. AT PERIMETER OF SHEETS AND 12" O.C. AT INTERMEDIATE SUPPORTS WITH (MIN) #8 SCREWS.

8. GENERAL:

- A. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.
- B. THE STRUCTURAL DESIGN OF THE BUILDING IS BASED UPON THE FULL INTERACTION OF ALL ITS COMPONENT PARTS, WITH NO PROVISION MADE FOR CONDITIONS OCCURRING DURING CONSTRUCTION. THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING DURING CONSTRUCTION. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTIBILITY ANALYSIS AND ERECTION PROCEDURES, INCLUDING DESIGN AND ERECTION OF FALSEWORK, TEMPORARY BRACING, ETC. THE STRUCTURAL ENGINEER ASSUMES NO LIABILITY FOR THE STRUCTURE DURING CONSTRUCTION.
- C. CORRECTIONS DUE TO UNFORESEEN FIELD CONDITIONS OR DIMENSIONAL DISCREPANCIES ON CONSTRUCTION DOCUMENTS MUST BE BROUGHT TO THE ATTENTION OF THE PROJECT ARCHITECT FOR REVIEW AND AUTHORIZATION PRIOR TO CORRECTIVE MEASURES BEING IMPLEMENTED.
- D. STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
- E. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
- F. ALL SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED BY THE PROJECT ARCHITECT/ENGINEER PRIOR TO SUBMITTING TO THE BUILDING DEPARTMENT FOR REVIEW AND APPROVAL.

9. SPECIAL INSPECTIONS REQUIREMENTS:

- A. OWNER SHALL ENGAGE ONE OR MORE QUALIFIED SPECIAL INSPECTORS AND/OR TESTING AGENCIES TO CONDUCT STRUCTURAL TESTS, CONSTRUCTION MATERIAL TESTING, AND SPECIAL INSPECTIONS SPECIFIED IN THE "STATEMENT OF SPECIAL INSPECTIONS".
- B. FOR THE SPECIFIC RESPONSIBILITY OF THE OWNER, CONTRACTOR, AND SPECIAL INSPECTOR REFER TO THE PROJECT MANUAL.

DESIGN CRITERIA

BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE

DESIGN LOADS:

ROOF LIVE LOAD.....	20.0 psf
ROOF DEAD LOAD.....	SEE PEMB
ROOF COLLATERAL LOAD.....	4.0 psf
SPRINKLER LOADS	
UNIFORM BRANCH PIPE LOAD.....	1.0 psf
LINEAL LOOP/TIE MAIN PIPE LOAD.....	25.0 pif
SHOWER CEILING LIVE LOAD.....	20.0 psf
SHOWER CEILING DEAD LOAD.....	10.0 psf

SNOW LOAD:

P_g = 20 psf
P_f = 14 psf
C_e = 1.0
C_t = 1.0
I_s = 1.0

WIND CALCULATION METHOD: ENVELOPE

V_{ult} = 109 mph	V_{ref} = 84.4 mph
EXPOSURE = "C"	
RISK CATEGORY = II	
BUILDING, ENCLOSED C_{pe} = ±0.18	
K_{zt} = 1.0	
K_d = 0.85	

MAIN FORCE RESISTING SYSTEM:

WALL AND ROOFS q = 14.0 psf

WIND COMPONENTS & CLADDING: All Wind Pressures & Forces in "ASD"

(Wind pressures below were used by JS Smith Consulting Engineers, P.C. for design. Components designed by others for use in this project will require wind pressures derived by that supplier.)

WALL AREAS 10 SQUARE FEET OR LESS = 21.4 psf
WALL INTERIOR ZONES = 13.1 psf & -14.5 psf
WALL END ZONES = 13.1 psf & -15.7 psf
ROOF INTERIOR ZONES = 9.6 psf & -9.6 psf
ROOF EDGE ZONES = 9.6 psf & -19.0 psf
ROOF CORNER ZONES = 9.6 psf & -27.7 psf

BASE SHEAR:

V_x :	WIND = 8.0 k
	SEISMIC = 3.3 k
V_y :	WIND = 17.6 k
	SEISMIC = 3.3 k

SEISMIC DESIGN: EQUIVALENT FORCE PROCEDURE

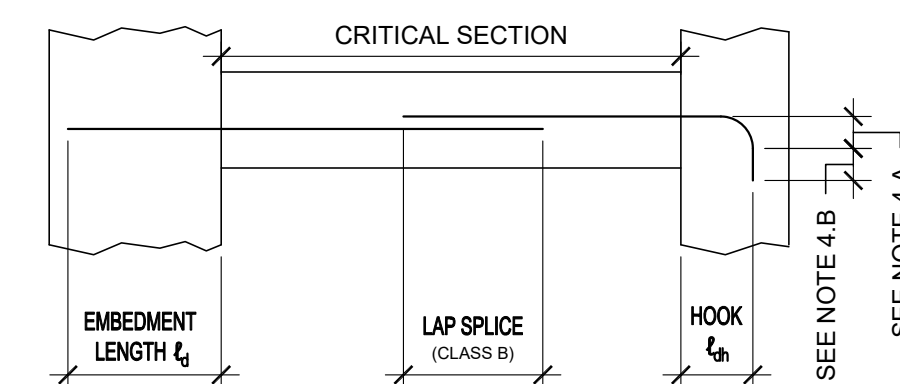
S_{Ds} = 0.116
S_1 = 0.077
S_{D5} = 0.101
S_{D1} = 0.077
SITE CLASS = C
SEISMIC DESIGN CATEGORY = B
I_e = 1.0

SEISMIC FORCE RESISTING SYSTEM:

STEEL NOT DETAILED FOR SEISMIC
 R = 3.00
 C_s = 0.034
 p = 1.00

SPLICE TABLE ¹ (UNLESS NOTED OTHERWISE)					
BAR SIZE	LAP SPLICES (in.) ²		EMBED LENGTH (in.)		
	TOP BARS ³ Class B	OTHERS Class B	TOP BARS ³ ld	OTHERS ld	HOOKS ⁵ ldh
#3	26	20	20	16	8
#4	35	27	27	21	11
#5	43	33	33	26	13
#6	52	40	40	31	16
#7	75	58	58	45	18

1. SPLICE TABLE IS BASED ON THE FOLLOWING:
 - A. CONCRETE f_c = 4000 psi
 - B. GRADE 60 REBAR
 - C. BAR SPACING NOT LESS THAN 2 BAR DIAMETERS OR 1"
 - D. CONCRETE COVER NOT LESS THAN ONE BAR DIAMETER
2. LAP LENGTHS SHOWN ARE FOR CLASS "B" TENSION SPLICES PER ACI 318
3. TOP BARS ARE DEFINED AS HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12" OF CONCRETE IS CAST BELOW THE REINFORCEMENT IN THAT MEMBER.
4. STANDARD HOOKS:
 - A. RADII = 4 BAR DIAMETERS FOR #3 THRU #8
 - B. LENGTH = 12 BAR DIAMETERS
5. HOOK LENGTH MAY BE REDUCED IN ACCORDANCE WITH ACI 318



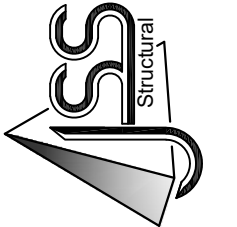
STATE OF MISSOURI MICHAEL KEHOE, GOVERNOR

ENGINEERING FIRM REGISTRATION NO.:
E2004026564



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DEPARTMENT OF PUBLIC SAFETY MISSOURI ARMY NATIONAL GUARD

CONSTRUCT NEW
60 SOLDIER BARRACKS

CAMP CLARK
TRAINING SITE
18159 SOUTH K HIGHWAY
NEVADA, MISSOURI

PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING #446

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-S-001
DRAWN BY: MW
CHECKED BY: AS
DESIGNED BY: AS

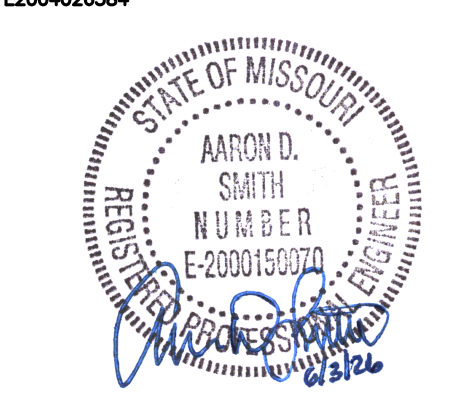
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STRUCTURAL NOTES

SHEET NUMBER:

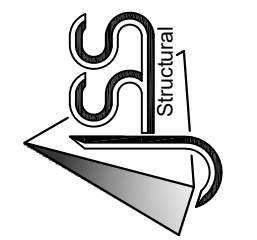
S-001

10 OF 34 SHEETS
06/03/2026



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BUILDING #446

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REVISION: _____
DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-07-748136274080-S-101
DRAWN BY: MW
CHECKED BY: AS
DESIGNED BY: AS

SHEET TITLE:
FOUNDATION PLAN

SHEET NUMBER:

S-101

11 OF 34 SHEETS
06/03/2026

FOUNDATION KEY NOTES:

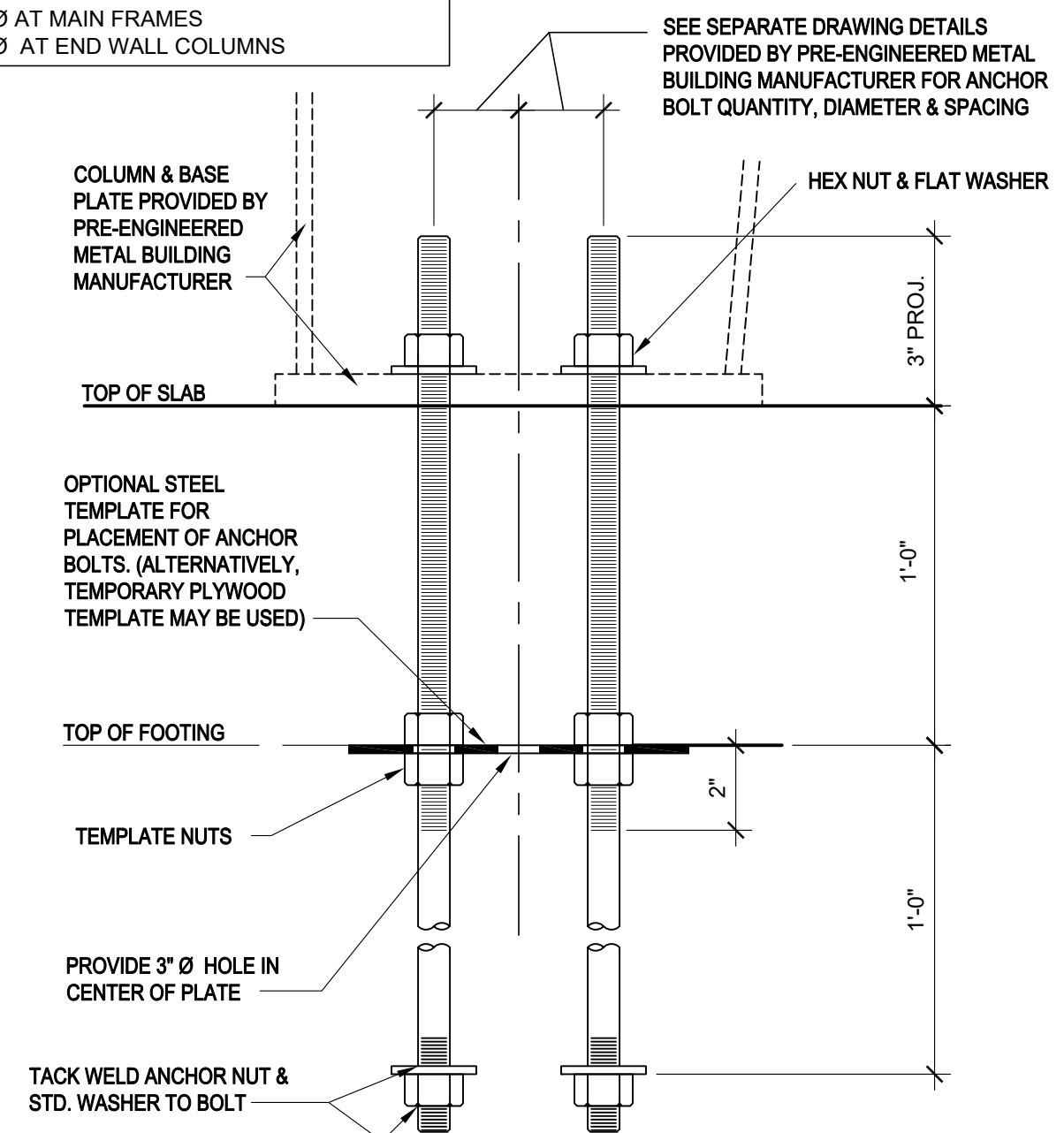
- 1 4" THICK CONCRETE SLAB REINFORCED W/ #3's @ 18" O.C. EACH WAY (PLACED AT MID-HEIGHT OF SLAB) OVER 10 MIL. POLYETHYLENE VAPOR RETARDER OVER COMPACTED SUB-BASE MATERIAL (AS DIRECTED BY THE GEOTECHNICAL REPORT OR ONSITE GEOTECHNICAL ENGINEER) OVER PROPERLY PREPARED SUBGRADE. FINISH FLOOR EL. = 100'-0" (SITE PLAN EQUIVALENT = 892'-0"). COORDINATE INSTALLATION OF DRAINS AND UNDER SLAB MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS WITH MEP AND ARCHITECTURAL DRAWINGS.
- 2 SLAB HAIR PIN, REFER TO DETAIL 4/S-101
- 3 CONTROL OR CONSTRUCTION JOINT SEE DETAILS 2 & 3/S-101
- 4 SEE DETAIL 6/S-101 AT SHOWER DRAIN INSERT LOCATIONS, REFER TO PLUMBING DRAWINGS FOR QUANTITY, TYPE AND EXACT LOCATIONS. SLOPE SLAB AS REQUIRED FOR POSITIVE DRAINAGE AT EACH SHOWER DRAIN.
- 5 FLOOR DRAIN INSERTS, REFER TO PLUMBING DRAWINGS FOR QUANTITY, TYPE AND EXACT LOCATIONS

FOUNDATION SCHEDULE

MARK	FOOTING SIZE (W x L x T)	FOOTING REINFORCEMENT (E.W. TOP & BOTTOM)	TOP OF FOOTING ELEVATION	MARK
F1	4'-0"x4'-0"x2'-0"	(6) #4's EACH WAY (T&B)	99'-0"	F1
F2	3'-6"x3'-6"x2'-0"	(5) #4's EACH WAY (T&B)	99'-0"	F2
F3	3'-6"x3'-6"x2'-0"	(5) #4's EACH WAY (T&B)	99'-0"	F3

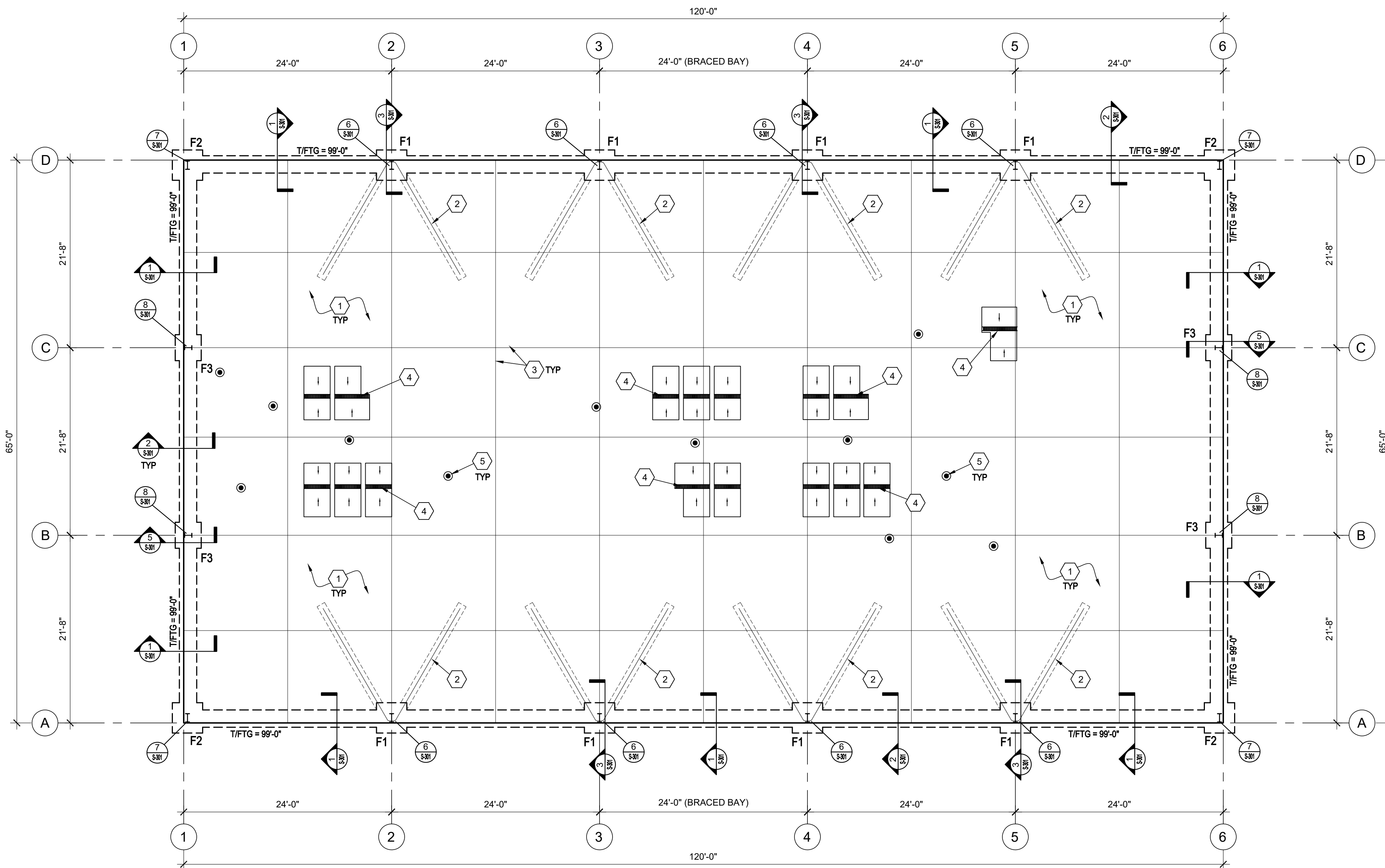
- NOTES:
1. ALL ANCHOR BOLTS SHALL BE SIZE, QUANTITY AND SPACING AS SPECIFIED BY THE PRE-ENGINEERED METAL BUILDING MANUFACTURER. MAINTAIN 3" MINIMUM CONCRETE COVER AROUND BOLTS. TIES SHALL WRAP AROUND ANCHOR BOLTS.
 2. COLUMN BASE PLATES ARE TO REST ON TOP OF SLAB. PROVIDE LEVEL BEARING SURFACE FOR EVEN CONTACT.
 3. COLUMN FOOTING REINFORCEMENT TO BE INTEGRAL WITH CONTINUOUS FOUNDATION REINFORCEMENT (WHERE APPLICABLE).
 4. ALL SPREAD FOOTINGS ARE TO BE CENTERED BENEATH COLUMNS UNLESS NOTED OTHERWISE.

NOTE: PEMB SUPPLIER MUST SUBMIT SHOP DRAWINGS FOR REVIEW BY ENGINEER OF RECORD PRIOR TO FABRICATION. MINIMUM ANCHOR BOLT EDGE DISTANCE = 3" MINIMUM ANCHOR BOLT SPACING = 3" MINIMUM ANCHOR BOLT DIAMETER: 3/8" AT MAIN FRAMES 1/2" AT END WALL COLUMNS



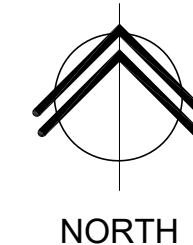
NOTE: GENERAL CONTRACTOR PROVIDED ANCHOR BOLT ASSEMBLY TO BE PLACED IN FORM PRIOR TO POURING CONCRETE. BOLT MATERIAL MAY BE F1554 GR. 36, OR CONTINUOUSLY THREADED A36 ROD. ALL ANCHOR BOLTS SHALL BE CLEAN AND FREE OF ALL OIL, GREASE, ICE, ETC.

TYP. ANCHOR BOLT ASSEMBLY 7 S-101

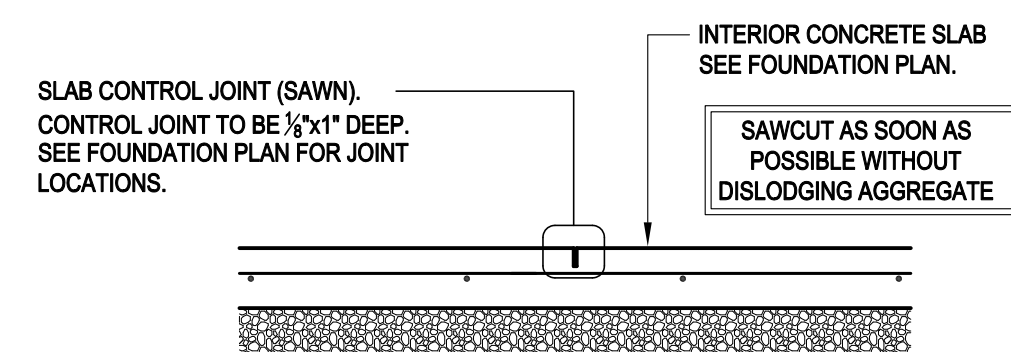


NOTE: COORDINATE UNDER-SLAB MEP REQUIREMENTS PRIOR TO POURING CONCRETE. REFER TO PLUMBING DRAWINGS AND FLOOR PLAN FOR FLOOR DRAIN INSERT QUANTITY, SIZE AND LOCATION.

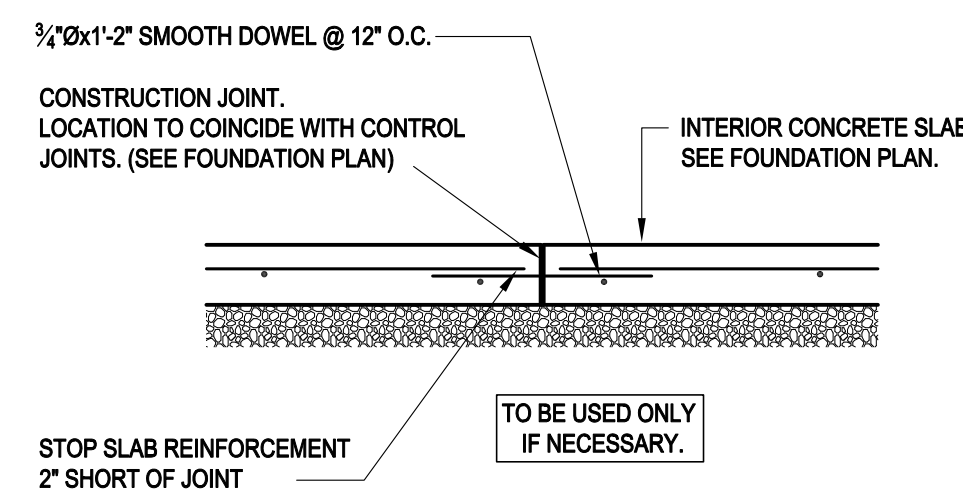
FOUNDATION PLAN 1 S-101
1/8" = 1'-0"



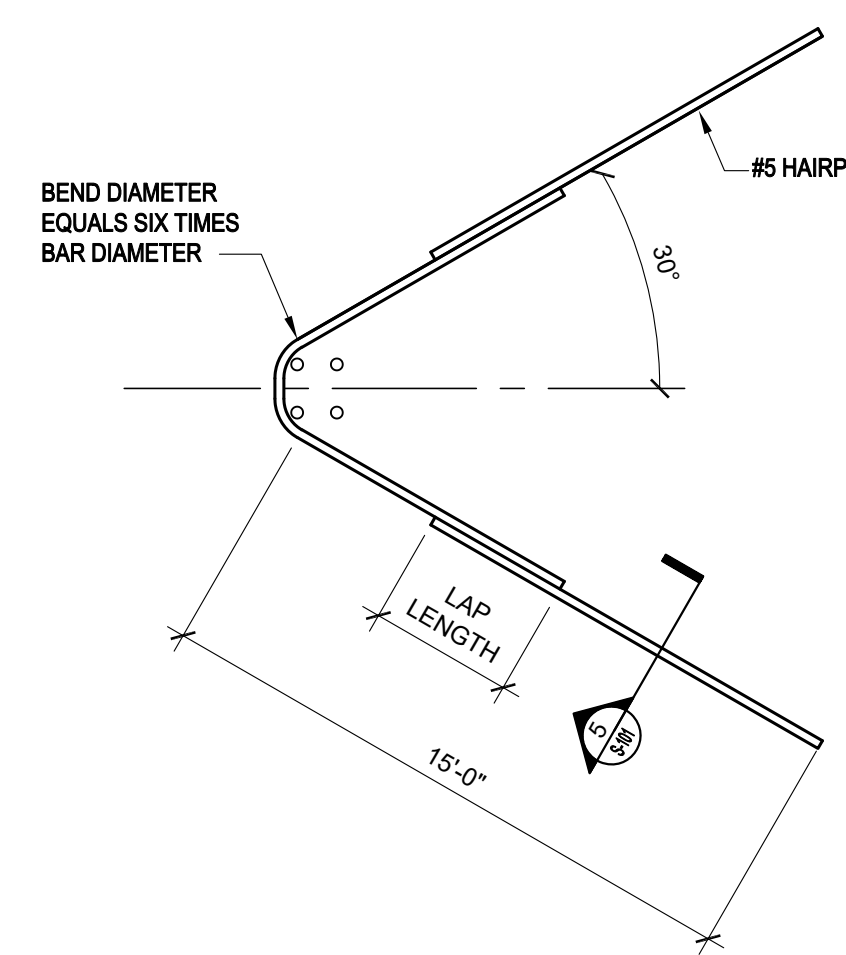
NORTH



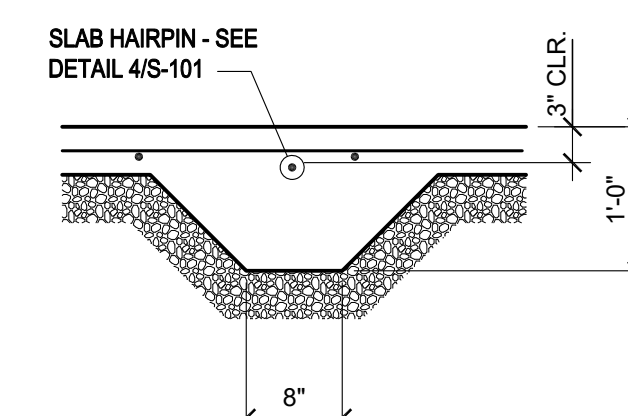
TYP. CONTROL JOINT DETAIL 2 S-101



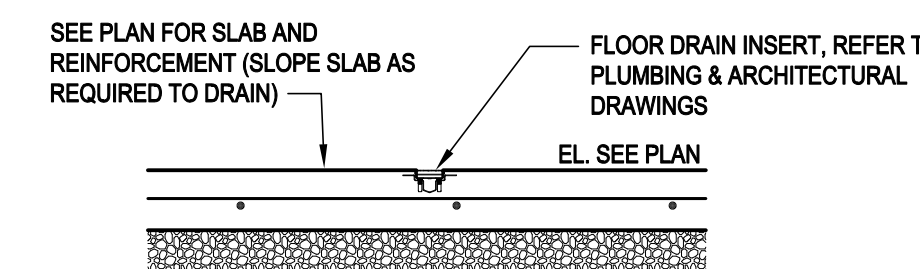
TYP. CONSTRUCTION JOINT DETAIL 3 S-101



SLAB HAIRPIN 4 S-101



SECTION 5 S-101
3/4" = 1'-0"

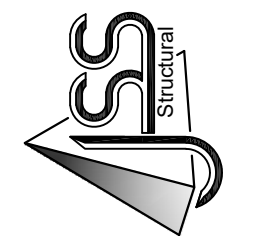


SECTION 6 S-101
3/4" = 1'-0"



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PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING #446

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REVISION: _____
DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-S-102
DRAWN BY: MW
CHECKED BY: AS
DESIGNED BY: AS

SHEET TITLE:
INTERIOR FRAMING
PLAN

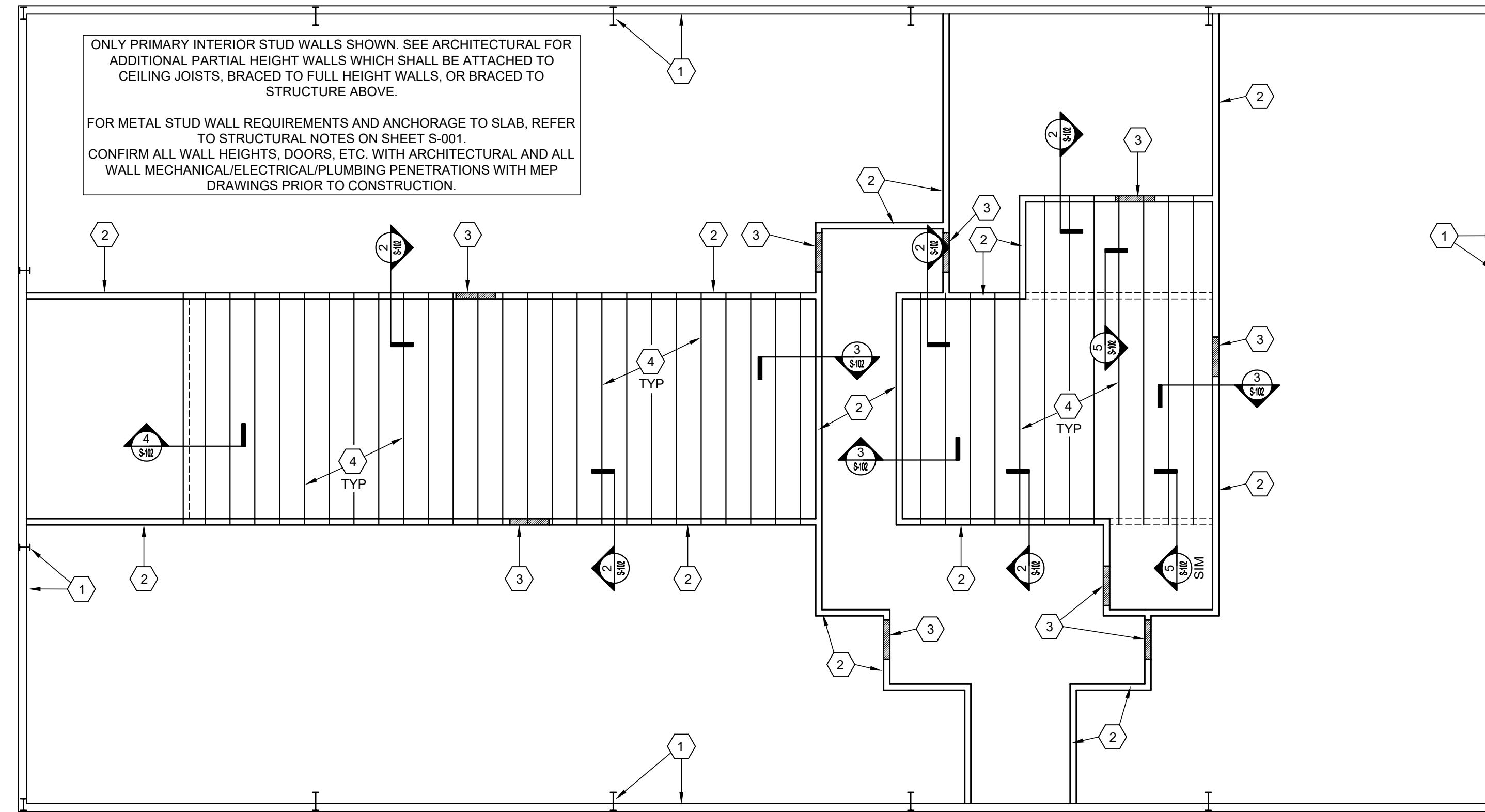
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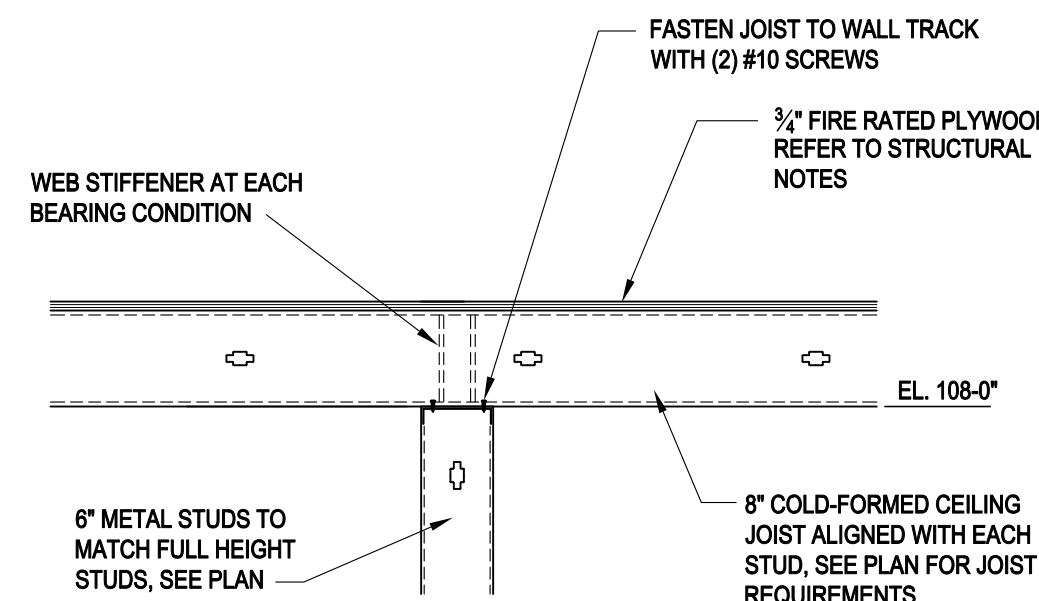
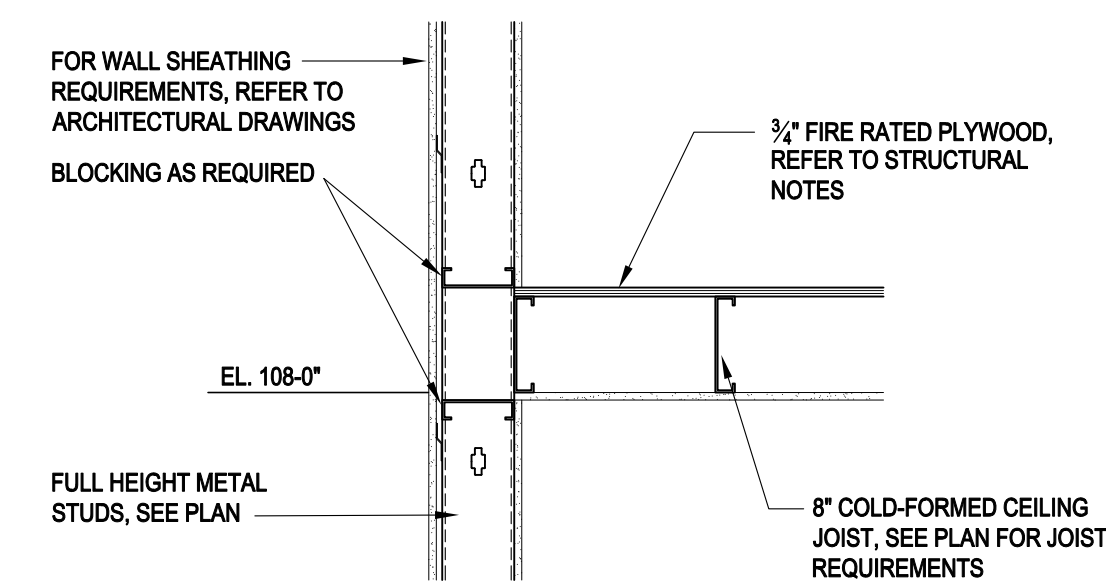
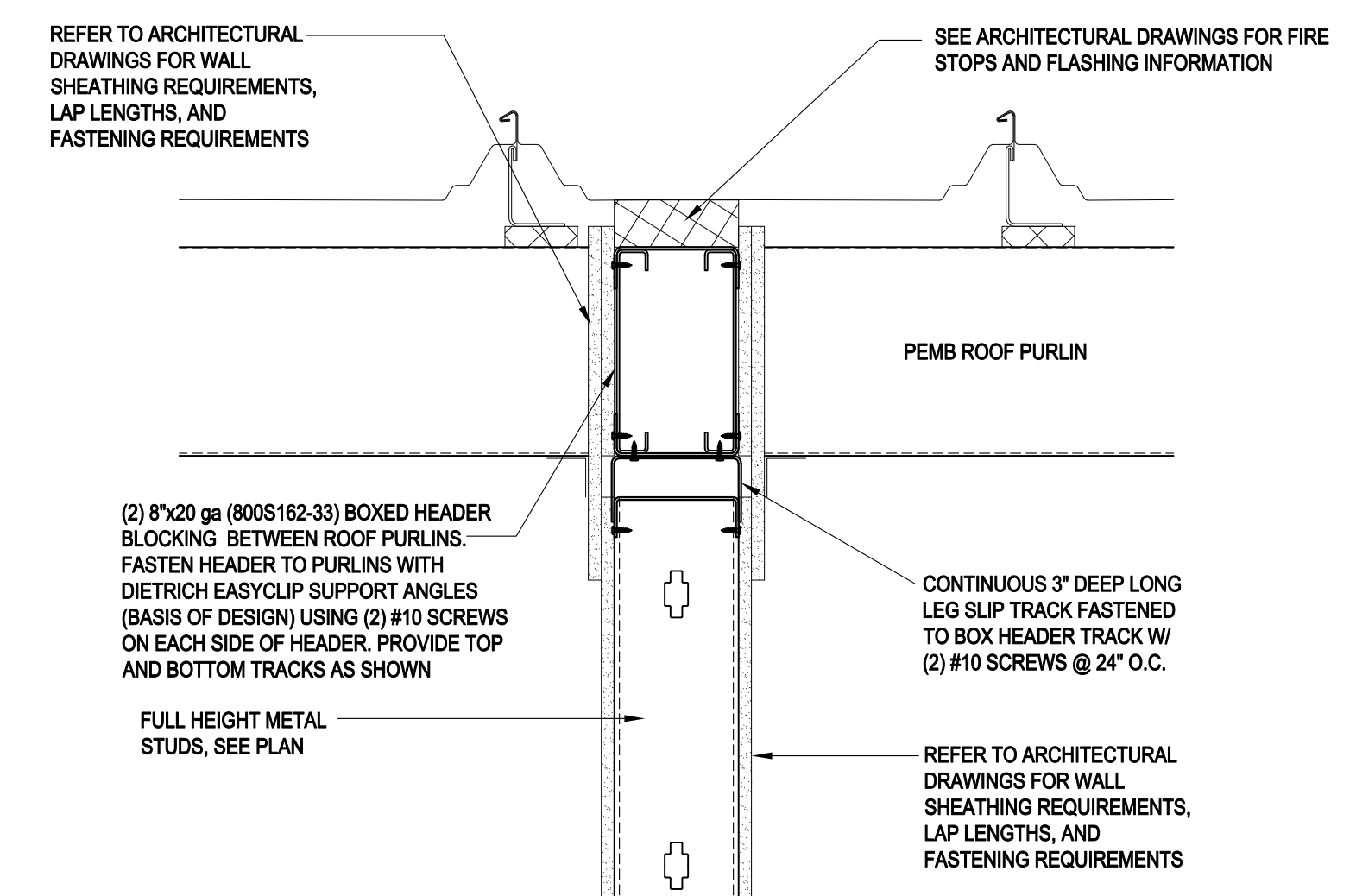
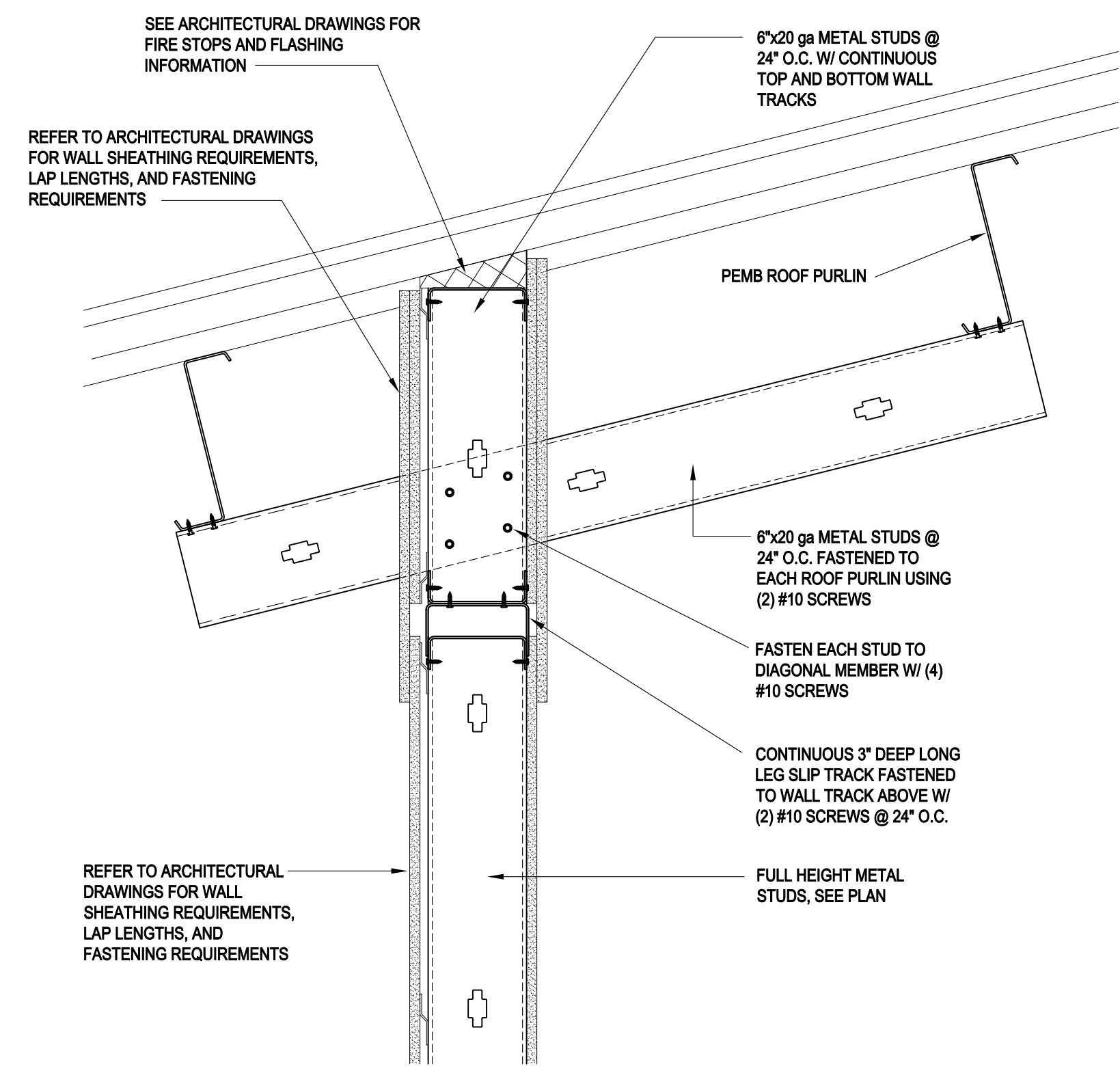
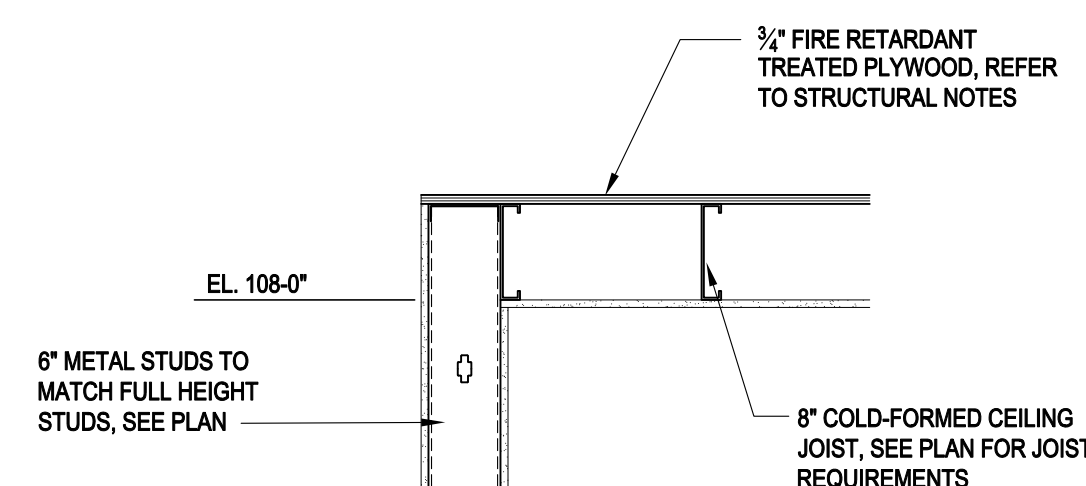
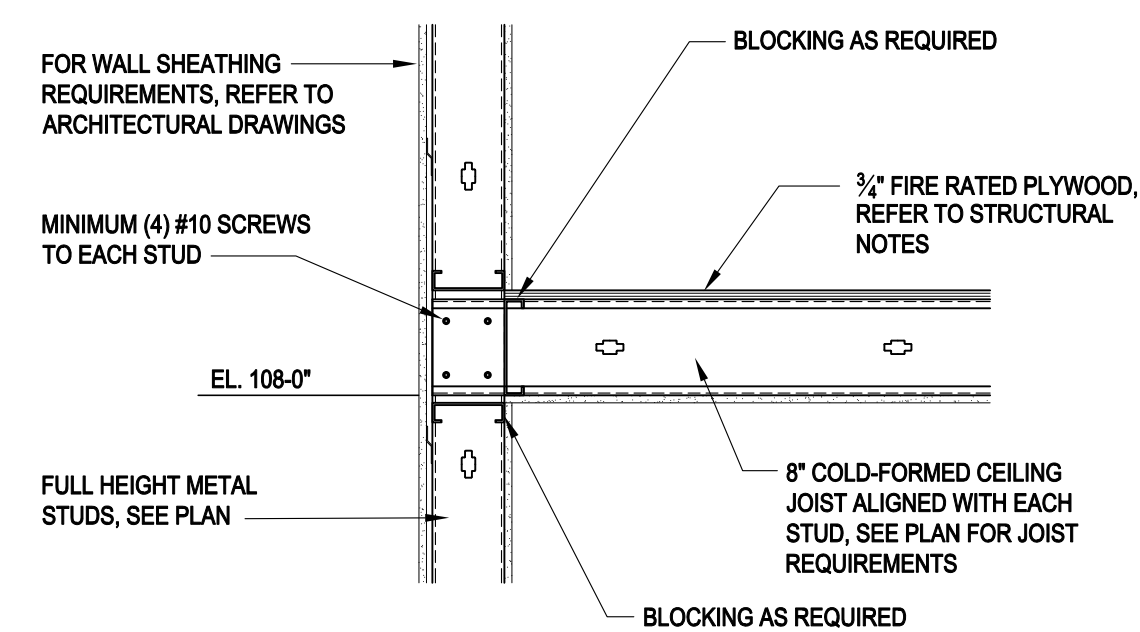
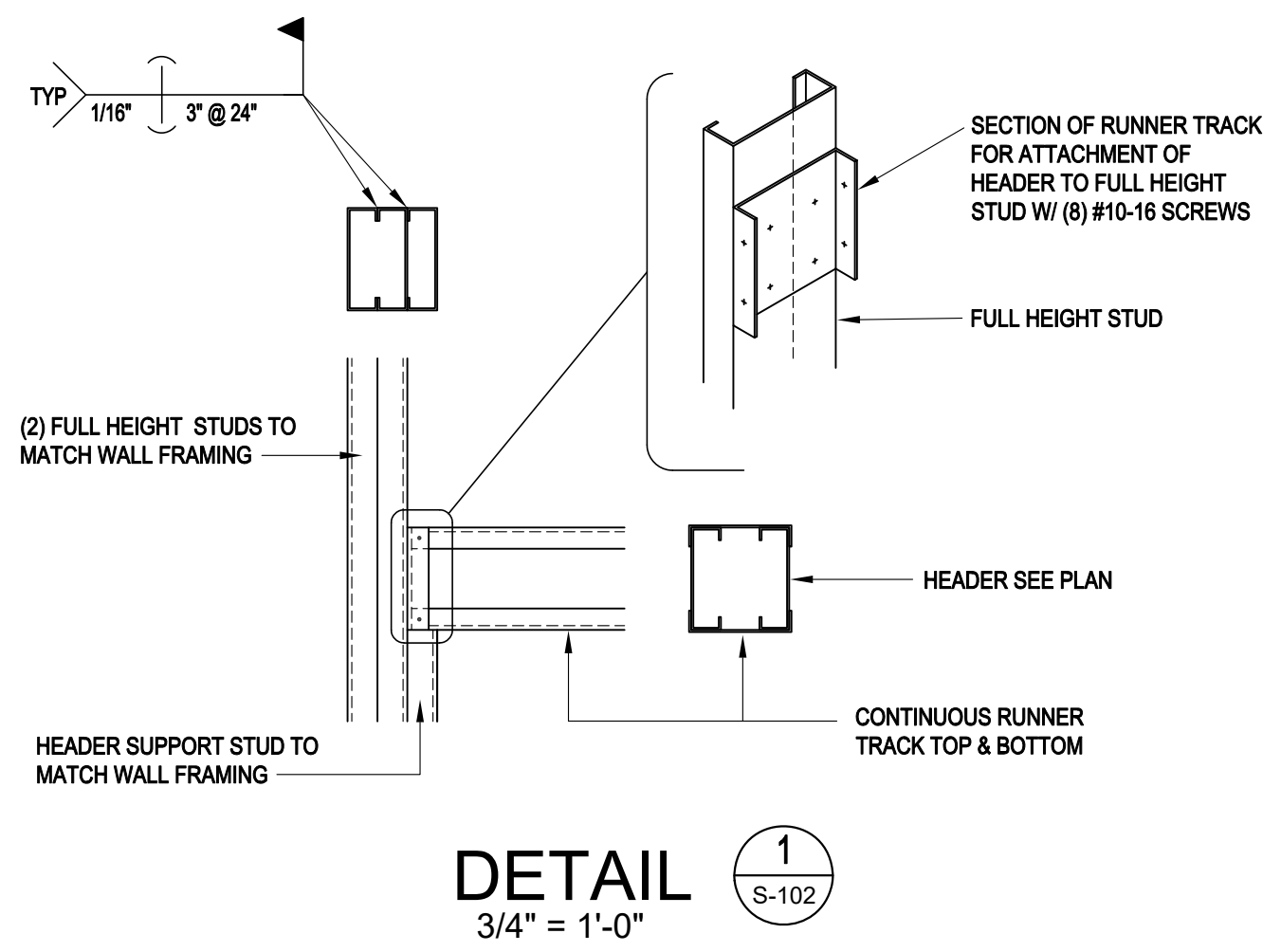
12 OF 34 SHEETS
06/03/2026

INTERIOR FRAMING PLAN KEY NOTES:

- 1 PRE-ENGINEERED METAL BUILDING FRAME AND WALL GIRT SYSTEM. REFER TO PEMB ERECTION DRAWINGS FOR ADDITIONAL INFORMATION
- 2 6"x20 ga (800S162-33) METAL STUDS @ 24" O.C. EXTENDING TO ROOF DECK. SEE SECTIONS 6 & 7/S-102 FOR TYPICAL CONNECTIONS. PROVIDE ADDITIONAL STUDS AT SHOWER LOCATIONS AS INDICATED ON ARCHITECTURAL DRAWINGS. REFER TO STRUCTURAL NOTES SHEET S-001 FOR ADDITIONAL COLD-FORMED STEEL REQUIREMENTS
- 3 (MINIMUM (2) 8"x16 ga (800S162-54) BOXED HEADER AT ALL OPENINGS IN FULL HEIGHT STUD WALLS (INCLUDING ALL MECHANICAL PENETRATIONS LARGER THAN 18"). REFER TO DETAIL 1/S-102 FOR TYPICAL HEADER BEARING CONDITIONS. SEE ARCHITECTURAL FOR OPENING SIZE AND LOCATION REQUIREMENTS.
- 4 3/4" FIRE RETARDANT TREATED PLYWOOD SHEATHING OVER 8"x16 ga (800S162-54) METAL JOISTS @ 24" O.C. SEE STRUCTURAL NOTES SHEET S-001 FOR ADDITIONAL COLD-FORMED STEEL REQUIREMENTS



1 S-102 INTERIOR FRAMING PLAN



SECTION 3
3/4" = 1'-0"

SECTION 5
3/4" = 1'-0"

SECTION 6
1 1/2" = 1'-0"

SECTION 7
1 1/2" = 1'-0"



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NEVADA, MISSOURI

PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING #446

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/03/2026

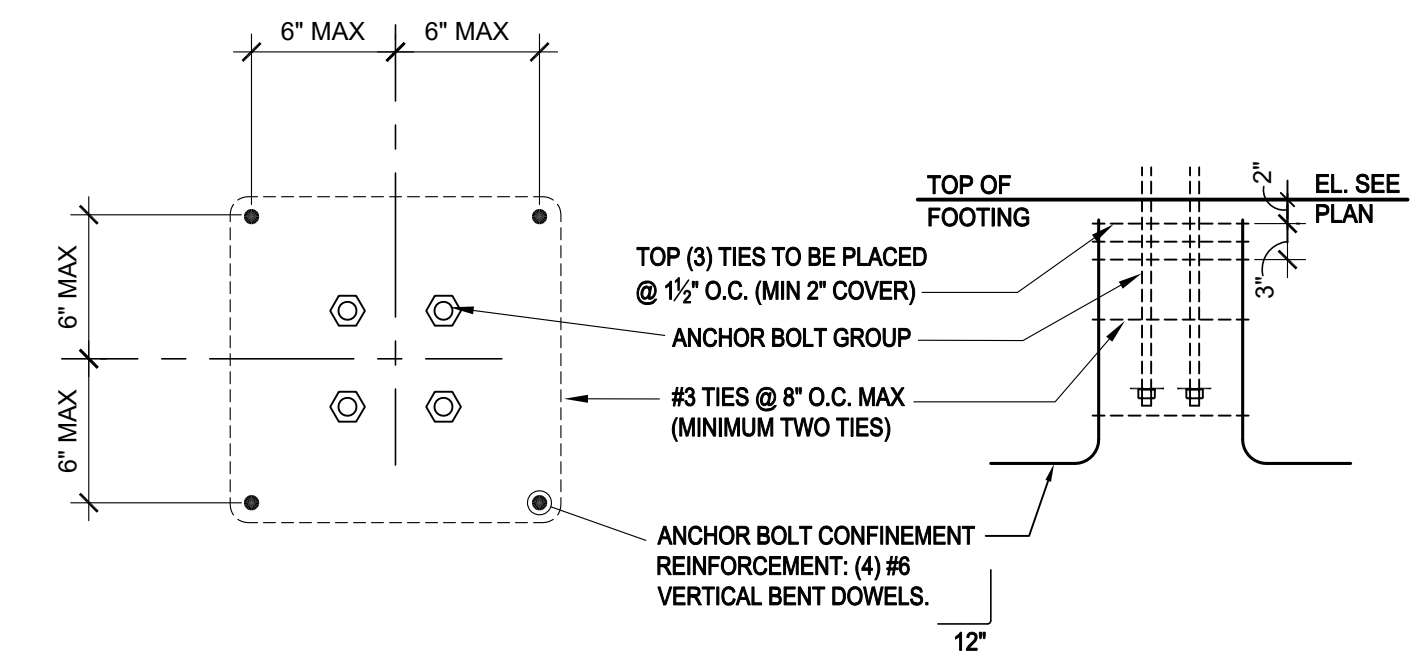
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DRAWN BY: MW
CHECKED BY: AS
DESIGNED BY: AS

SHEET TITLE:
FOUNDATION
DETAILS

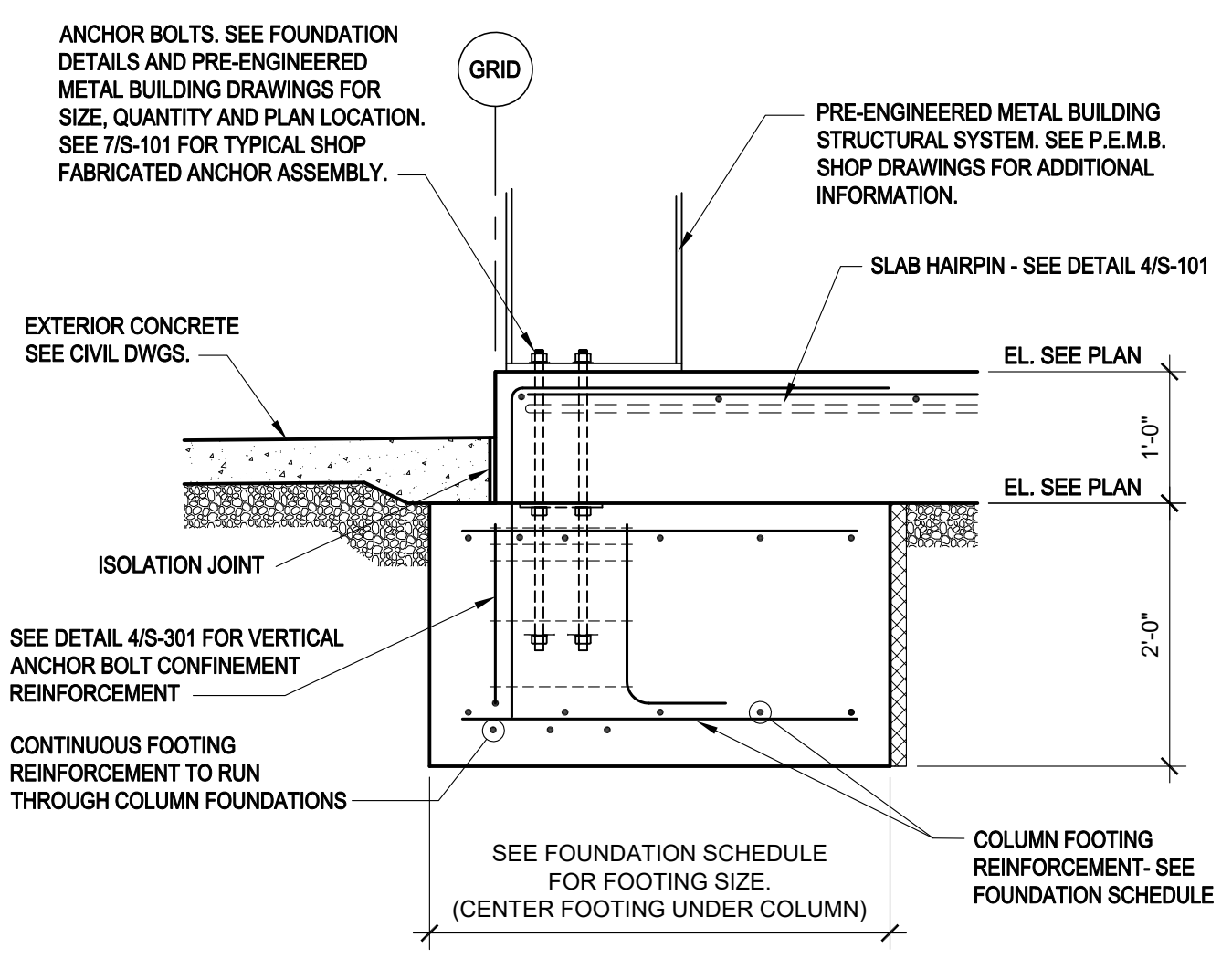
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S-301

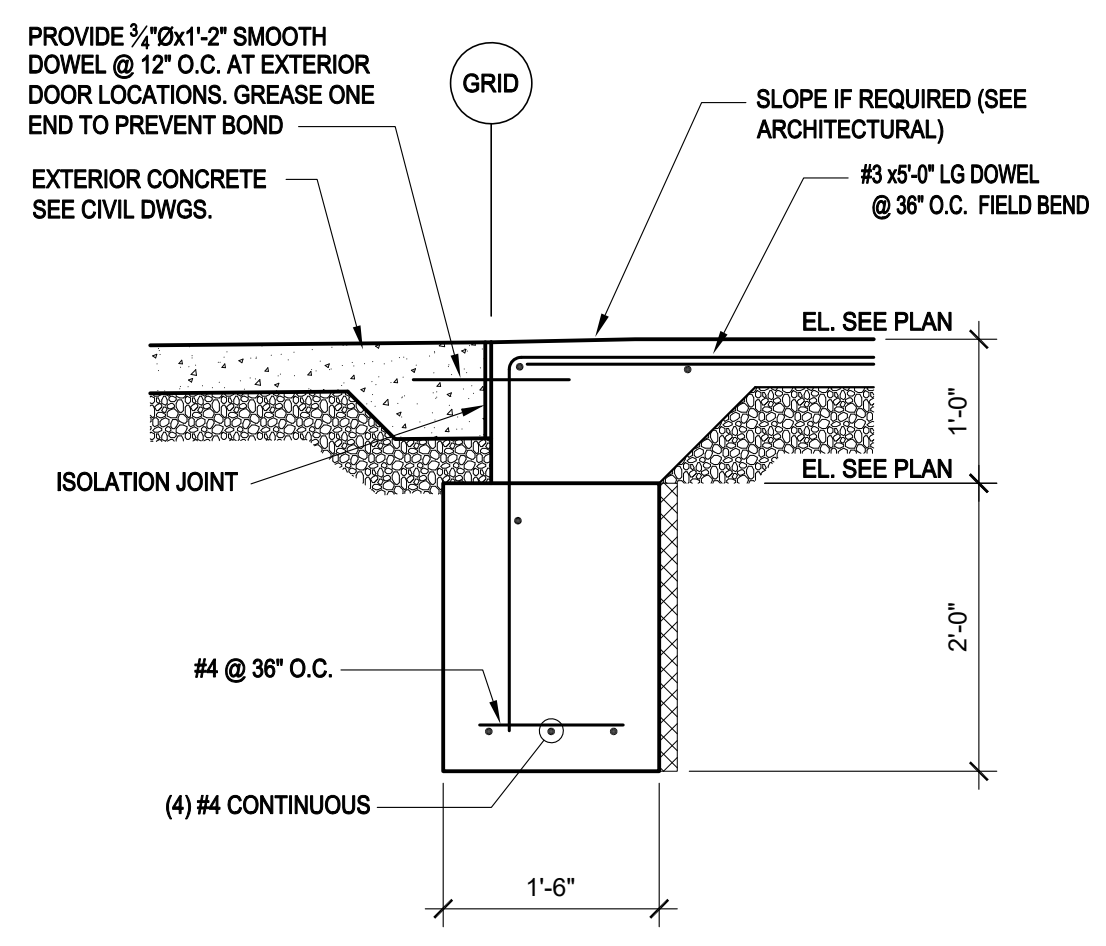
13 OF 34 SHEETS
06/03/2026



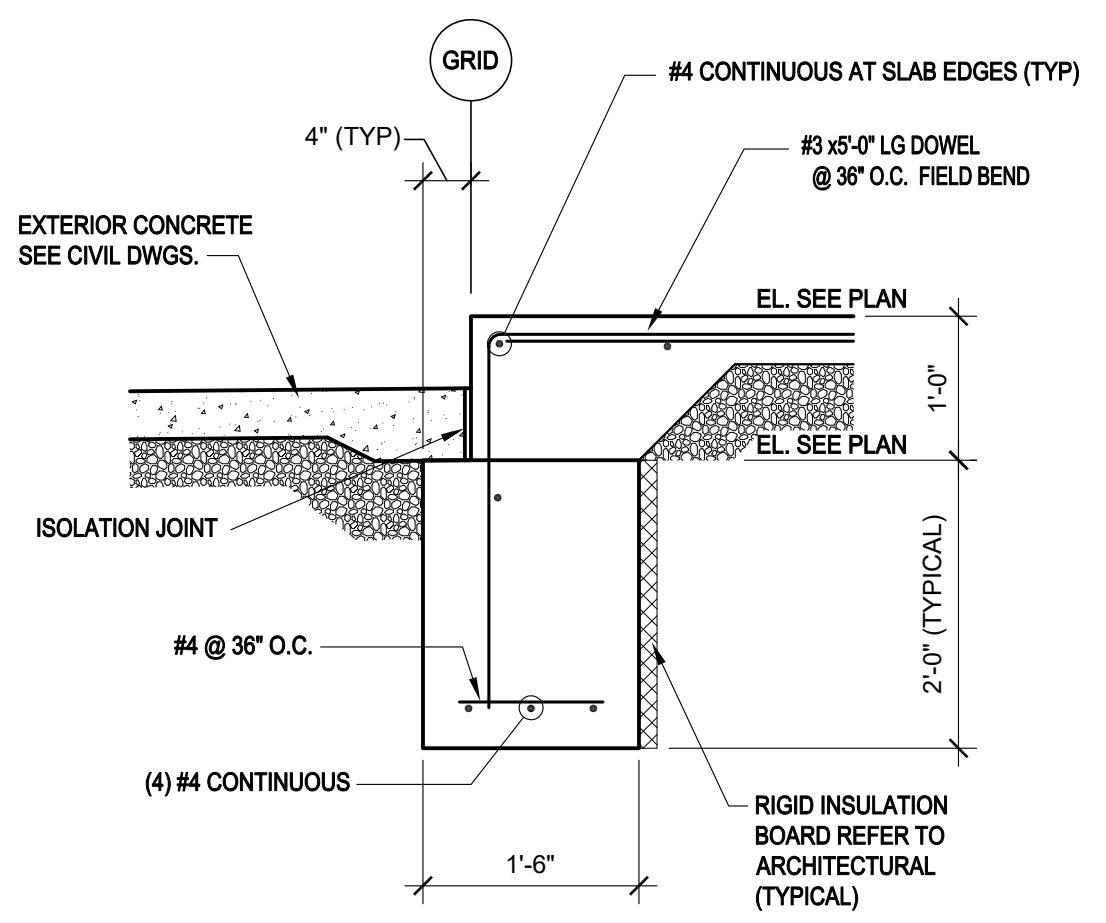
DETAIL 4
S-301



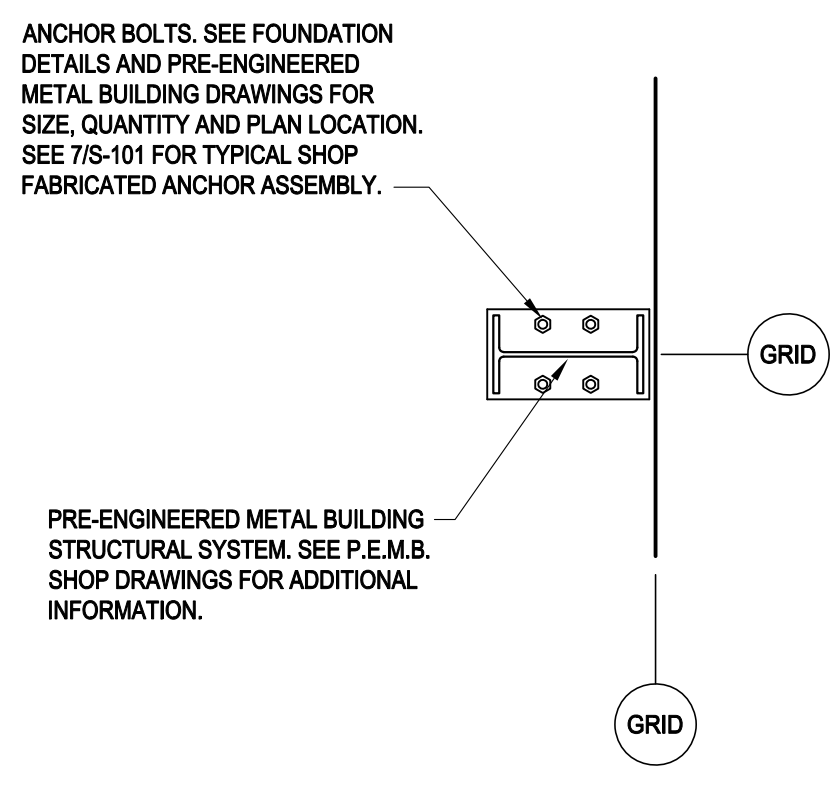
SECTION 3
3/4" = 1'-0"
S-301



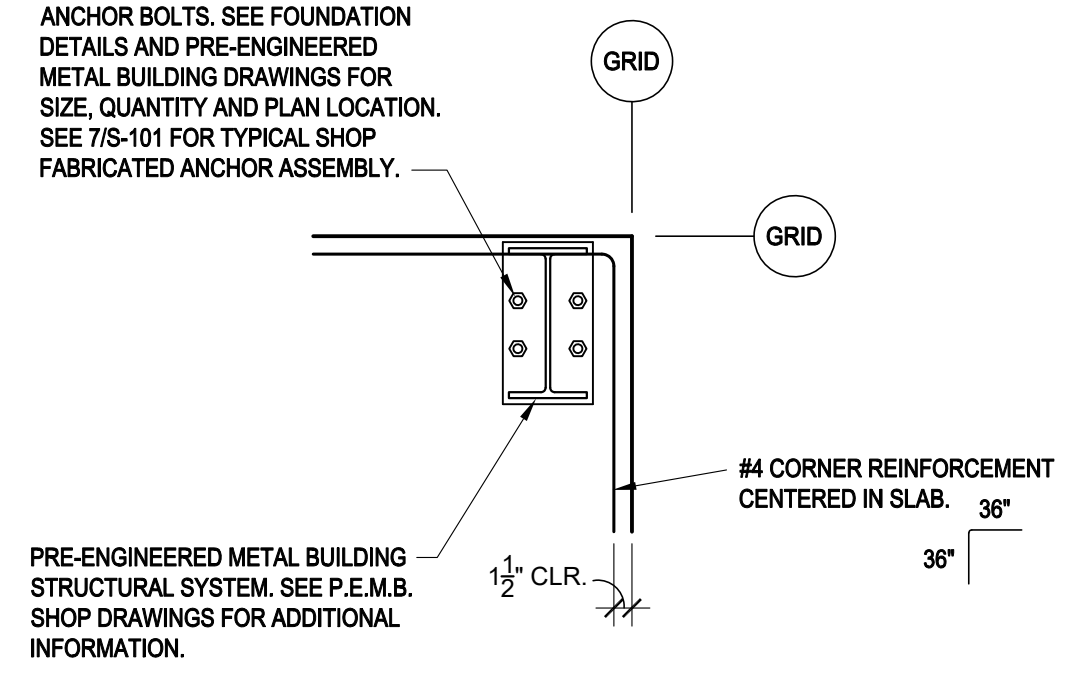
SECTION 2
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S-301



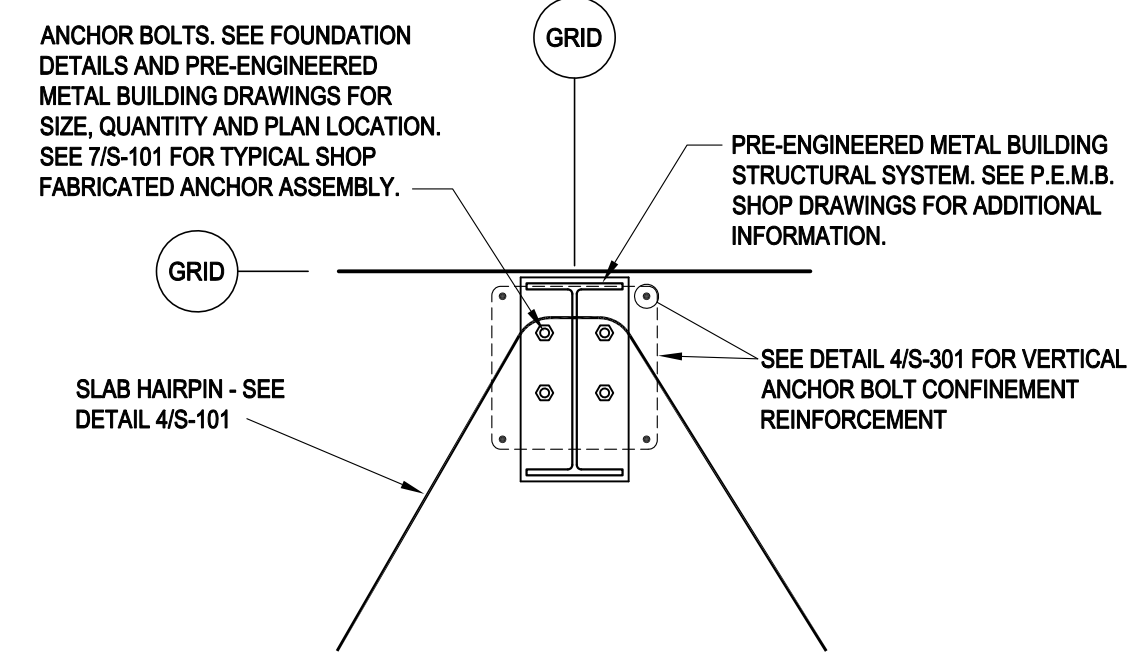
SECTION 1
3/4" = 1'-0"
S-301



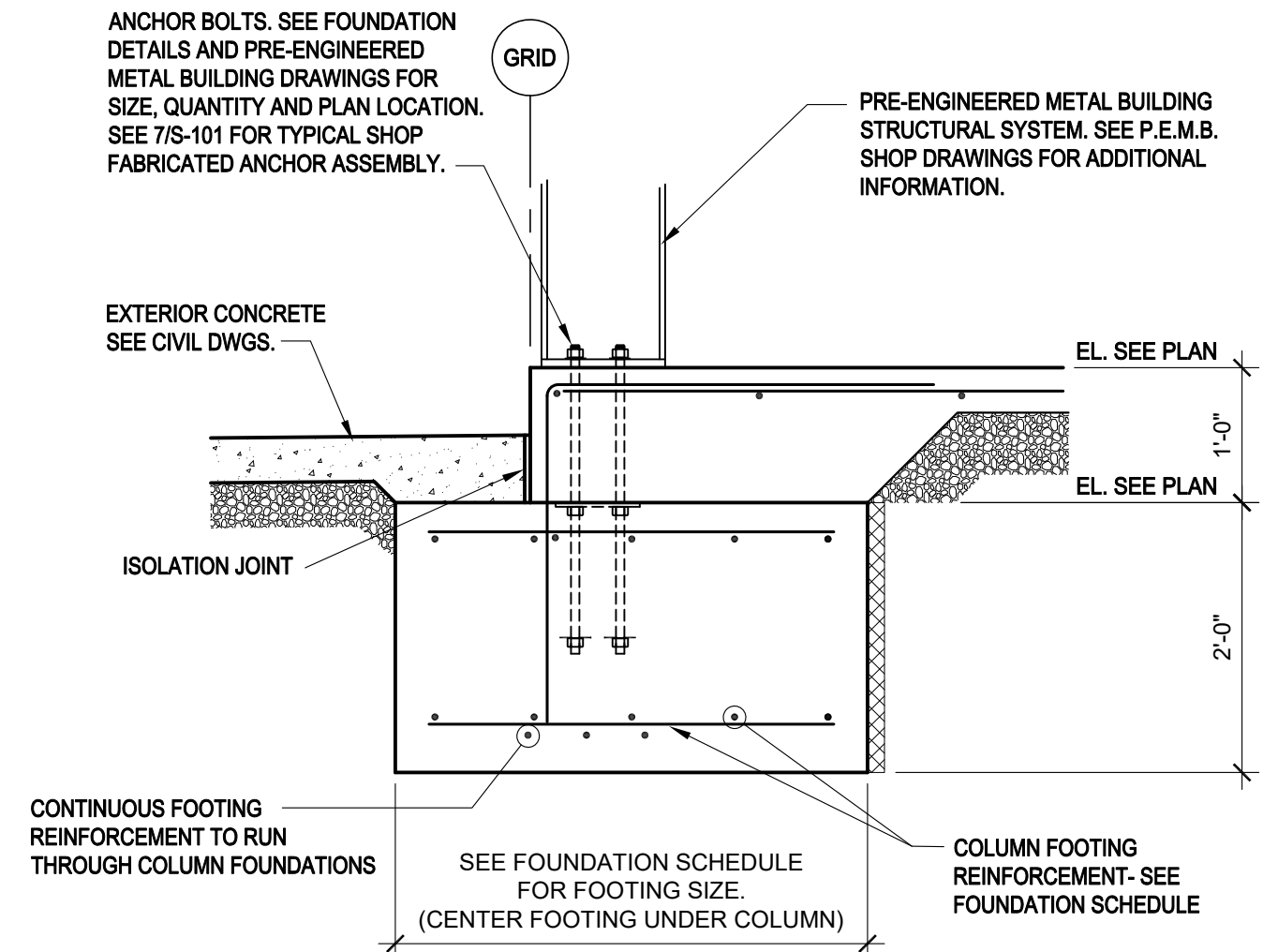
DETAIL 8
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S-301



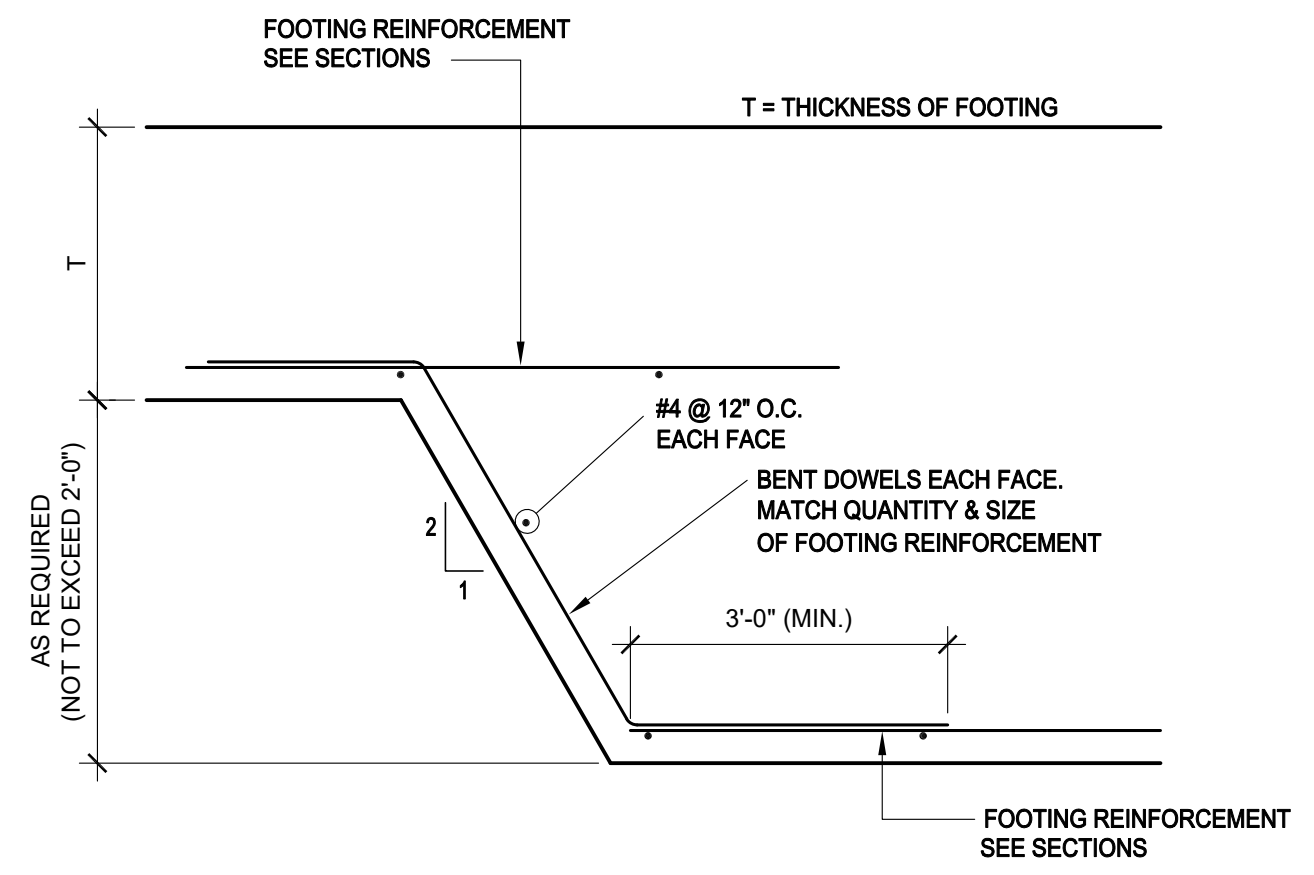
DETAIL 7
3/4" = 1'-0"
S-301



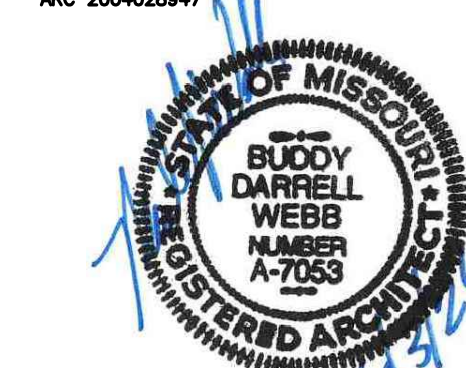
DETAIL 6
3/4" = 1'-0"
S-301



SECTION 5
3/4" = 1'-0"
S-301



TYPICAL FOOTING STEP
(IF REQUIRED)
9
S-301



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DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-A-101
DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
FLOOR PLAN
(ALTERNATES
NO. 1 & 2)

SHEET NUMBER:

A-101

14 OF 34 SHEETS
06/03/2026

WALL TYPES

NOTE:
REFER TO INTERIOR WALL AND CEILING GENERAL NOTES FOR
ADDITIONAL REQUIREMENTS.

S41 COLD FORM METAL FRAMING WALL:
-362S162-33 (3 5/8"-20 GA.) COLD FORM METAL STUD
FRAMING AT 24" O.C.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON
EXPOSED SIDE.
-EXTEND ASSEMBLY TO 10'-6" ABOVE FINISH FLOOR.

S42 COLD FORM METAL FRAMING WALL:
-362S162-33 (3 5/8"-20 GA.) COLD FORM METAL STUD
FRAMING AT 24" O.C. AND 16" O.C. AT CEMENT
BACKING BOARD LOCATIONS.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON
EXPOSED SIDE. (PROVIDE 5/8" CEMENT BACKING
BOARD AT SHOWER ENCLOSURE SURFACES IN LIEU
OF GYPSUM BOARD).
-EXTEND ASSEMBLY TO 8'-0" ABOVE FINISH FLOOR.

S43 COLD FORM METAL FRAMING WALL:
-362S162-33 (3 5/8"-20 GA.) COLD FORM METAL STUD
FRAMING AT 24" O.C. AND 16" O.C. AT CEMENT
BACKING BOARD LOCATIONS.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH
SIDES. (PROVIDE 5/8" CEMENT BACKING BOARD AT
SHOWER ENCLOSURE SURFACES IN LIEU OF
GYPSUM BOARD).
-EXTEND ASSEMBLY TO 8'-0" ABOVE FINISH FLOOR.

S44 COLD FORM METAL FRAMING WALL:
-362S162-33 (3 5/8"-20 GA.) COLD FORM METAL STUD
FRAMING AT 24" O.C.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH
SIDES.
-EXTEND ASSEMBLY TO 10'-6" ABOVE FINISH FLOOR.

S45 COLD FORM METAL FRAMING WALL:
-362S162-33 (3 5/8"-20 GA.) COLD FORM METAL STUD
FRAMING AT 24" O.C.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH
SIDES.
-EXTEND ASSEMBLY TO 9'-6" ABOVE FINISH FLOOR.

S46 COLD FORM METAL FRAMING WALL:
-362S162-33 (3 5/8"-20 GA.) COLD FORM METAL STUD
FRAMING AT 24" O.C.
-50F125-18 (1/2"-25 GA.) COLD FORM RESILIENT
CHANNELS HORIZONTAL AT 24" O.C. ON ONE SIDE
WITH OUTSIDE LEG UP.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH
SIDES.
-EXTEND ASSEMBLY TO 10'-6" ABOVE FINISH FLOOR.

S61 COLD FORM METAL FRAMING WALL:
-600S162-33 (6"-20 GA.) COLD FORM METAL STUD
FRAMING AT 24" O.C.
-6" UNFACED SOUND ATTENUATION BATT
INSULATION IN CAVITY.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON
EXPOSED SIDE.
-EXTEND ASSEMBLY TO 8'-0" ABOVE FINISH FLOOR.

S62 COLD FORM METAL FRAMING WALL:
-600S162-33 (6"-20 GA.) COLD FORM METAL STUD
FRAMING AT 24" O.C.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON
EXPOSED SIDE.
-EXTEND ASSEMBLY TO 8'-0" ABOVE FINISH FLOOR.

S63 COLD FORM METAL FRAMING WALL:
-600S162-33 (6"-20 GA.) COLD FORM METAL STUD
FRAMING AT 24" O.C. AND 16" O.C. AT CEMENT
BACKING BOARD LOCATIONS)
-6" UNFACED SOUND ATTENUATION BATT
INSULATION IN CAVITY.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH
SIDES. (PROVIDE 5/8" CEMENT BACKING BOARD AT
SHOWER ENCLOSURE SURFACES IN LIEU OF
GYPSUM BOARD)
-EXTEND ASSEMBLY TO 8'-0" ABOVE FINISH FLOOR.

S64 COLD FORM METAL FRAMING WALL:
-600S162-33 (6"-20 GA.) COLD FORM METAL STUD
FRAMING AT 24" O.C. AND 16" O.C. AT CEMENT
BACKING BOARD LOCATIONS.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH
SIDES. (PROVIDE 5/8" CEMENT BACKING BOARD AT
SHOWER ENCLOSURE SURFACES IN LIEU OF
GYPSUM BOARD)
-EXTEND ASSEMBLY TO BOTTOM OF ROOF DECK.
-(1) HOUR FIRE RATED PARTITION EQUAL TO UL
DESIGN NO. U419 ASSEMBLY.

S65 COLD FORM METAL FRAMING WALL:
-600S162-33 (6"-20 GA.) COLD FORM METAL STUD
FRAMING AT 24" O.C. AND 16" O.C. AT CEMENT
BACKING BOARD LOCATIONS)
-6" UNFACED SOUND ATTENUATION BATT
INSULATION IN CAVITY.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH
SIDES. (PROVIDE 5/8" CEMENT BACKING BOARD AT
SHOWER ENCLOSURE SURFACES IN LIEU OF
GYPSUM BOARD)
-EXTEND ASSEMBLY TO BOTTOM OF ROOF DECK.
-(1) HOUR FIRE RATED PARTITION EQUAL TO UL
DESIGN NO. U419 ASSEMBLY.

S66 COLD FORM METAL FRAMING WALL:
-600S162-33 (6"-20 GA.) COLD FORM METAL STUD
FRAMING AT 24" O.C. AND 16" O.C. AT CEMENT
BACKING BOARD LOCATIONS.
-50F125-18 (1/2"-25 GA.) COLD FORM RESILIENT
CHANNELS HORIZONTAL AT 24" O.C. ON ONE SIDE
WITH OUTSIDE LEG UP.
-6" UNFACED SOUND ATTENUATION BATT
INSULATION IN CAVITY.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH
SIDES. (PROVIDE 5/8" CEMENT BACKING BOARD AT
SHOWER ENCLOSURE SURFACES IN LIEU OF
GYPSUM BOARD)
-EXTEND ASSEMBLY TO BOTTOM OF ROOF DECK.
-(1) HOUR FIRE RATED PARTITION EQUAL TO UL
DESIGN NO. U419 ASSEMBLY.
-SOUND TRANSMISSION RATING STC 50 MINIMUM.

LP1 PRE-ENGINEERED METAL BUILDING WALL:
-PRE-ENGINEERED METAL BUILDING EXTERIOR
WALL SYSTEM (REFER TO WALL SECTIONS).
-PRE-ENGINEERED METAL BUILDING INTERIOR
SHEET METAL (28 GA.) LINER PANEL SYSTEM TO 7'-4"
ABOVE FINISH FLOOR.

GENERAL NOTES

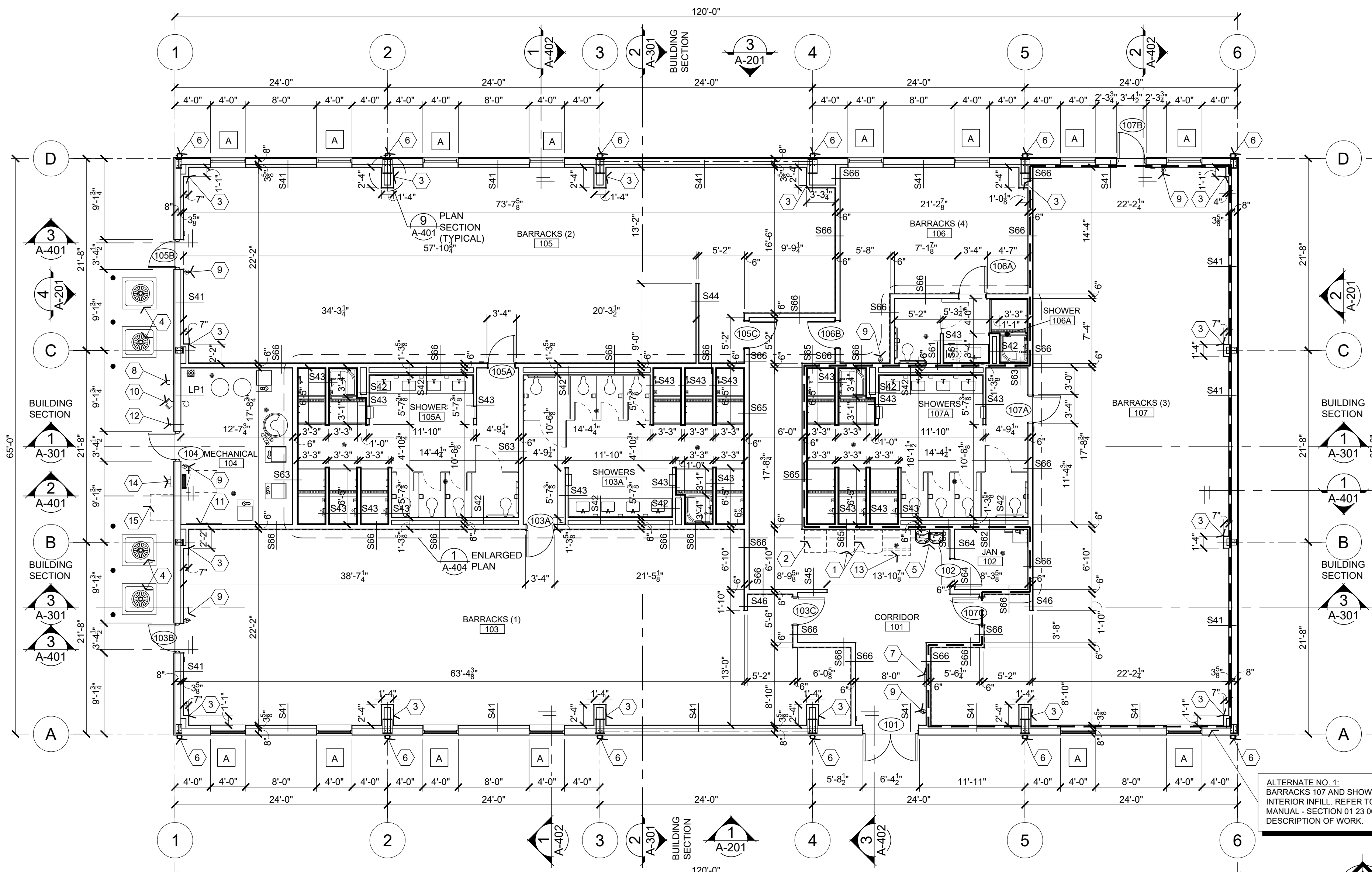
- A REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- B DIMENSION ARE TO ROUGH FACE OF FOUNDATION, PRE-ENGINEERED METAL BUILDING GIRTS, COLD-FORM METAL FRAMING, OR CENTERLINE OF STRUCTURE, UNLESS OTHERWISE INDICATED. NOTE INTERIOR 3 5/8" COLD-FORM METAL STUD WALL DIMENSIONS NOT SHOWN FOR CLARITY.
- C REFER TO SCOPE OF WORK SCHEDULE FOR ADDITIONAL REQUIREMENTS. OWNER'S FURNISHED AND INSTALLED FURNITURE AND EQUIPMENT SHOW FOR REFERENCE ONLY (N.I.C.).
- D REFER TO CODE ANALYSIS DRAWING FOR ADDITIONAL REQUIREMENTS.
- E REFER TO DRAWING A-601 FOR DOOR AND WINDOW SCHEDULES.
- F REFER TO EXTERIOR AND INTERIOR FINISH SCHEDULES FOR ADDITIONAL REQUIREMENTS.
- G REFER TO PRE-ENGINEERED METAL BUILDING SUBMITTALS FOR ADDITIONAL REQUIREMENTS. EXTERIOR WALL GIRTS TO BE 8" WIDE MAXIMUM.

KEY NOTES

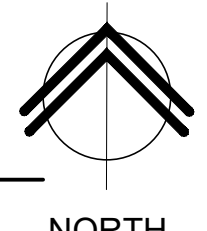
- 1 VENDING MACHINE LOCATION (BY OTHERS).
- 2 DEDICATED RECYCLING CONTAINER (BY OTHERS).
- 3 PRE-ENGINEERED METAL BUILDING STEEL COLUMN. PROVIDE WALL TYPE "S41" UNLESS OTHERWISE NOTED, AND HOLD FRAMING AS CLOSE AS POSSIBLE. REFER TO PLAN SECTION 9/A-401 (TYPICAL).
- 4 CONDENSING UNIT. REFER TO MECHANICAL DRAWINGS.
- 5 DRINKING FOUNTAIN. REFER TO PLUMBING DRAWINGS.
- 6 PRE-ENGINEERED METAL BUILDING DOWNSPOUT SYSTEM. REFER TO ROOF PLAN AND CIVIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 7 FIRE ALARM SYSTEM CONTROL PANEL. REFER TO ELECTRICAL DRAWINGS.
- 8 GAS SERVICE ENTRANCE - REFER TO UTILITY AND PLUMBING DRAWINGS.
- 9 SURFACE MOUNTED FIRE EXTINGUISHER. FIRE EXTINGUISHERS SHALL BE UL LISTED ABC TYPE, MULTIPURPOSE DRY CHEMICAL 10 LBS. MINIMUM CAPACITY. REFER TO DETAIL 3/A-501 FOR TYPICAL MOUNTING REQUIREMENTS.
- 10 FIRE DEPARTMENT CONNECTION (FDC). REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- 11 8'-0" x 4'-0" x 3/4" FIRE TREATED PLYWOOD TELEPHONE BOARD MECHANICALLY ATTACHED TO WALL. COORDINATE WITH TELECOMMUNICATION AND DATA CONTRACTOR. REFER TO ELECTRICAL DRAWINGS.
- 12 HOSE BIB. REFER TO PLUMBING DRAWINGS.
- 13 FUTURE ICE MACHINE (BY OTHERS).
- 14 ELECTRICAL METER. REFER TO ELECTRICAL DRAWINGS.
- 15 MANUAL TRANSFER SWITCH. REFER TO ELECTRICAL AND ALT. NO.2

INTERIOR WALL & CEILING NOTES

- 1. GENERAL:
A. REFER TO CODE SUMMARY DRAWINGS FOR ADDITIONAL INFORMATION ON LOCATIONS OF FIRE RATED ASSEMBLIES. EXTEND ASSEMBLIES TO INSIDE FACE OF EXTERIOR WALL OR ROOF PANELS.
- 2. FRAMING:
A. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL COLD FORM METAL FRAMING REQUIREMENTS.
B. WHERE FRAMING DOES NOT EXTEND TO BOTTOM OF DECK OR STRUCTURE, PROVIDE LATERALLY BRACE TOP OF PARTITION WALL FRAMING WITH STUDS AT 4'-0" O.C. ALTERNATING DIAGONALLY EXTENDING TO STRUCTURAL FRAMING ABOVE.
C. WHERE WALL FRAMING EXTENDS TO BOTTOM OF ROOF DECK OR STRUCTURE, PROVIDE DEFLECTION CHANNELS AT TOP TRACK FOR 2" MAXIMUM DEFLECTION.
D. PROVIDE FIRE TREATED 2X BLOCKING AS REQUIRED FOR INSTALLATION OF ACCESSORIES. PER MANUFACTURER'S RECOMMENDATIONS.
E. REFER TO OPENING HEAD, JAMB AND SILL DETAILS FOR ADDITIONAL FRAMING REQUIREMENTS.
F. PROVIDE HORIZONTAL STUD BRIDGING AT 4'-0" O.C. VERTICAL.
G. WHERE INDICATED, INSTALL RESILIENT CHANNELS WITH MOUNTING LEG TURNED DOWN, EXCEPT AT FLOOR OR PERIMETER CONDITIONS.
- 3. GYPSUM AND BACKING BOARD:
A. EXPANSION/CONTROL JOINTS: INSTALL EXPANSION/CONTROL JOINTS IN CEILINGS EXCEEDING 2500 SQ. FT. IN AREA AND IN PARTITION WALL LENGTHS EXCEEDING 30 FEET. DO NOT EXCEED A DISTANCE OF 50 FEET IN ANY DIRECTION BETWEEN CEILING JOINTS. INSTALL CONTROL JOINTS WHERE FRAMING OR FURRING CHANGES DIRECTION.
B. PROVIDE "J" MOLDING OR CORNER BEAD AT ALL DISSIMILAR WALL MATERIAL TRANSITIONS.
C. PROVIDE CEMENT BACKING BOARD AT WALL TILE FINISH LOCATIONS. SET BOTTOM FRAMING TRACK IN SOLID BED OF MASTIC. PROVIDE WATERPROOFING MEMBRANE OVER CEMENT BACKER BOARD.
D. PROVIDE MOISTURE RESISTANT TYPE "X" GYPSUM BOARD AT WET WALL AND CEILING LOCATIONS (SHOWERS AND JANITORS SINK AREAS).
- 4. INSULATION:
A. INSULATION SHALL HAVE A FLAME SPREAD RATING OF 0-25 AND A SMOKE DEVELOPMENT RATING OF 0-450.
B. PROVIDE SEALANT AND/OR FOAM IN PLACE ACOUSTICAL INSULATION ON BOTH SIDES OF FRAMING PERIMETER (TOP, BOTTOM, ENDS) OF ACOUSTICAL INSULATED INTERIOR WALLS.
- 5. FIRE STOPPING:
A. PROVIDE FIRE STOPPING AND FIRE SEALANT MATERIALS AS REQUIRED AT ALL FIRE RATED ASSEMBLY TRANSITIONS AND PENETRATIONS. RATING TO BE EQUAL TO RATED ASSEMBLY.



ALTERNATE NO. 1:
BARRACKS 107 AND SHOWER 107A
INTERIOR INFILL. REFER TO PROJECT
MANUAL - SECTION 01 23 00 FOR
DESCRIPTION OF WORK.



SYMBOLS LEGEND

- (101) DOOR MARK, REFER TO DOOR SCHEDULE.
- (2) KEY NOTE, REFER TO KEY NOTES
- A WINDOW MARK, REFER TO WINDOW SCHEDULE
- BARRACKS (3) ROOM MARK
- SXX WALL TYPE, REFER TO WALL TYPES
- AREA OF ALTERNATE NO. 1

1 FLOOR PLAN
A-101 1/8" = 1'-0"



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DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY
MISSOURI ARMY
NATIONAL GUARD

CONSTRUCT NEW
60 SOLDIER BARRACKS

CAMP CLARK
TRAINING SITE
18159 SOUTH K HIGHWAY
NEVADA, MISSOURI

PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING # 446

REVISION:
DATE: _____
REVISION:
DATE: _____
REVISION:
DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-A-102
DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
ROOF PLAN

SHEET NUMBER:

A-102

15 OF 34 SHEETS
06/03/2026

KEY NOTES

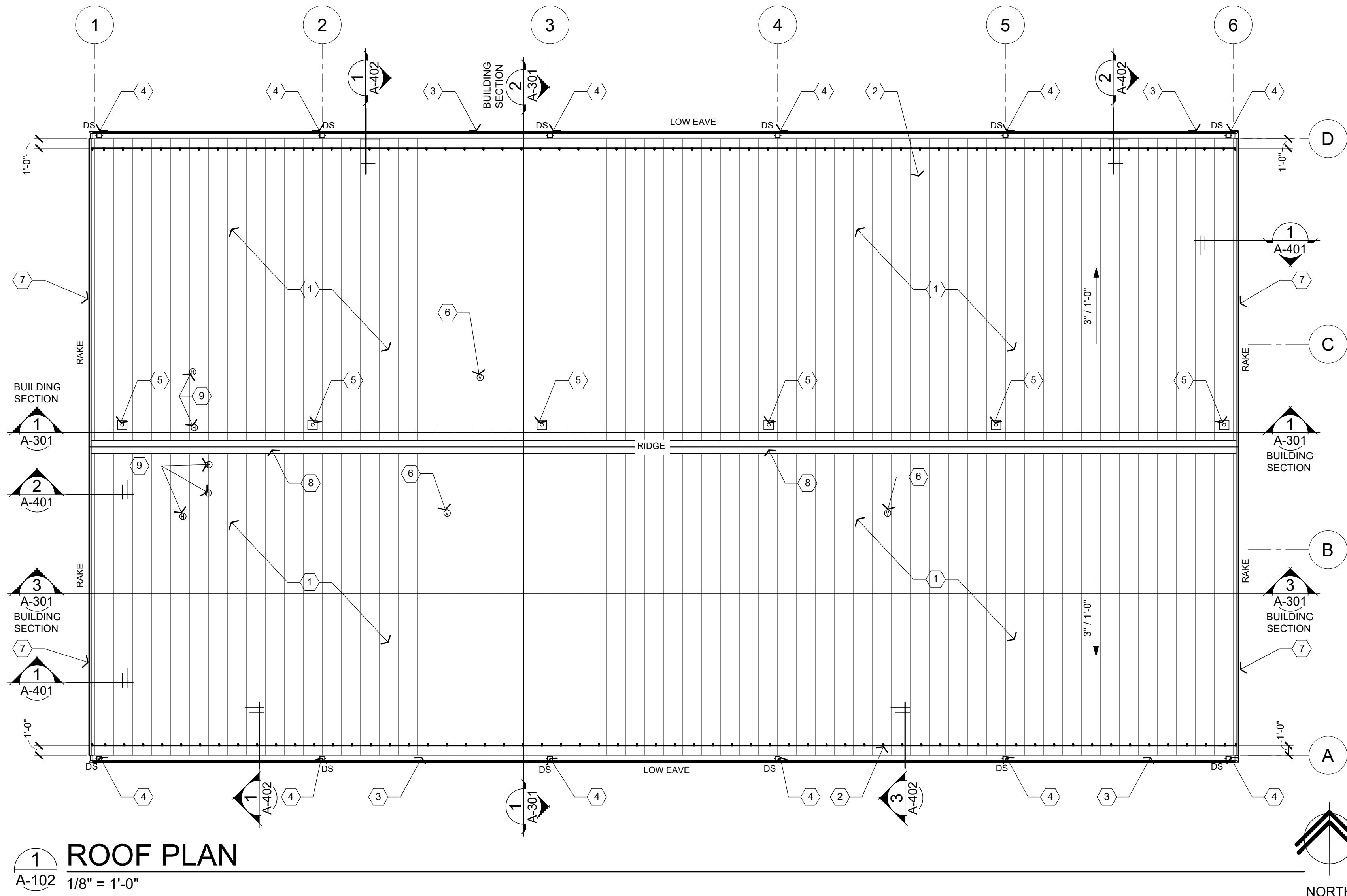
1. PRE-ENGINEERED METAL BUILDING SHEET METAL STANDING SEAM (STRUCTURAL TRAPEZOIDAL PROFILE) ROOFING PANEL SYSTEM OVER THERMAL BLOCKS (R-S).
2. SNOW GUARD SYSTEM (EXTEND FULL LENGTH OF ROOF) ATTACHED WITH ALUMINUM S-S CLAMPS.
3. PRE-ENGINEERED METAL BUILDING SHEET METAL GUTTER (TYPICAL). REFER TO DETAIL 2/A-102. SIZES BY P.E.M.B. MANUFACTURER.
4. PRE-ENGINEERED METAL BUILDING SHEET METAL DOWNSPOUT (DS) SYSTEM. SIZES BY P.E.M.B. MANUFACTURER.
5. FALL PROTECTION ANCHOR SYSTEM ATTACHED WITH ALUMINUM S-S CLAMPS. INSTALL 2'-0" MIN FROM EDGE OF ROOF, CENTER BETWEEN METAL ROOF PANEL SEAMS AND SPACE EQUALLY. COORDINATE WITH PRE-ENGINEERED METAL ROOF SYSTEM MANUFACTURER FOR INSTALLATION.
6. PLUMBING VENT THRU ROOF (VTR). REFER TO 5/A-102 AND PLUMBING DRAWINGS FOR SIZES. CENTER BETWEEN ROOF PANEL SEAMS.
7. PRE-ENGINEERED METAL BUILDING SHEET METAL RAKE EDGE FLASHING. REFER TO DETAIL 3/A-102.
8. PRE-ENGINEERED METAL BUILDING SHEET METAL RIDGE CAP FLASHING - FIXED AT RIDGE. REFER TO DETAIL 4/A-102.
9. MECHANICAL SYSTEM HOT VENT FLUE. REFER TO DETAIL 1/A-501 AND MECHANICAL DRAWINGS FOR TYPES AND SIZES.

GENERAL NOTES

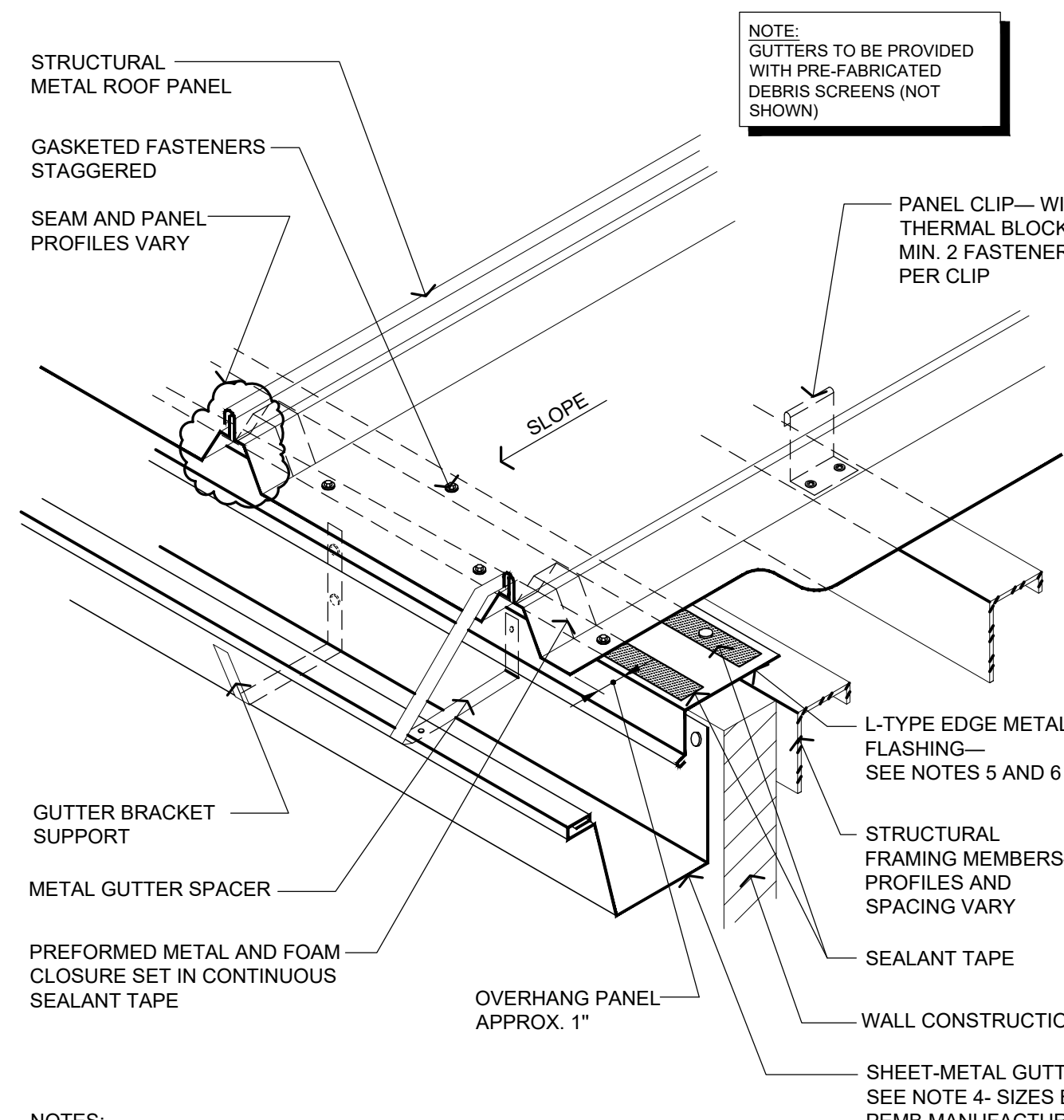
- A. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- B. REFER TO PRE-ENGINEERED METAL BUILDING SUBMITTALS FOR ADDITIONAL REQUIREMENTS.
- C. REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ALL ROOF-MOUNTED EQUIPMENT SIZES AND TYPES, INCLUDING VENT PIPES, FLUES, AND EXHAUST. ALL PIPE FLASHING PENETRATIONS THROUGH ROOF SHALL BE TYPE APPROVED BY PRE-ENGINEERED METAL BUILDING MANUFACTURER WITH SHEET METAL FINISHES TO MATCH ROOF PANEL. PENETRATIONS WITH DIAMETER LESS THAN SPACING OF ROOF PANEL RIBS SHALL PENETRATE IN THE CENTER OF THE ROOF PANEL.
- D. ALL SUPPORTS FOR EXPOSED ROOF MOUNTED PIPING, CONDUIT, FALL PROTECTION DEVICES, SNOW GUARDS, ETC. TO BE MOUNTED ON PRE-MANUFACTURED ALUMINUM S-S CLAMPS ATTACHED TO TOP OF PRE-ENGINEERED METAL BUILDING ROOF SEAMS. ALL FRAMING, SUPPORTS, AND FASTENERS SHALL BE NON-CORROSIVE MATERIAL TYPES. EXPOSED FINISHES TO MATCH ROOF COLOR, UNLESS OTHERWISE INDICATED.
- E. ALL ROOF PENETRATIONS TO BE 3'-6" MINIMUM FROM ROOF EDGE PERIMETERS.
- G. SHEET METAL CONSTRUCTION SHALL COMPLY WITH SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA) DESIGN STANDARDS AND RECOMMENDATIONS.
- H. ROOFING CONSTRUCTION SHALL COMPLY WITH NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA) DESIGN STANDARDS AND RECOMMENDATIONS.
- I. REFER TO EXTERIOR FINISH SCHEDULE FOR ADDITIONAL REQUIREMENTS.

SYMBOLS LEGEND

- GAS — EXPOSED ROOF TOP MECHANICAL GAS PIPING WITH FLOATING SUPPORTS
- COND — EXPOSED ROOF TOP MECHANICAL CONDENSATE PIPING WITH SUPPORTS
- (V) VENT THROUGH ROOF
- (H) HOT VENT
- (E) MECHANICAL EXHAUST UNIT
- MAU# ROOF TOP UNIT WITH CRICKET
- FALL — FALL PROTECTION SYSTEM
- SNOW — SNOW GUARD SYSTEM
- DS LOCATION OF DOWNSPOUTS

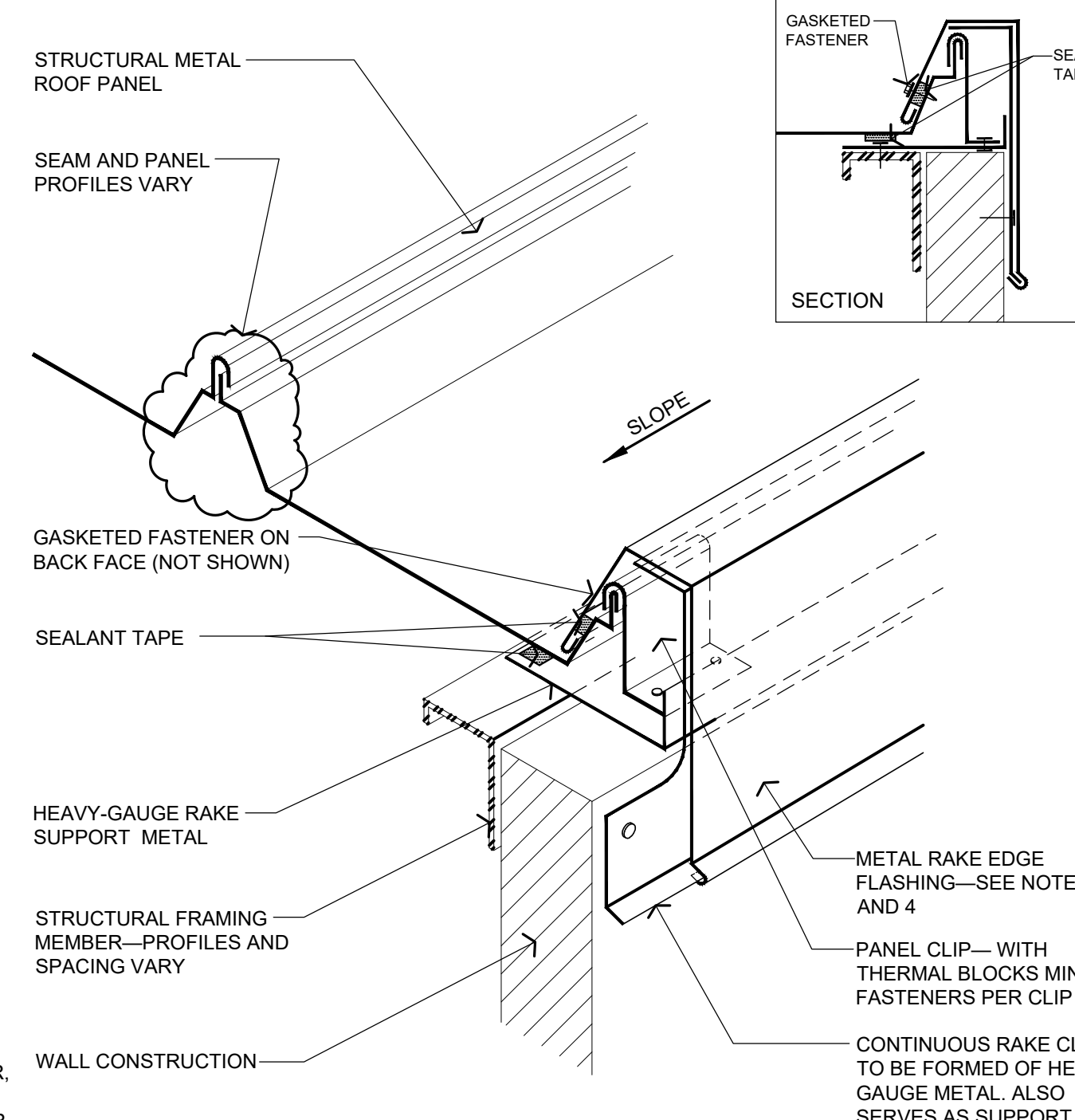


1
A-102
ROOF PLAN
1/8" = 1'-0"



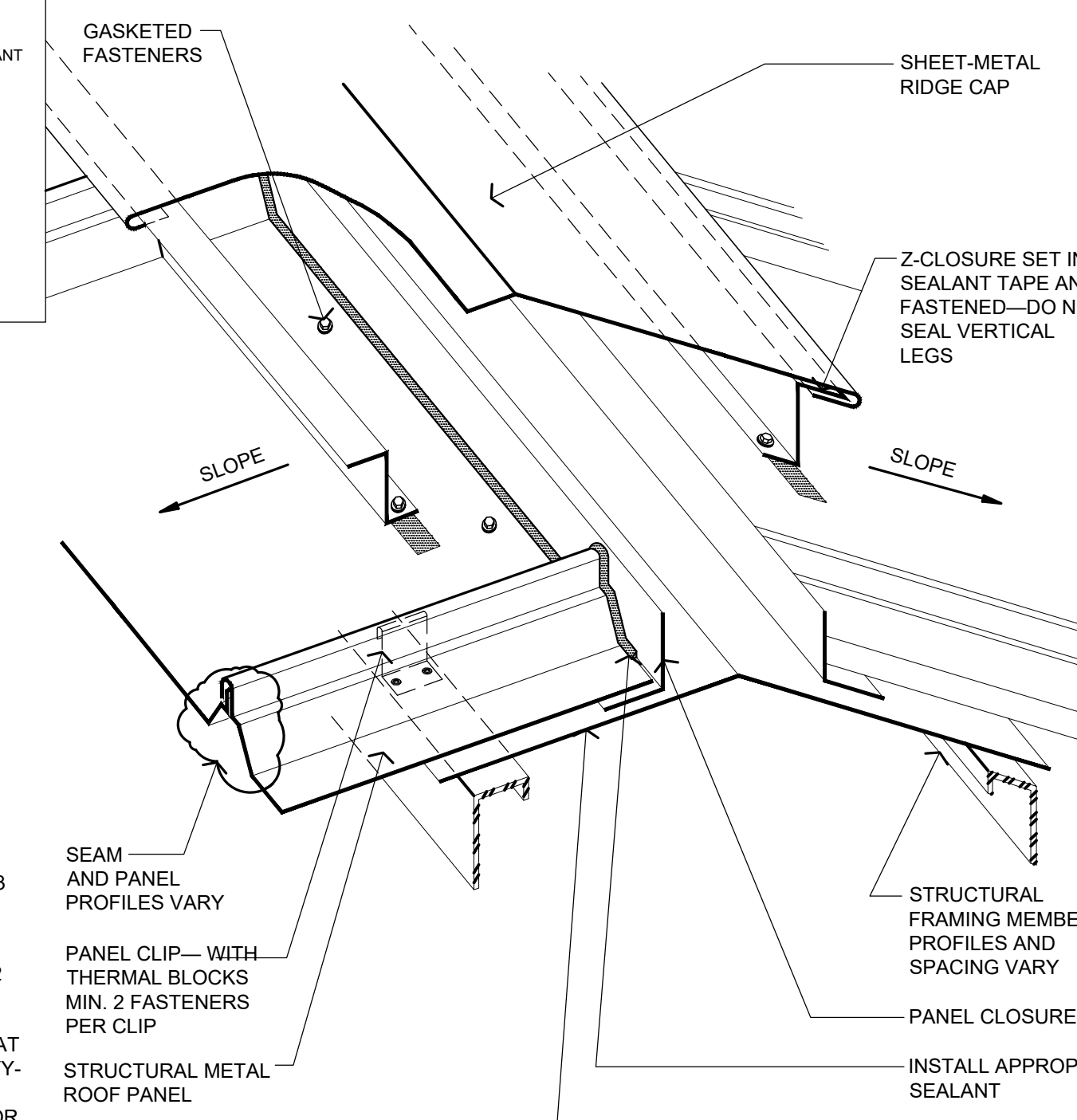
- NOTES:
1. SPECIFIC FASTENING AND STRUCTURAL REQUIREMENTS ARE NOT INDICATED AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING ON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE, BUILDING CODE AND WALL CONSTRUCTION.
 2. INSULATION, VAPOR RETARDER AND THERMAL BLOCKS FOR ROOF SYSTEM ARE NOT SHOWN FOR CLARITY.
 3. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION CONTROL AND REROOFING FOR MORE INFORMATION ON GUTTERS.
 4. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION CONTROL AND REROOFING FOR PERIMETER EDGE-METAL THICKNESS AND CLEAT RECOMMENDATIONS.
 5. REFER TO THE NRCA INTRODUCTION IN CHAPTER 10—CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

2
A-102
EAVE FLASHING WITH GUTTER—FIXED AT EAVE
DETAIL
NOT TO SCALE



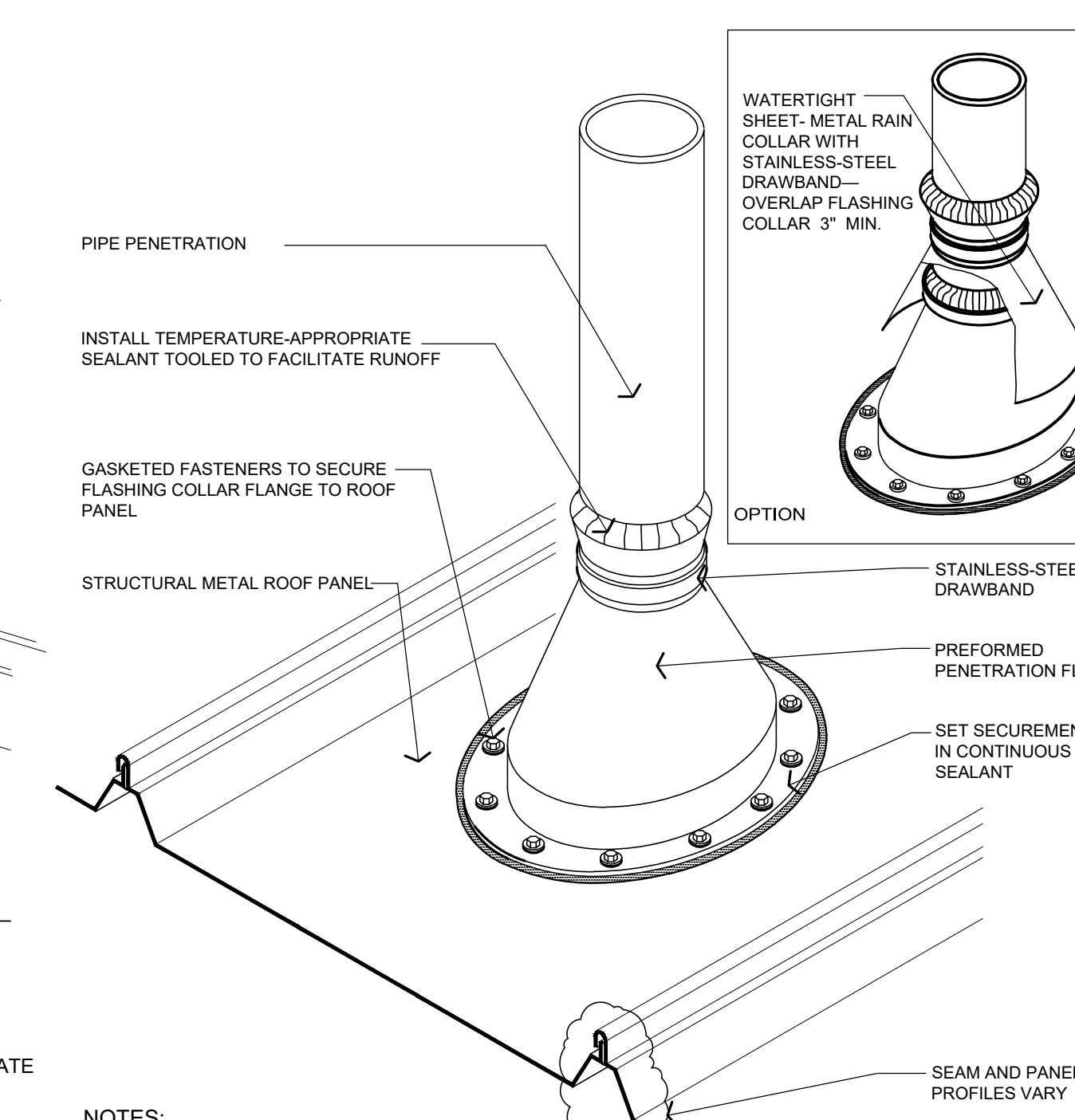
- NOTES:
1. SPECIFIC FASTENING AND STRUCTURAL REQUIREMENTS ARE NOT INDICATED AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING ON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE, BUILDING CODE AND WALL CONSTRUCTION.
 2. INSULATION, VAPOR RETARDER AND THERMAL BLOCKS FOR ROOF SYSTEM ARE NOT SHOWN FOR CLARITY.
 3. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION CONTROL AND REROOFING FOR PERIMETER EDGE-METAL THICKNESS AND CLEAT RECOMMENDATIONS.
 4. REFER TO THE NRCA INTRODUCTION IN CHAPTER 10—CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

3
A-102
RAKE EDGE FLASHING - STARTER PANEL
DETAIL
NOT TO SCALE



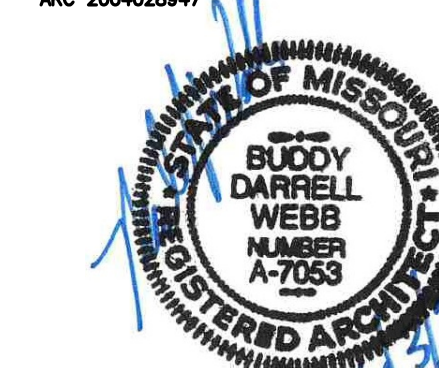
- NOTES:
1. SPECIFIC FASTENING AND STRUCTURAL REQUIREMENTS ARE NOT INDICATED AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING ON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE, BUILDING CODE AND WALL CONSTRUCTION.
 2. INSULATION, VAPOR RETARDER AND THERMAL BLOCKS FOR ROOF SYSTEM ARE NOT SHOWN FOR CLARITY.
 3. THIS FIXES THE PANEL ALONG THE RIDGE.
 4. REFER TO THE NRCA INTRODUCTION IN CHAPTER 10—CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

4
A-102
RIDGE CAP FLASHING - FIXED AT RIDGE
DETAIL
NOT TO SCALE



- NOTES:
1. NRCA RECOMMENDS PENETRATIONS SHOULD NOT INTERFERE WITH PANEL SEAMS OR OCCUR AT TRANSVERSE SEAMS.
 2. IF FIELD PANELS OVERLAP AT THE PENETRATION, ATTACHMENT OF THE DOWNSLOPE PANEL ALONG ITS UPSLOPE END MAY BE NECESSARY.
 3. VENT STACKS AND OTHER PIPES SHOULD HAVE ADEQUATE CLEARANCE ON ALL SIDES FROM WALLS AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING AND PANEL DRAINAGE.
 4. FOR HOT PIPES, SPECIFIC HIGH-TEMPERATURE BOOTS SHOULD BE USED.
 5. INSULATION, VAPOR RETARDER AND THERMAL BLOCKS FOR ROOF SYSTEM ARE NOT SHOWN FOR CLARITY.
 6. REFER TO THE NRCA INTRODUCTION IN CHAPTER 10—CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

5
A-102
PIPE PENETRATION FLASHING
DETAIL
NOT TO SCALE



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CONSTRUCT NEW
60 SOLDIER BARRACKS

CAMP CLARK
TRAINING SITE
18159 SOUTH K HIGHWAY
NEVADA, MISSOURI

PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING # 446

REVISION: _____
DATE: _____
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DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-A-201
DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
**EXTERIOR
ELEVATIONS**

SHEET NUMBER:

A-201

16 OF 34 SHEETS
06/03/2026

EXTERIOR FINISH SCHEDULE

PRE-ENGINEERED METAL BUILDING SYSTEMS

KEY NOTE NO. 2:

TYPE: EXTERIOR WALL PANEL SYSTEM
MANUFACTURER: CHIEF BUILDINGS OR EQUAL (BASIS FOR DESIGN)
SERIES: BUTLER RIB II WALL SYSTEM
FINISH: PRE-FINISHED
COLOR: COOL BIRCH WHITE (AW) (MATCH EXISTING FACILITY FINISHES)

KEY NOTE NO. 3:

TYPE: STANDING SEAM, TRAPEZOIDAL RIB
MANUFACTURER: BUTLER OR EQUAL (BASIS FOR DESIGN)
SERIES: MR-24
FINISH: PRE-FINISHED
COLOR: COOL EMERALD GREEN (MATCH EXISTING FACILITY FINISHES)

KEY NOTE NO. 4:

TYPE: SHEET METAL FLASHING, FASCIA, OR TRIM
MANUFACTURER: BUTLER OR EQUAL (BASIS FOR DESIGN)
FINISH: PRE-FINISHED
COLOR: COOL EMERALD GREEN (MATCH EXISTING FACILITY FINISHES)

KEY NOTE NO. 5:

TYPE: SHEET METAL GUTTER AND DOWNSPOUT SYSTEM
MANUFACTURER: BUTLER OR EQUAL (BASIS FOR DESIGN)
FINISH: PRE-FINISHED
COLOR: COOL EMERALD GREEN (MATCH EXISTING FACILITY FINISHES)

KEY NOTE NO. 6:

TYPE: DOOR TRIM
MANUFACTURER: BUTLER OR EQUAL (BASIS FOR DESIGN)
FINISH: PRE-FINISHED
COLOR: COOL BIRCH WHITE (MATCH EXISTING FACILITY FINISHES)

OPENINGS

KEY NOTE NO. 7:

TYPE: HOLLOW METAL DOORS AND FRAMES
MANUFACTURER: REFER TO PROJECT MANUAL
FINISH: FACTORY PRIMED AND FIELD PAINTED
COLOR: MATCH ADJACENT METAL PANEL FIELD COLOR

KEY NOTE NO. 8:

TYPE: ALUMINUM ENTRANCES AND STOREFRONTS
MANUFACTURER: REFER TO PROJECT MANUAL
FINISH: DARK BRONZE
GLAZING: (REFER TO GLAZING SCHEDULE)

PAINTING

KEY NOTE NO. 10:

TYPE: STEEL BOLLARD (REFER TO CIVIL DRAWINGS)
MANUFACTURER: REFER TO PROJECT MANUAL
FINISH: FIELD PRIMED AND PAINTED
COLOR: COOL EMERALD GREEN (MATCH ALUMINUM ENTRANCES AND STOREFRONTS)

ELECTRICAL LIGHTING

KEY NOTE NO. 12:

MFG. (REFER ELECTRICAL DRAWINGS)
FINISH: COOL EMERALD GREEN

MECHANICAL WALL PENETRATIONS

KEY NOTE NO. 18:

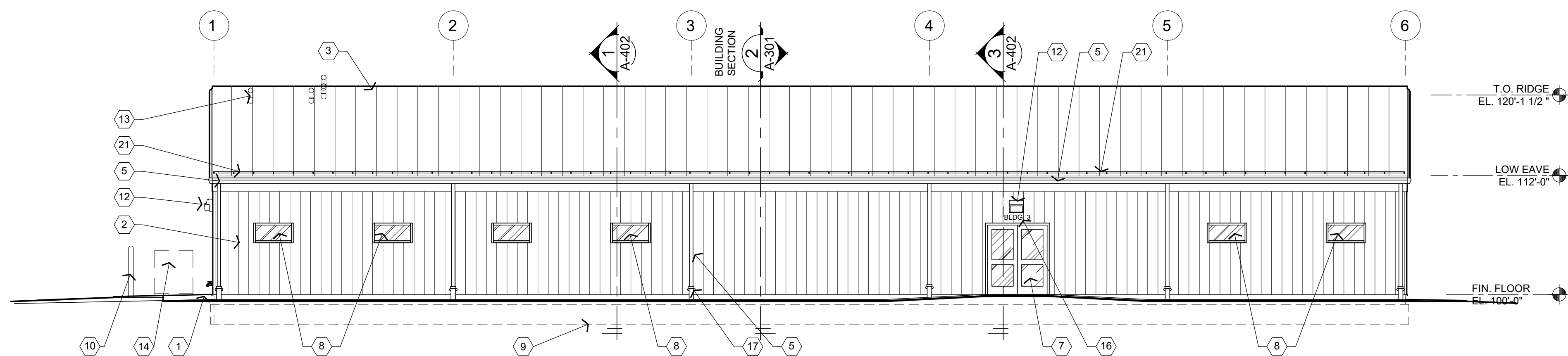
MFG. (REFER TO MECHANICAL DRAWINGS)
FINISH: COOL EMERALD GREEN (MATCH ALUMINUM ENTRANCES AND STOREFRONTS)

GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) REFER TO PRE-ENGINEERED METAL BUILDING SUBMITTALS FOR ADDITIONAL REQUIREMENTS.
- (C) FOR DOOR AND WINDOW TYPES, REFER TO FLOOR PLANS AND SCHEDULES.
- (D) REFER TO EXTERIOR FINISH SCHEDULE FOR ADDITIONAL REQUIREMENTS FINAL MATERIAL COLORS, PATTERNS AND FINISHES TO BE SELECTED FROM MANUFACTURER'S FULL RANGE OF CUSTOM COLORS.
- (E) REFER TO CIVIL DRAWINGS FOR ADJACENT SITE DEVELOPMENT CONSTRUCTION.
- (F) REFER TO PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR SYSTEM TYPES.
- (G) REFER TO WALL SECTIONS AND DETAILS FOR ADDITIONAL REQUIREMENTS.
- (H) PAINT ALL EXPOSED METAL SURFACES TO MATCH ADJACENT MATERIAL COLORS, UNLESS OTHERWISE INDICATED.

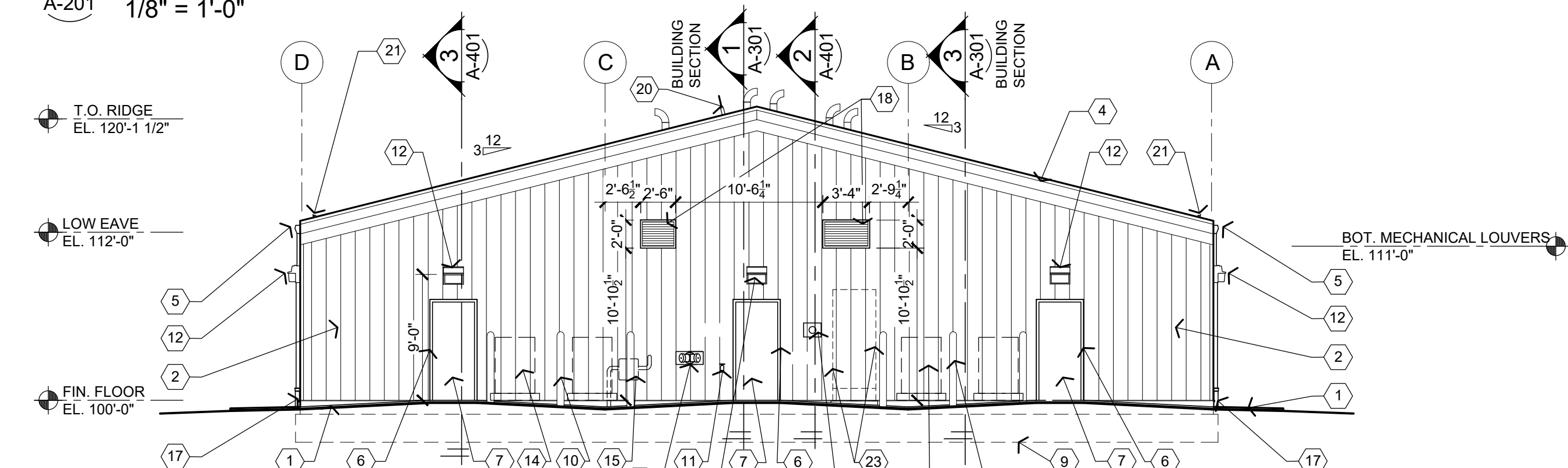
KEY NOTES

- (1) CAST IN PLACE CONCRETE SLABS OR SIDEWALKS, REFER TO CIVIL DRAWINGS.
- (2) PRE-ENGINEERED METAL BUILDING EXTERIOR WALL PANEL SYSTEM.
- (3) PRE-ENGINEERED BUILDING SHEET METAL ROOFING SYSTEM.
- (4) PRE-ENGINEERED METAL BUILDINGS SHEET METAL FLASHING, FASCIA, CLOSURE, OR TRIM.
- (5) PRE-ENGINEERED METAL BUILDING SHEET METAL GUTTER AND DOWNSPOUT SYSTEM. REFER TO ROOF PLAN.
- (6) PRE-ENGINEERED METAL BUILDING SHEET METAL OPENING TRIM.
- (7) EXTERIOR DOOR AND FRAME SYSTEM, REFER TO FLOOR PLAN AND DOOR SCHEDULE FOR TYPE.
- (8) EXTERIOR WINDOW SYSTEM, REFER TO FLOOR PLAN AND WINDOW SCHEDULE FOR TYPES.
- (9) APPROXIMATE LINE OF FOUNDATION, REFER TO STRUCTURAL DRAWINGS.
- (10) STEEL BOLLARD, REFER TO CIVIL DRAWINGS.
- (11) HOSE BIB, REFER TO PLUMBING DRAWINGS.
- (12) LIGHT FIXTURE (CENTER OF FIXTURE AT 9'-0" A.F.F.), REFER TO ELECTRICAL DRAWINGS.
- (13) MECHANICAL/PLUMBING ROOF MOUNTED EQUIPMENT OR ROOF PENETRATIONS, REFER TO ROOF PLAN.
- (14) MECHANICAL CONDENSING UNITS, REFER TO MECHANICAL DRAWINGS.
- (15) GAS PIPING (PROPANE) - REFER TO PLUMBING DRAWINGS.
- (16) BUILDING ADDRESS IDENTIFICATION NUMBER "T.B.D." SIGN IN 6" HIGH HELVETICA BOLD CHARACTERS ATTACHED TO THE BUILDING.
- (17) DOWNSPOUT COLLECTION SYSTEM. REFER TO CIVIL DRAWINGS.
- (18) MECHANICAL WALL PENETRATION, REFER TO MECHANICAL DRAWINGS AND DETAIL S/A-201. PROVIDE FRAMING, FLASHING, ANCHORS AND SEALANT AS REQUIRED FOR COMPLETE INSTALLATION.
- (19) ELECTRICAL METER, REFER TO ELECTRICAL DRAWINGS.
- (20) FALL PROTECTION ANCHORS. REFER TO ROOF PLAN.
- (21) CONTINUOUS ICE GUARD, REFER TO PROJECT MANUAL.
- (22) FIRE DEPARTMENT CONNECTION (FDC), REFER TO PLUMBING DRAWINGS.
- (23) MANUAL TRANSFER SWITCH, REFER TO ALTERNATE NO. 2.



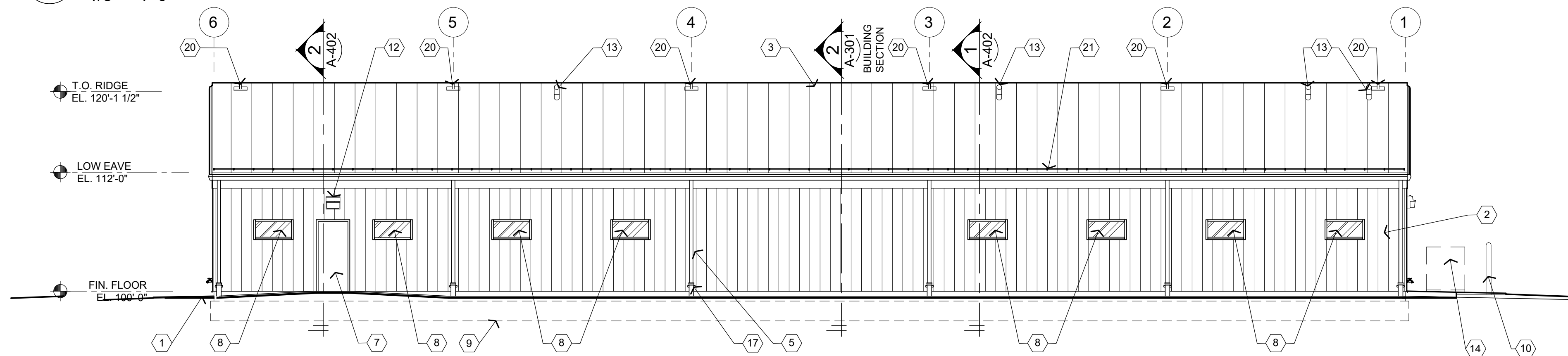
1 SOUTH ELEVATION

A-201 1/8" = 1'-0"



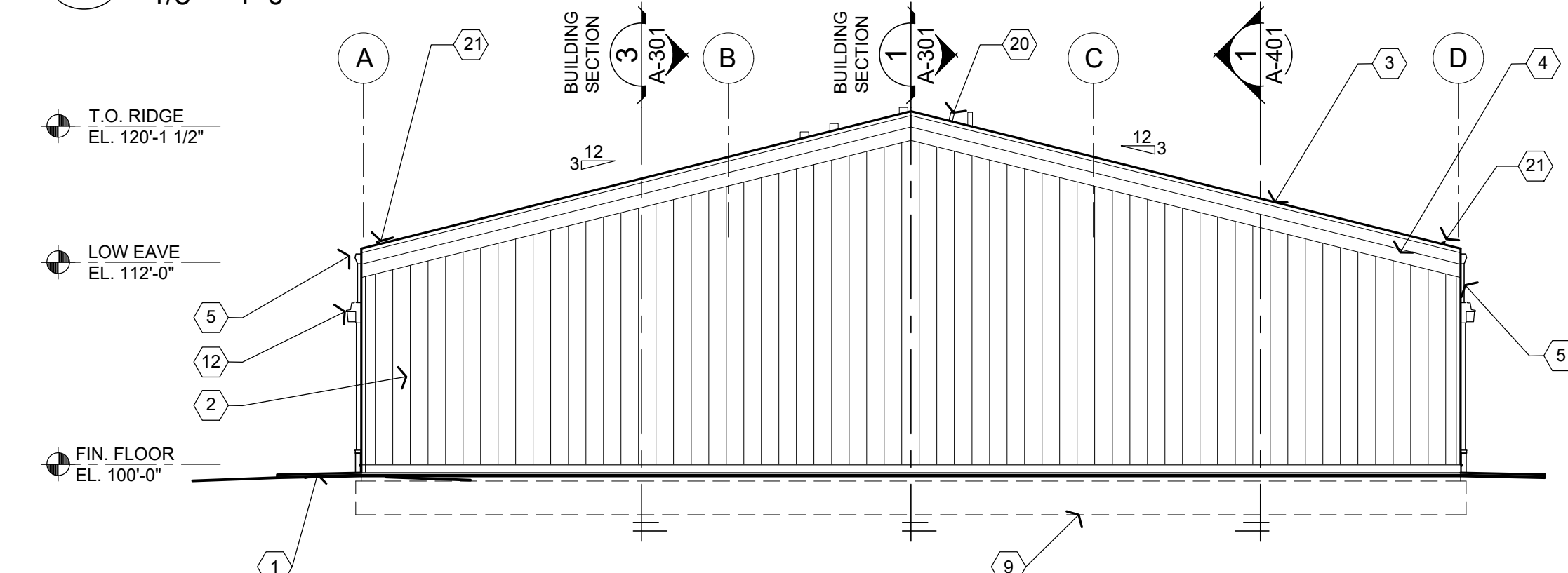
2 EAST ELEVATION

A-201 1/8" = 1'-0"



3 NORTH ELEVATION

A-201 1/8" = 1'-0"



4 WEST ELEVATION

A-201 1/8" = 1'-0"



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DEPARTMENT OF
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NATIONAL GUARD

CONSTRUCT NEW
60 SOLDIER BARRACKS

CAMP CLARK
TRAINING SITE
18159 SOUTH K HIGHWAY
NEVADA, MISSOURI

PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING # 446

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-A-301
DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
**BUILDING
SECTIONS
(ALTERNATE NO. 1)**

SHEET NUMBER:

A-301

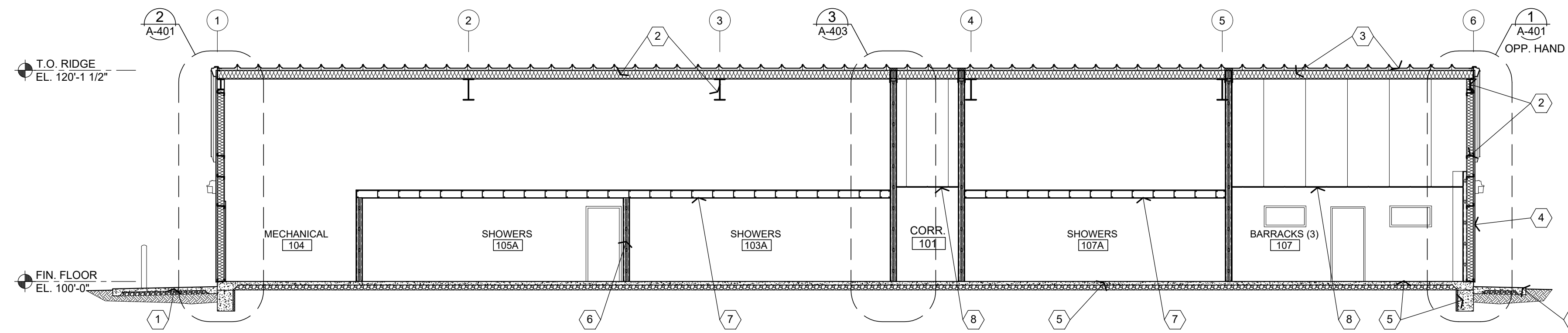
18 OF 34 SHEETS
06/03/2026

GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) REFER TO CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- (C) REFER TO PRE-ENGINEERED METAL BUILDING SUBMITTALS FOR ADDITIONAL REQUIREMENTS.
- (D) REFER TO EXTERIOR AND INTERIOR FINISH SCHEDULES FOR FINISH TYPES AND LOCATIONS.

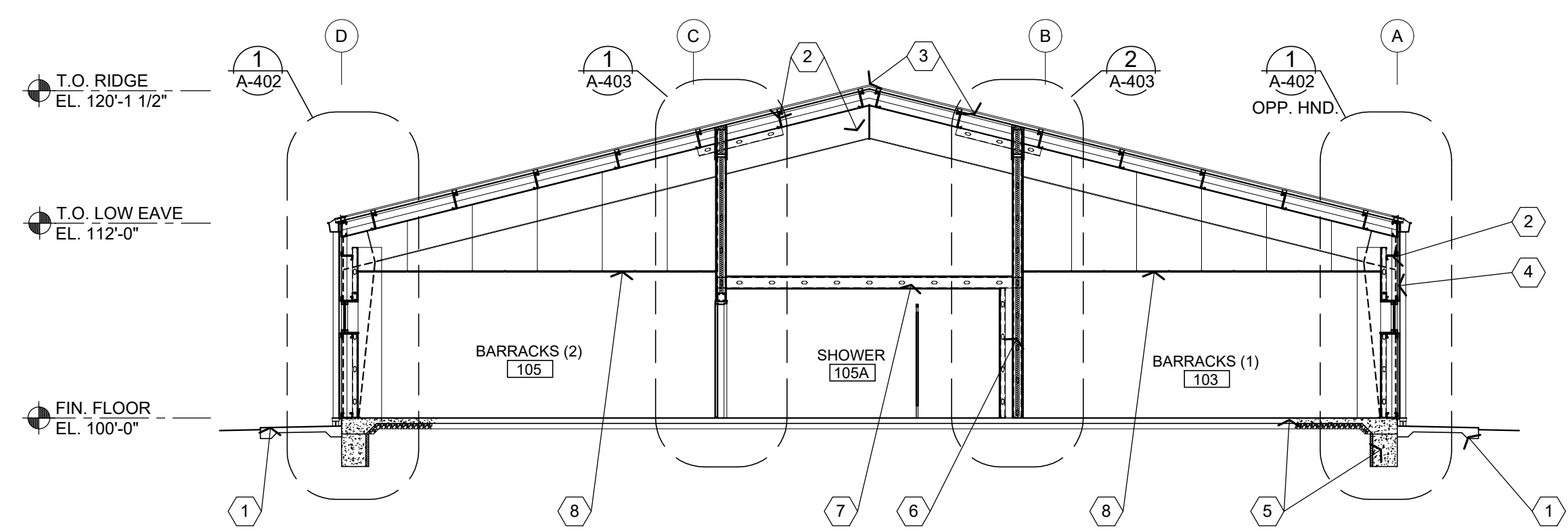
KEY NOTES

- (1) CAST IN PLACE CONCRETE SLAB OR SIDEWALK, REFER TO CIVIL DRAWINGS.
- (2) PRE-ENGINEERED METAL BUILDING PRIMARY AND SECONDARY STRUCTURAL, REFER TO WALL SECTIONS AND SUBMITTALS.
- (3) PRE-ENGINEERED ROOF SYSTEM, REFER TO ROOF PLAN AND SUBMITTALS.
- (4) PRE-ENGINEERED METAL BUILDING WALL PANEL SYSTEM, REFER TO WALL SECTIONS AND SUBMITTALS.
- (5) CONCRETE SLAB ON GRADE AND FOOTINGS, REFER TO STRUCTURAL DRAWINGS.
- (6) INTERIOR PARTITIONS, REFER TO FLOOR PLANS.
- (7) COLD FORM FRAMING AND GYPSUM BOARD CEILING SYSTEM, REFER TO REFLECTED CEILING PLAN AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- (8) SUSPENDED ACOUSTICAL CEILING SYSTEM, REFER TO REFLECTED CEILING PLAN.

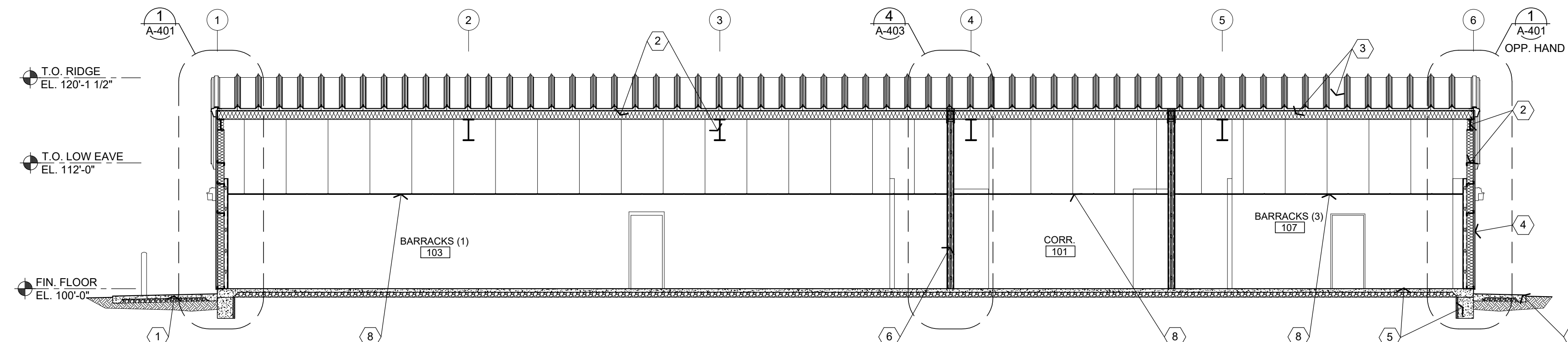


ALTERNATE NO. 1:
BARRACKS 107 AND SHOWER 107A
INTERIOR INFILL. REFER TO PROJECT
MANUAL - SECTION 01 23 00 FOR
DESCRIPTION OF WORK.

1 BUILDING SECTION
A-301 1/8" = 1'-0"

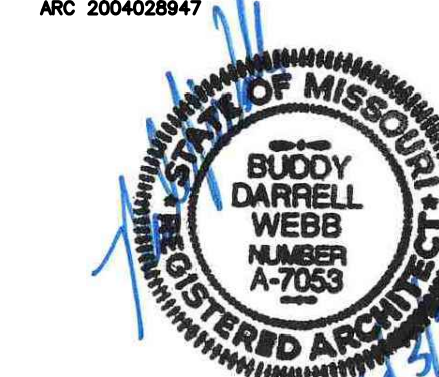


2 BUILDING SECTION
A-301 1/8" = 1'-0"



ALTERNATE NO. 1:
BARRACKS 107 AND SHOWER 107A
INTERIOR INFILL. REFER TO PROJECT
MANUAL - SECTION 01 23 00 FOR
DESCRIPTION OF WORK.

3 BUILDING SECTION
A-301 1/8" = 1'-0"



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CAD DWG FILE: T2612-01-6274-8136274080-A-401
DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:

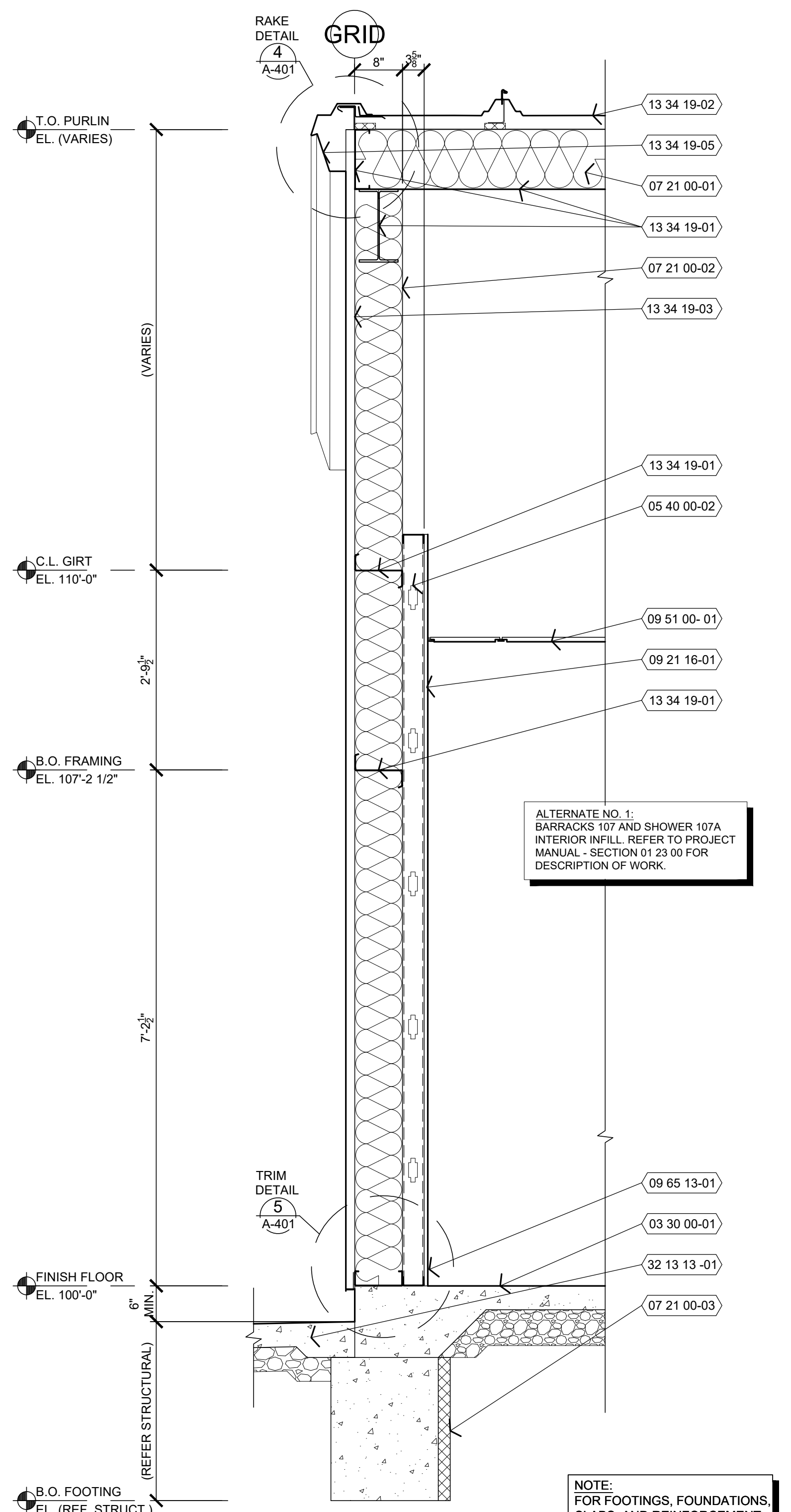
A-401

18 OF 34 SHEETS
06/03/2026

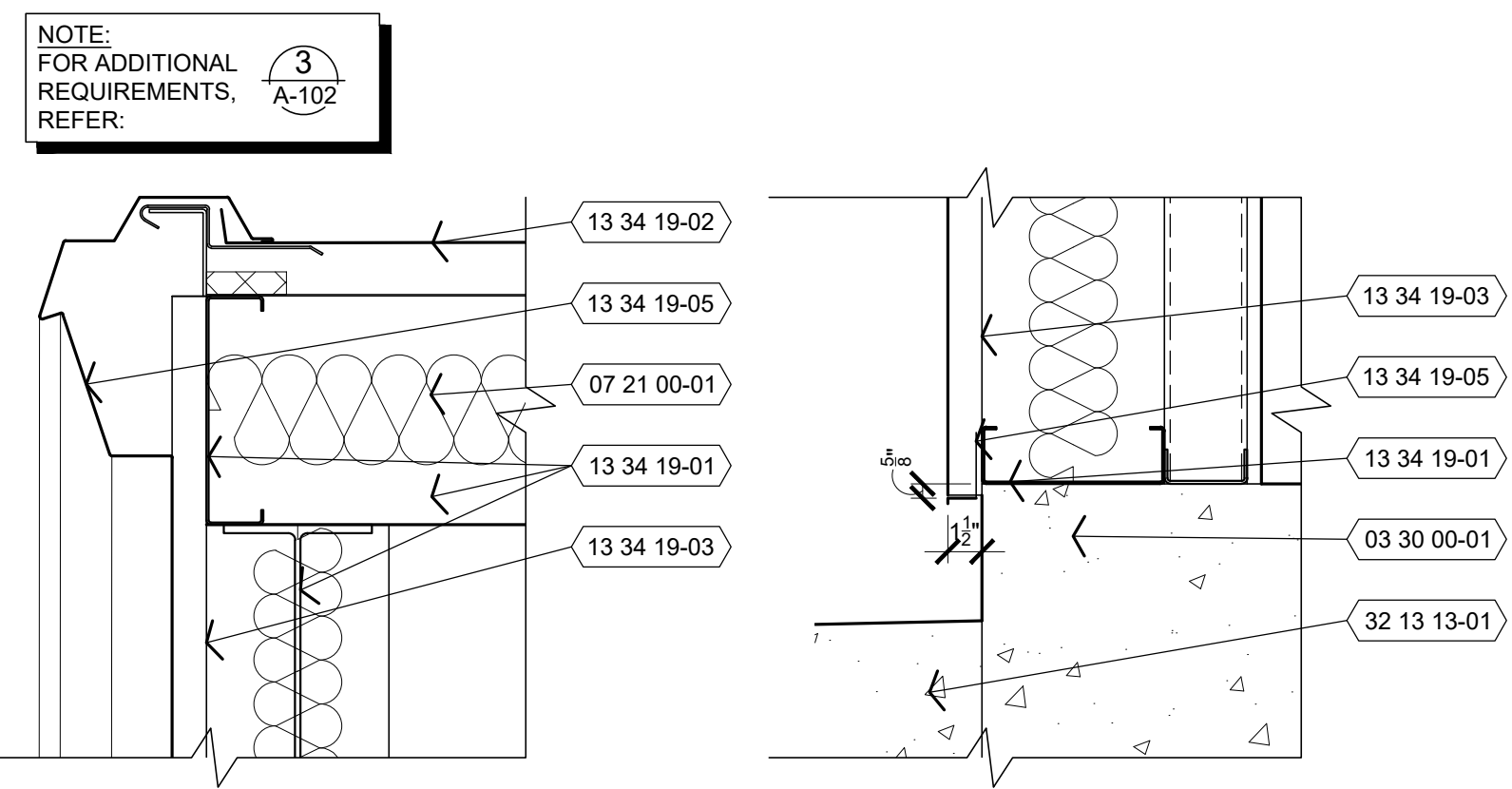
KEY NOTES

REFER TO SHEET A-301 FOR GENERAL NOTES.

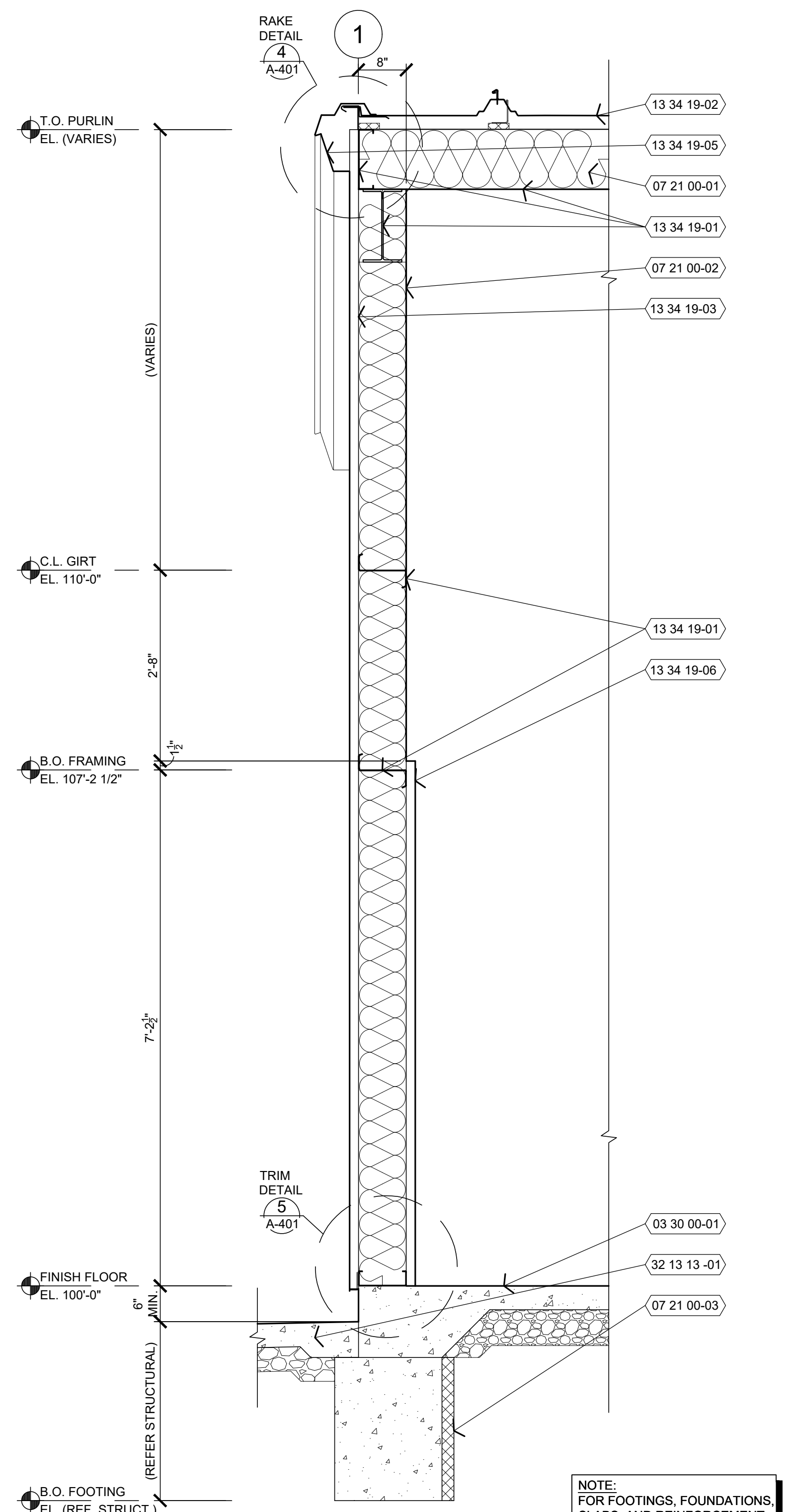
- 03 30 00-01 CONCRETE FLOOR SLAB. REFER TO STRUCTURAL DRAWINGS AND INTERIOR FINISH PLAN FOR ADDITIONAL REQUIREMENTS.
- 05 40 00-01 COLD FORM METAL BOX HEADER. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 05 40 00-02 362S162-33 COLD FORM METAL FRAMING AT 24" O.C. REFER TO INTERIOR WALL TYPE FOR ADDITIONAL REQUIREMENTS.
- 05 40 00-03 600S162-33 COLD FORM METAL FRAMING AT 24" O.C. REFER TO INTERIOR WALL TYPE FOR ADDITIONAL REQUIREMENTS.
- 05 40 00-04 800S162 COLD FORM METAL FRAMING AT 24" O.C. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 05 40 00-05 50F125-18 COLD FORM RESILIENT CHANNELS HORIZONTAL AT 24" O.C. ON ONE SIDE WITH OUTSIDE LEG UP.
- 05 40 00-06 COLD FORM METAL DEFLECTION CHANNEL.
- 05 40 00-07 COLD FORM METAL TOP AND BOTTOM TRACK CONTINUOUS.
- 06 10 00-01 3/4" FIRE TREATED PLYWOOD DECKING. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 06 61 16-01 SOLID SURFACE FABRICATION. REFER TO INTERIOR FINISHES SCHEDULE.
- 07 21 00-01 PRE-ENGINEERED METAL BUILDING ROOF BATT INSULATION (R-36) LINEAR SYSTEM. VAPOR BARRIER SUPPORTED BY HIGH STRENGTH STEEL STRAPS ATTACHED TO BOTTOM OF PRE-ENGINEERED METAL BUILDING ROOF PURLINS WITH (1) LAYER 8" (R-25) UN-FACED BATT INSULATION PARALLEL WITH PURLIN CAVITY AND (1) LAYER 3 1/2" (R-11) UN-FACED BATT INSULATION PERPENDICULAR OVER TOP OF ROOF PURLINS. SEAL ALL JOINTS WITH TAPE.
- 07 21 00-02 PRE-ENGINEERED METAL BUILDING CAVITY WALL. UNFACED BATT INSULATION (R-25) SYSTEM (UNCOMPRESSED) WITH VAPOR BARRIER SUPPORTED WITH HIGH STRENGTH STEEL STRAPS ATTACHED TO GIRTS. SEAL ALL JOINTS WITH TAPE.
- 07 21 00-03 2" RIGID INSULATION BOARD (R-10).
- 07 21 00-04 6" UNFACED SOUND ATTENUATION BATT INSULATION. REFER TO FLOOR PLAN AND WALL TYPES.
- 07 72 00-01 REMOVABLE GUTTER DEBRIS SCREENS.
- 07 72 53-01 SNOW GUARDS. REFER TO ROOF PLAN.
- 07 84 00-01 FIRE STOPPING COMPRESSIBLE MINERAL WOOL.
- 07 84 00-02 FIRE STOPPING SEALANT CONTINUOUS AT PENETRATIONS.
- 07 92 00-01 SEALANT WITH BACKER ROD BOTH SIDES OF OPENING JOINTS. COLOR TO MATCH ADJACENT MATERIAL FINISH, UNLESS OTHERWISE NOTED.
- 08 11 19-01 STEEL DOOR AND FRAME SYSTEM. REFER TO FLOOR PLAN AND DOOR SCHEDULE FOR TYPES AND LOCATIONS.
- 08 41 13-01 ALUMINUM ENTRANCE AND STOREFRONT DOOR OR WINDOW SYSTEM. REFER TO FLOOR PLANS AND SCHEDULES FOR TYPES AND LOCATIONS.
- 08 41 13-02 ALUMINUM ENTRANCE AND STOREFRONT SUBSILL EXTENSION WITH DRIP. SET IN SEALANT BED.
- 09 21 16-01 5/8" TYPE "X" GYPSUM BOARD. REFER TO INTERIOR WALL TYPES FOR ADDITIONAL REQUIREMENTS.
- 09 51 00-01 SUSPENDED ACOUSTICAL LAY-IN CEILING SYSTEM. REFER TO REFLECTIVE CEILING PLAN AND INTERIOR FINISH SCHEDULE.
- 09 65 13-01 RESILIENT BASE. REFER TO INTERIOR FINISH SCHEDULE.
- 10 26 00-01 WALL AND DOOR PROTECTION CORNER GUARD. REFER TO INTERIOR FINISH PLAN.
- 13 34 19-01 PRE-ENGINEERED METAL BUILDING PRIMARY AND SECONDARY STRUCTURAL FRAMING. REFER TO SUBMITTALS FOR ADDITIONAL REQUIREMENTS.
- 13 34 19-02 PRE-ENGINEERED METAL BUILDING SHEET METAL STANDING SEAM (STRUCTURAL TRAPEZOIDAL PROFILE) ROOFING PANEL SYSTEM OVER THERMAL BLOCKS (R-5).
- 13 34 19-03 PRE-ENGINEERED METAL BUILDING EXTERIOR WALL PANEL SYSTEM OVER THERMAL BREAK TAPE.
- 13 34 19-04 PRE-ENGINEERED METAL BUILDING SHEET METAL GUTTERING AND DOWNSPOUT SYSTEM.
- 13 34 19-05 PRE-ENGINEERED METAL BUILDING SHEET METAL TRIM, FLASHING, COUNTER, FLASHING, DRIP CLOSURES, TRANSITIONS, CLADDING, FLUTE CLOSURES AND ACCESSORIES.
- 13 34 19-06 PRE-ENGINEERED METAL BUILDING INTERIOR WALL PANEL SYSTEM.
- 26 56 00-01 EXTERIOR LIGHT FIXTURE SYSTEM. REFER TO ELECTRICAL DRAWINGS.
- 32 13 13-01 CONCRETE SIDEWALK SLOPING 1/4:12 AWAY FROM BUILDING. REFER TO CIVIL DRAWINGS.
- 33 40 00-01 DOWNSPOUT COLLECTION SYSTEM. REFER TO CIVIL DRAWINGS.



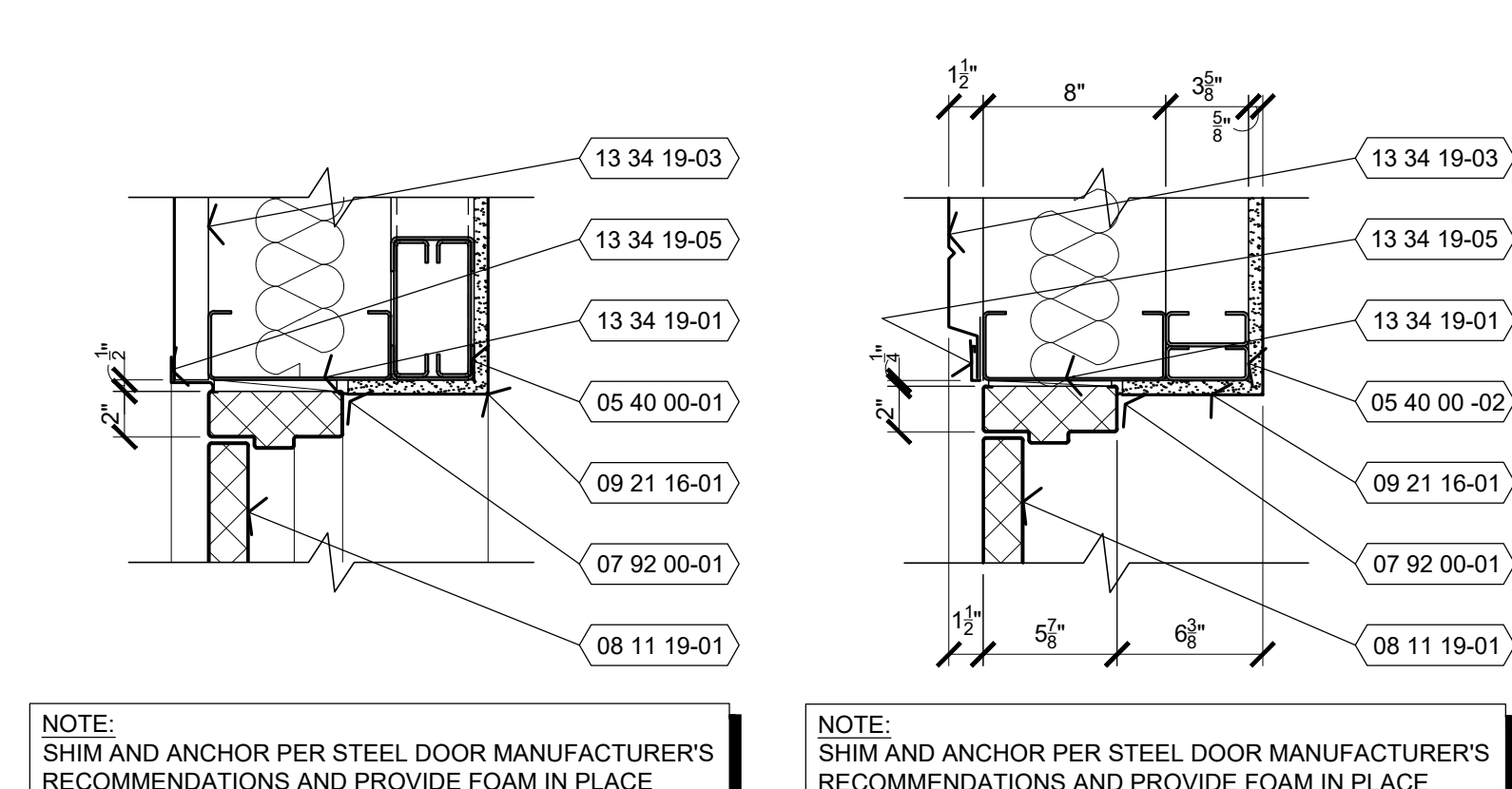
1 WALL SECTION
A-401 3/4" = 1'-0"



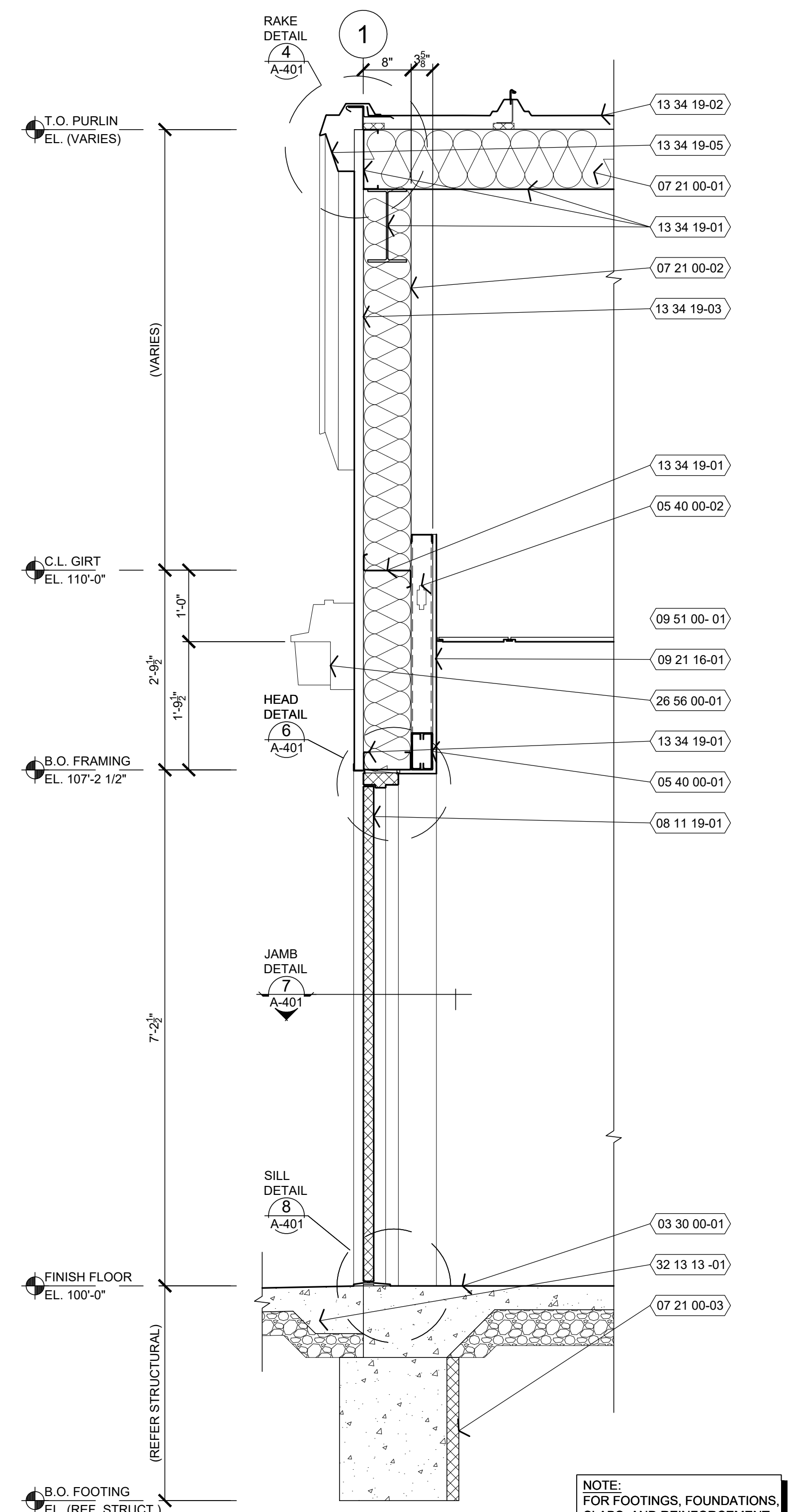
4 DETAIL
A-401 1 1/2" = 1'-0"



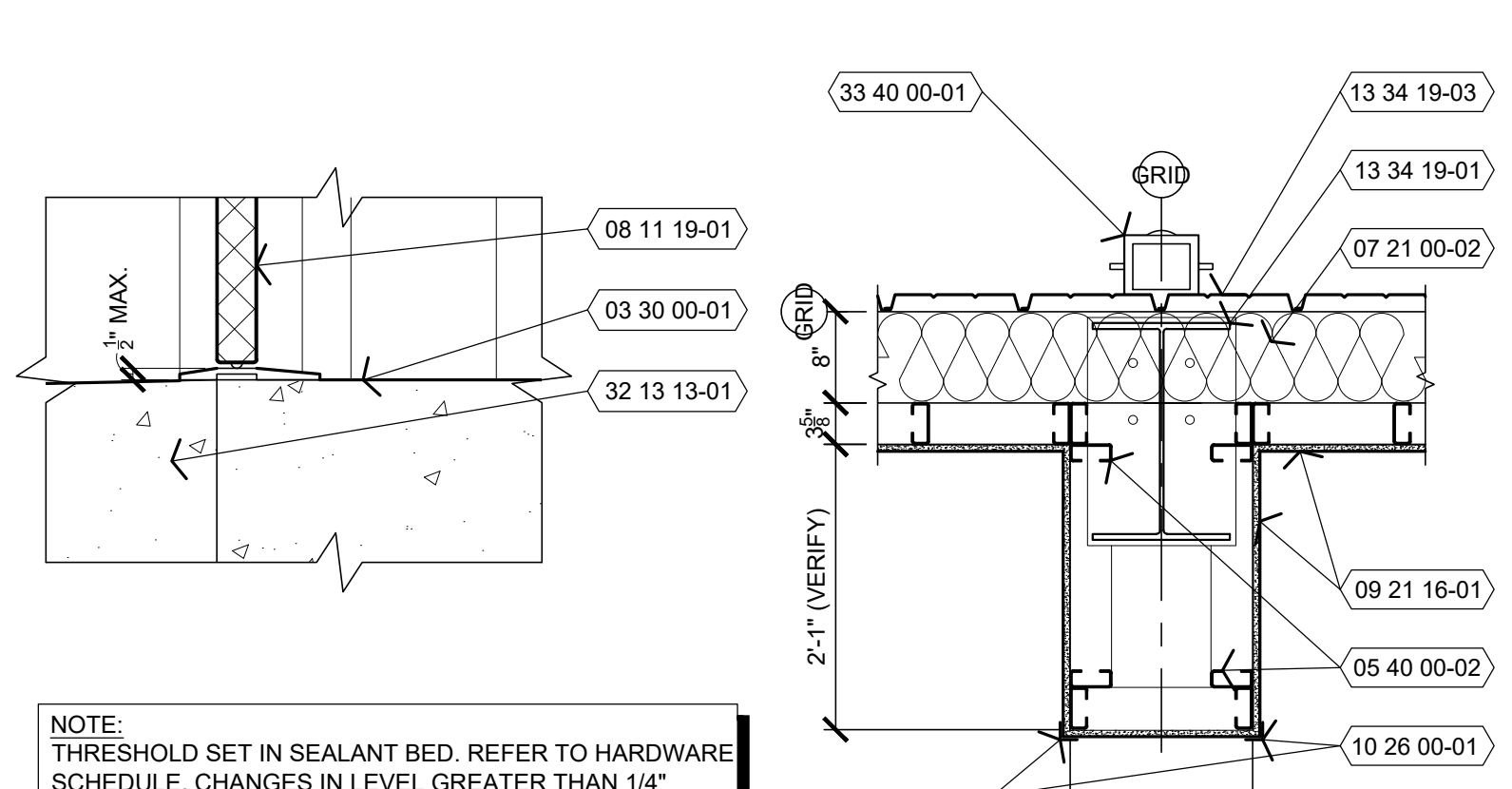
2 WALL SECTION
A-401 3/4" = 1'-0"



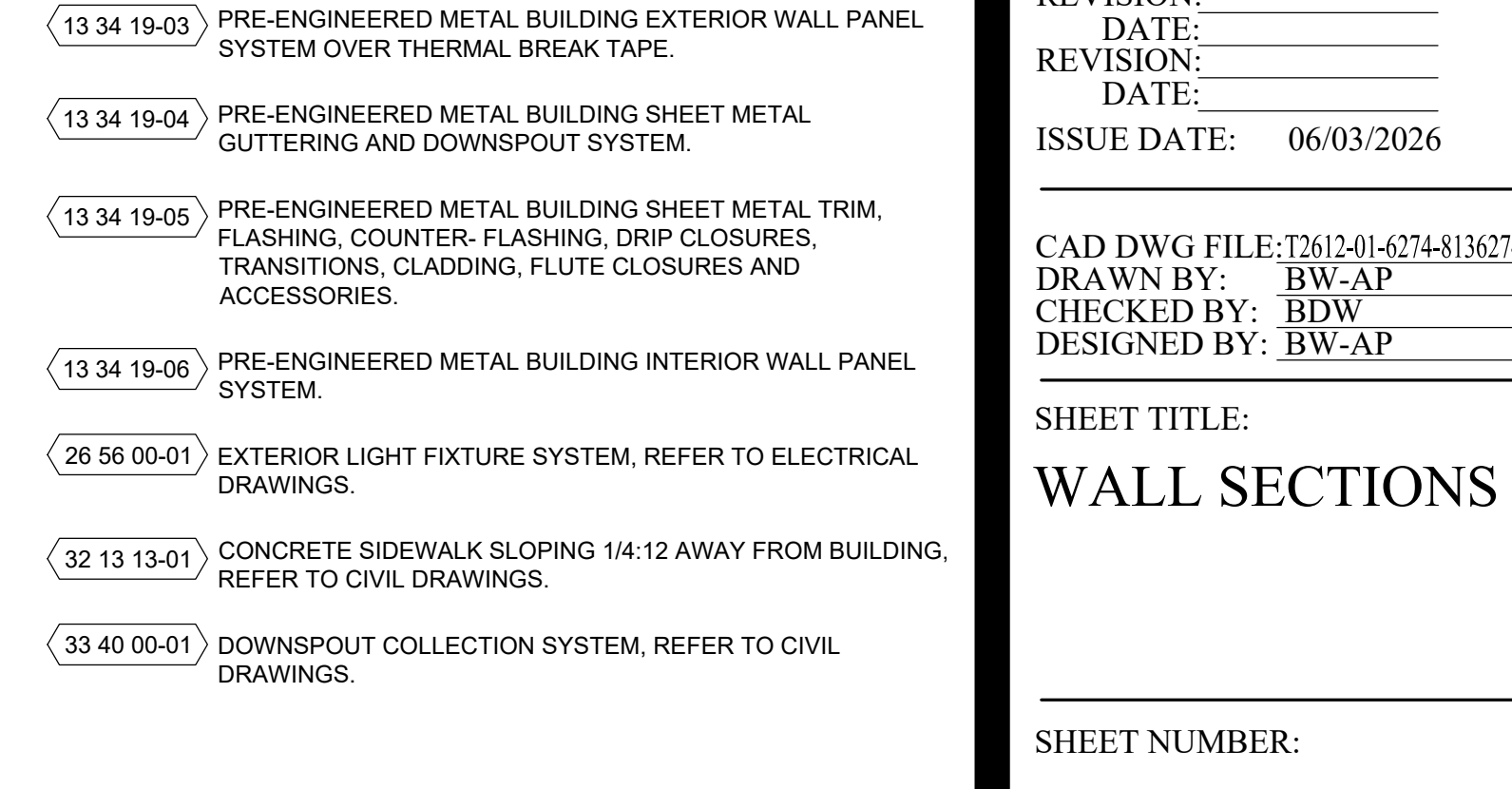
5 DETAIL
A-401 1 1/2" = 1'-0"



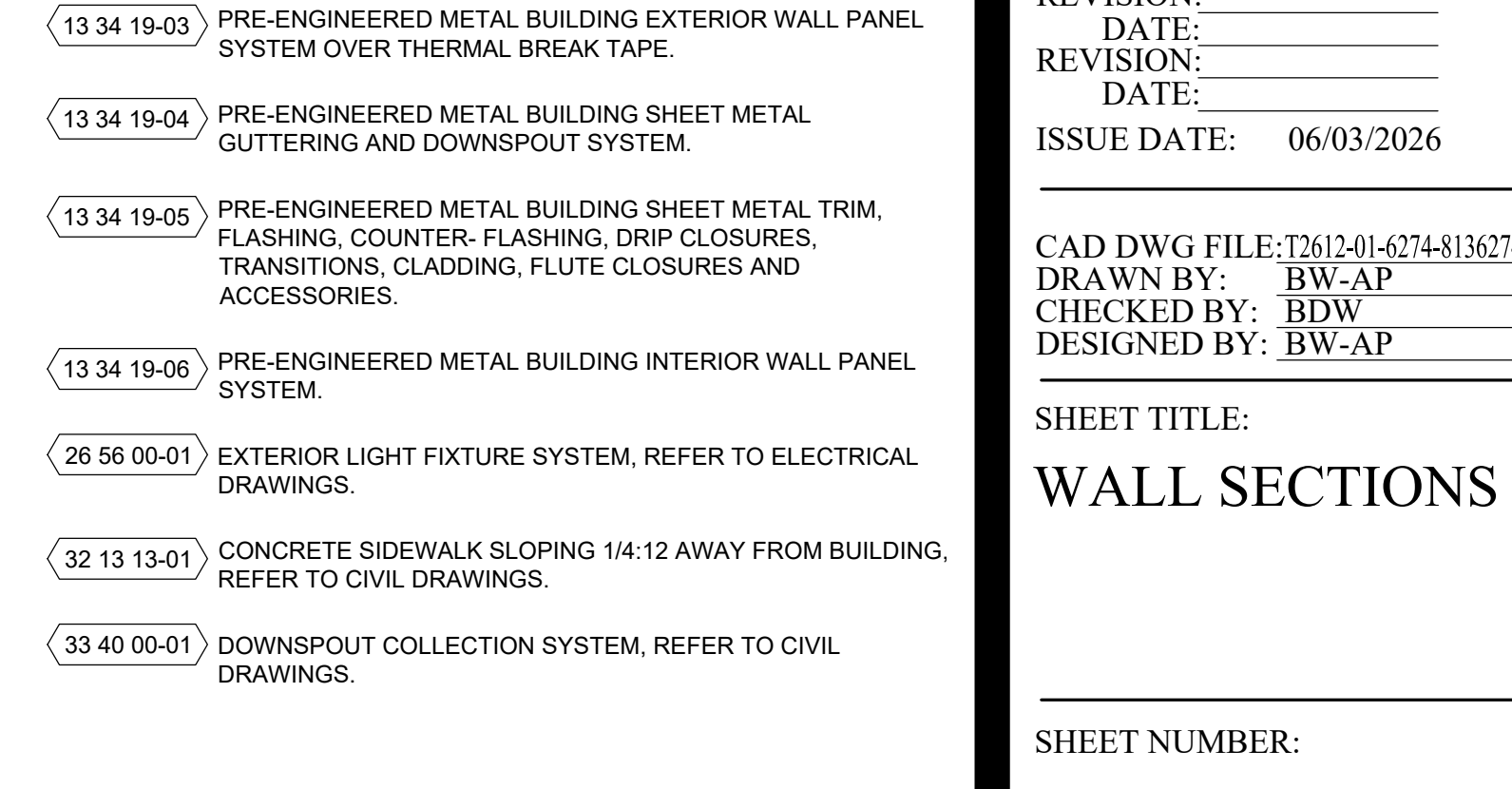
3 WALL SECTION
A-401 3/4" = 1'-0"



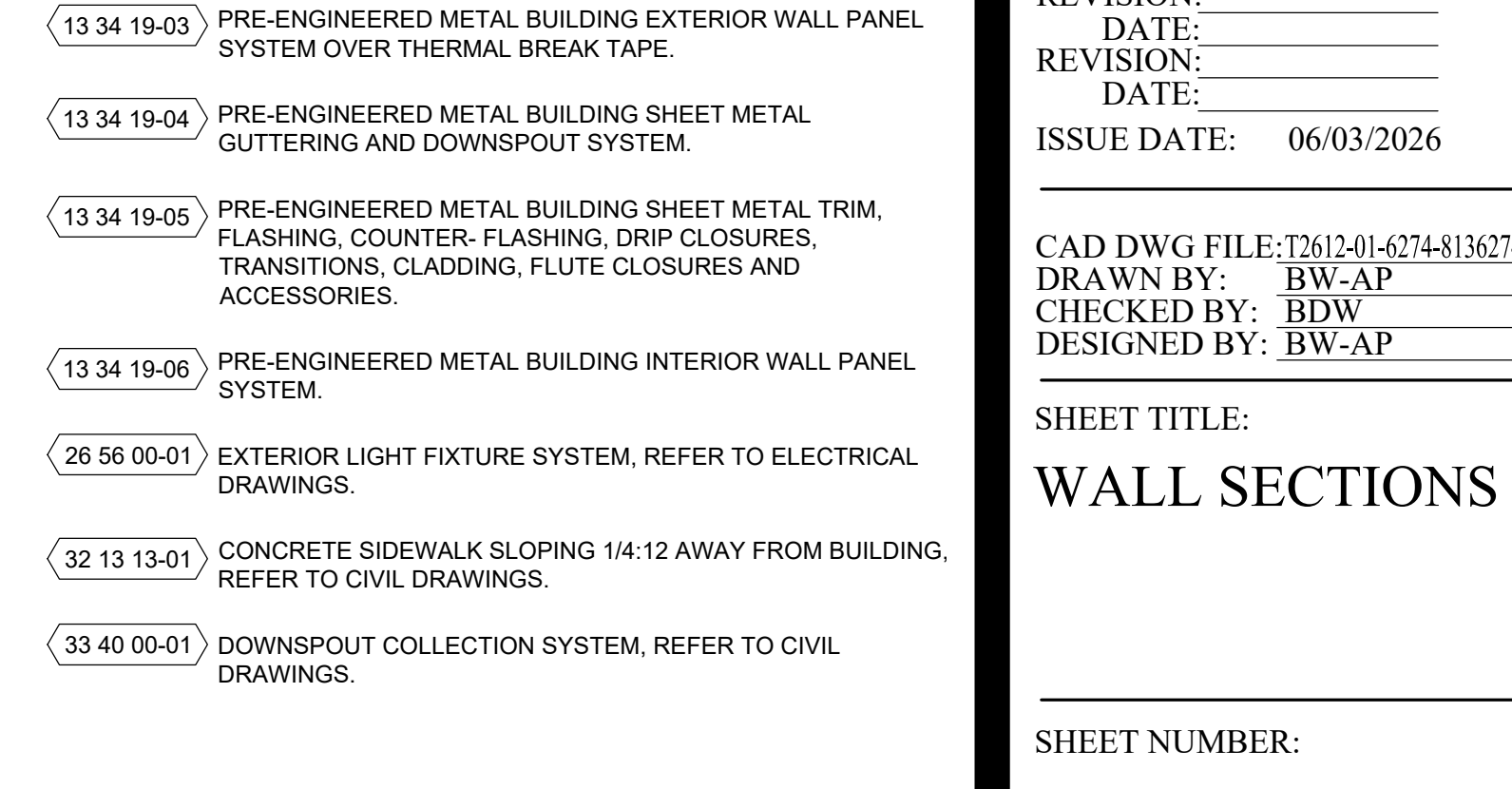
6 HEAD
A-401 1 1/2" = 1'-0"



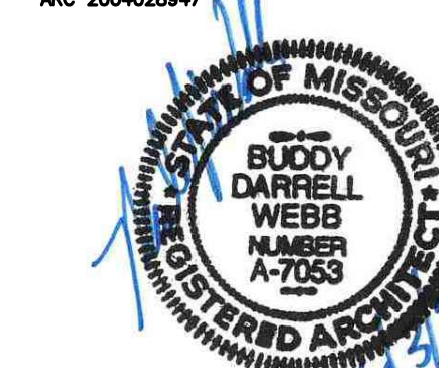
7 JAMB
A-401 1 1/2" = 1'-0"



8 SILL
A-401 1 1/2" = 1'-0"



9 PLAN SECTION
A-401 3/4" = 1'-0"



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PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING # 446

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ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-A-402
DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:

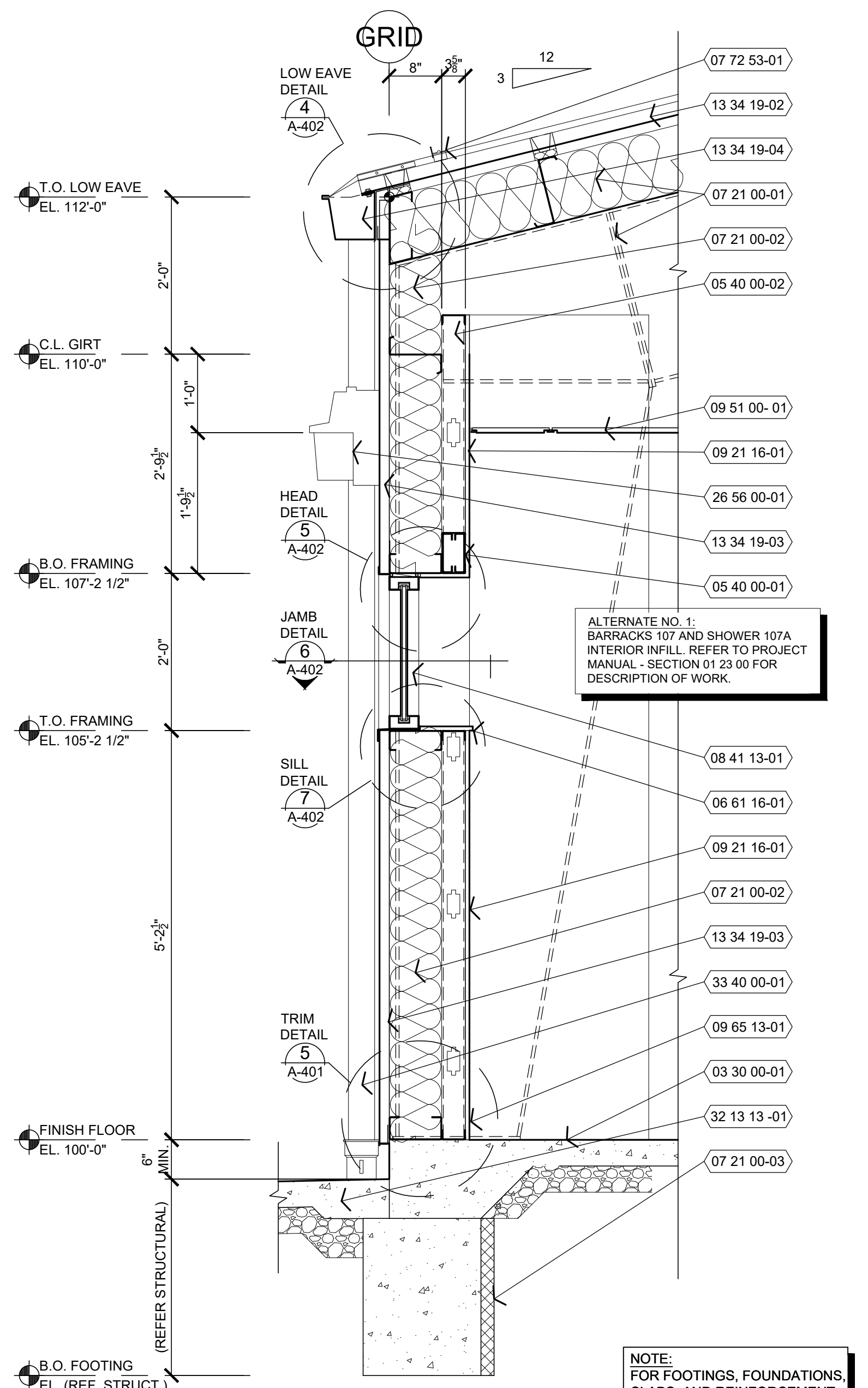
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19 OF 34 SHEETS
06/03/2026

KEY NOTES

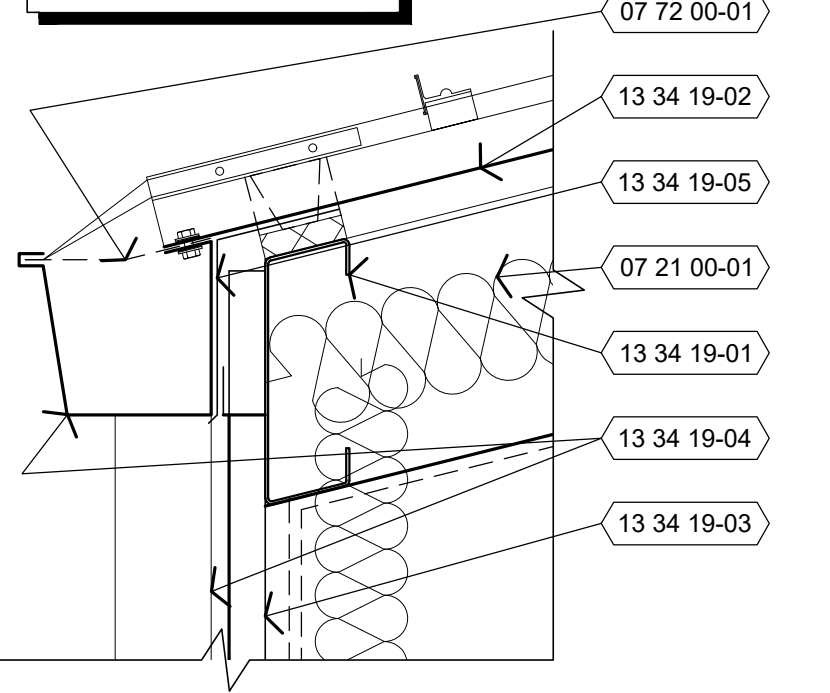
REFER TO SHEET A-301 FOR GENERAL NOTES.

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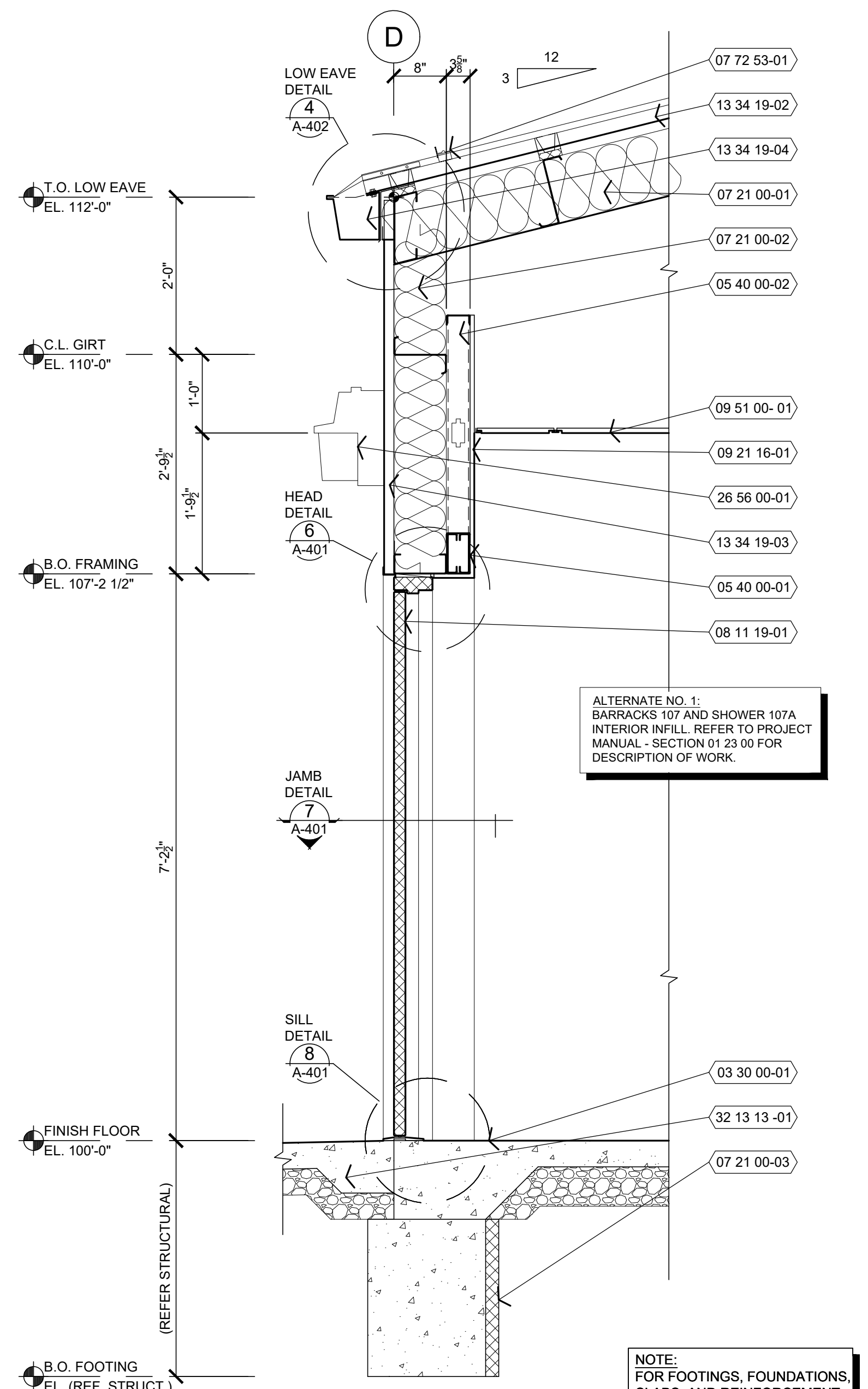
1 WALL SECTION
A-402 3/4" = 1'-0"

NOTE:
FOR ADDITIONAL
REQUIREMENTS,
REFER:



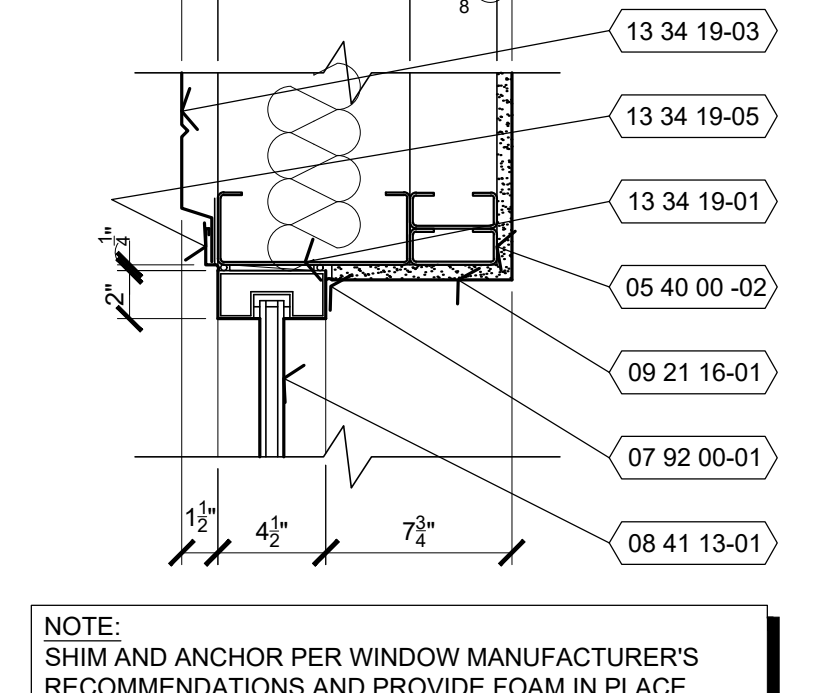
4 DETAIL
A-402 1 1/2" = 1'-0"

5 HEAD
A-402 1 1/2" = 1'-0"



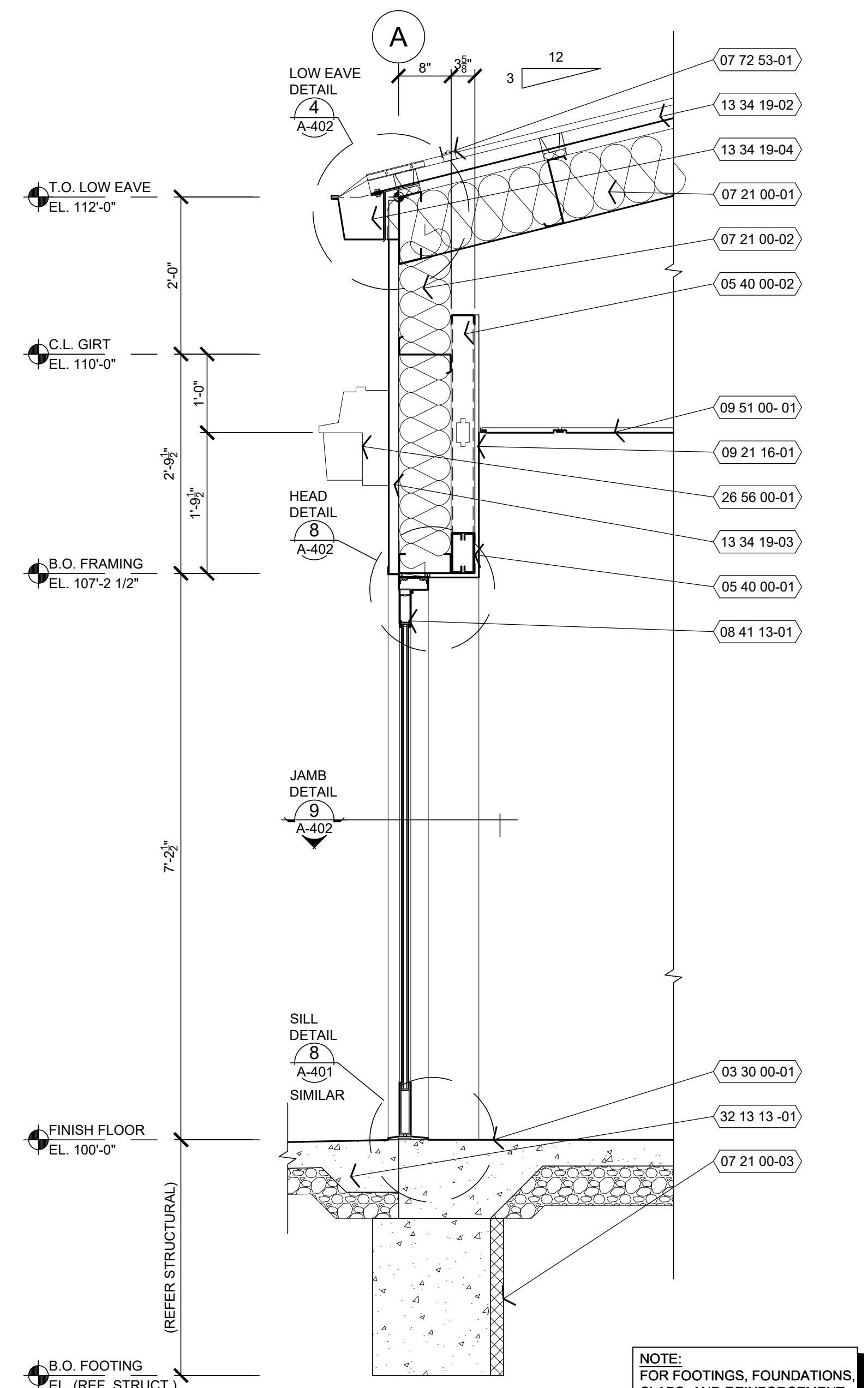
2 WALL SECTION
A-402 3/4" = 1'-0"

NOTE:
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REQUIREMENTS,
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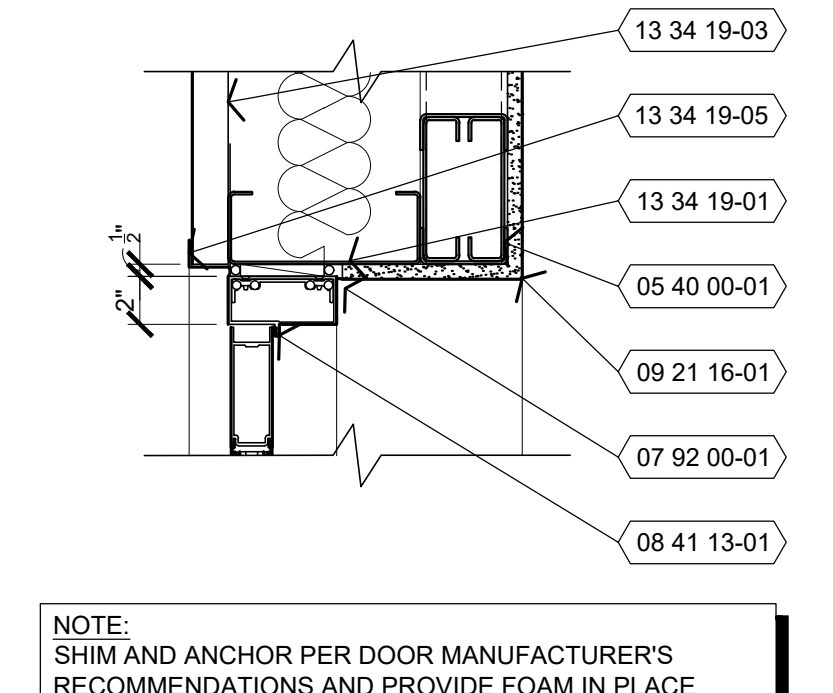
6 JAMB
A-402 1 1/2" = 1'-0"

7 SILL
A-402 1 1/2" = 1'-0"



3 WALL SECTION
A-402 3/4" = 1'-0"

NOTE:
FOR ADDITIONAL
REQUIREMENTS,
REFER:



8 HEAD
A-402 1 1/2" = 1'-0"

9 JAMB
A-402 1 1/2" = 1'-0"

NOTE:
SHIM AND ANCHOR PER WINDOW MANUFACTURER'S
RECOMMENDATIONS AND PROVIDE FOAM IN PLACE
INSULATION AT FRAME JOINTS.

NOTE:
SHIM AND ANCHOR PER DOOR MANUFACTURER'S
RECOMMENDATIONS AND PROVIDE FOAM IN PLACE
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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY
MISSOURI ARMY
NATIONAL GUARD

CONSTRUCT NEW
60 SOLDIER BARRACKS

CAMP CLARK
TRAINING SITE
18159 SOUTH K HIGHWAY
NEVADA, MISSOURI

PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING # 446

REVISION: _____
DATE: _____
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DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-A-403
DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:

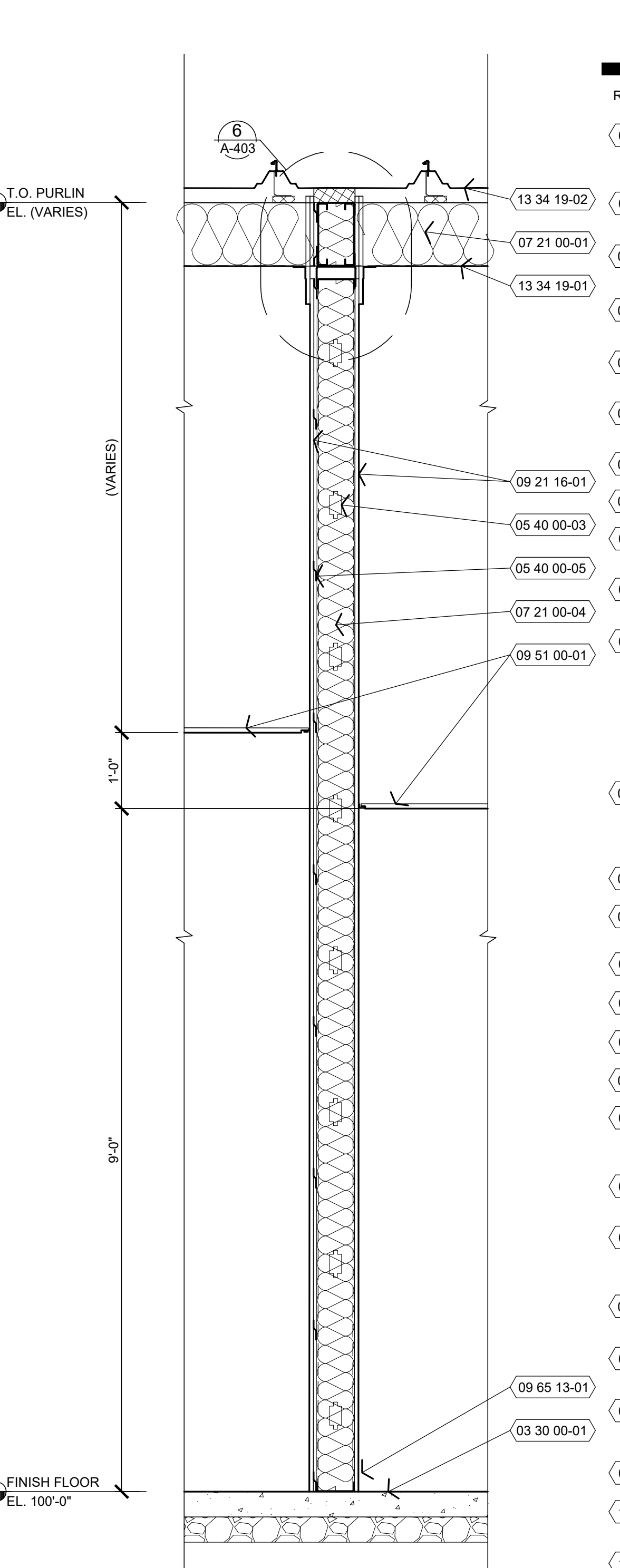
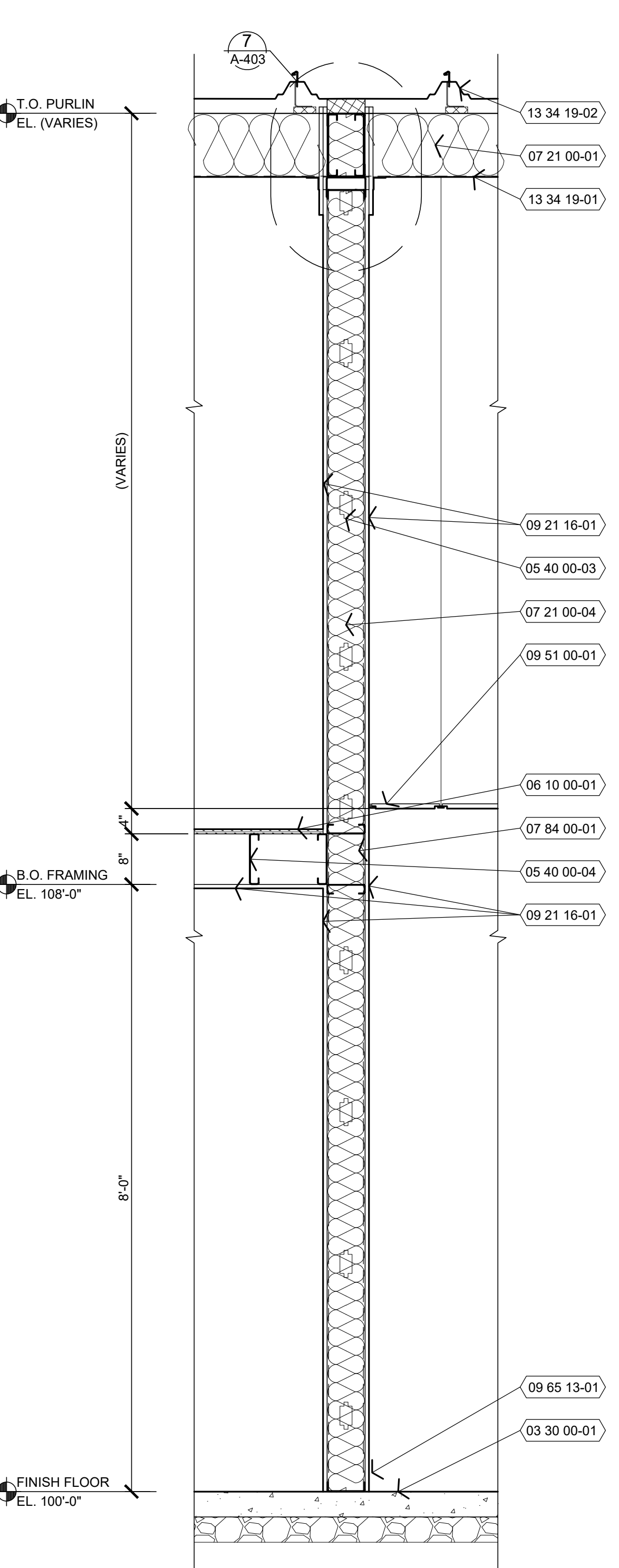
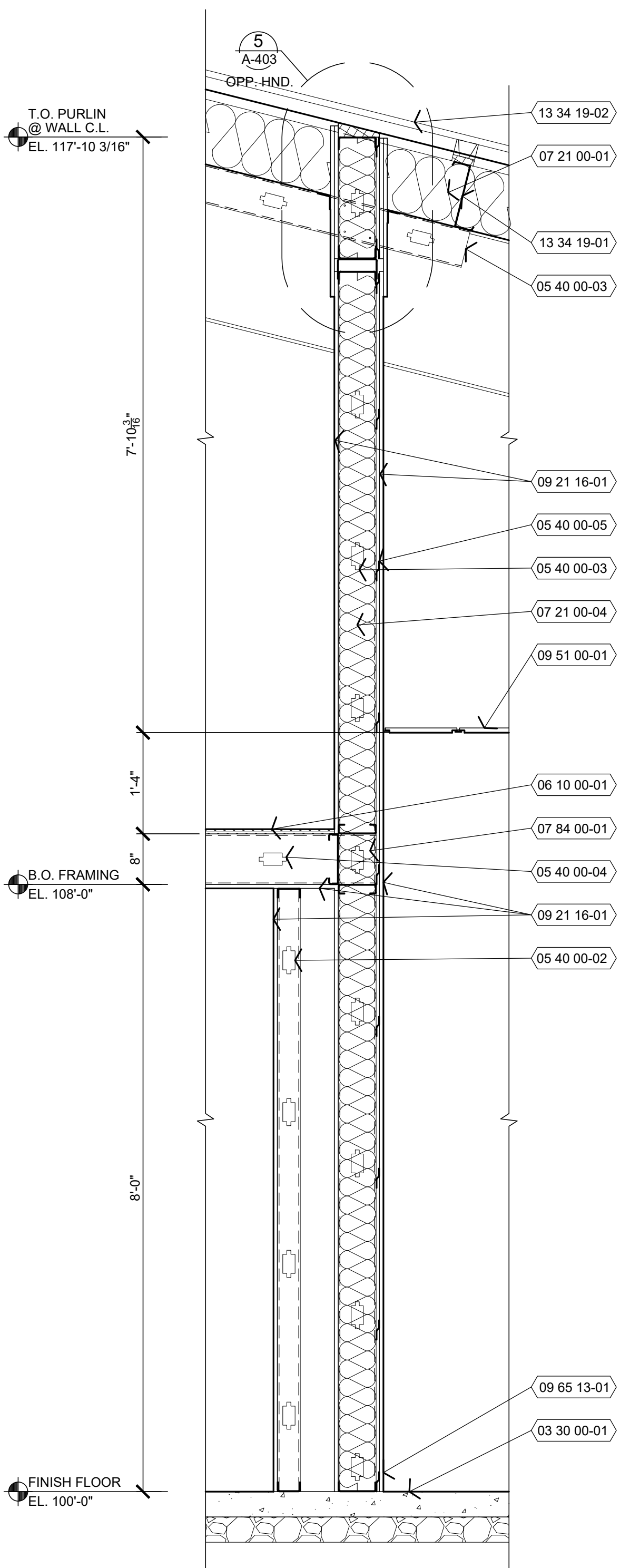
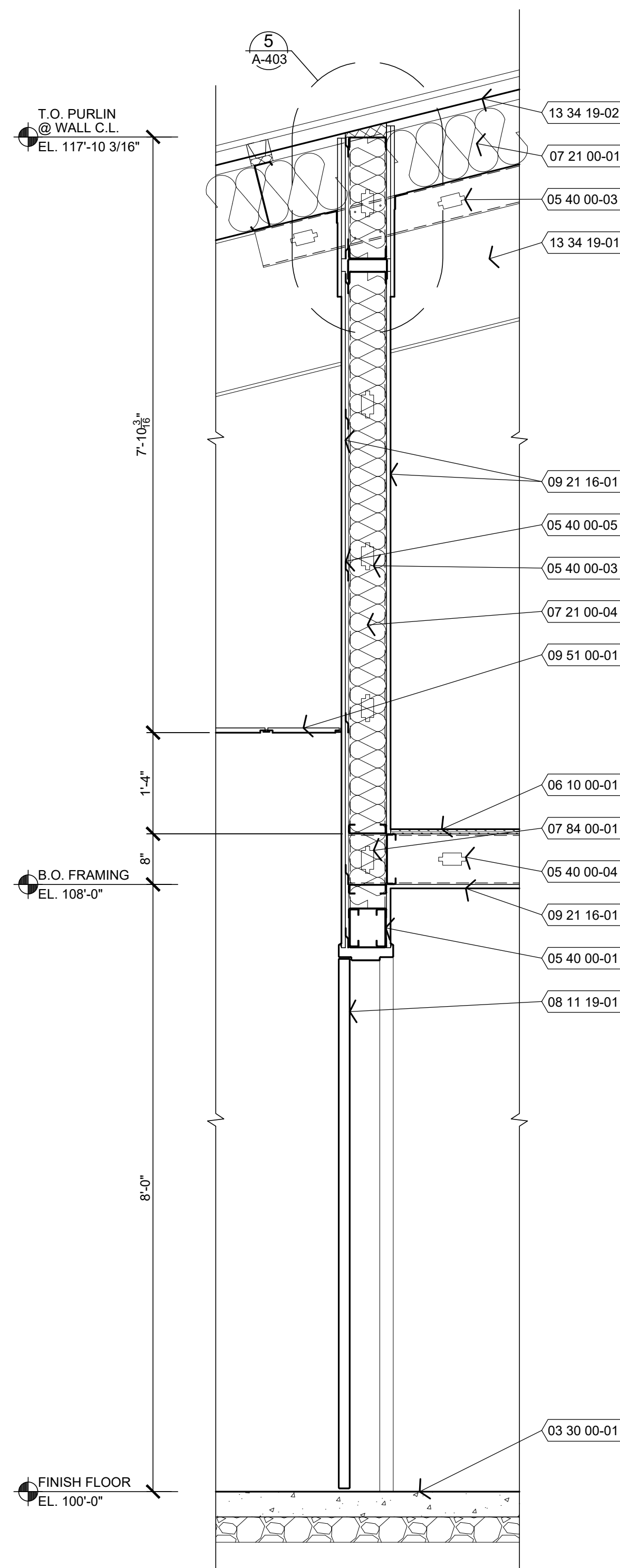
A-403

20 OF 34 SHEETS
06/03/2026

KEY NOTES

REFER TO SHEET A-301 FOR GENERAL NOTES.

- 03 30 00-01 CONCRETE FLOOR SLAB. REFER TO STRUCTURAL DRAWINGS AND INTERIOR FINISH PLAN FOR ADDITIONAL REQUIREMENTS.
- 05 40 00-01 COLD FORM METAL BOX HEADER. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 05 40 00-02 362S162-33 COLD FORM METAL FRAMING AT 24" O.C. REFER TO INTERIOR WALL TYPE FOR ADDITIONAL REQUIREMENTS.
- 05 40 00-03 600S162-33 COLD FORM METAL FRAMING AT 24" O.C. REFER TO INTERIOR WALL TYPE FOR ADDITIONAL REQUIREMENTS.
- 05 40 00-04 800S162 COLD FORM METAL FRAMING AT 24" O.C. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 05 40 00-05 50F125-18 COLD FORM RESILIENT CHANNELS HORIZONTAL AT 24" O.C. ON ONE SIDE WITH OUTSIDE LEG UP.
- 05 40 00-06 COLD FORM METAL DEFLECTION CHANNEL.
- 05 40 00-07 COLD FORM METAL TOP AND BOTTOM TRACK CONTINUOUS.
- 06 10 00-01 3/4" FIRE TREATED PLYWOOD DECKING. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 06 61 16-01 SOLID SURFACE FABRICATION. REFER TO INTERIOR FINISHES SCHEDULE.
- 07 21 00-01 PRE-ENGINEERED METAL BUILDING ROOF BATT INSULATION (R-36) LINEAR SYSTEM. VAPOR BARRIER SUPPORTED BY HIGH STRENGTH STEEL STRAPS ATTACHED TO BOTTOM OF PRE-ENGINEERED METAL BUILDING ROOF PURLINS WITH (1) LAYER 8" (R-25) UN-FACED BATT INSULATION PARALLEL TO PURLIN CAVITY AND (1) LAYER 3 1/2" (R-11) UN-FACED BATT INSULATION PERPENDICULAR OVER TOP OF ROOF PURLINS. SEAL ALL JOINTS WITH TAPE.
- 07 21 00-02 PRE-ENGINEERED METAL BUILDING CAVITY WALL. UNFACED BATT INSULATION (R-25) SYSTEM (UNCOMPRESSED) WITH VAPOR BARRIER SUPPORTED WITH HIGH STRENGTH STEEL STRAPS ATTACHED TO GIRTS. SEAL ALL JOINTS WITH TAPE.
- 07 21 00-03 2" RIGID INSULATION BOARD (R-10).
- 07 21 00-04 6" UNFACED SOUND ATTENUATION BATT INSULATION. REFER TO FLOOR PLAN AND WALL TYPES.
- 07 72 00-01 REMOVABLE GUTTER DEBRIS SCREENS.
- 07 72 53-01 SNOW GUARDS. REFER TO ROOF PLAN.
- 07 84 00-01 FIRE STOPPING COMPRESSIBLE MINERAL WOOL.
- 07 84 00-02 FIRE STOPPING SEALANT CONTINUOUS AT PENETRATIONS.
- 07 92 00-01 SEALANT WITH BACKER ROD BOTH SIDES OF OPENING JOINTS. COLOR TO MATCH ADJACENT MATERIAL FINISH, UNLESS OTHERWISE NOTED.
- 08 11 19-01 STEEL DOOR AND FRAME SYSTEM. REFER TO FLOOR PLAN AND DOOR SCHEDULE FOR TYPES AND LOCATIONS.
- 08 41 13-01 ALUMINUM ENTRANCE AND STOREFRONT DOOR OR WINDOW SYSTEM. REFER TO FLOOR PLANS AND SCHEDULES FOR TYPES AND LOCATIONS.
- 08 41 13-02 ALUMINUM ENTRANCE AND STOREFRONT SUBSILL EXTENSION WITH DRIP. SET IN SEALANT BED.
- 09 21 16-01 5/8" TYPE "X" GYPSUM BOARD. REFER TO INTERIOR WALL TYPES FOR ADDITIONAL REQUIREMENTS.
- 09 51 00-01 SUSPENDED ACOUSTICAL LAY-IN CEILING SYSTEM. REFER TO REFLECTIVE CEILING PLAN AND INTERIOR FINISH SCHEDULE.
- 09 65 13-01 RESILIENT BASE. REFER TO INTERIOR FINISH SCHEDULE.
- 10 26 00-01 WALL AND DOOR PROTECTION CORNER GUARD. REFER TO INTERIOR FINISH PLAN.
- 13 34 19-01 PRE-ENGINEERED METAL BUILDING PRIMARY AND SECONDARY STRUCTURAL FRAMING. REFER TO SUBMITTALS FOR ADDITIONAL REQUIREMENTS.
- 13 34 19-02 PRE-ENGINEERED METAL BUILDING SHEET METAL STANDING SEAM (STRUCTURAL TRAPEZOIDAL PROFILE) ROOFING PANEL SYSTEM OVER THERMAL BLOCKS (R-5).
- 13 34 19-03 PRE-ENGINEERED METAL BUILDING EXTERIOR WALL PANEL SYSTEM OVER THERMAL BREAK TAPE.
- 13 34 19-04 PRE-ENGINEERED METAL BUILDING SHEET METAL GUTTERING AND DOWNSPOUT SYSTEM.
- 13 34 19-05 PRE-ENGINEERED METAL BUILDING SHEET METAL TRIM, FLASHING, COUNTER, FLASHING, DRIP CLOSURES, TRANSITIONS, CLADDING, FLUTE CLOSURES AND ACCESSORIES.
- 13 34 19-06 PRE-ENGINEERED METAL BUILDING INTERIOR WALL PANEL SYSTEM.
- 26 56 00-01 EXTERIOR LIGHT FIXTURE SYSTEM. REFER TO ELECTRICAL DRAWINGS.
- 32 13 13-01 CONCRETE SIDEWALK SLOPING 1/4:12 AWAY FROM BUILDING. REFER TO CIVIL DRAWINGS.
- 33 40 00-01 DOWNSPOUT COLLECTION SYSTEM. REFER TO CIVIL DRAWINGS.

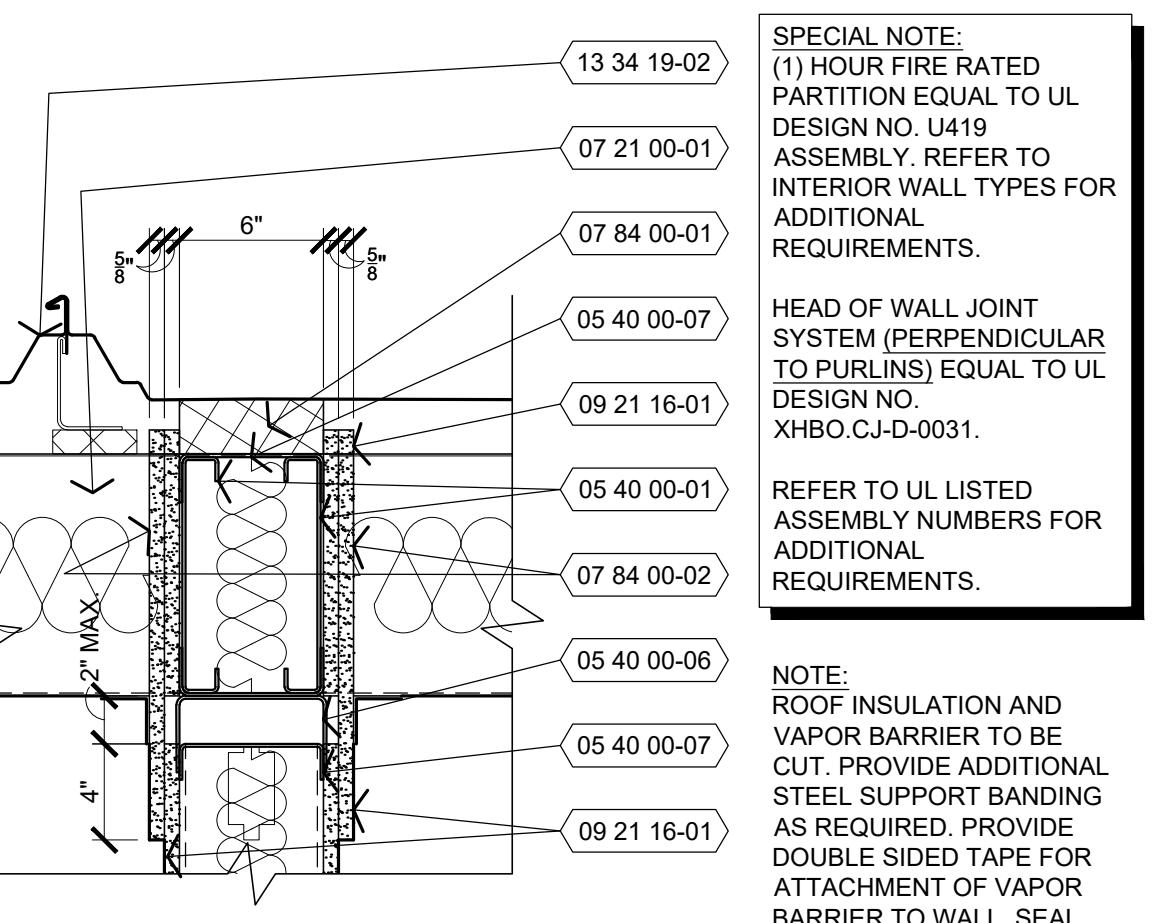
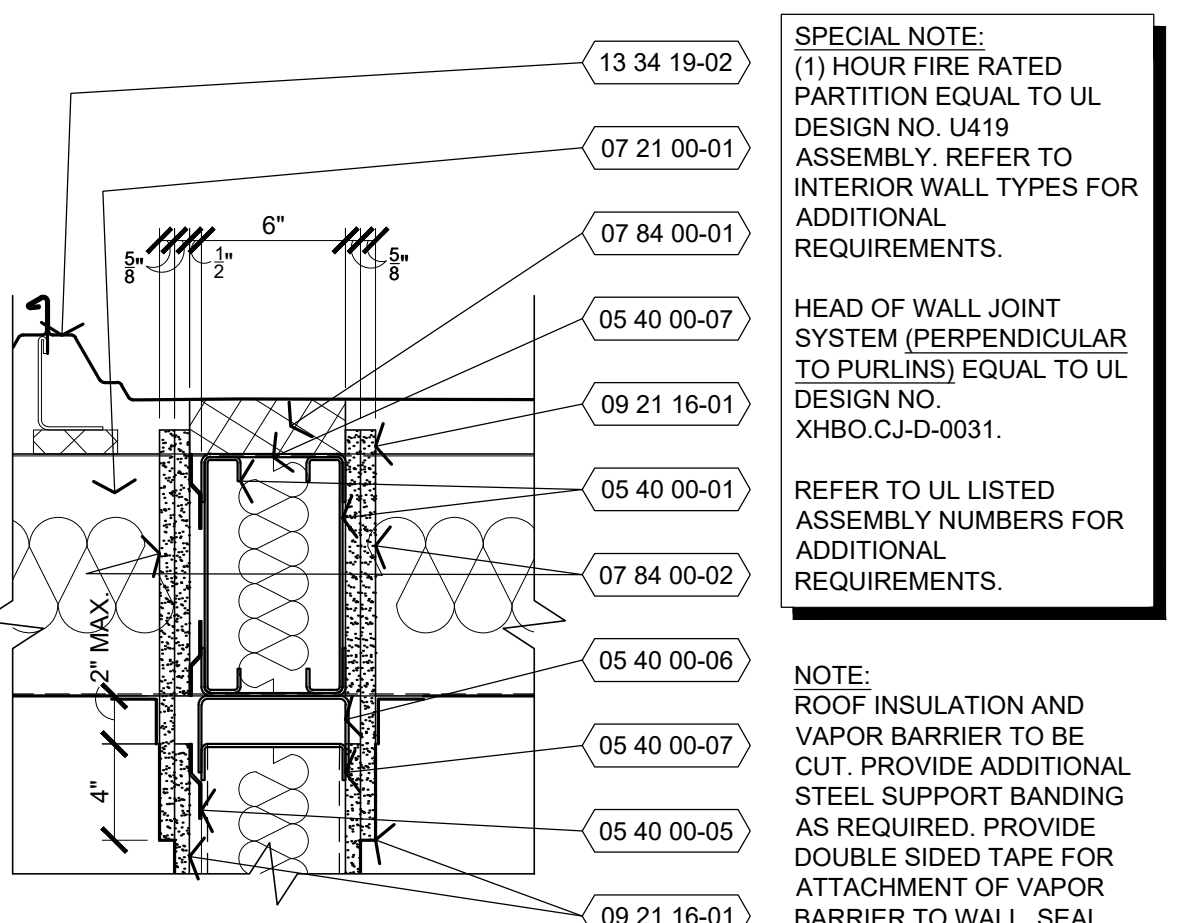
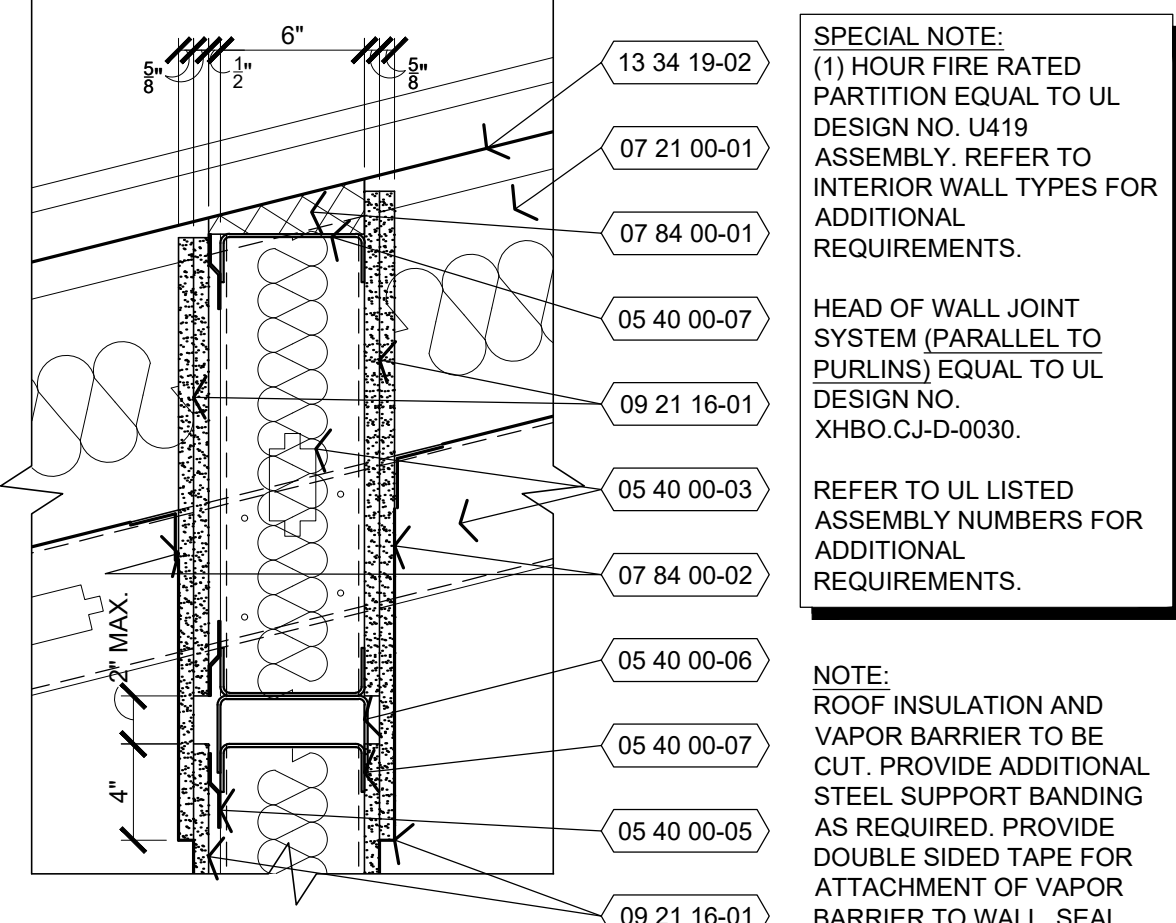


1 WALL SECTION
A-403 3/4" = 1'-0"

2 WALL SECTION
A-403 3/4" = 1'-0"

3 WALL SECTION
A-403 3/4" = 1'-0"

4 WALL SECTION
A-403 3/4" = 1'-0"



5 DETAIL
A-403 1 1/2" = 1'-0"
FIRE-RATED WALL TERMINATION (PARALLEL TO ROOF PURLINS)

6 DETAIL
A-403 1 1/2" = 1'-0"
FIRE-RATED WALL TERMINATION (PARALLEL TO ROOF PURLINS)

7 DETAIL
A-403 1 1/2" = 1'-0"
FIRE-RATED WALL TERMINATION (PARALLEL TO ROOF PURLINS)



SHEETS BEARING THIS SEAL ARE AUTHENTICATED,
RESPONSIBILITY FOR ALL OTHER PLANS,
SPECIFICATIONS OR INSTRUMENTS ARE DISCLAIMED.

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CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
**ENLARGED PLAN,
INTERIOR ELEVATIONS
(ALTERANTE NO. 1)**

SHEET NUMBER:

A-404

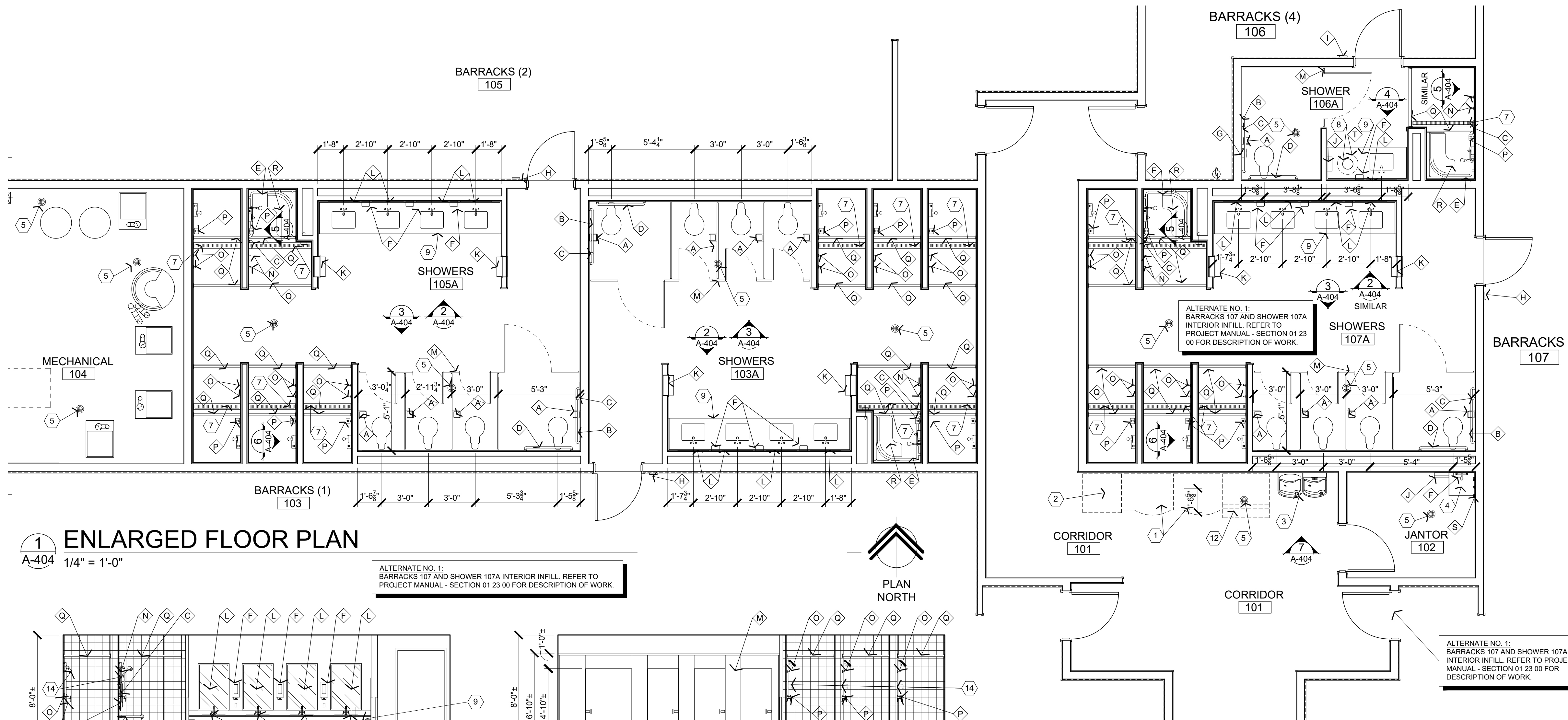
21 OF 34 SHEETS
06/03/2026

GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) ALL DIMENSIONS ARE TO ROUGH FACE OF FRAMING OR CENTERLINE OF FIXTURE UNLESS OTHERWISE INDICATED. TOILET PARTITION DIMENSIONS ARE TO FACE OF GYPSUM BOARD AND CENTERLINE OF PANEL. PANEL 1" (NOMINAL) THICKNESS DIMENSIONS NOT SHOWN FOR CLARITY.
- (C) REFER TO PLUMBING PLANS FOR PLUMBING FIXTURE TYPES.
- (D) REFER TO INTERIOR FINISH PLANS FOR MATERIALS AND FINISHES.
- (E) REFER TO FLOOR PLAN FOR WALL TYPES AND ASSEMBLIES.

KEY NOTES

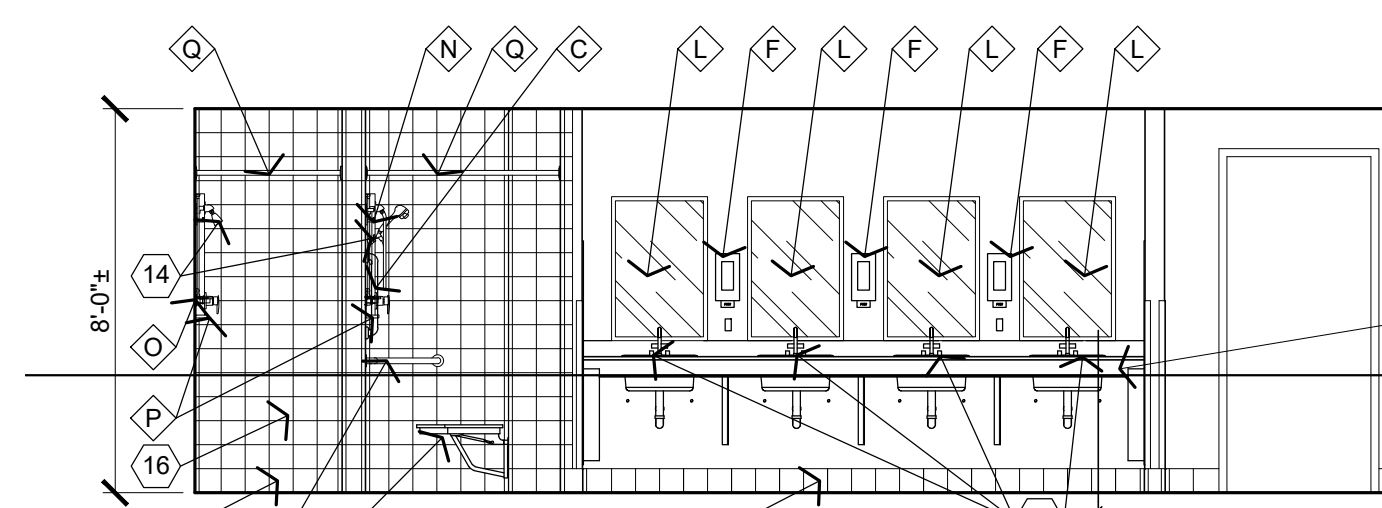
- 1 VENDING MACHINE (BY OTHERS).
- 2 DEDICATED RECYCLING CONTAINER (BY OTHERS).
- 3 HIGH / LOW DRINKING FOUNTAIN WITH CAIN GUARD, REFER TO PLUMBING DRAWINGS.
- 4 JANITOR'S SINK, REFER TO PLUMBING DRAWINGS.
- 5 FLOOR DRAIN, REFER TO DETAIL 2/A-501 AND PLUMBING DRAWINGS.
- 6 WALL CONSTRUCTION, REFER TO FLOOR PLAN FOR TYPES.
- 7 SHOWER TRENCH DRAIN, REFER TO STRUCTURAL AND PLUMBING DRAWINGS. SLOPE CONCRETE FLOOR 1/4"=12" MAXIMUM TO DRAIN.
- 8 8" DIAMETER COUNTER OPENING FOR BELOW COUNTER TRASH DISPOSAL.
- 9 SOLID SURFACE COUNTER TOP, SINK, FRONT, BACKSPASH & SIDESPLASH.
- 10 FAUCET, REFER TO PLUMBING DRAWINGS.
- 11 (NOT USED).
- 12 FUTURE ICE MACHINE (BY OTHERS).
- 13 STAINLESS STEEL (24 GA. WITH US32D FINISH) WALL COVERING WITH EXPOSED EDGES BEVELED.
- 14 SHOWER UNIT, REFER TO PLUMBING DRAWINGS
- 15 FIRE TREATED 2X WOOD BLOCKING.
- 16 GLAZED WALL TILE, REFER TO FINISH SCHEDULE ON SHEET I-101.
- 17 GLAZED TILE BASE - REFER TO FINISH SCHEDULE ON SHEET I-101.



1 ENLARGED FLOOR PLAN

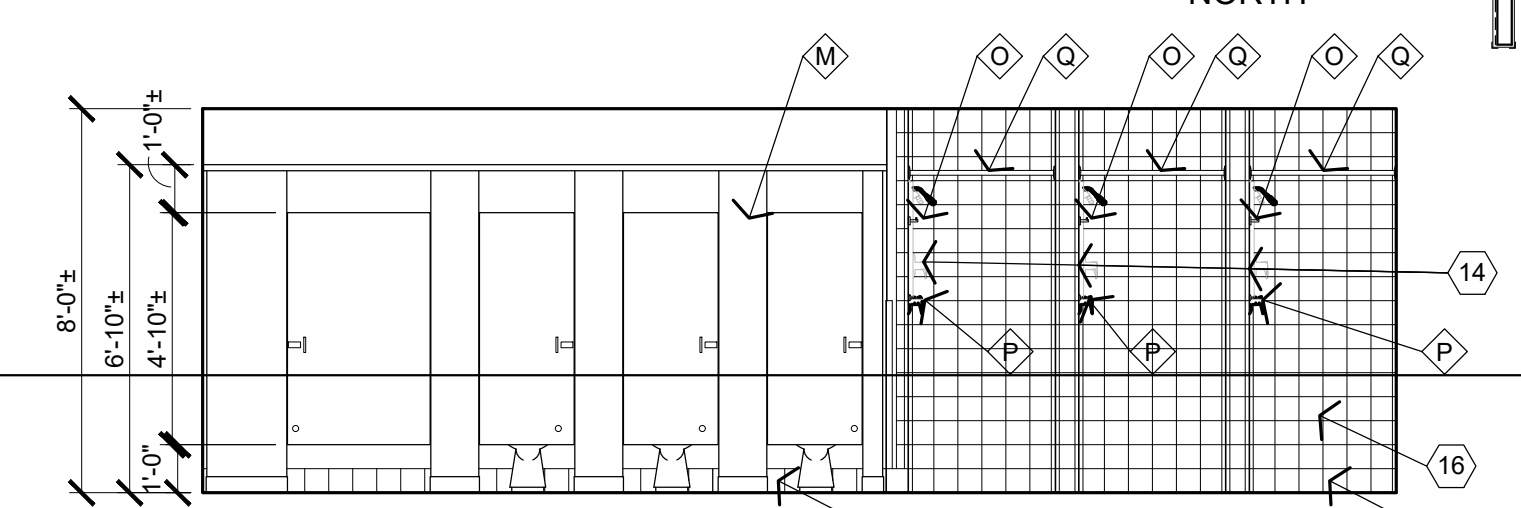
A-404 1/4" = 1'-0"

ALTERNATE NO. 1:
BARRACKS 107 AND SHOWER 107A
INTERIOR INFILL. REFER TO
PROJECT MANUAL - SECTION 01 23 00 FOR DESCRIPTION OF WORK.



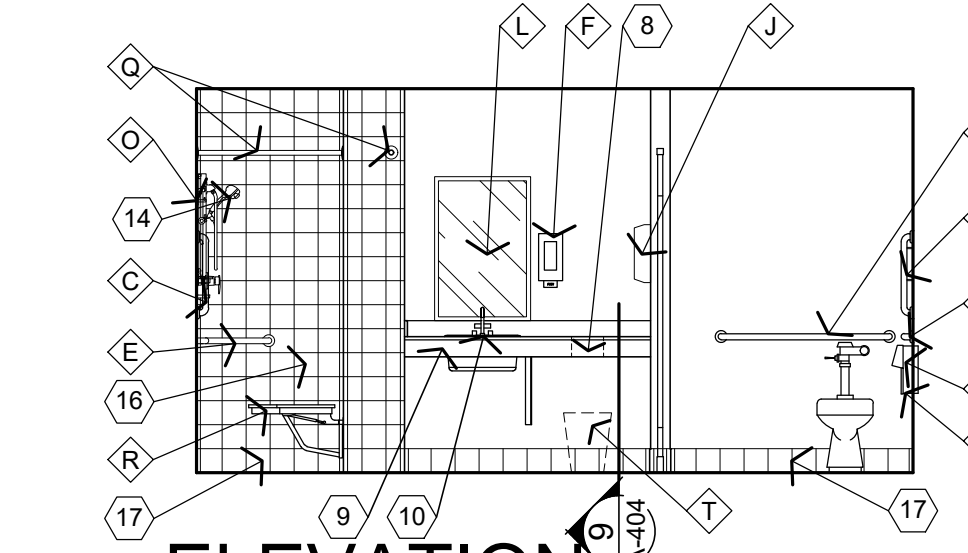
2 ELEVATION

A-404 1/4" = 1'-0"



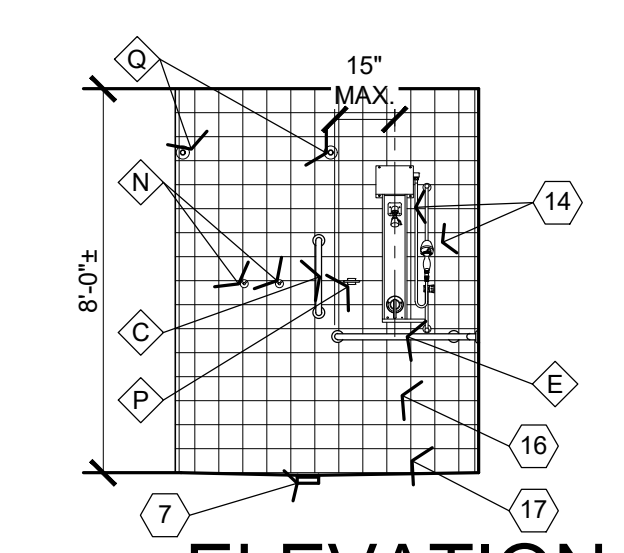
3 ELEVATION

A-404 1/4" = 1'-0"



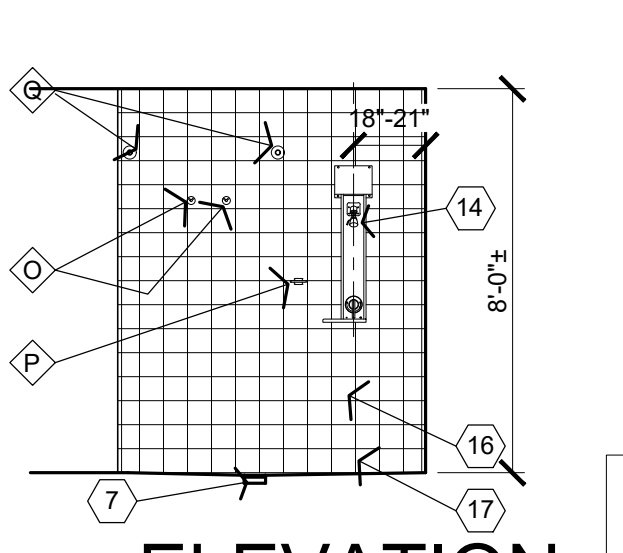
4 ELEVATION

A-404 1/4" = 1'-0"



5 ELEVATION

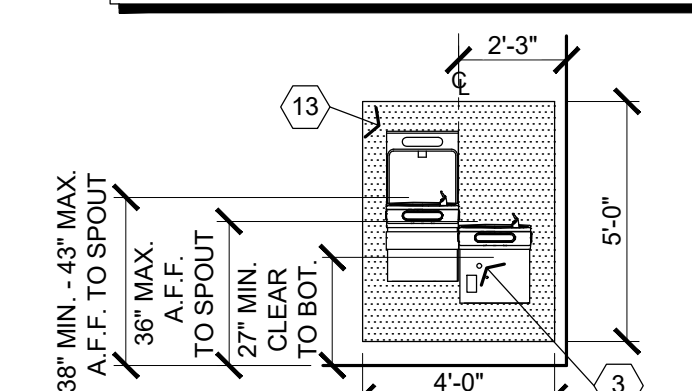
A-404 1/4" = 1'-0"



6 ELEVATION

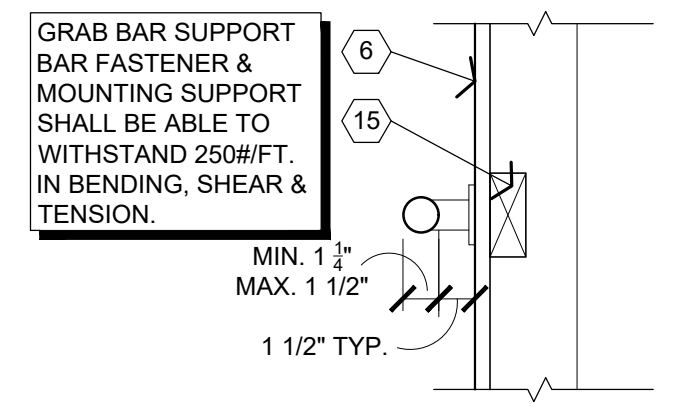
A-404 1/4" = 1'-0"

SPECIAL NOTE:
DRINKING FOUNTAIN UNIT TO BE PROVIDED WITH CANE
GUARD. REFER TO PLUMBING DRAWINGS. REFER TO
ELEVATIONS FOR REQUIRED LEVEL CONFIGURATIONS.



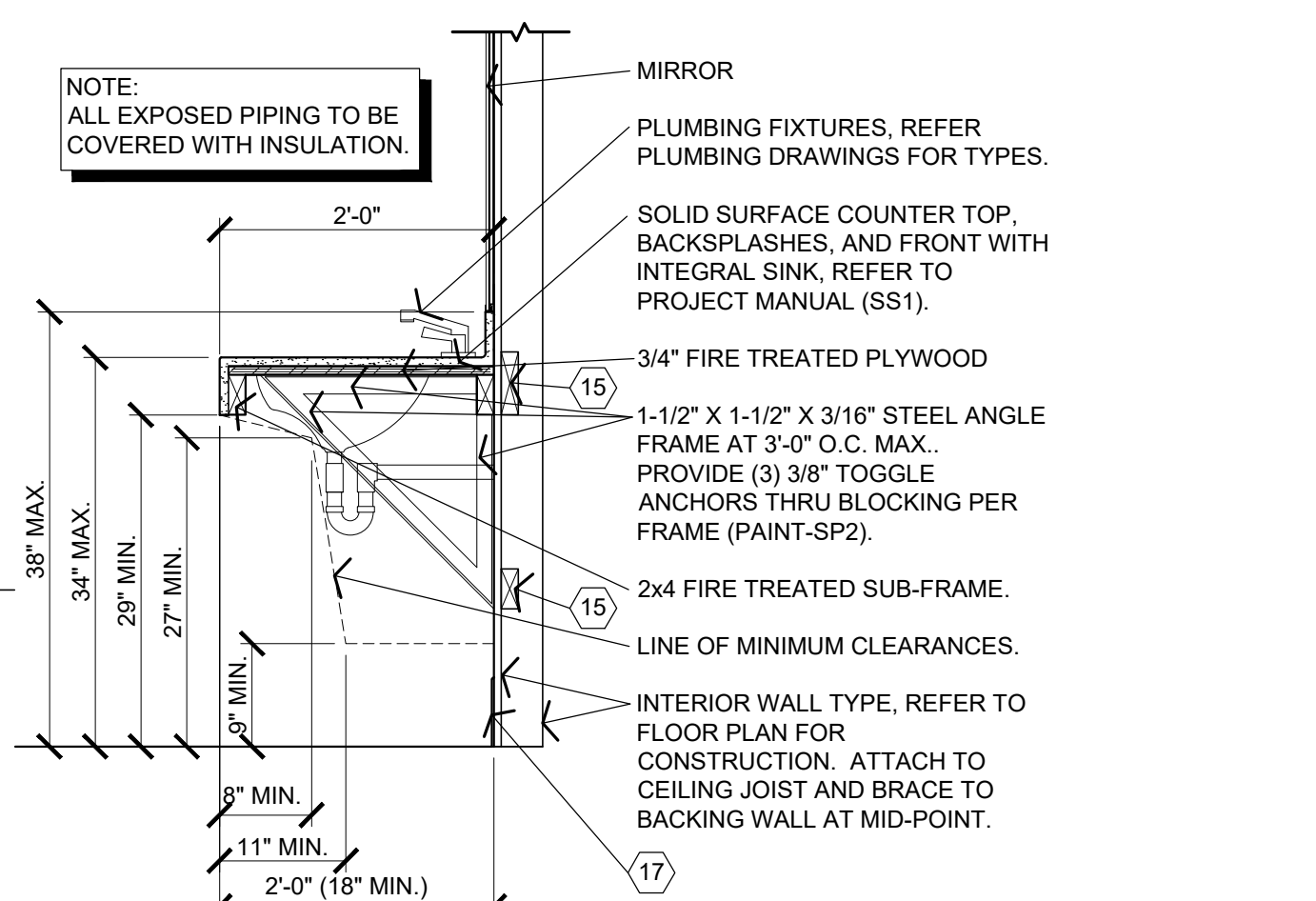
7 ELEVATION

A-404 1/4" = 1'-0"



8 DETAIL

A-404 1 1/2" = 1'-0"



9 SECTION

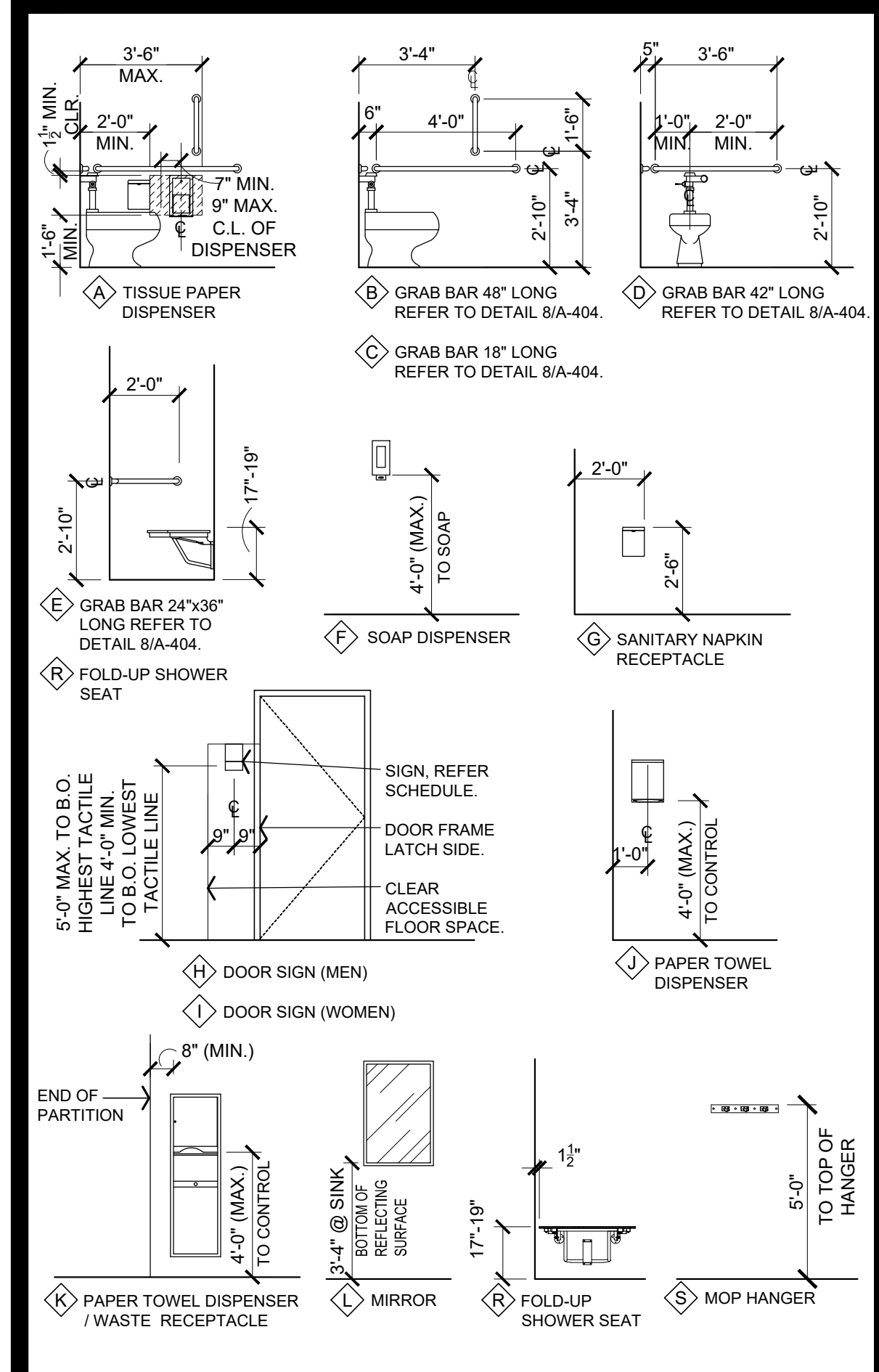
A-404 3/4" = 1'-0"

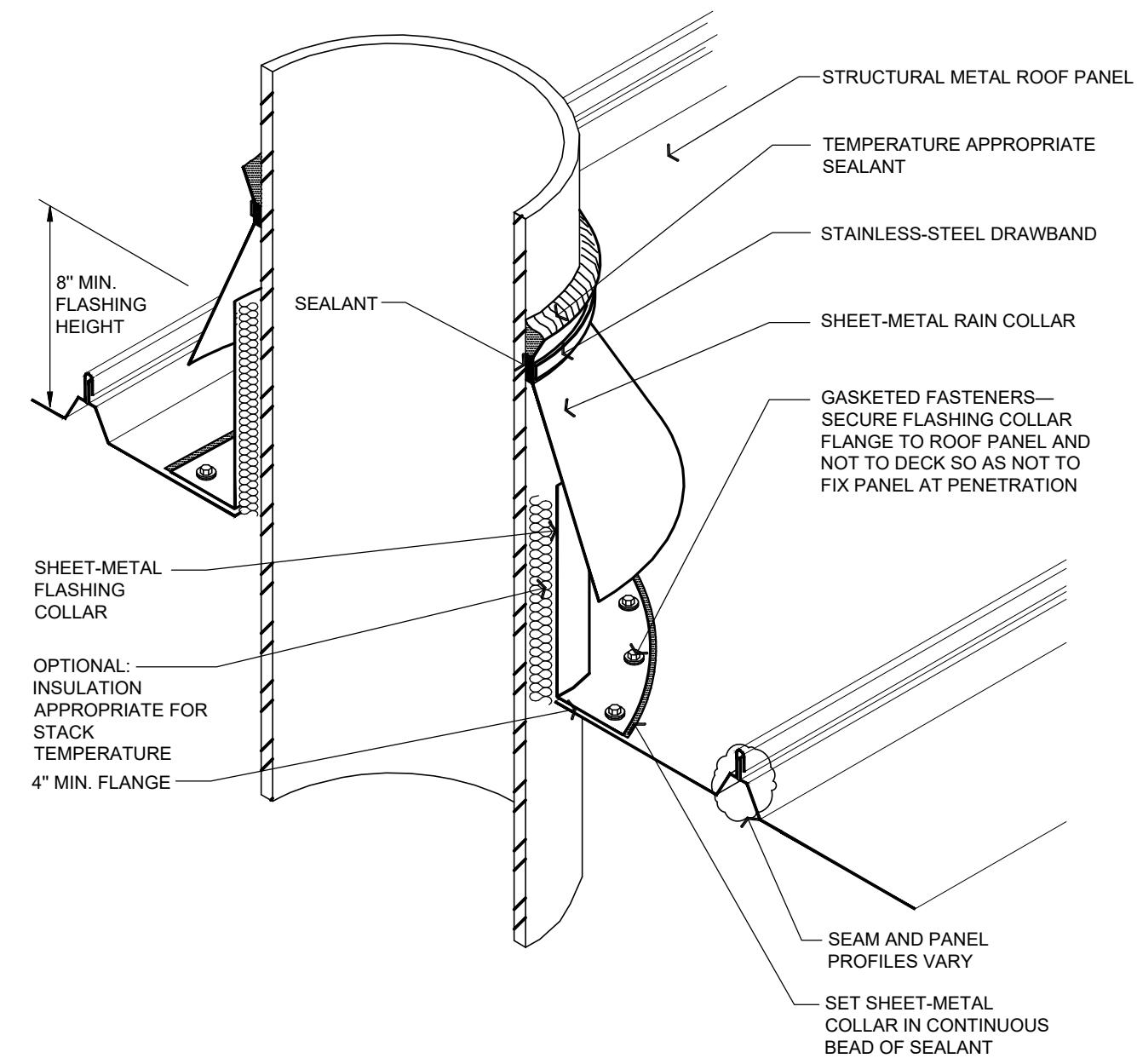
ACCESSORY SCHEDULE

MK	DESCRIPTION	MANUFACTURER	SERIES / MODEL	MOUNTING LOCATION	ACCESSORY NOTES
A	TISSUE PAPER DISPENSER	(REFER TO PROJECT MANUAL)	DOUBLE ROLL, STACKED	REFER PLANS, ELEVATIONS, LEGEND	--
B	GRAB BAR	(REFER TO PROJECT MANUAL)	48" LENGTH	REFER PLANS, ELEVATIONS, LEGEND	--
C	GRAB BAR	(REFER TO PROJECT MANUAL)	18" LENGTH	REFER PLANS, ELEVATIONS, LEGEND	--
D	GRAB BAR	(REFER TO PROJECT MANUAL)	42" LENGTH	REFER PLANS, ELEVATIONS, LEGEND	--
E	GRAB BAR	(REFER TO PROJECT MANUAL)	24"x36" L-SHAPED	REFER PLANS, ELEVATIONS, LEGEND	--
F	SOAP DISPENSER	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	--
G	SANITARY NAPKIN RECEPTACLE	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	SHOWER 106A ONLY
H	ACCESSIBLE R.R. SIGN (MEN)	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	NOTE 6
I	ACCESSIBLE R.R. SIGN (WOMEN)	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	NOTE 6
J	PAPER TOWEL DISPENSER	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	NOTE 7
K	PAPER TOWEL DISPENSER / WASTE RECEPTACLE	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	NOTE 7
L	MIRROR	(REFER TO PROJECT MANUAL)	24" W. x 36" H.	REFER PLANS, ELEVATIONS, LEGEND	--
M	TOILET PARTITIONS	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	NOTE 1
N	ACCESSIBLE UNIT DOUBLE ROBE HOOK	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	48" MAX. A.F.F. TO CENTER	--
O	DOUBLE ROBE HOOK	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	68" A.F.F. TO CENTER	--
P	SOAP DISH	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	48" MAX. A.F.F. TOP OF DISH	--
Q	SHOWER CURTAIN ROD	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	74 1/2" A.F.F. TO CENTER LINE	NOTES 2 & 3
R	FOLD-UP SHOWER SEAT	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	--
S	MOP HANGER	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	TOP OF SHELF 60" A.F.F.	NOTE 4
T	TRASH CAN (UNDER COUNTER)	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	--	NOTE 5

ACCESSORY GENERAL NOTES:
1. PHENOLIC OVERHEAD BRACED TOILET PARTITIONS WITH GAP FREE PRIVACY DOORS AND STYLES. THROUGH-BOLTED STAINLESS STEEL HARDWARE IN US32D FINISH. REFER TO FINISH SCHEDULE. ACCESSIBLE STALL DOORS TO BE 32" MINIMUM CLEAR WIDTH PER ADA/ANSI STANDARDS AND NON-ACCESSIBLE STALL DOORS TO BE 24" MINIMUM CLEAR WIDTH.
2. SHOWER CURTAIN TO BE FURNISHED AND INSTALLED BY OWNER.
3. PROVIDE LENGTH REQUIRED FOR UNIT.
4. REFER TO PLUMBING DRAWINGS.
5. OWNER FURNISHED AND CONTRACTOR INSTALLED.
6. REFER TO INTERIOR FINISH PLAN SIGN SCHEDULE FOR ADDITIONAL REQUIREMENTS.
7. "C" FOLD PAPER TOWEL DISPENSER.

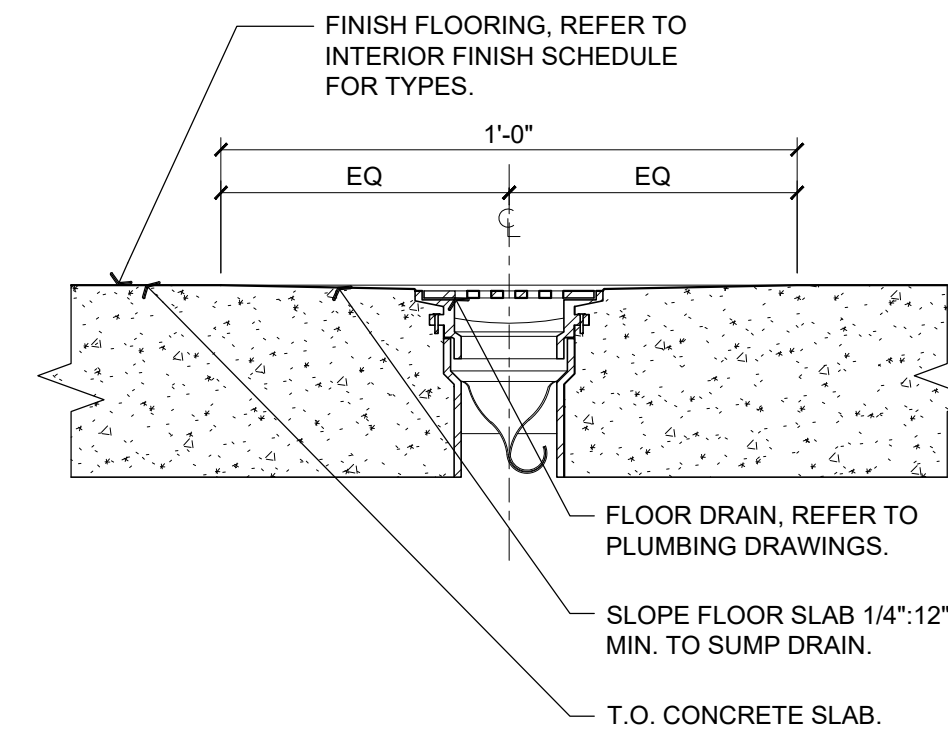
ACCESSORY MOUNTING LEGEND



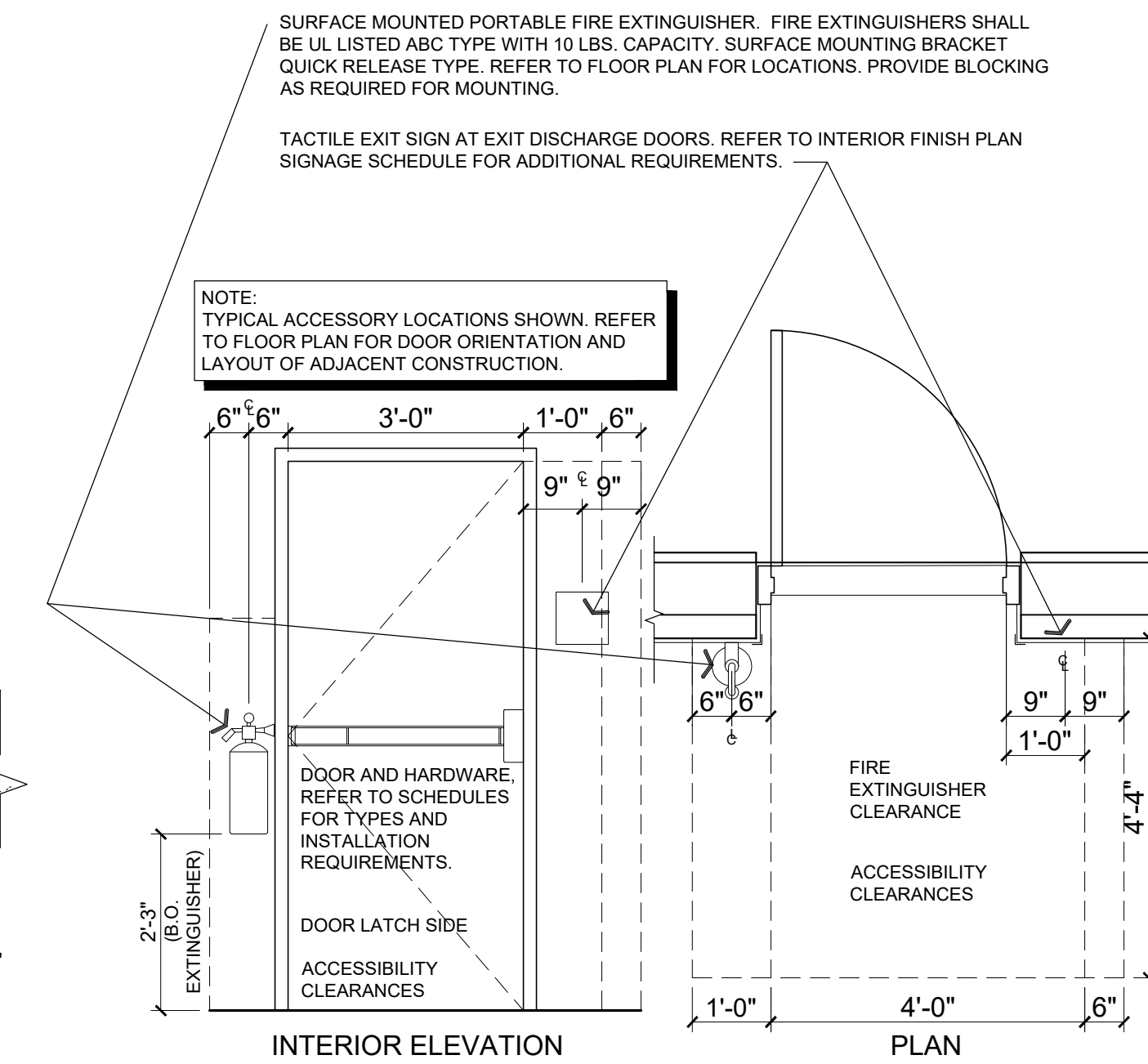


- NOTES:
1. NRCA STRONGLY RECOMMENDS PENETRATIONS SHOULD NOT INTERFERE WITH PANEL SEAMS OR OCCUR AT TRANSVERSE SEAMS.
 2. VENT STACKS AND OTHER PIPES SHOULD HAVE ADEQUATE CLEARANCE ON ALL SIDES FROM WALLS AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING AND PANEL DRAINAGE.
 3. INSULATION, VAPOR RETARDER AND THERMAL BLOCKS FOR ROOF SYSTEM ARE NOT SHOWN FOR CLARITY.
 4. REFER TO THE INTRODUCTION IN CHAPTER 10—CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

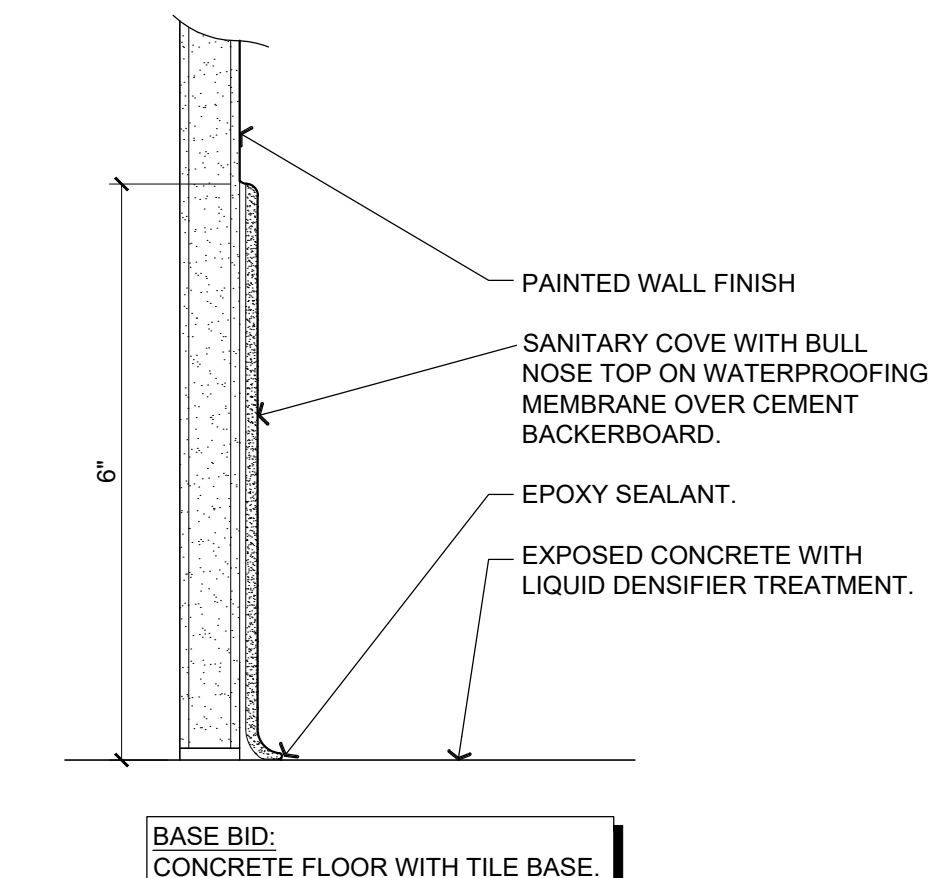
1 **DETAIL**
A-501 NOT TO SCALE



2 **TYP. FLOOR DRAIN**
A-501 3" = 1'-0"



3 **FIRE EXTINGUISHER DETAIL**
A-501 1/2" = 1'-0"



4 **COVE BASE DETAIL**
A-501 6" = 1'-0"



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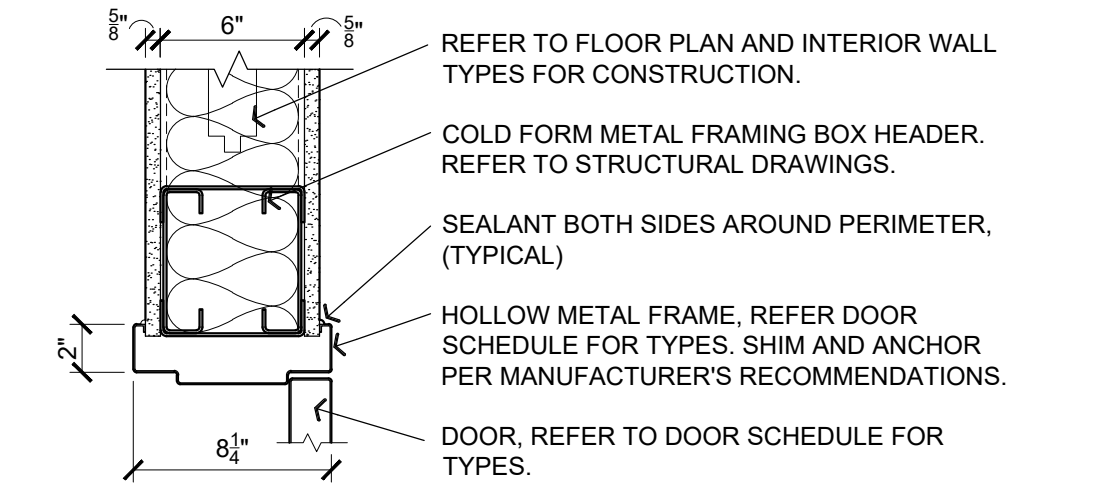
CAD DWG FILE: T2612-01-6274-8136274080-A-501
DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
**MISCELLANEOUS
DETAILS**

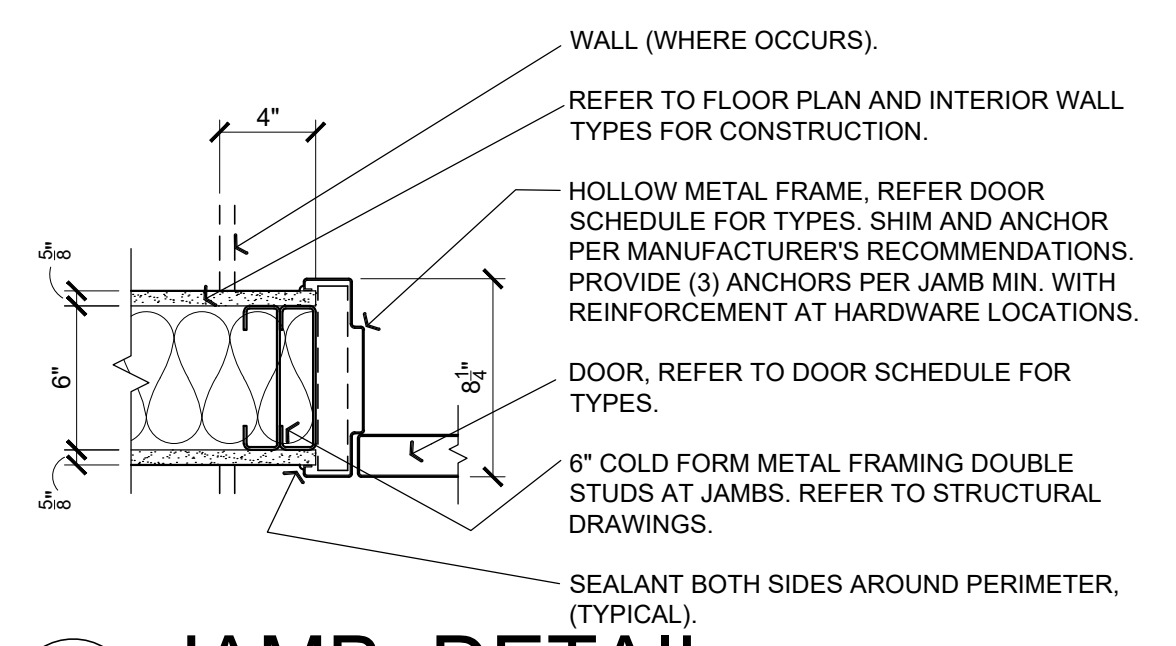
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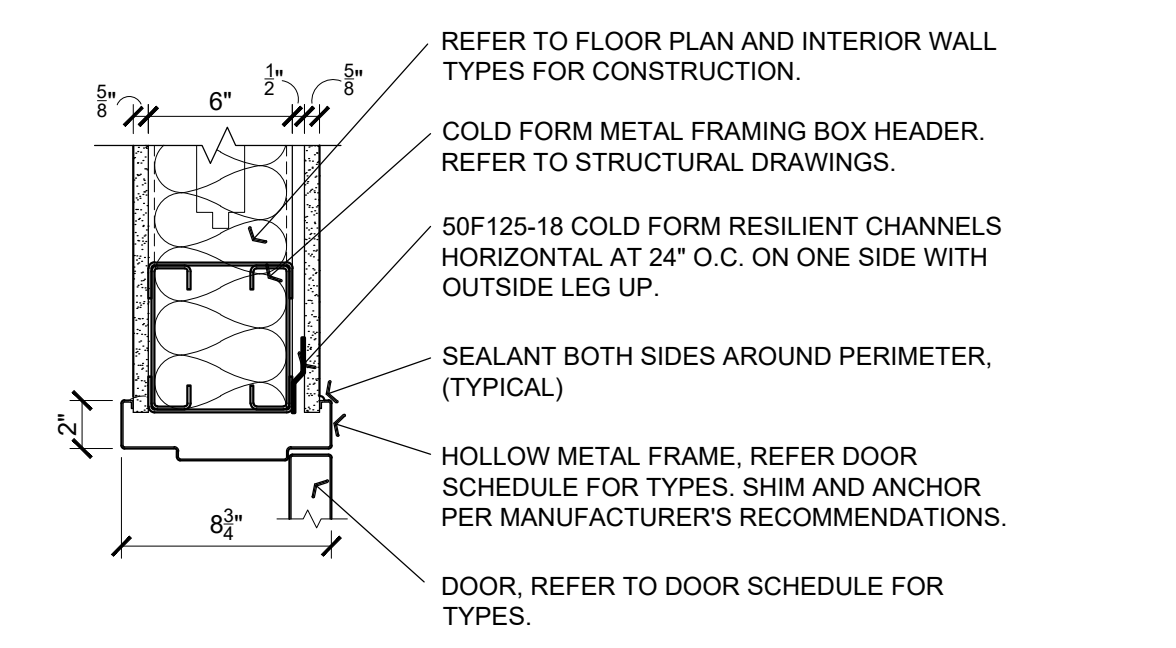
22 OF 34 SHEETS
06/03/2026



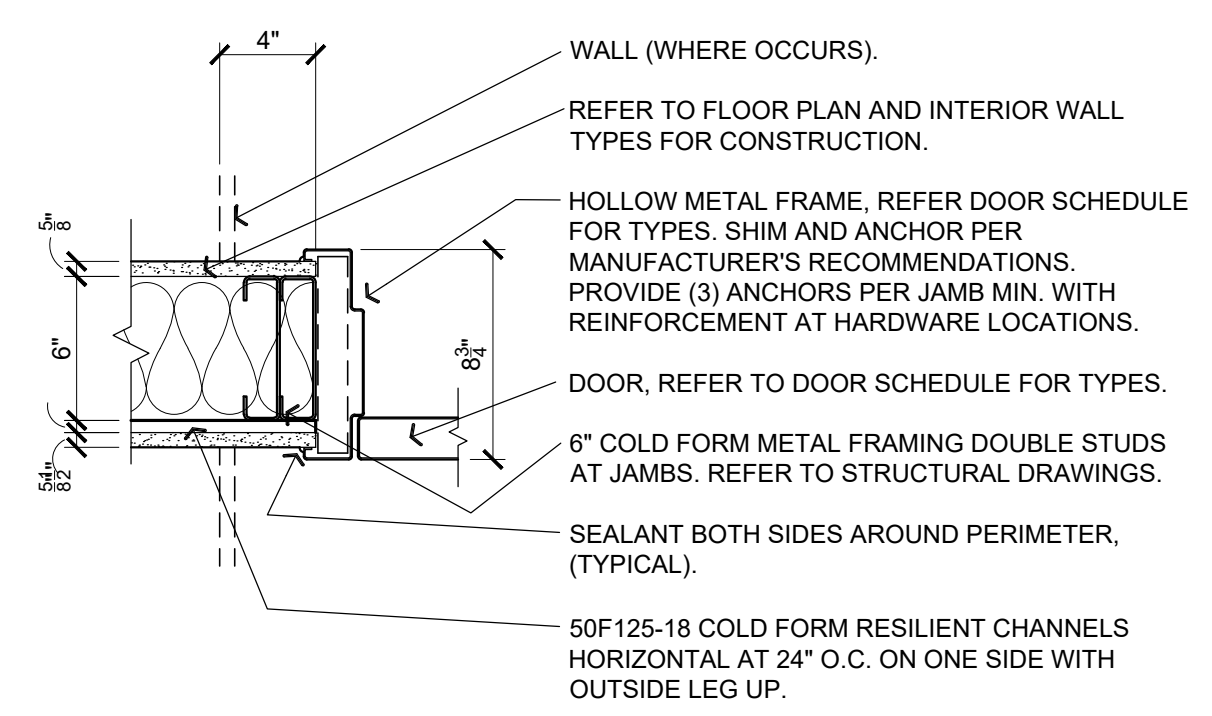
1 HEAD DETAIL
A-601 1 1/2" = 1'-0"



2 JAMB DETAIL
A-601 1 1/2" = 1'-0"



3 HEAD DETAIL
A-601 1 1/2" = 1'-0"

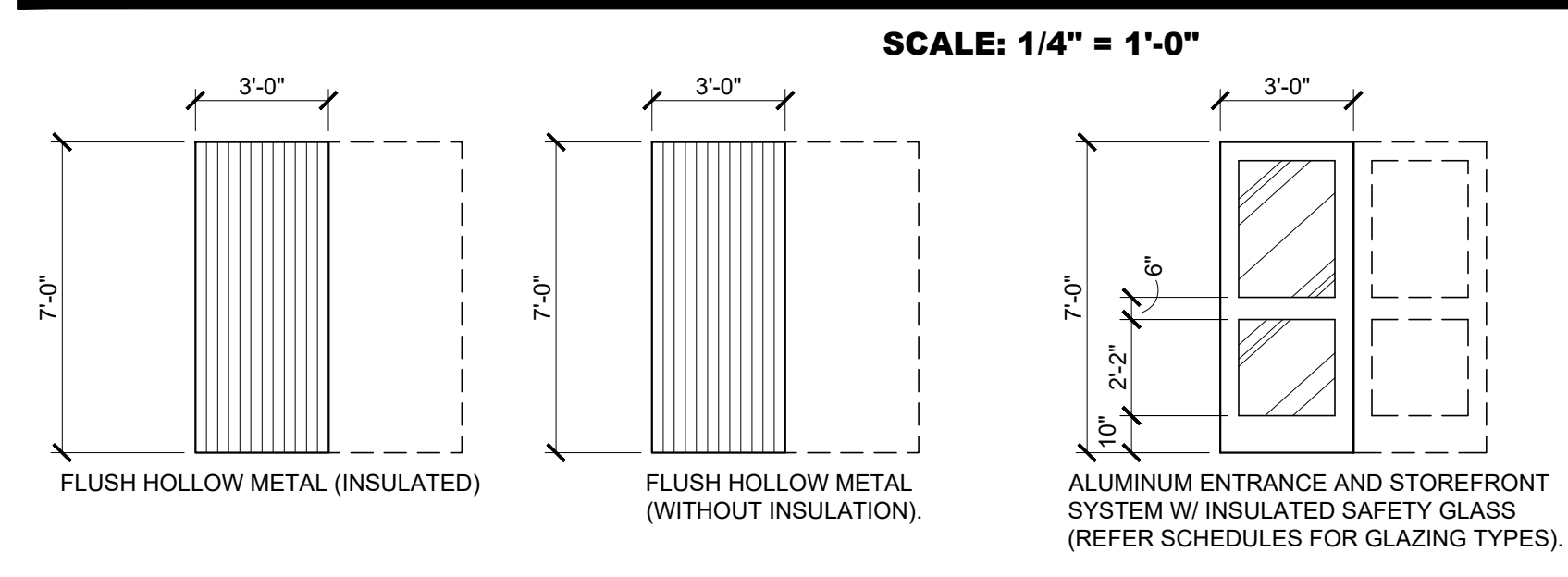


4 JAMB DETAIL
A-601 1 1/2" = 1'-0"

MARK	DOOR				HARDWARE		FRAME		DETAILS				FIRE RATING	REMARKS (REFER NOTES)	
	SIZE (W x H x D)	TYPE	SWING	MATERIAL	GLAZ. TYPE	SET #	KEYED	TYPE	MATERIAL	HEAD WIDTH	HEAD	JAMB			SILL
101	(PAIR) 3'-0" X 7'-0" X 1 3/4"	CC	RHR/LHR	ALUMINUM	1	1	LEVEL 1	4	ALUMINUM	---	8/A-401	9/A-402	8/A-401 SIMILAR	---	1, 2
102	3'-0" X 7'-0" X 1 3/4"	B	RH	HOL. METAL	---	4	LEVEL 3	3	HOL. METAL	---	1/A-601	2/A-601	-	20 MIN.	1, 2
103A	3'-0" X 7'-0" X 1 3/4"	B	LHR	HOL. METAL	---	5	---	2	HOL. METAL	---	3/A-601	4/A-601	-	20 MIN.	1, 2
103B	3'-0" X 7'-0" X 1 3/4"	A	LHR	HOL. METAL	---	2	LEVEL 1	1	HOL. METAL	---	6/A-401	7/A-401	8/A-401	---	1, 2
103C	3'-0" X 7'-0" X 1 3/4"	B	RHR	HOL. METAL	---	5	---	2	HOL. METAL	---	3/A-601	4/A-601	-	20 MIN.	1, 2
104	3'-0" X 7'-0" X 1 3/4"	A	LHR	HOL. METAL	---	3	LEVEL 3	1	HOL. METAL	---	6/A-401 SIMILAR	7/A-401 SIMILAR	8/A-401	---	1, 2
105A	3'-0" X 7'-0" X 1 3/4"	B	LHR	HOL. METAL	---	5	---	2	HOL. METAL	---	3/A-601	4/A-601	-	20 MIN.	1, 2
105B	3'-0" X 7'-0" X 1 3/4"	A	RHR	HOL. METAL	---	2	LEVEL 1	1	HOL. METAL	---	6/A-401	7/A-401	8/A-401	---	1, 2
105C	3'-0" X 7'-0" X 1 3/4"	B	RHR	HOL. METAL	---	5	---	2	HOL. METAL	---	3/A-601	4/A-601	-	20 MIN.	1, 2
106A	3'-0" X 7'-0" X 1 3/4"	B	LHR	HOL. METAL	---	6	---	2	HOL. METAL	---	3/A-601	4/A-601	-	20 MIN.	1, 2
106B	3'-0" X 7'-0" X 1 3/4"	B	LHR	HOL. METAL	---	5	---	2	HOL. METAL	---	3/A-601	4/A-601	-	20 MIN.	1, 2
107A	3'-0" X 7'-0" X 1 3/4"	B	RHR	HOL. METAL	---	5	---	2	HOL. METAL	---	3/A-601	4/A-601	-	20 MIN.	1, 2, 3
107B	3'-0" X 7'-0" X 1 3/4"	A	RHR	HOL. METAL	---	2	LEVEL 1	1	HOL. METAL	---	6/A-401	7/A-401	8/A-401	---	1, 2
107C	3'-0" X 7'-0" X 1 3/4"	B	LHR	HOL. METAL	---	5	---	2	HOL. METAL	---	3/A-601	4/A-601	-	20 MIN.	1, 2

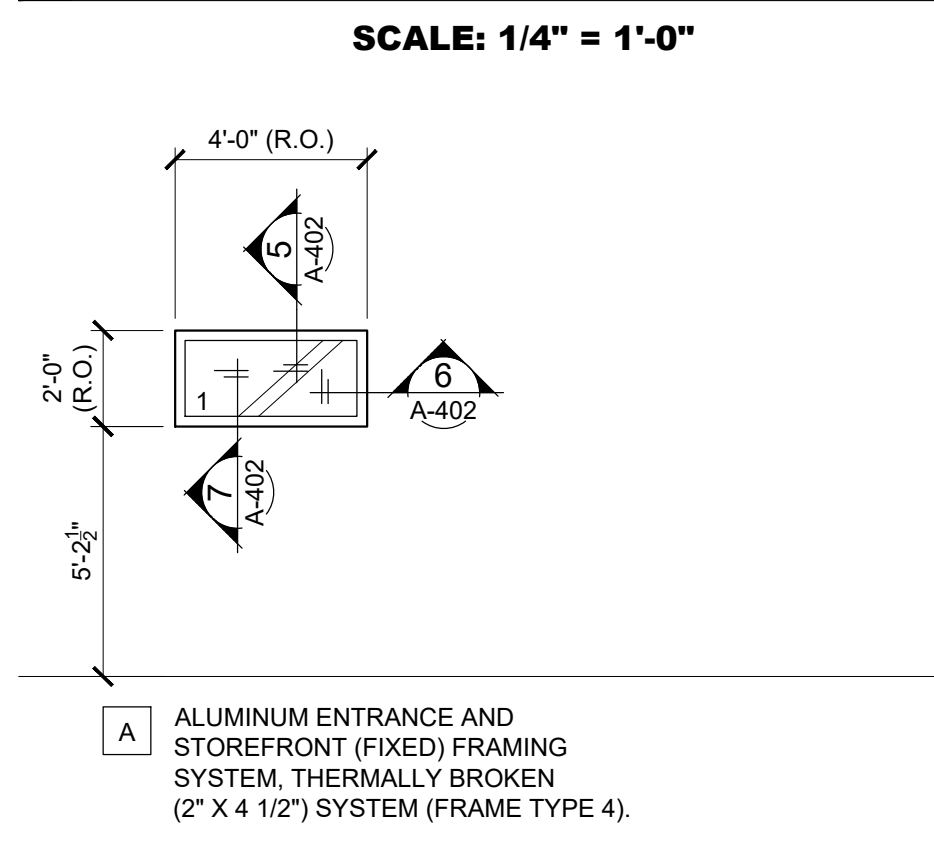
NOTES:
1. ALL DOORS SHALL BE SHOP PREPARED FOR HARDWARE.
2. REFER TO HARDWARE NOTES FOR ADDITIONAL REQUIREMENTS.
3. ALTERNATE NO. 1: BARRACKS 107 AND SHOWER 107A INTERIOR INFILL. REFER TO PROJECT MANUAL - SECTION 01 23 00 FOR DESCRIPTION OF WORK.

DOOR TYPES

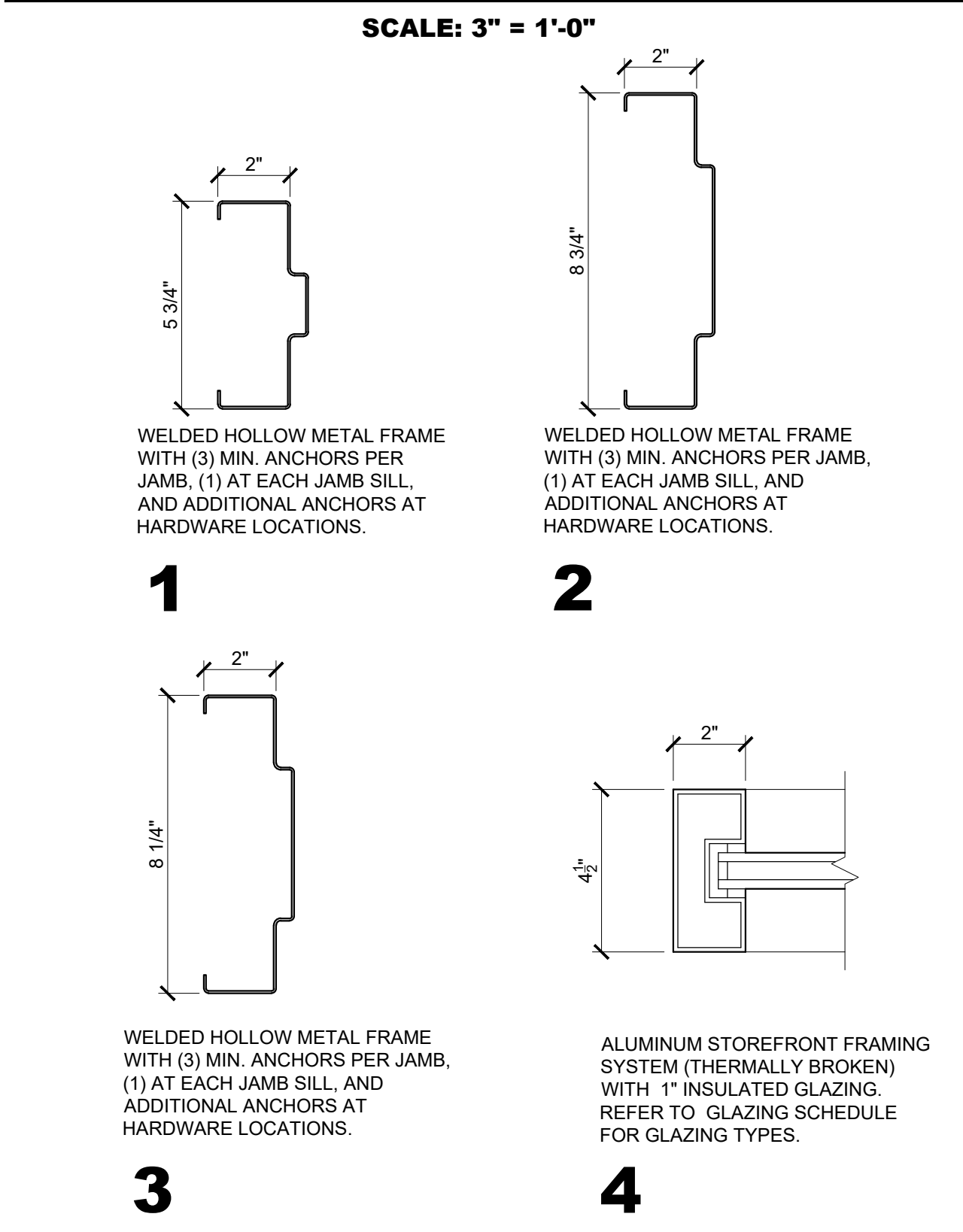


A A NOTE: DASHED IN DOOR AND DOUBLE LETTER INDICATE PAIRED DOOR LOCATIONS.

WINDOW SCHEDULE



FRAME TYPES



HARDWARE SCHEDULE

SET NO. 1 (DOOR: 101)
2 CONTINUOUS GEARED HINGES
2 EXTERIOR CYLINDERS WITH REMOVABLE CORES
2 (ANSI FUNCTION NO. 08) ENTRY LOCK AND EXIT PANIC WITH TWO POINT LOCKING SURFACE VERTICAL RODS, COVER GUARDS, DUST PROOF BOTTOM STRIKES, EXTERIOR LEVER HANDLES WITH ESCUTCHEON TRIM, THRU-BOLT MOUNTED
2 CLOSERS WITH COVER, PARALLEL ARM, HOLD OPEN WITH SPRING CUSH, ACCESSORY PLATES AND SPACERS (AS REQUIRED), THRU-BOLT MOUNTED
1 SET WEATHER SEAL PERIMETER GASKETS
1 SET WEATHER SEAL MEETING STILE GASKETS
2 WEATHER SEAL DOOR BOTTOM SWEEPS
1 THRESHOLD (ADA / ANSI COMPLIANT)
1 RAIN DRIP

SET NO. 2 (DOORS: 103B, 105B, 107B)
1 CONTINUOUS GEARED HINGE
1 EXTERIOR CYLINDER REMOVABLE CORE
1 (ANSI FUNCTION NO. 03) MORTIS ENTRY LOCK AND EXIT PANIC, EXTERIOR LEVER HANDLE WITH ESCUTCHEON TRIM, THRU-BOLT MOUNTED
1 CLOSER WITH COVER, PARALLEL ARM, HOLD OPEN WITH SPRING CUSH, THRU-BOLT MOUNTED
1 KICK PLATE (0.062T X 12\"/>

SET NO. 3 (DOOR: 104)
1 CONTINUOUS GEARED HINGE
1 EXTERIOR CYLINDER REMOVABLE CORE
1 (ANSI FUNCTION NO. F04) MORTIS ENTRY LOCK WITH LEVER HANDLES AND ESCUTCHEON TRIM
1 CLOSER WITH COVER, PARALLEL ARM, SPRING CUSH, THRU-BOLT MOUNTED
1 SET WEATHER SEAL PERIMETER GASKETS
1 WEATHER SEAL DOOR BOTTOM SWEEP
1 THRESHOLD (ADA / ANSI COMPLIANT)
1 RAIN DRIP

SET NO. 4 (DOOR: 102)
3 BALL BEARING HINGES
1 (ANSI FUNCTION NO. F86) STOREROOM LOCK WITH LEVER HANDLES
1 CLOSER WITH COVER, PARALLEL ARM, SPRING CUSH STOP, THRU-BOLT MOUNTED
1 SET SMOKE SEAL PERIMETER GASKETS
1 SMOKE SEAL DOOR BOTTOM SWEEP

SET NO. 5 (DOORS: 103A, 103C, 105A, 105C, 106B, 107A (ALTERNATE NO. 1) AND, 107C)
3 BALL BEARING HINGES
1 (ANSI FUNCTION NO. F75) PASSAGE LATCH WITH LEVER HANDLES
1 CLOSER WITH COVER, PARALLEL ARM, SPRING CUSH STOP, THRU-BOLT MOUNTED
1 KICK PLATE (0.062T X 12\"/>

SET NO. 6 (DOOR: 106A)
3 BALL BEARING HINGES
1 (ANSI FUNCTION NO. F76) PRIVACY LOCK WITH LEVER HANDLES
1 CLOSER WITH COVER, PARALLEL ARM, SPRING CUSH STOP, THRU-BOLT MOUNTED
1 KICK PLATE (0.062T X 12\"/>

GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) REFER TO BUILDING CODE SUMMARY AND STRUCTURAL DRAWINGS FOR PROJECT STRUCTURAL DESIGN CRITERIA. SUBMITTALS SHALL INCLUDE MANUFACTURER'S REQUIREMENTS FOR ANCHOR TYPES, SPACING, AND LOCATIONS REQUIRED FOR PROJECT CONDITIONS.
- (C) DIMENSIONS TO ROUGH FACE OF OPENING UNLESS OTHERWISE INDICATED. FIELD VERIFY FINAL ROUGH OPENING DIMENSIONS PRIOR TO OPENING ASSEMBLY FABRICATION.
- (D) WINDOW TYPE ELEVATIONS SHOWN VIEWED FROM EXTERIOR SIDE.
- (E) REFER TO EXTERIOR FINISH SCHEDULE AND INTERIOR FINISH PLAN FOR ADDITIONAL REQUIREMENTS.

HARDWARE NOTES

- HARDWARE NOTES:
1. ALL HARDWARE TO BE ADA AND ANSI A117.1 COMPLIANT. CLOSURE SPEEDS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. DOOR OPENING FORCE FOR PUSHING OR PULLING OPEN DOORS, OTHER THAN FIRE DOORS, SHALL BE AS FOLLOWS:
- INTERIOR HINGED DOORS: 5.0 POUNDS MAXIMUM.
2. VERIFY COMPATIBILITY OF HARDWARE SPECIFIED. NOTIFY ARCHITECT OF INCOMPATIBILITY ISSUES PRIOR TO ORDERING AND INSTALLATION.
3. ALL HARDWARE TO BE GRADE 1 (HEAVY DUTY COMMERCIAL).
4. ALL KEYPED HARDWARE TO BE COMPATIBLE WITH OWNER'S KEYING (BEST 7 PIN CORE - 1\"/>

MISSOURI NATIONAL GUARD
ATTN: JEREMY NEWTON,
ENGINEERING ARCHITECTURAL PROJECT MANAGER
(P): (573) 638-9500, EXT. 37484
(C): (573) 308-6894
(E): jeremy.l.newton.nfg@army.mil

KEYING LEGEND

- LEVEL 1:
UPGRADED SECURITY: PERIMETER ENTRANCE
- LEVEL 2:
BASIC SECURITY: OFFICE, GENERAL STORAGE
- LEVEL 3:
BASIC SECURITY: MAINTENANCE, MECHANICAL / ELECTRICAL, JANITOR

GLAZING SCHEDULE

TYPE 1:
1\"/>

EXTERIOR PANE: 1/4\"/>

PERFORMANCE REQUIREMENTS:
VISIBLE LIGHT TRANSMITTANCE (VLT): 35
VISIBLE LIGHT REFLECTANCE (EXTERIOR %): 6
VISIBLE LIGHT REFLECTANCE (INTERIOR %): 10
(NFRC) U-VALUE (WINTER NIGHTTIME): 0.29
SOLAR HEAT GAIN COEFFICIENT (SHGC): 0.25
LIGHT TO SOLAR GAIN (LSG): 1.40

ALTERNATE NO. 1:
BARRACKS 107 AND SHOWER 107A INTERIOR INFILL. REFER TO PROJECT MANUAL - SECTION 01 23 00 FOR DESCRIPTION OF WORK.



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DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY
MISSOURI ARMY
NATIONAL GUARD

CONSTRUCT NEW
60 SOLDIER BARRACKS

CAMP CLARK
TRAINING SITE
18159 SOUTH K HIGHWAY
NEVADA, MISSOURI

PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING # 446

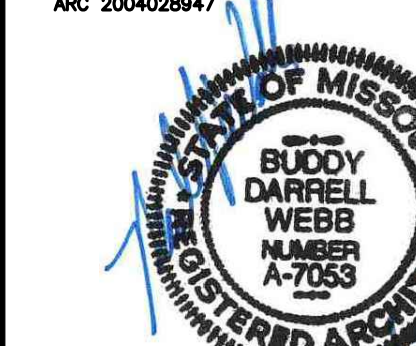
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DATE: _____
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DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-A-601
DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
DOOR AND WINDOW SCHEDULES (ALTERNATE NO. 1)

SHEET NUMBER:

A-601



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DATE: _____
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DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-A-701
DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
**REFLECTED
CEILING PLAN
(ALTERNATE NO. 1)**

SHEET NUMBER:

A-701

24 OF 34 SHEETS
06/03/2026

GENERAL NOTES

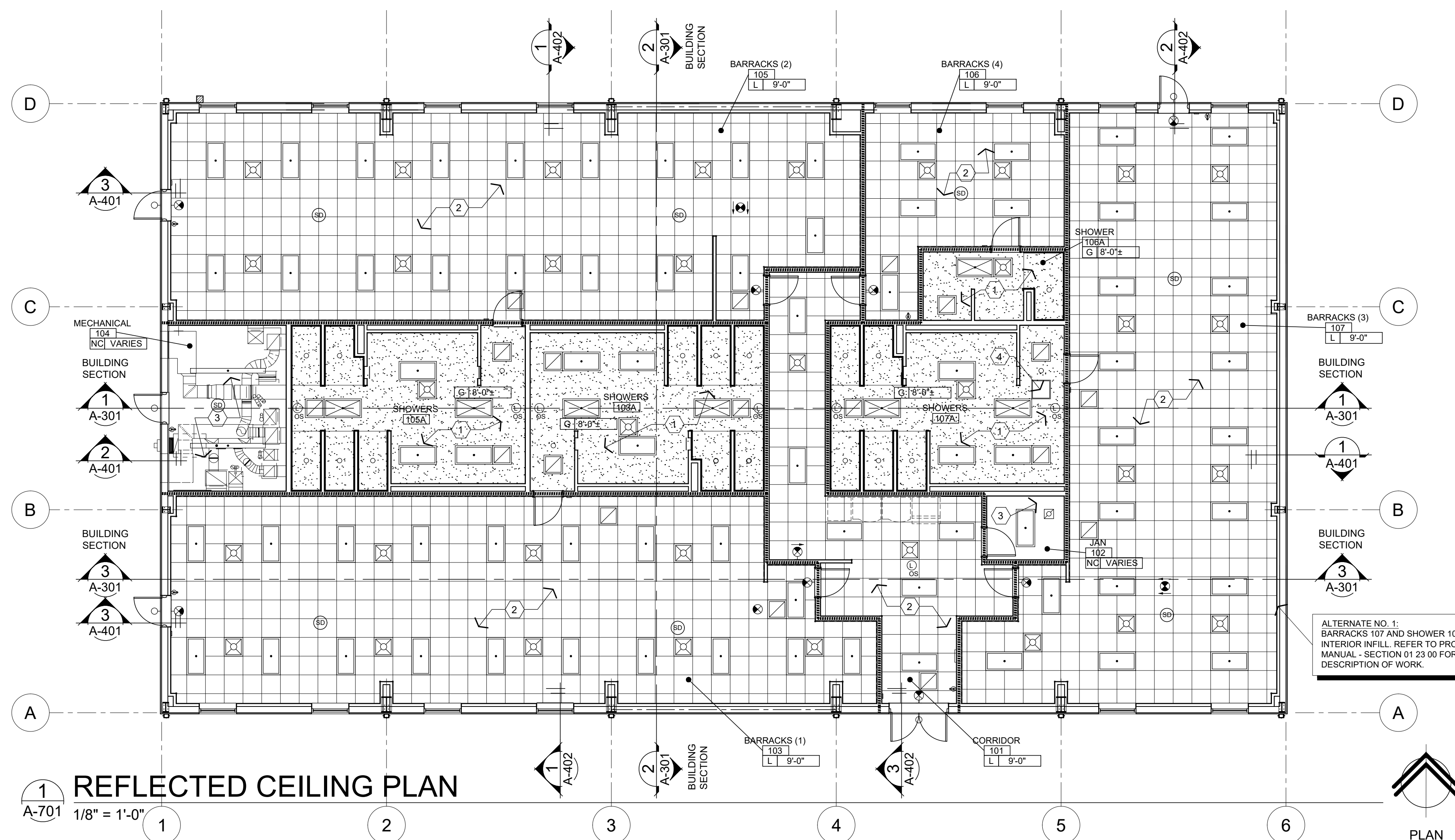
- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) REFER TO INTERIOR WALL AND CEILING GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
- (C) MECHANICAL REGISTERS ARE SHOWN ON THIS DRAWING FOR THE ARCHITECTURAL LOCATIONS ONLY. REFER TO THE MECHANICAL DRAWINGS FOR TYPES, SIZES, DISTRIBUTION, CONNECTIONS, AND ALL OTHER REQUIREMENTS.
- (D) LIGHTING FIXTURES ARE SHOWN ON THIS DRAWING FOR THE ARCHITECTURAL LOCATIONS, QUANTITIES, AND GENERAL FIXTURE TYPE ONLY. SEE THE ELECTRICAL DRAWINGS FOR EXACT FIXTURE TYPE AND CIRCUITING.
- (E) CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE VARIOUS TRADE ITEMS WITHIN THE SPACE ABOVE ALL CEILINGS (INCLUDING, BUT NOT LIMITED TO: STRUCTURAL MEMBERS, MECHANICAL DUCTS AND INSULATION, CONDUITS, RACEWAYS, SPRINKLER SYSTEM, LIGHT FIXTURES, CEILING SYSTEMS, AND ANY SPECIAL STRUCTURAL SUPPORTS REQUIRED) AND SHALL BE RESPONSIBLE FOR MAINTAINING THE FINISH CEILING HEIGHT ABOVE THE FINISH FLOOR INDICATED ON THE DRAWING.
- (F) CONTRACTOR TO SUBMIT FIRE SUPPRESSION HEAD LOCATIONS SHOWING COORDINATION WITH REFLECTED CEILING MECHANICAL AND ELECTRICAL SYSTEMS. CENTER HEADS IN TILES.
- (G) REFER TO INTERIOR FINISH PLAN FOR CEILING FINISHES.
- (H) PROVIDE SUSPENDED ACOUSTICAL CEILING TILE HOLD DOWN CLIPS AT AREAS SUBJECT TO UPLIFT. EXTEND 8'-0" MINIMUM INTO INTERIOR AT EXTERIOR DOOR LOCATIONS.
- (I) INDICATED CEILING ELEVATIONS TO BOTTOM OF FRAMING AT GYPSUM BOARD CONSTRUCTION AND BOTTOM OF SUSPENDED ACOUSTICAL CEILING GRID CONSTRUCTION, UNLESS OTHERWISE NOTED.
- (J) PROVIDE SUSPENDED CEILING SEISMIC BRACING, REFER TO DETAILS 2/A-701 AND 3/A-701.
- (K) COORDINATE ATTACHMENT REQUIREMENTS TO PRE-ENGINEERED METAL BUILDING STRUCTURE WITH MANUFACTURER.
- (L) EXPOSED MECHANICAL, ELECTRICAL AND FIRE SUPPRESSION SYSTEMS TO BE INSTALLED IN NEAT AND ORDERLY LAYOUT. PROVIDE FRAMING, SUPPORTS AND ATTACHMENTS AS REQUIRED FOR COMPLETE INSTALLATION.

KEY NOTES

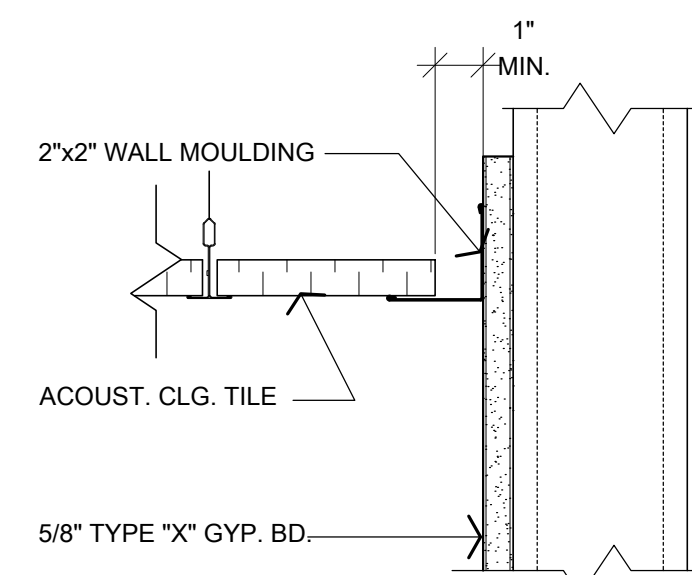
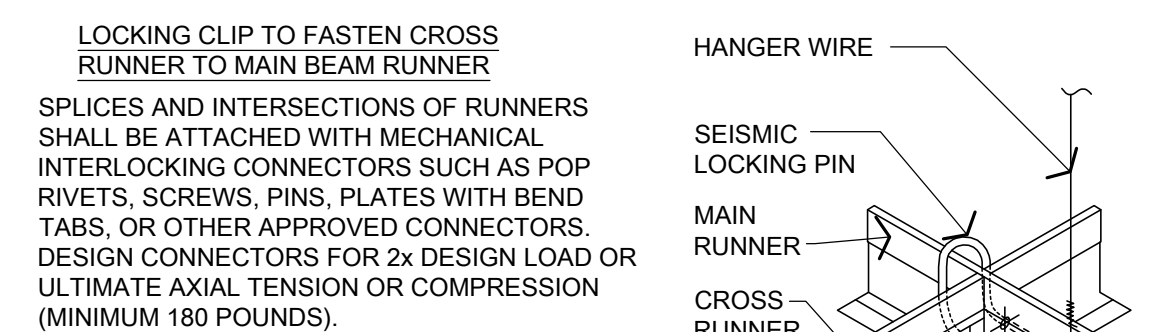
- (1) 5/8" GYPSUM BOARD ON COLD-FORM METAL JOIST FRAMING. REFER TO STRUCTURAL DRAWINGS AND INTERIOR FINISH PLAN FOR ADDITIONAL REQUIREMENTS.
- (2) SUSPENDED ACOUSTICAL CEILING SYSTEM, REFER TO INTERIOR FINISH PLANS FOR FINISHES.
- (3) EXPOSED UNFINISHED STRUCTURE, MECHANICAL AND ELECTRICAL SYSTEMS.
- (4) PLUMBING VALVE ACCESS PANEL, COORDINATE EXACT LOCATION WITH BALANCING VALVES, REFER TO SHEET P-401.

SYMBOLS LEGEND

- LIGHT FIXTURE
- EMERGENCY LIGHT FIXTURE
- LIGHT FIXTURE
- SUPPLY GRILLE
- RETURN GRILLE
- PLUMBING VALVE ACCESS DOOR
- CEILING TYPE:
NC=EXPOSED PRECAST STRUCTURE,
G=GYP. BD.,
L=LAY-IN ACOUST. TILE,
P=PREFIN. METAL.
- CEILING ELEVATION (ABOVE FINISH FLOOR)
- EXIT LIGHT. SHADED SIDE INDICATES FACE OF EXIT SIGN. ARROW INDICATES TRAVEL DIRECTION(S).
- GYPSUM BOARD CEILING CONSTRUCTION
- WALLS THAT EXTEND TO ROOF DECK, REFER TO CODE ANALYSIS PLAN FOR ADDITIONAL REQUIREMENTS.
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED SMOKE DETECTOR SENSOR

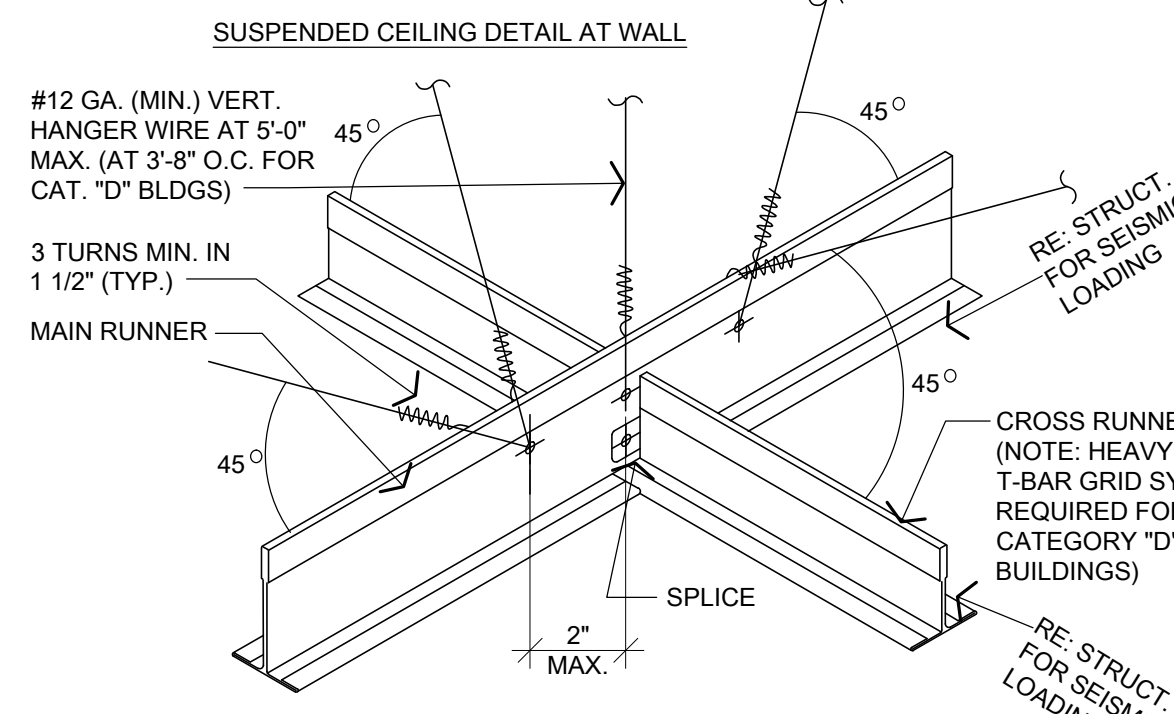
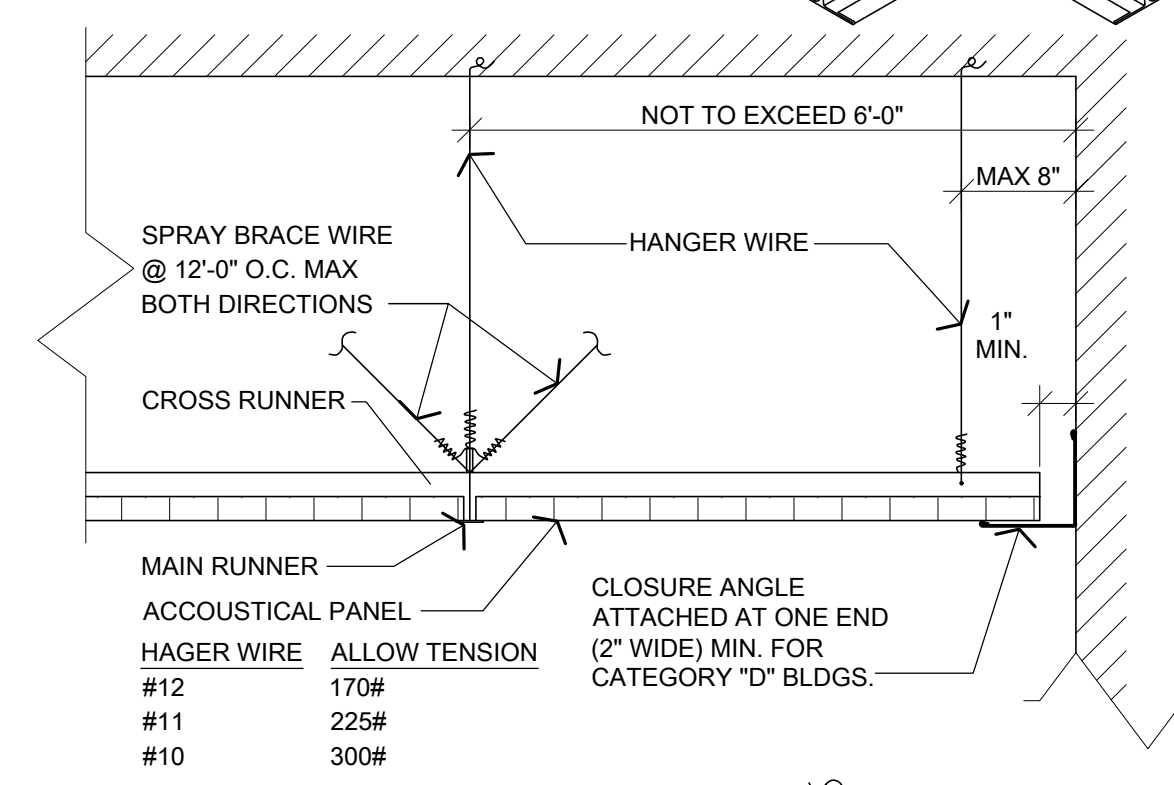


ALTERNATE NO. 1:
BARRACKS 107 AND SHOWER 107A
INTERIOR INFILL. REFER TO PROJECT
MANUAL - SECTION 01 23 00 FOR
DESCRIPTION OF WORK.

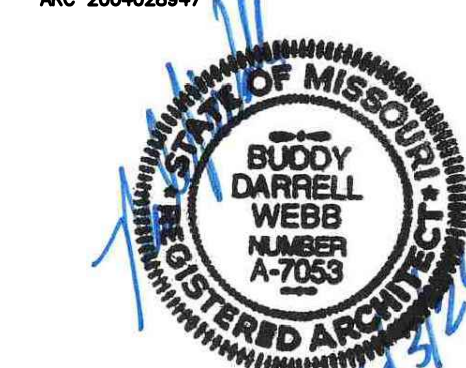


SPECIAL NOTE:
REFER TO SHEET G-101 FOR PROJECT SEISMIC DESIGN CATEGORY TO DETERMINE INSTALLATION REQUIREMENTS.

3 SUSP. CLG. PERM. DETAIL
A-701 3" = 1'-0"



2 SUSP. CLG. SEISMIC DETAIL
A-701 NOT TO SCALE



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CAD DWG FILE: T2612-01-6274-8136274080-I-101
DRAWN BY: BW-AP
CHECKED BY: BDW
DESIGNED BY: BW-AP

SHEET TITLE:
INTERIOR FINISH
PLAN (ALTERNATE
NO. 1 & 3)

SHEET NUMBER:

I-101

25 OF 34 SHEETS
06/03/2026

INTERIOR FINISH TYPES

- F1** TYPE: EXPOSED CONCRETE WITH LIQUID DENSIFIER TREATMENT (REFER PROJECT MANUAL) COLOR: CLEAR
- AF2** BASE BID: PROVIDE FLOOR FINISH TYPE "F1". ALTERNATE NO. 3: TYPE: RESINOUS FLOORING (SEAMLESS) "DUR-A-FLEX" - DUR-A-CHIP (BASIS FOR DESIGN) COLOR: COBBLESTONE (GRAY WITH BLACK, GRAY, BEIGE AND WHITE FLAKES) FINISH: MACRO / COURSE (NON-SLIP)
- B1** TYPE: RESILIENT BASE MFG: JOHNSONITE OR EQUAL (BASIS FOR DESIGN) COLOR: 40 BLACK SIZE: 6" (TYPE TS)
- B2** TYPE: TILE BASE MFG: DAL-TILE OR EQUAL (BASIS FOR DESIGN) SERIES: COLOR WHEEL COLLECTION - CLASSIC COLOR: MATTE DESERT GRAY X714 (OR EQUAL) SIZE: 6" X 6" SANITARY COVE WITH BULLNOSE TOP OR FLAT TOP, REFER TO DETAILS 4/A-501 & 3/I-101. NOTE: PROVIDE SPECIAL SHAPES FOR INSIDE CORNER, OUTSIDE CORNER, AND FINISH TYPE TRANSITIONS. (OMIT AT ALTERNATE NO. 3 LOCATIONS)
- BASE BID: PROVIDE BASE FINISH TYPE "B2". ALTERNATE NO. 3: TYPE: RESINOUS FLOORING (SEAMLESS) "DUR-A-FLEX" - DUR-A-CHIP (BASIS FOR DESIGN) COLOR: COBBLESTONE (GRAY WITH BLACK, GRAY, BEIGE AND WHITE FLAKES) FINISH: MACRO / COURSE (NON-SLIP) EXTEND UP WALL INTEGRAL WITH FLOORING 6", REFER TO DETAIL 7/I-101.
- AB3** TYPE: RESINOUS FLOORING (SEAMLESS) "DUR-A-FLEX" - DUR-A-CHIP (BASIS FOR DESIGN) COLOR: COBBLESTONE (GRAY WITH BLACK, GRAY, BEIGE AND WHITE FLAKES) FINISH: MACRO / COURSE (NON-SLIP) EXTEND UP WALL INTEGRAL WITH FLOORING 6", REFER TO DETAIL 7/I-101.
- W1** TYPE: GYPSUM BOARD FINISH: PAINT (FIELD) MFG: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN) COLOR: SW 7029 (AGREEABLE GRAY) SHEEN: SEMI-GLOSS
- W2** TYPE: GYPSUM BOARD FINISH: PAINT (FIELD) MFG: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN) COLOR: SW 7029 (AGREEABLE GRAY) (MOLD AND MILDEW RESISTANT) SHEEN: SEMI-GLOSS
- W3** TYPE: GYPSUM BOARD FINISH: PAINT (ACCENT) MFG: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN) COLOR: SW 6425 (RELENTLESS OLIVE) SHEEN: SEMI-GLOSS
- W4** TYPE: GLAZED CERAMIC TILE DAL-TILE OR EQUAL (BASIS FOR DESIGN) COLOR: COLOR WHEEL COLLECTION - CLASSIC SIZE: 6" X 6" COLOR: MATTE ARCTIC WHITE 6765 (OR EQUAL) PATTERN: STACKED MFG: MAPEI (BASIS FOR DESIGN) GROUT: KERAPoxy CO (BASIS FOR DESIGN) COLOR: 5038 AVALANCHE (OR EQUAL) NOTE: PROVIDE SPECIAL SHAPES FOR INSIDE CORNERS, OUTSIDE CORNERS, AND EDGE FINISH TRANSITIONS.
- W5** TYPE: PRE-ENGINEERED METAL BUILDING LINER PANEL MFG: CHIEF BUILDINGS OR EQUAL (BASIS FOR DESIGN) STYLE: CHIEF CS/AP PANEL WALL SYSTEM COLOR: FROST WHITE (FW)
- C1** TYPE: SUSPENDED ACOUSTICAL CEILING MFG: ARMSTRONG OR EQUAL (BASIS FOR DESIGN) STYLE: DUNE ITEM NO.: 1774 SIZE: 24"X24"X5/8" EDGE: ANGLED TEGULAR COLOR: WHITE GRID: ALUMINUM 15/16" EXPOSED TEE COLOR: WHITE
- C2** TYPE: GYPSUM BOARD TEXTURE: LEVEL 5 SMOOTH DRYWALL SURFACE FINISH: PAINT MFG: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN) COLOR: SW 7029 (AGREEABLE GRAY) (MOLD AND MILDEW RESISTANT) SHEEN: SEMI-GLOSS
- C3** TYPE: EXPOSED STRUCTURE FINISH: UNFINISHED
- DOORS AND FRAMES**
D1 TYPE: INTERIOR SURFACES HOLLOW METAL DOORS & FRAMES FINISH: PAINT MFG: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN) COLOR: SW 6991 (BLACK MAGIC) SHEEN: SEMI-GLOSS
- D2** TYPE: EXTERIOR SURFACES DOORS & FRAMES MFG: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN) COLOR: GLOSS SHEEN: GLOSS
- SS1** TYPE: SOLID SURFACE FABRICATIONS MFG: WILSONART OR EQUAL (BASIS FOR DESIGN) COLOR: NIGHT STARS "9105CS" LAVATORY: WILSONART "AV1812" (DESIGNER WHITE) OR EQUAL (BASIS FOR DESIGN)
- SPECIALTIES**
SP1 TYPE: TOILET COMPARTMENTS MFG: ASI - ACCURATE PARTITIONS OR EQUAL (BASIS FOR DESIGN) COLOR: GRAPHITE NEBULA (BLACK CORE)
- SP2** TYPE: METAL SUPPORT BRACKETS AT LAVATORY LOCATIONS FINISH: PAINT MFG: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN) COLOR: SW 6991 (BLACK MAGIC) (MATCH "D1") SHEEN: SEMI-GLOSS

GENERAL NOTES

- A** REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- B** FINAL COLORS AND TEXTURES TO BE SELECTED BY OWNER FROM MANUFACTURER'S SPECIFIED SAMPLES.
- C** PROVIDE FLOORING TRANSITIONS, REDUCERS AND EDGING AS REQUIRED FOR SPECIFIC CONDITIONS.
- D** REFER TO EXTERIOR FINISH SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- E** REFER TO ELEVATIONS, SECTIONS, AND DETAILS FOR ADDITIONAL REQUIREMENTS.
- F** REFER TO REFLECTED CEILING PLAN FOR ADDITIONAL REQUIREMENTS.
- G** GYPSUM BOARD FINISH TEXTURE TO BE SMOOTH FINISH ON "LEVEL 5" SURFACE. FINAL TEXTURES TO BE SELECTED BY OWNER FROM SPECIFIED SAMPLES.
- H** ALL GYPSUM BOARD EXPOSED WALLS TO BE FINISH TYPE "W1" UNLESS OTHERWISE INDICATED.
- I** ALL GYPSUM BOARD EXPOSED WALLS TO BE PROVIDED WITH BASE FINISH TYPE "B1" UNLESS OTHERWISE INDICATED.
- J** ALL SHOWER ENCLOSURE WALLS TO BE FINISH TYPE "W4" UNLESS OTHERWISE INDICATED.
- K** ALL INTERIOR STEEL DOORS AND FRAMES TO BE FINISH TYPE "D1" UNLESS OTHERWISE INDICATED. ALL EXTERIOR STEEL DOORS AND FRAMES TO BE FINISH TYPE "D1" ON INTERIOR SIDE AND FINISH TYPE "D2" ON EXTERIOR SIDE OF DOOR.
- L** ALL TOILET COMPARTMENTS TO BE FINISH TYPE "SP1".
- M** ALL MILLWORK AND WINDOW SILL SOLID SURFACE FABRICATIONS TO BE FINISH TYPE "SS1", UNLESS OTHERWISE INDICATED.
- N** PROVIDE SEALANT AT ALL EXPOSED CONCRETE FLOOR JOINTS. COLOR TO MATCH NATURAL CONCRETE GRAY.
- O** ALL ELECTRICAL DEVICES TO BE BLACK FINISH AND COVER PLATES TO BE STAINLESS STEEL FINISH, UNLESS OTHERWISE INDICATED.
- P** ALL WINDOW OPENINGS TO BE PROVIDED WITH WINDOW BLINDS. COLOR TO MATCH WINDOW FRAME.
- Q** ALL METAL SUPPORT BRACKETS FOR MILLWORK TO BE PAINTED "SP2", UNLESS OTHERWISE INDICATED.

KEY NOTES

- 1** RESIN FLOORING TO CONCRETE FLOOR FINISH TRANSITION, REFER TO DETAIL 8/I-101 (ALTERNATE NO. 3).
- 2** CONCRETE FLOOR JOINTS, REFER TO STRUCTURAL. PROVIDE SEALANT AT ALL EXPOSED LOCATIONS.
- 3** CORNER GUARD, REFER TO DETAIL 5/I-101.
- 4** WALL END CORNER GUARD, REFER TO DETAIL 6/I-101.
- 5** DRINKING FOUNTAIN STAINLESS STEEL (24 GA. WITH US32D FINISH) WALL COVERING WITH EXPOSED EDGES BEVELED, REFER TO INTERIOR ELEVATIONS.
- 6** TILE TO PAINT WALL FINISH TRANSITION.

SIGNAGE GENERAL NOTES

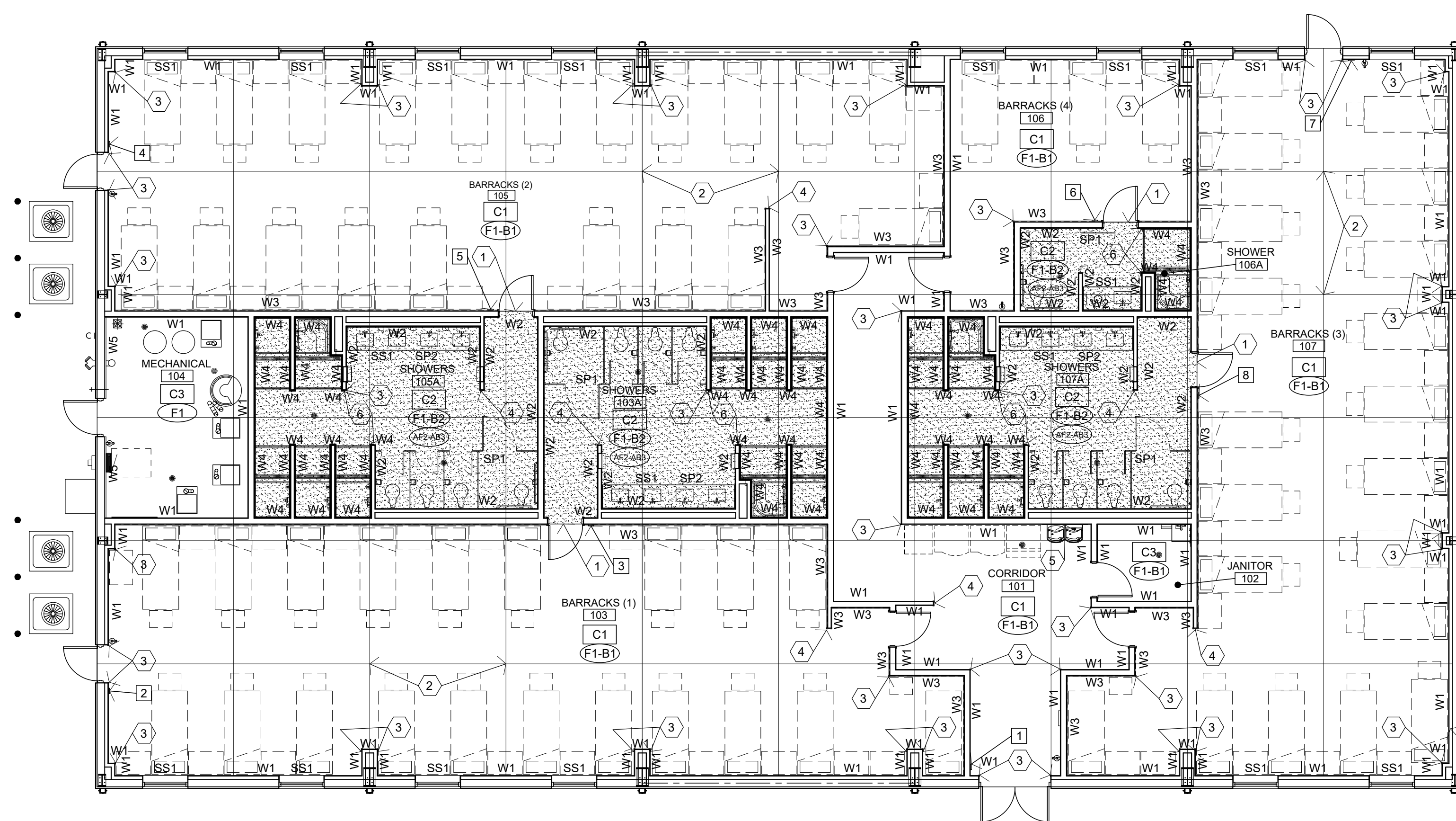
- A.** CONFIRM ALL ROOM SIGNAGE COPY WITH OWNER.
- B.** FOR TYPICAL SIGN MOUNTING HEIGHT REFER TO DETAIL 4/I-101.
- C.** SIGN DIMENSIONS SHOWN REFLECT FACE PLATE ONLY.
- D.** THE MOUNTING LOCATION OF INTERIOR SIGNS SHOULD BE ARRANGED SO THAT A PERSON CAN APPROACH WITHIN 3' OF SIGN WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR A DOOR SWING.
- E.** SIGNAGE COLORS TO BE WHITE TEXT AND SYMBOLS ON BLUE (NO. 15090 IN FEDERAL STANDARD 595B) BACKGROUND. COPY AND GRAPHICS TO BE A CONTRASTING COLOR. ARCHITECT TO SELECT FINAL COLORS FROM MANUFACTURER'S FULL RANGE OF COLORS.
- F.** SIGN MATERIAL TO LAMINATED-SHEET, SANDBLASTED POLYMER FACE SHEET WITH RAISED GRAPHICS LAMINATED TO ACRYLIC OR PHENOLIC BACKING TO PRODUCE COMPOSITE SHEET. COMPOSITE SHEET THICKNESS TO BE 1/4". SURFACE FINISH AND APPLIED GRAPHICS TO BE MANUFACTURER'S STANDARD FACTORY APPLIED EXTERIOR GRADE SIGN PAINT.

SIGNAGE SCHEDULE

SIGN NO.	ROOM NO.	SIGN TYPE	SIGN COPY	PICTOGRAMS TYPE(S)
1	101	2/I-101	EXIT	A
2	103	2/I-101	EXIT	A
3	103	2/I-101	MEN	A & B
4	105	2/I-101	EXIT	A
5	105	2/I-101	MEN	A & B
6	106	2/I-101	WOMEN	A & C
7	107	2/I-101	EXIT	A
8	107	2/I-101	MEN	A & B

SYMBOLS LEGEND

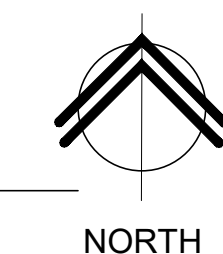
- (F-X-B)** FLOOR OR BASE FINISH TYPE
- CX** CEILING FINISH TYPE
- WX** WALL FINISH TYPE(S) AND TRIM TYPE(S)
- [Pattern]** FLOOR FINISH PATTERN
- X** SIGN TYPE NUMBER, REFER SIGN SCHEDULE



ALTERNATE NO. 1:
BARRACKS 107 AND SHOWER 107A
INTERIOR INFILL. REFER TO PROJECT
MANUAL - SECTION 01 23 00 FOR
DESCRIPTION OF WORK.

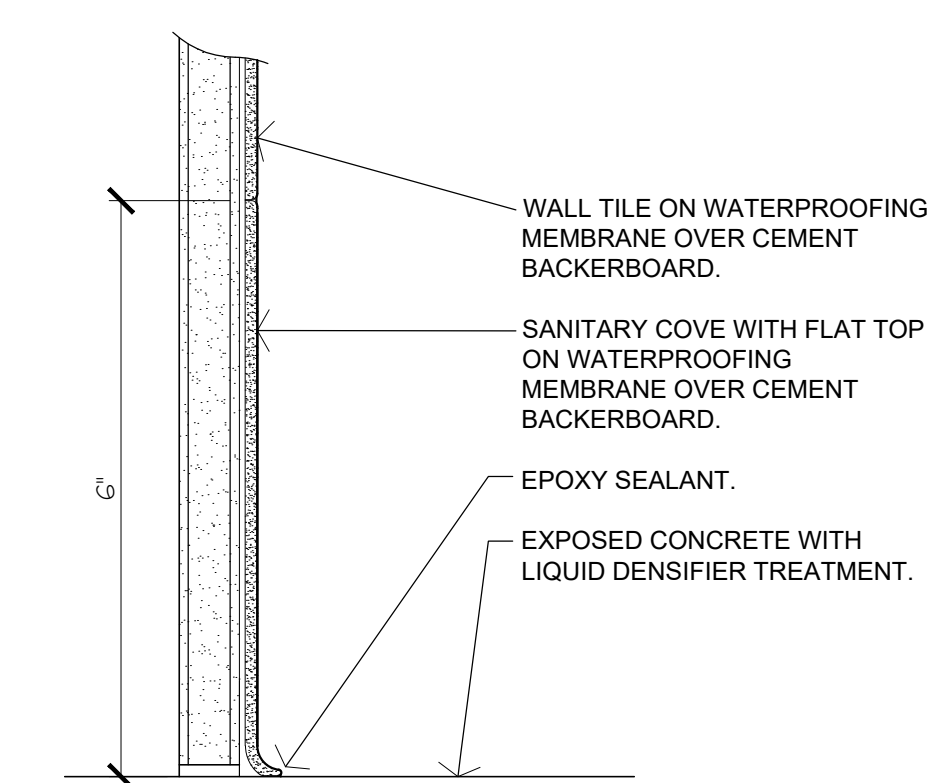
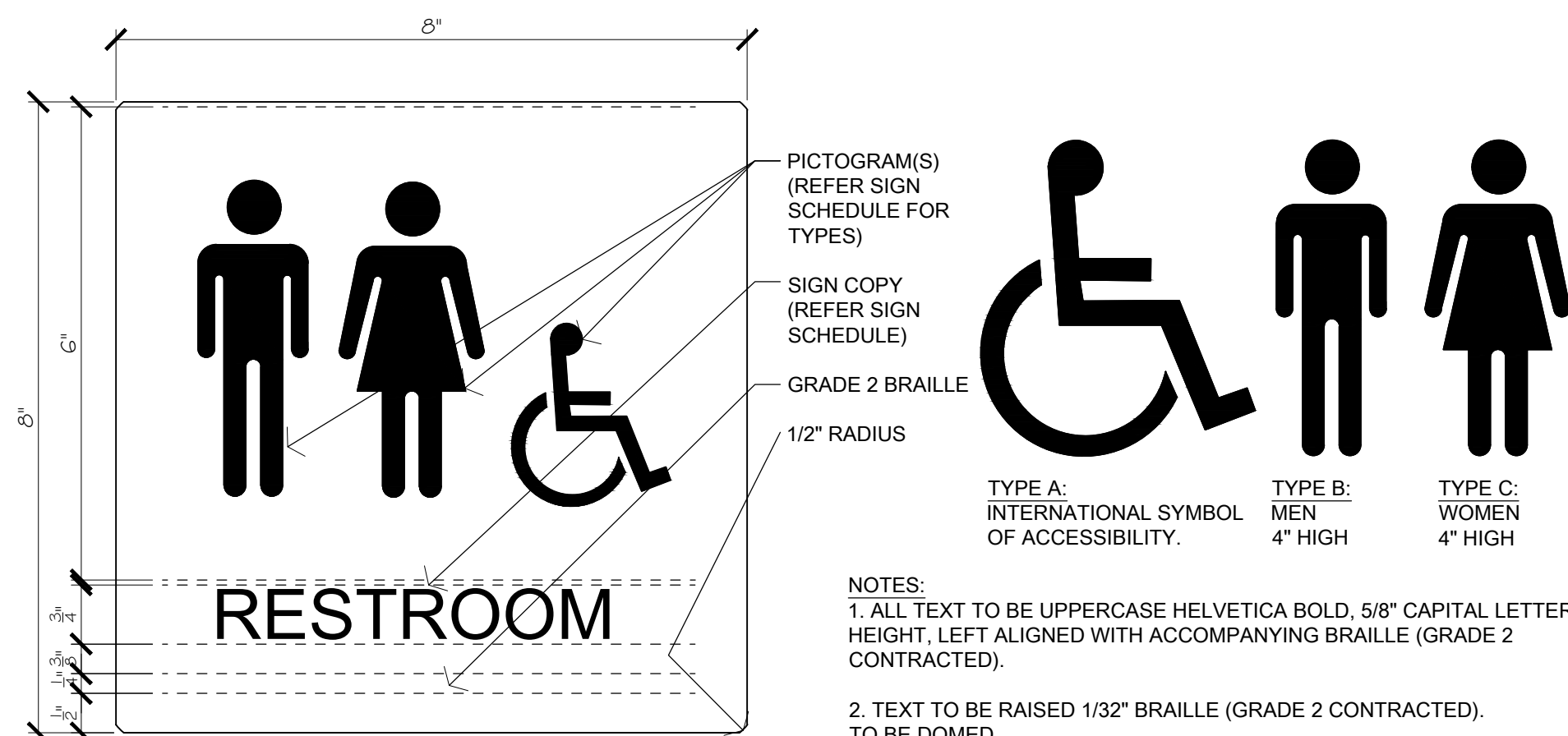
ALTERNATE NO. 1:
BARRACKS 107 AND SHOWER 107A INTERIOR
INFILL. REFER TO PROJECT MANUAL - SECTION
01 23 00 FOR DESCRIPTION OF WORK.

ALTERNATE NO. 3:
RESINOUS FLOORING AND BASE.



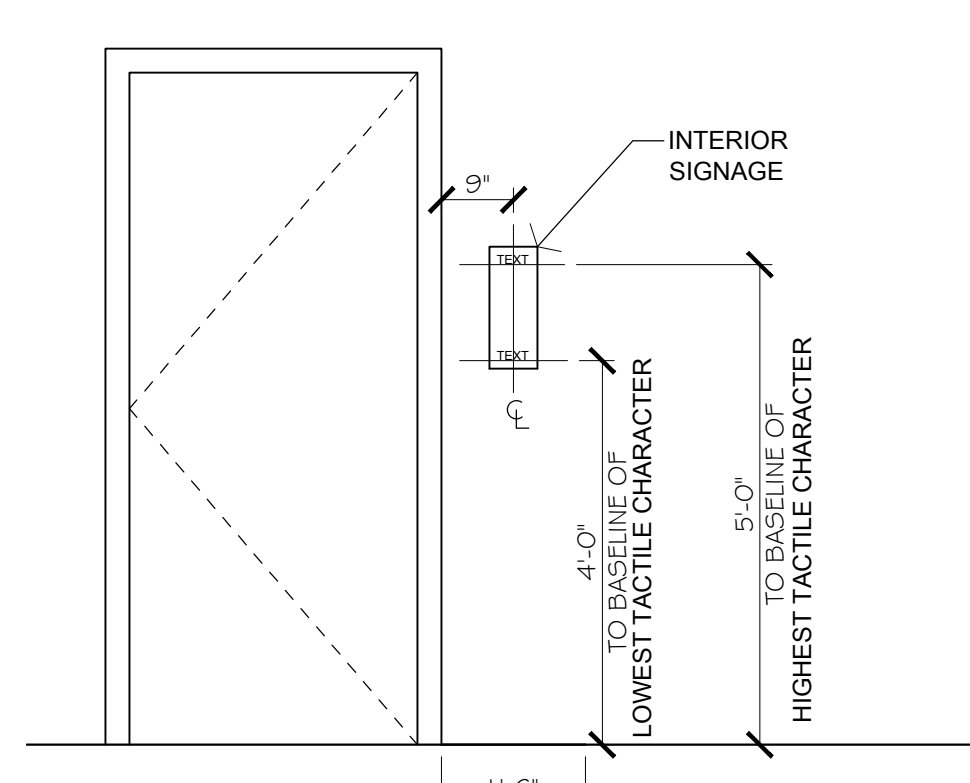
1 INTERIOR FINISH PLAN

1-101 1/8" = 1'-0"



3 COVE BASE DETAIL

1-101 6" = 1'-0"

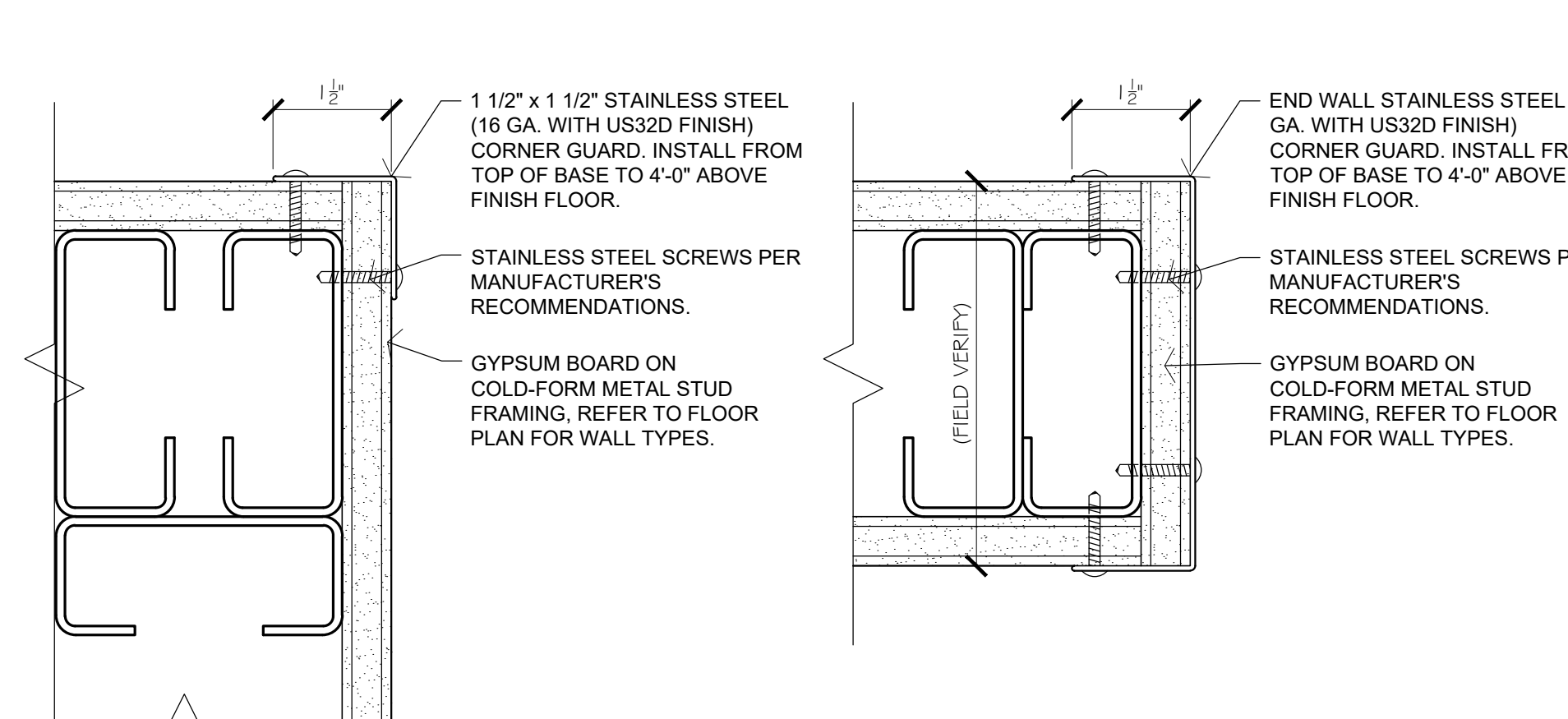


4 TYP. SIGN MOUNTING

1-101 1/2" = 1'-0"

2 PICTOGRAM SIGNS

1-101 6" = 1'-0"



5 CORNER GUARD

1-101 6" = 1'-0"

6 CORNER GUARD

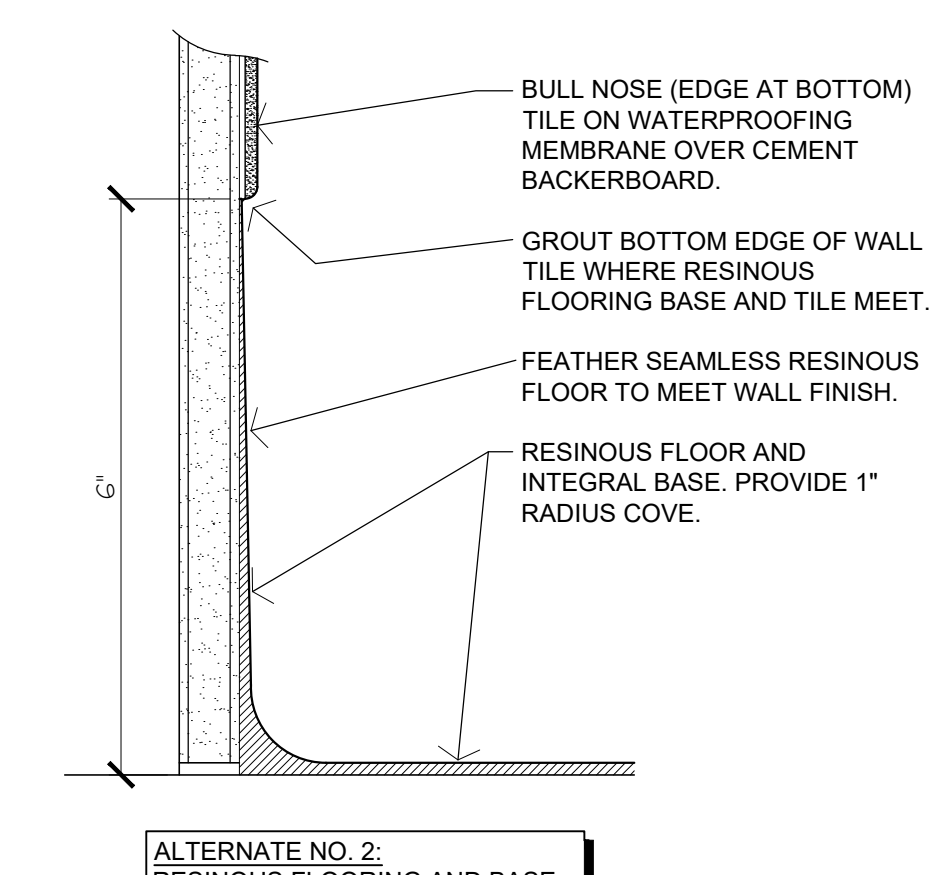
1-101 6" = 1'-0"

7 COVE BASE DETAIL

1-101 6" = 1'-0"

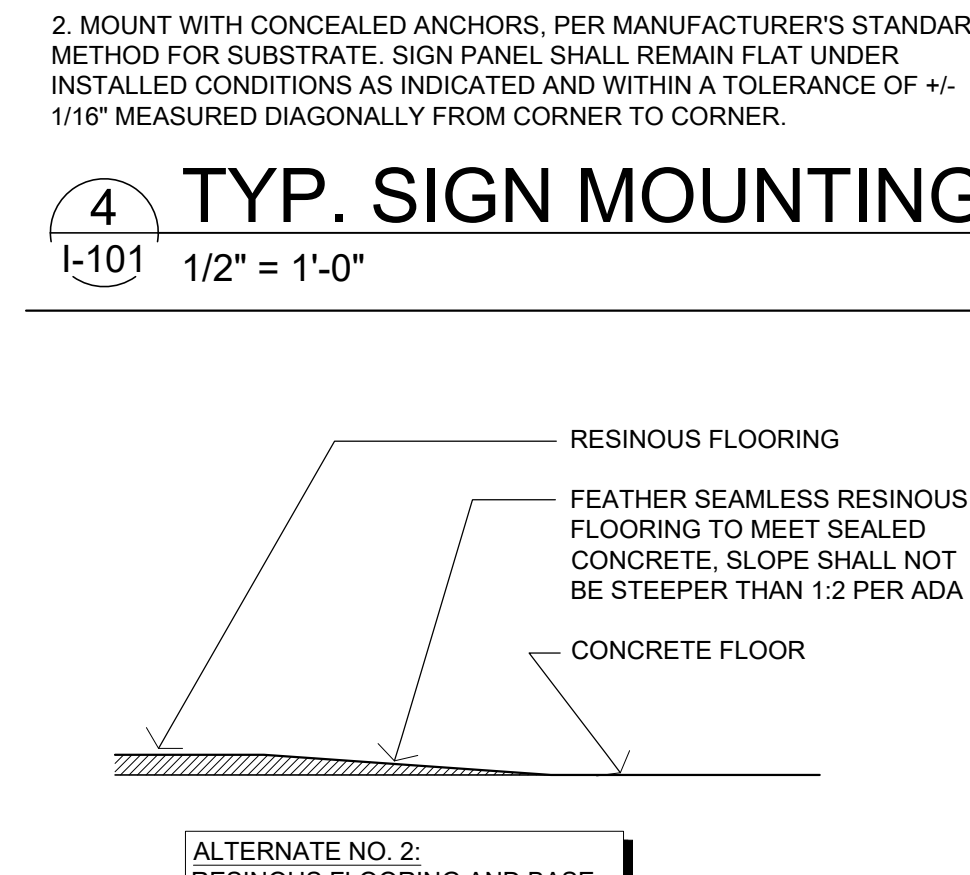
8 FLOOR TRANSITION

1-101 6" = 1'-0"

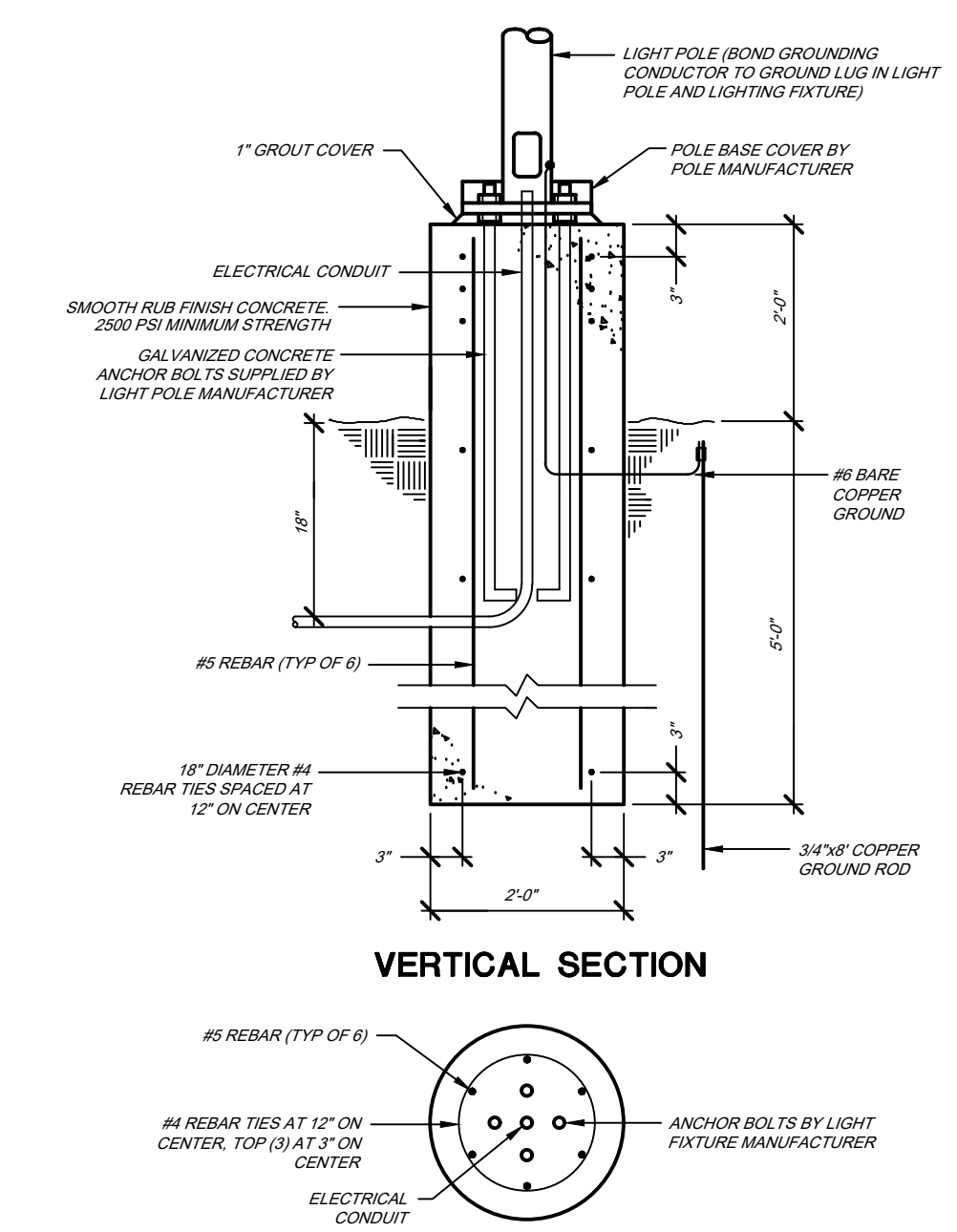


4 TYP. SIGN MOUNTING

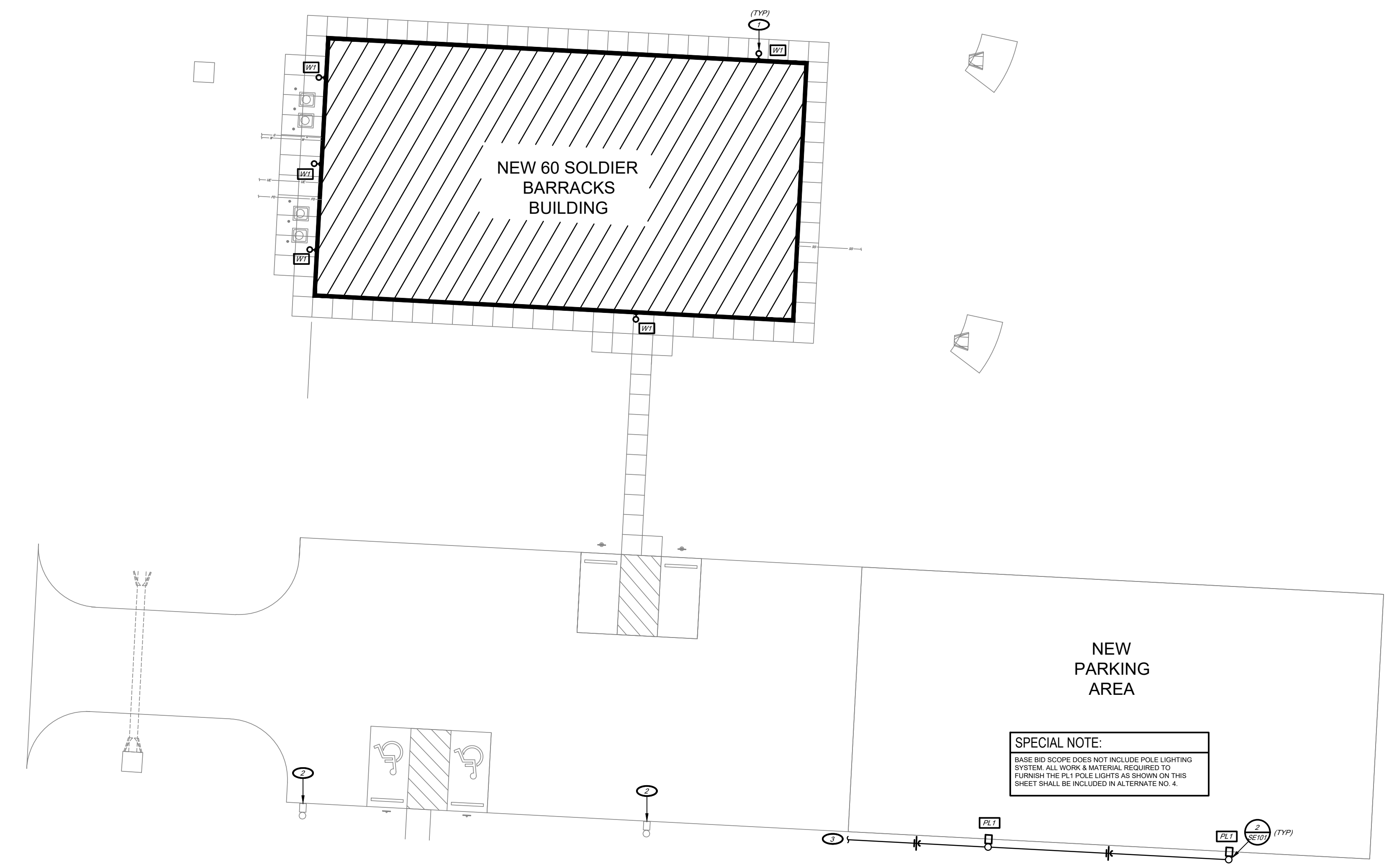
1-101 1/2" = 1'-0"



- KEYNOTES:**
- 1 WALL PACKS SHALL BE MOUNTED AT APPROXIMATELY 5'-0". REFER TO LIGHTING PLAN FOR CIRCUITRY.
 - 2 EXISTING POLE LIGHT POWERED FROM ADJACENT BUILDING SHALL REMAIN. MAINTAIN EXISTING CIRCUITRY AND CONTROLS.
 - 3 NEW POLE LIGHTS TO POWERED AND CONTROLLED WITH EXISTING POLE LIGHTS. INTERCEPT EXISTING CONDUIT AND CONDUCTORS AND EXTEND/MODIFY AS REQUIRED. FIELD COORDINATE EXISTING CONDUIT ROUTING AND CONNECTION REQUIREMENTS.

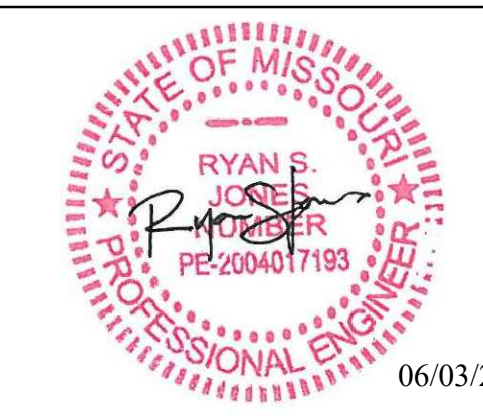


2 LIGHT POLE CONCRETE BASE
NO SCALE



1 SITE LIGHTING PLAN
1" = 20'-0"
NORTH

SPECIAL NOTE:
BASE BID SCOPE DOES NOT INCLUDE POLE LIGHTING SYSTEM. ALL WORK & MATERIALS REQUIRED TO FURNISH THE PL 1 POLE LIGHTS AS SHOWN ON THIS SHEET SHALL BE INCLUDED IN ALTERNATE NO. 4.



RYAN S. JONES - ENGINEER
PE-2004017193
PROFESSIONAL SEAL

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DEPARTMENT OF
PUBLIC SAFETY
MISSOURI ARMY
NATIONAL GUARD

CONSTRUCT NEW
60 SOLDIER BARRACKS

CAMP CLARK
TRAINING SITE
18159 SOUTH K HIGHWAY
NEVADA, MISSOURI

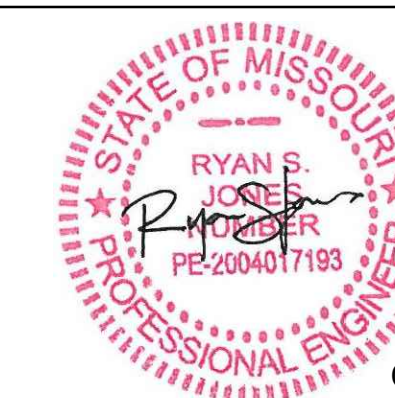
PROJECT # T2612-01
SITE # 6274
ASSET # 8136274080
BUILDING # 446

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-SE-101
DRAWN BY: JDF
CHECKED BY: RSJ
DESIGNED BY: TJG

SHEET TITLE:
**SITE LIGHTING
PLAN
(ALTERNATE NO. 4)**

SHEET NUMBER:
SE-101
26 OF 34 SHEETS
06/03/2026



06/03/2026

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ISSUE DATE: 06/03/2026

CAD DWG FILE: T2612-01-6274-8136274080-P-101
DRAWN BY: JDF
CHECKED BY: RSJ
DESIGNED BY: TJG

SHEET TITLE:
UNDERFLOOR
PLUMBING PLAN
(ALTERNATE NO.1)

SHEET NUMBER:

P-101

27 OF 34 SHEETS
06/03/2026

KEYNOTES:

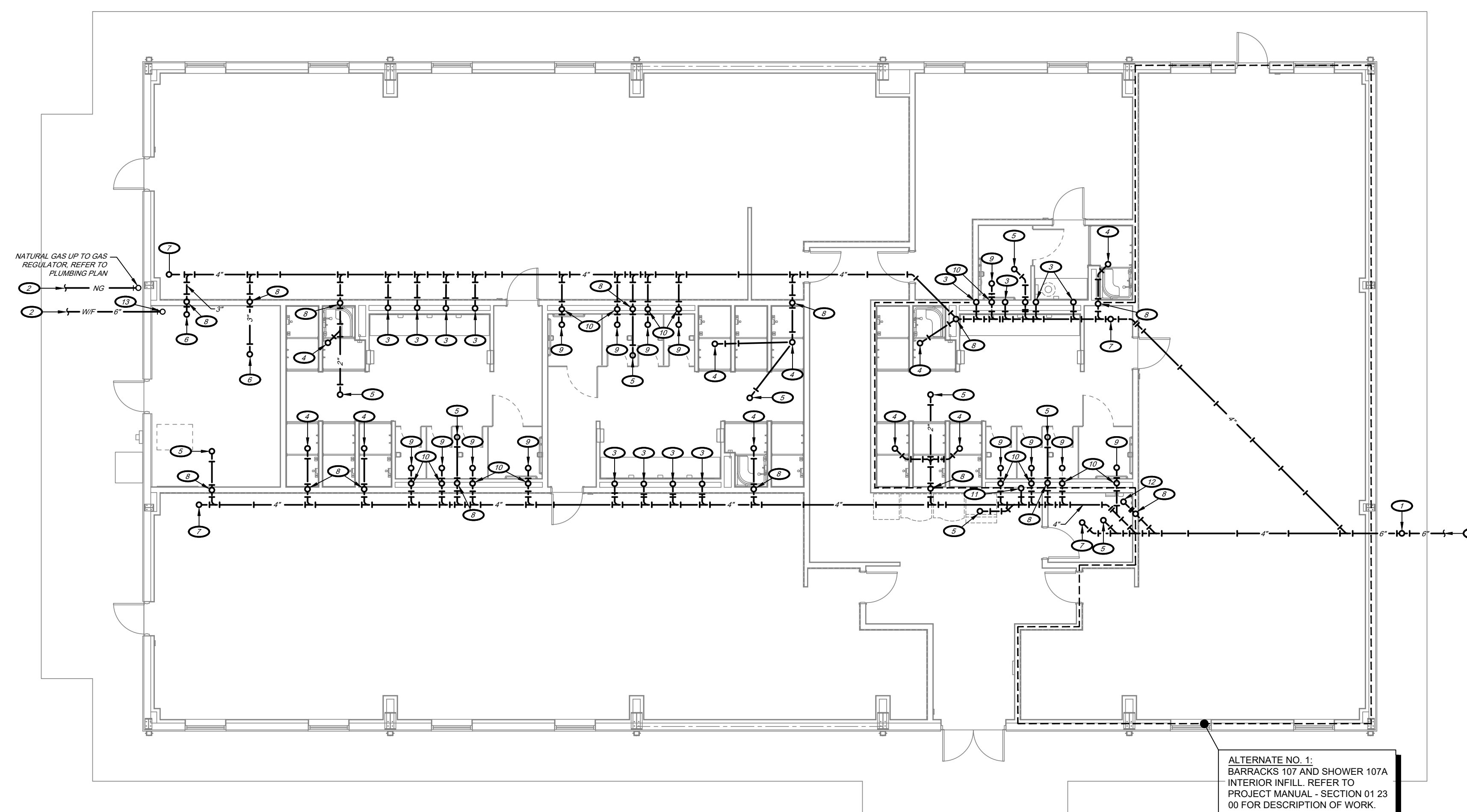
- ① 4" WASTE UP TO FINISH GRADE CLEANOUT.
- ② SERVICES SHALL BE INSTALLED 5'-0" OUTSIDE BUILDING. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- ③ 2" WASTE UP TO LAVATORY.
- ④ 2" TRAPPED WASTE UP TO SHOWER DRAIN.
- ⑤ 2" TRAPPED WASTE UP TO FLOOR DRAIN.
- ⑥ 3" TRAPPED WASTE UP TO FLOOR DRAIN.
- ⑦ 4" WASTE UP TO FINISHED FLOOR CLEANOUT.
- ⑧ 1.5" VENT UP.
- ⑨ 4" WASTE UP TO WATER CLOSET.
- ⑩ 2" VENT UP.
- ⑪ 2" WASTE UP TO DRINKING FOUNTAIN.
- ⑫ 3" TRAPPED WASTE UP TO MOP SINK.
- ⑬ 6" COMBINATION WATER/FIRE SERVICE PIPING UP.

PLUMBING GENERAL NOTES:

1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
3. PIPING LAYOUTS ARE DIAGRAMMATIC. FIELD COORDINATE EXACT LOCATIONS AND ROUTINGS WITH STRUCTURE, DUCTWORK, LIGHT FIXTURES, CONDUITS, ETC.
4. COOPERATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCES AND CONFLICTS. BEFORE ANY PIPING, ELECTRICITY, CONDUIT, ETC. IS INSTALLED, IT SHALL BE COORDINATED CAREFULLY BETWEEN ALL TRADES.
5. COORDINATE WITH ALL CONTRACTORS TO MAINTAIN ALL CLEARANCES REQUIRED FOR EQUIPMENT. DO NOT ROUTE PIPING, DUCTWORK, ETC. ABOVE ELECTRICAL PANELS.
6. CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO EQUIPMENT. PROVIDE ADAPTER AND FITTINGS FOR ALL EQUIPMENT AS REQUIRED. COORDINATE SPECIFIC REQUIREMENTS WITH EQUIPMENT SUPPLIER. REFER TO EQUIPMENT TEMPLATES / DRAWINGS FOR ADDITIONAL INFORMATION.
7. ALL MATERIALS IN PLENUMS SHALL BE NON-COMBUSTIBLE PLENUM RATED.
8. ROOF CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ROOF PENETRATIONS AND FLASHING. REQUIREMENTS TO MAINTAIN ROOF WARRANTY. COORDINATE CLOSELY WITH ROOF CONTRACTOR ALL ROOF REQUIREMENTS.
9. DRAWINGS ARE NOT SET UP SPECIFICALLY ACCORDING TO TRADE AND EACH CONTRACTOR AND SUB-CONTRACTOR ON TRADE IS REQUIRED TO REVIEW THE CONSTRUCTION DOCUMENTS AS A WHOLE AND PROVIDE ANY MISC. ITEMS, MATERIALS, WORK, ETC. REQUIRED TO COMPLETE THE WORK AS SHOWN ON ALL DOCUMENTS. THIS REQUIREMENT APPLIES TO ALL TRADES. STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING REQUIREMENTS AND RELATED WORK ARE INDICATED THROUGHOUT THE DOCUMENTS AND SHOULD BE REVIEWED WITH THE SPECIFIC MEP AND STRUCTURAL DRAWINGS FOR OVERALL SCOPE OF WORK.
10. SEAL AROUND ALL FIRE RATED WALLS WITH FIRE STOPPING/CALULKING TO MAINTAIN FIRE RATING. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATINGS.
11. PROVIDE UNISTRUTS AND ACCESSORIES AS REQUIRED FOR SUPPORT OF PIPING, EQUIPMENT, ETC.
12. ALL EXPOSED PIPING, SUPPORTS, ETC. SHALL BE PRIMED AND PAINTED PER THE SPECIFICATIONS.

PLUMBING SYMBOLS:

—	SANITARY WASTE PIPING BELOW SLAB
—	SANITARY WASTE PIPING ABOVE SLAB
—	SANITARY COMBINATION WASTE AND VENT PIPING
—	PRIMARY ROOF DRAIN PIPING BELOW SLAB
—	PRIMARY ROOF DRAIN PIPING ABOVE SLAB
—	SECONDARY ROOF DRAIN PIPING ABOVE SLAB
—	DOMESTIC COLD WATER PIPING
—	DOMESTIC HOT WATER PIPING
—	DOMESTIC HOT WATER RETURN PIPING
—	FIRE SPRINKLER PIPING
—	PLUMBING VENT PIPING
—	CONDENSATE DRAIN PIPING
—	PROPANE GAS PIPING
—	COMPRESSED AIR
—	FUEL OIL
—	SHUT-OFF VALVE
—	BALANCE VALVE
—	UNION
—	CHECK VALVE
—	SHOCK ABSORBER
—	PRESSURE GAUGE
—	TEE / ELBOW DOWN WITH VALVE IN VERTICAL PIPE
—	FREEZEPROOF WALL HYDRANT / HOSE BIBB
—	BACKFLOW PREVENTER
—	PRESSURE REGULATOR
—	FLOOR DRAIN
—	FINISH GRADE CLEANOUT
—	FINISH FLOOR CLEANOUT
—	FINISH WALL CLEANOUT



1 UNDERFLOOR PLUMBING PLAN
1/8" = 1'-0"
PLAN NORTH

AIR DEVICE SCHEDULE											
MARK	BASIS OF DESIGN MANUFACTURER	MODEL	DUCT CONNECTION SIZE	SERVICE	MODULE SIZE	FRAME	FINISH	DAMPER	MAX WC	DELTA P (STATIC)	NOTES
E1	KRUEGER	5690	6" 0-85 CFM	EXHAUST	20x20	SURFACE	WHITE	-	30	0.07"	1.3,4
			8" 90-165 CFM								
			10" 170-240 CFM								
			12" 245-350 CFM								
E2	KRUEGER	6690	6" 0-85 CFM	EXHAUST	12x12	LAY-IN	WHITE	-	30	0.06"	1
			8" 90-165 CFM								
			10" 170-240 CFM								
			12" 245-350 CFM								
S1	KRUEGER	PLQ	6" 0-100 CFM	SUPPLY	24x24	LAY-IN	WHITE	-	30	0.08"	1,2
			8" 105-215 CFM								
			10" 220-360 CFM								
			12" 365-550 CFM								
S2	KRUEGER	5PLQ	6" 0-100 CFM	SUPPLY	24x24	SURFACE	WHITE	-	30	0.08"	1,3,4
			8" 105-215 CFM								
			10" 220-360 CFM								
			12" 365-550 CFM								
R1	KRUEGER	6490	12x12 0-400 CFM	RETURN	24x24	LAY-IN	WHITE	-	30	0.06"	1
			18x18 405-450 CFM								
			22x22 555-1400 CFM								
			12x8 125-350 CFM								
R2	KRUEGER	580H	18x18 355-480 CFM	RETURN	-	SURFACE	WHITE	OBD	30	0.055"	1
			22x16 1100-1450 CFM								
			26x18 1455-2000 CFM								
			12x12 0-450 CFM								
T1	KRUEGER	6490	12x12 0-450 CFM	TRANSFER	20x20	SURFACE	WHITE	-	20	0.04"	1

NOTES:
 1. GRILLEDIFFUSER NECK SHALL BE SAME SIZE AS BRANCH DUCTWORK UNLESS NOTED OTHERWISE ON PLAN.
 2. DIFFUSER DISCHARGE AIR PATTERN SHALL BE 4-WAY UNLESS NOTED BY DIRECTION ON PLANS.
 3. INCLUDE YOUNG REGULATOR MODEL 270-301 OR EQUIVALENT REMOTE CABLE CONTROL FOR DAMPER WITH CUP AND CEILING COVER PLATE AT INACCESSIBLE CEILINGS.
 4. ALL ALUMINUM CONSTRUCTION

GAS FURNACE/COIL/CONDENSING UNIT SCHEDULE											
FURNACE											
MARK	BASIS OF DESIGN MFR.	MODEL #	CFM	OA CFM	DELTA P (STATIC)	INPUT HIGH/LOW (MBH)	OUTPUT HIGH/LOW (MBH)	VOLTAGE/ PHASE	MCA	MOCP	NOTES
F1	TRANE	SBK2C100USP8	1800	325	0.5"	100 / 65	97 / 63	120V1	14.4	15	1.2,3,4
F2	TRANE	SBK2C100USP8	2000	380	0.5"	100 / 65	97 / 63	120V1	14.4	15	1.2,3,4
F3	TRANE	SBK2C100USP8	2000	380	0.5"	100 / 65	97 / 63	120V1	14.4	15	1.2,3,4
F4	TRANE	SBK2B080USP8	1000	200	0.5"	80 / 52	77.6 / 50.4	120V1	11.3	15	1.2,3,4

COIL / CONDENSING UNIT											
MARK	BASIS OF DESIGN MANUFACTURER	EVAP. COIL MODEL #	COND. UNIT MODEL #	ENTERING AIR DBWB	SENSIBLE MBH	TOTAL MBH	VOLTAGE/ PHASE	SEER	MCA	MOCP	NOTES
CU1	TRANE	STXCC009AS3	STR7060A1	77.4/63.0	43.5	55.7	240V1	16	43.0	60	1,2
CU2	TRANE	STXCC009AS3	STR7060A1	77.4/63.0	46.1	56.4	240V1	16	43.0	60	1,2
CU3	TRANE	STXCC009AS3	STR7060A1	77.4/63.0	45.1	55.4	240V1	16	43.0	60	1,2
CU4	TRANE	STXCC009AS3	STR6030A1	78.9/63.0	24.0	27.5	240V1	16	17.0	25	1,2

COIL / CONDENSING UNIT NOTES:
 1. PROVIDE REFRIGERANT LINE SET(S) SIZED PER MANUFACTURER'S RECOMMENDATIONS.
 2. PROVIDE ALL REFRIGERATION SYSTEM ACCESSORIES REQUIRED BY MANUFACTURER FOR GIVEN LINE SET ROUTING.

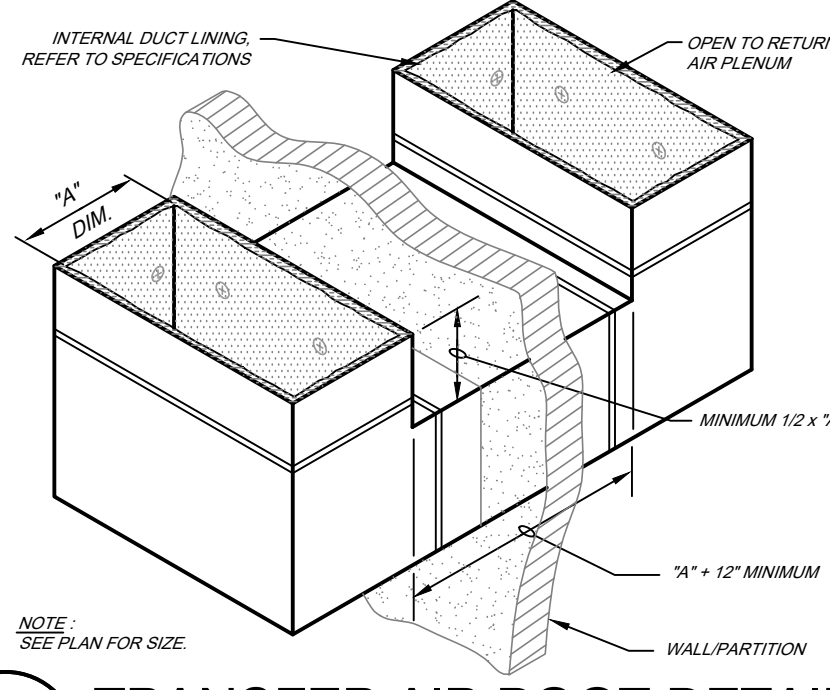
LOUVER SCHEDULE										
MARK	BASIS OF DESIGN MANUFACTURER	MODEL #	SERVICE	CFM	DELTA P (STATIC)	WIDTH X HEIGHT (IN)	DEPTH (IN)	FREE AREA (SQ. FT.)	VELOCITY (FPM)	NOTES
L1	POTTORFF	EFD-437	INTAKE	1,685	0.04"	40" x 24"	4"	3.3	515	1,2,3,4
L2	POTTORFF	EFD-437	EXHAUST	1,500	0.04"	30" x 24"	4"	2.9	514	1,2,3,4

NOTES:
 1. BRID SCREEN
 2. ALUMINUM EXTRUDED CONSTRUCTION.
 3. COORDINATE FRAME TYPE AND INSTALLATION WITH PRE-ENGINEERED METAL BUILDING MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 4. DARK BRONZE FINISH. VERIFY EXACT FINISH WITH ARCHITECT PRIOR TO ORDERING.

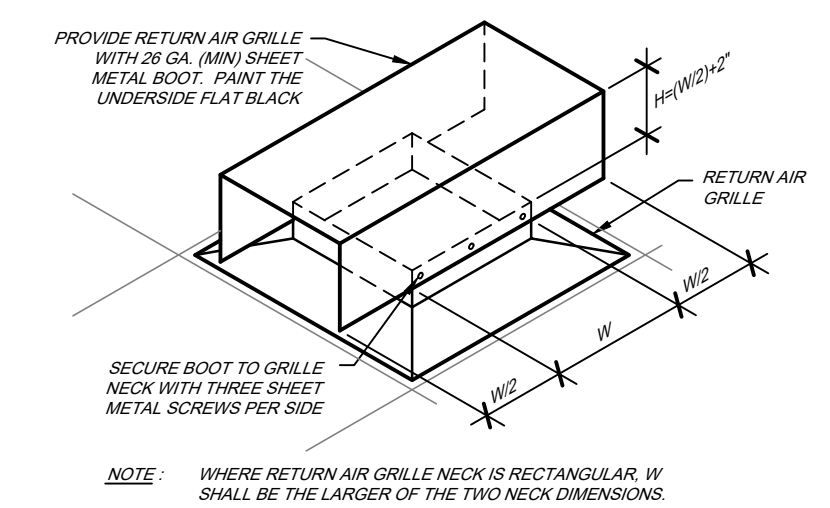
FAN SCHEDULE										
MARK	BASIS OF DESIGN MANUFACTURER	MODEL #	CFM	E.S.P. (IN. W.G.)	MOUNTING	FINISH	DAMPER	VOLTAGE/ PHASE	MOTOR HP/WATTS	NOTES/ ACCESSORIES
EF1	COOK	13SSQN170(VF)	1,500	0.75"	INLINE	STD	M.D.	120V1	1/2 HP	1,2,3,4

NOTES/ACCESSORIES:
 1. FACTORY DISCONNECTING MEANS.
 2. INCLUDE FAN SPEED CONTROLLER.
 3. INCLUDE SPRING VIBRATION ISOLATOR HANGERS TO COMPLY WITH THE REQUIREMENTS OF SEISMIC CATEGORY D.
 4. INCLUDE LINE VOLTAGE MOTORIZED DAMPER. DAMPER SET TO OPEN ON FAN OPERATION. CLOSE WHEN FAN OFF.

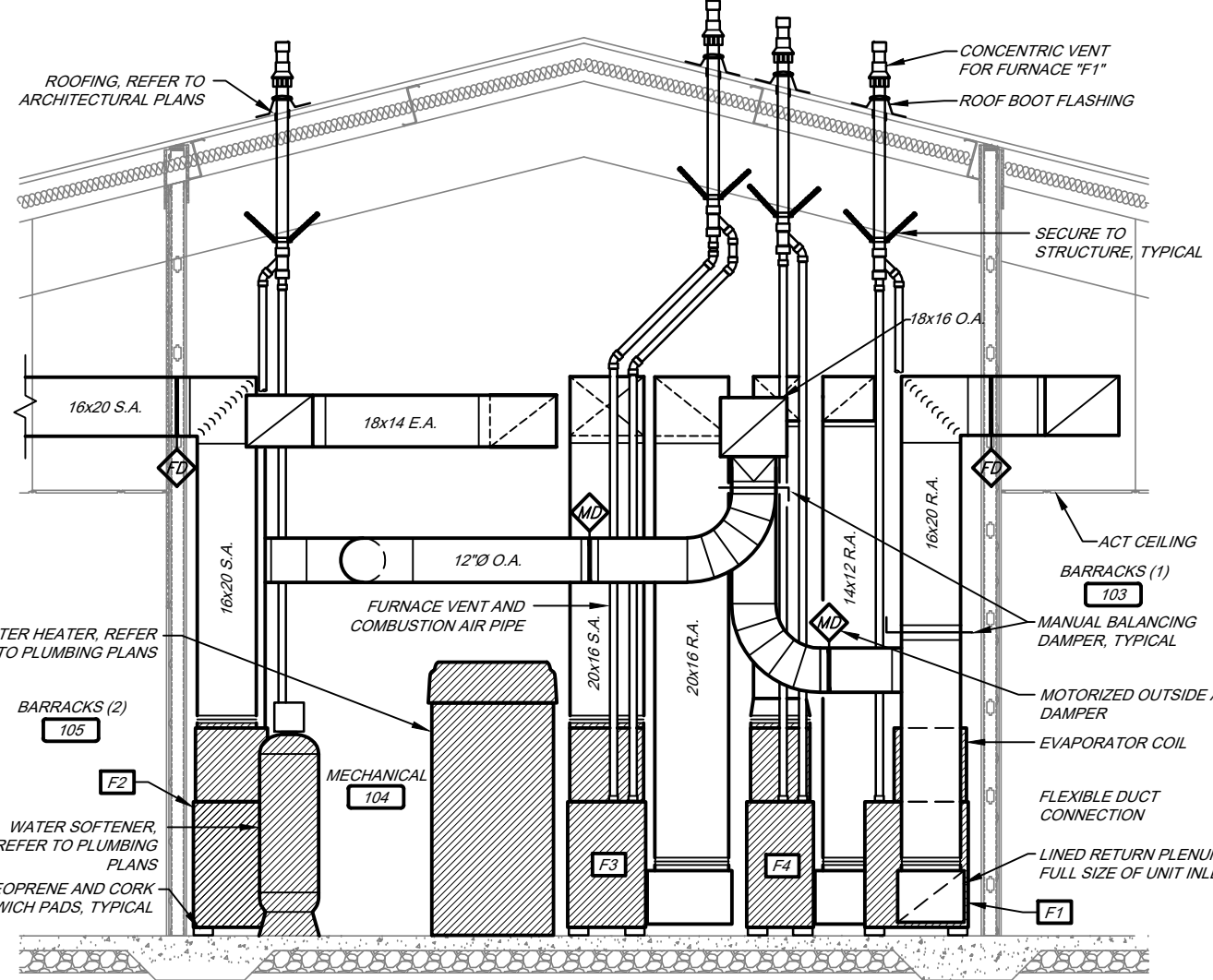
HVAC TEMPERATURE CONTROLS NOTES:
 THE CAMPUS HAS AN EXISTING "PELICAN" WIRELESS HVAC CONTROLS SYSTEM. THIS BUILDING SHALL BE INTERCONNECTED TO THE EXISTING SYSTEM. PROVIDE ALL REQUIRED DEVICES AND SETUP FOR THE HVAC SYSTEM TO FUNCTION AND COMMUNICATE WITH THE PELICAN WIRELESS SYSTEM CONTROL SYSTEM, INCLUDING THE FOLLOWING ITEMS:
 1. "PELICAN" WIRELESS INTEGRATED CELLULAR-ENABLED WIRELESS EXTENDED RANGE GATEWAY. REFER TO PLAN FOR LOCATION.
 2. THE CONTRACTOR'S BID SHALL INCLUDE FIVE YEARS OF THE "PELICAN ANYWHERE CELLULAR NETWORK SERVICE" FOR THE SYSTEM.
 3. FOR THE HVAC SPLIT SYSTEM, "PELICAN" #75300 INTERNET-ENABLED THERMOSTAT. THERMOSTAT SHALL INCLUDE 7-DAY PROGRAMMING, WIRELESS MESH NETWORK COMMUNICATION AND OPERATING TRENDS CAPABILITIES.
 4. INTERCONNECT THE SYSTEM OUTSIDE AIR DAMPER TO OPEN DURING OCCUPIED HOURS.
 5. INSTALL THERMOSTATS AT 5' ABOVE FINISHED FLOOR. WHEN LOCATED ABOVE LIGHT SWITCH, MAINTAIN ALIGNMENT DIRECTLY ABOVE THE LIGHT SWITCH.



5 TRANSFER AIR BOOT DETAIL
NO SCALE



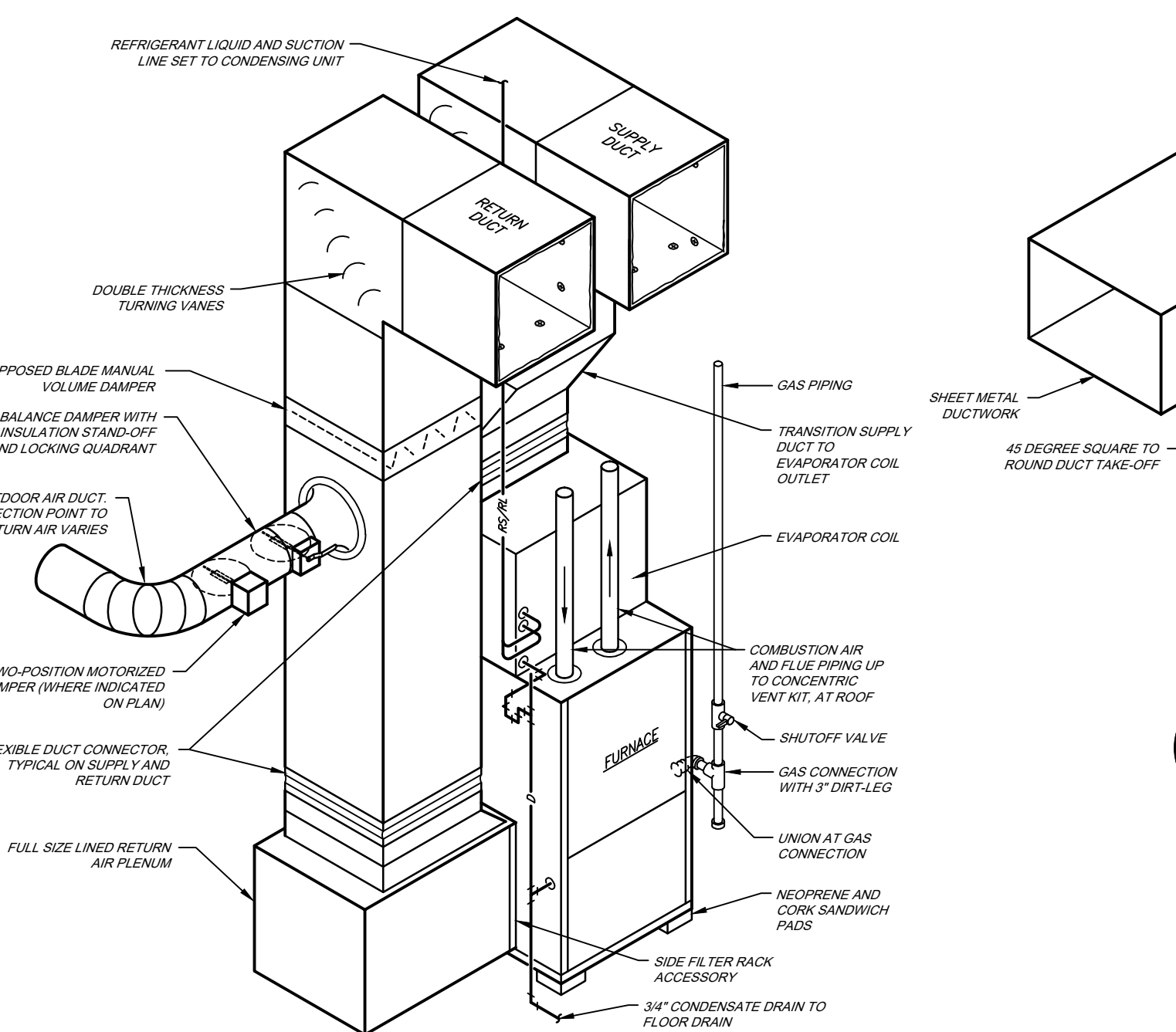
4 RETURN GRILLE DETAIL
NO SCALE



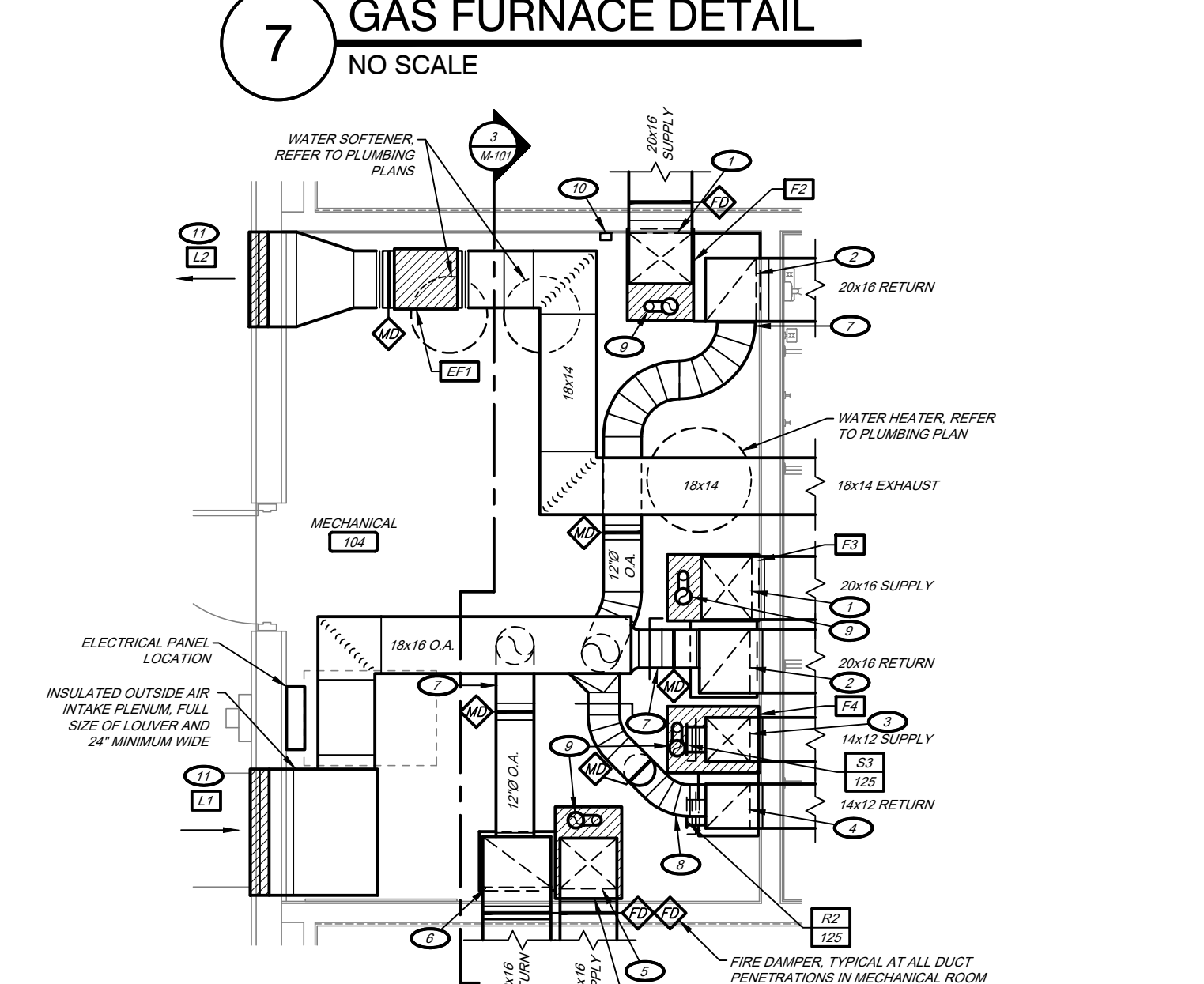
3 SECTION - LOOKING WEST
1/4" = 1'-0"



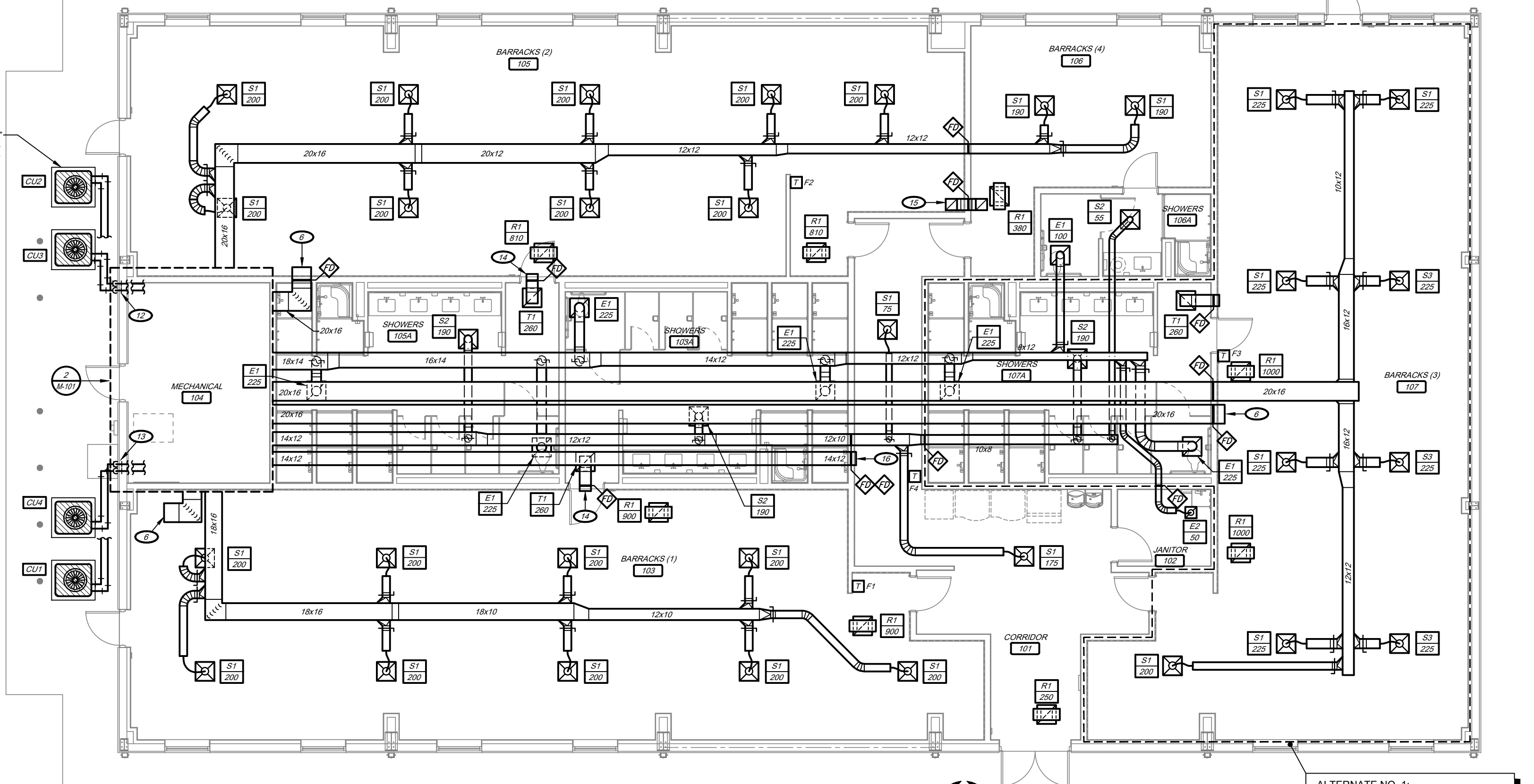
6 DIFFUSER DETAIL
NO SCALE



7 GAS FURNACE DETAIL
NO SCALE



2 ENLARGED MECHANICAL ROOM HVAC PLAN
1/4" = 1'-0"

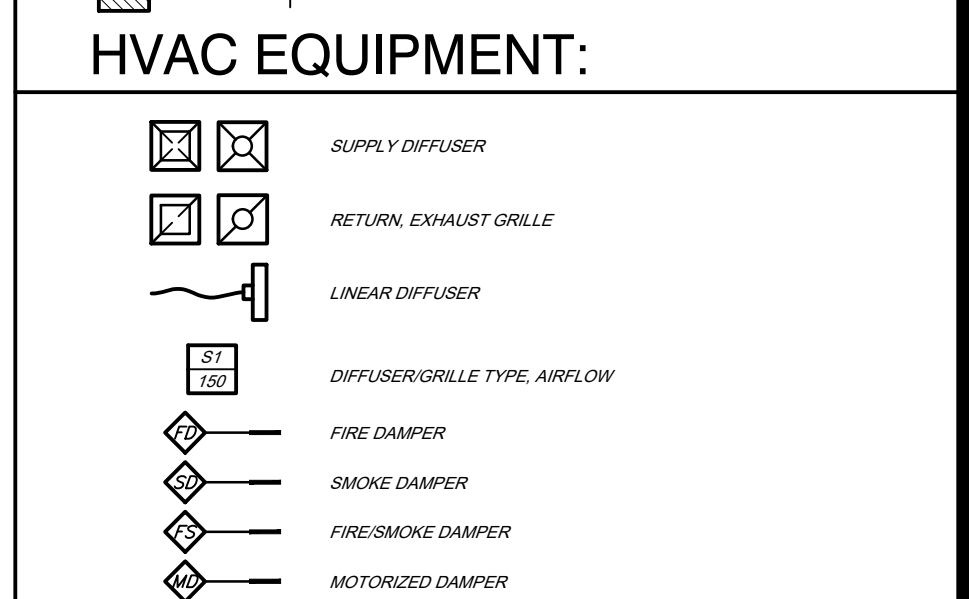
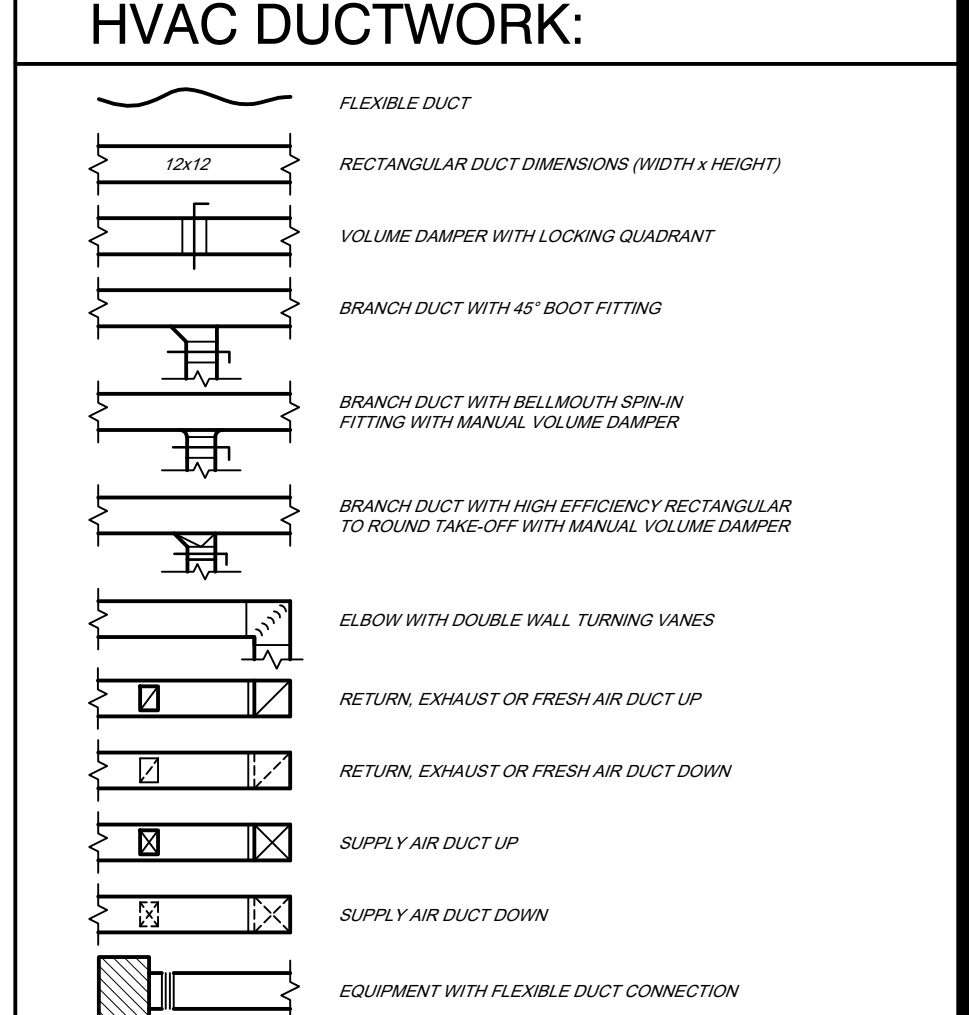


1 HVAC PLAN
1/8" = 1'-0"

ALTERNATE NO. 1:
 BARRACKS 107 AND SHOWER 107A INTERIOR INFILL. REFER TO PROJECT MANUAL - SECTION 01 23 00 FOR DESCRIPTION OF WORK.

KEYNOTES:
 1. 20x16 SUPPLY DUCT DOWN AND TRANSITION TO FURNACE SUPPLY AIR CONNECTION.
 2. 20x16 RETURN DUCT DOWN TO RETURN PLENUM OF FURNACE. REFER TO GAS FURNACE DETAIL.
 3. 12x12 SUPPLY DUCT DOWN AND FURNACE SUPPLY AIR CONNECTION.
 4. 12x12 RETURN DUCT DOWN TO RETURN PLENUM OF FURNACE. REFER TO GAS FURNACE DETAIL.
 5. 18x16 SUPPLY DUCT DOWN AND FURNACE SUPPLY AIR CONNECTION.
 6. 20x16 RETURN DUCT DOWN ENDED TO CEILING SPACE.
 7. 12\"/>

GENERAL HVAC NOTES:
 1. THE PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
 2. EQUIPMENT AND DUCTWORK LAYOUTS ARE DIAGRAMMATIC. FIELD TO COORDINATE EXACT LOCATIONS AND ROUTINGS WITH STRUCTURE, PIPING, CONDUITS, LIGHT FIXTURES, ETC. PANEL RISERS SHALL BE EQUIVALENT TO THAT INDICATED ON DRAWINGS.
 3. COORDINATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCES AND CONFLICTS. BEFORE ANY PIPING, DUCTWORK, CONDUIT, ETC. IS INSTALLED, IT SHALL BE COORDINATED CAREFULLY BETWEEN ALL TRADES.
 4. CONTRACTOR SHALL FIELD VERIFY EXTENT OF EXISTING CONSTRUCTION.
 5. CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND STRUCTURAL ENGINEER FOR SIZE AND LOCATION OF BEAMS THROUGH EXISTING STRUCTURAL WALLS.
 6. MAINTAIN ALL CLEARANCES REQUIRED FOR EQUIPMENT. DO NOT ROUTE PIPING, DUCTWORK, ETC. ABOVE ELECTRICAL PANELS.
 7. PROVIDE UNISTRUTS AND ACCESSORIES AS REQUIRED FOR SUPPORT OF DUCTWORK EQUIPMENT, ETC.
 8. SEAL AROUND ALL RATED WALL PENETRATIONS WITH FIRE STOPPING/CAULKING PER THE SPECIFICATIONS.
 9. ALL EXPOSED DUCTWORK, PIPING, SUPPORTS, ETC. SHALL BE PRIMED AND PAINTED PER THE SPECIFICATIONS.
 10. BRANCH DUCTS SHALL BE THE SAME SIZE AS DIFFUSER NECK UNLESS NOTED OTHERWISE.
 11. COORDINATE CEILING DIFFUSER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
 12. REFER TO EQUIPMENT SCHEDULES FOR OUTSIDE AIR QUANTITIES TO INDIVIDUAL HVAC UNITS.
 13. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.



HVAC CONTROLS:
 THERMOSTAT AND EQUIPMENT SERVED
 SPACE CO2 SENSOR
 HUMIDITY SENSOR
 NOTE: INSTALL THERMOSTATS AND SENSORS AT 4\"/>

NOTATION:
 EA EXHAUST AIR
 OA OUTSIDE AIR
 RA RETURN AIR
 SA SUPPLY AIR

STATE OF MISSOURI
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CAMP CLARK
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 18159 SOUTH K HIGHWAY
 NEVADA, MISSOURI

PROJECT # T2612-01
 SITE # 6274
 ASSET # 8136274080
 BUILDING # 446

REVISION:
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 ISSUE DATE: 06/03/2026

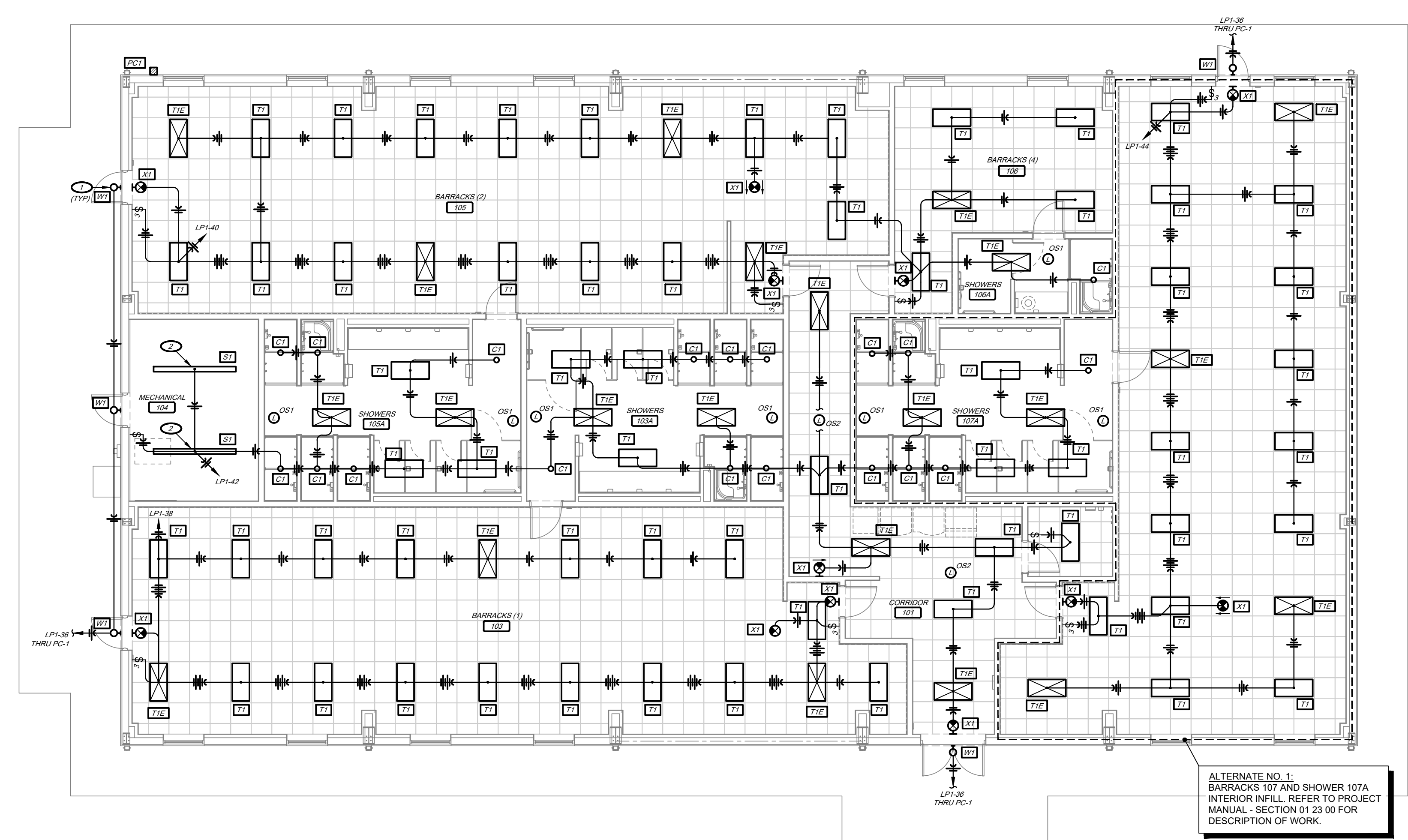
CAD DWG FILE: T2612-01-6274-8136274080-M-101
 DRAWN BY: JDF
 CHECKED BY: RSJ
 DESIGNED BY: TJG

SHEET TITLE:
 HVAC PLAN
 (ATLERNATE NO.1)

SHEET NUMBER:
 M-101
 30 OF 34 SHEETS
 06/03/2026

KEYNOTES:

- WALL PACK SHALL BE INSTALLED AT APPROXIMATELY 9'-0"
- FIELD COORDINATE EXACT LOCATION AND MOUNTING OF LIGHTING FIXTURE TO AVOID CONFLICT WITH DUCTWORK IN MECHANICAL ROOM

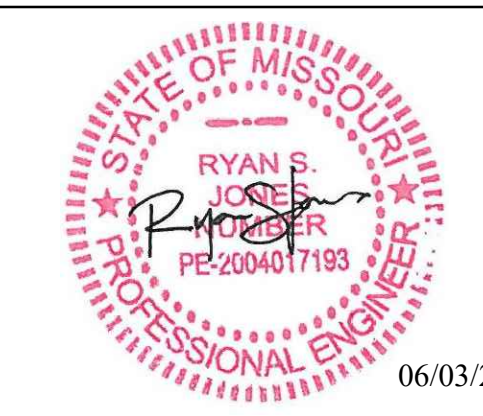


1 LIGHTING PLAN
1/8" = 1'-0"
PLAN NORTH

LIGHTING SYMBOLS:

- EXIT LIGHT, WALL MOUNTED / CEILING MOUNTED
- EMERGENCY LIGHT
- EXTREMELY LIGHT
- FLUORESCENT OR LED LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- EMERGENCY LIGHT FIXTURE
- LIGHT SWITCH
- 3-WAY LIGHT SWITCH
- CEILING MOUNTED OCCUPANCY SENSOR
- LIGHTING & POWER PANELBOARD
- CONDUIT CONCEALED IN CEILING OR WALL
- CONDUIT BELOW GRADE
- HOME RUN: TICK MARKS INDICATE NUMBER OF WIRES, ARROWS INDICATE NUMBER OF CIRCUITS
- GROUND WIRE
- FEEDER PER SCHEDULE

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



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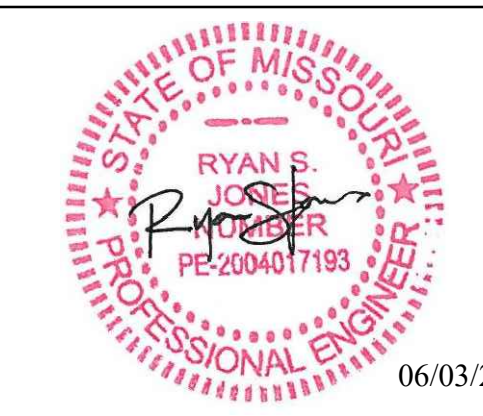
SHEET TITLE:
**LIGHTING PLAN
(ALTERNATE NO. 1)**

SHEET NUMBER:
E-101
31 OF 34 SHEETS
06/03/2026

KEYNOTES:

- PROVIDE POWER TO MOTORIZED DAMPERS. FIELD COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR.
- LOW-VOLTAGE PATCH PANEL AND ENCLOSURE INSTALLED ON PHONE BOARD.
- (2) 2" COMMUNICATIONS CONDUIT STUBBED UP TO PHONE BOARD.
- REFER TO CIVIL PLANS FOR CONTINUATION.
- INSTALL RECEPTACLES CONCEALED BEHIND DRINKING FOUNTAIN ENCLOSURE PER MANUFACTURER'S INSTRUCTIONS.

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CAD DWG FILE: T2612-01-6274-8136274080-E-102
DRAWN BY: JDF
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DESIGNED BY: TJG

SHEET TITLE:
**POWER PLAN
(ALTERNATES
NO. 1 & NO. 2)**

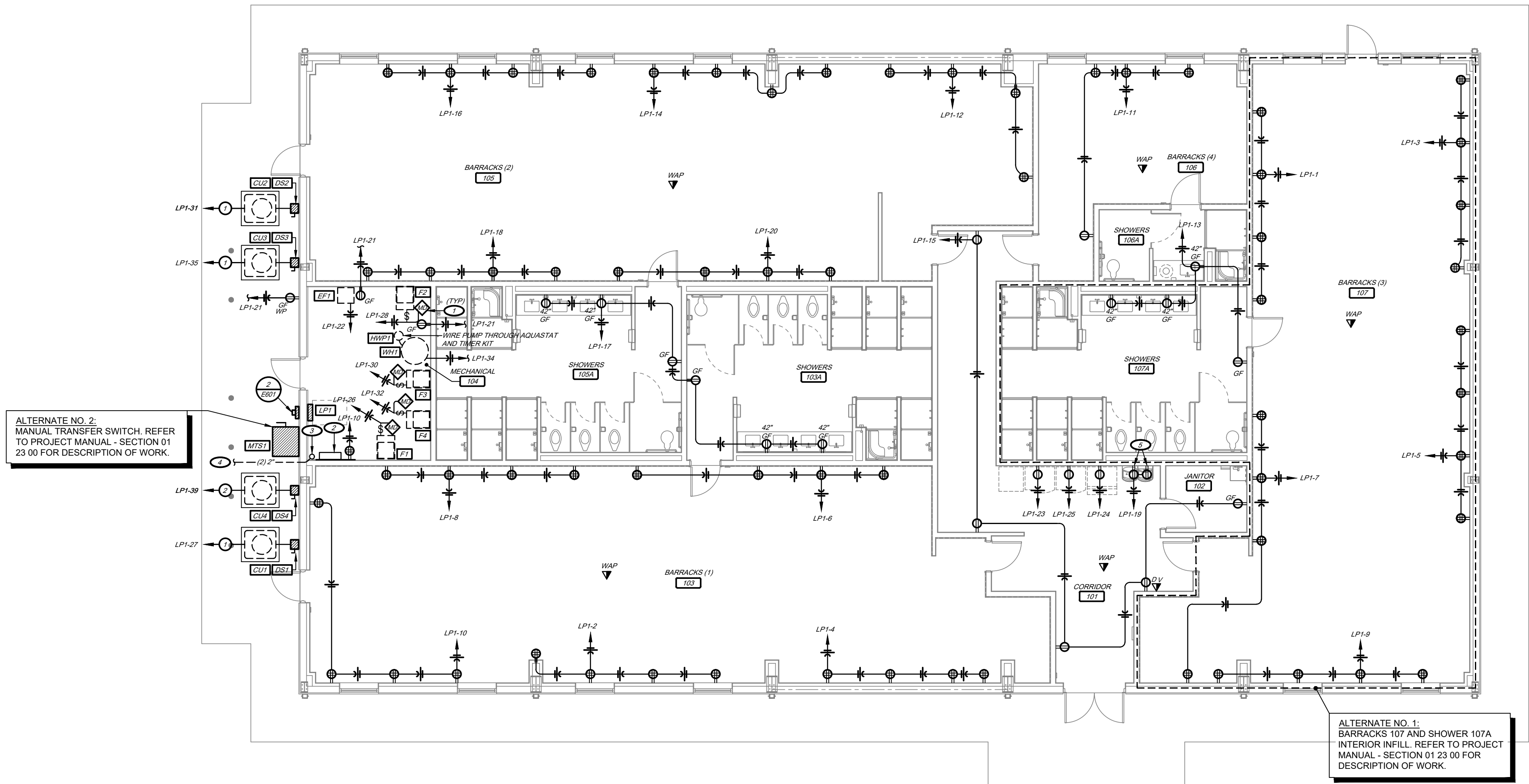
SHEET NUMBER:
E-102
32 OF 34 SHEETS
06/03/2026

CONDUIT & CONDUCTOR SCHEDULE:

- (2) #6 AND (1) #10 GROUND IN 0.75" CONDUIT.
- (2) #10 AND (1) #10 GROUND IN 0.75" CONDUIT.

ELECTRICAL SYMBOLS:

- SIMPLEX RECEPTACLE: 2P, 3W, 15A OR 20A, 125V
- 14-30 SIMPLEX RECEPTACLE, NEMA CONFIGURATION AS INDICATED
- 14-30 DUPLEX RECEPTACLE: 2P, 3W, 15A OR 20A, 125V
- 42" DUPLEX RECEPTACLE, MOUNTED @ 42" ABOVE FINISHED FLOOR
- AC DUPLEX RECEPTACLE, MOUNTED 6" ABOVE COUNTERTOP BACKSPASH
- C DUPLEX RECEPTACLE, INSTALLED FLUSH WITH CEILING
- GF DUPLEX RECEPTACLE, WI GROUND FAULT INTERRUPTER
- WP DUPLEX RECEPTACLE, WEATHERPROOF
- DP DOUBLE DUPLEX RECEPTACLE WITH COMMON FACEPLATE
- RFP RECEPTACLE MOUNTED IN FLUSH FLOOR BOX. REFER TO SPECIFICATIONS
- D COMBINATION VOICE & DATA TELECOMMUNICATIONS OUTLET, ROUGH-IN JUNCTION BOX OR PLASTER RING, (1) CAT5 VOICE CABLE & (1) CAT5 DATA CABLE ROUTED TO PATCH PANEL, COVER PLATE & JACK
- WAP DATA TELECOMMUNICATIONS OUTLET INSTALLED FLUSH WITH CEILING, ROUGH-IN JUNCTION BOX OR PLASTER RING, (1) CAT5 VOICE CABLE & (1) CAT5 DATA CABLE ROUTED TO PATCH PANEL, COVER PLATE & JACK
- TV CABLE TV OUTLET, ROUGH-IN JUNCTION BOX OR PLASTER RING ONLY, CABLE COVER PLATE & JACKS PROVIDED BY OTHERS.
- JB JUNCTION BOX
- LP LIGHTING & POWER PANELBOARD
- CC CONDUIT CONCEALED IN CEILING OR WALL
- CB CONDUIT BELOW GRADE
- HR HOME RUN: TICK MARKS INDICATE NUMBER OF WIRES, ARROWS INDICATE NUMBER OF CIRCUITS
- GW GROUND WIRE
- FS FEEDER PER SCHEDULE
- DS DISCONNECT SWITCH



ALTERNATE NO. 2:
MANUAL TRANSFER SWITCH, REFER TO PROJECT MANUAL - SECTION 01 23 00 FOR DESCRIPTION OF WORK.

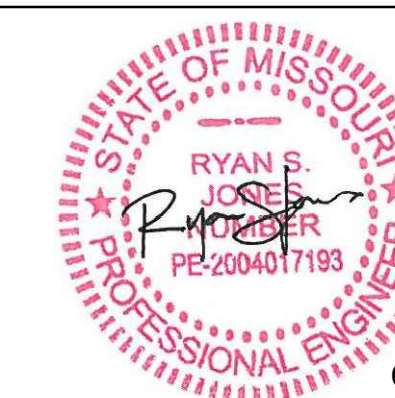
ALTERNATE NO. 1:
BARRACKS 107 AND SHOWER 107A INTERIOR INFILL. REFER TO PROJECT MANUAL - SECTION 01 23 00 FOR DESCRIPTION OF WORK.

1 POWER PLAN
1/8" = 1'-0"
PLAN NORTH

FIRE ALARM GENERAL NOTES:

1. PROVIDE FIRE ALARM SYSTEM INITIATION DEVICES AND NOTIFICATION APPLIANCES, MONITORING AND CONTROL DEVICES AS INDICATED ON THE DRAWINGS AND/OR AS REQUIRED FOR SPECIFICATIONS, LATEST EDITION OF NFPA 72 OR AUTHORITY HAVING JURISDICTION(A/H).
2. ALL FIRE ALARM WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 72 AND THE NATIONAL ELECTRICAL CODE.
3. FIRE ALARM SYSTEM WIRING SHALL BE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SHALL COMPLY WITH N.E.C. ARTICLE 760.
4. ALL EXPOSED FIRE ALARM SYSTEM WIRING SHALL BE IN CONDUIT. PAINT FIRE ALARM CONDUIT, JUNCTION BOXES AND FITTINGS RED.
5. ALL FIRE ALARM SYSTEM WIRING SHALL BE INSTALLED IN CONDUIT.
6. FIRE ALARM SYSTEM EQUIPMENT SUBMITTALS SHALL INCLUDE PRODUCT DATA SHEETS, FIRE ALARM SYSTEM PLAN, EQUIPMENT WIRING DIAGRAMS, SEQUENCE OF OPERATIONS, VOLTAGE DROP AND BATTERY CALCULATIONS. IN ADDITION TO SUBMITTALS BEING SUBMITTED TO A/E, SUBMITTALS SHALL BE SUBMITTED TO AUTHORITY HAVING JURISDICTION(A/H) FOR REVIEW AND APPROVAL. AN APPROVED COPY AS SUBMITTED TO A/H SHALL ALSO BE SUBMITTED TO A/E.
7. WHERE A POWER EXTENDER IS REQUIRED, PROVIDE POWER EXTENDER, ASSOCIATED 120VOLT POWER SUPPLY AND A SMOKE DETECTOR IN SAME ROOM AS POWER EXTENDER.
8. IF SHOWN ON THE PLANS, CONTRACTOR SHALL PROVIDE ALL MAGNETIC DOOR HOLDERS, AND ALL CONTROL WIRING TO CLOSE DOORS UPON DETECTION BY ASSOCIATED SMOKE DETECTOR. DOOR HOLDER FINISH SHALL MATCH ALL DOOR HARDWARE FINISH OF DOOR HARDWARE PROVIDED BY OTHERS.
9. FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA STANDARDS AND MANUFACTURER'S RECOMMENDATIONS, AND SHALL BE INSTALLED BY PERSONS WHO ARE QUALIFIED AND EXPERIENCED IN THE INSTALLATION, INSPECTION AND TESTING OF FIRE ALARM SYSTEMS. INSTALLER SHALL HAVE A MINIMUM OF 3 YEARS OF EXPERIENCE. PERFORM OPERATIONAL SYSTEM TESTS UPON COMPLETION OF INSTALLATION. CORRECT DEFICIENCIES AND RETEST PRIOR TO OWNER OCCUPATION OF BUILDING. PROVIDE A COMPLETED NFPA 72 RECORD OF COMPLETION FORM TO THE OWNER AND AUTHORITY HAVING JURISDICTION.
10. FIRE ALARM SYSTEM CONTROL PANEL SHALL ALLOW FOR DETECTOR SENSITIVITY ADJUSTMENT AND TESTING, AND SHALL INCLUDE INDIVIDUAL CONTROLS (AT CONTROL PANEL) FOR TESTING AUDIBLE APPLIANCES AND VISUAL STROBES.

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MIKE KEHOE,
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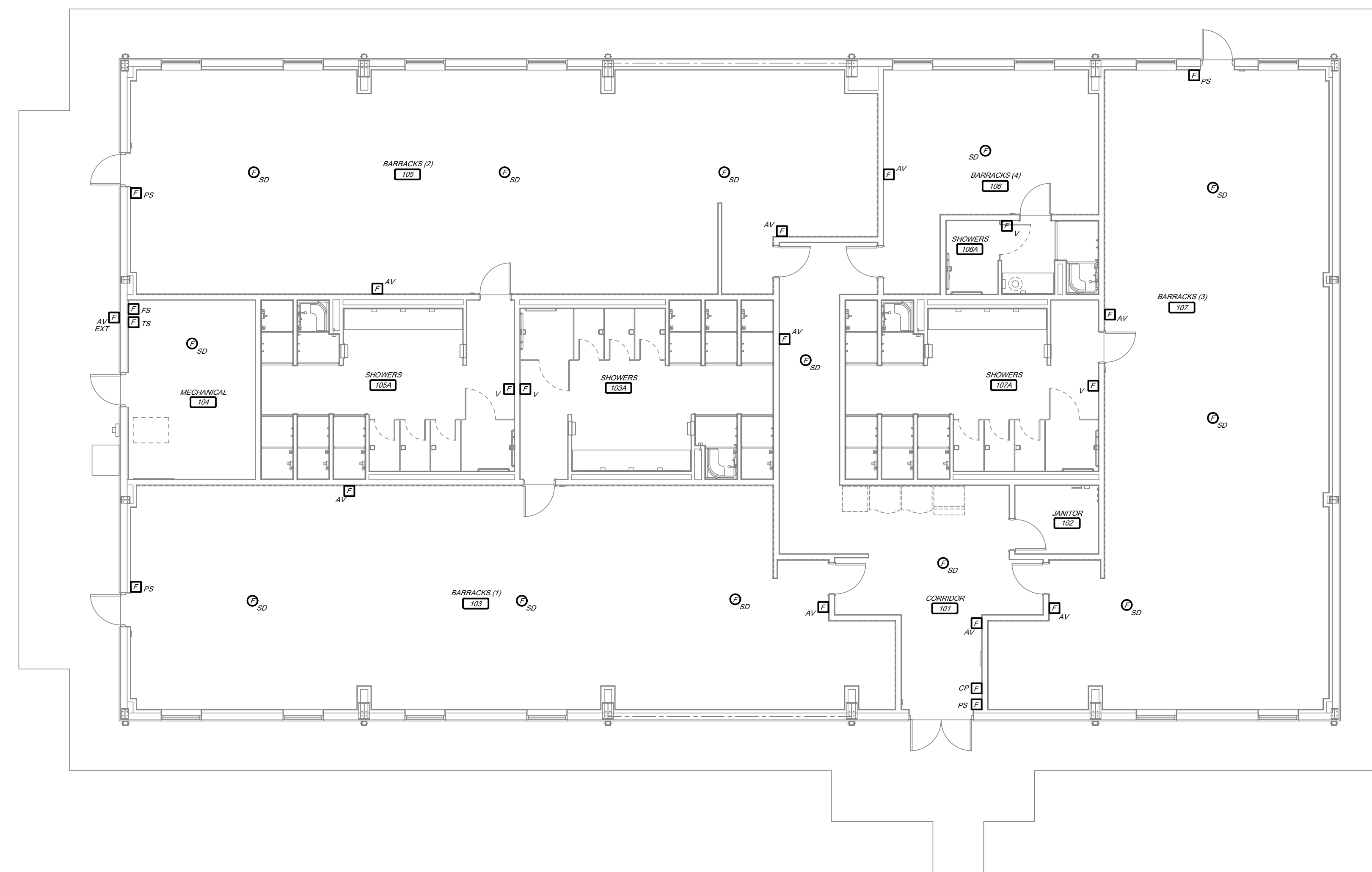
SHEET TITLE:

FIRE ALARM
SYSTEM PLAN

SHEET NUMBER:

E-103

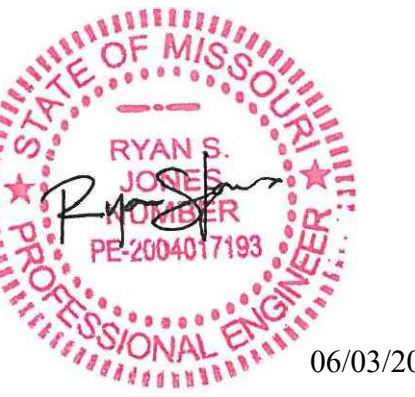
33 OF 34 SHEETS
06/03/2026



1 FIRE ALARM SYSTEM PLAN
1/8" = 1'-0"
PLAN NORTH

FIRE ALARM SYMBOLS:

- AV CEILING MOUNTED AUDIOVISUAL FIRE ALARM ANNUNCIATING DEVICE
- SD CEILING MOUNTED SMOKE DETECTOR
- DD DUCT MOUNTED SMOKE DETECTOR WITH SAMPLING TUBE. INSTALL AT RETURN DUCT UNLESS OTHERWISE NOTED.
- CP FIRE ALARM SYSTEM CONTROL PANEL
- AV WALL MOUNTED AUDIOVISUAL FIRE ALARM ANNUNCIATING DEVICE
- CA REMOTE ANNUNCIATOR PANEL
- FS FLOW SWITCH
- MS MANUAL PULL STATION
- TS TAMPER SWITCH
- V WALL MOUNTED VISUAL FIRE ALARM ANNUNCIATING DEVICE
- AV EXT WALL MOUNTED EXTERIOR AUDIOVISUAL FIRE ALARM ANNUNCIATING DEVICE



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DRAWN BY: JDF
CHECKED BY: RSJ
DESIGNED BY: TJG

SHEET TITLE:
ELECTRICAL
DETAILS AND
SCHEDULES

SHEET NUMBER:

E-601

34 OF 34 SHEETS
06/03/2026

GENERAL ELECTRICAL NOTES:

- GENERAL NOTES AND DETAILS ON THIS SHEET APPLY TO ALL ELECTRICAL SHEETS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- THE PLANS ARE DIAGNOSTIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR DIMENSIONS. FIELD VERIFY DIMENSIONS.
- THE CONTRACTOR SHALL SCHEDULE AND EXECUTE THE WORK WITH REGARD TO THE OWNER'S USE OF EXISTING PORTIONS OF PROPERTY.
- COORDINATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCES AND CONFLICTS. COORDINATE LOCATIONS OF CONDUITS, RACEWAYS, SUPPONES, ETC. WITH ALL TRADES PRIOR TO BEGINNING. YIELD RIGHT OF WAY TO SYSTEMS REQUIRED TO BE INSTALLED AT A SLOPE.
- COORDINATE REQUIRED CLEARANCES ABOUT AND ABOVE ELECTRICAL EQUIPMENT WITH PLUMBING, HVAC AND OTHER TRADES TO KEEP DUCTWORK, PIPING, ETC. FROM BEING INSTALLED ABOVE ELECTRICAL EQUIPMENT.
- COORDINATE LIGHT FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE LOCATIONS OF WALL MOUNTED LIGHT FIXTURES WITH ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO BEGINNING.
- COORDINATE WALL MOUNTED SWITCH, RECEPTACLE, TELEPHONE, DATA AND OTHER ELECTRICAL SYSTEM DEVICE LOCATIONS WITH ARCHITECTURAL INTERIOR AND MILLWORK ELEVATION DRAWINGS PRIOR TO BEGINNING.
- THERMOSTATS, SENSORS, DAMPERS AND HVAC EQUIPMENT CONTROL WIRING SHALL BE FURNISHED BY HVAC CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE NECESSARY CONDUIT AND BOXES FOR THE INSTALLATION OF DEVICES AND CABLING.
- WHERE SHOWN ADJACENT TO LIGHT SWITCHES, JUNCTION BOXES FOR SENSORS, ETC. SHALL BE INSTALLED TO ALLOW 3/4" BETWEEN EDGE OF SENSOR AND SWITCH COVERPLATE. WHERE SHOWN NOT ADJACENT TO LIGHT SWITCHES, JUNCTION BOXES FOR SENSORS, ETC. SHALL BE LOCATED WITHIN 12" OF NEAREST INSIDE OR OUTSIDE CORNER, NOT IN CENTER SECTION OF WALL. ALL LOCATIONS SHALL BE SUBJECT TO APPROVAL BY ARCHITECT, ENGINEER, AND/OR OWNER.
- INSTALL RECEPTACLES ADJACENT TO PHONE, DATA, TV, ETC. OUTLETS WHERE SHOWN IN SAME LOCATION.
- ALL BRANCH CIRCUITS ON FEEDERS SHALL BE INSTALLED WITH AN EQUIPMENT GROUNDING CONDUCTOR.
- ROUTE ALL EXPOSED CONDUIT TIGHT TO STRUCTURE IN A NEAT AND ORDERLY FASHION.

MARK	LOAD	TRANSFER SWITCH				SERVICE DISCONNECT		NEMA ENCLOSURE	TYPE	NOTES & ACCESS
		EQUIPMENT SERVED	VOLTAGE	AMP	POLE	AMP	POLE			
MTS1	FULL BUILDING ELECTRICAL SERVICE	240	400		3	300	3	3R	MANUAL	1,2,3,4,5,6

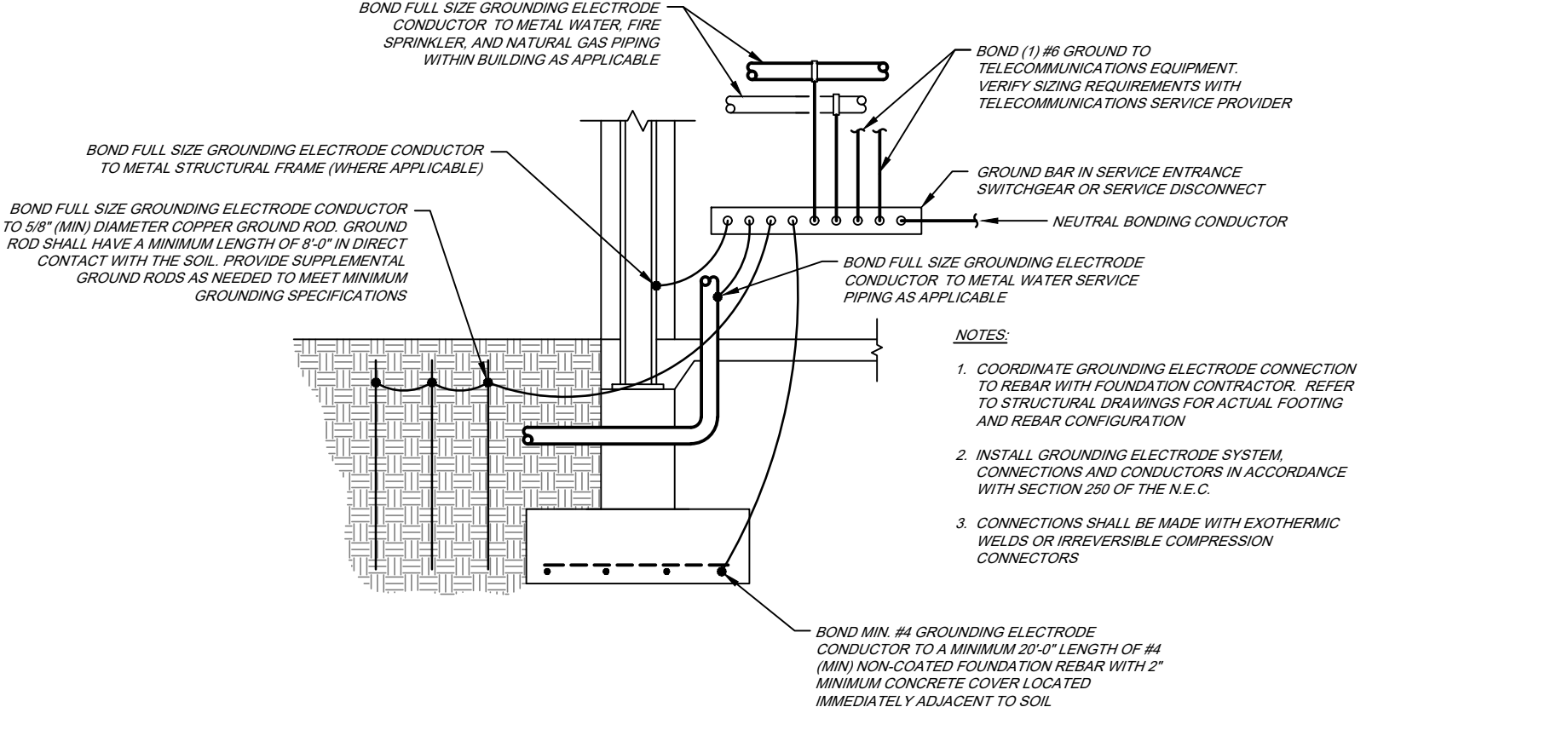
ALTERNATE NO. 2
MANUAL TRANSFER SWITCH. REFER
TO PROJECT MANUAL - SECTION 01
23 00 FOR DESCRIPTION OF WORK.

MARK	LOAD	WATTS	VOLTAGE	BASIS OF DESIGN				ENCLOSURE	APPROVED MANUFACTURERS	ACCESS
				MFR	MODEL #	AMP	POLE			
PCI	LIGHTING	-	-	INTERMATIC	K4121C	15	1	NEMA 3R	TORX, KICHLER	1,2

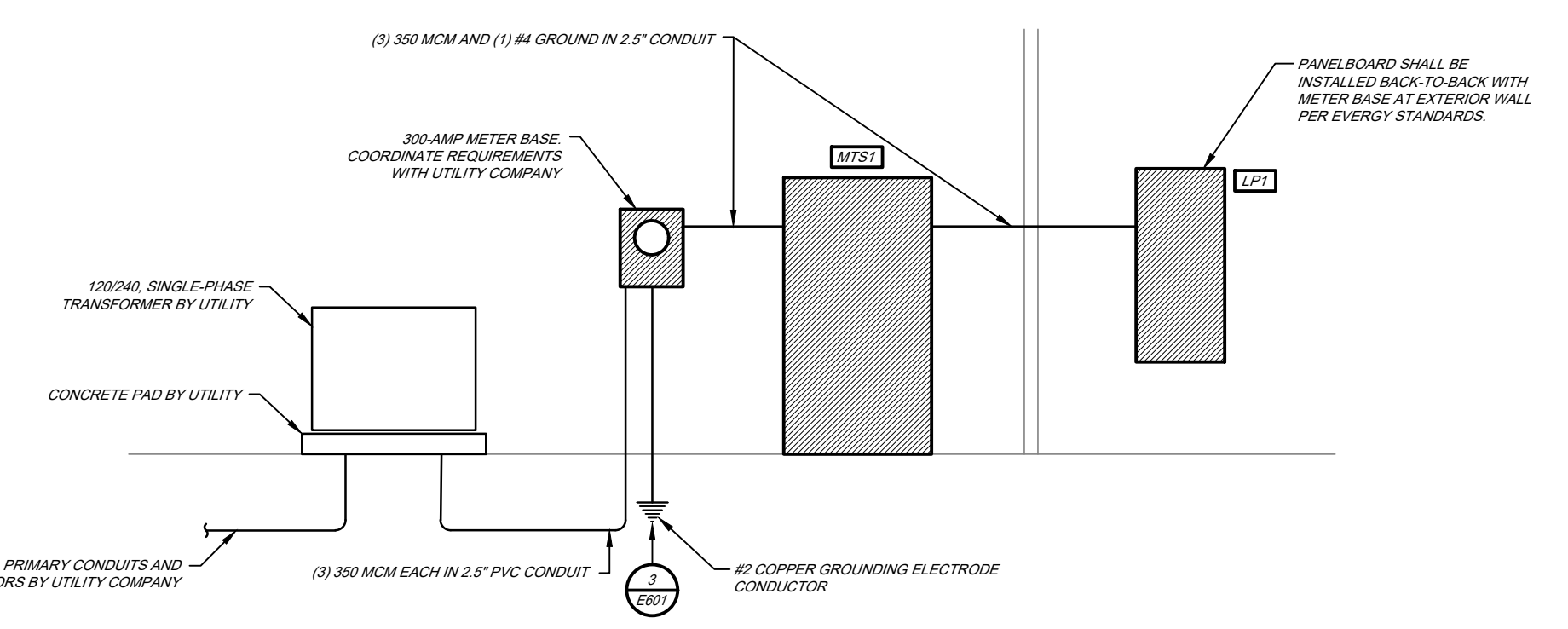
MARK	LOAD	SWITCH				OVERCURRENT PROTECTION				ENCLOSURE	NOTES & ACCESS	
		EQUIPMENT SERVED	VOLTAGE	DUTY	AMP	POLE	TYPE	MFR	MODEL			AMP
DS1	CONDENSING UNIT - CU1	240	GD	60	1	NF	--	--	--	--	3R	1
DS2	CONDENSING UNIT - CU2	240	GD	60	1	NF	--	--	--	--	3R	1
DS3	CONDENSING UNIT - CU3	240	GD	60	1	NF	--	--	--	--	3R	1
DS4	CONDENSING UNIT - CU4	240	GD	30	1	NF	--	--	--	--	3R	1

MARK	LOAD	BASIS OF DESIGN				SENSOR				INTERLOCK	ACCESS
		EQUIPMENT SERVED	VOLTAGE	MANUFACTURER	MODEL #	VOLTAGE	TYPE	TIME DELAY	MOUNTING		
OS1	RESTROOM LIGHTING	120	HUBBELL	DMND1500	24V	IR/US	AUTO	CEILING	-	1,2,4	
OS2	CORRIDOR LIGHTING	120	HUBBELL	DMND12000	24V	IR/US	AUTO	CEILING	-	1,2,4	

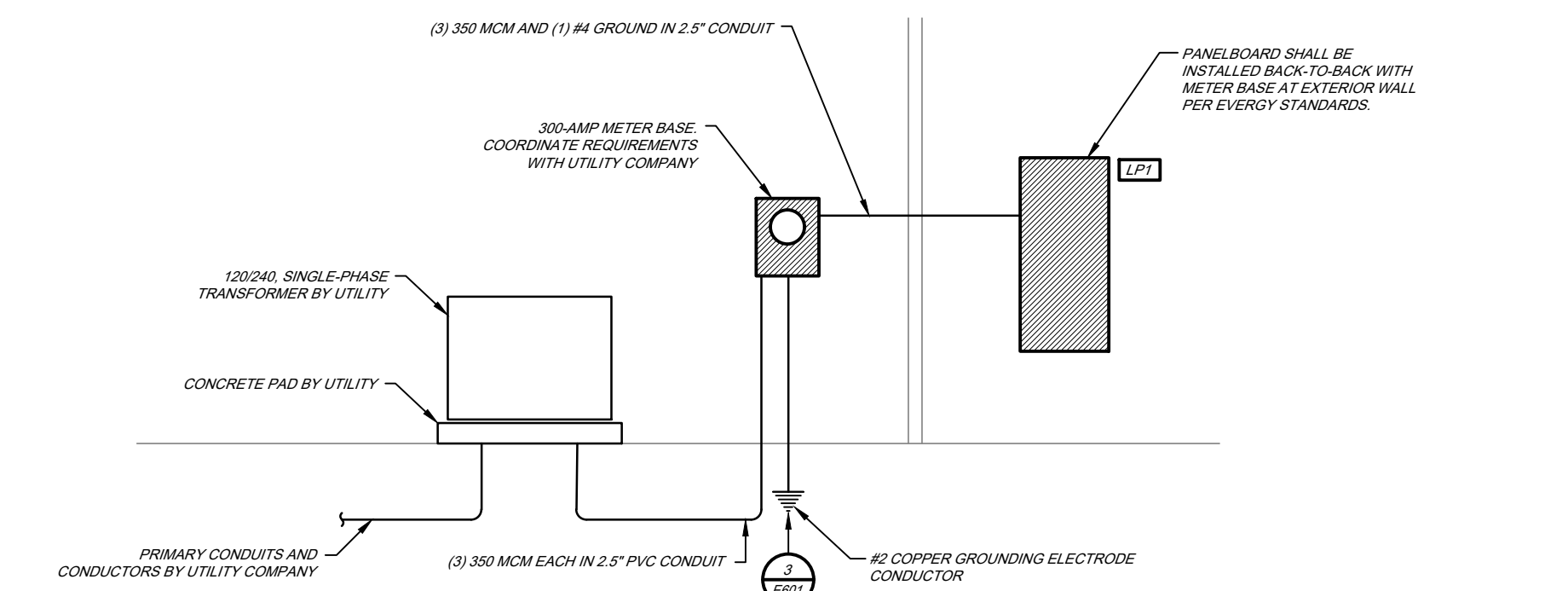
MARK	MANUFACTURER	SERIES / MODEL #	MATERIAL	COVER	SERVICE TYPE	MAX. KNOCKOUT OR HUB SIZE	APPROVED MANUFACTURERS	NOTES
FB1	HUBBELL	B2436	CAST IRON	S4325	CONCRETE FLOOR	1"	LEVITON, WIREMOLD	1,2



3 GROUNDING ELECTRODE DETAIL
NO SCALE



2 ALTERNATE NO. 2 ELECTRICAL RISER DIAGRAM
NO SCALE



1 BASE BID ELECTRICAL RISER DIAGRAM
NO SCALE

CIRC NO	EQUIPMENT SERVED	CB AMPS	CB Poles	CB ACC	LOAD (VA)	PHASE LOADS (VA)		CB ACC	CB Poles	CB AMPS	EQUIPMENT SERVED	CIRC NO
						A	B					
1	BARRACKS RECEPTACLES	20	1	-	1440	2880	1440	-	1	20	BARRACKS RECEPTACLES	2
3	BARRACKS RECEPTACLES	20	1	-	1440	2880	1440	-	1	20	BARRACKS RECEPTACLES	4
5	BARRACKS RECEPTACLES	20	1	-	1440	2880	1440	-	1	20	BARRACKS RECEPTACLES	6
7	BARRACKS RECEPTACLES	20	1	-	1440	2880	1440	-	1	20	BARRACKS RECEPTACLES	8
9	BARRACKS RECEPTACLES	20	1	-	1440	3240	1800	-	1	20	BARRACKS RECEPTACLES	10
11	BARRACKS RECEPTACLES	20	1	-	1260	2700	1440	-	1	20	BARRACKS RECEPTACLES	12
13	BATHROOM RECEPTACLES	20	1	-	900	2340	1440	-	1	20	BARRACKS RECEPTACLES	14
15	CORRIDOR/JANITOR RECEPTACLES	20	1	-	720	2160	1440	-	1	20	BARRACKS RECEPTACLES	16
17	BATHROOM RECEPTACLES	20	1	-	1080	2520	1440	-	1	20	BARRACKS RECEPTACLES	18
19	DRINKING FOUNTAIN RECEPTACLE	20	1	GFCI	500	1940	1440	-	1	20	BARRACKS RECEPTACLES	20
21	MECHANICAL RECEPTACLES	20	1	-	360	1540	1180	-	1	20	FAN EPI	22
23	VENDING MACHINE RECEPTACLE	20	1	-	500	1500	1000	-	1	20	ICE MACHINE	24
25	VENDING MACHINE RECEPTACLE	20	1	-	500	2228	1728	-	1	15	FURNACE F1	26
27	CONDENSING UNIT (CU1)	60	2	HACR	4702	6430	1728	-	1	15	FURNACE F2	28
29	"	60	2	HACR	4702	6430	1728	-	1	15	FURNACE F3	30
31	CONDENSING UNIT (CU2)	60	2	HACR	4702	6058	1358	-	1	15	FURNACE F4	32
33	"	60	2	HACR	4702	4802	100	-	1	20	WATER HEATER / PUMP	34
35	CONDENSING UNIT (CU3)	60	2	HACR	4702	5292	590	-	1	20	EXTERIOR LIGHTING	36
37	"	60	2	HACR	5312	610	610	-	1	20	INTERIOR LIGHTING	38
39	CONDENSING UNIT (CU4)	25	2	HACR	1592	2372	780	-	1	20	INTERIOR LIGHTING	40
41	"	25	2	HACR	1592	2282	690	-	1	20	INTERIOR LIGHTING	42
43	SPARE	20	1	-	0	580	580	-	1	20	INTERIOR LIGHTING	44
45	SPARE	20	1	-	0	0	0	-	1	20	SPARE	46
47	SPARE	20	1	-	0	0	0	-	1	20	SPARE	48
49	SPARE	20	1	-	0	0	0	-	1	20	SPARE	50
51	SPARE	20	1	-	0	0	0	-	1	20	SPARE	52
53	SPARE	20	1	-	0	0	0	-	1	20	SPARE	54

MARK	BASIS OF DESIGN	MANUFACTURER	MODEL #	FINISH	MOUNTING	LAMPS			VOLTAGE	APPROVED MANUFACTURERS	NOTES
						TYPE	CODE	QTY.			
CI	WILLIAMS	60R-TL-L10/840-DIM-UNV-SM-OF-CS-WET/CC		WHITE	RECESSED	LED	WITH FIXTURE	9	120	LITHONIA, COOPER IND.	1,2,3,7
PL1	LUMARK	PRV-C40-D-UNV-T4-BZ		ARCH	POLE	LED	WITH FIXTURE	145	120	LITHONIA, HUBBELL	1,2,4,9
S1	WILLIAMS	75R-8-L60/840-DRV-120		WHITE	SUSPENDED	LED	WITH FIXTURE	36	120	LITHONIA, COOPER IND.	7
T1	WILLIAMS	L724-L40/840-AF-DRV-120		WHITE	RECESSED	LED	WITH FIXTURE	32	120	LITHONIA, COOPER IND.	7,8
T1E	WILLIAMS	LT24-L40/840-AF-EM/12W-DRV-120		WHITE	RECESSED	LED	WITH FIXTURE	32	120	LITHONIA, COOPER IND.	5,7,8
W1	WILLIAMS	WPCS-L44/840-BZ-EM/GW-DIM-UNV		ARCH	WALL	LED	WITH FIXTURE	42	120	LITHONIA, COOPER IND.	1,2,9
X1	WILLIAMS	EXIT-R-EM-WHIT-D		WHITE	UNIVERSAL	LED	WITH FIXTURE	5	120	LITHONIA, COOPER IND.	6,7