



American Legion

08/12/2026



American Legion
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DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

G001 - LIST OF ABBREVIATIONS

LIST OF ABBREVIATIONS DESCRIPTION	
ACM - ASBESTOS CONTAINING MATERIAL	
ACT - ACOUSTICAL CEILING TILE	
ADA - AMERICANS W/IDISABILITIES ACT	
AFF - ABOVE FINISH FLOOR	
AHU - AIR HANDLING UNIT	
ALT - ALTERNATE	
AC - ALTERNATING CURRENT	
ALUM - ALUMINUM	
ACI - AMERICAN CONCRETE INSTITUTE	
AISC - AMERICAN INSTITUTE OF STEEL CONSTRUCTION	
ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE	
ASHRAE - AMERICAN SOCIETY OF HEATING REF. AND AIR CONDITIONING ENGINEERS	
ARCH - ARCHITECT	
A/E - ARCHITECT/ENGINEER	
ASI - ARCHITECTURAL SUPPLEMENTAL INSTRUCTION	
AWI - AMERICAN WOODWORKING INSTITUTE	
BM - BEAM	
BRG - BEARING	
BD - BOARD	
BOT - BOTTOM	
BTU - BRITISH THERMAL UNITS	
BLDG - BUILDING	
BUR - BUILT UP ROOFING	
CAB - CABINET	
CB - CATCH BASIN	
CPT - CARPET	
CSMT - CASEMENT	
CSWK - CASEWORK	
CIP - CAST IN PLACE	
CI - CAST IRON	
CLG - CEILING	
CT - CERAMIC TILE	
CO - CLEAN OUT	
CLR - CLEAR	
CONC - CONCRETE	
CMU - CONCRETE MASONRY UNIT	
CJ - CONTROL JOINT	
CG - CORNER GUARD	
CUH - CABINET UNIT HEATER	
DEMO - DEMOLITION	
DEPT - DEPARTMENT	
DTL - DETAIL	
DIAG - DIAGONAL	
DIA - DIAMETER	
DIM - DIMENSION	
DW - DISHWASHER	
DIST - DISTANCE	
DOC - DOCUMENT	
DR - DOOR	
DWG - DRAWING	
DF - DRINKING FOUNTAIN	
EA - EACH	
ELEC - ELECTRIC	
ELEV - ELEVATOR/ELEVATION	
EW - ELECTRIC WATER COOLER	
EQ - EQUAL	
EQU - EQUIPMENT	
EXIST - EXISTING	
EP - EPOXY PAINT	
EJ - EXPANSION JOINT	
EIFS - EXTERIOR INSULATION FINISH SYSTEM	
FIN - FINISH	
FLR - FLOOR	
FEC - FIRE EXTINGUISHER CABINET	
FHC - FIRE HOSE CABINET	
FD - FLOOR DRAIN	
FTG - FOOTING	
FF - FINISH FLOOR	
FFE - FURNITURE, FIXTURE, AND EQUIPMENT	
FND - FOUNDATION	
FWC - FABRIC WALL COVERING	
GC - GENERAL CONTRACTOR	
GALV - GALVANIZED	
GEN - GENERAL	
GL - GLASS/ GLAZING	
GWB - GYPSUM WALL BOARD	
HCP - HANDICAP	
HDW - HARDWARE	
HDWD - HARDWOOD	
HM - HOLLOW METAL	
HORZ - HORIZONTAL	
HT - HEIGHT	
HB - HOSE BIB	
INSUL - INSULATION	
IBC - INTERNATIONAL BUILDING CODE	
JAN - JANITOR	
LAM - LAMINATE	
LAV - LAVATORY	
MAS - MASONRY	
MB - MARKER BOARD	
MDF - MEDIUM DENSITY FIBERBOARD	
ML - MATCHLINE	
MTL STD - METAL STUD	
MTL - METAL	
MH - MANHOLE	
MECH - MECHANICAL	
NIC - NOT IN CONTRACT	

G001 - LIST OF ABBREVIATIONS

LIST OF ABBREVIATIONS DESCRIPTION	
NC - NON COMBUSTIBLE	
NOM - NOMINAL	
NTS - NOT TO SCALE	
OH - OVERHEAD	
OC - ON CENTER	
OFCI - OWNER FURNISHED CONTRACTOR INSTALLED	
OFOI - OWNER FURNISHED OWNER INSTALLED	
OSB - ORIENTED STRAND BOARD	
PT - PAINT	
PB - PARTICLE BOARD	
PC - PRECAST	
PLYWD - PLYWOOD	
PLAM - PLASTIC LAMINATE	
PLAST - PLASTER	
PTD - PAPER TOWEL DISPENSER	
PREV - PREVIOUS	
REINF - REINFORCEMENT	
REQD - REQUIRED	
REV - REVERSE	
RM - ROOM	
RO - ROUGH OPENING	
RAD - RADIUS	
RTU - ROOF TOP UNIT	
SD - SOAP DISPENSER	
SIM - SIMILAR	
SHT - SHEET	
SPEC - SPECIFICATIONS	
SECT - SECTION	
SD - SMOKE DETECTOR	
SQ - SQUARE	
SUSP - SUSPEND	
TC - THIN COAT	
TPD - TOILET PAPER DISPENSER	
TP - TOILET PARTITION	
TRTD - TREATED	
TS - TRANSITION STRIP	
TYP - TYPICAL	
TEMP - TEMPORARY/TEMPERATURE	
TO - TOP OF	
UL - UNDERWRITERS LABORATORIES	
UNO - UNLESS NOTED OTHERWISE	
VCT - VINYL COMPOSITION TILE	
WDW - WINDOW	
W - WITH	
WD - WOOD	
CPT-T - CARPET TILE	
QT - QUARRY TILE	
VB - VINYL BASE	
VWC - VINYL WALL COVERING	
SV - SHEET VINYL	
OTS - OPEN TO STRUCTURE	
CBB - CEMENT BACKER BOARD	
MIR - MIRROR	
BO - BY OWNER	
BRK - BRICK	
CMU-G - CONCRETE MASONRY UNIT (GLAZED)	
CMU-S - CONCRETE MASONRY UNIT (STANDARD 8"x8" SCORED)	
CMU-B - CONCRETE MASONRY UNIT (BURNISHED)	
CONC-S - SEALED CONCRETE	
PRF - PREFINISHED	
CS - CAST STONE	
EXP - EXPOSED	
FRP - FIBERGLASS REINFORCED PANEL	
PT-E - PAINT- EPOXY	
LVT - LUXURY VINYL TILE	
FRT - FRY REGLET REVEAL TRIM	
SDT - STATIC DISSIPATIVE TILE	
RSTR - RUBBER STAIR TREADS -RISERS	
SC - SPECIAL COATING -SEE SPECS	
OWB - OPERABLE WALL PANEL	
RB - RUBBER BASE	
WOM - WALK-OFF MAT	
SLT - SLATE	
SS - SOLID SURFACE	
ST - STONE	
SWU - SOUND-ABSORBING WALL UNIT	
STN - STAIN	
VP - VINYL PLANK FLOORING	
VT - VINYL TILE FLOORING	
WRS - WINDOW ROLLER SHADES	
CPT-AS - CARPET -ANT-STATIC	
CPT-ESD - CARPET -ELECTROSTATIC DISCHARGE	
MTLP - METAL PROFILE TRIM	
PWP - PREFINISHED WALL PANEL	
CTR - COUNTER	
TBWP - TRAFFIC BEARING WATER PROOFING	
RAF - RESILIENT RUBBER FLOORING	
GB - GRAB BAR	
EHD - ELECTRIC HAND DRYER	
WR - WASTE RECEPTACLE	
SND - SANITARY NAPKIN DISPOSAL	
SCD - SEAT COVER DISPENSER	
SNV - SANITARY NAPKIN VENDING MACHINE	
MBH - MOP/ BROOM HOLDER	
RH - ROBE HOOK	
BCS - BABY CHANGING STATION	
SCR - SHOWER CURTAIN ROD	
LVR - LOUVER	

G001 - GENERAL NOTES

- PROJECT GENERAL NOTES DESCRIPTION
- SEE SPECIFICATION DIVISION 00 AND 01 FOR GENERAL NOTES
 - VERIFY ALL PENETRATIONS THRU FOUNDATION W/APPROPRIATE TRADES.
 - CONTRACTOR SHALL VERIFY AND PROVIDE ANY ROUGH-IN CONSTRUCTION REQUIRED FOR OWNER-INSTALLED EQUIPMENT CALLED OUT IN DRAWINGS OR SPECIFICATIONS UNLESS OTHERWISE NOTED
 - ALL DIRECTIONAL REFERENCES IN DRAWINGS SHALL REFER TO PLAN NORTH.
 - ALL JOINTS & PENETRATIONS SHALL BE FIRE SAFED & FIRE SEALED AS REQUIRED TO COMPLY WITH APPLICABLE BUILDING CODES
 - KEYNOTES ARE USED TO ASSIST IN NOTING AND INDICATE REPETITIVE INSTANCES.
 - SUSPENDED CEILING HEIGHTS ARE DIMENSIONED FROM FINISHED FLOOR.

SYMBOLS LEGEND

	CENTER LINE		MATCHLINE REFERENCE		NORTH NORTH ARROW W/ TRUE NORTH
	DOOR TAG				
	KEYNOTE TAG		DEMO TAG / INTERIOR SIGNAGE		
	EXTERIOR MATERIAL TAG		View Name		DETAIL CALLOUT
	WALL TAG		DETAIL SECTION		WALL SECTION
	WINDOW TAG		BUILDING SECTION		
	SPOT ELEVATION TAG				
	LEVEL HEAD				
	HORIZONTAL ASSEMBLY TAG				
	REVISION TAG				
	ROOM TAG				
	ROOM TAG w/ AREA				
	ROOM TAG w/ AREA & OCCUPANT LOAD		FLOORING TRANSITION		
	ROOM TAG w/ ROOM FINISH INFO AT PLANS (NOT ALL MAY BE SHOWN)		ACCENT WALL FINISH LOCATION		
	ROOM TAG w/ CEILING FINISH INFO ONLY AT RCPs		CEILING TAG W/ FINISH OR ASSEMBLY INFO		

MATERIAL LEGEND

	ALUMINUM		RIGID INSULATION
	CONCRETE		SAND
	EARTH		SAND - DENSE
	GRAVEL		STEEL
	GYPSUM		WOOD - FINISHED CARPENTRY
	MASONRY - BRICK		WOOD - ROUGH CARPENTRY
	MASONRY - CMU		WOOD - PLYWOOD

DRAWING INDEX

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C-003	Civil Notes
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C-601	Existing Conditions & Removals Plan
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C-603	Grading & Erosion Control Plan
STRUCTURAL	
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S104	Shearwall Plan
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S302	Standard Foundation Details
S303	Foundation Details
S501	Framing Details
S502	Framing Details
S503	Framing Details
S504	Cold-Formed Framing Standards
ARCHITECTURAL DEMOLITION	
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A312	Wall Sections
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FOODSERVICE	
QF001	Foodservice Equipment Title Sheet
QF101	Foodservice Equipment Plan & Schedule
QF201	Foodservice Equipment Elevations - Bar
QF202	Foodservice Equipment Elevations
QF203	Foodservice Equipment Elevations - Kitchen
QF301	Foodservice Plumbing Rough-in Plan & Schedule
QF401	Foodservice Electrical Rough -in Plan & Schedule
QF501	Foodservice Special Conditions Plan
QF601	Foodservice Equipment Details
QF602	Foodservice Equipment Details
QF603	Foodservice Equipment Details - Walk-in
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E100	Lighting First Floor Plan
E200	Power First Floor Plan
E201	Electrical Roof Plan
E202	Panel Schedules
E203	Power Details
E300	Systems First Floor Plan
E301	Systems Details



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DRAWN BY: JLU/AN/BC

JN: 23-018

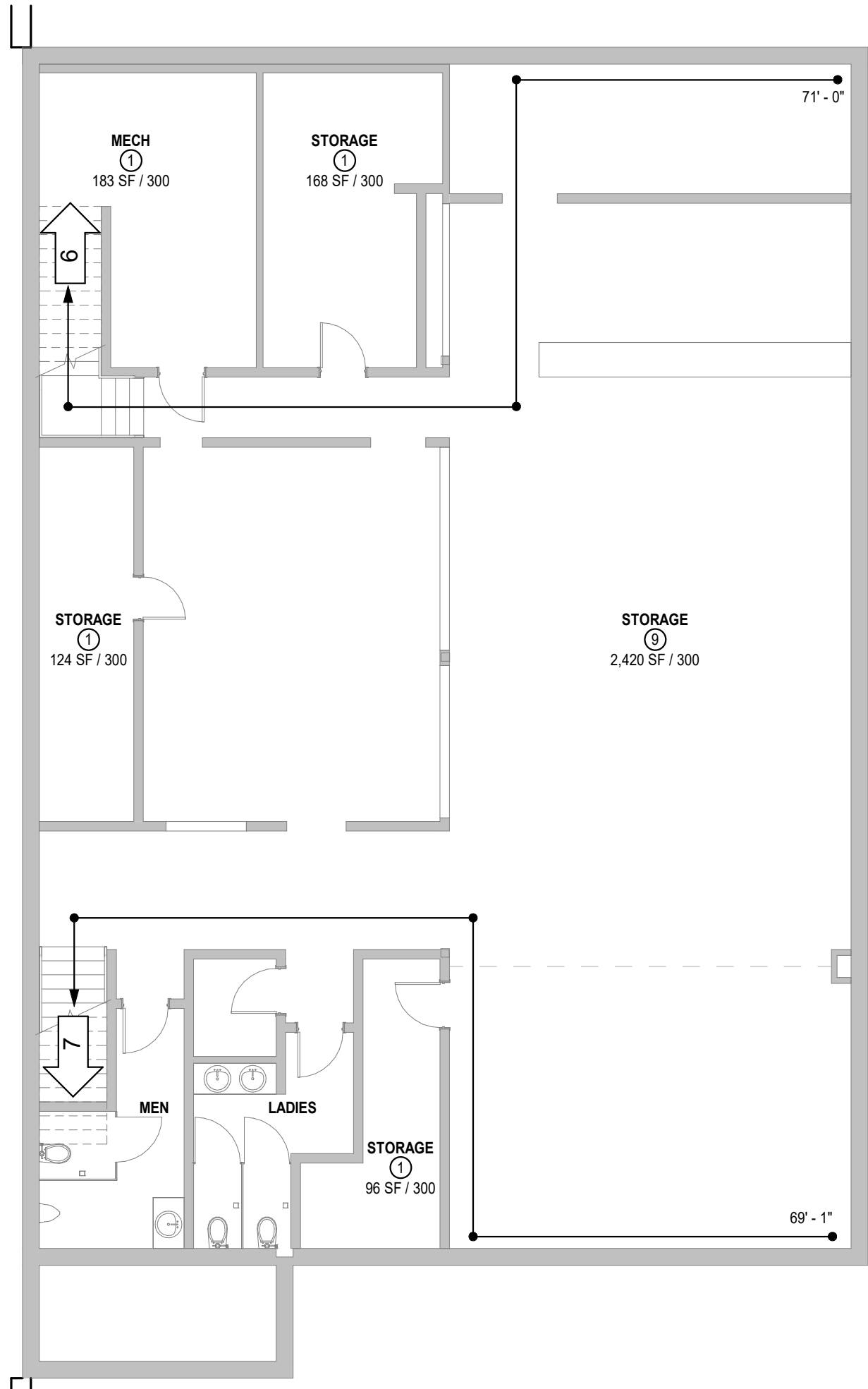
General Notes / Drawing
Index

SHEET

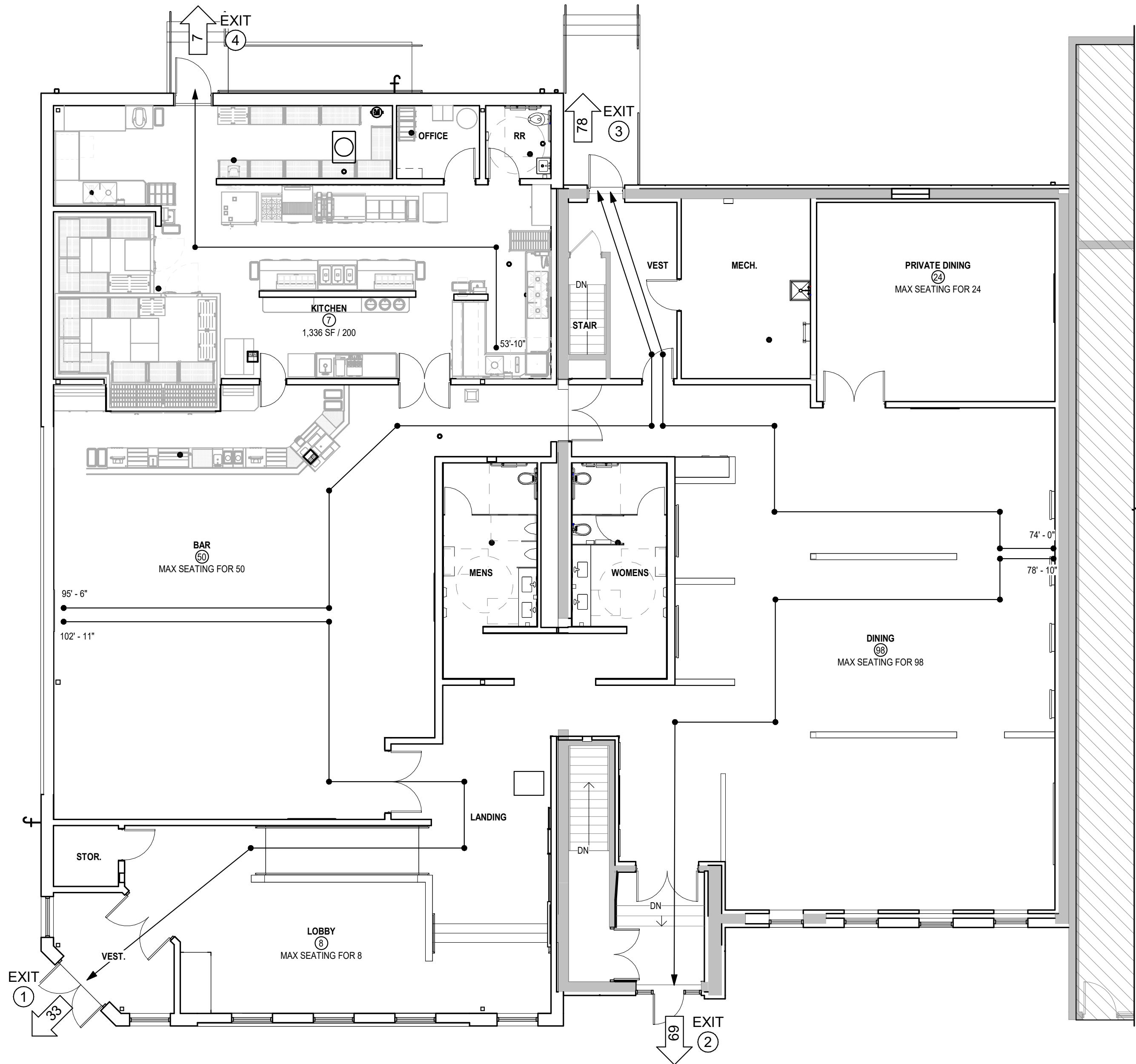
G001

Autodesk Docs: 022-018 American Legion - New Town, ND 23-018 American Legion - New Town, ND.rvt

8/12/2026 4:45:24 PM



1 G002 Basement Code Study Plan
1/8" = 1'-0"



2 G002 First Floor Code Study Plan
1/8" = 1'-0"

PARKING REQUIREMENTS

C-S-C ZONE - COMMERCIAL

SEC. 27-454

EXIT LEGEND

EXIT PATH

100' DISTANCE TO EXIT TRAVELED

TOTAL NUMBER OF OCCUPANTS EXITING 10

CODE STUDY -
2024 INTERNATIONAL BUILDING CODE
American Legion
New Town, ND

Item	Description	Code Section
Occupancy	A-2 Assembly	Chapter 3
Gross Square Footage	Lower Level = 3,600 (Not Accessible to Public) 1st Floor = 8,351 Total = 11,951	See Plan
Constr. Type	VB Construction	602.5
General Building Heights And Areas	Group A-2 = Max 60 ft in height above grade plane 2 Stories above Grade Plane 24,000 sf Allowable Area, Sprinklered	Table 504.3 Table 504.4 Table 506.2
Fire Resistance Rating Requirement For Building Elements (In Hours)	Type VB 0 Hour for Primary Structural Framing 0 Hour for Interior and Exterior Bearing Walls 0 Hour for Floor Construction 0 Hour for Roof Construction	Table 601
Fire Walls	None Required	706
Fire Barriers / Shaft Enclosures	None Required	707 713.4 1023.2 713.13.3 Table 508.4
Fire Partitions	None Required	708 Table 1020.1 708.3 420.2
Automatic Sprinkler System	Required Minimum = NFPA-13	420.5 903.2.8
Manual Fire Alarm	Not Required with NFPA-13 Sprinkler System Notification appliances will activate upon sprinkler waterflow At least one manual fire alarm box is installed at an approved location	907.2.8.1
Automatic Smoke Detection System	None Required	907.2.8.2
Smoke Alarms	None Required	907.2.11.1
Occupancy Density Per Space	See Code Study Plan for Occupancies of Specific Areas of Building	Table 1004.1.1
Exit Access Travel Distance	250 Feet with NFPA 13 Sprinkler System	Table 1017.2

EXIT DATA				
1st Floor Occupancy Load = 293				
Exit No.	Occupant Load	Exit Width Per Occupant Served	Total Required Width of Exit	Actual Width
1	33	.2	6.6"	64"
2	69	.2	13.8"	32"
3	78	.2	15.6"	40"
4	7	.2	1.4"	40"
Lower Floor Occupancy Load = 13				
1	7	.3	2.1"	48"
2	6	.3	1.8"	44"

OCCUPANCY: ASSEMBLY - A-2 RESTAURANT		OCCUPANTS: 130		(65 MALE 65 FEMALE)	
	WATER CLOSET 1 PER 75	LAVATORIES 1 PER 200		OTHER	
	MALE	FEMALE	MALE	FEMALE	
REQUIRED:	0.87	0.87	0.33	0.33	1 SERVICE SINK
PROVIDED:	1	1	1	1	

OCCUPANCY: ASSEMBLY - A-4 BAR, TAVERN		OCCUPANTS: 60		(25 MALE 35 FEMALE)	
	WATER CLOSET 1 PER 40	LAVATORIES 1 PER 75		OTHER	
	MALE	FEMALE	MALE	FEMALE	
REQUIRED:	0.63	0.63	0.33	0.33	1 SERVICE SINK
PROVIDED:	1	1	1	1	

TOTALS					
REQUIRED:	1.49	1.49	0.66	0.66	1 SERVICE SINK
PROVIDED:	3	2	2	2	1

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Code Study

SHEET

G002



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DRAWN BY: RA/JF

JN: 31025

CIVIL LEGEND & NOTES

SHEET

C-001

CIVIL LEGEND

EXISTING

BENCHMARK

IRON MONUMENT FOUND

EXISTING PROPERTY LINE

EXISTING PLAT LOT LINE

EXISTING RIGHT OF WAY LINE

EXISTING EASEMENT LINE

EXISTING PLAT EASEMENT LINE

EXISTING GAS LINE MARKER

EXISTING GAS GATE VALVE

EXISTING POWER POLE

EXISTING LIGHT POLE

EXISTING LIGHT POLE W/ SIGN

EXISTING GUY WIRE

EXISTING TRAFFIC SIGNAL ARM

EXISTING SIGN

EXISTING CULVERT W/ FLARED END SECTION (FES)

EXISTING FLARED END SECTION (FES)

EXISTING CURB STOP

EXISTING HYDRANT W/ GATE VALVE

EXISTING GATE VALVE

EXISTING PROPANE TANK

EXISTING SANITARY SEWER MANHOLE

EXISTING SANITARY SEWER CLEANOUT

EXISTING STORM SEWER CATCH BASIN

EXISTING STORM SEWER MANHOLE

EXISTING WATER MAIN

EXISTING WATER SERVICE W/ CURB STOP

EXISTING SANITARY SEWER

EXISTING SANITARY FORCEMAIN

EXISTING SANITARY SEWER SERVICE

EXISTING STORM SEWER

EXISTING STORM SEWER FORCEMAIN

EXISTING STEAM PIPE

EXISTING AIR CONDITIONER

EXISTING UTILITY PEDESTAL

EXISTING UTILITY MANHOLE

EXISTING UTILITY VAULT

EXISTING UNDERGROUND COMMUNICATIONS

EXISTING UNDERGROUND FIBER

EXISTING UNDERGROUND TELEPHONE

EXISTING OVERHEAD TELEPHONE

EXISTING UNDERGROUND TELEVISION

EXISTING OVERHEAD TELEVISION

EXISTING UNDERGROUND GAS

EXISTING UNDERGROUND ELECTRIC

EXISTING OVERHEAD POWER

EXISTING BARBED WIRE FENCE

EXISTING CHAIN LINK OR FIBER FENCE

EXISTING PVC OR WOOD FENCE

EXISTING RAILROAD

EXISTING SHRUB

EXISTING STUMP

EXISTING BOLLARD

EXISTING TREE / TREE CLUSTER

EXISTING SPRINKLER HEAD

EXISTING CLUSTER BOX UNIT (CBU)

EXISTING MAILBOX

EXISTING CURB AND GUTTER LEVELING

EXISTING CURB AND GUTTER LEVELING

PROPOSED

NEW PROPERTY LINE

NEW PLAT LOT LINE

NEW RIGHT OF WAY LINE

NEW EASEMENT LINE

NEW PLAT EASEMENT LINE

CONSTRUCTION EASEMENT

CONSTRUCTION LIMITS

NEW LIGHT POLE

NEW LIGHT POLE W/ SIGN

NEW GUY WIRE

NEW SIGN

TRAFFIC CONTROL - DRUM

TRAFFIC CONTROL - TUBULAR MARKER

NEW CULVERT W/ FLARED END SECTION (FES)

NEW FLARED END SECTION (FES)

NEW CURB STOP

NEW HYDRANT W/ GATE VALVE

NEW GATE VALVE

NEW TAPPING SLEEVE

NEW FITTINGS

NEW PLUS

NEW SANITARY SEWER MANHOLE

NEW SANITARY SEWER CLEANOUT

NEW STORM SEWER CATCH BASIN

NEW STORM SEWER MANHOLE

NEW WATER MAIN

NEW WATER MAIN (DIRECTIONAL, DRILLED, OR BURIED)

NEW WATER SERVICE W/ CURB STOP (S.S. ELEV.)

NEW SANITARY SEWER

NEW SANITARY SEWER (DIRECTIONAL, DRILLED OR CAGED)

NEW CURED IN PLACE PIPE (CIPP)

NEW SANITARY FORCEMAIN

NEW SANITARY SEWER SERVICE (S.S. ELEV.)

NEW STORM SEWER

NEW STORM SEWER (DIRECTIONAL, DRILLED OR CAGED)

NEW STORM SEWER FORCEMAIN

NEW STEAM PIPE

INSULATION DETAIL

NEW BARBED WIRE FENCE

NEW CHAIN LINK/STEEL FENCE

NEW PVC/WOOD FENCE

NEW CLUSTER BOX UNIT (CBU)

NEW MAILBOX

NEW LARGE DECIDUOUS TREE

NEW SMALL DECIDUOUS TREE

NEW SHRUB

NEW LARGE EVERGREEN TREE

NEW SMALL EVERGREEN TREE

REMOVALS

INDICATES REMOVAL

REMOVE CURB AND GUTTER

REMOVE ASPHALT PAVEMENT

REMOVE CONCRETE PAVEMENT

REMOVE AGGREGATE SURFACE

PAVEMENT REPAIR

UNIFORM MILL & OVERLAY

TAPERED MILL & OVERLAY

LOCAL COURSE

RECLAM

ASPHALT PATCH

CHIP SEAL

PAVEMENT

NEW INLET/LOW CURB AND GUTTER

NEW OUTFLOW CURB AND GUTTER

NEW ASPHALT SURFACE

NEW CONCRETE SURFACE

NEW GRANULAR SURFACE

NEW CRUSHED CONCRETE SURFACE

NEW DECORATIVE COLORED CONCRETE

NEW ASPHALT SIDEWALK OR MULTI-USE PATH

NEW CONCRETE SIDEWALK OR MULTI-USE PATH

NEW CONCRETE APPROACH OR DRIVEWAY

NEW DETECTABLE WARNING PANEL

NEW GRAVEL APPROACH OR DRIVEWAY

NEW CONCRETE VALLEY GUTTER

NEW MEDIAN NOSE APRON

NEW ADA RAMP W/ WARNING PANEL

SOIL DISTURBANCE

DISTURBANCE AREA / TOPSOIL REMOVAL

REMOVE STOCKPILE

EXISTING STOCKPILE

TEMPORARY STOCKPILE

PERMANENT STOCKPILE

REAR YARD GRADING

GRASS BUFFER STRIP

SOIL STABILIZATION

DISTURBED SOIL STABILIZATION

STRAW MULCH

SEEDING & STRAW MULCH

SEEDING & HYDRO MULCH

TOPSOIL, SEEDING & STRAW MULCH

TOPSOIL, SEEDING & HYDRO MULCH

TOPSOIL, SEEDING & BLANKET

MISCELLANEOUS

EXISTING RR RAMP

NEW RR RAMP

EXISTING LANDSCAPING AREA

NEW LANDSCAPING AREA

EXISTING WATER SURFACE

NEW WATER SURFACE

EXISTING WETLAND

EROSION CONTROL

DRAINAGE SWATH LINE

EXISTING DRAINAGE DIRECTION

FINISHED DRAINAGE DIRECTION & SLOPE

FINISHED GRADE

EXISTING CONTOUR ELEVATION

FINISHED CONTOUR ELEVATION

GRADE ELEVATIONS

SEEDIMENTATION CONTROL, WATTLE

SEEDIMENTATION CONTROL FENCE

ROCK CHECK

STABILIZED CONSTRUCTION ENTRANCE

CONCRETE WASHOUT

INLET PROTECTION DEVICE

ABBREVIATIONS

BOW = BACK OF WALK

C = COMMUNICATION

CBF = STORM SEWER CATCH BASIN

CIPF = CURED IN PLACE PIPE

CL = CENTERLINE

S.S. ELEV = STORM BOX ELEVATION

CSF = CORRUGATED STEEL PIPE

COP = SANITARY SEWER CLEANOUT

CSF = CONTROL STRUCTURE

DIA = DIAMETER

DP = DUCTILE IRON PIPE

E = ELECTRICAL

ECC = EDGE OF CRUSHED CONCRETE

EG = EXISTING GRADE

EDC = EDGE OF CONCRETE

EDG = EDGE OF GRAVEL

EDP = EDGE OF PAVEMENT

EDW = EDGE OF WALK

EX = EXISTING

F = FIBER OPTIC

FES = FLARED END SECTION

FG = FINISHED GRADE

FL = FLOORLINE

FM = FORCEMAIN

S = GAS LINE

HP = HIGH POINT

INV = INVERT

LP = LOW POINT

MA = MATCH

MM = STORM SEWER MANHOLE

MTF = STORM SEWER TEE MANHOLE

MMF = STORM SEWER MULTIMANHOLE

MC = MIDPOINT OF CURVE

CIPF = OVERHEAD POWER

OHT = OVERHEAD TELEPHONE

OHTV = OVERHEAD TELEVISION

PC = POINT OF CURVATURE

PRC = POINT OF REVERSE CURVE

PVC = POLYVINYL CHLORIDE PIPE

PT = POINT OF TANGENCY

RM = RM OF STRUCTURE

RP = RM OF SANITARY SEWER MANHOLE

S.S. ELEV = STOP BOX ELEVATION

SS = SANITARY SEWER

ST = STORM SEWER

STA = ALIGNMENT STATION

T = TELEPHONE

TCC = TOP OF CONCRETE

TOP = TOP OF PAVEMENT

TOP = TOP OF PIPE

TOW = TOP OF WALK

TRF = SANITARY TELEVISION RISER

TRANS = TRANSFORMER

TV = TELEVISION

U = UTILITY (UNKNOWN UTILITY)

GENERAL NOTES:

GE-1 STANDARD SPECIFICATIONS: All construction activities to be in accordance to the current edition of standards listed below in note GE-4.

GE-2 TYPICAL DETAILS: See the Typical Details for all construction activities not mentioned in the standard plan notes.

GE-3 DIMENSIONS: All utility dimensions are to property line, center of pipe, center of structure, or back of curb unless noted. All site dimensions are to property line, back of curb, edge of walk, back of walk, and centerline of stripe unless noted. Dimensions shown on buildings are to the outermost (major) walls of buildings. For door and stoop locations and exact floor plan see Structural plans.

GE-4 CURRENT EDITIONS: Any ASTM, ACI, CRSI, NDDOT, MUTCD, Plumbing Code, etc. standards, designations, specifications, etc. or the like shall reference the current editions of such.

GE-5 INVESTIGATE: All on-site conditions, such as surface grades, utility locations, typical service line locations, subsurface conditions, etc., and contact Owner if conditions are different then what is represented.

GE-6 PRECAUTIONS: Take the necessary precautions required to protect adjacent properties during the construction operations and be responsible to repair any damage within the right-of-way caused by development of the site.

GE-7 VERIFY: With Mechanical/Architect the final location, size, and invert of all building utilities (i.e. storm sewer, sanitary sewer services, and water services).

GE-8 REMOVALS: Unless specifically noted, all removed materials, any debris encountered, and items not needed to be reused to complete the project shall become property of the Contractor for removal and disposal off of the Owner's property. Coordinate with Owner for reuse of salvaged materials, if any.

GE-9 EXISTING UTILITY LOCATES: Prior to digging, call "North Dakota One Call" (1-800-795-0555).

GE-10 WORK WITHIN CITY RIGHT-OF-WAY AND EASEMENTS:

- The Contractor shall be responsible for any excavation within the right-of-way and maintaining the roadway until permanent repairs can be made.
- Removals: Within City right-of-way that are noted for replacement shall be replaced within the time period required by the City or within 1 week of time of removal, whichever is less.
- Is subject to inspection by the City and may require permits to be obtained from the City prior to beginning work.
- Any work on existing City-owned utilities shall require notification to the City and Public Works department prior to commencing work.
- Excavation or other work in the right-of-way shall require a Traffic Control Plan that meets all MUTCD requirements.

GE-11 TEMPORARY TRAFFIC CONTROL: Shall conform to the current edition of the MUTCD for all devices (types, materials, sizes, and colors), methods, and measures used. All custom signs shall be construction orange with black border and lettering unless noted.

GE-12 TRAFFIC CONTROL PLAN:

- Devices shall be maintained throughout the winter. Devices may need to be relocated, raised, cleared of snow, etc.
- Barricades shown on roadway shall be on a skid mounted (i.e. moveable) assembly.
- Sign on barricade shall be mounted with the sign bottom on the top of the top barricade bar.
- Sign on roadway shall be on a skid mounted (i.e. moveable) assembly.
- Portable sign supports may be used in lieu of post mounted signs. Portable sign supports shall be placed on the shoulder, on the boulevard, or outside of the traveled lane where they do not pose a hazard to traffic.
- Drums shall be placed along the shoulder when equipment, workers, materials, etc. will be within 5' of the shoulder.

GE-13 DETOUR:

- 1 week notice shall be provided to the City prior to incorporating detour to allow for notifying city officials, residents, emergency services, and the media.
- Remove from site, lay down, or bag detour signs immediately upon ending detour.

EXISTING CONDITIONS - REMOVALS & ABANDONMENTS:

RE-3 STRUCTURE REMOVALS: Shall conform to removing the existing structure and backfilling the trench. Remove all materials indicated on plans and disposing all materials removed, but not incorporated into the Work, in accordance with all applicable federal, state or local regulations.

RE-7 PAVEMENT REMOVALS: Shall conform to removing bituminous and concrete pavement to a joint or create a smooth vertical plane along the entire length of the remaining surface. Remove all materials indicated on plans and disposing all materials removed, but not incorporated into the Work, in accordance with all applicable federal, state or local regulations.

UTILITY PLAN NOTES - SANITARY SEWER:

SS-1 SANITARY SEWER PIPING: Shall conform to these features:

- Polyvinyl Chloride (PVC) Pipe:
 - Pipe: Material shall comply with ASTM D3034
 - Type:

- Main: SDR 35 or SDR 26 as shown on the plans
 - Services: SDR 26 or as shown on the plans
- End Connections:
 - Bell-and-spigot style
 - Rubber-ring-sealed gasket joint
 - Fittings:
 - Material: PVC; shall comply with ASTM D3034 and F1336.
 - Joints:
 - Elastomeric gaskets.
 - Shall comply with ASTM F477
 - Install per manufacturer's recommendations. Comply with ASTM D2321 for installation and seal joints watertight.

SS-2 SANITARY SEWER FLEXIBLE COUPLINGS: Shall conform to the following features:

- Shall comply with ASTM C1173
- Material shall be resilient, chemical resistant, elastomeric PVC.
- Gasket: Shall be one piece molded-in bushing gasket.
- Clamps: Attachment with 2 series-300 stainless steel clamps, screws, and housings.
- Shear Ring: Minimum of 0.012 inch thick and 300 series stainless steel.
- Dissimilar Sizes: Use "step-down" or Approved Equal.

SS-7 SANITARY SEWER PIPE BEDDING AND ENCASEMENT MATERIALS: Shall conform to the following sieve analysis:

Sieve Size or Testing Method	Percent Passing or Testing Requirement
1 inch	100
3/4 inch	80-100
No. 4	35-85
No. 30	20-50
No. 200	4-10
ND T 113, Shale (max %)	12.0%

SS-8 SANITARY SEWER BACKFILLING: Shall conform to suitable existing trench materials, except as otherwise specified in the plans. Suitable material shall be defined as soil free of foreign materials (rubbish, organics, and debris), frozen clumps, oversize stone, rock, concrete or bituminous chunks, and other unsuitable materials that may damage the pipe, prevent thorough compaction, or increase the risks of settlement.

UTILITY PLAN NOTES - WATER MAIN:

WM-1 TAPPING SLEEVES AND VALVES: Shall conform to the latest revision of AWWA C509. Tapping sleeves shall be stainless steel with a stainless steel flange. Tapping sleeve gaskets shall provide sealing across the full pipe circumference and the full area of the sleeve. Bolts and nuts shall be 304 stainless steel. All tapping sleeves shall be wrapped in 8 mil polyethylene plastic to encapsulate the valve. these features:

- Manufactured by Romac Industries, Powerseal, or Ford.
 - SST Stainless Steel Tapping Sleeve
 - 662 Stainless Steel Tapping Sleeve
- In accordance to the latest revision of AWWA C509 gate valves shall be resilient-seated with non-rising stem. Inlet flanges shall conform to ANSI B16.1, Class 125 and MSS SP-60 and mechanical joint outlets shall conform to AWWA C111 and marked with manufacturer's name and pressure rating on valve box.

WM-2 WATER MAIN PIPING:

- Polyvinyl Chloride (PVC) Pipe:
 - Pipe: Material shall comply with AWWA C900 Class 165
 - Material: Cell classification 12454
- Joints:
 - Comply with ASTM D3139 and F477
 - Seals: PVC flexible elastomeric.
 - Solvent-cement couplings are not permitted.
- Installation:
 - Per manufacturer's recommendations and comply with AWWA C600, C605, C606, C206.
- Ductile-Iron Pipe (DIP):
 - Pipe: Material shall comply with AWWA C151 and be Class 54.
 - Material: Ductile Iron
- Joints:
 - Type: Mechanical joints.
 - Comply with AWWA C111
- Bituminous Outside Coating: Comply with AWWA C151
- Pipe Mortar Lining:
 - Comply with AWWA C104



American Legion

352 Main St.
New Town, ND 58763

STRUCTURAL

ICON ARCHITECTURAL GROUP
222 EAST MAIN STREET, SUITE B
MANDAN, ND 58554
(701) 751.0430 OFFICE

MECHANICAL

PRAIRIE ENGINEERING
1905 17TH ST SE
MINOT, ND 58701
(701) 852.6363 OFFICE

ELECTRICAL

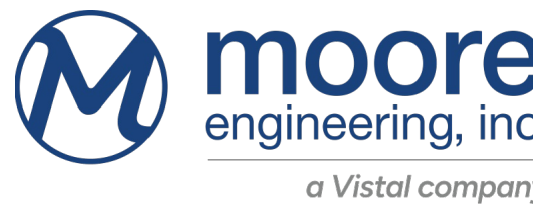
PRAIRIE ENGINEERING
1905 17TH ST SE
MINOT, ND 58701
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CIVIL

MOORE ENGINEERING
1411 W DAKOTA PKWY SUITE 1B
WILLISTON, ND 58801
(701) 212.3937 OFFICE

FOODSERVICE

FOODSERVICE CONCEPT DESIGN
7900 INTERNATIONAL DRIVE
SUITE 300 -7043
BLOOMINGTON, MN 55425
(612) 325.1494 OFFICE



DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

DRAWN BY: RA/JF

JN: 31025

CIVIL NOTES

SHEET

C-002

- ii. Thickness: Double.
- f. PE Encasement: Comply with AWWA C105
- g. Installation:
 - i. Per manufacturer's recommendations and comply with AWWA C600, C605, C606, C206.

WM-4 WATER MAIN FITTINGS AND COUPLINGS:

- A. Non-Restrained Fittings:
 - a. Material: Ductile-iron and shall comply with AWWA C110.
 - b. Compact Fittings: Comply with AWWA C153
 - c. Coating and Lining:
 - i. Bituminous Coating: Comply with AWWA C110
 - ii. Cement-Mortar Lining: Comply with AWWA C104; double thickness
 - d. Joints:
 - i. Type: Mechanical joints. Shall comply with AWWA C111
 - e. Jackets: PE; comply with AWWA C105
 - f. Install per manufacturer's recommendations.
- B. Non-Restrained Couplings:
 - a. Manufacturers:
 - i. Macro HP by Romac Industries, Inc. (Sizes 2' to 12")
 - ii. Hymax2 by Krausz USA (Sizes 4" to 12")
 - iii. Hymax HLD by Krausz USA (Sizes greater than 12")
 - iv. Approved Equal.
 - b. Description:
 - i. Two bolt wide-range coupling
 - ii. Compatible with PVC, DIP, and ACP.
 - iii. Fusion bonded epoxy coating.
 - iv. Grade C Steel or Ductile Iron
 - v. Stainless steel bolts, nuts, and washers
 - a. Install per manufacturer's recommendations.
- C. Mechanically Restrained Joints - Fittings and Couplings:
 - a. Manufacturer:
 - i. Tees, Caps, and Couplings: Romac Industries, Inc. or approved equal.
 - 1. Tee: Alpha Tee
 - 2. Cap: Alpha EC
 - 3. Coupling: Alpha
 - ii. Bends and Valves: Megalug by EBBA Iron, Inc., One-Lok by Sigma, or approved Equal
 - b. Design:
 - i. Consist of multiple gripping wedges incorporated into a follower gland meeting the applicable requirements of ASNI/AWWA C110/A21.10 for nominal pipe sizes 3 inch through 36 inch.
 - ii. Include a minimum safety factor of 2:1 in all sizes for rating for water pressure.
 - c. Material: Shall be cast from grades 65-45-12 ductile iron material in accordance with ASTM A536 for gland body, wedges and wedge actuating components.
 - d. Coating:
 - i. Consist of a minimum of two coats of liquid thermoset epoxy coating with heat cure to follow each coat.
 - ii. Surface pretreated wit h a phosphate wash, rinse, and sealer before drying.
 - iii. Electrostatically applied and heat cured.
 - iv. Polyester based power to provide corrosion, impact, and UV resistance.
 - e. Approvals:
 - i. Listed by Underwriters Laboratories for sizes 4 inches through 12 inches.
 - ii. Factory Mutual Approved for 4 inches through 12 inches.
 - iii. Meet or exceed the requirements of ASTM F1674 of the latest version for Mechanical Joint Restraints for 4 inches through 24 inches.
 - f. Install per manufacturer's recommendations and AWWA C600.
- D. Tied Restrained Joint:
 - a. Bolts:
 - i. Mechanical and Flanged-Joints on 4" to 12" pipe:
 - 1. Shall be ¾" and comply with ASTM A588/A588M, Grade B, ASTM A325 Type 3 except increase tensile strength of full-body threaded section to 40,000 lb. minimum for 5/8 inch and 60,000 lb. minimum for ¾ inch by heat-treating (quenching and tempering) to manufacturer's reheat and hardness specifications.
 - ii. Bends and Valves: Megalug by EBBA Iron, Inc., One-Lok by Sigma, or approved Equal
 - b. Nuts: Shall be a hex nut for each tie bold and tie rod

- c. Rods: Shall be continuous-threaded rod for curring to desired lengths and Type 304 stainless steel.
- d. Washers: Shall be round, flat washers and Type 304 stainless steel.
- e. Install per manufacturer's recommendations and AWWA C600.
- E. Fittings for PVC water main 4" through 8" can be PVC fittings in accordance with AWWA C907 as manufactured by Ipx. All PVC fittings shall be blue in color and be UL listed and FM approved.

WM-5 POLY WRAP: Shall conform to being applied to ductile iron fittings, restraint devices, gate valves, valve boxes, buried section of hydrants, transition couplings, and/or other devices that contain metal according to the latest revision of AWWA C105. an 8-mil minimum thickness. The seams shall be taped with 2" wide 10 or 12 mil tape.

WM-6 WATER MAIN INSULATION: Shall conform to being rigid extruded polystyrene insulation board and have a minimum compressive strength of 40 psi. The insulation material shall be furnished in panels 2 inches thick and shall be laid over top of each other to form a 4 inch layer of insulation. Joints between panels from the bottom layer to the top layer shall be offset. Approved insulation types are Dow STYROFOAM HIGHLANDTM/ 40, UG-2, or approved equal.

WM-8 GATE VALVES AND BOXES:

- A. Shall conform to ductile iron resilient wedge valves in accordance with AWWA C515. All valves shall be epoxy coated inside and out. All valves shall open when the operating stem is rotated counter clockwise. The valve shall be equipped with a 2" operating nut with the direction of opening cast in the nut. All exterior bolts and nuts shall be 304 stainless steel. All valves shall be wrapped in 8 mil polyethylene plastic to encapsulate the valve. Acceptable manufacturers are: American Flow Control, Waterous, Mueller and Clow. Valve boxes shall be two piece Tyler 6850 Series with a separate base adjustable to the depth of cover as shown on the plans plus 6". The valve box lid shall be labeled "WATER". All valve boxes shall be adjusted to finished grade, these features:
 - a. Gate valves 4" through 12" shall be ductile iron resilient wedge valves in accordance with the latest version of AWWA C515.
 - b. All valves shall be coated inside and out in accordance to the latest version of AWWA C550.
 - c. Valves seats shall be able to withstand 200 psi and the body shall withstand 400 psi.
 - d. Gaskets shall be rubber.
 - e. All valves shall open when the operating stem is rotated counter clockwise.
 - f. The valve shall be equipped with a 2" operating nut with the direction of opening cast in the nut.
 - g. All exterior bolts and nuts shall be 304 stainless steel.
 - h. The stem shall be made of bronze and shall use O-ring type stem seals.
 - i. All valves shall be wrapped in 8 mil polyethylene plastic to encapsulate the valve.
 - j. Acceptable manufacturers are: American Flow Control, Clow Valve Co., Mueller Co., U.S. Pipe, Waterous, Star Pipe Products, or approved equal.
 - k. Valve boxes shall be made of cast-iron in accordance with the latest revision of ASTM A48 Class 30B material with a minimum tensile strength of 30,000 psi, have screw-type adjustments, be of the three-piece, 5 1/4" shaft, size F or G, and be furnished with cast iron bonnets and covers. The valve box shall be suitable for a depth of cover as specified. Valve box adapters shall be installed for all valve boxes.
 - l. Drop lids shall be marked "Water" and be American-made.
 - m. Valve boxes and adapters shall be wrapped in 8 mil polyethylene plastic to encapsulate the valve box and adapter.
 - n. Acceptable valve box manufacturers include Tyler 6860/668S, Star heavy-duty series boxes, or approved equal.
 - o. Acceptable valve box adapters are Valve Box Adaptor II (Adaptor, Inc.) or approved equal.
 - B. All valve boxes shall be brought to finished grade. Those in asphalt pavement shall be done prior to final lift of asphalt and be no lower than 1/2" below the final elevation of asphalt wear course. Those in concrete pavement, driveways, sidewalks, paths, etc. shall be done prior to concrete placement.

WM-11 WATER SERVICES:

- A. Larger Than 2": Shall conform to PVC and comply with all requirements of AWWA C900 DR18 Class 150 and have gasketed joints in compliance with ASTM 3139.

WM-15 WATER MAIN PIPE BEDDING AND ENCASEMENT MATERIALS: Shall conform to the following sieve analysis:

Sieve Size or Testing Method	Percent Passing or Testing Requirement
1 inch	100
3/4 inch	80-100
No. 4	35-85
No. 30	20-50
No. 200	4-10
Shale (max %)	12.0%

WM-16 WATER MAIN BACKFILLING: Shall conform to being suitable existing trench materials, except as otherwise specified in the plans for trench backfill. Suitable material shall be defined as soil free of foreign materials (rubbish, organics, and debris), frozen clumps, oversize stone, rock, concrete or bituminous chunks, and other unsuitable materials that may damage the pipe, prevent thorough compaction, or increase the risks of settlement.

SITE PLAN NOTES - VEHICULAR AREAS:

VA-1 PAVEMENT SAWCUTTING: Shall conform to saw cutting full pavement depth ensuring a smooth vertical pavement edge.

VA-2 CONCRETE PAVEMENT, CURB & GUTTER, DRIVEWAYS, AND SIDEWALKS: All concrete pavement, curb & gutter, driveways, and sidewalks shall be in accordance with:

- A. The following mix designs requirements:
 - a. Class AE of the NDDOT Standard Specifications for Road and Bridge Construction.
- B. All materials, accessories, testing, installation, etc. shall be in accordance to the current edition of the NDDOT Specifications.
- C. Replacement of any sidewalk and curb and gutter shall be done within five working days.
- D. Final elevation of all manholes and gate valves shall be no lower than 3/8" below the final elevation of concrete pavement.

VA-3 CONNECT TO EXISTING CONCRETE DRIVEWAY: Shall conform to #4 x 12" bars at 24" spacing.

VA-4 CONCRETE DRIVEWAY EXPANSION JOINTS: Shall conform to asphalt-impregnated fiberboard or felt. Shall comply with ASTM D1751 Type 5 and be ¾ inch thick.

VA-5 ASPHALT PAVEMENT: Shall conform to:

- A. The following mix design requirements:
 - a. Section 430 of the NDDOT Standard Specifications for Road and Bridge Construction.
- B. Be slightly above the face of the concrete gutter (maximum 1/2") with no asphalt pavement on top of the gutter.

VA-9 SUBGRADE PREPARATION UNDER VEHICULAR AREAS: Shall conform to scarifying and recompacting subgrade areas under the pavement section as shown in the Typical Details. Proof roll all pavement subgrades prior to aggregate placement, along all travel lanes to verify the uniformity of the underlying subgrade throughout the roadway section and to check for the presence of localized soft or weak zones. Perform proof roll with a fully loaded, tandem axle dump truck with a weight of approximately 25 tons, or an approved equal. Proof roll at a vehicle speed of between 1 ½ and 3 miles per hour along the pavement subgrades such that unrolled areas between wheel paths are not wider than 1'. Typical yielding should be limited to less than 1 1/2" for pavement subgrades, provided the underlying subgrade does not display permanent deformation. Correct areas that display excessive yielding, pumping or rutting during the proof roll. Repeat proof roll procedures until acceptable.

VA-10 AGGREGATE BASE UNDER VEHICULAR AREAS: Shall conform to the following sieve analysis:

- A. Aggregate Base Course:

Sieve Size or Testing Method	Percent Passing or Testing Requirement
1 inch	100
3/4 inch	90-100
No. 4	35-70
No. 30	16-40
No. 200	4-10
ND T 113, Shale (max %)	12.0%
AASHTO T 96, L.A. Abrasion (max %)	50%
NDDOT 4, Fractured Faces	10%

- B. Proof roll all aggregate base prior to paving, along all travel lanes to verify the uniformity of the underlying subgrade throughout the roadway section and to check for the presence of localized soft or weak zones. Perform proof roll with a fully loaded, tandem axle dump truck with a weight of approximately 25 tons, or an approved equal. Proof roll at a vehicle speed of between 1 ½ and 3 miles per hour along the pavement subgrades such that unrolled areas between wheel paths are not wider than 1'. Typical yielding should be limited to less than 1/2" for aggregate base, provided the aggregate base does not display permanent deformation. Correct areas that display excessive yielding, pumping or rutting during the proof roll. Repeat proof roll procedures until acceptable.

SITE PLAN NOTES - PEDESTRIAN AREAS:

PA-1 CONCRETE SIDEWALK:

- A. Expansion Joint: Install expansion joint material or plastic sleeve around castings, valve boxes, curbs boxes, etc. in sidewalks.
- B. Shall have radii poured integrally to the adjacent portion of sidewalk. In the instance that an integral pour is not used, a notch-out of at least 9" length shall be applied to the end of the arc to avoid a narrow "point" of concrete.

PA-2 COLORED CONCRETE SIDEWALK: Shall be colored concrete with a broom finish and colored concrete with a stamped running bond brick pattern. The color pigments shall meet the requirements of ASTM C979, Specification for Pigments for Integrally Colored Concrete. The pigment shall be a "brick red" color. The brick pattern shall be approved by the Engineer and City of New Town.

PA-3 AGGREGATE BASE COURSE UNDER PEDESTRIAN AREAS: Shall conform to the following sieve analysis:

Sieve Size or Testing Method	Percent Passing or Testing Requirement
1 inch	100
3/4 inch	90-100
No. 4	35-70
No. 30	16-40
No. 200	4-10
ND T 113, Shale (max %)	12.0%
AASHTO T 96, L.A. Abrasion (max %)	50%
NDDOT 4, Fractured Faces	10%

PA-4 SIDEWALK TRENCH DRAIN: Shall be Neenah R-4996 Series or approved equivalent.

SITE PLAN NOTES - MISCELLANEOUS:

MI-3 DEMOLITION OF BUILDINGS AND STRUCTURES: Shall conform to backfilling all excavated structures in accordance to the grading notes. Disconnect existing utilities from all structures in accordance to City and State requirements.

MI-7 CHAINLINK FENCE: Shall conform to 6 feet high Master Halco or equal, designed and installed per manufacturer's recommendations.

SITE PLAN NOTES - SIGNING:

SI-1 SIGN AND SIGN POST REMOVALS AND RESETTINGS: Shall conform to replacing removed or reset signs and supports damaged during removing, resetting, or stockpiling. Remove sign panels from existing supports. Reinstall support and install new sign panels, angles, stringers, and steel channels. Provide all necessary brackets and hardware to attach sign panels, angles, stringers, and steel channels on new supports.

SITE PLAN NOTES - PAVEMENT MARKINGS:

PM-2 PAVEMENT MARKINGS: Shall conform to:

- A. Any of the following types:

a. Epoxy: Mark-55 by Poly-Carb, Inc. or LS60 by Epoplex. Strictly adhere to the manufacturer's recommendations for preparation and installation requirements.

b. Plastic Film: 3M Stamark High Performance Tape Series 380I ES pavement marking type. Strictly adhere to the manufacturer's recommendations for preparation and installation requirements.

c. Paint: Latex Hotline Waterborne Traffic Paint by Sherwin Williams. Strictly adhere to the manufacturer's recommendations for preparation and installation requirements. Colors are Blue - TM2224, Yellow - TM2153, and White - TM2152.
- B. Owner approval of pavement marking layouts/outlines is required in field prior to any work being performed.

PM-3 THE INTERNATIONAL SYMBOL OF ACCESS: The symbol in the accessible parking space and the spacing between and angle of stripes in the access aisle shall be determined by the striping installer.

PM-4 GROOVING AND RECESSING: Shall conform to following:

- A. Preformed Patterned Pavement Marking Film Grooves:

Parameter	Tolerance
Depth	90-110 mils
Smoothness	Ridges, within the groove, shall be no more than 6 mils higher than either adjacent valley
Width	Line width plus ½ inch

Length	Line length plus 3 inches per end of line
Line End Tapers	3 inches

B. Epoxy Paint Grooves:

Parameter	Tolerance
Depth	40-55 mils
Smoothness	Ridges, within the groove, shall be no more than 6 mils higher than either adjacent valley
Width	Line width plus 1 inch
Length	Line length plus 3 inches per end of line
Line End Tapers	3 inches

GRADING PLAN NOTES:

GP-1 GRADING DATA: Spot elevations shall supersede any slopes or finished ground contours.

GP-2 EARTHWORK:

- A. Onsite material shall be used for Fill whenever possible. Material shall be suitable for intended use and free of debris and organics.
- B. Import material used for Fill, if required, shall be suitable for intended use and free of debris and organics.
- C. Prior to placement of Fill, existing ground shall be scarified to a minimum depth of 12" and recompacted to a minimum of 95% of the Standard Proctor Density (ASTM D698).
- D. Shall be compacted to 90% of the Standard Proctor Density (ASTM D698) with a moisture content of +/- 3% for areas outside of pavement. Lifts shall be maximum of 8" thick compacted depth.
- E. Shall be compacted to 95% of the maximum dry density per ASTM D698 (Standard Proctor Density) with a moisture content of +/- 3% for areas beneath future pavement. Lifts shall be maximum of 8" thick compacted depth.
- F. Shall conform to excavating and reusing material that is graded and free of lumps larger than 3 inches, rocks larger than 2 inches, and debris. No frozen earth or foreign material. Organic content of less than 3% for material placed below structures and less than 5% for materials placed within 3 vertical feet of the top of finished pavement subgrades.
- G. If a sand vein or wet or unstable materials present during utility installation, over-excavate bottom of trench and provide clean rock with an average diameter of 1.25" in over-excavated area to stabilize bottom of trench.

EROSION PREVENTION AND SEDIMENT CONTROL PLAN NOTES - REGULATORY

RESPONSIBILITIES:

RR-1 PRE-CONSTRUCTION PERMITTING:

- A. Obtain all necessary permits related to stormwater management, erosion prevention, and sediment control prior to beginning construction.
- B. Since the disturbed land on the site encompasses less than 1 acre, filing a Storm Water Permit with the State is not required.
- C. The installation of underground utilities may require dewatering at various areas throughout the project. A Department of Natural Resources (DNR) Water Appropriation Permit (DNR Permit) must be obtained prior to dewatering activity. All dewater discharge will be subject to the approvals and stipulations of the DNR Permit. The Contractor will be responsible for the associated application fee.

EROSION PREVENTION AND SEDIMENT CONTROL PLAN NOTES - SITE MANAGEMENT:

SM-1 BEST MANAGEMENT PRACTICES (BMP'S): Shall be installed prior to any disturbances and become property of the Contractor after they are removed. In the instance that a BMP fails, it shall be repaired, replaced, or supplemented with a functional BMP.

SM-2 ALL DISTURBED AREAS: Shall be stabilized no later than fourteen (14) calendar days after the construction activity in that portion of the site has temporarily or permanently ceased.

SM-3 TRACKING OF SOIL, SEDIMENTS, AND DEBRIS: All equipment and vehicles leaving the site shall be cleaned of loose debris and soil. All soil and other debris tracked onto adjacent roadways (outside the project limits) is to be removed. Sweep and remove sediments from impervious areas that have been tracked with sediments or had sediments spilled or eroded onto them. This shall be completed by the end of each day during the period of construction.

SM-4 TEMPORARY MULCHING: Shall conform to Section 253 of the NDDOT Standard Specifications for Road and Bridge Construction.

SM-5 SURFACE ROUGHENING: Slopes shall be left rough, not smooth, until permanent stabilization is implemented.

SM-6 GRASS BUFFER STRIPS: Shall be preserved and protected via signing, fencing, taping, painting, etc. their locations.

SM-7 TURBID OR SEDIMENT-FILLED DISCHARGE: Shall be discharged to a temporary or permanent sedimentation basin or it must be treated by an appropriate BMP (grit chambers, sand filters, filter bag/sock, etc.) before site discharge. Discharge from sedimentation basins shall be in a manner that protects the site, downstream properties, and adjacent properties from erosion, scouring, sedimentation, and flooding by an acceptable energy dissipation method (e.g. rock, riprap, or sand bags).

SM-8 SEDIMENTATION BASINS: Sediment from temporary and permanent sedimentation basins must be removed when sediment has reached one half (1/2) the basin's depth.

SM-9 WASTE RECEPTACLES: Shall be required for any solid waste generated during the construction process. These receptacles shall be emptied periodically and the trash disposed of properly.

SM-10 HAZARDOUS MATERIALS (E.G. GASOLINE, FUEL, AND MOTOR OIL): Shall be stored in a manner that is compliant with local and state regulations.

SM-11 PORTABLE RESTROOM FACILITIES: Shall require periodic cleaning and proper disposal of waste.

SM-12 FINAL STABILIZATION: Shall be achieved when the following guidelines are met:

- A. Final permanent stabilization (turf establishment) has reached 70 percent vegetative growth in all areas.
- B. All sediment collected from temporary erosion and sediment control BMP's is removed.
- C. All sediment and other debris that has collected in the storm sewer system is removed.
- D. All temporary erosion and sediment control BMP's are removed.

EROSION PREVENTION AND SEDIMENT CONTROL PLAN NOTES

EC-1 INLET PROTECTION: Shall conform to:

- A. Flexstorm Catch-it Inlet Filters or approved equal. Models shall be:

a. Round (e.g. convex, beehive, stool, etc.): 62MRDFX

b. 2' x 3' Highback: 62LCBFX or 62LCBEXTFX

c. 2' x 3' Mountable: 62LSQFX
- B. Inlet Protection Devices shall be:

a. Maintained and inspected per manufacturers' recommendations.

b. Left in place until construction activity is completed, the street has been swept, and any exposed soil is stabilized.

EC-2 SEDIMENTATION CONTROL FENCE: Shall be cleaned out when sediment reaches one-third (1/3) the height of the fence.

EC-3 CONSTRUCTION ENTRANCE:

- A. One construction entrance will be allowed. Coordinate and/or confirm location with Owner & City. Install entrance before work begins.
- B. May need to be removed and reset as improvements are installed.

EC-4 CONCRETE WASHOUT: Concrete washout shall be located on-site within project construction limits and be signed/delineated continuously. Washouts may be a mobile/portable/roll-off container or constructed on site per details. Dispose of material when concrete washouts reach 80% of their capacity. Washouts must be an impermeable containment facility or impermeable liner (manufactured device or constructed on-site) that prevents contact with the ground or runoff into waterways. Containers shall be clearly signed/marked and location given to each concrete truck driver. Containers or liners shall be maintained and properly disposed of after concrete operations cease.



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DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

DRAWN BY: RA/JF JN: 31025

CIVIL NOTES

SHEET
C-003

FILE LOCATION: Q:\Projects\3100031000310025\ICON\NewTown\LegionSiteDesign\CADD\Production\31025_Cover.dwg

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NO.	DESCRIPTION	DATE
1	Bid Set	08/12/26

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SHEET

C-004

	Min. % of Max. Density ASTM D698	Range Optimum Moisture %	Fill Type	Max. Compacted Lift Thickness (in.)	Max. Loose Lift Thickness (in.)
Trenching					
Pipe Bedding and Cover	95		A2	6	
Rock Bedding - 1 1/4"			A6	6	
Backfill	95	- 1 to + 3	S1, S2		8
Top 3 feet of Backfill below Roadway	100	- 1 to + 3	S1, S2		8
Topsoil	Lightly Compact		S3, S4		
Backfill for Valve & Box, Yard Hydrant	95		A2	6	
Manholes and Structures					
Bedding	95		A2	6	
Rock Bedding			A6	6	
Backfill	95		S1, S2		8
Top 3 feet of Backfill below Roadway	100		S1, S2		8
Topsoil	Lightly Compact		S3, S4		
Roadways					
Subgrade Preparation	Proof Roll		S1, S2	6	
Embankment	95	- 1 to + 3	S1, S2		8
Aggregate Base & Surfacing	Proof Roll	-3 to +3	A1, A3, A5, A8		8
Fill under Roads, Sidewalks, Driveways	95	- 1 to + 3	S1, S2		8
Topsoil	Lightly Compact		S3, S4		
Grading					
Scarify and Recompact 12"	95	- 1 to + 3	S1	6	
Boulevards and Greenspaces	90	- 1 to + 3	S1		
Clay Liner	98	- 1 to + 3	S5		8
Embankment	95	- 1 to + 3	S1, S2		8
Topsoil	Lightly Compact		S3, S4		
Spoil or Stockpile	Lightly Compact				12
Other					
Subcut and Recompact	95	- 1 to + 3	S1		8
Subsoil Fill	95	- 1 to + 3	S1, S2		8
Structural Fill	98	-3 to +3	A1	6	
Granular Fill	95	-3 to +3	A1, A2, A9	6	

TESTING SCHEDULE	
	Frequency
Trenching	
Utility Main	2 test per Block or 350' (1/3 & 2/3 depth)
Utility Service	2 tests (1/3 & 2/3 depth)
Hydrant Lead	2 tests (1/3 & 2/3 depth)
Manhole or Inlet	2 tests (1/3 & 2/3 depth)
Earthwork	
Roads	1 test per block or 350' of roadway per 12" lift
General Earthwork	1 test per 1,500 CY
Structural Fill	1 test per 20,000 SF per 12" lift
Granular Fill	2 test per 20,000 SF per 12" lift
Clay Liner	1 test per 20,000 SF per 12" lift

COLD-FORMED METAL FRAMING NOTES:

- COLD-FORMED STEEL CONSTRUCTION SHALL CONFORM TO THE FOLLOWING STANDARDS:

AMERICAN IRON & STEEL INSTITUTE (AISI) - "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STRUCTURAL MEMBERS"
ASTM C-955 - "STANDARD SPECIFICATION FOR LOAD BEARING STEEL STUDS, TRACKS, & BRIDGING."
ASTM C-1007 - "STANDARD SPECIFICATION FOR INSTALLATION OF LOAD BEARING STEEL STUDS & RELATED ACCESSORIES"
- COLD-FORMED METAL FRAMING SHALL BE DESIGNED TO SUPPORT THE SUPERIMPOSED LOADS AS INDICATED ON THE CONTRACT DOCUMENTS FOR THE SPAN CONDITIONS INDICATED. DESIGNS SHALL BE IN ACCORDANCE WITH THE AISI UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER.
- COLD-FORMED METAL FRAMING SUPPLIER SHALL DESIGN AND SUPPLY ALL CONNECTIONS BETWEEN COLD-FORMED METAL FRAMING AND OTHER COLD-FORMED METAL FRAMING MEMBERS, BUILDING FOUNDATIONS, SHEAR WALLS AND OTHER STRUCTURAL MEMBERS DESIGNED BY THE SEOR. (U.O.N.) COLD-FORMED METAL FRAMING SUPPLIER TO SHOW FIELD ANCHORAGE REQUIREMENTS ON SUBMITTED SHOP DRAWINGS.
- COLD-FORMED METAL FRAMING MEMBERS HAVE BEEN INDICATED ON THE DRAWINGS BY GENERAL SIZE AND DEPTH. THE STRUCTURAL ANALYSIS AND DESIGN OF THESE ITEMS SHALL BE PERFORMED BY THE COLD-FORMED METAL FRAMING SUPPLIER.
A. DESIGN DEVIATIONS MUST BE SUBMITTED TO THE ARCHITECT/SEOR FOR REVIEW PRIOR TO THE SUBMISSION OF STAMPED APPROVAL DRAWINGS & CALCULATIONS.
B. DESIGN DEVIATIONS MUST PRODUCE AN INSTALLATION EQUIVALENT TO THE BASIC INTENT WITHOUT INCURRING ADDITIONAL COSTS TO THE OWNER.
C. ALL REQUIRED MATERIALS SHALL BE SUITABLE FOR THE PURPOSE INTENDED AND SUBJECT TO PRIOR APPROVAL BY THE ARCHITECT.
- STRUCTURAL FRAMING MEMBERS SHALL CONFORM TO ASTM C955 & HAVE ENGINEERING PROPERTIES CALCULATED IN CONFORMANCE WITH AISI "SPECIFICATION FOR THE DESIGN OF COLD - FORMED STEEL STRUCTURAL MEMBERS".
- HEADERS AT OPENINGS THROUGH JOISTS, RAFTERS & WALLS SHALL BE DESIGNED AND SUPPLIED BY THE COLD-FORMED METAL SUPPLIER. MEMBERS ADJACENT TO WALL OPENINGS SHALL BE DESIGNED FOR THE ADDITIONAL LOAD AT EACH LOCATION.
- DESIGN CRITERIA:
EXTERIOR BEARING/CURTAIN WALLS:
DESIGN LOADS: SEE "DESIGN LOADS" UNDER GENERAL CONSTRUCTION NOTES.
DEFLECTION: L/480 W/ BRICK
L/360 W/O BRICK

INTERIOR BEARING WALLS:
DESIGN LOADS: SEE "DESIGN LOADS" UNDER GENERAL CONSTRUCTION NOTES.
DEFLECTION: L/360
- MATERIALS:
YIELD STRENGTH (F_y):
33 ksi - ALL DESIGN THICKNESSES (TYPICAL - U.O.N.)
50 ksi - 16GA AND HEAVIER (AS REQ'D BY DESIGN)
PROTECTION COATING:
G-60 GALVANIZED FINISH (MIN.)
ASTM STANDARDS:
A653, A975, A792 OR A463
- WELDED CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE LATEST RECOMMENDATION OF:

AWS - AMERICAN WELDING SOCIETY
- TOUCH UP ALL WELDS WITH ZINC-RICH PAINT (ASTM A780). APPLY TO BOTH SIDES OF STUD.
- TRACKS SHALL BE INSTALLED AT THE TOPS AND BOTTOMS OF ALL VERTICAL STUDS AND SHALL BE THE SAME GAUGE AS THE WALL STUDS (U.O.N.). SEE DETAIL "S" FOR SPLICE AND STUD CONNECTIONS.
- WALL STUDS SHALL BE BRACED WITH A COLD ROLLED CHANNEL (CRC) RUN HORIZONTALLY THROUGH THE STUD PUNCH-OUTS AND ATTACHED AT EACH STUD. AT SPLICES, OVERLAP THE CHANNEL BY 6". VERTICAL SPACING OF CHANNELS SHALL NOT EXCEED 4'-0"o.c. SEE DETAIL "S"***
- NO NOTCHING OF STUDS, JOISTS, BEAMS OR TRUSS MEMBERS IS PERMITTED WITHOUT THE ENGINEERS APPROVAL. NO SPLICES IN STUDS, JOISTS, HEADERS, OR OTHER LOAD CARRYING MEMBERS MAY BE MADE WITHOUT THE ENGINEERS APPROVAL.
- WEB PUNCH OUTS ON TYP STUDS AND JAMB ASSEMBLIES MUST BE LOCATED A MINIMUM OF 1'-0" FROM ATTACHMENT TO BOTTOM TRACK OR ATTACHMENT AT ROOF OR FLOOR LEVELS. WEB PUNCH OUTS MUST BE LOCATED A MINIMUM 1'-0" CLEAR FROM BEARING LOCATIONS ON JOISTS.
- PROVIDE HORIZONTAL BRIDGING AT JOIST MEMBERS AS RECOMMENDED BY THE AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STRUCTURAL MEMBERS" WITH MINIMUM ROWS AS FOLLOWS: UNLESS OTHERWISE NOTED:

SPANS UP TO 14'-0" - 1 ROW AT MIDPOINT
14'-0" UP TO 20'-0" - 2 ROWS @ THIRD POINTS
20'-0" & GREATER - 1 ROW EVERY 6'-0"o.c.

BRIDGING MATERIALS SHALL BE SAME GRADE AND GAUGE AS JOIST MEMBERS. SEE DETAIL "S"***
- JOISTS, RAFTERS, BEAMS, GIRDERS AND TRUSSES SHALL HAVE FULL HORIZONTAL BEARING OF THE MEMBER OVER SUPPORT - UNLESS OTHERWISE SHOWN.
- JOISTS/RAFTERS MUST BE BRACED AGAINST ROTATION AT BEARING SUPPORTS BY A TRACK OR BLOCKING.
- TRACKS SHALL BE INSTALLED AT EACH END OF JOIST MEMBERS AND SHALL BE THE SAME GAUGE AS THE JOISTS. TRACKS SHALL BE CONNECTED TO THE JOISTS WITH (1) - #10-16 SCREW AT EACH FLANGE (MIN.).

COLD-FORMED FRAMING DESIGNATION			
MEMBER DEPTH IN INCHES (I.E. - 800 = 8") (I.E. - 362 = 3 5/8")	FLANGE WIDTH IN INCHES (I.E. - 162 = 1 5/8") (I.E. - 200 = 2")	STEEL THICKNESS	
800 S 200 - 97		MILS	GA MINIMUM
		33	20 0.0329"
		43	18 0.0428"
		54	16 0.0538"
		68	14 0.0677"
MEMBER TYPE S = "C" STUD T = TRACK		97	12 0.0966"
		MINIMUM THICKNESS REPRESENTS 95% OF DESIGN THICKNESS	
MEMBER THICKNESS IN MILS			

VERTICAL STRUCTURAL PANEL SHEATHING NOTES (CFS FRAMING):

GENERAL:

- FASTENERS SHALL NOT BE LOCATED LESS THAN 3/8" IN FROM THE EDGE OF THE PANEL.
- FASTENERS SHALL BE DRIVEN FLUSH WITH SURFACE OF SHEATHING.
- SCREWS SHALL BE OF SUFFICIENT LENGTH TO ENSURE PENETRATION INTO THE COLD-FORMED METAL FRAMING MEMBER BY AT LEAST THREE EXPOSED THREADS.
- STUDS SHALL BE A MINIMUM 1 5/8" x 3 1/2" WITH A 3/8" RETURN LIP. TRACK SHALL BE A MINIMUM 1 1/4" x 3 1/2".
- FRAMING MEMBERS SHALL BE A MINIMUM UNCOATED BASE METAL THICKNESS OF 0.033 INCH (20 GAUGE) AND SHALL BE ASTM A 653, 792, OR 875 SS GRADE 33 (U.O.N.).
- FRAMING FASTENERS SHALL BE A MINIMUM #8 x 5/8" WAFER HEAD SELF DRILLING IN ACCORDANCE WITH ASTM C1513
- NO PANEL LESS THAN 1'-0" WIDE SHALL BE USED.
- ALL PANEL EDGES SHALL BE FULLY BLOCKED. WHERE HORIZONTAL STRAP BLOCKING IS USED, IT SHALL BE A MINIMUM 1 1/2" WIDE & OF THE SAME MATERIAL & THICKNESS AS THE TRACK & STUDS.
- PANEL EDGES SHALL BUTT ALONG THE CENTERLINE OF FRAMING MEMBERS.
- FRAMING SHALL BE MAXIMUM 2'-0"o.c. UNLESS SPECIFIC NOTES AND / OR DETAILS ARE MORE STRICT.
- FASTENING REQUIREMENTS SHOWN ON PLAN & SCHEDULE SHALL APPLY TO ALL STUDS, TOP & BOTTOM TRACKS, & BLOCKING (WHEN REQUIRED).
- CONTRACTORS TO PROVIDE DIAGONAL BRACING AT STUD WALLS TO PREVENT RACKING DURING CONSTRUCTION.

WOOD SHEATHING:

- PANEL WALL SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE 1, W/ 32/16 SPAN RATING (U.O.N.). EACH PANEL SHALL BE IDENTIFIED WITH THE GRADE TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION (APA) AND SHALL MEET THE PRODUCT STANDARD (PS) REQUIREMENTS OF DOC P51 OR PS2. (SEE PLAN FOR THICKNESS)
- UNLESS OTHERWISE NOTED ON THE PLAN AND/OR SHEAR WALL SCHEDULE:
- SPACE SCREWS @ 12"o.c. ALONG INTERMEDIATE FRAMING MEMBERS. (FIELD OF PANEL)
- SPACE SCREWS @ 6"o.c. AT ALL PANEL EDGES.
- FASTENERS SHALL BE #8 (MINIMUM) COUNTERSUNK TAPPING SCREWS W/ 0.285" HEAD IN ACCORDANCE WITH ASTM C1513
- OFFSET PANEL JOINTS ON EACH SIDE OF WALL MINIMUM ONE STUD BAY.
- PANEL WALL SHEATHING SHALL BE ORIENTED WITH FACE GRAIN (STRENGTH AXIS) EITHER PARALLEL OR PERPENDICULAR TO SUPPORT STUDS, UNLESS OTHERWISE NOTED ON THE PLAN AND/OR SHEAR WALL SCHEDULE:

GYPSUM BOARD/FIBERGLASS MAT GYPSUM SHEATHING:
1. GYPSUM BOARD SHALL CONFORM TO ASTM C1396 AND SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C840. FIBERGLASS MAT GYPSUM SHEATHING SHALL CONFORM TO ASTM C1177 AND SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C1280.
- INTERIOR SHEATHING SHALL BE 5/8" GYPSUM BOARD (U.O.N.)
- EXTERIOR SHEATHING SHALL BE 5/8" GLASS-MAT GYPSUM SHEATHING (U.O.N.)
- UNLESS OTHERWISE NOTED ON THE PLAN AND/OR SHEAR WALL SCHEDULE, SPACE
- SPACE FASTENERS @ 7"o.c. AT SUPPORTED PANEL EDGES AND FIELD OF PANEL.
- FASTENERS SHALL BE #6 (MINIMUM) DRYWALL SCREWS IN ACCORDANCE WITH ASTM C954 OR ASTM C1002
- SOLID STUD BLOCKING REQUIRED BEHIND THE HORIZONTAL JOINT BETWEEN THE FIRST TWO END STUDS.
- END JOINTS OF ADJACENT COURSES OF GYPSUM BOARD SHEETS SHALL NOT OCCUR OVER THE SAME STUD.
- GYPSUM BOARD SHEATHING:
- PANELS MUST BE APPLIED PERPENDICULAR TO STUDS.
GLASS-MAT GYPSUM SHEATHING:
- PANELS MUST BE APPLIED VERTICALLY

HORIZONTAL STRUCTURAL PANEL SHEATHING NOTES (CFS FRAMING):

GENERAL:

- FASTENERS SHALL NOT BE LOCATED LESS THAN 3/8" IN FROM THE EDGE OF THE PANEL.
- FASTENERS SHALL BE DRIVEN FLUSH WITH SURFACE OF SHEATHING.
- SCREWS SHALL BE OF SUFFICIENT LENGTH TO ENSURE PENETRATION INTO THE COLD-FORMED METAL FRAMING MEMBER BY AT LEAST THREE EXPOSED THREADS.
- JOISTS SHALL BE A MINIMUM 1 5/8" x 3 1/2" WITH A 3/8" RETURN LIP. TRACK SHALL BE A MINIMUM 1 1/4" x 3 1/2".
- FRAMING MEMBERS SHALL BE A MINIMUM UNCOATED BASE METAL THICKNESS OF 0.033 INCH (20 GAUGE) AND SHALL BE ASTM A 653, 792, OR 875 SS GRADE 33 (U.O.N.).
- FRAMING FASTENERS SHALL BE A MINIMUM #8 x 5/8" WAFER HEAD SELF DRILLING IN ACCORDANCE WITH ASTM C1513
- NO UNBLOCKED PANELS LESS THAN 1'-0" WIDE SHALL BE USED.
- PANEL EDGES SHALL BUTT ALONG THE CENTERLINE OF FRAMING MEMBERS.
- FRAMING SHALL BE MAXIMUM 2'-0"o.c. UNLESS SPECIFIC NOTES AND / OR DETAILS ARE MORE STRICT.

WOOD SHEATHING:

- PANEL ROOF SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE 1, WITH 40/20 SPAN RATING (U.O.N.). PANEL FLOOR SHEATHING SHALL BE TONGUE & GROOVED, APA RATED SHEATHING, EXPOSURE 1, WITH 48/24 SPAN RATING (U.O.N.). EACH PANEL SHALL BE IDENTIFIED WITH THE GRADE TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION (APA) AND SHALL MEET THE PRODUCT STANDARD (PS) REQUIREMENTS OF DOC P51 OR PS2. (SEE PLAN FOR THICKNESSES)
- UNLESS OTHERWISE NOTED ON THE PLAN:
- SPACE FASTENERS @ 12"o.c. ALONG INTERMEDIATE FRAMING MEMBERS. (FIELD OF PANEL)
- SPACE FASTENERS @ 6"o.c. AT SUPPORTED PANEL EDGES.
- FASTENERS SHALL BE COUNTERSUNK TAPPING SCREWS IN ACCORDANCE WITH ASTM C1513 W/ THE FOLLOWING MINIMUM SIZES (U.O.N.):
- #8 SCREWS (MIN) @ FRAMING MEMBERS W/ DESIGNATION THICKNESS OF 54 MILS (16GA) OR LESS
- #10 SCREWS (MIN) @ FRAMING MEMBERS W/ DESIGNATION THICKNESS GREATER THAN 54 MILS (16GA)
- PANELS SHALL BE CONTINUOUS OVER 2 OR MORE SUPPORTS (MINIMUM).
- PANEL ROOF/FLOOR SHEATHING SHALL BE ORIENTED WITH THE FACE GRAIN (STRENGTH AXIS) PERPENDICULAR TO THE SUPPORTS/JOISTS/TRUSSES.
- TONGUE & GROOVE EDGES, PANEL EDGE CLIPS (1 - MIDWAY BETWEEN EA. SUPPORT), OR COLD-FORMED METAL STUD BLOCKING SHALL BE USED @ ALL UNSUPPORTED EDGES.

POST-INSTALLED ANCHOR NOTES:

- POST-INSTALLED ANCHORS NOTED ON PLANS AND / OR DETAILS SHALL BE AS FOLLOWS (U.O.N.). IF ALTERNATIVE ANCHORS ARE DESIRED, CONTRACTOR MUST SUBMIT PRODUCT DATA FOR APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO ORDERING OF MATERIALS.

A. SCREW ANCHORS: HILTI KWIK HUZ-EZ.

B. EXPANSION ANCHORS: HILTI KWIK BOLT-TZ.

C. INJECTION ADHESIVE ANCHORS (CONCRETE): HILTI HIT-HY 200 ADHESIVE (OR HILTI HIT-ICE ADHESIVE FOR COLD WEATHER APPLICATION). THREADED RODS TO BE ASTM 193, GRADE B7 WITH EMBEDDED END CUT AT 45°. PROVIDE APPROPRIATE SIZE/LENGTH SCREEN TUBE FOR PROPER ANCHORAGE IN HOLLOW MASONRY.

D. INJECTION ADHESIVE ANCHORS (MASONRY): HILTI HIT-HY 70 MASONRY ADHESIVE. THREADED RODS TO BE ASTM 193, GRADE B7 WITH EMBEDDED END CUT AT 45°. PROVIDE APPROPRIATE SIZE/LENGTH SCREEN TUBE FOR PROPER ANCHORAGE IN HOLLOW MASONRY.
- ANCHORS USED TO TRANSFER STRUCTURAL LOADS SHALL BE APPROVED BY METHODS OF ACI 318 APPENDIX D (MECHANICAL ANCHORS) OR ICC-ES AC308 (ADHESIVE AND TORQUE-CONTROLLED ANCHORS).
- ADHESIVE USED IN COLD WEATHER MUST MEET ALL WEATHER AND CODE REQUIREMENTS. CONTRACTOR IS TO PROVIDE HEAT AS REQUIRED TO MAINTAIN MINIMUM REQUIRED CONCRETE BASE MATERIAL TEMPERATURE PER MANUFACTURER'S RECOMMENDATIONS DURING ADHESIVE CURING.
- ALL ANCHORS (AND ADHESIVE, WHERE SPECIFIED) SHALL BE INSTALLED IN STRUCTURAL CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS. ANCHOR HOLE SIZE AND DEPTH SHALL BE DRILLED AND CLEANED PER MANUFACTURER'S SPECIFICATIONS. CARE SHALL BE TAKEN TO AVOID CONFLICTS WITH EXISTING REINFORCING STEEL.
- EMBEDMENT DEPTH OF ANCHORS SHALL BE AS INDICATED ON DRAWINGS AND MUST MEET MINIMUM EMBEDMENT REQUIREMENTS OF MANUFACTURER.
- POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACE CAST-IN-PLACE ANCHORS.



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DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/2026

DRAWN BY: MFJ, CMM

JN: 23-018

Structural Notes

SHEET

S002

Autodesk Docs: 022-0118 - American Legion - New Town ND 23-0118 - New Town American Legion - STRUCT.rvt 8/12/2026 5:01:26 PM

SPECIAL INSPECTIONS AND TESTING:

THIS PROJECT REQUIRES SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE, 2018 EDITION. THESE NOTES AND THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THE PROJECT OWNER ARE INTENDED TO INFORM THE CONTRACTOR OF THE QUALITY ASSURANCE PROGRAM AND THE EXTENT OF THE CONTRACTOR'S RESPONSIBILITIES. THE CONTRACTOR SHALL REFERENCE PROJECT MANUAL FOR ADDITIONAL INFORMATION. THE TESTING AND INSPECTION SERVICES SECTION WILL CLARIFY WHO SHALL EMPLOY AND PAY FOR SERVICES OF AN INDEPENDENT TESTING AGENCY TO PERFORM ALL INSPECTIONS, SPECIAL INSPECTIONS, AND TESTING FOR PROJECT.

GENERAL NOTES:

- THE SPECIAL INSPECTION AND TESTING PROGRAM IS A QUALITY ASSURANCE PROGRAM INTENDED TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY TO COMPLY WITH THE OFFICIAL CONTRACT DOCUMENTS. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE OFFICIAL CONTRACT DRAWINGS. THE SPECIAL INSPECTOR DOES NOT REPLACE THE DUTIES OF THE BUILDING OFFICIAL NOR THE QUALITY CONTROL RESPONSIBILITIES AND PERSONNEL OF THE CONTRACTOR. JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN THE IBC SECTION 110 AND SPECIFIC STRUCTURAL OBSERVATION AS MAY BE REQUIRED BY THE CODE. PERIODIC STRUCTURAL OBSERVATION BY THE SEOR IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS. A LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE, CONTINUOUS, OR MEETING THE SPECIAL INSPECTIONS OBLIGATIONS.
- THOUGH NOT REQUIRED BY CODE, SPECIAL INSPECTORS AND/OR INSPECTION AGENCIES CAN DOCUMENT ACCEPTANCE OF THEIR RESPONSIBILITIES AND SCOPE OF WORK FOR A PROJECT BY SIGNING AN AGREEMENT THAT INCLUDES A DETAILED SCHEDULE OF SERVICES, COMMONLY KNOWN AS THE SPECIAL INSPECTION AND TESTING AGREEMENT AND THE SPECIAL INSPECTION AND TESTING SCHEDULE. THIS DOCUMENT MAY REFERENCE THIS SHEET AS THE "STATEMENT OF SPECIAL INSPECTIONS." (SSI).
- THE STRUCTURAL DESIGN METHODS AND/OR ASSUMPTIONS UTILIZED ARE BASED UPON THE SPECIAL INSPECTIONS REQUIRED WITHIN THE CONTRACT DOCUMENTS.

CONTRACTOR RESPONSIBILITIES AND DUTIES:

- THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND PROVIDING ADEQUATE NOTICE TO THE SPECIAL INSPECTORS FOR ALL INSPECTIONS. THE CONTRACTOR SHALL REQUEST SPECIAL INSPECTION OF THE REQUIRED ITEMS PRIOR TO THOSE ITEMS BECOMING INACCESSIBLE AND UNOBSERVABLE DUE TO PROGRESSION OF WORK.
- THE CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR ACCESS TO THE APPROVED CONTRACT DOCUMENTS. THESE DOCUMENTS INCLUDE SEALED DRAWINGS AND SPECIFICATIONS, ADDENDA, CHANGE ORDERS, APPROVED SHOP DRAWINGS, ISSUED SKETCHES AND REVISION DRAWINGS, AND ALL DIRECTIVES ISSUED BY THE ARCHITECT/ENGINEER. THIS CURRENT SET OF DOCUMENTS SHALL BE AVAILABLE AT THE JOB SITE.
- THE CONTRACTOR IS TO CORRECT DISCREPANCIES AND DEVIATIONS AS DETERMINED BY SPECIAL INSPECTOR. ALL DISCREPANCIES AND DEVIATIONS OBSERVED SHALL BE RE-INSPECTED UNTIL THE SPECIAL INSPECTOR DEEMS CONSTRUCTION TO BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR IS TO RETAIN SPECIAL INSPECTION RECORDS COMPLETED BY THE SPECIAL INSPECTORS AT THE JOB SITE.

SPECIAL INSPECTOR QUALIFICATIONS AND RESPONSIBILITIES:

- THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
- SPECIAL INSPECTORS SHALL NOTIFY CONTRACTOR PERSONNEL OF THEIR PRESENCE AND RESPONSIBILITIES AT THE JOBSITE.
- THE SPECIAL INSPECTOR/TESTING AGENCY SHALL BE INDEPENDENT OF THE CONTRACTOR TO AVOID CONFLICT OF INTEREST.
- THE SPECIAL INSPECTOR IS OBLIGATED TO BOTH THE OWNER AND THE BUILDING OFFICIAL FOR OBSERVING THAT THE WORK IS EXECUTED IN ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS. THESE DOCUMENTS INCLUDE SEALED DRAWINGS AND SPECIFICATIONS, ADDENDA, CHANGE ORDERS, APPROVED SHOP DRAWINGS, ISSUED SKETCHES AND REVISION DRAWINGS, AND ALL DIRECTIVES ISSUED BY THE ARCHITECT/ENGINEER.
- SPECIAL INSPECTORS SHALL KEEP ORGANIZED RECORDS OF INSPECTIONS AND SUBMIT INSPECTION REPORTS WITH A MINIMUM WEEKLY FREQUENCY TO THE CONTRACTOR, BUILDING OFFICIAL, ENGINEERS, AND ARCHITECTS INDIVIDUALLY. REPORTS SHOULD INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION TO THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THEY SHOULD BE REPORTED TO THE BUILDING OFFICIAL AND TO THE ENGINEER OF RECORD.
- A FINAL SIGNED REPORT IS TO BE SUBMITTED AT THE END OF THE PROJECT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES. THIS REPORT SHOULD STATE THAT ALL ITEMS REQUIRING SPECIAL INSPECTION AND TESTING WERE FULFILLED AND REPORTED TO THE BEST OF THEIR KNOWLEDGE IN CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS, AND THE APPLICABLE PROVISIONS OF THE IBC. ITEMS NOT IN CONFORMANCE, UNRESOLVED ITEMS, OR ANY DISCREPANCIES IN INSPECTION COVERAGE SHOULD BE SPECIFICALLY ITEMIZED.
- THE FOLLOWING ARE THE QUALIFICATIONS FOR FOR INDIVIDUALS PERFORMING SPECIFIC INSPECTIONS OR TESTS INCLUDING IN THIS PROJECT'S SSI:
 - AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION:
 - ACI-CCSI CONCRETE CONSTRUCTION SPECIAL INSPECTOR
 - ACI-FTT FIELD TESTING TECHNICIAN - GRADE 1
 - ACI-LTT LABORATORY TESTING TECHNICIAN - LEVEL 1 OR 2
 - ACI-STT STRENGTH TESTING TECHNICIAN
 - AMERICAN WELDING SOCIETY (AWS) CERTIFICATION:
 - AWS-CWI CERTIFIED WELDING INSPECTOR
 - AWS/AISC-SSI CERTIFIED STRUCTURAL STEEL INSPECTION
 - AMERICAN SOCIETY OF NON-DESTRUCTIVE TESTING (ASNT) CERTIFICATION:
 - ASNT NON-DESTRUCTIVE TESTING TECHNICIAN - LEVEL II OR III
 - INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION:
 - ICC-CBI COMMERCIAL BUILDING INSPECTOR
 - ICC-SMSI STRUCTURAL MASONRY SPECIAL INSPECTOR
 - ICC-SSSI STRUCTURAL STEEL AND BOLTING SPECIAL INSPECTOR
 - ICC-SWI STRUCTURAL WELDING SPECIAL INSPECTOR
 - ICC-PCSI PRESTRESSED CONCRETE SPECIAL INSPECTOR
 - ICC-RCSI REINFORCED CONCRETE SPECIAL INSPECTOR
 - ICC-SSI SOILS SPECIAL INSPECTOR
 - PROFESSIONAL STATE LICENSING:
 - PE-STRUCT STRUCTURAL ENGINEER: LICENSED PE OR SE SPECIALIZING IN THE DESIGN OF BUILDINGS AND STRUCTURES
 - PE-GEOTECH GEOTECHNICAL ENGINEER: LICENSED PE SPECIALIZING IN SOIL MECHANICS AND FOUNDATIONS
 - ENGINEER-IN-TRAINING: GRADUATE ENGINEER WHO HAS PASSED THE FUNDAMENTALS OF ENGINEERING EXAMINATION
 - EIT

STATEMENT OF SPECIAL INSPECTIONS (SSI):

- THE FOLLOWING TABLES INDICATE THE MINIMUM SPECIFIC SPECIAL INSPECTION AND TESTING TO BE PERFORMED ON THIS PROJECT AND THE QUALIFICATIONS OF THE INDIVIDUAL INSPECTORS AND TESTING TECHNICIANS.

DEFINITIONS:

- CONTINUOUS SPECIAL INSPECTION:** THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. 100% OF THE WORK MUST BE INSPECTED AND IT MUST BE INSPECTED AS THE WORK IS BEING PERFORMED.
- PERIODIC SPECIAL INSPECTION:** THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN, OR IS BEING, PERFORMED AND AT THE COMPLETION OF WORK.
- YES:** THIS INSPECTION AND/OR TESTING IS REQUIRED BY THE BUILDING CODE AND MUST BE PERFORMED.
- NO:** THIS INSPECTION AND/OR TESTING IS NOT APPLICABLE TO THE PROJECT, AND NEED NOT BE PERFORMED.
- SUGGESTED:** THIS INSPECTION AND/OR TESTING IS NOT REQUIRED BY THE BUILDING CODE. HOWEVER, THE ENGINEER OF RECORD RECOMMENDS IMPLEMENTING THEM FOR QUALITY ASSURANCE. A POTENTIAL EXISTS FOR THESE MEASURES TO BE A VALUE ADDED SERVICE FOR THE OWNER TO ENSURE PROPER PROJECT COMPLETION.

SOILS (REF IBC SECTION 1705.6, 1803)

AREA REQUIRING SPECIAL TESTING & INSPECTION	AGENCY QUALIFICATION	INSPECTION		FREQUENCY		COMMENTS	REQD
		REFERENCE STANDARD		CONT	PERIODIC		
1. Shallow Foundations	ICC-SSI PE-GEOTECH.				●	Verify materials below shallow foundations are adequate to achieve the design bearing capacity. Verify excavations are extended to proper depth and have reached proper material.	YES
2. Controlled Structural Fill - Perform classification and testing of compacted fill materials. - Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	ICC-SSI PE-GEOTECH.	Applicable ASTM Standards			●	Classification and testing of compacted fill materials should include applicable sieve tests and modified Proctor tests. Verify extent and slope of fill placement.	YES

CONCRETE CONSTRUCTION (REF IBC SECTION 1705.3)

AREA REQUIRING SPECIAL TESTING & INSPECTION	AGENCY QUALIFICATION	INSPECTION		FREQUENCY		COMMENTS	REQD
		REFERENCE STANDARD		CONT	PERIODIC		
1. Material Certification	SEOR	Applicable ASTM & ACI Specs				Prior to start of concrete construction. Verify that concrete supplier's concrete components meet requirements set forth by applicable ASTM standards	YES
2. Inspect reinforcement, including prestressing tendons, and verify placement.	ACI-CCI ICC-RCSI	Applicable ACI Specs IBC 1908.4			●	Prior to each casting: Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters	YES
3. Reinforcing bar welding: - Verify weldability of reinforcing bars other than ASTM A706 - Inspect single-pass fillet welds, maximum 5/16" - Inspect all other welds	AWS-CWI	Applicable ASTM, ACI & AWS Specs			●	Inspect preheating of steel when required	YES
4. Inspect anchors cast in concrete.	ACI-CCI ICC-RCSI	Applicable AISC & ACI Specs			●	Prior to each casting: Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors	YES
5. Inspect anchors post-installed in hardened concrete members. - Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads. - Mechanical anchors and adhesive anchors not defined in 5a.	ACI-CCI ICC-RCSI	ACI & Supplier's specifications			●	Inspect installation for type of anchor, embedment, edge distances and adhesive requirements.	YES
6. Verify use of required design mix.	ACI-CCI ICC-RCS	ACI 318 IBC 1904.1, 1904.2, 1908.2, 1908.3			●	Mix designs to be reviewed prior to start of concrete construction on project. Review concrete batch tickets and verify compliance with approved mix design. Verify that water added on site does not exceed that allowed by the mix design.	YES
7. During concrete placement, fabricate specimens for strength test, perform slump and air content tests, and determine the temperature of the concrete.	ACI-CFTT ACI-LTT ACI-STT	Applicable ACI & ASTM Specs IBC 1908.10			●	Not less than once a day, nor less than once for every 150 yd ³ , nor less than once for every 5,000 ft ² of surface area for slabs or walls	YES
8. Inspect concrete and shotcrete placement for proper application techniques.	ACI-CCI ICC-RCSI	Applicable ACI Specs IBC 1908.6, 1908.7, 1908.8			●	Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.	YES
9. Verify maintenance of specified curing temperature and techniques.	ACI-CCI ICC-RCSI	Applicable ACI Specs IBC 1908.9			●	Inspect curing, cold weather protection and hot weather prection procedures after each casting.	YES
10. Inspect prestressed concrete for: - Application of prestressing forces. - Grouting of bonded prestressing tendons.	ICC-PCSI	ACI 318			●		YES
11. Inspect erection of precast concrete members.	ACI-CCI ICC-RCSI	ACI 318			●		YES
12. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	ICC-PCSI	ACI 318			●		YES
13. Inspect formwork for shape, location and dimensions of the concrete member being formed.	ACI-CCI ICC-RCSI	ACI 318			●		YES

Exceptions per IBC 1705.3: Special Inspections are not required for the following unless otherwise required by the Building Official or SEOR.

- Nonstructural concrete slabs supported directly on the ground.
- Concrete patios, driveways and sidewalks, on grade.

STEEL CONSTRUCTION (REF IBC SECTION 1705.2)

AREA REQUIRING SPECIAL TESTING & INSPECTION	AGENCY QUALIFICATION	INSPECTION		FREQUENCY		COMMENTS	REQD
		REFERENCE STANDARD		CONT	PERIODIC		
1. Fabricator certification / quality control procedures		AISC				Review shop fabrication and quality control procedures. Fabricator to be AISC certified or receive prior approval from Structural Engineer of Record	YES
2. Material certification & verification: - High-strength bolts, nuts and washers - Structural steel - Weld filler materials - Cold-formed steel deck and accessories	SEOR	Applicable ASTM, AWS & AISC Specs				Prior to start of steel fabrication & construction. Review certified mill test reports and certificate of compliance, identification marking on shapes, high strength bolts, nuts and welding electrodes.	YES
3. Inspection of high-strength bolting: - Snug-tight joints - Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist-off bolt or direct tension indicator methods of installation - Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated wrench methods of installation	AWS/AISC-SSI ICC-SSSI	Applicable ASTM & AISC Specs RSCS Spec AISC 360 Tables C-N5.6-1, C-N5.6-2, and C-N5.6-3			●	Inspect installation and tightening of high-strength bolts. Verify that splines have separated from tension-controlled bolts.	YES
4. Inspection of structural steel welding: - Complete and partial joint penetration groove welds - Multipass fillet welds - Single-pass fillet welds > 5/16" - Plug and slot welds - Single-pass fillet welds ≤ 5/16"	AWS-CWI ASNT AWS-CWI ICC-SSSI	AWS D1.1 AISC 360 Tables C-N5.4-1, C-N5.4-2, and C-N5.4-3			●	Visually inspect welds. Verify size and length of fillet welds. Ultrasonic testing of all complete joint penetration groove welds. Inspect pre-heat, post-heat and surface prep between passes for all multipass welds.	YES
5. Inspection of steel frame joint details for compliance: - Details such as bracing and stiffening - Member locations - Application of joint details at each connection	AWS/AISC-SSI ICC-SSSI	Applicable AISC Specs			●	Inspect steel frame for compliance with structural drawings, including bracing, member configurations and connection details	YES
6. Inspection of open-web steel joists and joist girders: - End connections - welding or bolting - Bridging - horizontal or diagonal	ICC-SSSI	SJI			●	Inspect installation, field welding, bearing length and bridging of joists	YES
7. Inspection of cold-formed steel deck installation - Deck profiles, material properties and base metal thickness - Size, location and spacing of deck attachment	AWS/AISC-SSI ICC-SSSI	SDI & AWS D1.3			●	Verify decks comply with construction documents. Verify deck attachments including support, sidelap and perimeter fastening. Visually inspect welds. Verify that mechanical fasteners are installed in accordance with manufacturer's instructions.	YES
8. Inspection of shear connectors (headed stud anchors)	AWS/AISC-SSI ICC-SSSI	Applicable AWS, ASTM & AISC Specs			●	Inspect size, number, positioning and welding of shear connectors. Inspect studs for full 90° degree flash. Ring Test all shear connectors w/ 3 lb hammer. Bend test all questionable studs to 15 degrees.	YES



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DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/2026

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JN: 23-018

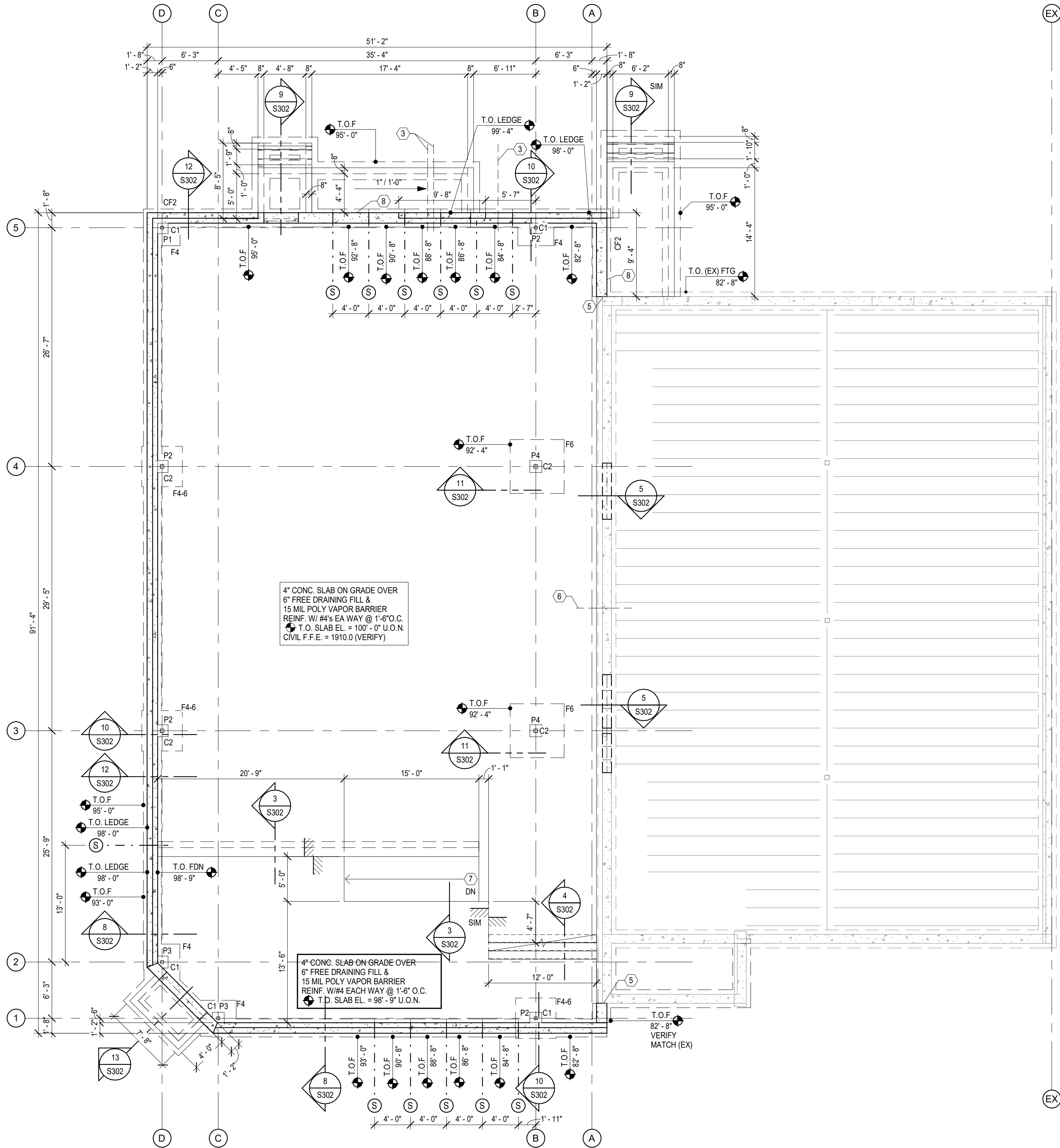
Special Inspections & Testing

SHEET

S003

Autodesk Docs: 022-018 American Legion - New Town ND23-018 - New Town American Legion - STRUCT.vxd

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1 S101 Foundation Plan
1/8" = 1'-0"
T.O. FOOTING EL = 95'-0" U.O.N.

FOUNDATION PLAN NOTES

- ALL WALL FOOTINGS ARE TO BE CENTERED ON WALLS. UON. WALL FOOTINGS ARE TO BE 12" THICK REINFORCED W/ (2) #5 CONT LONGITUDINAL BARS AND PROJECT 6" BEYOND EACH FACE OF FOUNDATION WALL THEY SUPPORT. UON. ALL PAD FOOTINGS ARE TO BE CENTERED ON COLUMNS / PIERS. UON.
 - CONTRACTOR TO VERIFY ALL DIMENSIONS & NOTIFY ARCHITECT / ENGINEER IF DISCREPANCIES EXIST.
 - SEE SHEET S001 FOR GENERAL CONCRETE & FOUNDATION NOTES.
 - SEE ARCH FOR DIMENSIONING OF FOUNDATION WALL HOLDOUTS. LOCATION OF STOOPS, SLAB RECESSES & SLOPED SLAB AREAS.
 - SEE DETAIL 6 /S301 FOR SLAB CONSTRUCTION JOINTS (CCJ). SEE DETAIL 7 /S301 FOR SLAB CONTROL JOINTS (CJ). CONTRACTOR SHALL SUBMIT A PROPOSED JOINT LAYOUT TO ARCH/ENG. FOR APPROVAL PRIOR TO SLAB PLACEMENT.
- CONTROL JOINTS SHALL BE ON COLUMN LINES AND AT RE-ENTRANT CORNERS TO THE GREATEST EXTENT POSSIBLE W/ SPACING LESS THAN 12'-0" O.C. BETWEEN.
- CONSTRUCTION JOINTS SHALL BE LOCATED SO AS NOT TO ALLOW A SINGLE SLAB POUR TO EXCEED 4000sf UNLESS ALTERNATIVE MEASURES ARE TAKEN TO CONTROL SLAB CURLING & SHRINKAGE.
- PROVIDE CJ OR CCJ JOINTS SO AS NOT TO EXCEED A SLAB UNIT ASPECT RATIO OF 1.5:1.
- ADD (2) #5 x 3'-0" REBAR @ 3" O.C. FOR CRACK CONTROL AT RE-ENTRANT CORNERS - SEE DETAIL 9 /S301
 - (S) - - INDICATES STEPPED WALL FOOTING LOCATION - SEE DETAIL 1 /S301
 - "CF" - INDICATES A STEEL COLUMN - SEE SCHEDULE ON THIS SHEET.
 - "F#/" - INDICATES A CONCRETE PIER - SEE SCHEDULE ON THIS SHEET.
 - "F#/" - INDICATES COLUMN PAD / WALL STRIP FOOTINGS - SEE SCHEDULES ON THIS SHEET.
 - "HD" - INDICATES SHEARWALL HOLDDOWN - SEE SCHEDULE ON THIS SHEET
 - HOLDOWNS ARE TO BE INSTALLED @ EACH END OF EACH SHEARWALL SEGMENT UON. INSTALL HOLDOWNS PER MANUFACTURERS SPECIFICATIONS AND DETAILS & END POST INDICATED IN SHEARWALL SCHEDULE TO BE THE SAME AS ANCHOR POST INDICATED IN HOLDOWN SCHEDULE.
 - - INDICATES STEP IN FLOOR SLAB ELEVATION - SEE DETAIL 3 /S302 ALONG RAMP AND STAIRS & DETAIL 11 /S301 AT FREEZER/COOLER SLAB.

FOUNDATION KEYNOTES

#	
2	ELECTRICAL FLOOR BOX - VERIFY NUMBER, LOCATION(S), & SIZE WITH ARCHITECTURAL AND ELECTRICAL PLANS. PROVIDE ADDITIONAL REINFORCEMENT AROUND OPENING PER DETAIL
3	BLOCK OUT FOUNDATION WALL / FOOTING AS REQUIRED FOR INSTALLATION OF MECHANICAL PIPING - VERIFY W/ MECHANICAL
5	DRILL & GROUT SET NEW FOUNDATION WALL AND FOOTING REINFORCING BARS INTO EXISTING FOUNDATION. 8" MINIMUM - SEE DETAIL
6	DRILL THROUGH (EX) FDN WALL FOR INSTALLATION OF NEW PIPING - SEE MECHANICAL FOR SIZE & LOCATION.
7	RAMP - SEE DETAILS 1/S302 & 2/S302 FOR BASE & TOP CONDITIONS. COORDINATE WITH ARCH.
8	CONTINUOUS GALVANIZED STEEL ANGLE FOR STOOP SLAB SUPPORT - SEE DETAIL 14/S302

SITE PREPARATION AND OVER EXCAVATION NOTES

- AS A BASE BID, GC IS TO ASSUME THAT THE ENTIRE BUILDING FOOTPRINT IS TO BE OVER-EXCAVATED TO X'-0" BELOW PROPOSED BUILDING F.F.E. AND X'-0" BELOW ALL PERIMETER FOOTINGS PER THE PROJECT GEOTECHNICAL REPORT. GC IS TO PROVIDE A UNIT PRICE FOR EACH ADDITION OR REDUCTION OF A CUBIC YARD OF FILL REMOVED FROM THE SITE. SEE SPECIFICATION SECTION 01 2200.
- EXCAVATIONS SHALL BE TO THE MINIMUM OVER EXCAVATION DEPTHS INDICATED OR UNTIL COMPETENT SOILS ARE REACHED. BEARING SOIL SHALL BE INSPECTED & APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF FOOTING CONCRETE.
- SEE DETAILS ON SHEET S3XX & THE PROJECT GEOTECHNICAL REPORT FOR ALL ADDITIONAL INFORMATION THAT IS REQUIRED FOR BUILDING EXCAVATIONS AND SITE PREPARATION SUCH AS UNSUITABLE SOIL TYPES TO BE REMOVED, OVER-EXCAVATION OVERSIZE REQUIREMENTS, AND ENGINEERED FILL REQUIREMENTS.

COLUMN SCHEDULE

MARK	COLUMN SIZE	BASE PLATE		ANCHOR BOLTS	DETAIL
		THICKNESS	DETAIL		
C1	HSS 4 x 4 x 3/16"	3/4"	11/S301	(4) 1/2" DIA	10/S301
C2	HSS 5 x 5 x 3/16"	3/4"	11/S301	(4) 1/2" DIA	10/S301

WALL / STRIP FOOTING SCHEDULE

MARK	SIZE	DEPTH	BOT REINFORCING		TOP REINFORCING		REMARKS
			TRANS	LONG	TRANS	LONG	
CF1-8	1'-8"	1'-0"	-	(2) #5	-	-	@ STOOPS
CF2	2'-0"	1'-0"	#4 @ 6'-0"	(2) #5	-	-	



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Foundation Plan

SHEET

S101

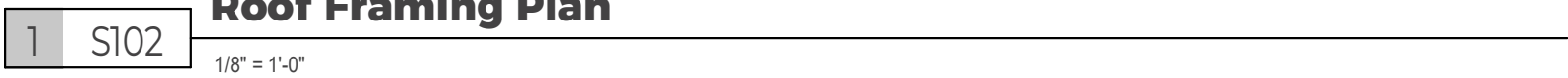
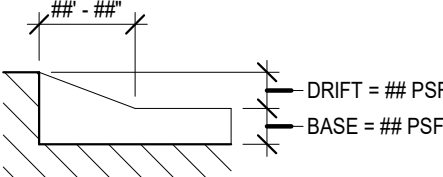
1. CONTRACTOR TO VERIFY ALL DIMENSIONS & NOTIFY ARCHITECT / ENGINEER IF DISCREPANCIES EXIST.
2. SEE SHEET S001 FOR GENERAL FRAMING / LIGHT GAUGE NOTES AND MINIMUM LIGHT GAUGE DESIGN VALUES.
3. VERIFY SIZE, QUANTITY & LOCATIONS FOR ALL ROOF PENETRATIONS
W/ ARCHITECTURAL & MECHANICAL DRAWINGS. SEE DETAIL 5 / S502 FOR FRAMING @ ALL ROOF PENETRATIONS.
4. "H" - DENOTES LIGHT GAUGE HEADER ASSEMBLY. SIZE & GAUGE OF HEADER, SIL & JAMB TO BE DETERMINED BY LIGHT GAUGE ENGINEER / SUPPLIER. SEE DETAILS ON SHEET

#	
1	HORIZONTAL/CROSS BRIDGING - QUANTITY, SIZES & ANCHORAGE AS REQUIRED BY THE STEEL JOIST SUPPLIER PER SJI STANDARDS. SEE DETAIL
4	ROOF HATCH OPENING THROUGH (EX) ROOF DECK - SEE DETAIL S/S502. VERIFY SIZE & LOCATION WITH ARCH.
6	MECHANICAL UNIT SUSPENDED FROM STRUCTURE - VERIFY SIZES & LOCATIONS WITH MECHANICAL

MARK	DECK SPECIFICATIONS
RD1	1 1/2", TYPE 'B' 20 GA. STEEL ROOF DECK, (3) SPAN MINIMUM. FASTEN W/ 5/8" Ø PUDDLE WELDS IN A 36/4 PATTERN & (1) #10 TEK SCREW SIDELAP FASTENER PER SPAN - SEE DETAIL

MARK	LINTEL	BEARING	DETAIL
L1	W x W/PL / °	°	#/S###

D1 DRIFT LOADING DIAGRAM (SNOW LOAD ONLY)



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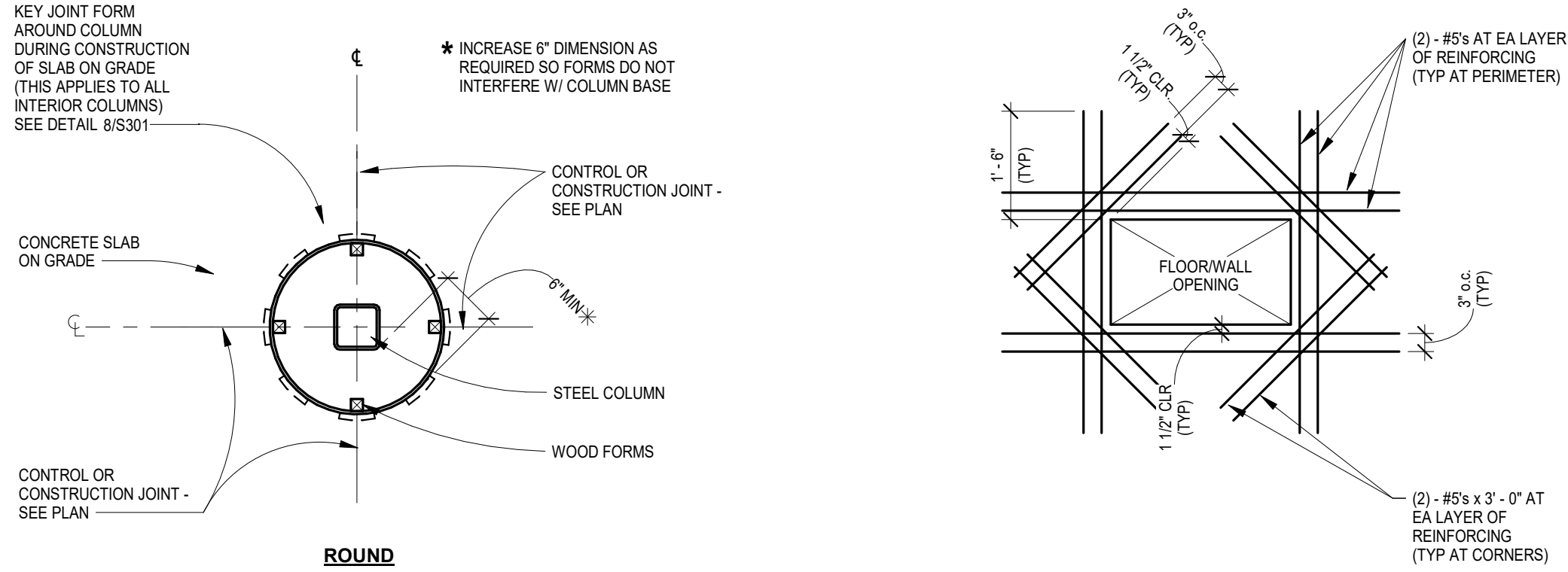
Roof Framing Plan

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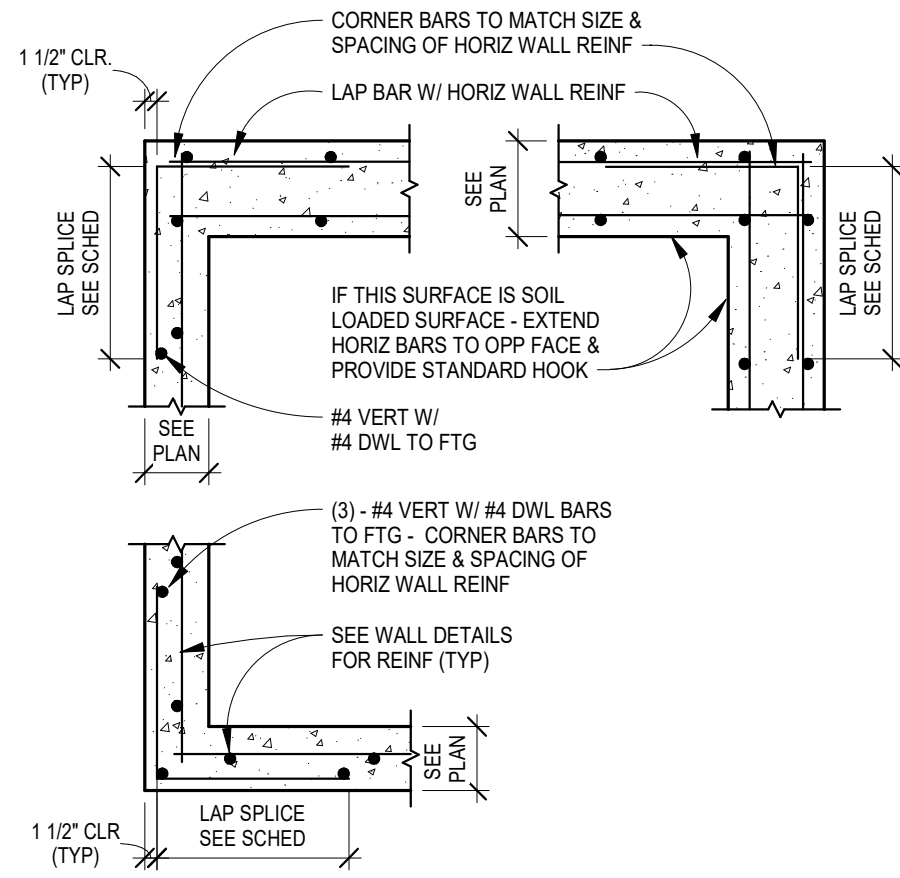
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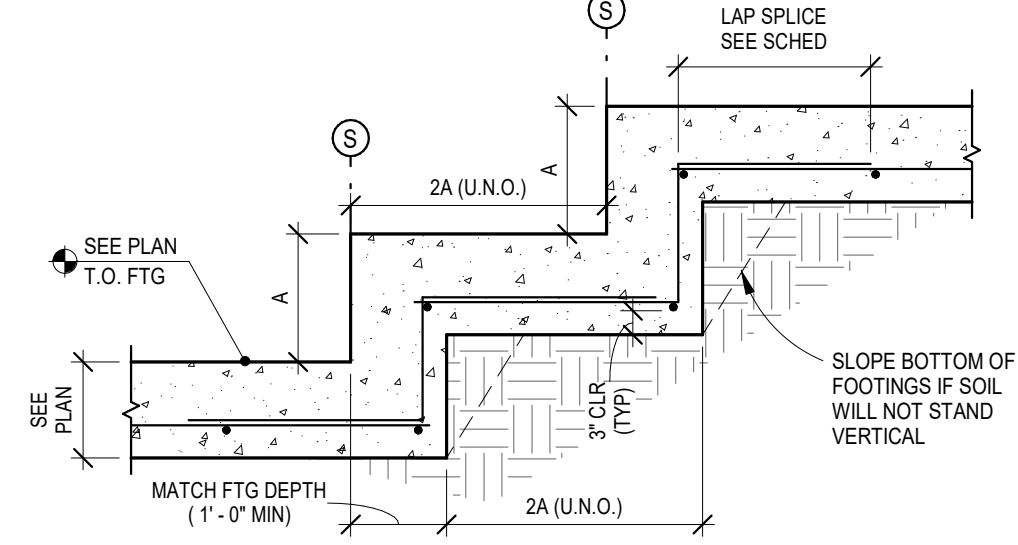
9 S301 Re-Entrant Corner Reinforcing
NO SCALE



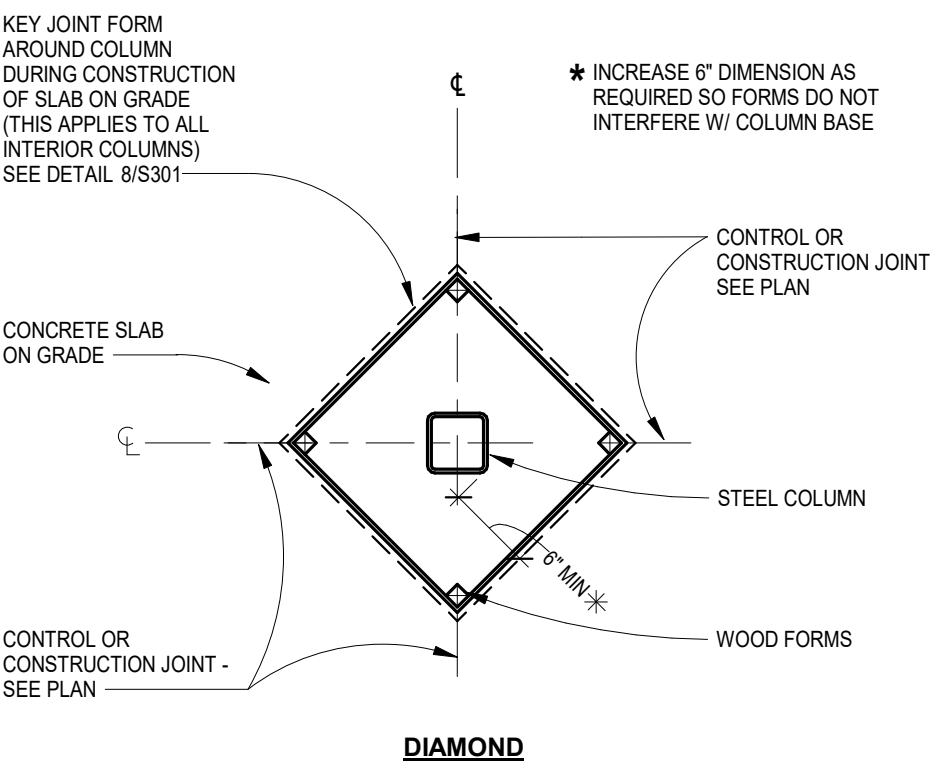
5 S301 Wall Corner Reinforcing
NO SCALE

NOTES:

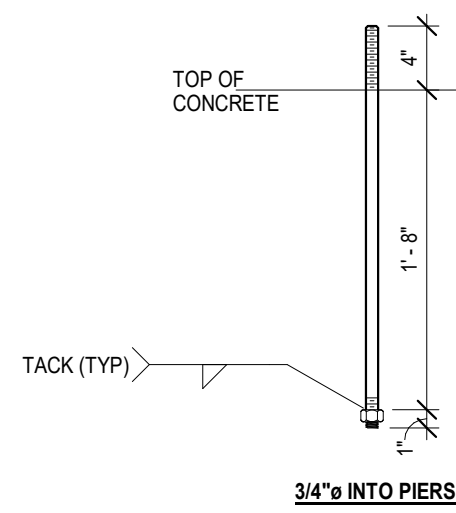
1. SEE PLAN FOR FOOTING SIZE AND REINFORCING
2. SLOPED OR STEPPED FOOTINGS SHALL BE CAST AS A UNIT
3. STEPPED FOOTING LINES SHOWN ON PLAN ARE TOP OF FOOTING



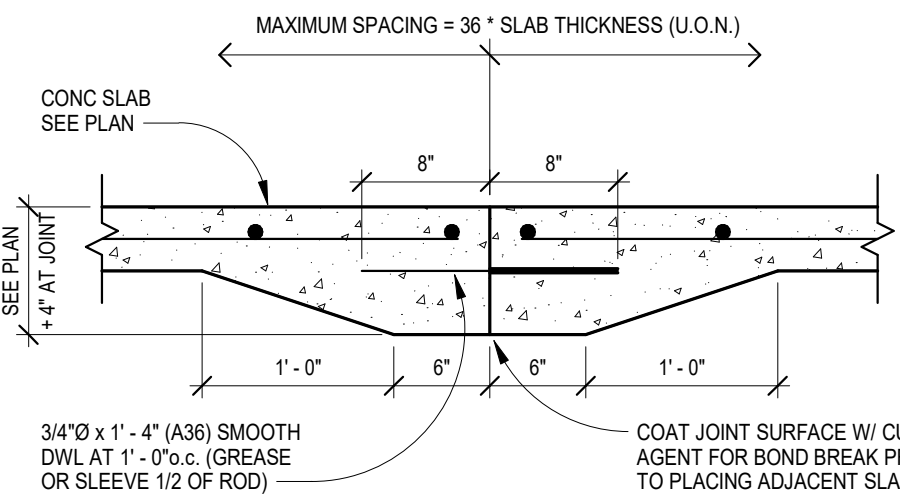
1 S301 Stepped Wall Footing
NO SCALE



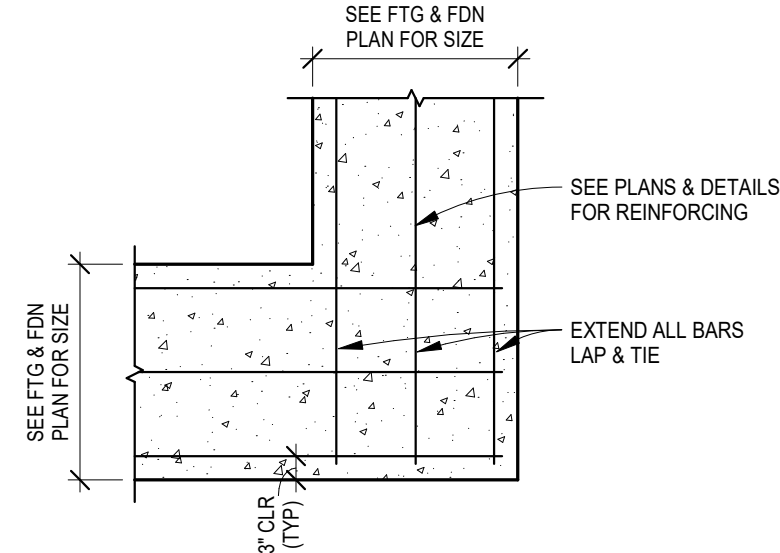
12 S301 Column Isolation Joint
NO SCALE



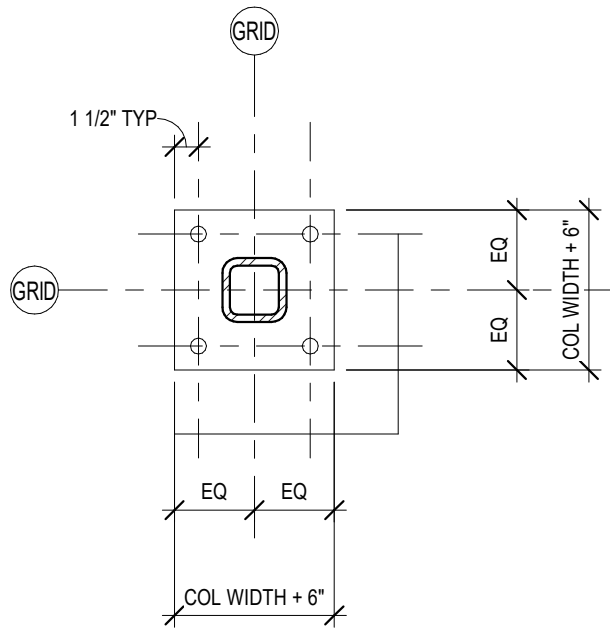
10 S301 Anchor Rods
1" = 1'-0"



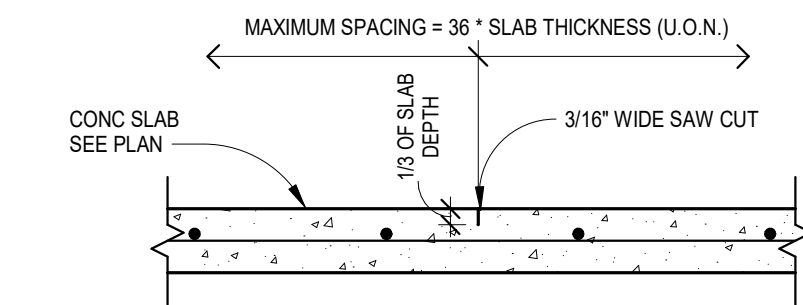
6 S301 Floor Construction Joint (CCJ)
NO SCALE



2 S301 Footing Corner
NO SCALE



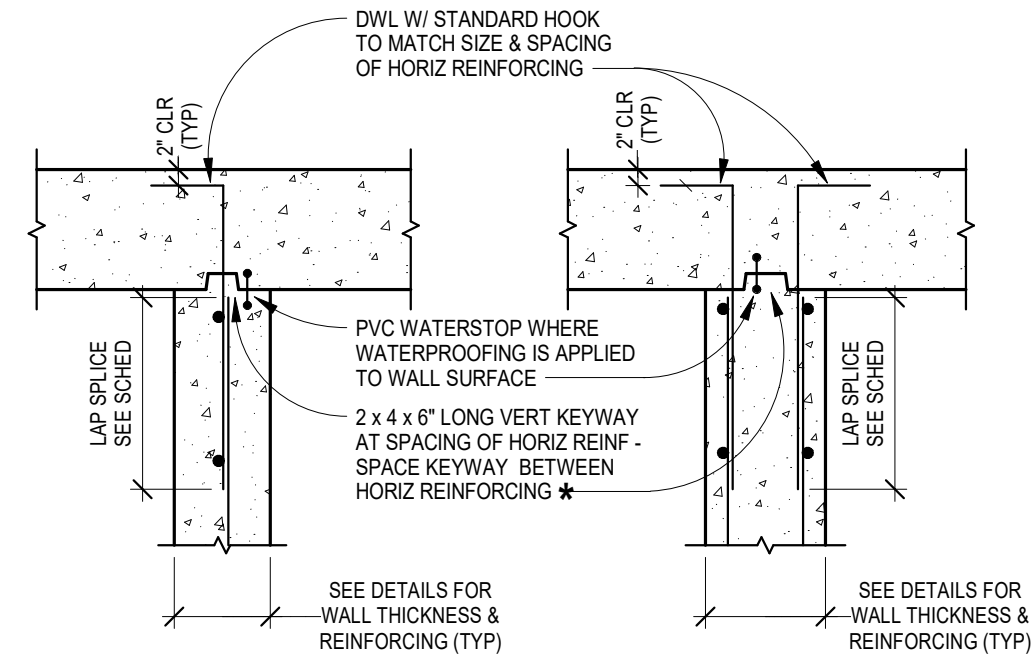
11 S301 Base Plates
1" = 1'-0"



NOTE:

SAW CUT SHALL BE EXECUTED AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT AGGREGATE DISLODGING BY SAW & PRIOR TO SHRINKAGE STRESS CRACKING

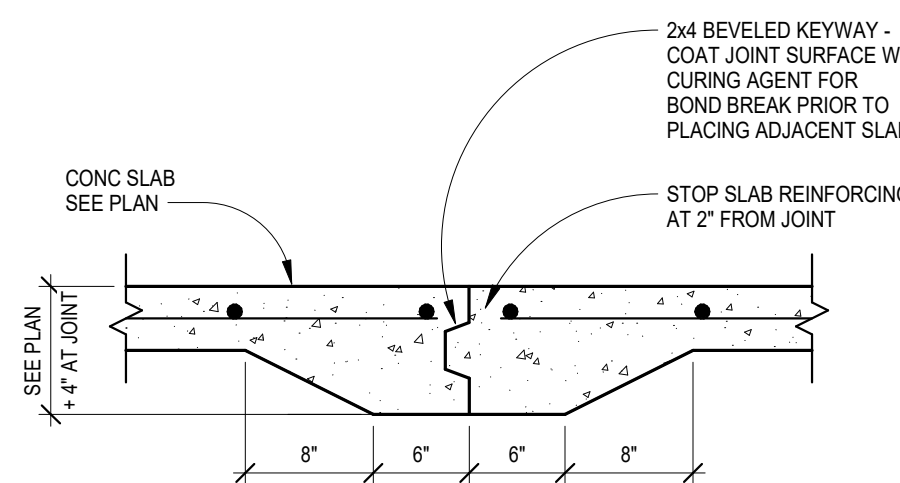
7 S301 Floor Control Joint (CJ)
NO SCALE



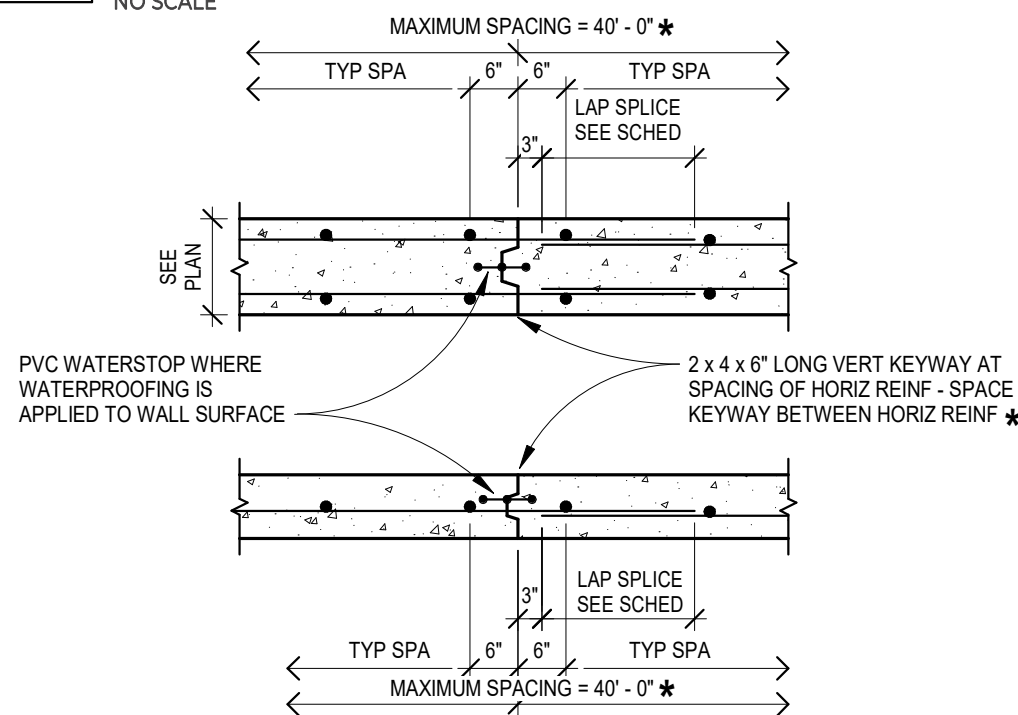
***NOTES:**

1. CONSTRUCTION JOINT SHOWN MAY BE OMITTED AT CONTRACTOR'S OPTION
2. KEYWAY TO BE CONTINUOUS WHERE PVC WATERSTOP IS REQUIRED

3 S301 Wall Intersection
NO SCALE



8 S301 Floor Key Joint
NO SCALE



***NOTES:**

1. KEYWAY MAY BE CONTINUOUS AT CONTRACTOR'S OPTION
2. MAXIMUM JOINT SPACING DIMENSION MAY BE INCREASED TO
 - 80' - 0" IF INTERIOR SURFACE IS NOT EXPOSED
 - 120' - 0" IF WALL IS BACKFILLED ON BOTH SIDES FULL HEIGHT

4 S301 Wall Construction Joint (WCJ)
NO SCALE



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DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/2026

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Foundation Details

SHEET

S301



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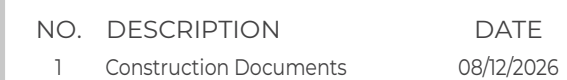
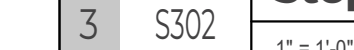
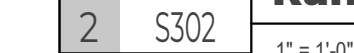
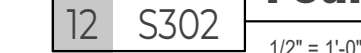
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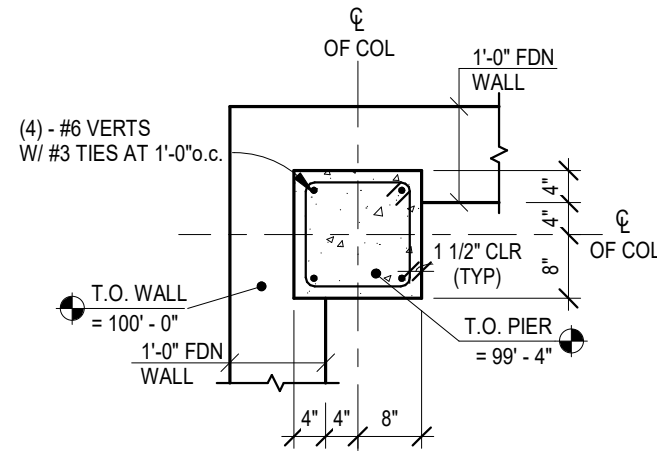
13	S302	1/2" = 1'-0"
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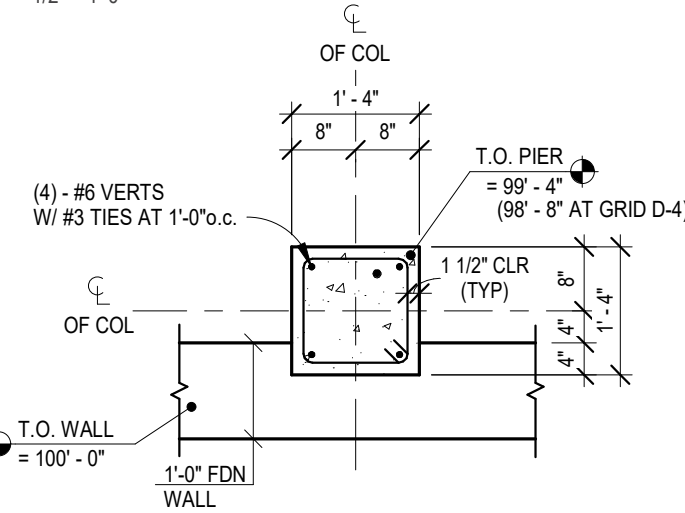
JN: 23-018

Standard Foundation Details

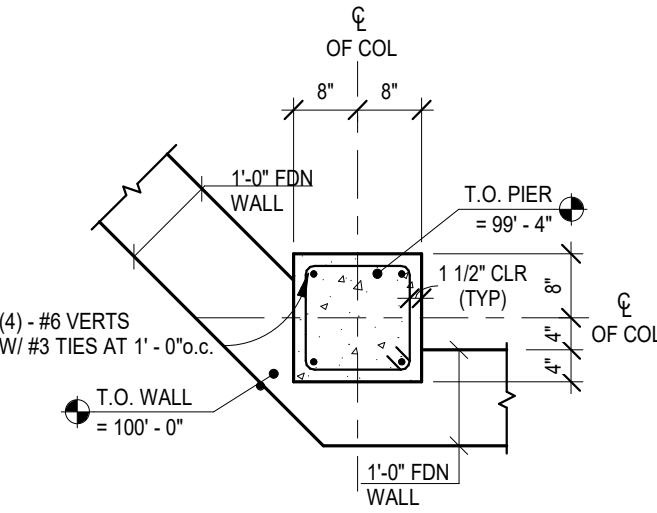
S302



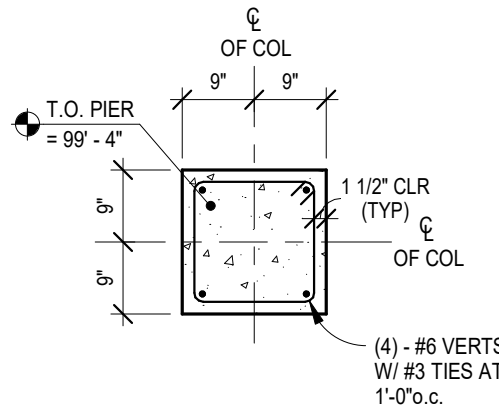
P1 S303 Pier 1/2" = 1'-0"



P2 S303 Pier 1/2" = 1'-0"



P3 S303 Pier 1/2" = 1'-0"



P4 S303 Pier 1/2" = 1'-0"



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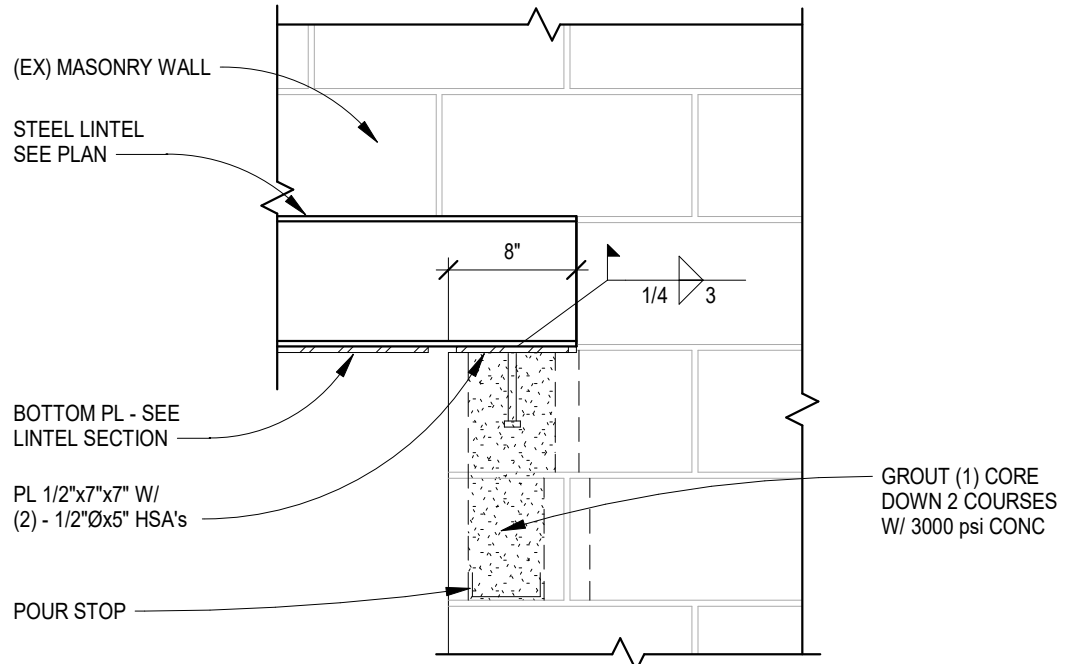
DRAWN BY: MFJ, CMM

JN: 23-018

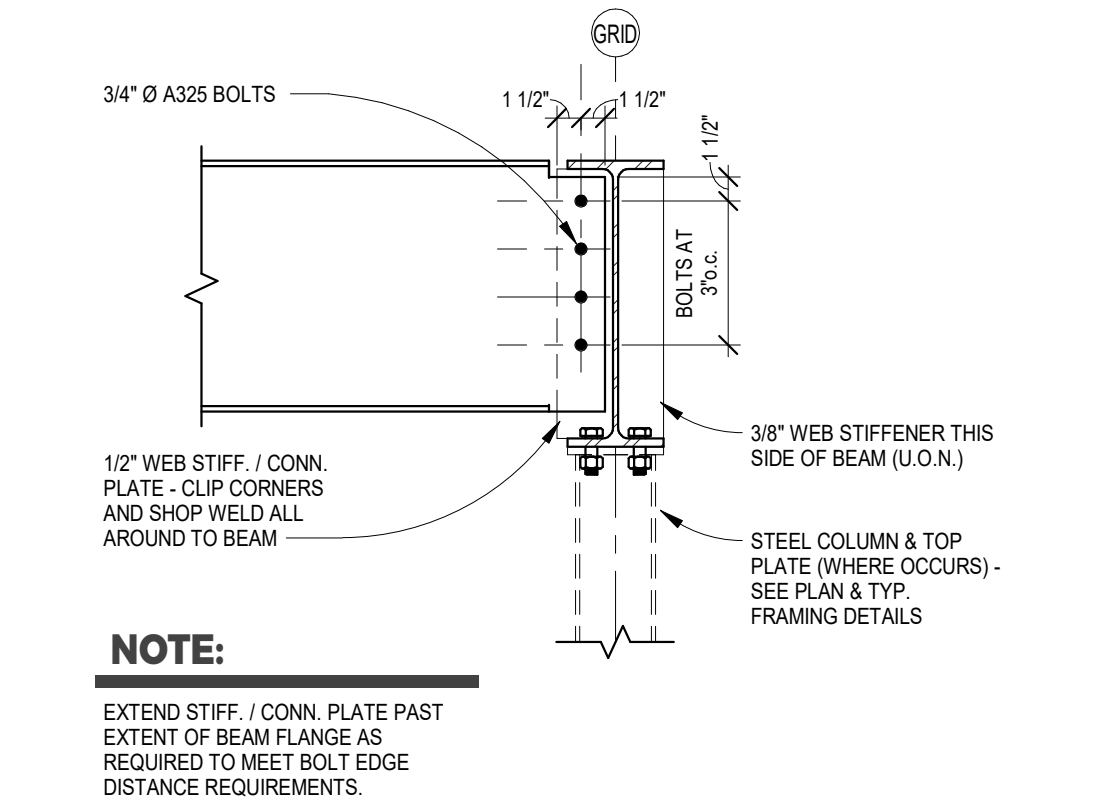
Foundation Details

SHEET

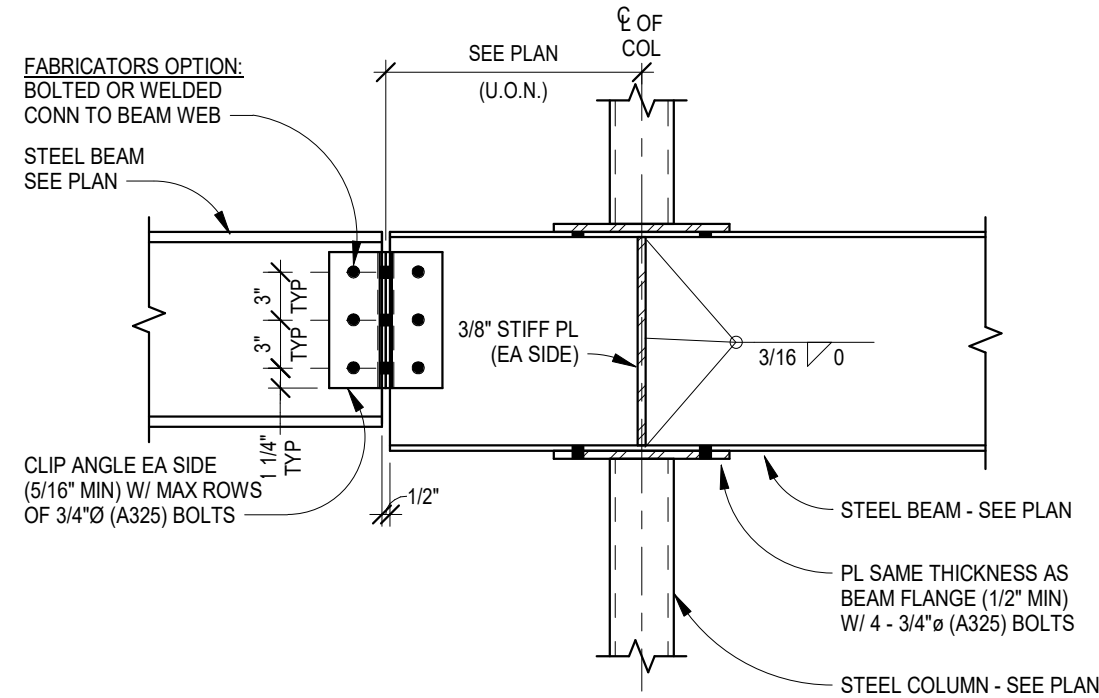
S303



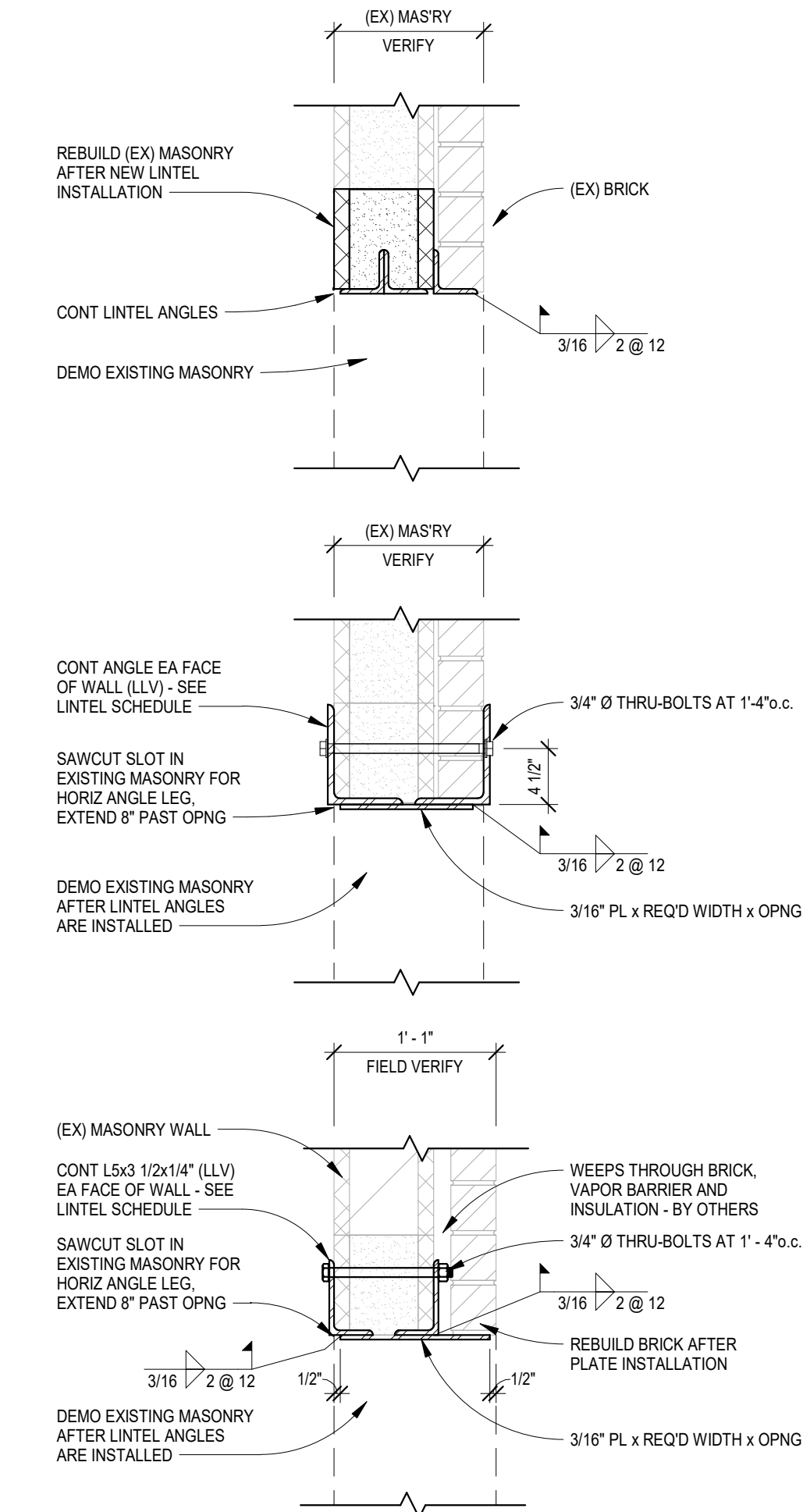
6 S501 Lintel Bearing
1" = 1'-0"



3 S501 Beam Connection At Stiffener Plate
1" = 1'-0"



4 S501 Beam/Column Connection
1" = 1'-0"

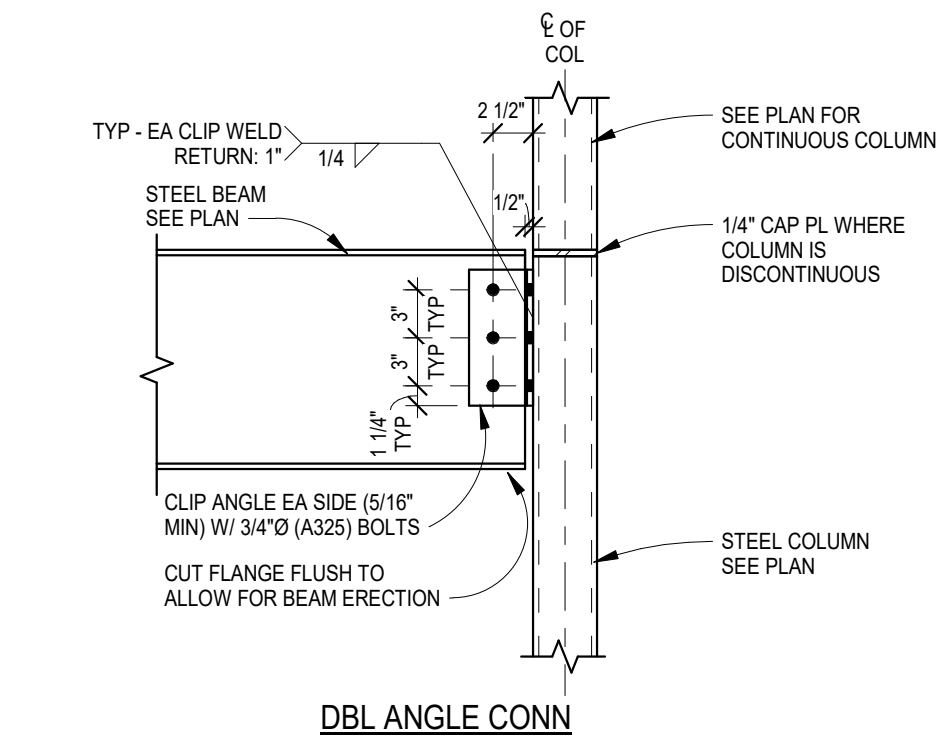


5 S501 Opening at (EX) CMU
1" = 1'-0"

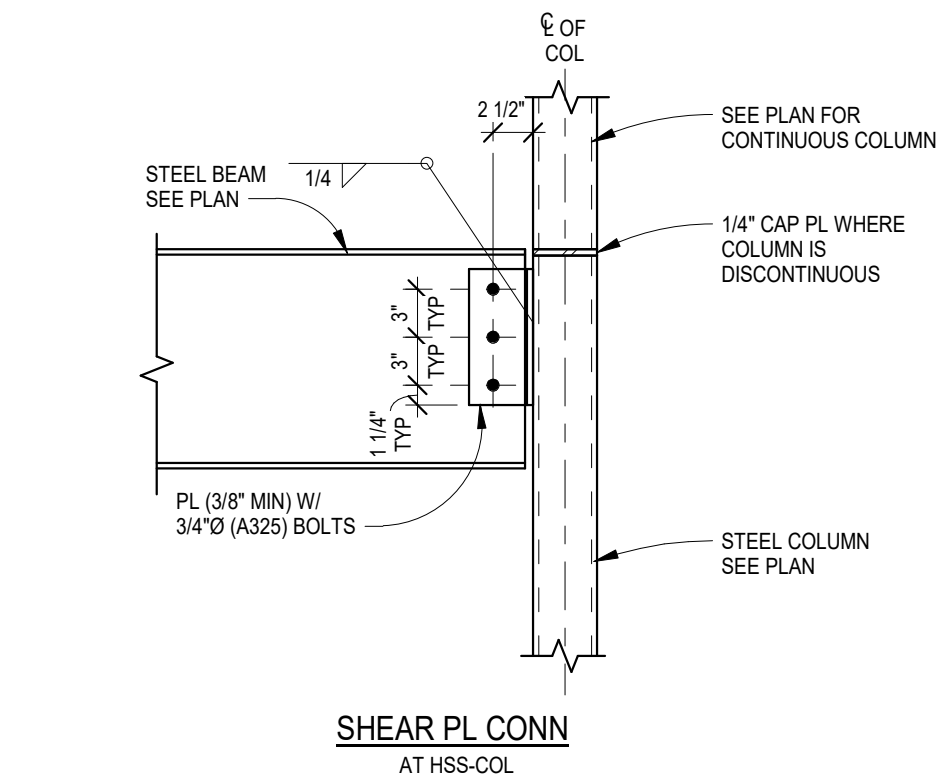
STEEL CONNECTION NOTES:

- NOTES ARE APPLICABLE FOR ALL STEEL BEAM CONNECTIONS INCLUDING BEAM-BEAM, BEAM-COLUMN AND BEAM-EMBED PL FOR ALL SHEAR AND MOMENT CONNECTIONS.
- USE NUMBER OF ROWS OF BOLTS REQUIRED BASED ON REACTIONS LISTED ON PLANS. USE MINIMUM ROWS AS LISTED.
- WHERE BEAMS FRAME IN FROM BOTH SIDES OF GIRDER, ADD OSHA ERECTION BOLT TO BOTTOM OF CONN IN ADDITION TO MINS ROWS OF BOLTS.
- SINGLE ANGLE CONN (W/ REQ'D CAPACITY) SHALL BE USED AT LOCATIONS OF LIMITED 2-SIDE ACCESS.
- SKWEVED BEAMS
 - IF BEAM IS SKWEVED $\leq 45^\circ$, USE BENT PL's (3/8" MIN) INSTEAD OF ANGLES. BENT PL's PERPENDICULAR TO GRAIN.
 - IF BEAM IS SKWEVED $> 45^\circ$, USE SHEAR PL (3/8" MIN) INSTEAD OF ANGLES.

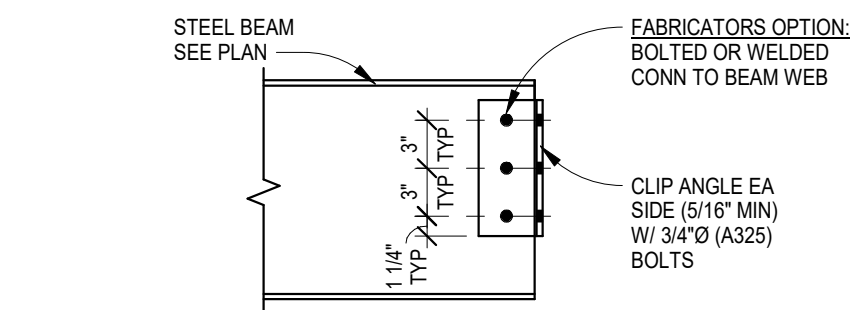
BEAM SIZE	MINIMUM ROWS OF BOLTS
W8, 10	2
W12, 14, 16	3
W18, 21	4
W24, 27	5
W30	6



DBL ANGLE CONN



1 S501 Beam/Column Connection
1" = 1'-0"



2 S501 Framed Beam Conn
1" = 1'-0"



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1	Construction Documents	08/12/2026

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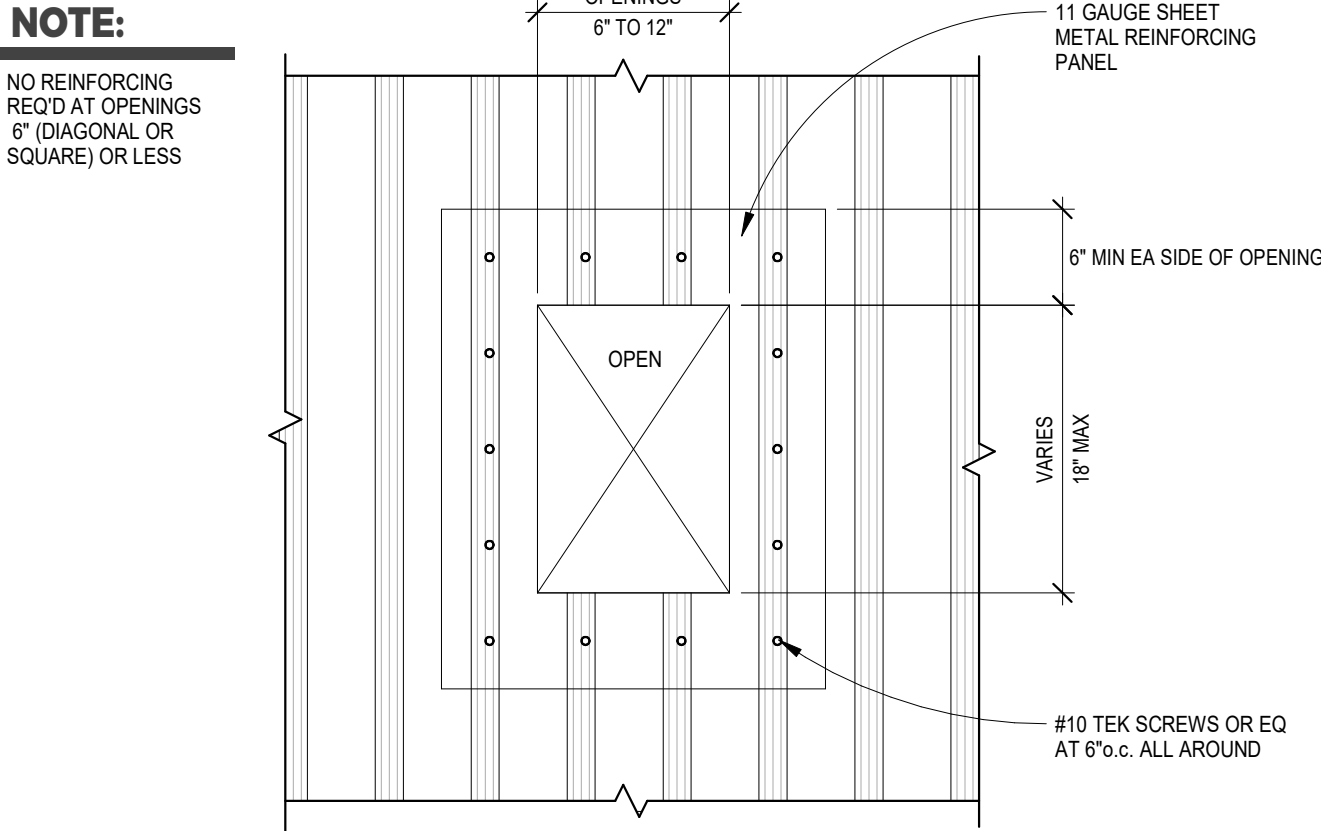
Framing Details

SHEET

S501

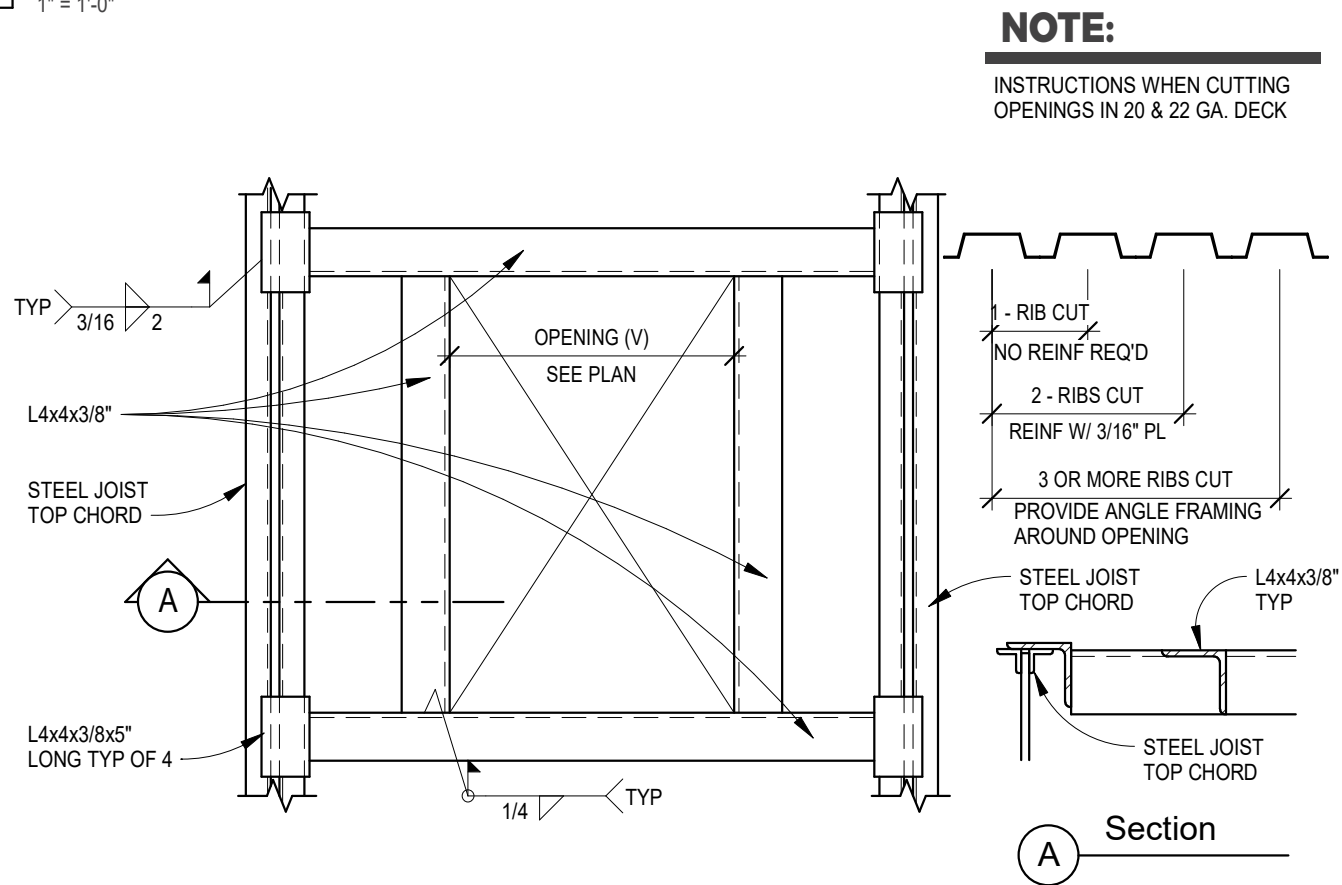
Autodesk Docs: 022-018 American Legion - New Town ND23-018 - New Town American Legion - STRUCT.rvt

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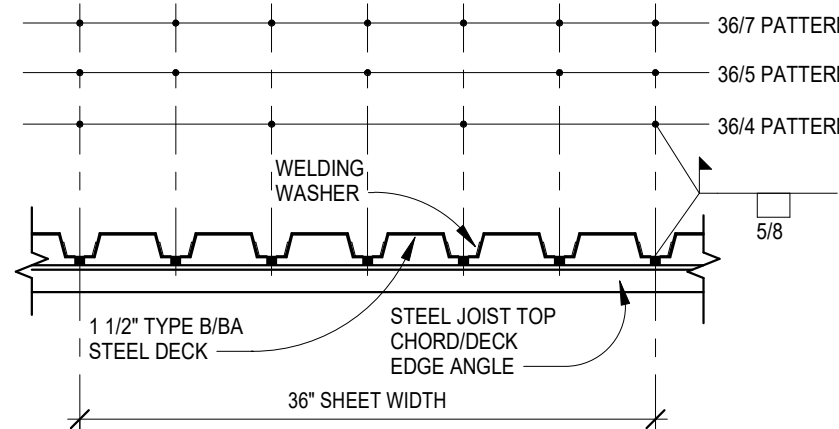
4 S502 Roof Deck Opening

1" = 1'-0"



5 S502 Roof Deck Opening

1" = 1'-0"



NOTES:

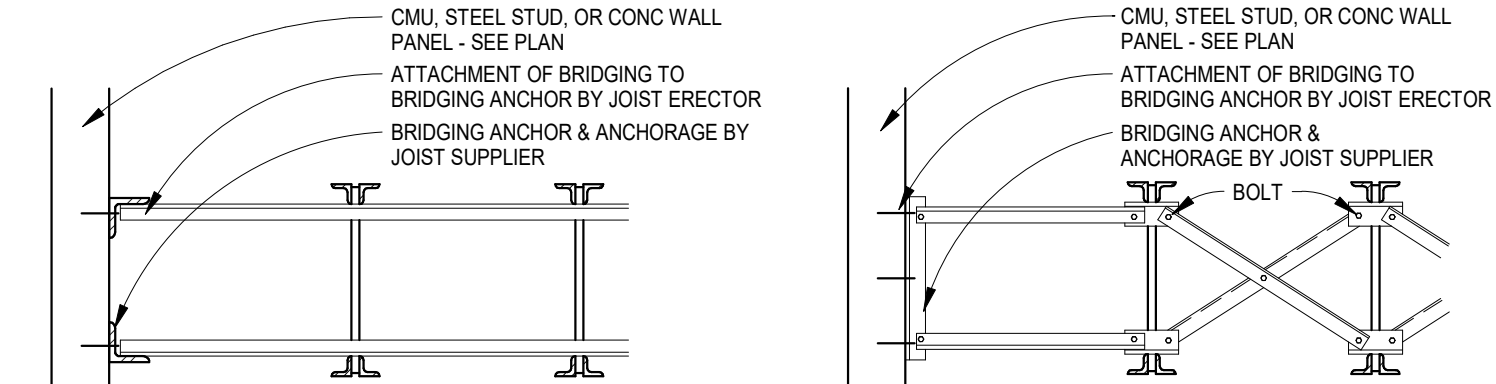
1. WHEN SPAN EXCEEDS 5'-0". SIDES LAPS SHALL BE FASTENED AT MID SPAN OR 3'-0" INTERVALS (WHICHEVER IS SMALLER) W/ #10 TEK SCREWS.
2. LAP DECK ENDS 2" MINIMUM AND WELD TO SUPPORT AT 6" o.c.
3. SEE PLAN FOR DECK FASTENING PATTERN (36/4 MIN).
4. SIDE LAP FASTENERS SHALL BE #10 TEK SCREWS - SEE PLAN FOR REQUIREMENTS.
5. WELDING WASHERS REQUIRED FOR DECK 22 GA & LIGHTER. WASHERS SHALL BE 16 GA W/ NOMINAL 1" HOLE.
6. IN LIEU OF WELDS THE CONTRACTOR MAY USE HILTI STEEL DECK FASTENING SYSTEM W/ THE SAME PATTERN. HILTI FASTENERS ARE AS FOLLOWS: BAR JOIST/STRUC STL IF < 3/8", USE X-HSN 24 BAR JOIST/STRUC STL IF > 3/8", USE X-ENP-19L15

★ WASHERS MAY BE OMITTED AT 22 GA DECKING IF CONTRACTOR CAN DEMONSTRATE CAPACITY TO PROPERLY WELD DECK WITHOUT WASHER.

(TYPE 'B')

6 S502 Deck Fastening

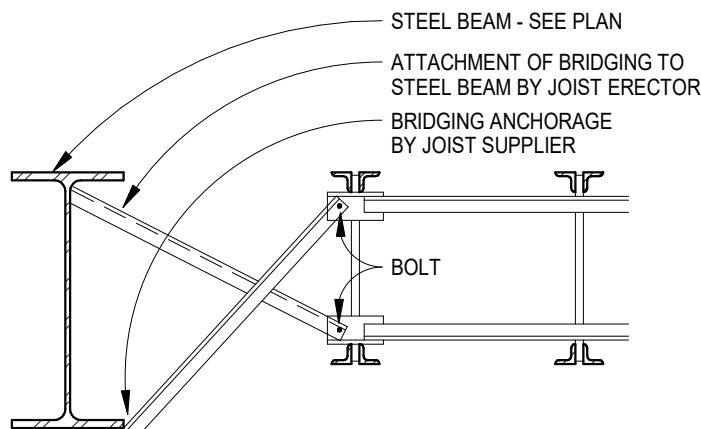
1" = 1'-0"



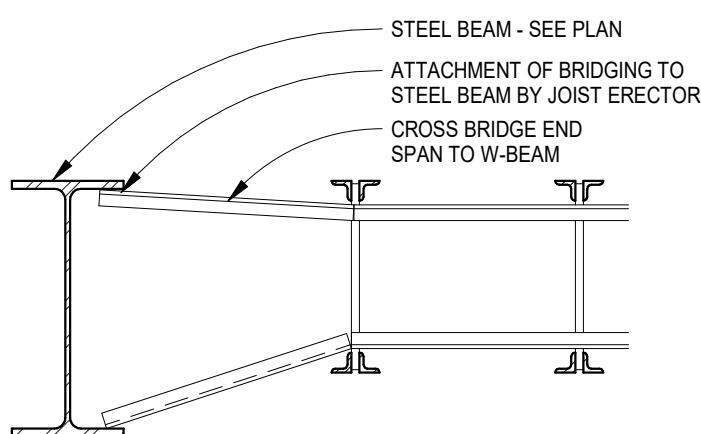
NOTE:

FIELD WELD ALL CONNECTIONS

HORIZONTAL BRIDGING



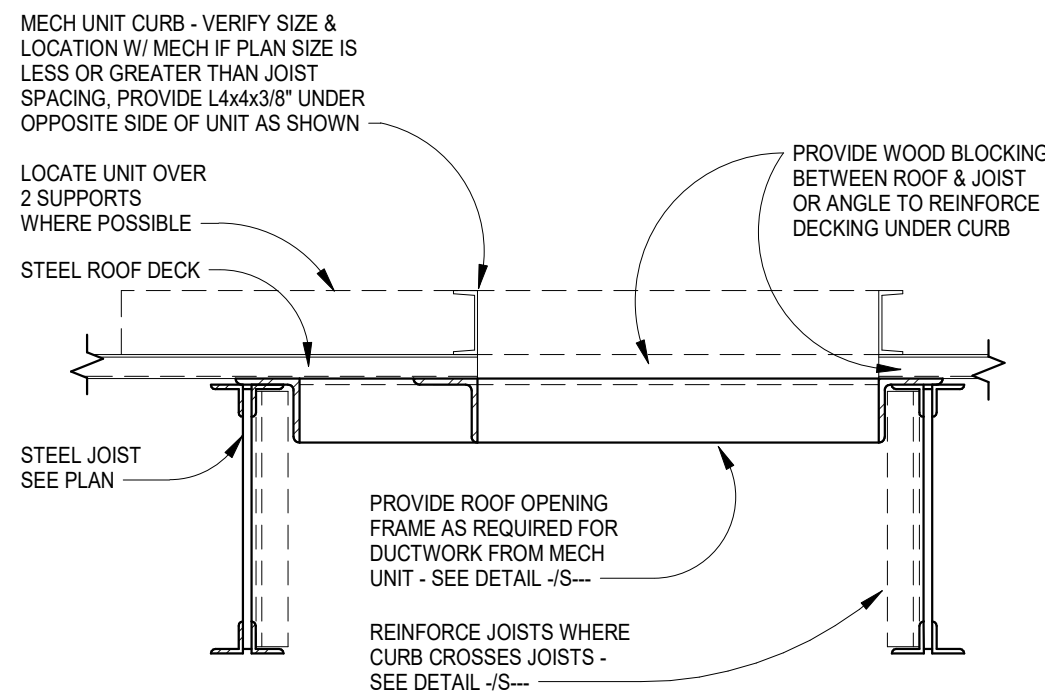
HORIZONTAL BRIDGING



HORIZONTAL BRIDGING

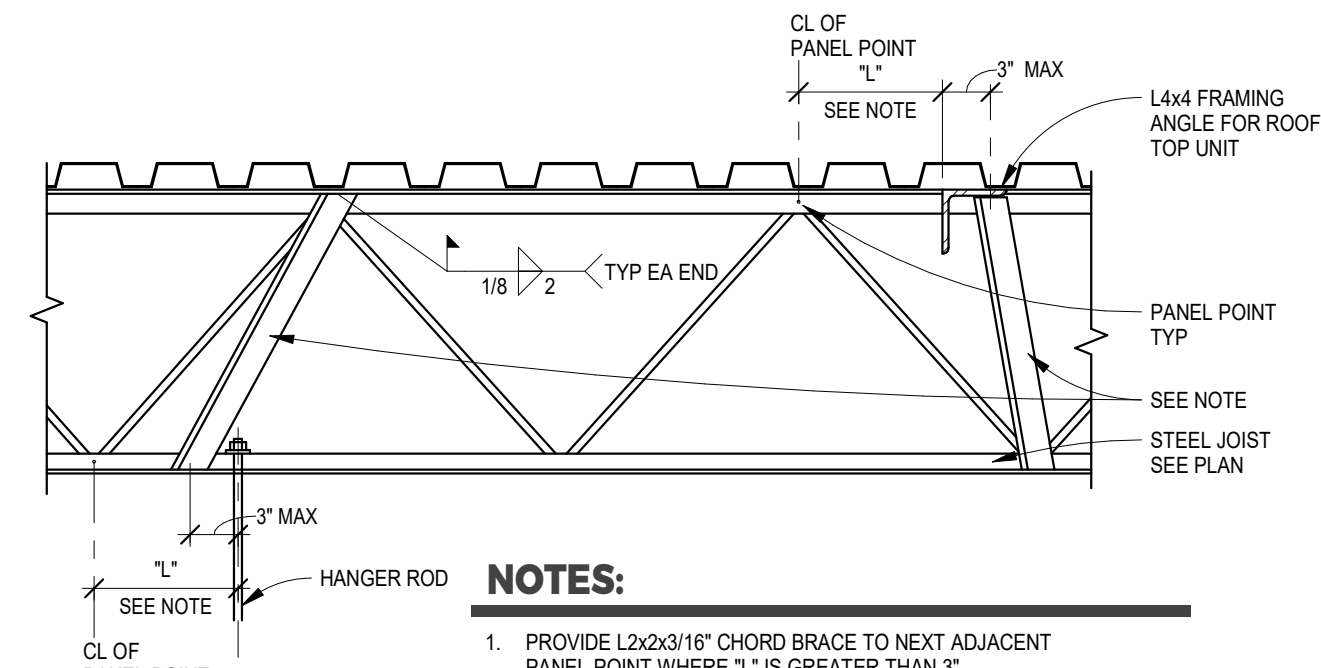
1 S502 Typical Joist Bridging Anchorage

1" = 1'-0"



2 S502 Mechanical Support

1" = 1'-0"



NOTES:

1. PROVIDE L2x2x3/16\"/>
2. WELDING TO JOIST SHALL BE PERFORMED BY CERTIFIED WELDERS. TAKE CARE TO AVOID DAMAGE OR LOSS OF SECTION OF JOIST COMPONENTS BY OVER-WELDING.

3 S502 Joist Reinforcement

1" = 1'-0"



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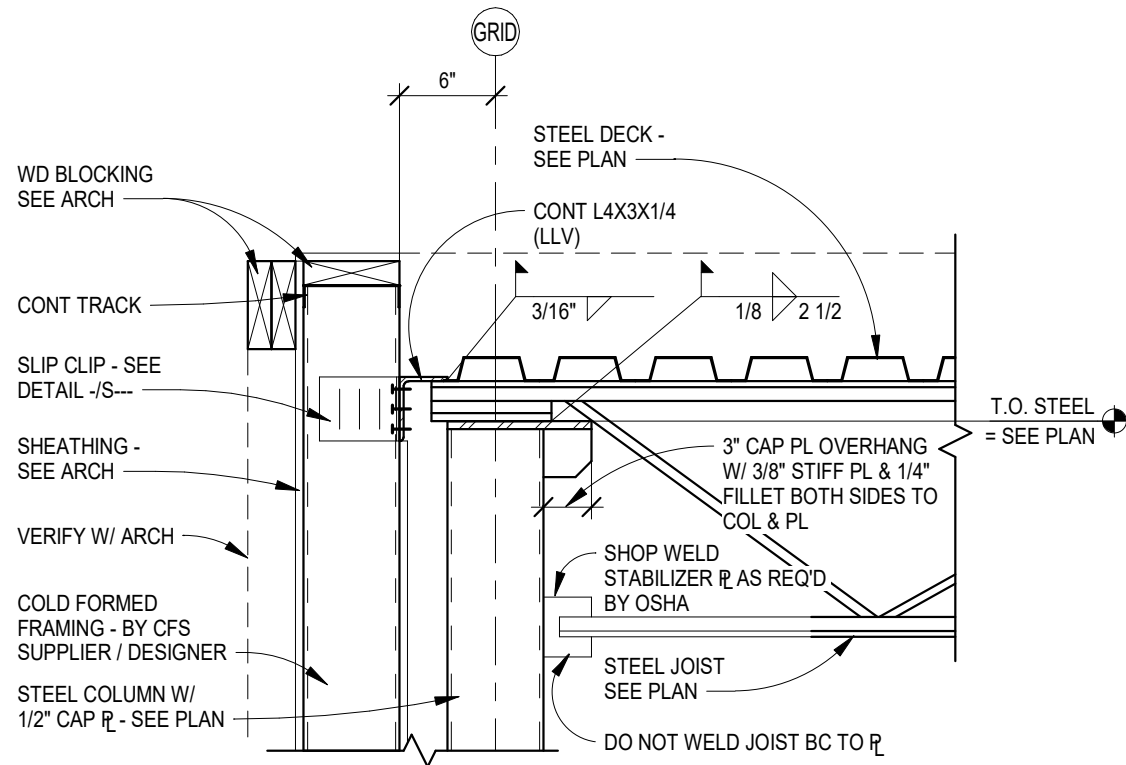
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JN: 23-018

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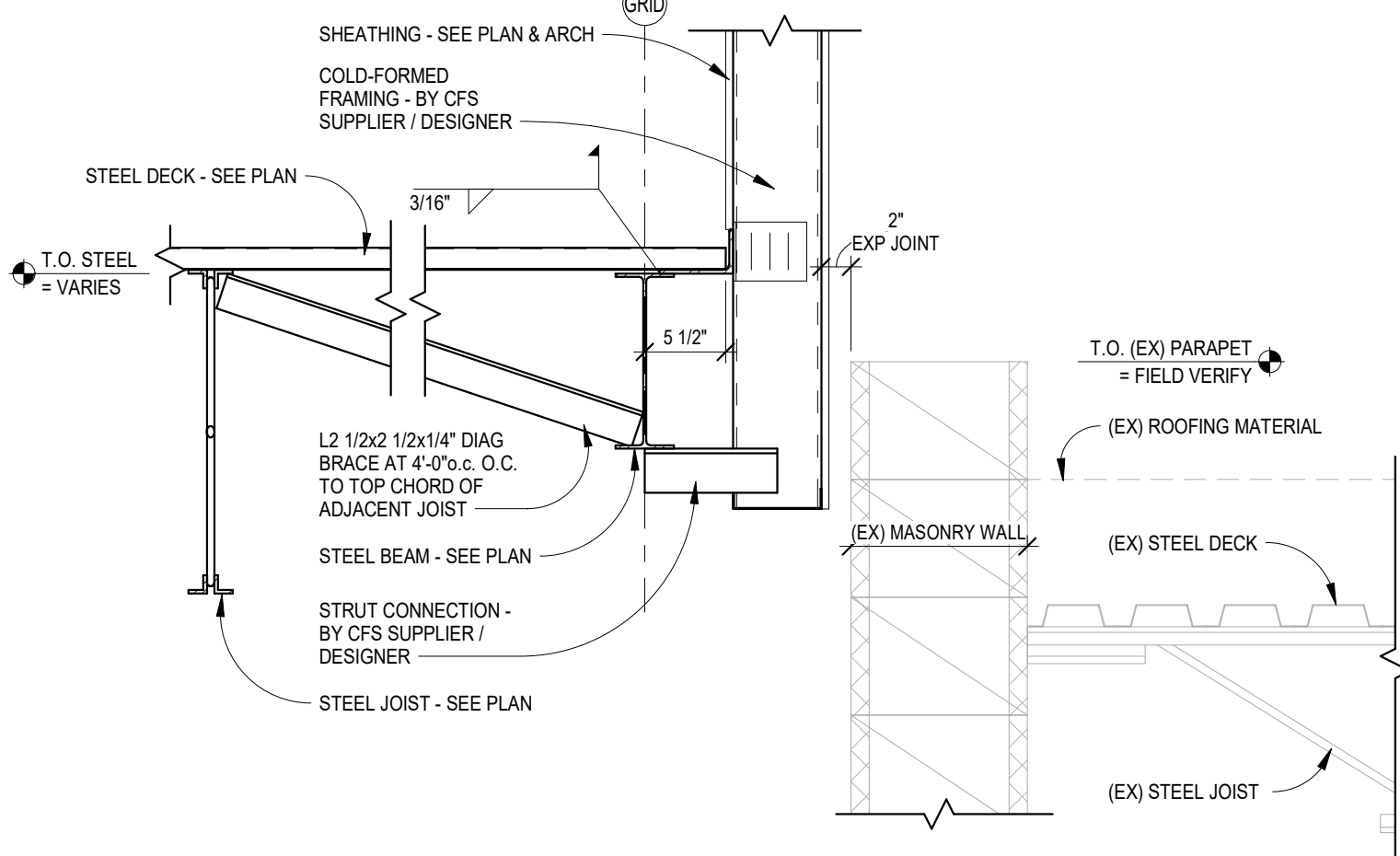
SHEET

S502



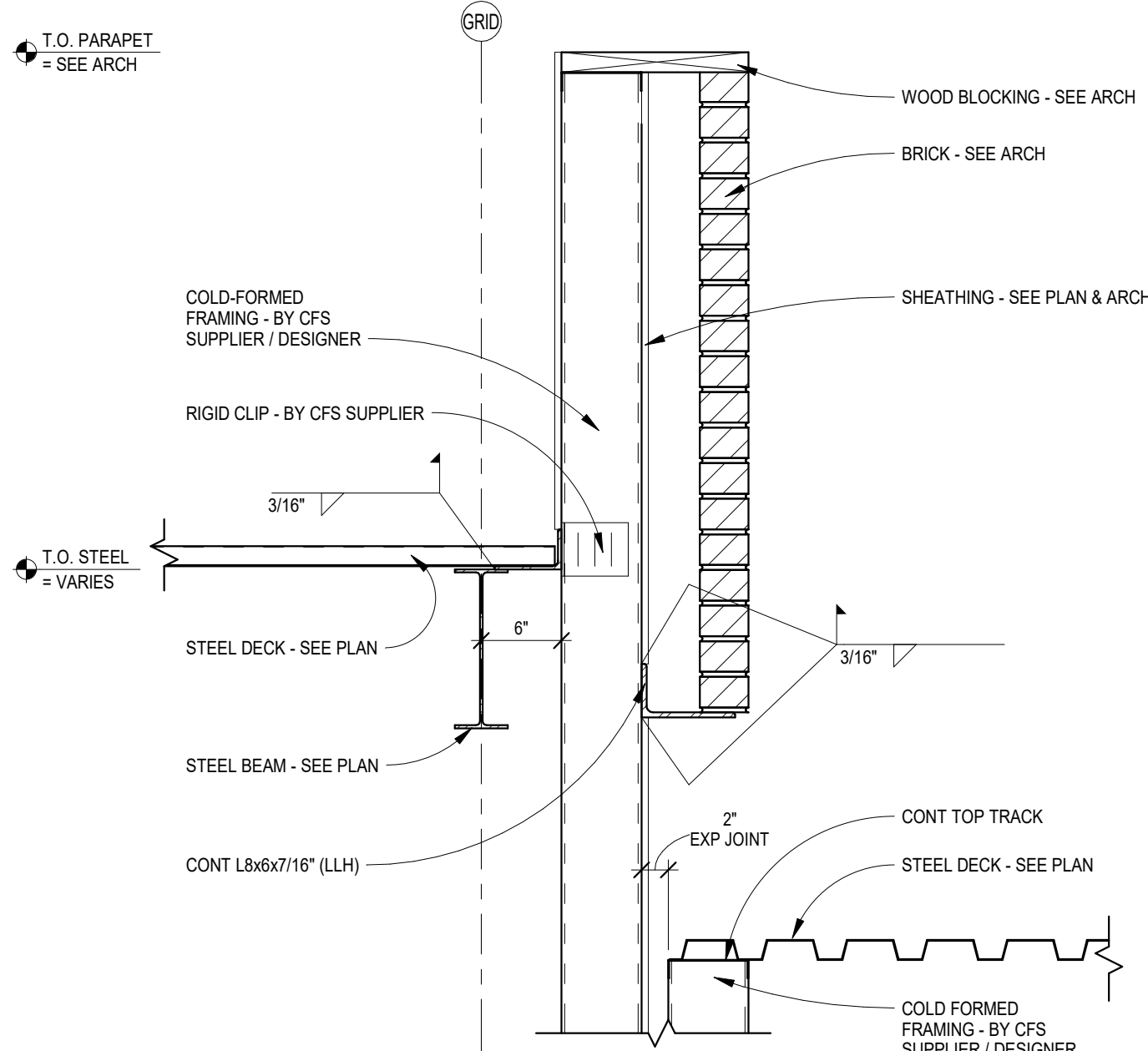
13 S503 Joist Bearing

1" = 1'-0"



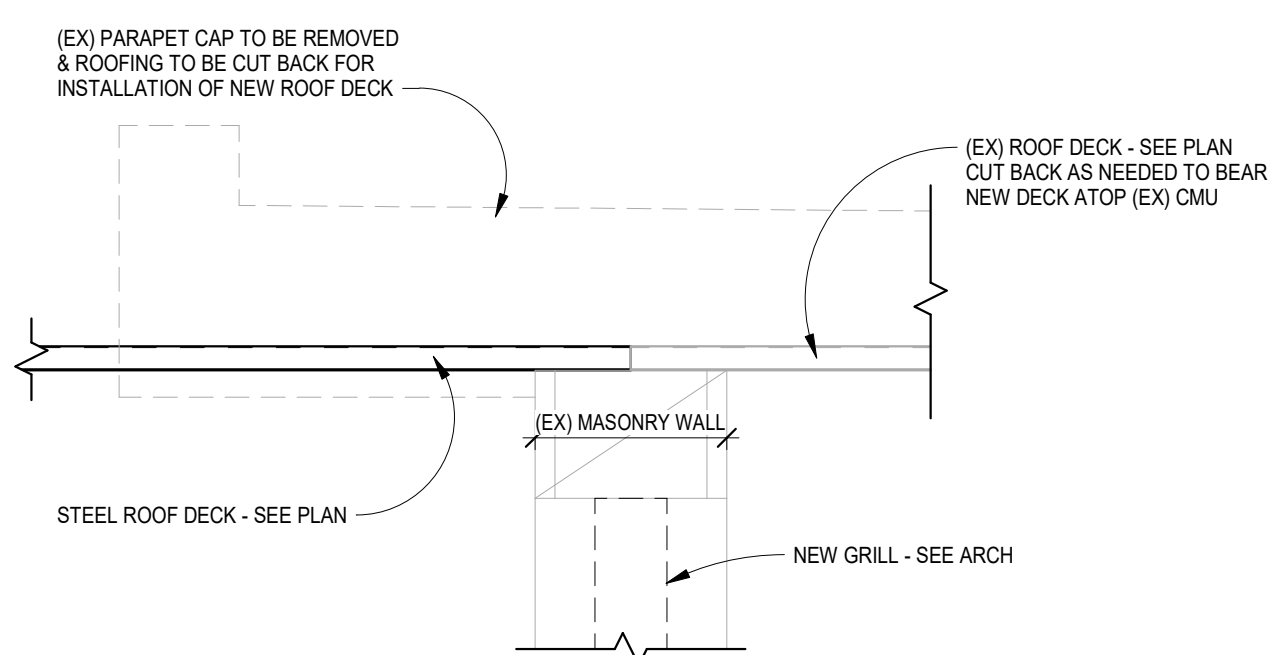
9 S503 Parapet Brg Along (EX)

1" = 1'-0"



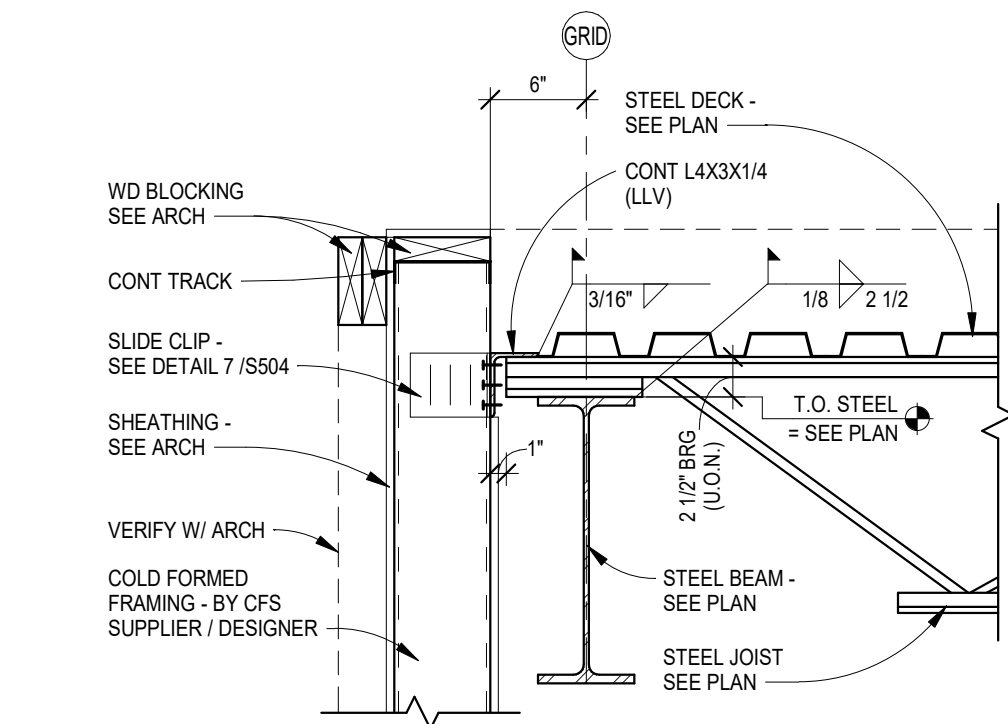
10 S503 Deck Brg Along (EX)

1" = 1'-0"



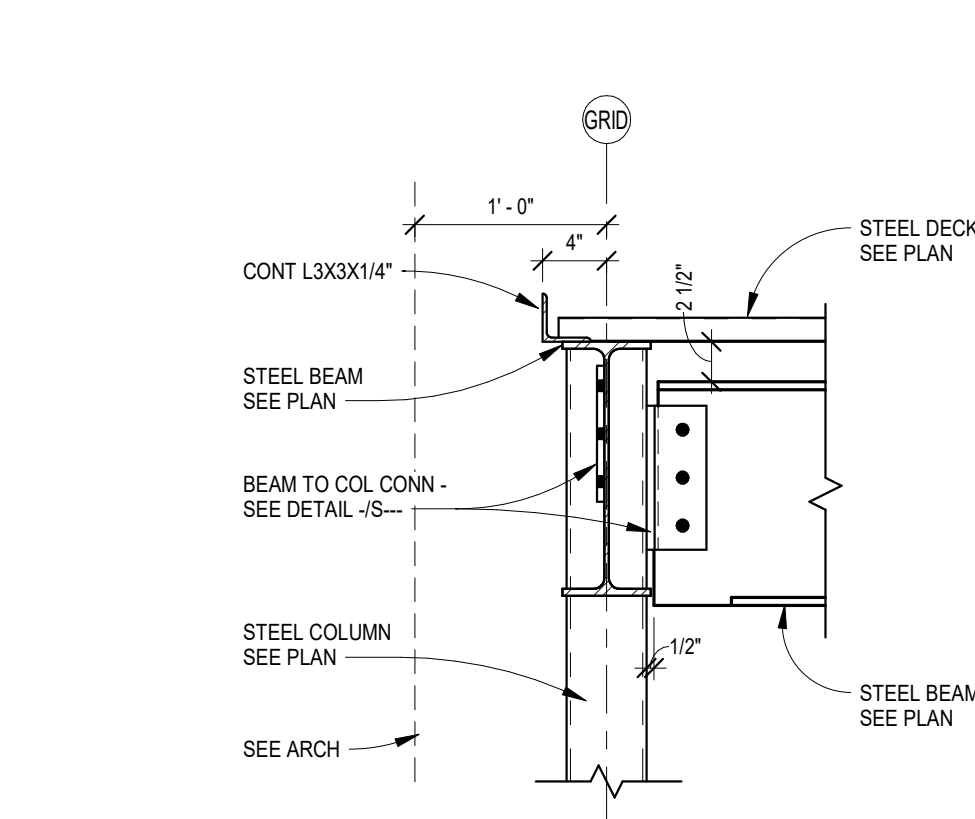
11 S503 New Deck Brg on (EX) CMU

1" = 1'-0"



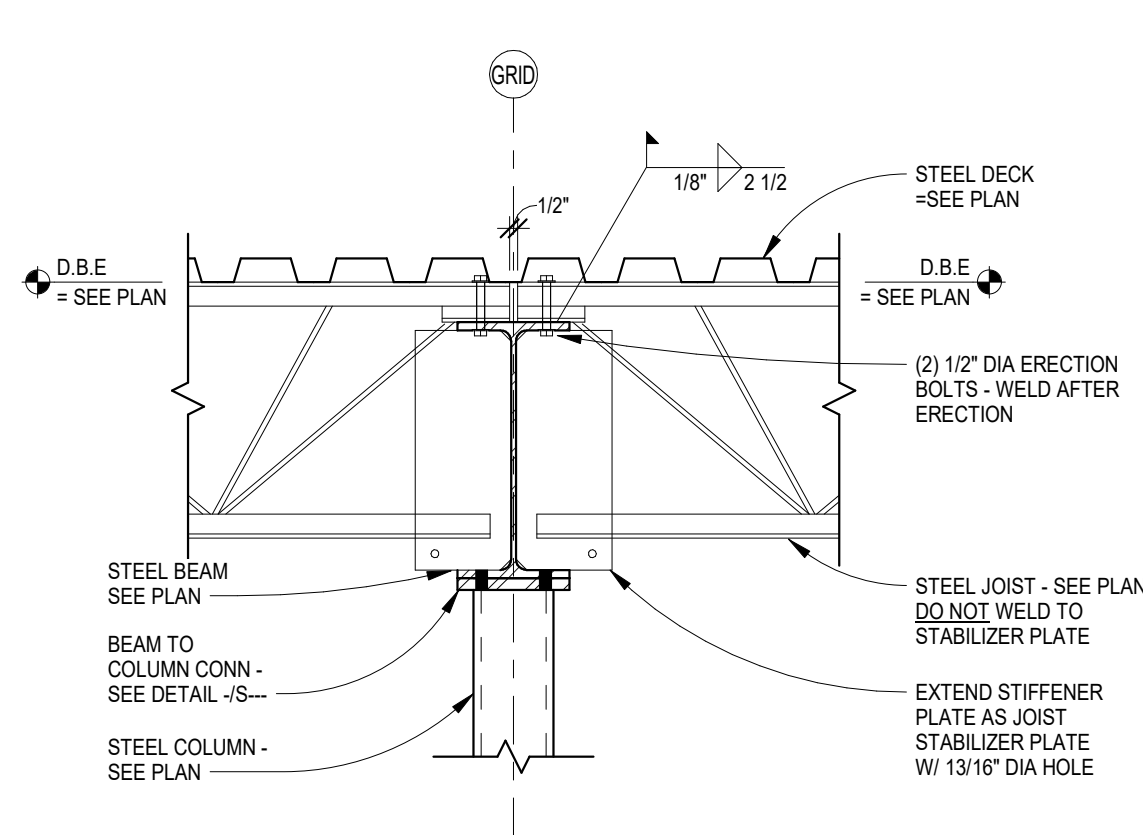
12 S503 Joist Bearing

1" = 1'-0"



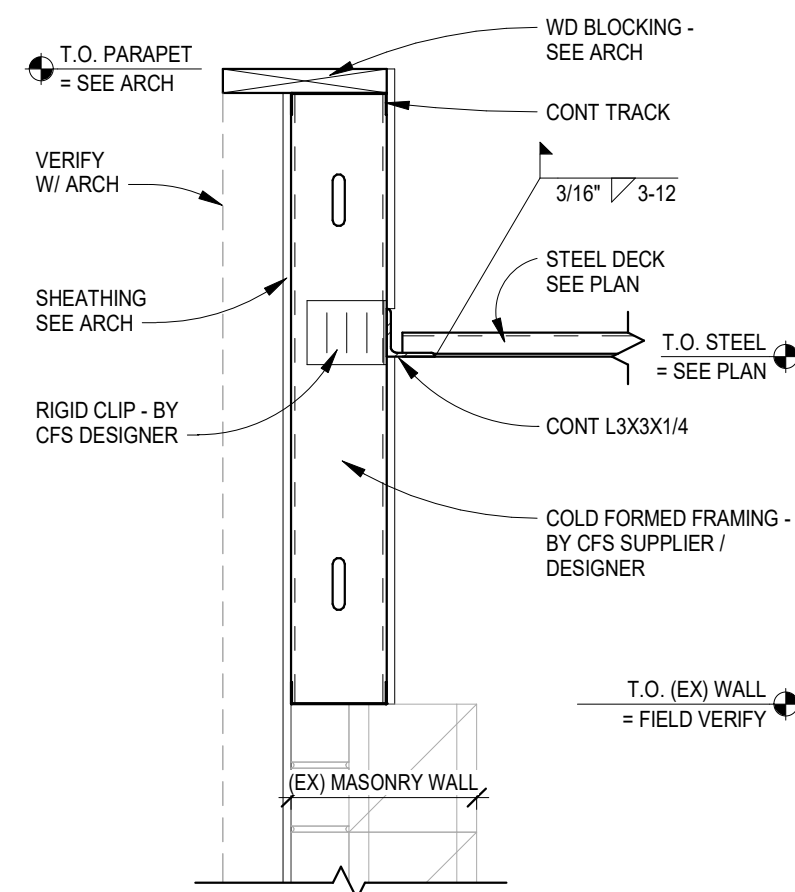
5 S503 Beam to Column

1" = 1'-0"



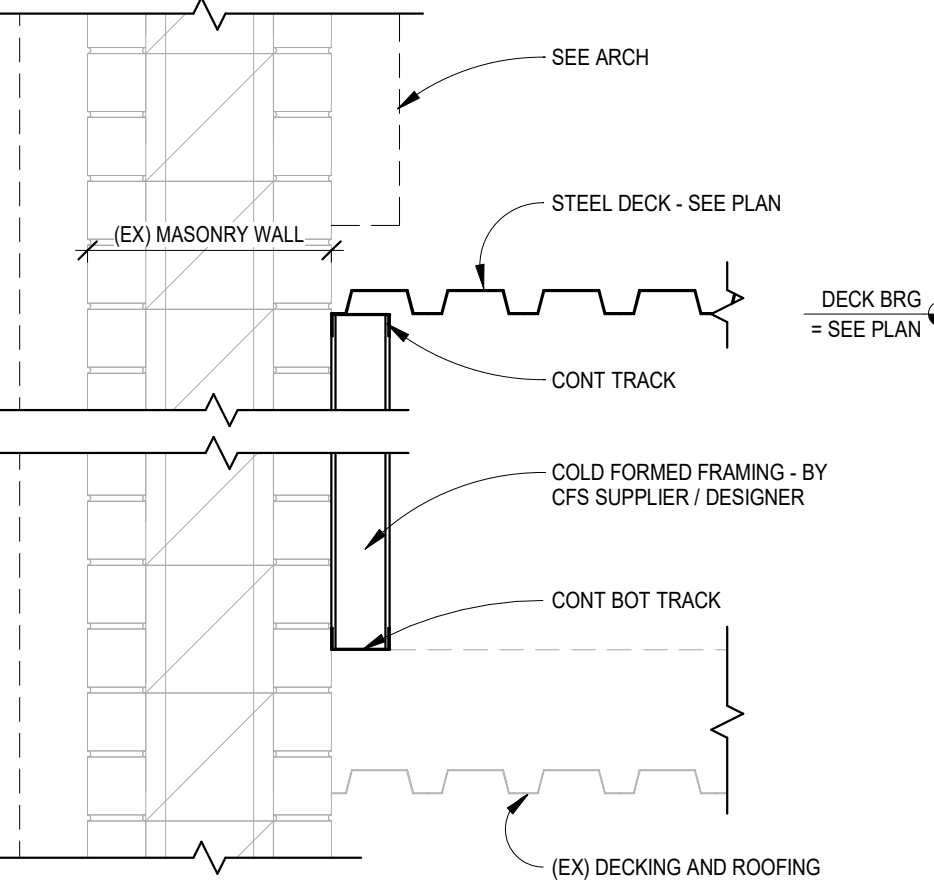
6 S503 Joist Bearing at Column

1" = 1'-0"



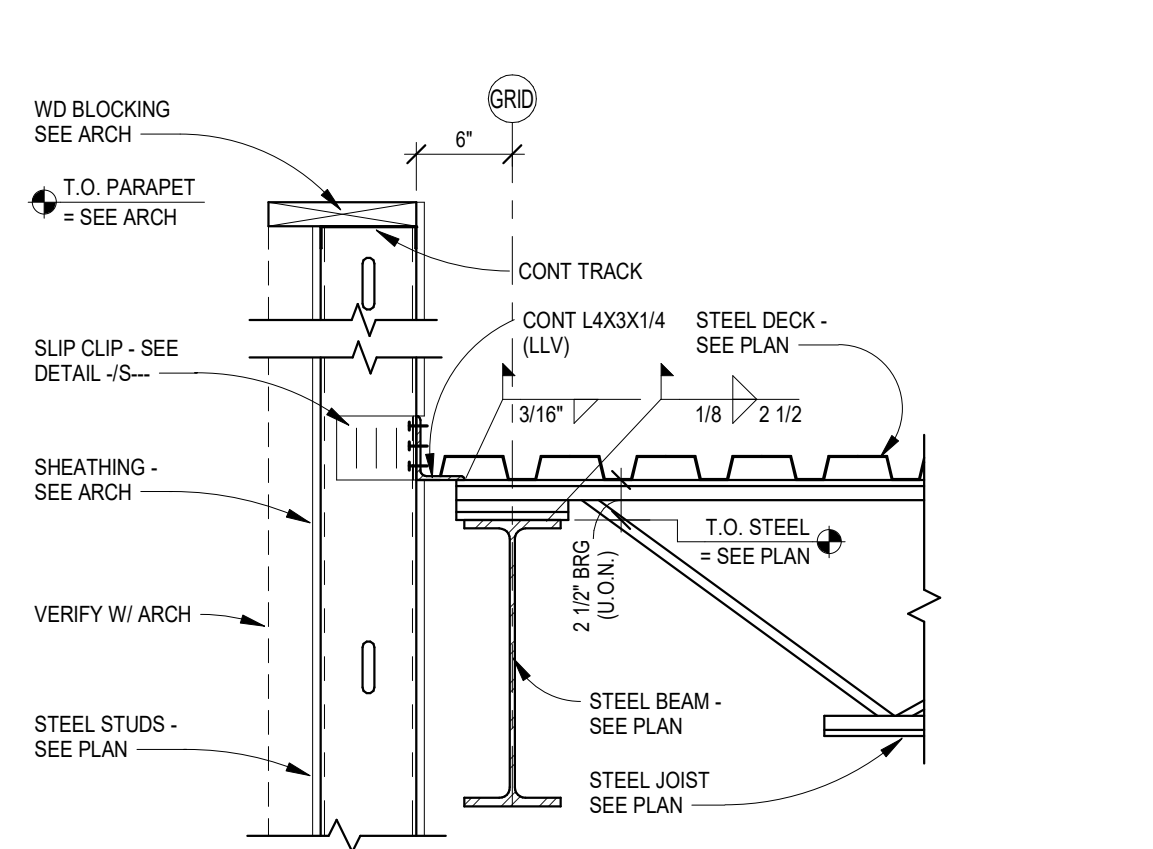
7 S503 Deck Bearing

1" = 1'-0"



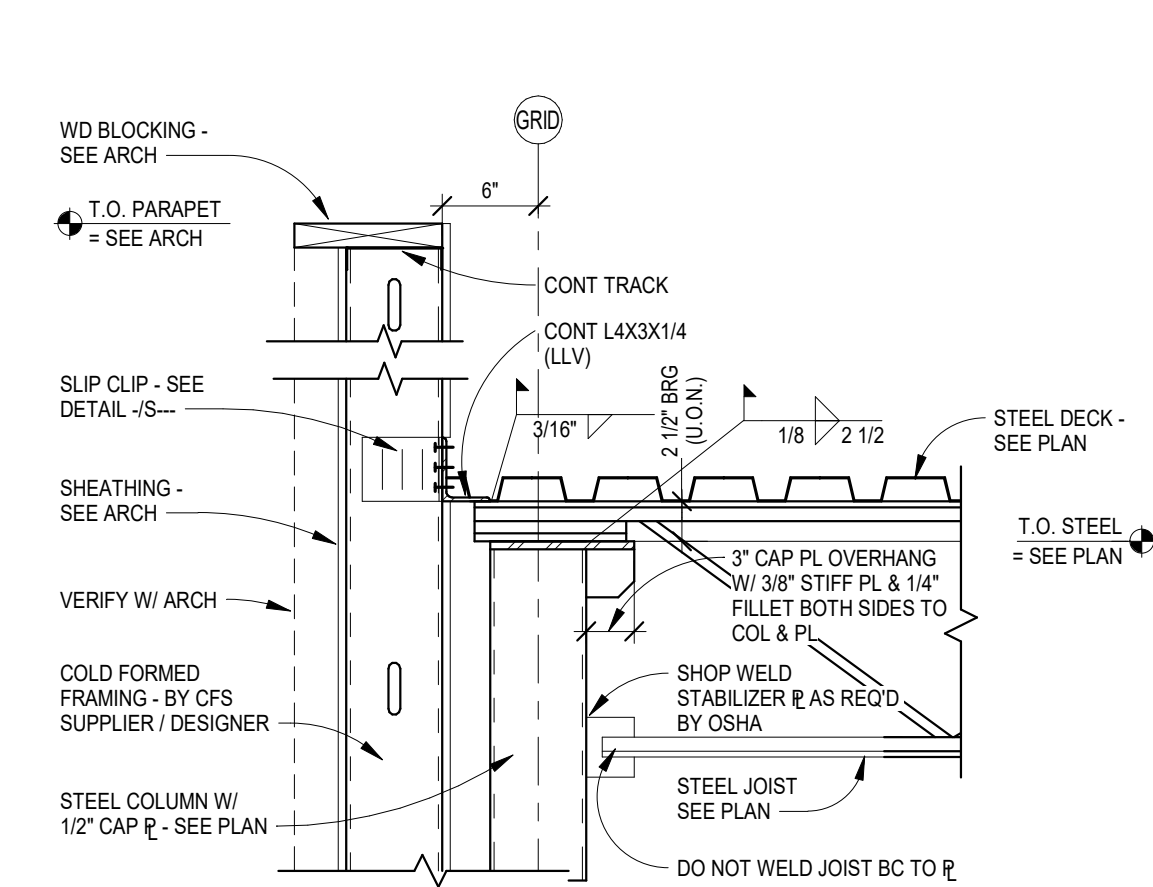
8 S503 New Deck Along (EX) CMU

1" = 1'-0"



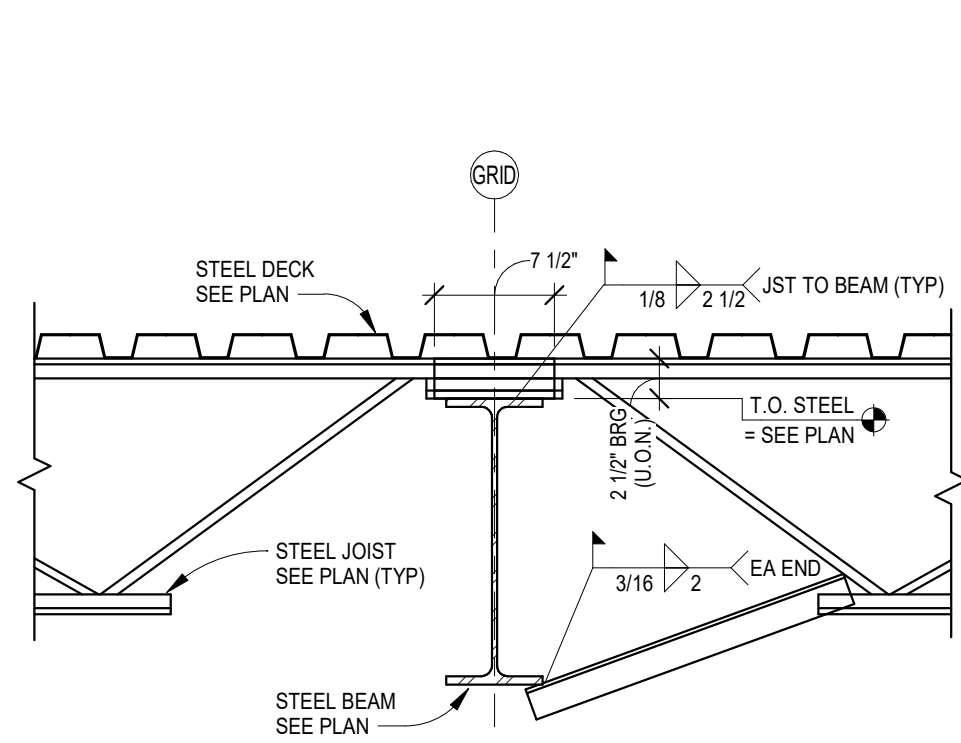
1 S503 Joist Bearing

1" = 1'-0"



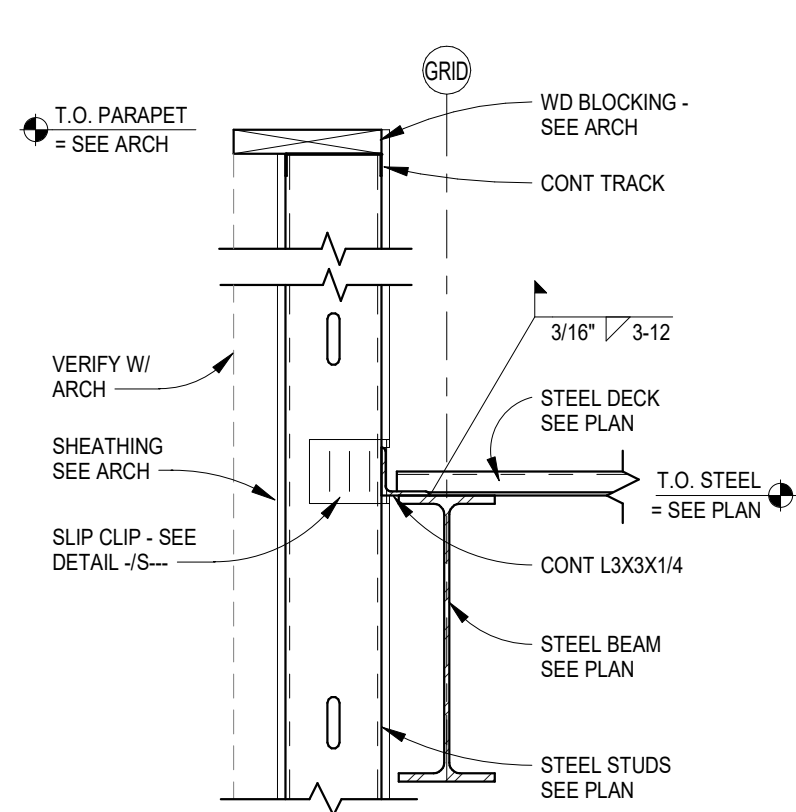
2 S503 Joist Bearing

1" = 1'-0"



3 S503 Joist Bearing

1" = 1'-0"



4 S503 Deck Bearing

1" = 1'-0"



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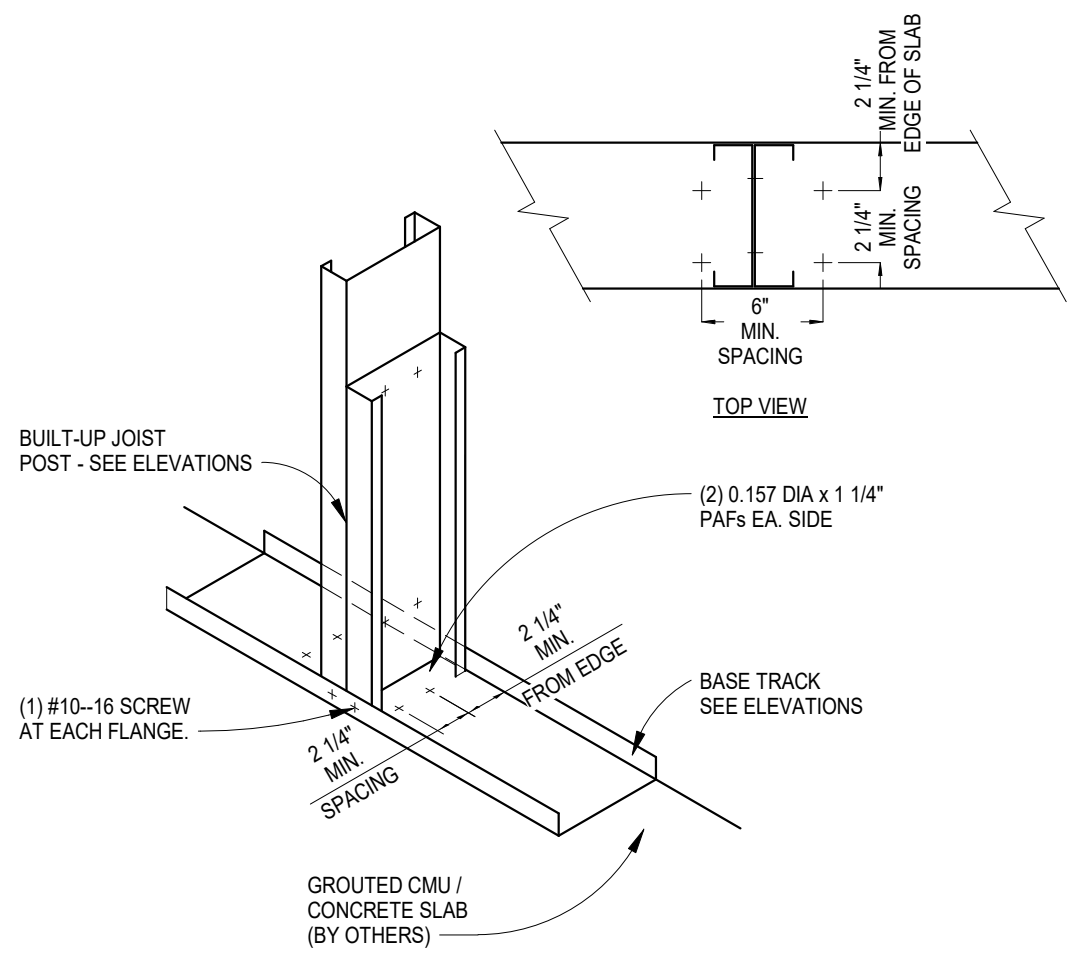
JN: 23-018

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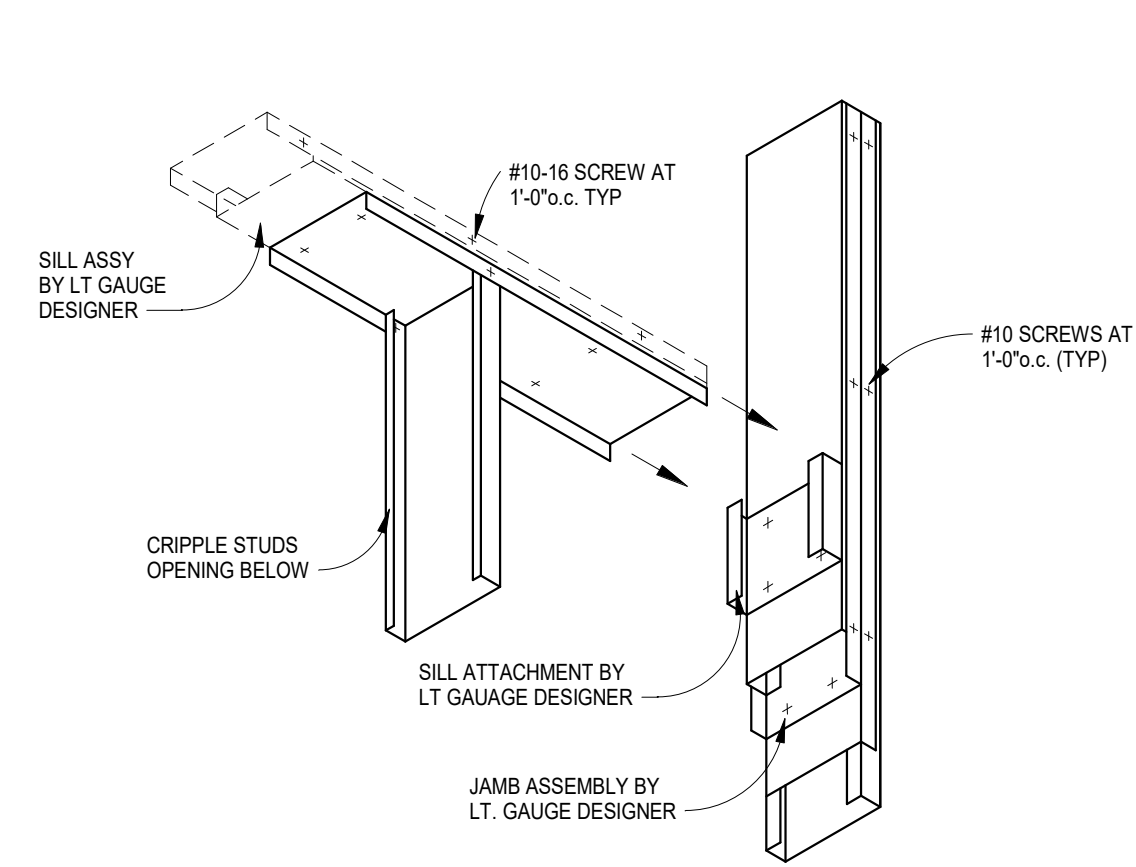
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Jamb Base

12 S504

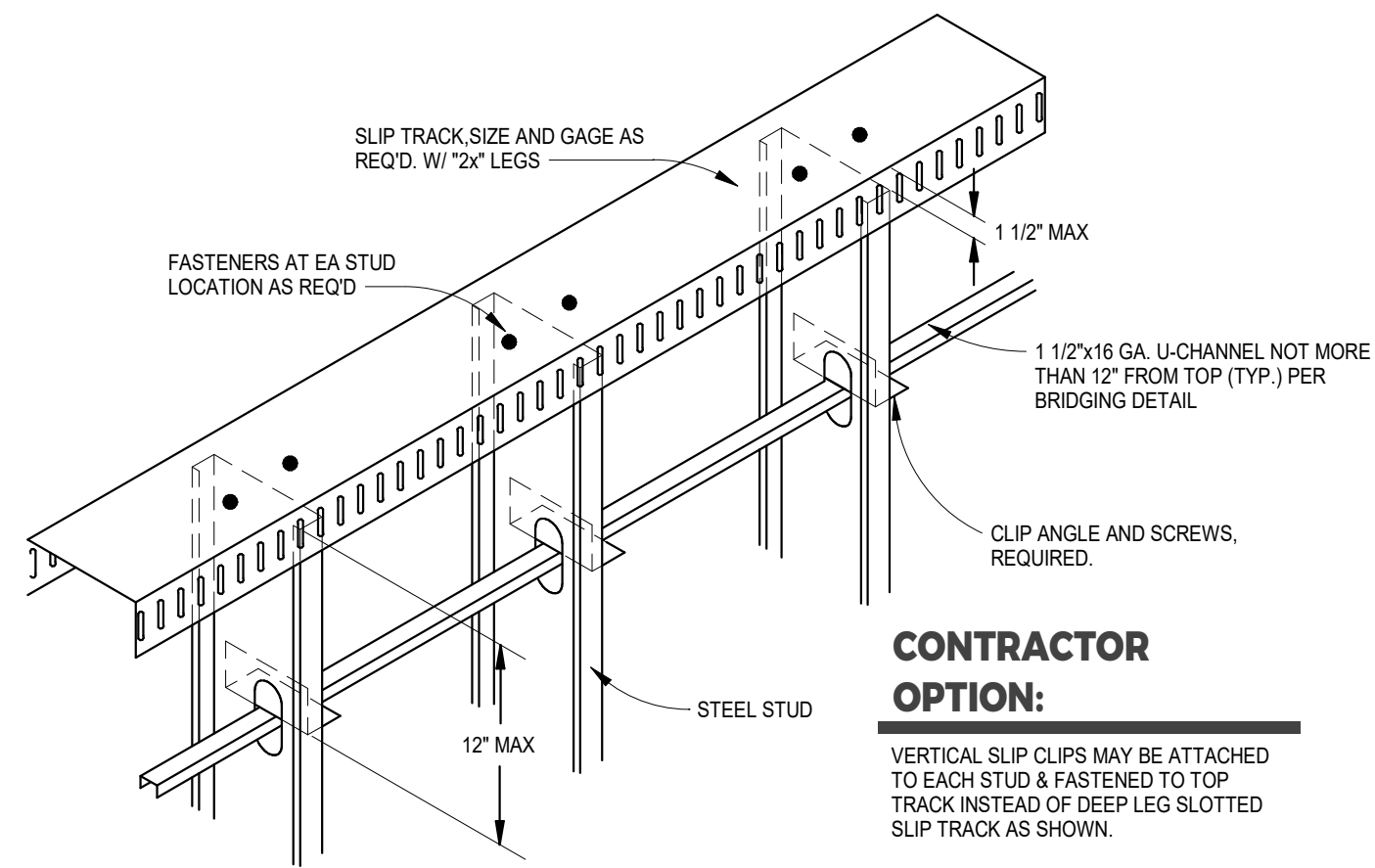
3/4" = 1'-0"



Sill Assembly

9 S504

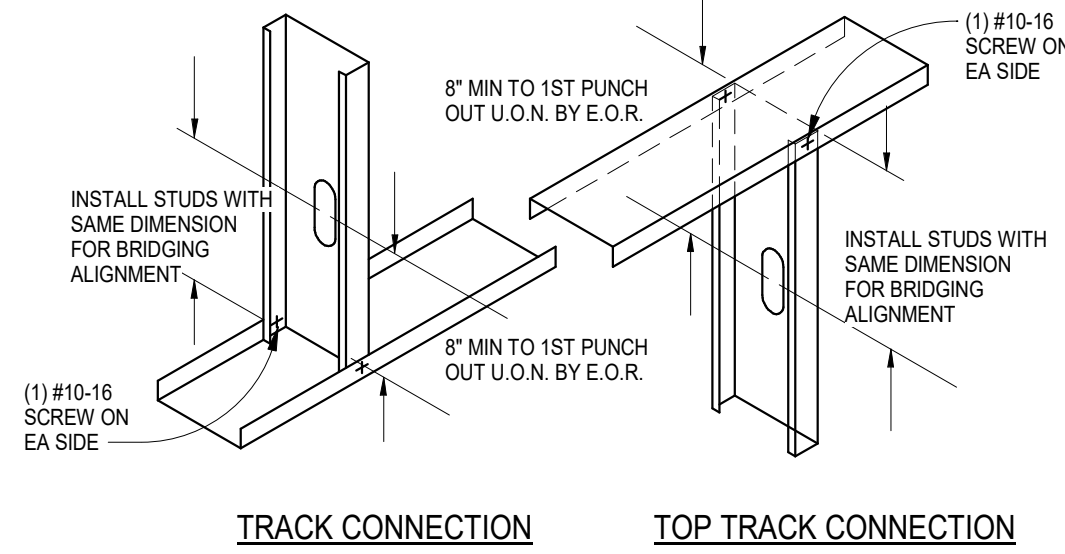
1" = 1'-0"



Light Gauge Framing Standard Details

5 S504

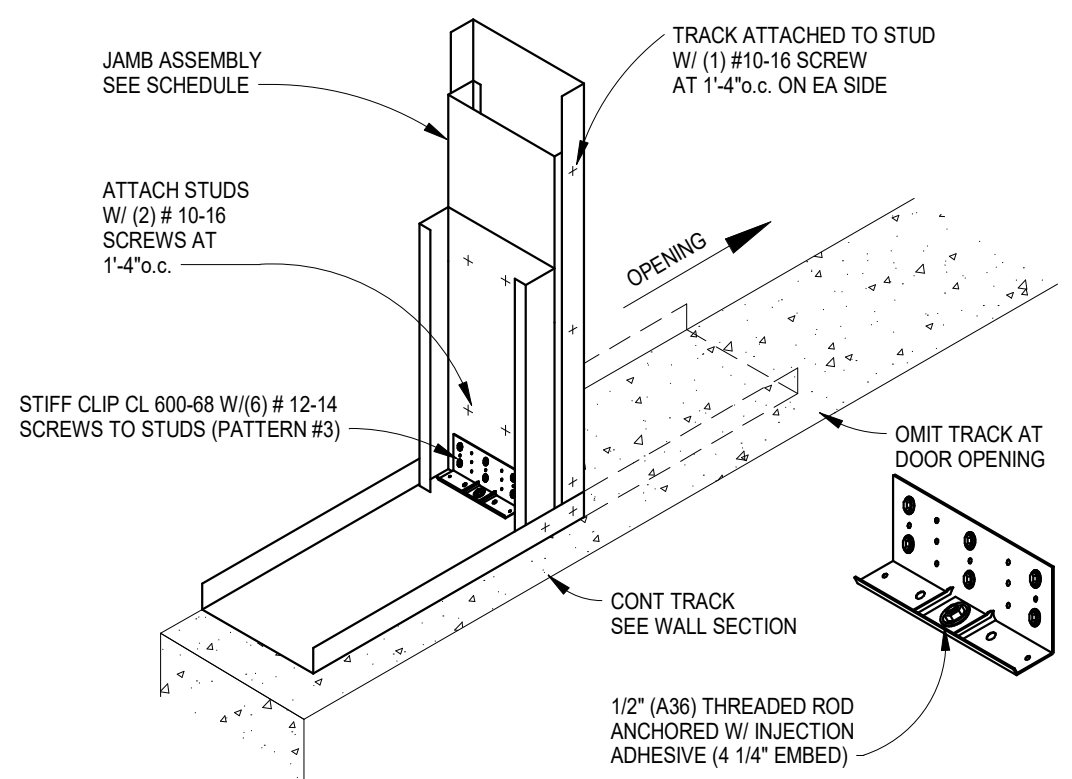
1" = 1'-0"



Stud/Track Connection

1 S504

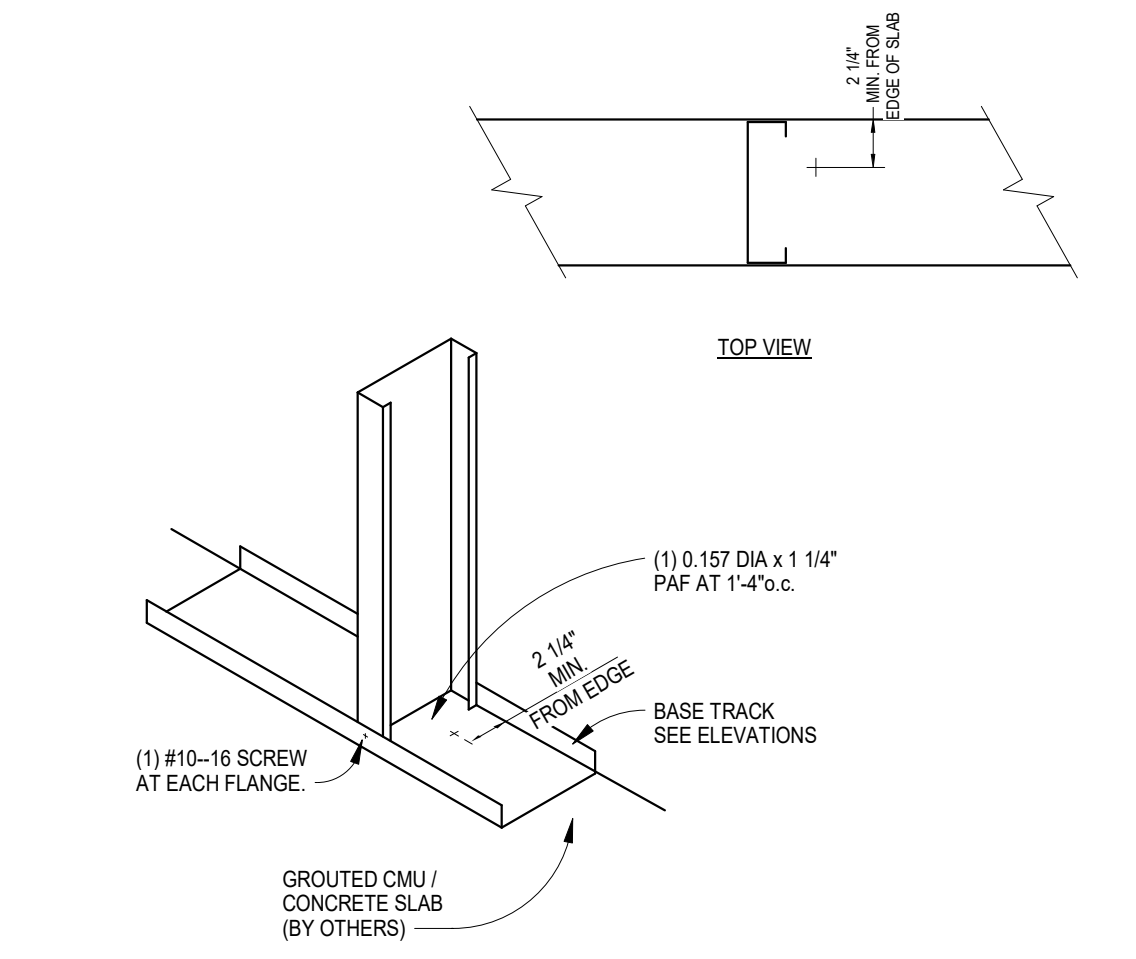
3/4" = 1'-0"



Tied Jamb Studs & Anchorage

13 S504

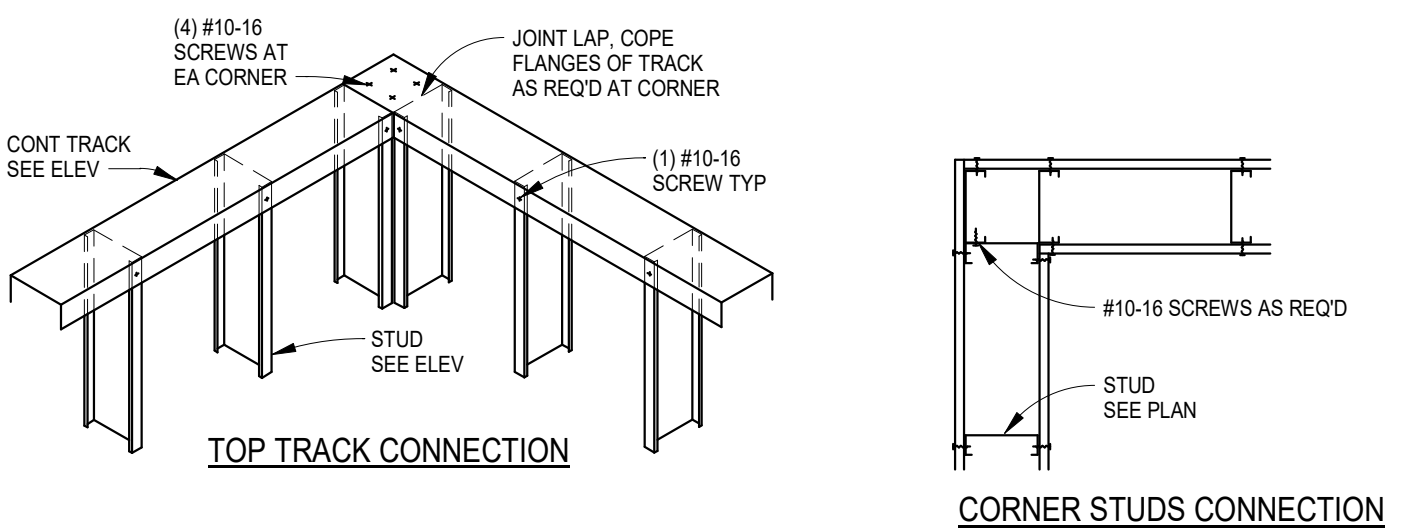
1" = 1'-0"



Stud Base

10 S504

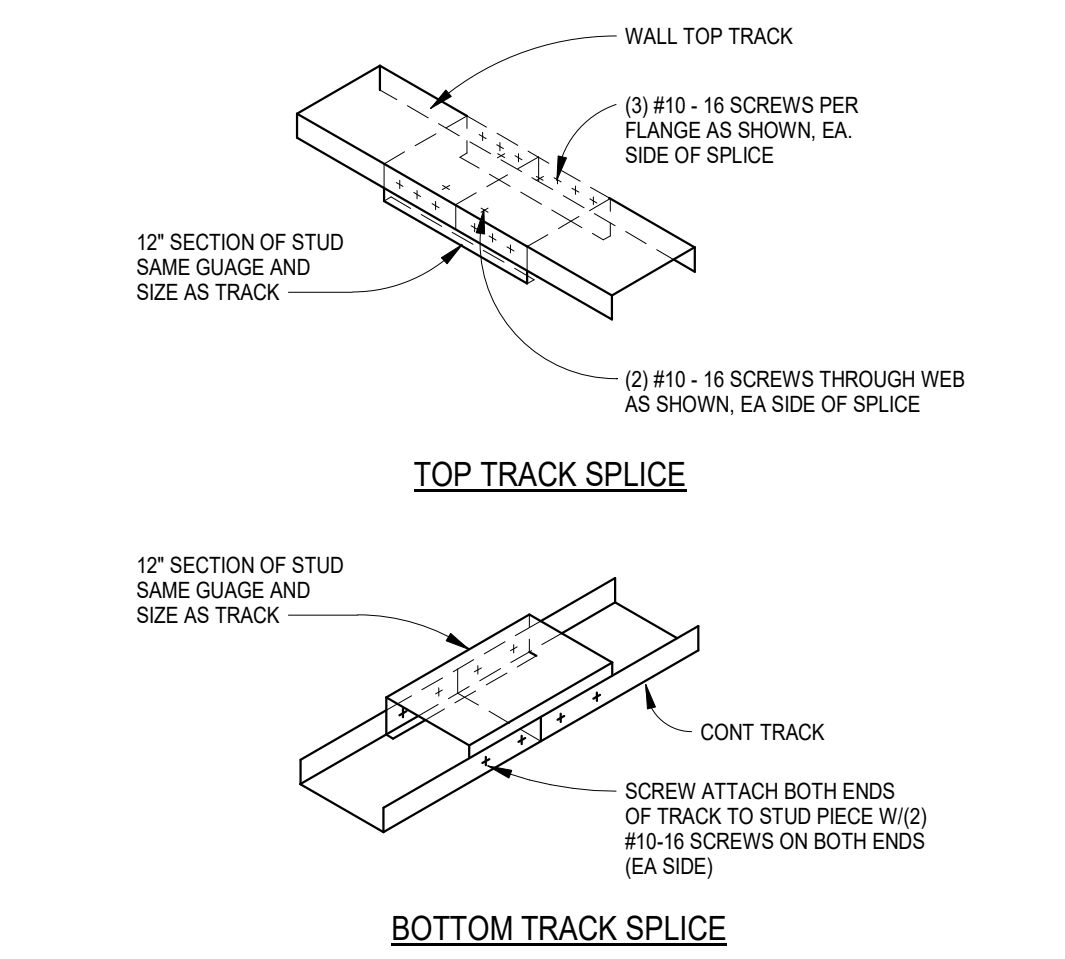
3/4" = 1'-0"



Wall Corner

6 S504

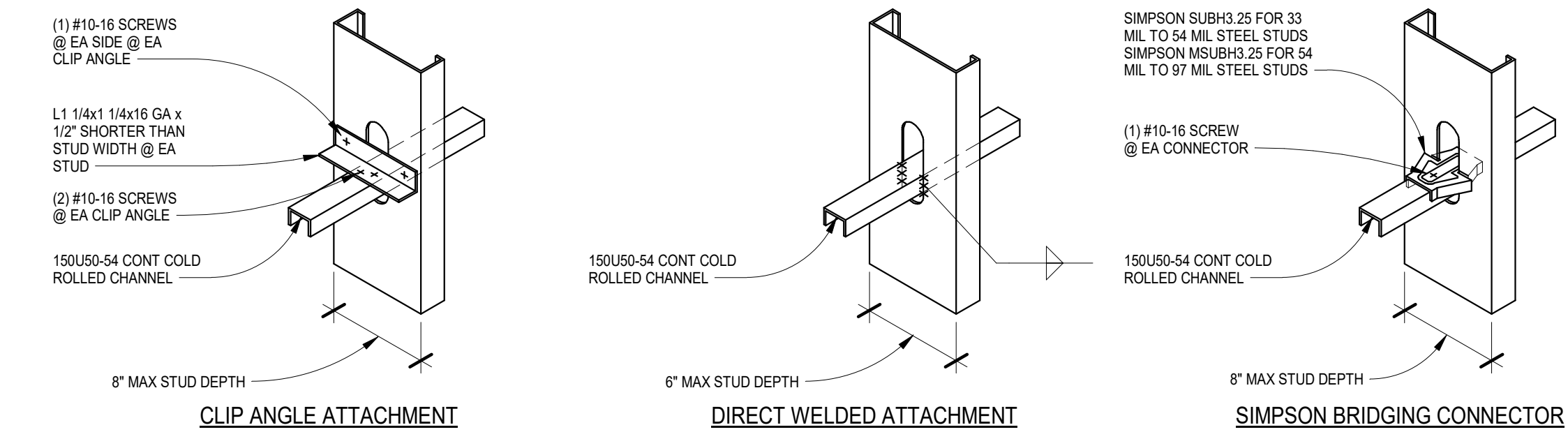
3/4" = 1'-0"



Track Splice

2 S504

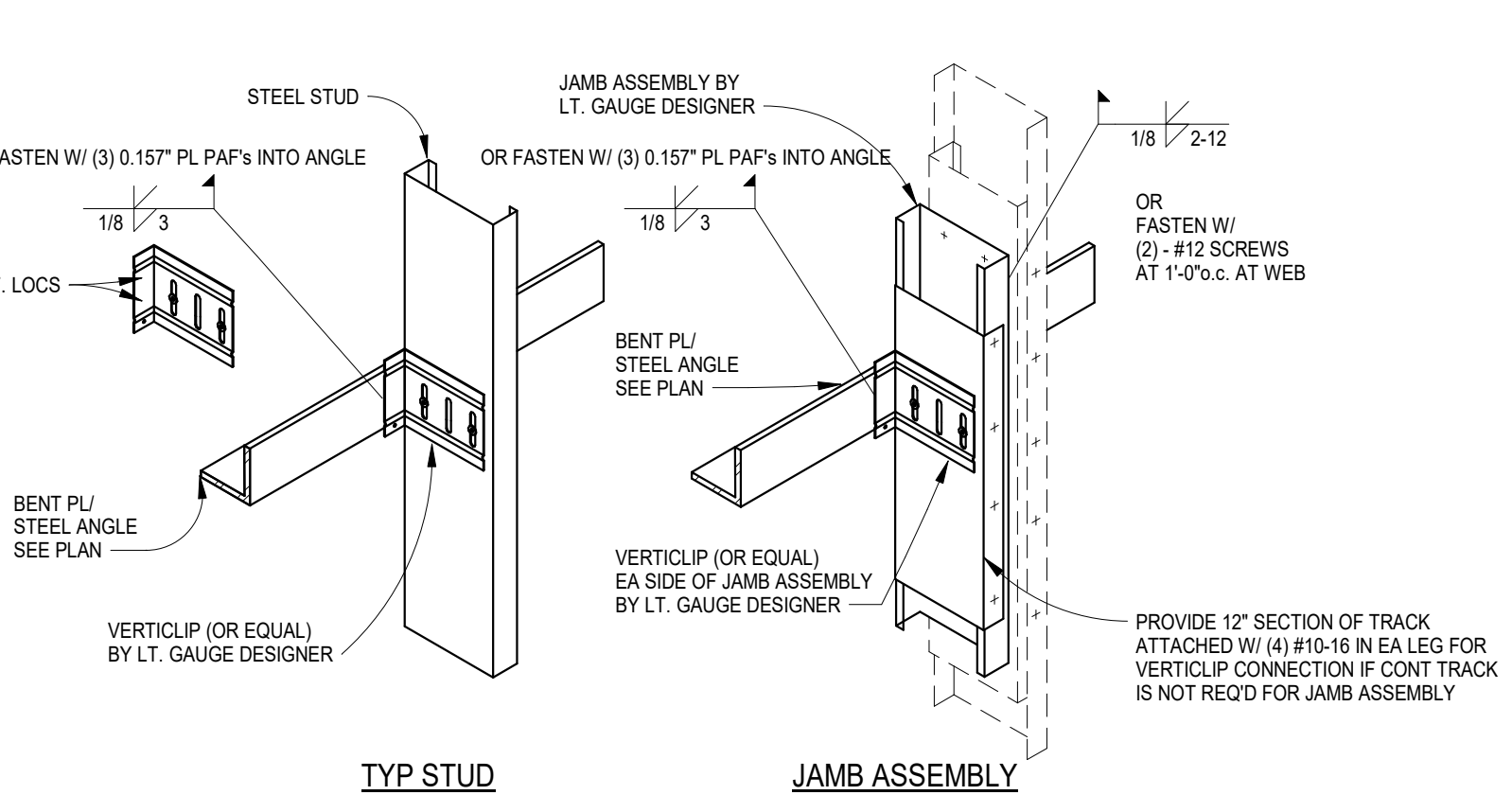
3/4" = 1'-0"



CLIP ANGLE ATTACHMENT

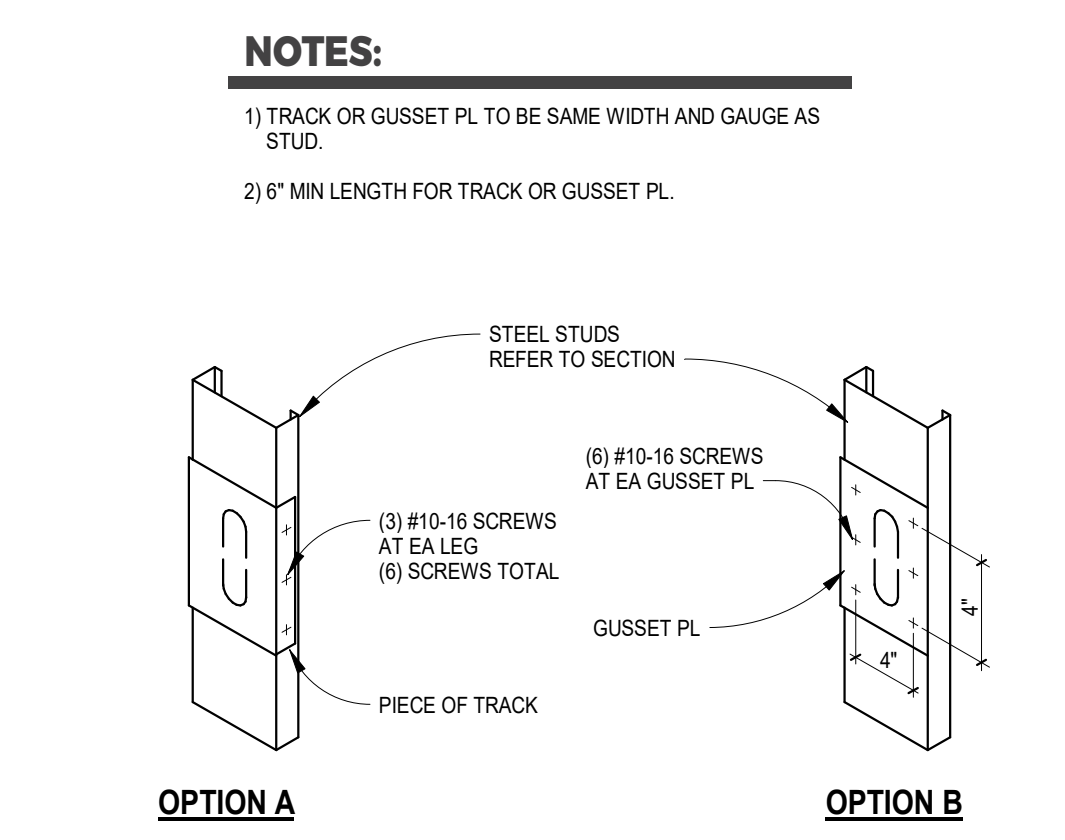
DIRECT WELDED ATTACHMENT

SIMPSON BRIDGING CONNECTOR



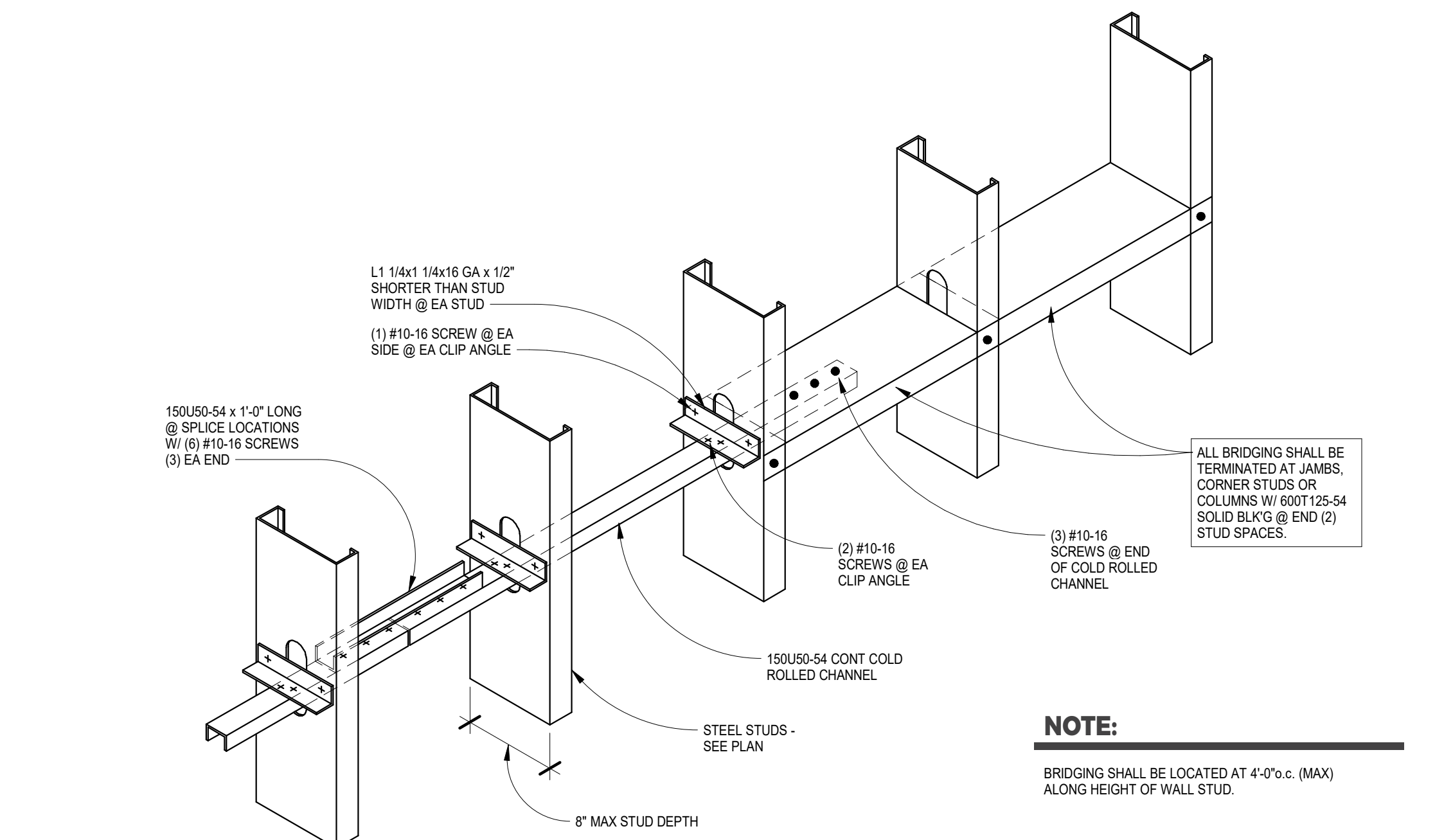
TYP STUD

JAMB ASSEMBLY



OPTION A

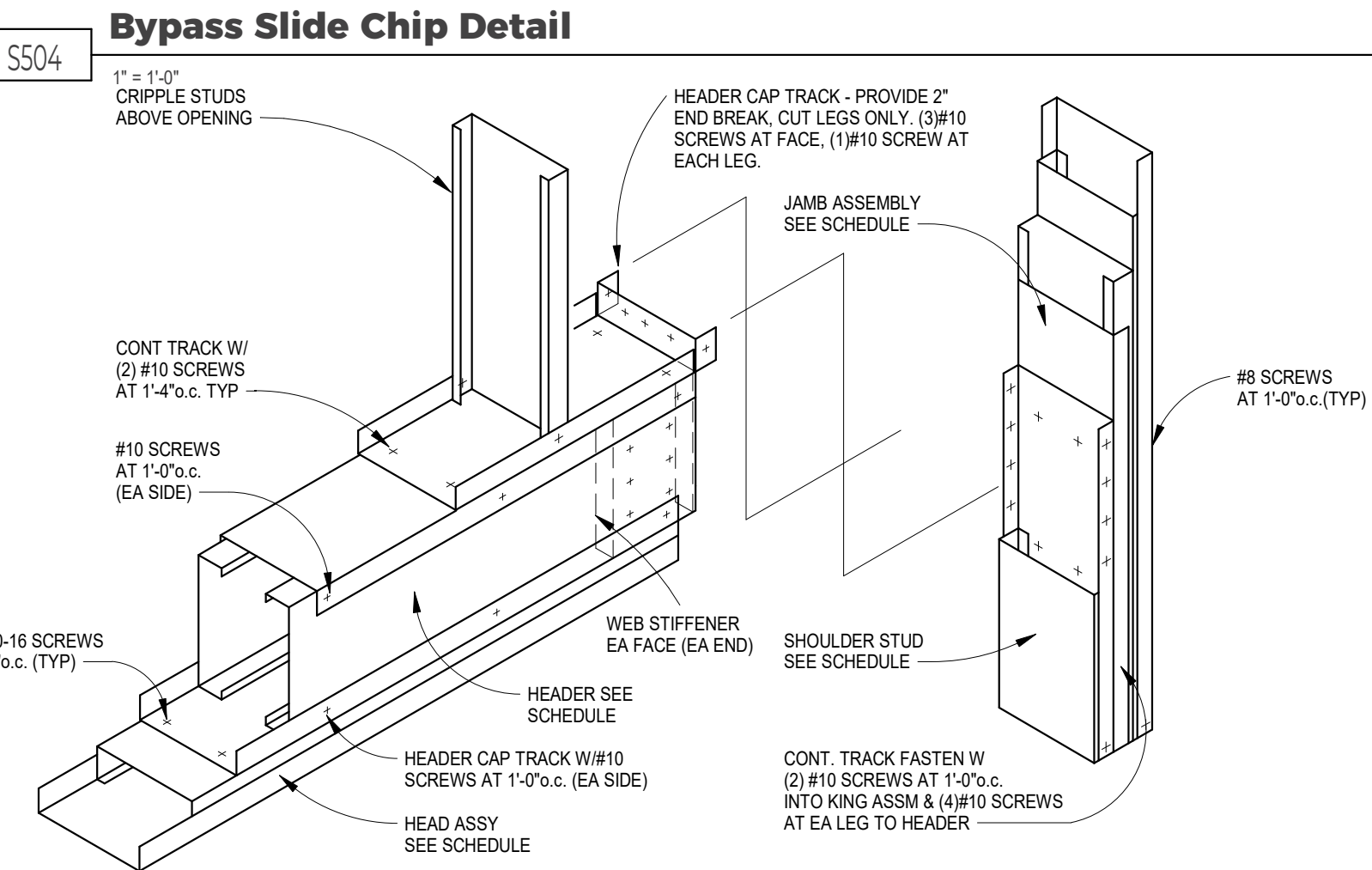
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Cold Formed Stud Bridging

11 S504

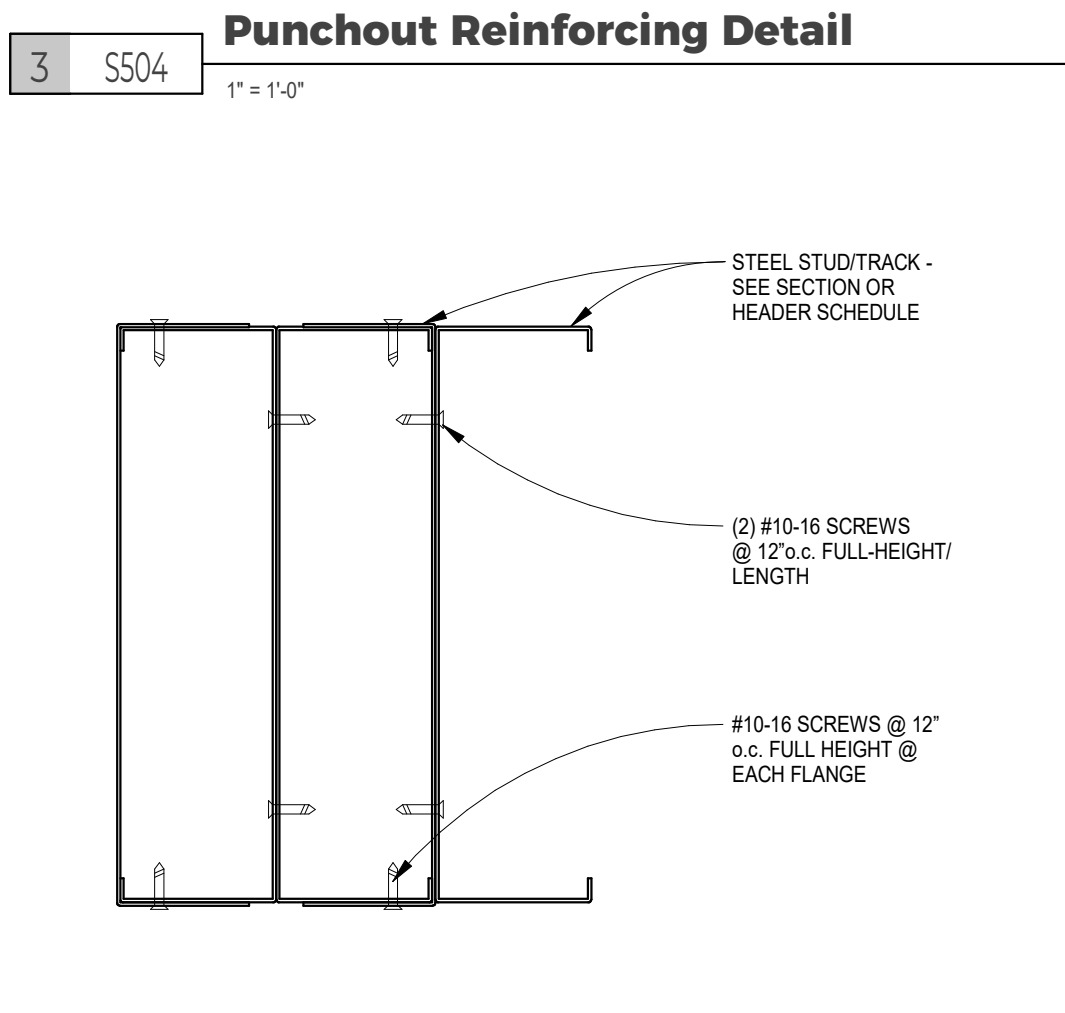
1" = 1'-0"



Bypass Slide Chip Detail

7 S504

1" = 1'-0"



Punchout Reinforcing Detail

3 S504

1" = 1'-0"



Box Header & Jamb Assembly

8 S504

NO SCALE



Multi-Ply Fastening Detail

4 S504

6" = 1'-0"



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1	Construction Documents	08/12/2026

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JN: 23-018

Cold-formed Framing Standards

SHEET

S504



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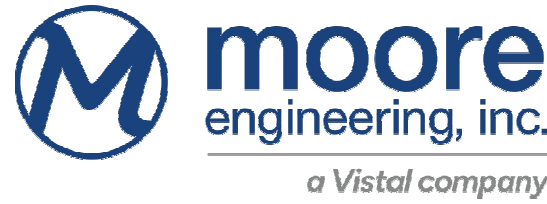
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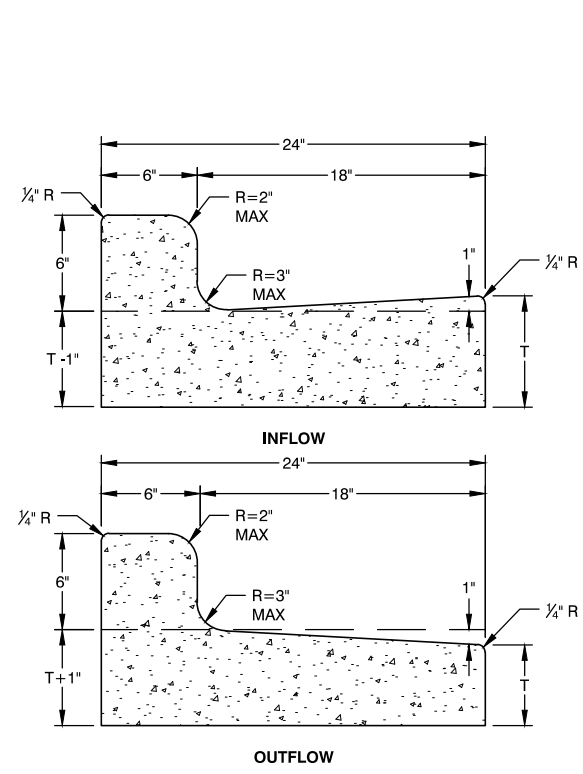
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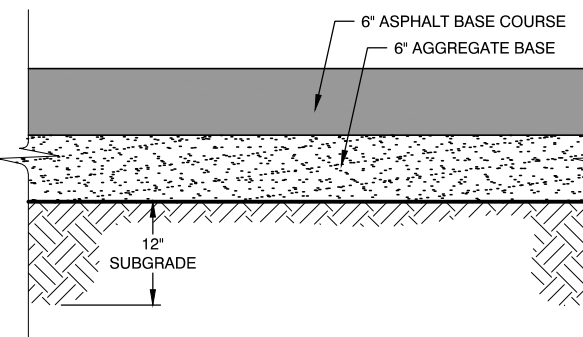
CIVIL DETAILS

SHEET

C-201

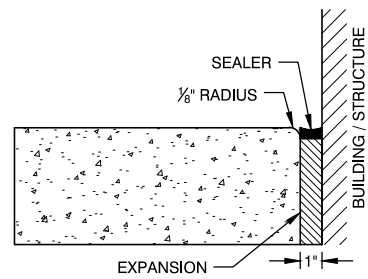


CURB & GUTTER - HIGHBACK
NO SCALE 06.26.25



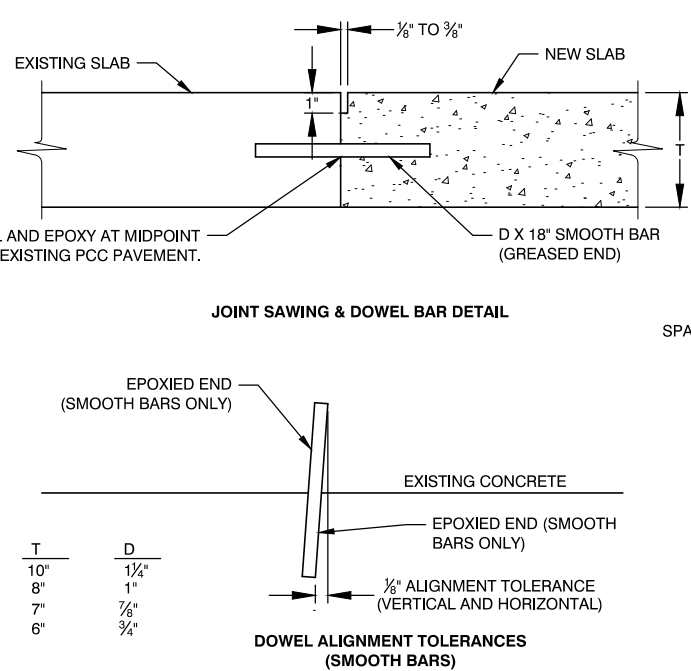
- NOTES:**
- SUBGRADE TO BE SCARIFIED TO DEPTH SHOWN AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
 - TACK COAT - APPLY TACK COAT UNIFORMLY AT THE RATE OF 0.25 GALLONS PER SQUARE YARD. APPLY WITHIN 24 HOURS PRECEDING PLACEMENT OF THE COVERING COURSE.

ASPHALT PAVEMENT SECTION - REGULAR
NO SCALE 06.26.25

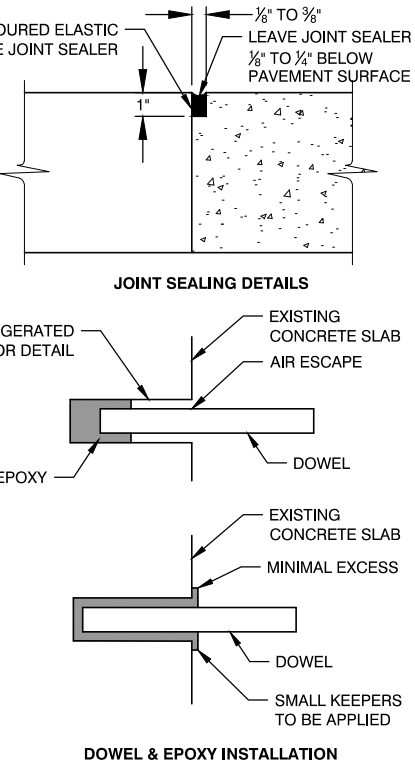


NOTE:
FILLER SHALL BE TYPE III PER ASTM D1752.

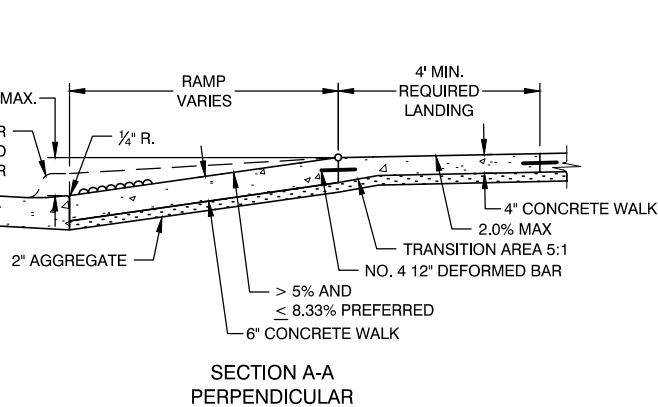
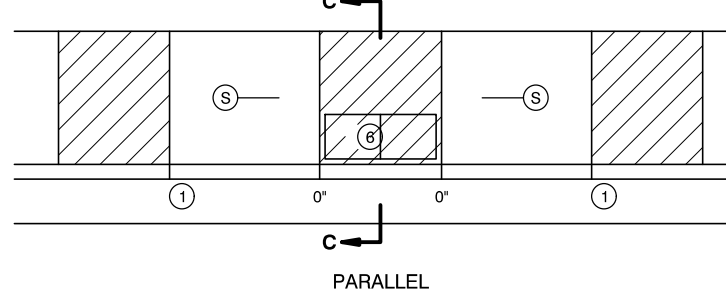
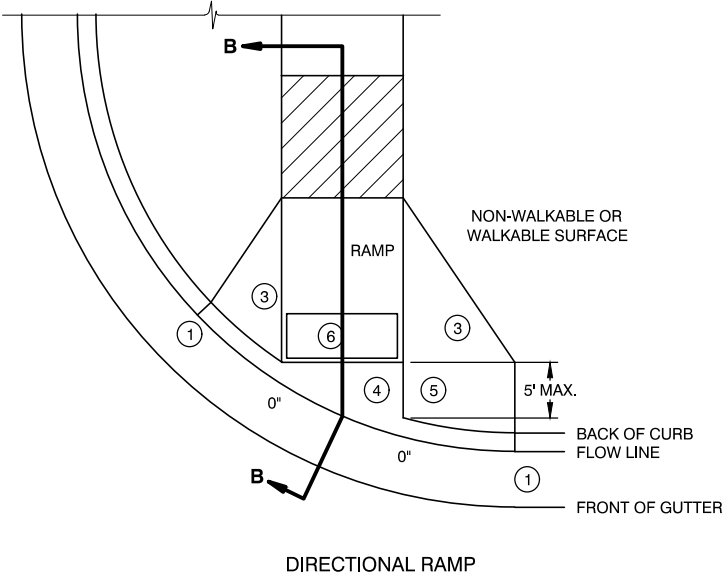
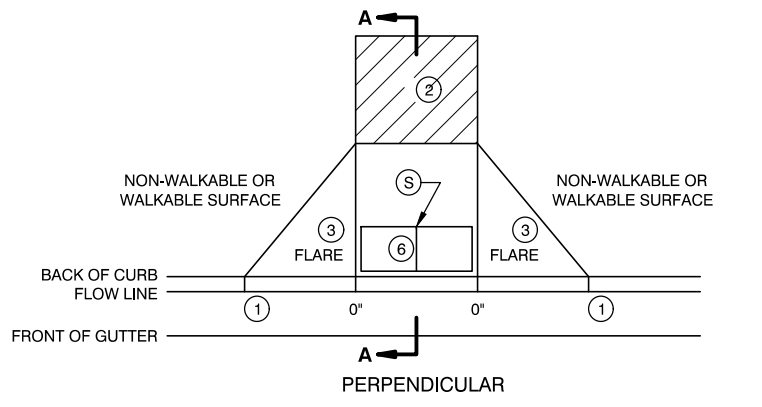
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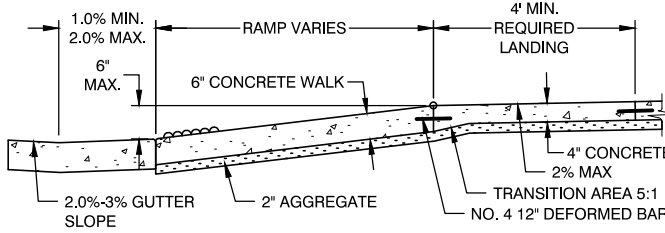
DOWELED CONSTRUCTION JOINT
NO SCALE 06.26.25



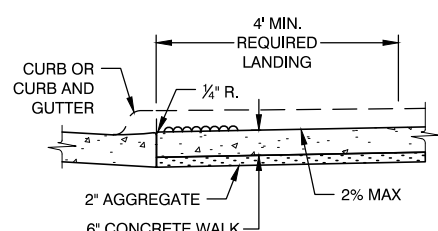
DOWEL & EPOXY INSTALLATION



SECTION A-A PERPENDICULAR

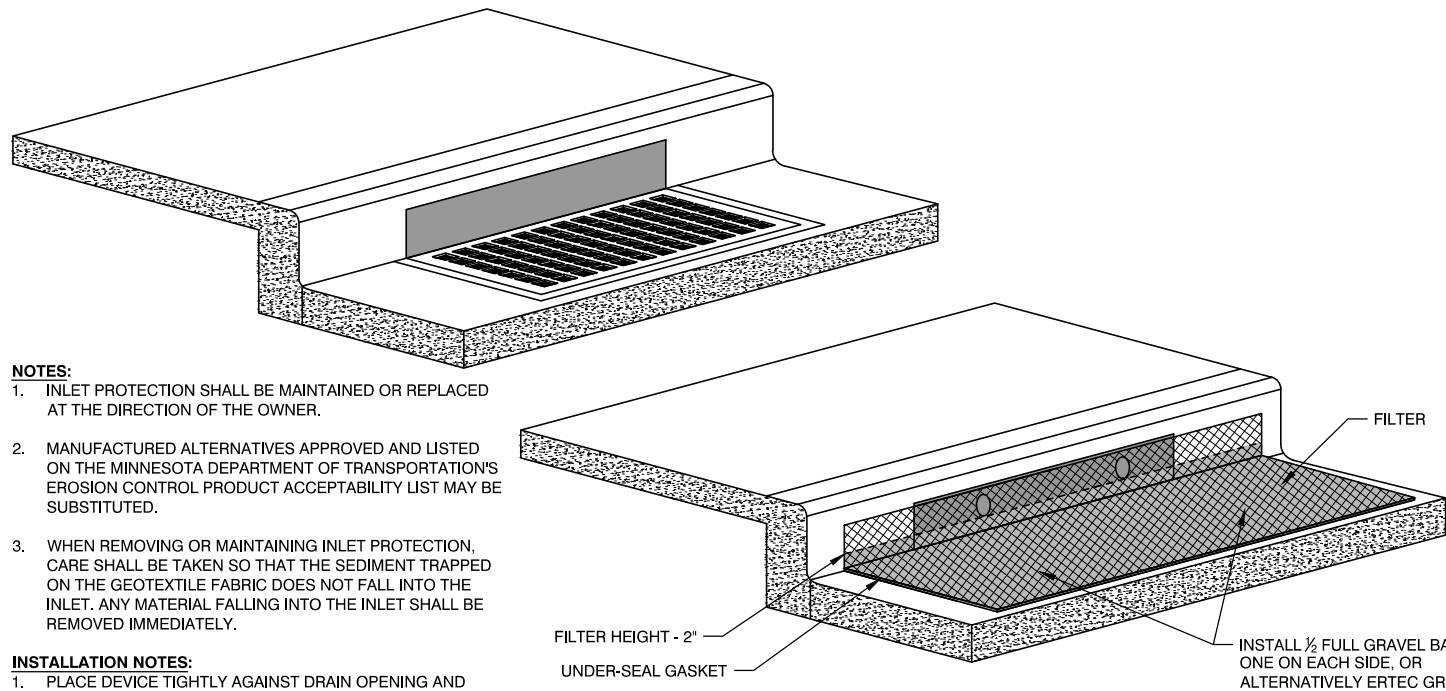


SECTION B-B DIRECTIONAL



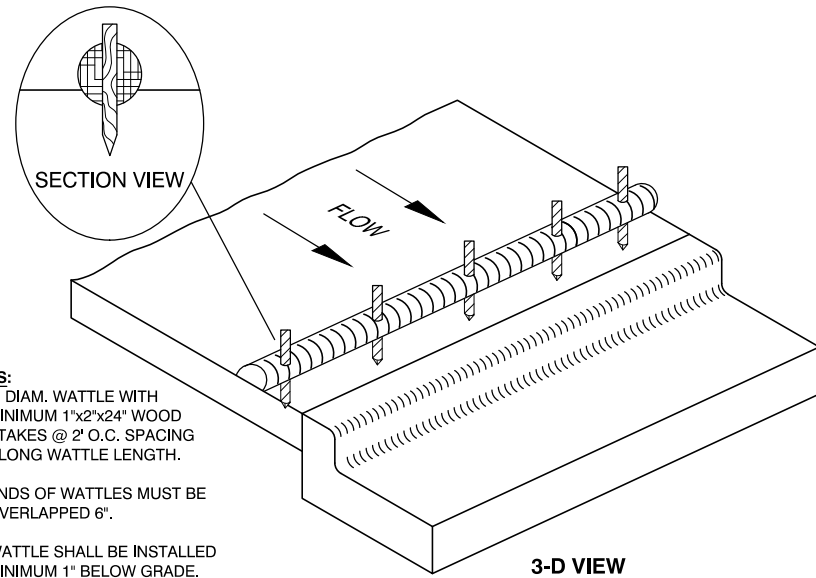
SECTION C-C PARALLEL

ADA ACCESSIBLE CURB RAMP DESIGN
NO SCALE 06.26.25



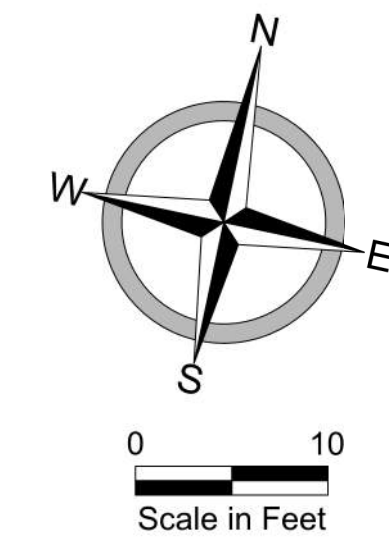
- NOTES:**
- INLET PROTECTION SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE OWNER.
 - MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE MINNESOTA DEPARTMENT OF TRANSPORTATIONS EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
 - WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
- INSTALLATION NOTES:**
- PLACE DEVICE TIGHTLY AGAINST DRAIN OPENING AND COVER ENTIRE GRATE. THE DEVICE SHOULD EXTEND AT LEAST 2 INCHES PAST GRATE TOWARD STREET.
 - OVERLAP THE SEGMENTS AT LONGER OPENINGS.
 - ANCHOR THE DEVICE SO THAT WATER CANNOT FLOW BEHIND IT.

INLET PROTECTION - CURB GRATE
NO SCALE 06.26.25



- NOTES:**
- 6" 3MM WATTLE WITH MINIMUM 1/2"X1/2" WOOD STAKES @ 7' O.C. SPACING ALONG WATTLE LENGTH.
 - ENDS OF WATTLES MUST BE OVERLAPPED 6".
 - WATTLE SHALL BE INSTALLED MINIMUM 1' BELOW GRADE.

SEDIMENTATION CONTROL FIBER ROLL - BARRIER/PERIMETER
NO SCALE 06.26.25



GENERAL NOTATIONS

- 1 RELOCATE EXISTING FLAGPOLE
- 2 RELOCATE EXISTING PROPANE TANK
- 3 REMOVE WOOD DECK, RAMP & METAL RAILING
- 4 REMOVE CONCRETE PLANTER
- 5 REMOVE CONCRETE WINDOW WELL
- 6 EXISTING GREASE COLLECTION CONTAINER

REMOVAL NOTATIONS - SITE

- | | |
|----|---|
| 30 | REMOVE EXISTING ASPHALT PAVEMENT |
| 31 | REMOVE EXISTING CONCRETE. |
| 32 | REMOVE EXISTING AGGREGATE SURFACE |
| 33 | REMOVE EXISTING CURB & GUTTER |
| 34 | REMOVE EXISTING CONCRETE SIDEWALK |
| 36 | SHED TO BE REMOVED BY OWNER PRIOR TO START OF PROJECT |
| 43 | REMOVE EXISTING SIGN AND POST AND SAVE FOR RESETING |

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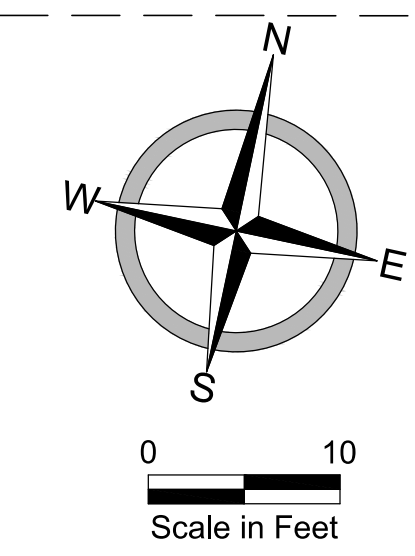
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JN: 31025

EXISTING CONDITIONS & REMOVALS PLAN

SHEET

C-601



1	CONNECT TO EXISTING CURB AND GUTTER
2	CURB AND GUTTER - HIGHBACK
4	CURB AND GUTTER - KNOCKDOWN
7	SIDEWALK TRENCH DRAIN
10	ASPHALT PAVEMENT SECTION - REGULAR
14	CONCRETE PAVEMENT SECTION - MATCH EXISTING/REPLACE IN-KIND
17	BOLLARD POST (SEE ARCHITECTURAL)

25	CONCRETE SIDEWALK
27	CONCRETE CURB RAMP (SEE STRUCTURAL)
28	CONCRETE STEPS (SEE STRUCTURAL)
29	COLORLED CONCRETE SIDEWALK
30	STAMPED COLORLED CONCRETE
32	HANDRAIL (SEE ARCHITECTURAL)
35	CHAINLINK FENCE
36	CHAINLINK FENCE MAN GATE

42 RESET SIGN AND POST LOCATION

57 STRIPE - 4" WHITE

58 STRIPE - 4" BLUE

79	PROTECT EXISTING.
80	SEE STRUCTURAL PLANS
81	SEE ARCHITECTURAL PLANS
82	SEE MECHANICAL PLANS
83	SEE ELECTRICAL PLANS
84	TRENCH GAS LINE TO RELOCATED PROPANE TANK
85	RELOCATED PROPANE TANK
86	DUMPSTER
87	GREASE TRAP
88	SMOKING SHELTER
89	STOOP (SEE STRUCTURAL PLANS)
90	FUTURE 1000 GAL PROPANE TANK
91	ADJACENT PROPERTY GAS LINE (BY OTHERS)
92	ADJACENT PROPERTY PROPANE TANK (BY OTHERS)

1	CONNECT TO EXISTING SANITARY SEWER
2	SANITARY SEWER SERVICE

17	CONNECT NEW WATER SERVICE TO EXISTING WATER MAIN
19	WATER SERVICE - DOMESTIC
20	WATER SERVICE - FIRE



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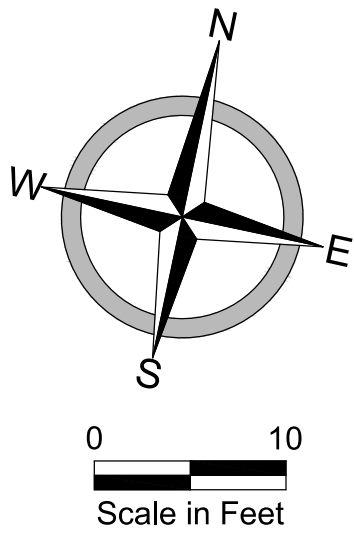
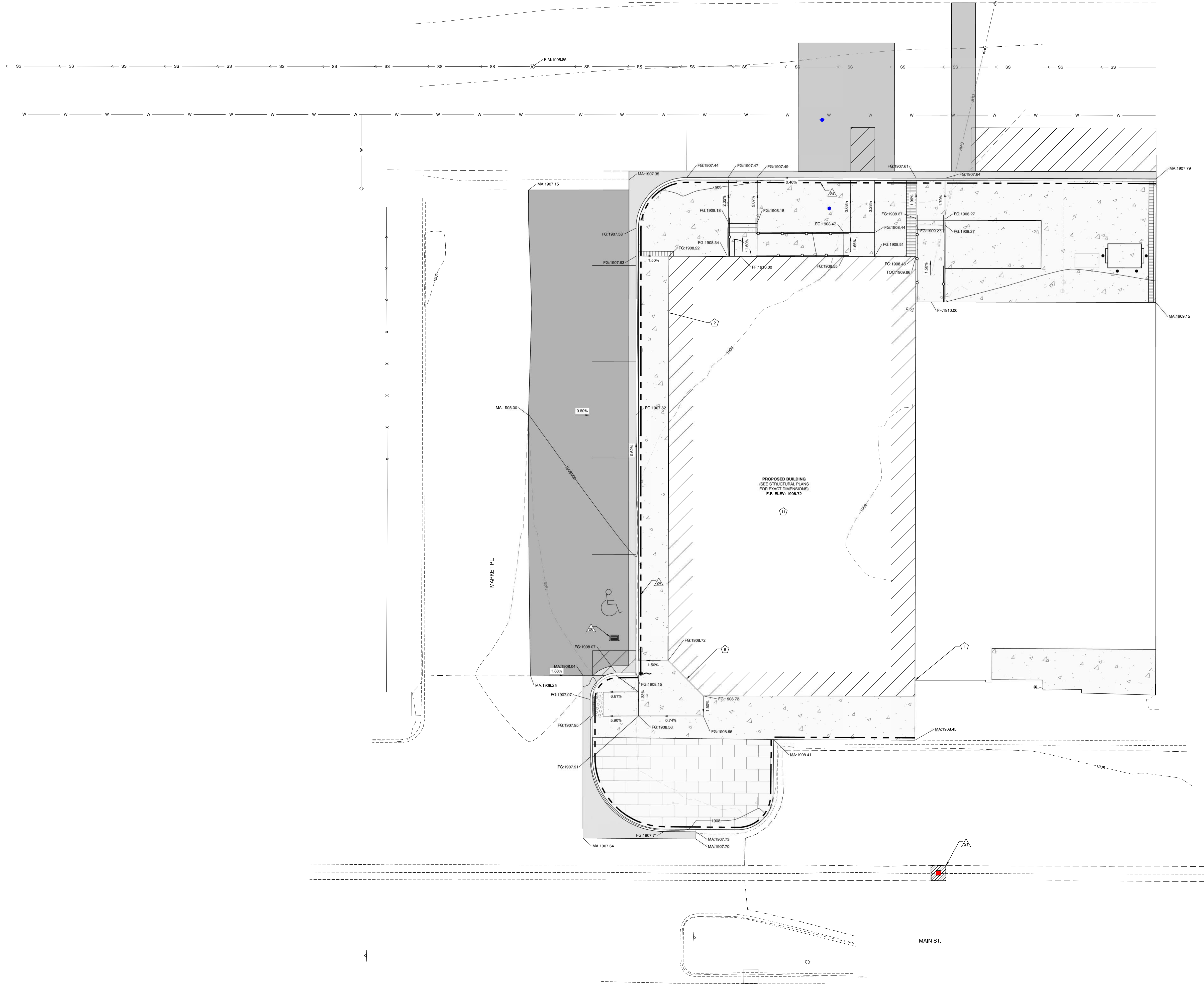
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SHEET

C-602

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- GRADING NOTATIONS**
- 1 MATCH EXISTING BUILDINGS FIRST FLOOR ELEVATION
 - 2 EXPOSED FOUNDATION WALL
- GRADING NOTATIONS - GENERAL**
- 6 PEDESTRIAN ENTRANCE
 - 7 SEE STRUCTURAL PLANS
- EROSION AND SEDIMENT CONTROL NOTATIONS**
- 8 INLET PROTECTION
 - 9 SEDIMENTATION CONTROL WATTLE
 - 10 CONCRETE WASHOUT



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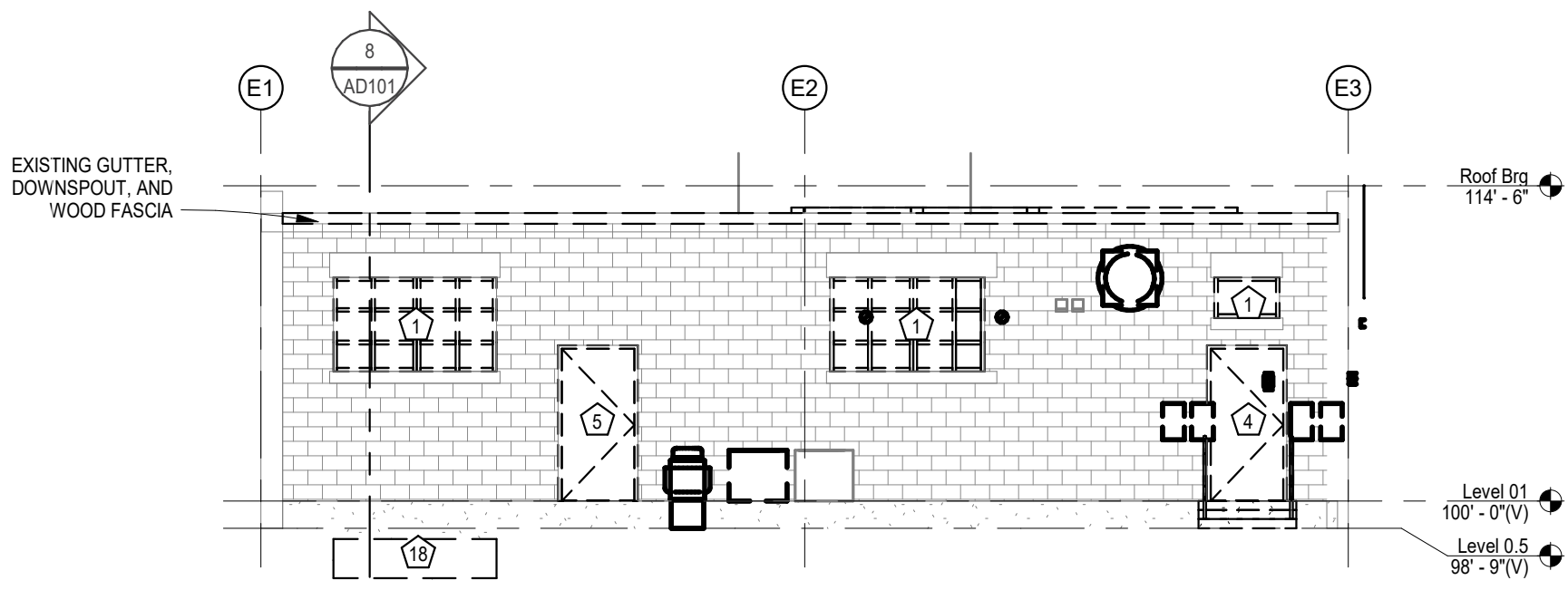
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NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

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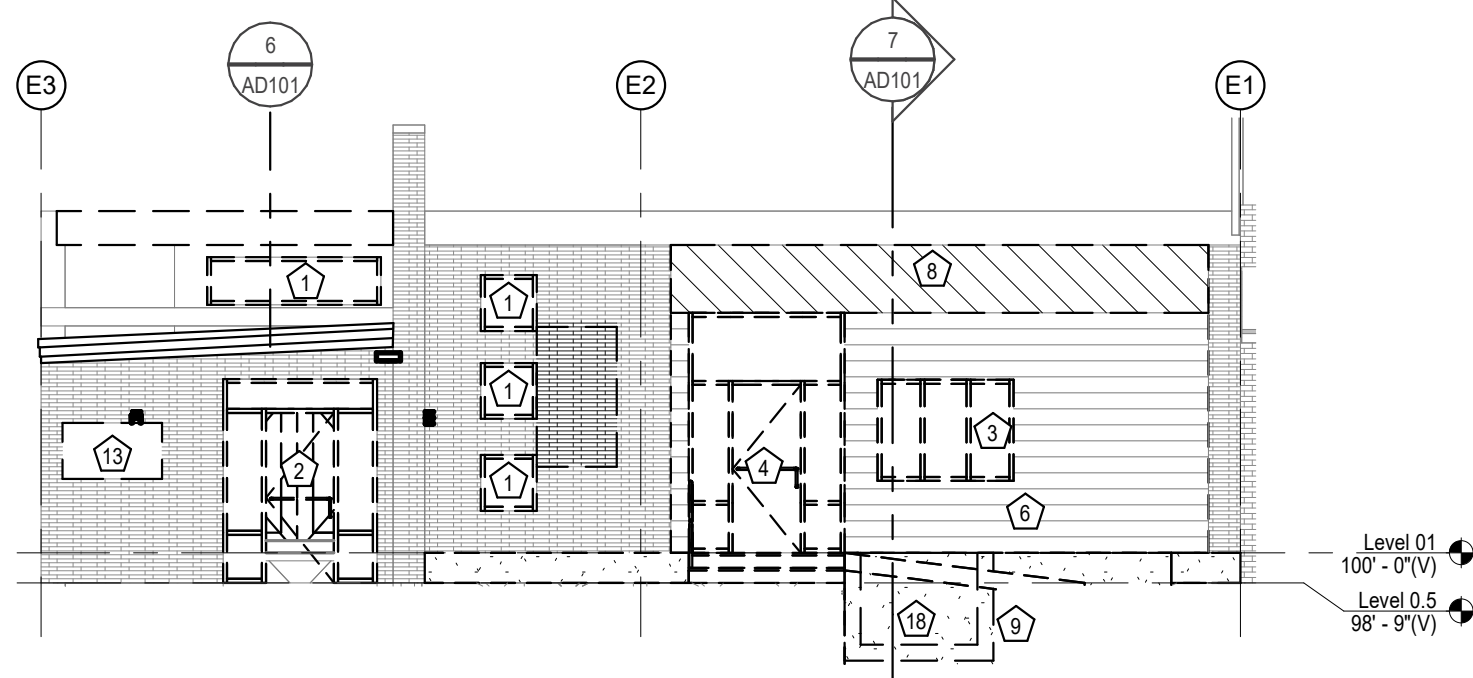
**GRADING & EROSION
CONTROL PLAN**
SHEET

C-603

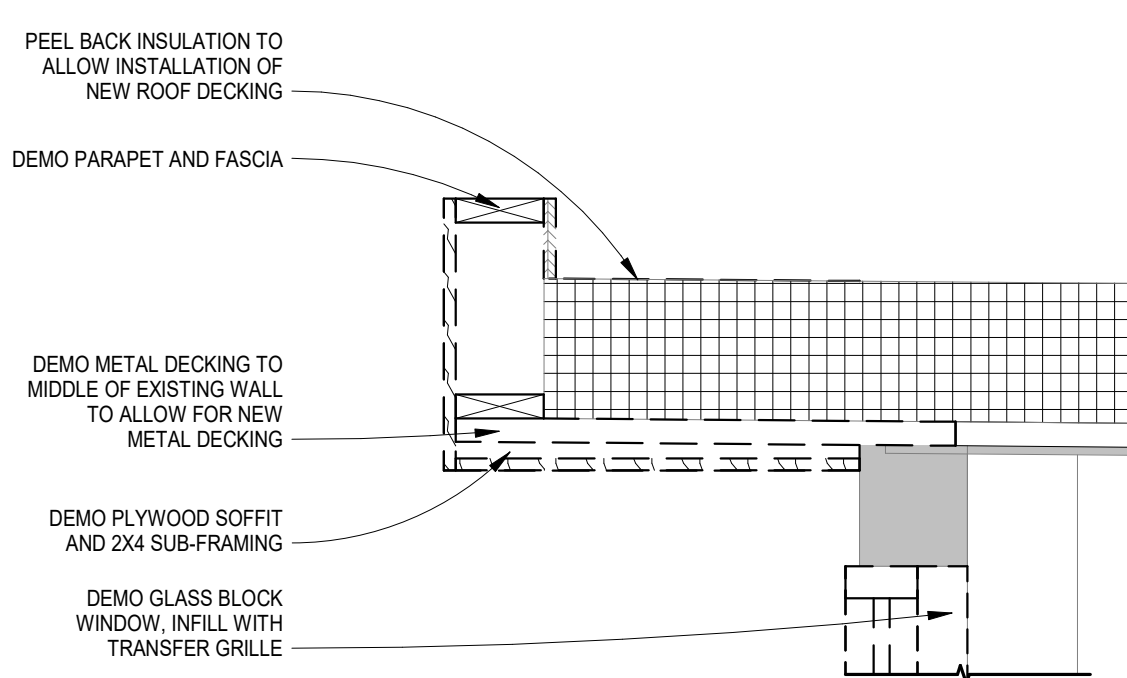
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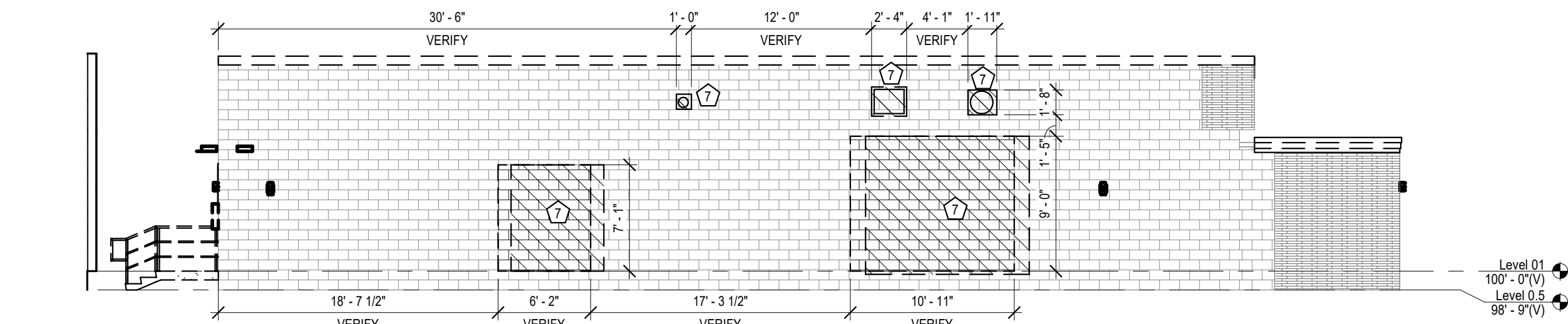
1 AD101 North Demolition Elevation
1/8" = 1'-0"



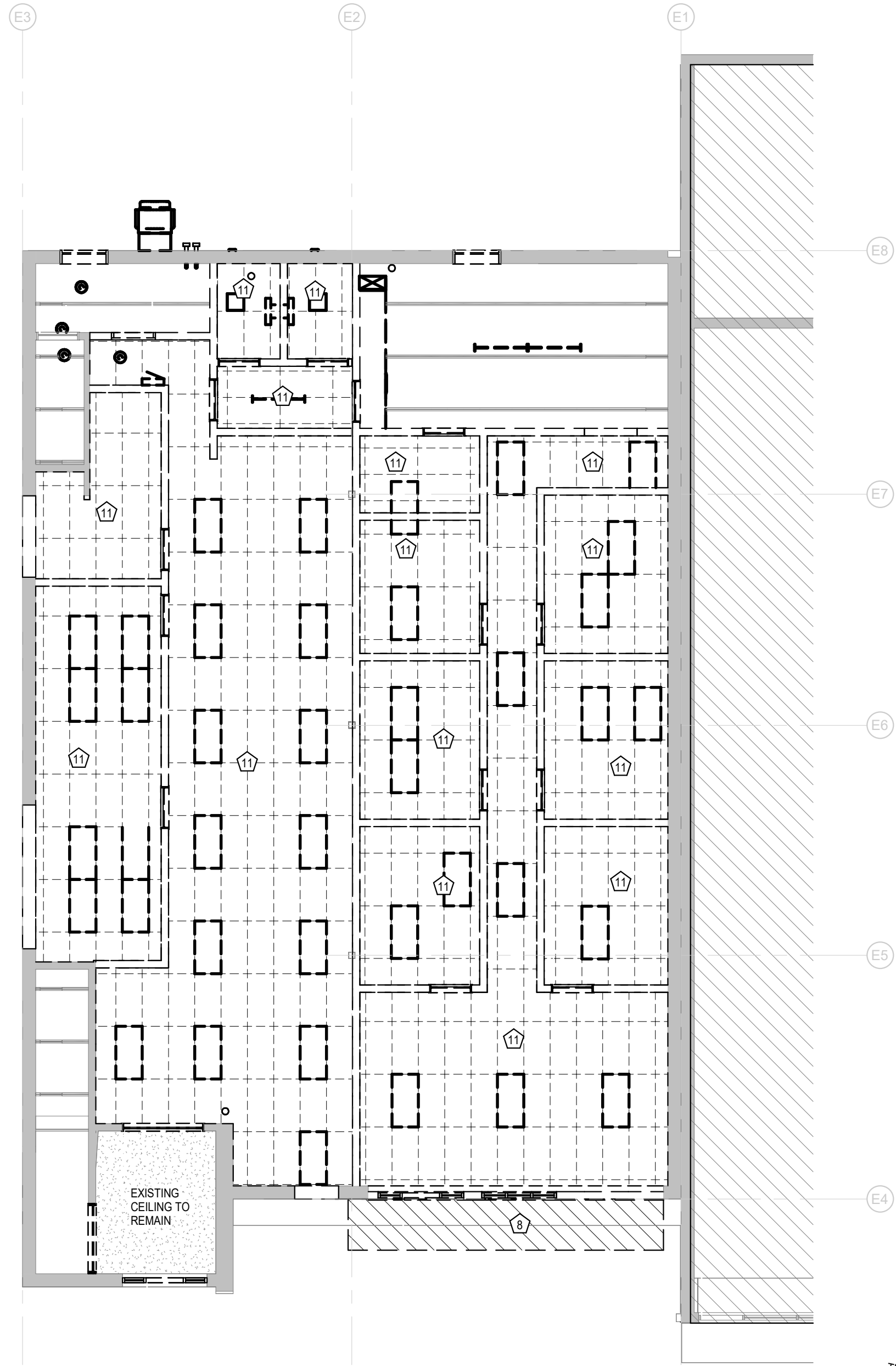
2 AD101 South Demolition Elevation
1/8" = 1'-0"



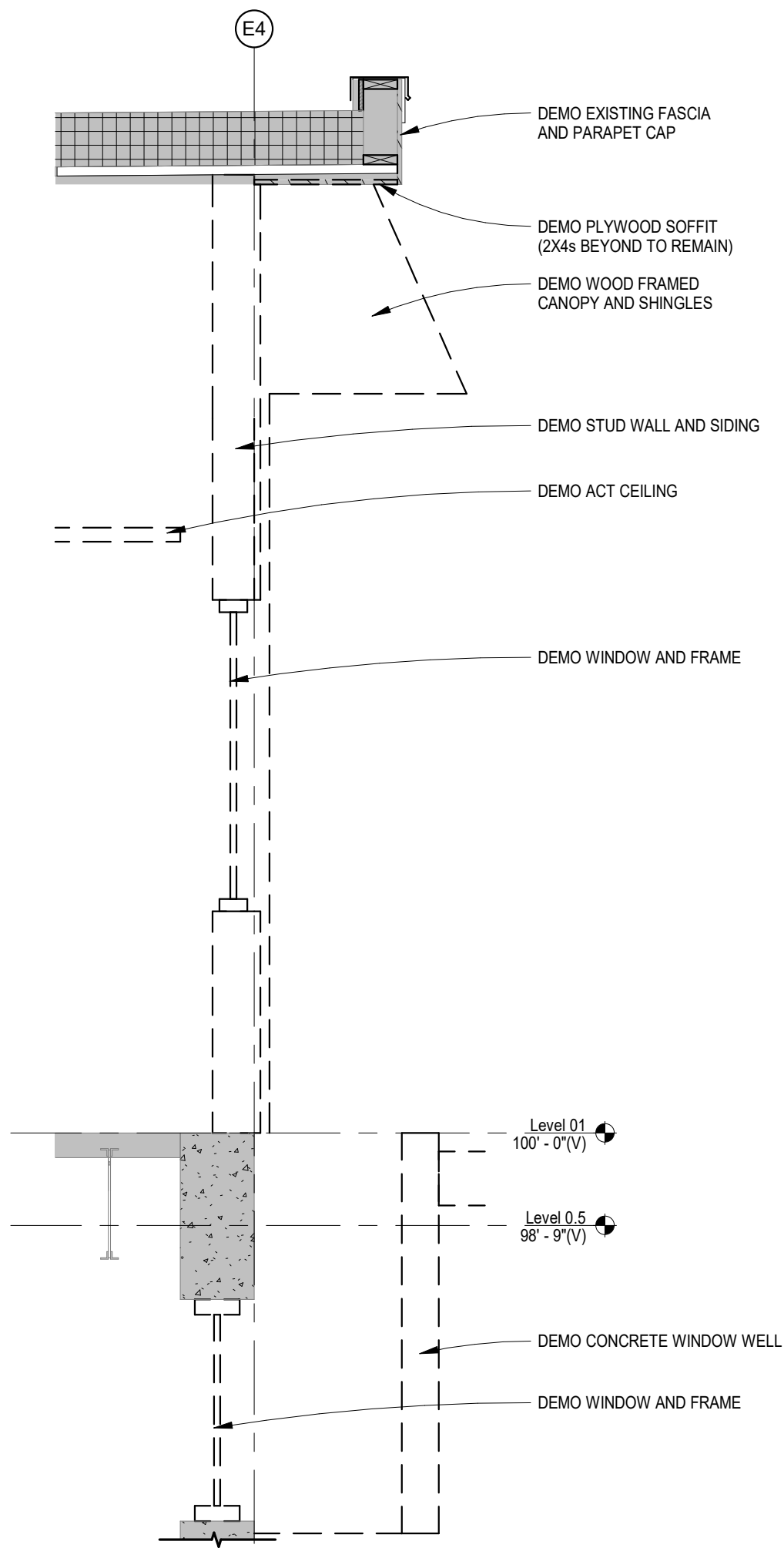
6 AD101 Demo Soffit/ Fascia Section
1" = 1'-0"



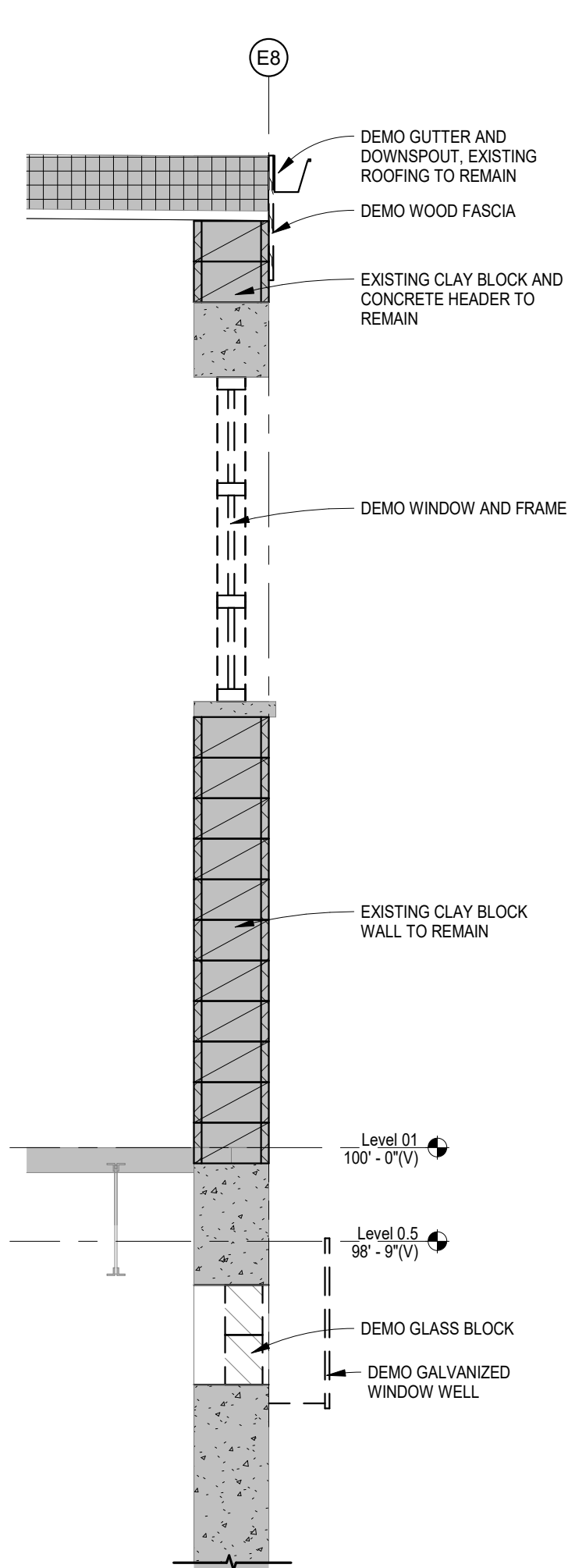
3 AD101 West Demolition Elevation
1/8" = 1'-0"



5 AD101 Reflected Ceiling Plan
1/8" = 1'-0"



7 AD101 Demo Wall Section
1/2" = 1'-0"



8 AD101 Demo Wall Section
1/2" = 1'-0"

GENERAL NOTES - DEMOLITION PLAN

1. VERIFY DEMOLITION SCOPE WITH ENTIRE DRAWING PACKAGE, REFERENCE MECHANICAL, ELECTRICAL, ARCHITECTURAL, AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
2. ANY AND ALL SHUT DOWNS TO BE COORDINATED WITH OWNER PRIOR TO DISRUPTION OF SERVICE. A MINIMUM 48 HOURS NOTICE IS REQUIRED PRIOR TO EXECUTION OF WORK THAT REQUIRES ANY DISRUPTION OF UTILITIES. SHUT DOWNS THAT WILL RESULT IN EXTENDED SERVICE DISRUPTION REQUIRE ADDITIONAL NOTICE AND COORDINATION WITH OWNER.
3. DEMOLITION OF STRUCTURE IS TO OCCUR AFTER CONTRACTOR HAS FULL UNDERSTANDING OF THE EXISTING BUILDING STRUCTURE. ANY TEMPORARY SHORING NEED, AND A CLEAN PLAN TO EXECUTE THE WORK REQUIRED. A PRE-CONSTRUCTION MEETING ON THE PLAN, AND TO REVIEW THE STRUCTURE IS TO OCCUR PRIOR TO STRUCTURAL DEMOLITION.
4. COORDINATE INTERIOR AND EXTERIOR ACCESS POINTS, AND SECURITY CONTROLS, WITH OWNER, DURING OVERHEAD DEMOLITION WORK. INSURE PUBLIC AND STAFF PROTECTION MEASURES ARE IN PLACE DURING OVERHEAD WORK.
5. DEMOLITION AND NEW CONSTRUCTION IS OCCURRING ADJACENT TO AN OCCUPIED BUILDING. DUST CONTROL, MAINTAINING EXITING, AND NOISE RESTRICTIONS NEED TO BE REVIEWED FOR EACH SCOPE OF WORK. COORDINATE STAGING PLAN DRAWING.

DEMOLITION KEYNOTES

- 1 DEMO WINDOW INFILL AND FRAME LOCATED IN MASONRY WALL.
- 2 DEMO EXISTING DOOR. PREP OPENING FOR NEW DOOR. WORK TO BE SEQUENCED TO PROVIDE STRUCTURAL SUPPORT PRIOR TO REMOVAL OF ANY STRUCTURAL ELEMENTS. COORDINATE WITH STRUCTURAL DRAWINGS.
- 3 DEMO WINDOW AND FRAME. PREP AREA FOR NEW WORK. COORDINATE WITH FLOOR PLANS.
- 4 DEMO DOOR AND FRAME IN ITS ENTIRETY.
- 5 REMOVE DOORFRAME. TO BE REINSTALLED AT DOOR LOCATION 111.1-SEE FLOOR PLAN
- 6 DEMO INFILL FRAMED WALL INCLUDING WINDOWS AND DOORS
- 7 CUT OPENING IN EXISTING CLAY TILE WALL. WORK TO BE SEQUENCED TO PROVIDE STRUCTURAL SUPPORT PRIOR TO REMOVAL OF ANY STRUCTURAL ELEMENTS. SEE STRUCTURAL DRAWINGS.
- 8 DEMO WOOD FRAMED CANOPY AND SHINGLES.
- 9 DEMO CONCRETE WINDOW WELL, BACK-FILL
- 10 DEMO ALL INTERIOR WALLS ON MAIN LEVEL (WOOD STUD WITH GWB.)
- 11 DEMO ALL LAY IN CEILING TILES AND GRID ON MAIN LEVEL. DEMO PLASTER CEILING ABOVE TO LEAVE EXISTING STEEL ROOF JOISTS EXPOSED. PREP TO RECIEVE PAINT
- 12 FLOORING DEMO STAGES: 1. GC TO DEMO TOP LAYER OF FLOORING. 2.ABATEMENT CONTRACTOR, BY OWNER, TO DEMOABATE THE VCT LAYER UNDERNEATH.
- 13 REMOVE SIGN, TURN OVER TO OWNER
- 14 REMOVE SIGN AND SUPPORT. TURN OVER TO OWNER.
- 15 DEMO SLAB AS REQUIRED TO FACILITATE NEW, UNDER - SLAB PLUMBING. COORDINATE WITH MECHANICAL.
- 16 EXISTING STEEL COLUMN AND BEAM LINE TO REMAIN
- 17 DEMO CONCRETE RAISED PLANTER AREA. (12' TO 16' TALL) SEE CIVIL ALSO.
- 18 DEMO BASEMENT WINDOW, INFILL, WITH 8" CMU AND SELF ADHERED SHEET WATERPROOFING MEMBRANE
- 19 DEMO CARPET, PREP FLOOR FOR NEW FINISH.



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Demolition Plans & Elevations

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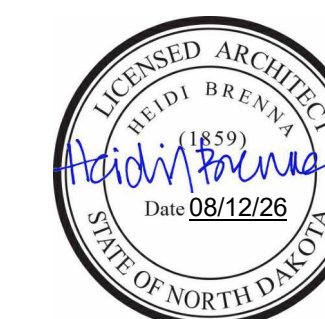
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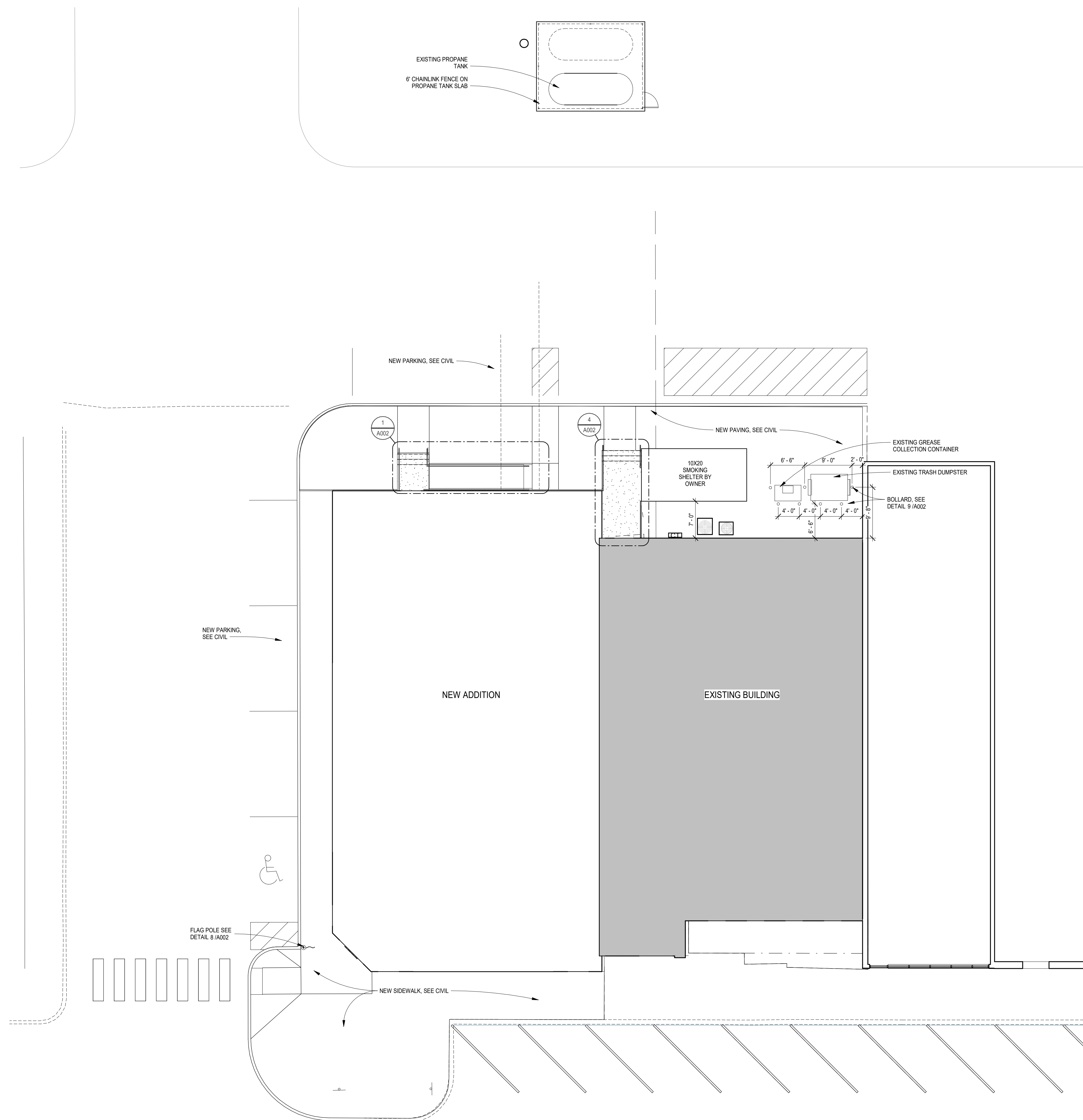
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Architectural Site Plan

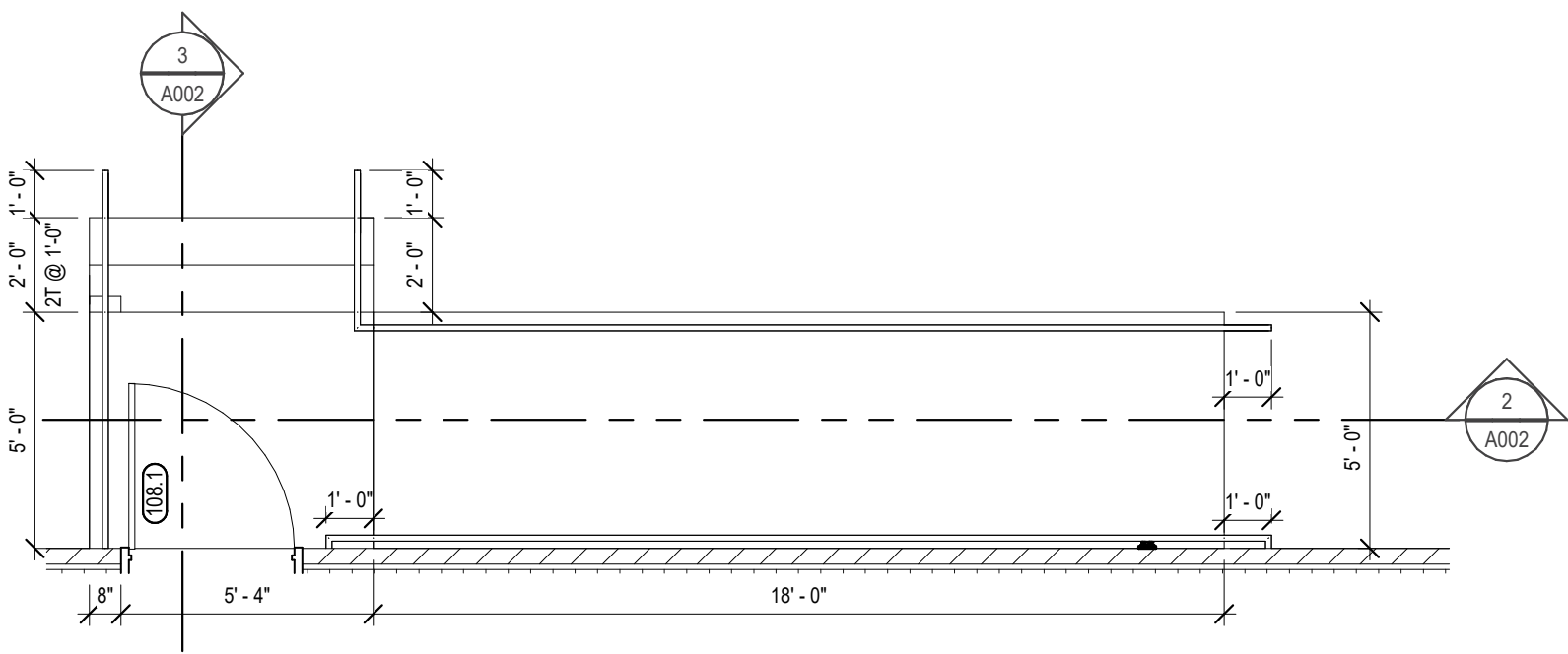
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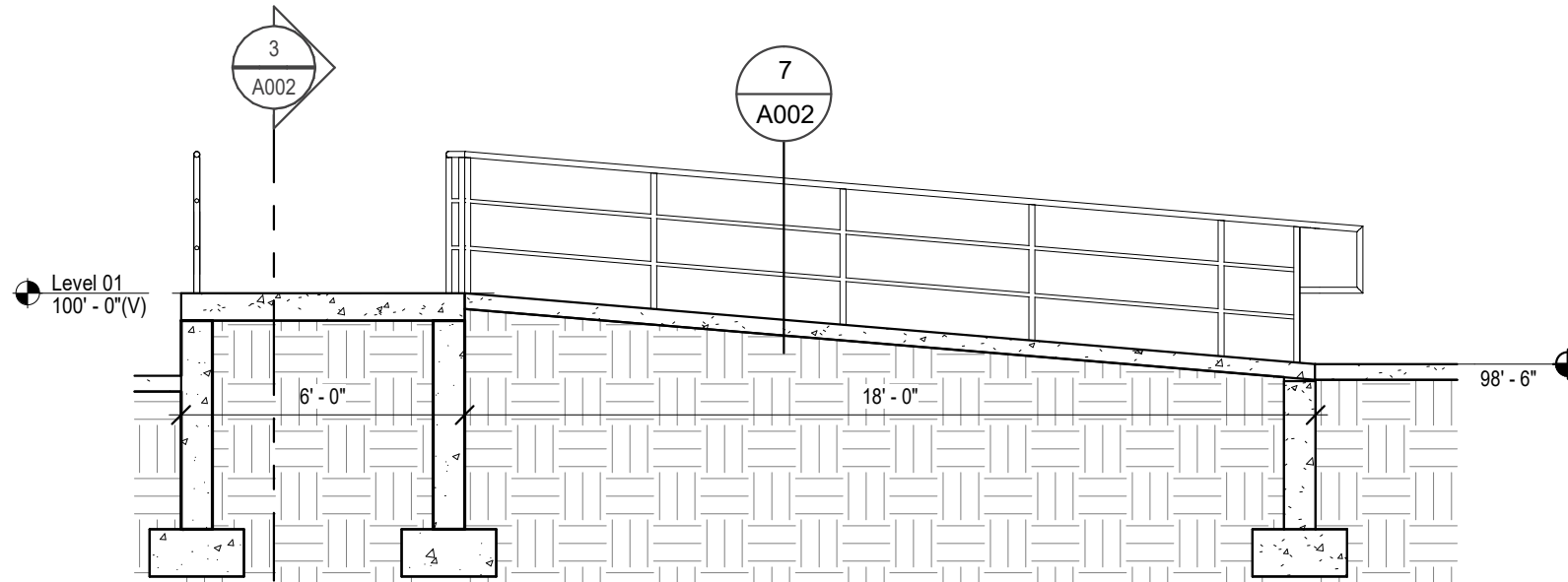


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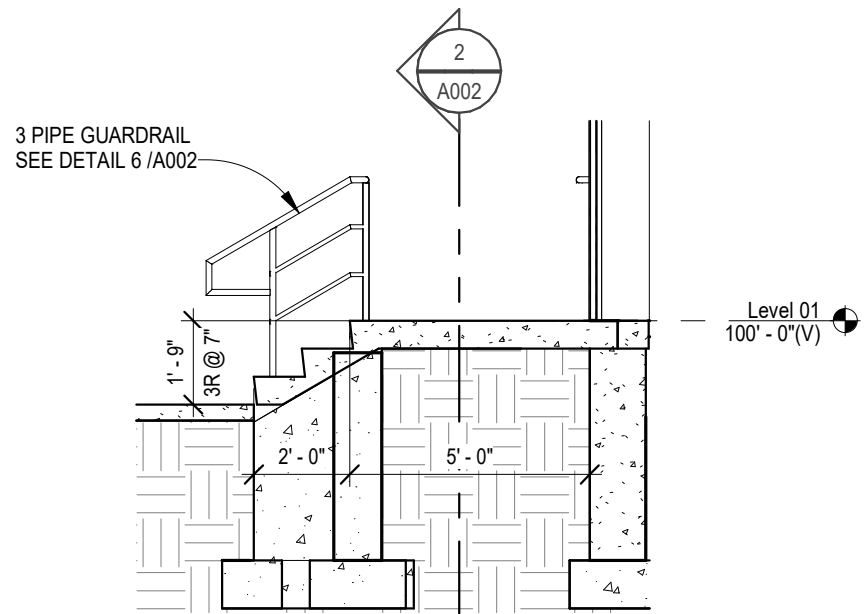
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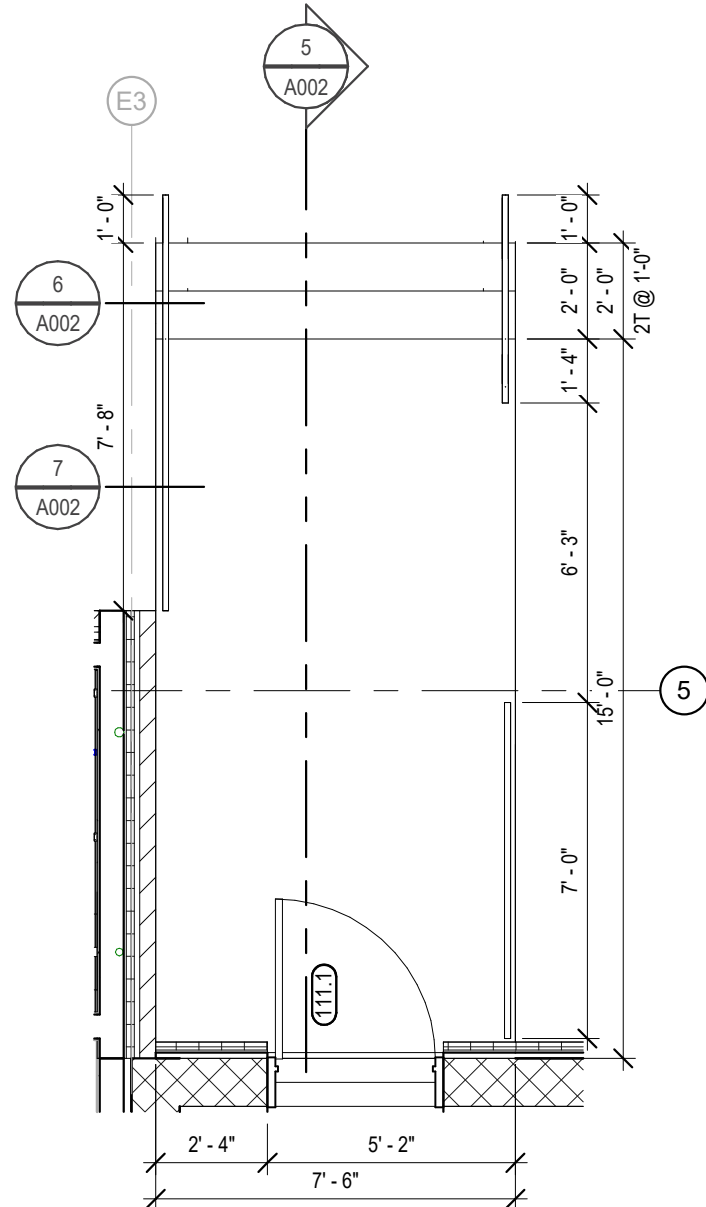
1 A002 Enlarged Exterior Stair & Ramp
1/4" = 1'-0"



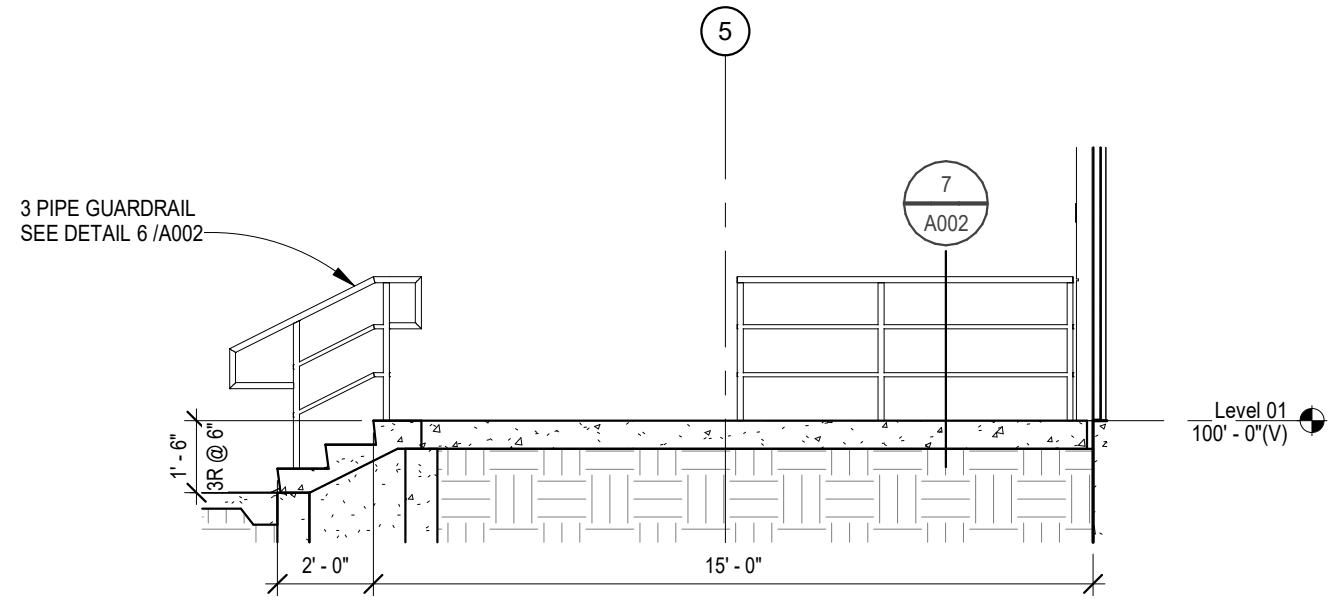
2 A002 Exterior Ramp Section
1/4" = 1'-0"



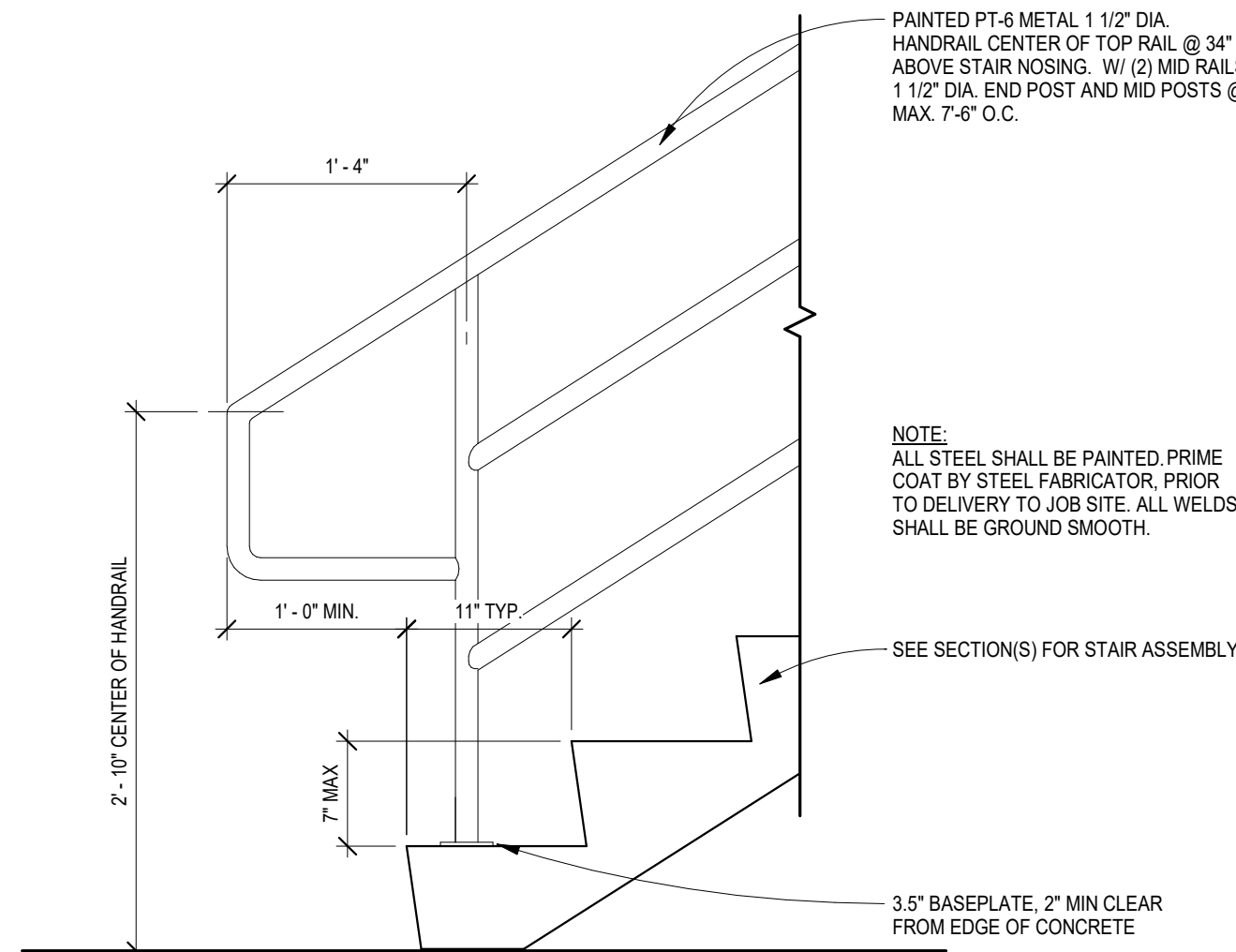
3 A002 Exterior Stair Section
1/4" = 1'-0"



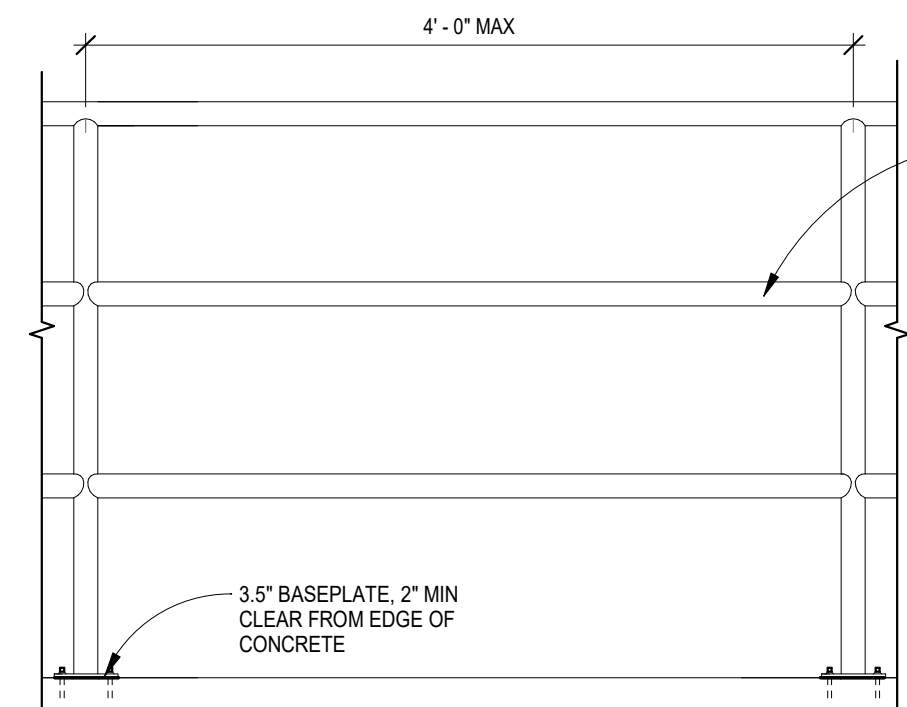
4 A002 Enlarged Exterior Stair
1/4" = 1'-0"



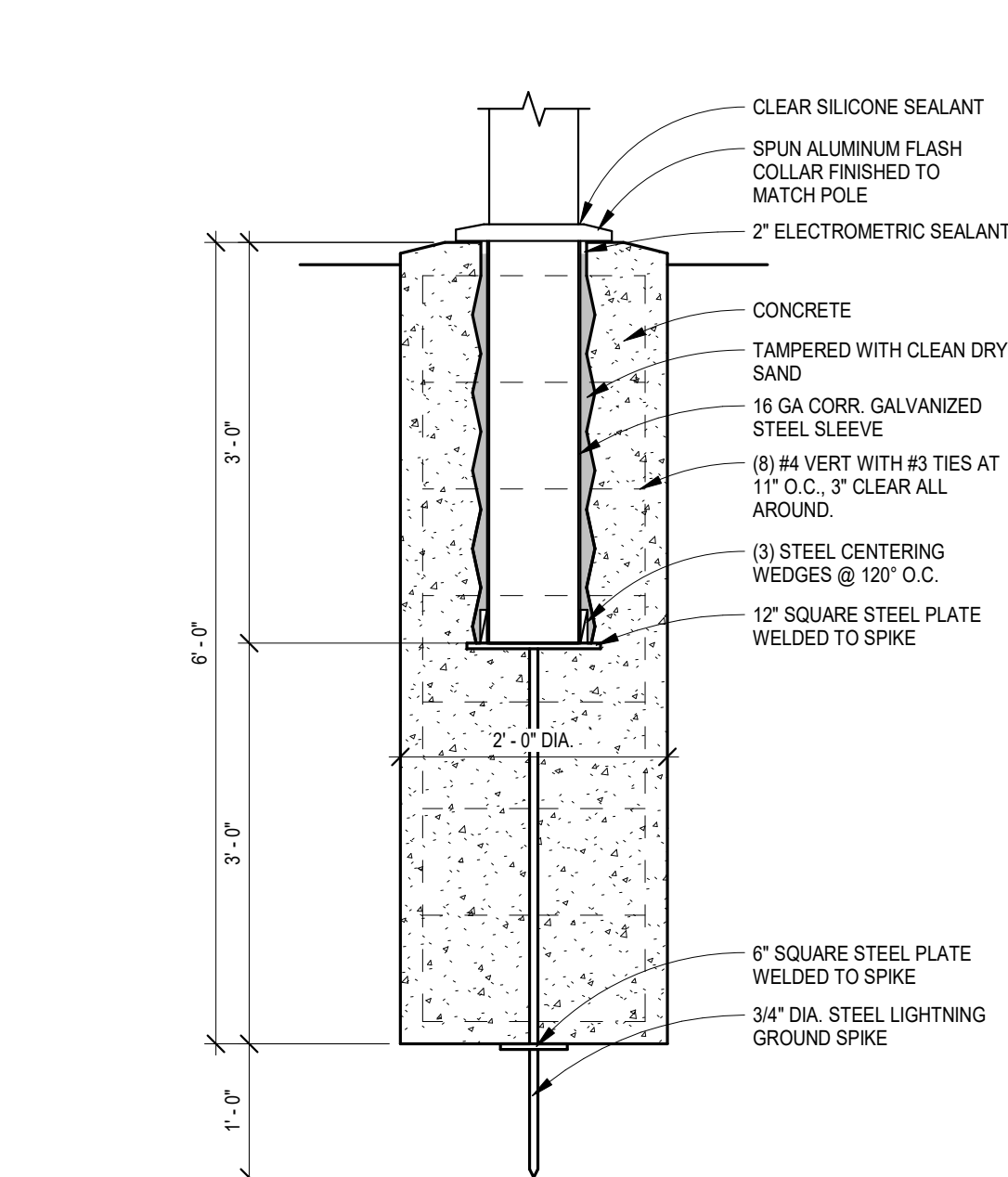
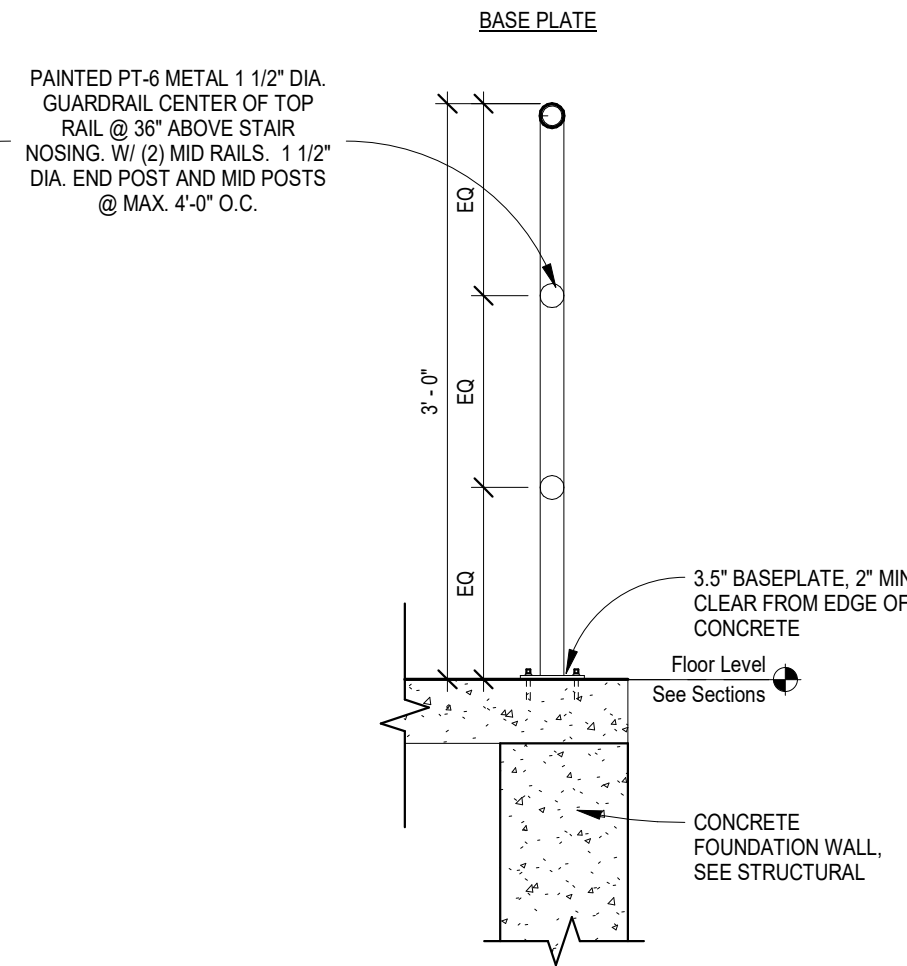
5 A002 Stair Section
1/4" = 1'-0"



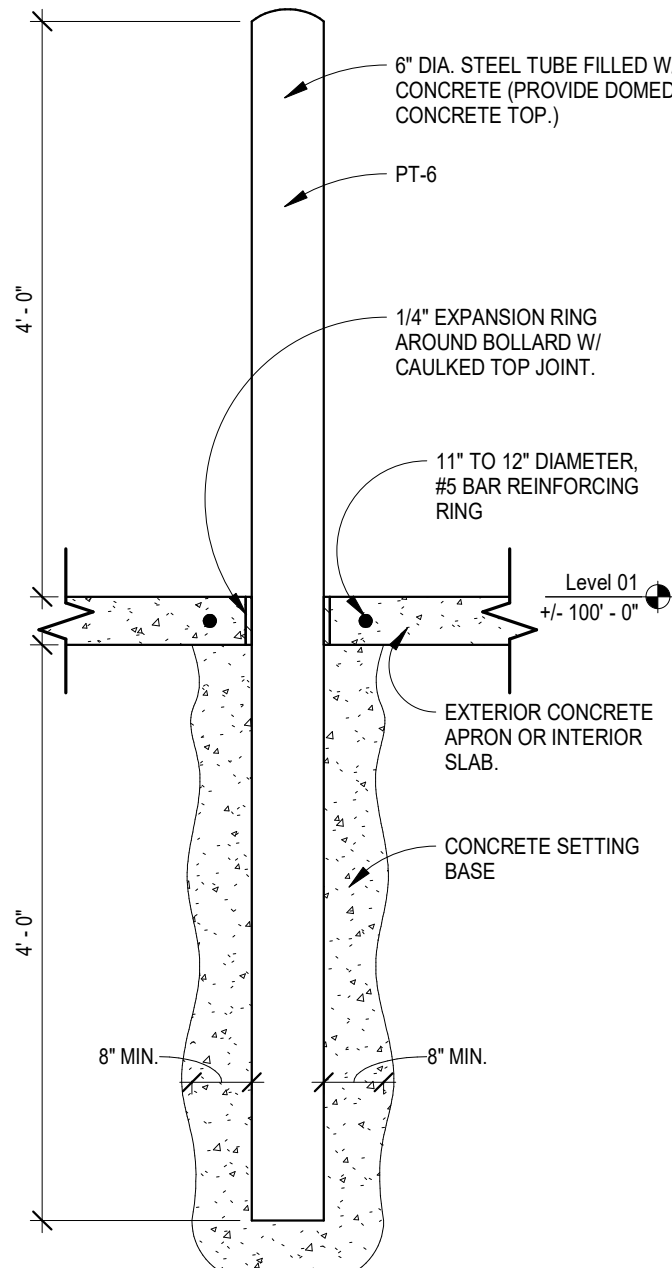
6 A002 Bottom Landing - 3 Pipe
1" = 1'-0"



7 A002 Guardrail Detail - 3 Pipe 36"
1" = 1'-0"



8 A002 Flag Pole Base Detail
3/4" = 1'-0"



9 A002 Bollard Detail
3/4" = 1'-0"



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DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

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Architectural Site Details

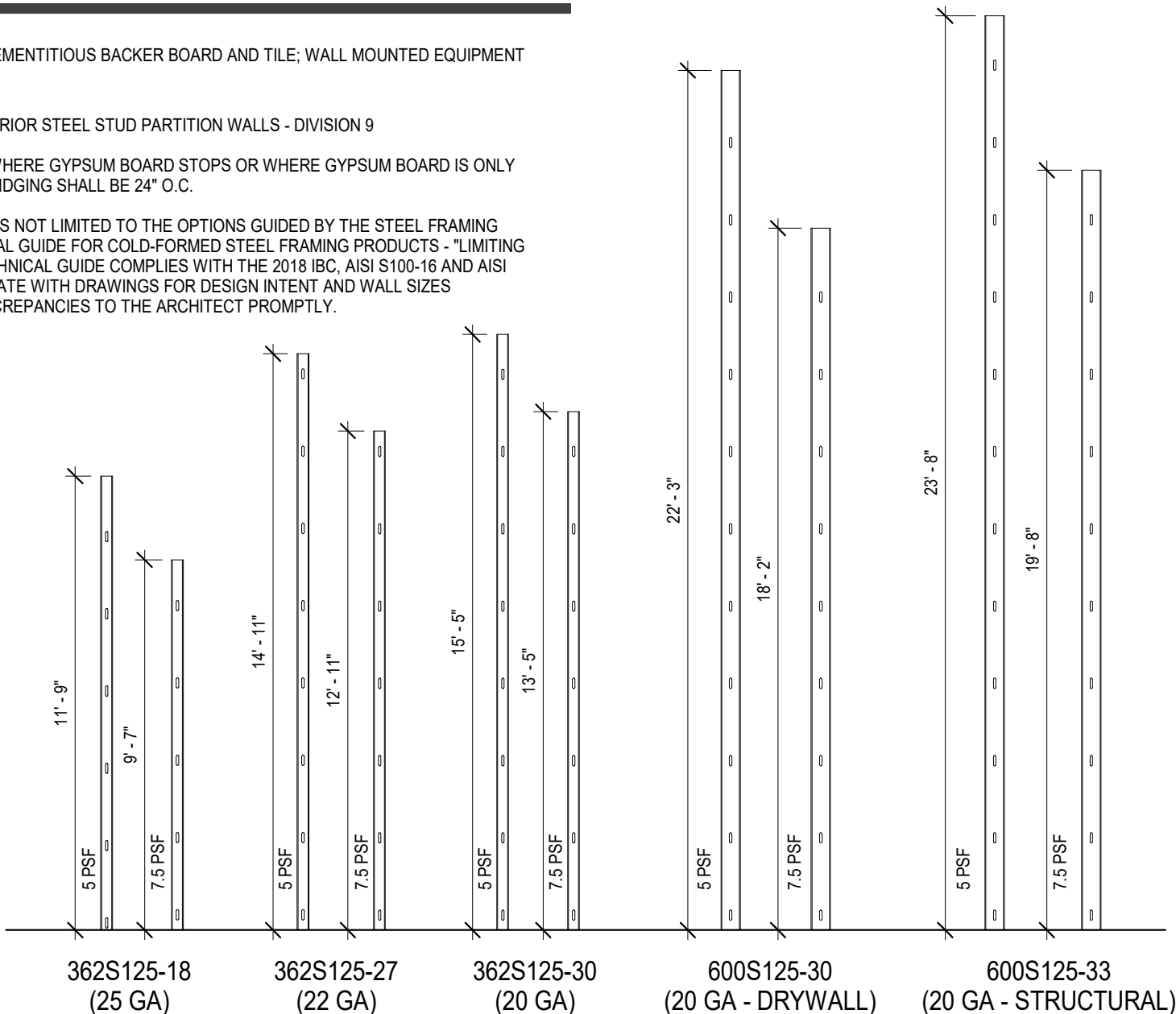
SHEET

A002

S STEEL STUD W/ GYPSUM - STANDARD <table><tr><th>WALL TAG</th><th>STUD WIDTH</th><th>ASSEMBLY WIDTH</th><th>NOTES</th></tr><tr><td>S3</td><td>3 5/8"</td><td>4 7/8" + MODIFIER</td><td>STC RATING: 44</td></tr><tr><td>S6</td><td>6"</td><td>7 1/4" + MODIFIER</td><td></td></tr></table>	WALL TAG	STUD WIDTH	ASSEMBLY WIDTH	NOTES	S3	3 5/8"	4 7/8" + MODIFIER	STC RATING: 44	S6	6"	7 1/4" + MODIFIER		SF STEEL STUD FURRING W/ GYPSUM <table><tr><th>WALL TAG</th><th>STUD WIDTH</th><th>ASSEMBLY WIDTH</th><th>NOTES</th></tr><tr><td>SF3</td><td>3 5/8"</td><td>4 1/4" + MODIFIER</td><td></td></tr><tr><td>SF6</td><td>6"</td><td>6 5/8" + MODIFIER</td><td></td></tr></table>	WALL TAG	STUD WIDTH	ASSEMBLY WIDTH	NOTES	SF3	3 5/8"	4 1/4" + MODIFIER		SF6	6"	6 5/8" + MODIFIER		VS MASONRY/ STEEL STUD ASSEMBLIES <table><tr><th>WALL TAG</th><th>STUD WIDTH</th><th>ASSEMBLY WIDTH</th><th>NOTES</th></tr><tr><td>VS6</td><td>6"</td><td>+/- 14 5/8"</td><td></td></tr></table>	WALL TAG	STUD WIDTH	ASSEMBLY WIDTH	NOTES	VS6	6"	+/- 14 5/8"		LS ALUMINUM COMP. / STEEL STUD ASSEMBLIES <table><tr><th>WALL TAG</th><th>STUD WIDTH</th><th>ASSEMBLY WIDTH</th><th>NOTES</th></tr><tr><td>LS6</td><td>6"</td><td>+/- 11"</td><td></td></tr></table>	WALL TAG	STUD WIDTH	ASSEMBLY WIDTH	NOTES	LS6	6"	+/- 11"	
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GENERAL NOTES

- 5 PSF = TYP FOR 5/8" GWB EA SIDE
7.5 PSF = TYP FOR WALLS BACKED WITH CEMENTITIOUS BACKER BOARD AND TILE; WALL MOUNTED EQUIPMENT
- BASED ON 16" O.C. STUD SPACING
 - USE ONLY FOR NON-LOAD BEARING INTERIOR STEEL STUD PARTITION WALLS - DIVISION 9
 - BRIDGING SHALL BE REQUIRED ABOVE WHERE GYPSUM BOARD STOPS OR WHERE GYPSUM BOARD IS ONLY ON ONE SIDE OF STUD. LOCATION OF BRIDGING SHALL BE 24" O.C.
 - GRAPHIC IS A GENERAL GUIDELINE AND IS NOT LIMITED TO THE OPTIONS GUIDED BY THE STEEL FRAMING INDUSTRY ASSOCIATION (SFA) TECHNICAL GUIDE FOR COLD-FORMED STEEL FRAMING PRODUCTS - "LIMITING WALL HEIGHTS - NON-COMPOSITE" TECHNICAL GUIDE COMPLES WITH THE 2018 IBC, AISI S100-16 AND AISI S308-15. CONTRACTOR SHALL COORDINATE WITH DRAWINGS FOR DESIGN INTENT AND WALL SIZES INDICATED AND COMMUNICATE ANY DISCREPANCIES TO THE ARCHITECT PROMPTLY.



Typical Steel Stud Wall Assembly

1 1/2" = 1'-0"

INTERIOR WALL TYPE TAG DESCRIPTION LEGEND

WALL TYPE DESIGNATION SYMBOL:
SEE SPECIFIC WALL TYPE ASSEMBLY FOR DESCRIPTION OF WALL COMPONENTS.

FIRST LETTER INDICATES CONSTRUCTION MATERIAL OF PARTITION WALL:

MATERIAL LEGEND:
S = STEEL STUDS
W = WOOD
M = MASONRY
P = PRECAST
C = CONCRETE

WALL TYPE MODIFIERS:
IF MODIFIER LETTERS ARE LOCATED ON THE TAG, THE FOLLOWING REQUIREMENTS SHALL BE IMPLEMENTED INTO THE WALL ASSEMBLY.

R = IMPACT RESISTANT GYPSUM BOARD
(INSTALL FROM FLOOR TO 6' A.F.F.)
A = ACOUSTICAL SEAL ALL PENETRATIONS,
AND SIDES, TOP AND BOTTOM OF WALL - BOTH SIDES
N = NO ACOUSTICAL BATT INSULATION

FIRE RATING AT WALL ASSEMBLY:
IF AN HOURLY FIRE RATING IS PRESENT, CONSTRUCT WALL PER LISTED UL DESIGN NOTED IN THE WALL TYPE ASSEMBLY. (WALL RATINGS ARE ALSO INDICATED ON CODE STUDY PLANS, IF NOT TAGGED, THE MOST RESTRICTIVE SHALL GOVERN.)

WALL HEIGHT INDICATOR:
IF A NUMBER IS NOTED, FOLLOWED BY AFF, THE REFERENCE IS TO INDICATE WALL HEIGHT ABOVE FINISHED FLOOR.

TYPICAL WALL TAG
???
? HR

WALL TAG W/ MODIFIERS
? ? ?
? ? AFF

EXTERIOR WALL TYPE TAG DESCRIPTION LEGEND

WALL TYPE DESIGNATION SYMBOL:
SEE SPECIFIC WALL TYPE ASSEMBLY FOR DESCRIPTION OF WALL COMPONENTS.

FIRST LETTER INDICATES FINISH MATERIAL ON THE EXTERIOR WALL SURFACE:

N = METAL PANEL
L = ALUMINUM COMPOSITE PANEL
V = MASONRY VENEER

SECOND LETTER INDICATES CONSTRUCTION MATERIAL OF THE BACK-UP WALL:

S = STEEL STUDS
M = MASONRY
C = CONCRETE

NUMBER INDICATES DEPTH OF THE BACK-UP WALL CONSTRUCTION MATERIAL:

FIRE RATING AT WALL ASSEMBLY:
IF AN HOURLY FIRE RATING IS PRESENT, CONSTRUCT WALL PER LISTED UL DESIGN NOTED IN THE WALL TYPE ASSEMBLY. (WALL RATINGS ARE ALSO INDICATED ON CODE STUDY PLANS, IF NOT TAGGED, THE MOST RESTRICTIVE SHALL GOVERN.)

WALL TYPE MODIFIERS:
IF MODIFIER LETTERS ARE LOCATED ON THE TAG, THE FOLLOWING REQUIREMENTS SHALL APPLY TO THE WALL ASSEMBLY.

R = IMPACT RESISTANT GYPSUM BOARD
(INSTALL FROM FLOOR TO 6' A.F.F.)
A = ACOUSTICAL SEAL ALL PENETRATIONS,
AND SIDES, TOP AND BOTTOM OF WALL - BOTH SIDES
N = NO ACOUSTICAL BATT INSULATION

TYPICAL WALL TAG
???
? HR

WALL TAG W/ MODIFIERS
? ? ?
? ? AFF

GENERAL NOTES - MASONRY PARTITIONS

- ALL MASONRY PARTITIONS TO HAVE HORIZONTAL JOINT REINFORCEMENT @ 16" O.C. VERTICALLY.
- ALL MASONRY PARTITIONS TO HAVE BULLNOSE EDGES AT ALL DOOR AND WINDOW JAMBS, SILL, AND HEADS UNLESS DOOR FRAMES COVER CORNERS OR IF NOTED OTHERWISE.
- PARTITION HEIGHT IS ASSUMED TO EXTEND TO BOTTOM OF ROOF/ FLOOR DECK ABOVE U.N.O. ALL MASONRY PARTITIONS SHALL HAVE 1/2" TO 1" GAP TO ALLOW STRUCTURE ABOVE TO DEFLECT WITHOUT LOADING NON-BEARING WALL U.N.O. ON DRAWINGS. CUT BLOCK AROUND JOIST AND BEAMS WHERE NECESSARY. FIRE SAFE GAP WHERE FIRE RATING IS REQUIRED. ACOUSTICAL SPRAY FOAM GAPS WHERE FIRE RATING IS NOT REQUIRED.
- ALL NON LOAD BEARING MASONRY PARTITIONS TO FOLLOW THE MASONRY LINTEL SCHEDULE PROVIDED ON THIS DRAWING.
- NON-BEARING MASONRY LINTEL SCHEDULE NOTE:
MAXIMUM ALLOWABLE WALL HEIGHT ABOVE OPENINGS IS 8'-0".
CMU WALL IS ASSUMED TO BE GROUTED AT 4'-0" c.
TIGHTER GROUT SPACING WILL AFFECT MAXIMUM ALLOWABLE WALL HEIGHT ABOVE OPENING.

GENERAL NOTES - UL WALL ASSEMBLIES

- WHEN HOURLY RATING IS SHOWN ON A WALL TAG, OR ON THE CODE STUDY PLAN, THE WALL IS TO BE CONSTRUCTED PER THE UL ASSEMBLY REQUIREMENTS.

NOTE: UNDERWRITERS LABORATORIES ALLOWS FOR MODIFICATIONS TO INDIVIDUAL DESIGNS. SOME MODIFICATIONS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: SCREWS MAY BE SUBSTITUTED FOR NAILS, ONE FOR ONE WHEN THE HEAD DIAMETER, LENGTH, AND SPACING EQUALS OR EXCEEDS THE REQUIREMENTS FOR THE SPECIFIED NAILS.

GYPSUM BOARD THICKNESS SPECIFIED IN SPECIFIC DESIGNS ARE MINIMUMS. GREATER THICKNESS OF GYPSUM BOARD ARE PERMITTED AS LONG AS THE FASTENER LENGTH IS INCREASED PROPORTIONALLY, ADDITIONAL LAYERS OF GYPSUM BOARD ARE PERMITTED TO BE ADDED TO ANY DESIGN. THE SIZE OF THE STUDS ARE MINIMUMS UNLESS OTHERWISE STATED IN THE DESIGN.

THE GENERIC WALL MAKE-UP SHOWN UNDER EACH WALL TYPE DESIGNATION SHOWS THE DESIGN INTENT FOR THAT SPECIFIC PARTITION, ALTHOUGH IT MAY NOT EXACTLY MATCH THE UL ASSEMBLY. IT HAS BEEN DESIGNED USING THE ALLOWED MODIFICATIONS. THE CONTRACTOR IS TO CONSTRUCT THE WALL BASED ON THE GENERIC MAKE-UP FOLLOWING THE UL DESIGN STANDARD WHEN THE WALL IS RATED. IF THE CONTRACTOR WISHES TO MODIFY COMPONENTS AND REQUIREMENTS OUTLINED IN THE UL ASSEMBLY, APPROVAL FOR A SUBSTITUTION MUST BE PROVIDED BY ARCHITECT PRIOR TO IMPLEMENTING.

GENERAL NOTES - FRAMED PARTITIONS

- ALL LOAD BEARING WALLS TO BE CONSTRUCTED PER STRUCTURAL ENGINEERS DESIGN REQUIREMENTS. SEE STRUCTURAL SHEETS FOR INFORMATION.
- ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES TO BE FIRE SAFE BY THE TRADE/ CONTRACTOR THAT CREATED THE PENETRATION.
- ALL STEEL STUD AND WOOD STUD PARTITIONS TO HAVE BATT INSULATION U.N.O. ON PLANS
- ALL UL ASSEMBLIES SHOWN ARE REPRINTED FROM THE ONLINE CERTIFICATIONS DIRECTORY WITH PERMISSION FROM UNDERWRITERS LABORATORIES INC. COPYRIGHT 2018 UNDERWRITERS LABORATORIES, INC. CONTRACTORS MAY REFER TO WWW.UL.COM FOR ONLINE ACCESS TO ALL ASSEMBLIES AND MODIFICATIONS.
- PARTITION HEIGHT IS ASSUMED TO EXTEND TO BOTTOM OF ROOF/ FLOOR DECK ABOVE U.N.O. FRAMING AND GYPSUM BOARD TO JOG AROUND JOIST AND BEAMS. WHERE NECESSARY FIRE SAFE GAP WHERE FIRE RATING IS REQUIRED.
- PARTITIONS WITHIN WET AREAS INCLUDING BUT NOT LIMITED TO RESTROOMS AND KITCHENS SHALL HAVE WATER RESISTANT GYPSUM BOARD WHEN GYPSUM BOARD IS CALLED OUT AS THE FINISH IN THE WALL ASSEMBLY.
- CONTRACTOR IS RESPONSIBLE FOR BLOCKING NEEDED FOR ANY WALL MOUNTED ACCESSORY.
- STEEL STUD PARTITIONS ARE TO HAVE DEFLECTION TRACK U.N.O.
- DEFLECTION TRACK TO BE INSTALLED AT TOP OF METAL STUD PARTITIONS WHERE METAL STUD PARTITIONS ARE INSTALLED TO HORIZONTAL HOLLOW CORE PLANK.
- SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS AND SCHEDULES. THE NOTED WALL ASSEMBLY WIDTHS MAY NOT ACCOUNT FOR STRUCTURAL SHEAR PANELS.

GENERAL NOTES - UL HORIZ. ASSEMBLIES

- WHEN HOURLY RATING IS SHOWN ON A WALL TAG, OR ON THE CODE STUDY PLAN, THE WALL IS TO BE CONSTRUCTED PER THE UL ASSEMBLY REQUIREMENTS.

NOTE: UNDERWRITERS LABORATORIES ALLOWS FOR MODIFICATIONS TO INDIVIDUAL DESIGNS. SOME MODIFICATIONS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: SCREWS MAY BE SUBSTITUTED FOR NAILS, ONE FOR ONE WHEN THE HEAD DIAMETER, LENGTH, AND SPACING EQUALS OR EXCEEDS THE REQUIREMENTS FOR THE SPECIFIED NAILS.

GYPSUM BOARD THICKNESS SPECIFIED IN SPECIFIC DESIGNS ARE MINIMUMS. GREATER THICKNESS OF GYPSUM BOARD ARE PERMITTED AS LONG AS THE FASTENER LENGTH IS INCREASED PROPORTIONALLY, ADDITIONAL LAYERS OF GYPSUM BOARD ARE PERMITTED TO BE ADDED TO ANY DESIGN. THE SIZE OF THE STUDS ARE MINIMUMS UNLESS OTHERWISE STATED IN THE DESIGN.

THE GENERIC ASSEMBLY MAKE-UP SHOWN UNDER EACH TYPE DESIGNATION SHOWS THE DESIGN INTENT FOR THAT SPECIFIC HORIZONTAL ASSEMBLY, ALTHOUGH IT MAY NOT EXACTLY MATCH THE UL ASSEMBLY. IT HAS BEEN DESIGNED USING THE ALLOWED MODIFICATIONS. THE CONTRACTOR IS TO CONSTRUCT THE WALL BASED ON THE GENERIC MAKE-UP FOLLOWING THE UL DESIGN STANDARD WHEN THE WALL IS RATED. IF THE CONTRACTOR WISHES TO MODIFY COMPONENTS AND REQUIREMENTS OUTLINED IN THE UL ASSEMBLY, APPROVAL FOR A SUBSTITUTION MUST BE PROVIDED BY ARCHITECT PRIOR TO IMPLEMENTING.

HORIZONTAL ASSEMBLY TYPE DESCRIPTION LEGEND

ASSEMBLY TYPE DESIGNATION SYMBOL:
SEE SPECIFIC ASSEMBLY FOR DESCRIPTION OF CONSTRUCTION MATERIALS.

FIRST LETTER INDICATES THE LOCATION OF THE HORIZONTAL ASSEMBLY:

R = ROOF / CEILING
F = FLOOR / CEILING (OR SLAB)
H = HORIZONTAL ASSEMBLY

SECOND LETTER INDICATES CONSTRUCTION MATERIAL AT THE HORIZONTAL ASSEMBLY:

S = STEEL TRUSSES AND/OR BEAMS
C = CONCRETE OR COMPOSITE SYSTEMS

NUMBERS ARE USED TO DIFFERENTIATE BETWEEN INDIVIDUAL ASSEMBLY TYPES. THEY DO NOT INDICATE ASSEMBLY DEPTHS.

FIRE RATING AT ASSEMBLY:
IF AN HOURLY FIRE RATING IS PRESENT, CONSTRUCT ASSEMBLY PER LISTED UL DESIGN NOTED IN THE ASSEMBLY TYPE. (RATINGS ARE ALSO INDICATED ON CODE STUDY PLANS, IF NOT TAGGED ON THE BUILDING OR WALL SECTIONS, THE MOST RESTRICTIVE SHALL GOVERN.)

TYPICAL HORIZONTAL ASSEMBLY TAG
??
22

NON-BEARING 8" WALLS

SPAN	STEEL LINTEL OPTION	CMU LINTEL OPTION	REINF.	BEARING
< 4'-0"	N/A	8" DEEP BOND BEAM	2 - #5	8" EACH END
4'-0" - 6'-0"	2 = L4x3 1/2x14" (LLBB)	16" DEEP BOND BEAM	2 - #5	8" EACH END
6'-0" - 8'-0"	2 = L5x3 1/2x14" (LLBB)	16" DEEP BOND BEAM	2 - #5	8" EACH END
8'-0" - 10'-0"	2 = L6x3 1/2x5/16" (LLBB)	16" DEEP BOND BEAM	2 - #5	8" EACH END
> 10'-0"	CONTACT ARCHITECT / STRUCTURAL ENGINEER	CONTACT ARCHITECT / STRUCTURAL ENGINEER		

NOTES:
MAXIMUM ALLOWABLE WALL HEIGHT ABOVE OPENINGS IS 8'-0".
CMU WALL IS ASSUMED TO BE GROUTED AT 4'-0" c. TIGHTER GROUT SPACING WILL AFFECT MAXIMUM ALLOWABLE WALL HEIGHT ABOVE OPENING.



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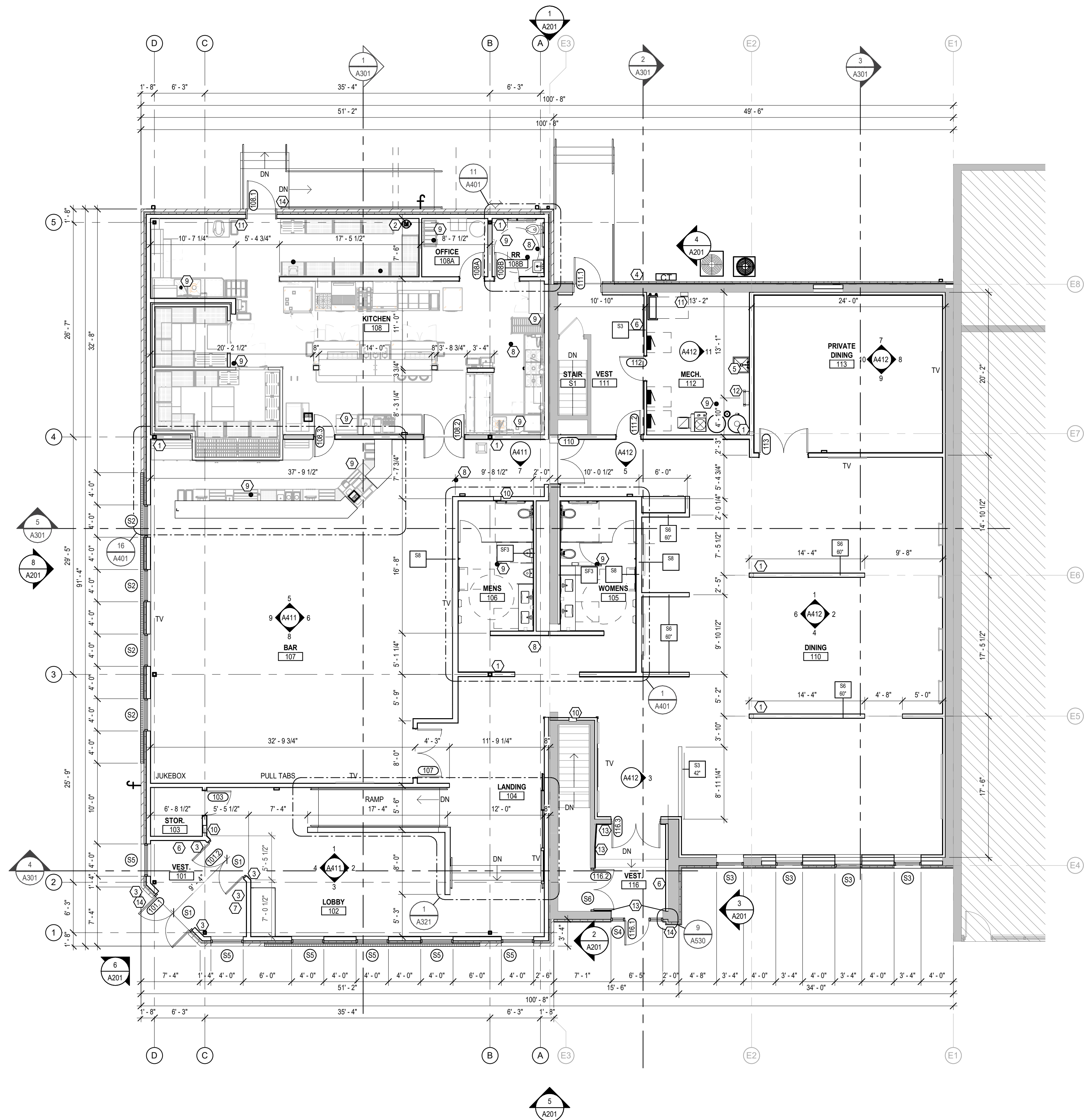
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Wall & Horizontal Assemblies

SHEET

A092

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1 A101 Floor Plan
1/8" = 1'-0"

GENERAL NOTES - FLOOR PLAN

- COORDINATE WALL TYPES AND RATINGS, AND HORIZONTAL ASSEMBLY RATINGS & TAGS, WITH CODE STUDY DRAWINGS AND ASSEMBLY TYPE DRAWINGS.
- ALL INTERIOR WALLS TO BE TYPE S6, UNLESS NOTED OTHERWISE. ALL INTERIOR FURRING WALLS TO BE TYPE SF3, UNLESS NOTED OTHERWISE.
- EXTERIOR DIMENSIONS ARE TO FACE OF STUD OR NOMINAL FACE OF BRICK VENEER AT FRAMED WALLS. (VERIFY ACTUAL THICKNESS OF WALL ASSEMBLY)
- INTERIOR DIMENSIONS ARE TO CENTER OF STUD OR FACE OF STUD AT FURRING WALLS (WHERE A CLR NOTE IS PROVIDED BELOW THE DIMENSION STRING, THE DISTANCE PROVIDED IS A MINIMUM BETWEEN FINISHED SURFACES.) DIMENSIONS INDICATED AS "CLEAR" SHALL BE MAINTAINED IN CASE OF DISCREPANCY.
- DIMENSIONS ARE SHOWN TO NOMINAL / WHOLE NUMBER. OPENING SIZES ARE TO ACCOUNT FOR WOOD BUCKING. COORDINATE WITH DETAILS. COORDINATE ALL ROUGH OPENINGS WITH THE ACTUAL WINDOW UNIT, DOOR FRAME, CURTAIN WALL/STOREFRONT, OR LOUVER SIZES AND REQUIREMENTS.
- ALL WINDOW OPENINGS IN BRICK ARE MASONRY OPENINGS. DIMENSIONS ARE SHOWN TO NOMINAL / WHOLE NUMBER. OPENING SIZES ARE TO ACCOUNT FOR WOOD BUCKING. COORDINATE WITH DETAILS.
- WORK FROM GIVEN DIMENSIONS. IN GENERAL, LARGE-SCALE DETAILS TAKE PRECEDENCE OVER SMALLER SCALE PLANS, ELEVATIONS AND BUILDING SECTIONS. NOTIFY THE ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES PRIOR TO COMMENCING THE WORK, AND DO NOT BEGIN WORK UNTIL SUCH DISCREPANCIES ARE RESOLVED BY THE ARCHITECT.
- DO NOT SCALE THE DRAWINGS.
- UNLESS NOTED OTHERWISE, THE LOCATION OF DOOR FRAMES SHALL BE 4" FROM THE ADJACENT WALL STUDS TO THE HINGE SIDE OF THE ROUGH OPENING.
- GC TO PROVIDE BLOCKING AS REQUIRED FOR INSTALLATION OF CASEWORK, EQUIPMENT, AND ACCESSORIES.
- ITEMS BY OWNER OR NIC SHOWN GRAY.
- TYPICAL DETAIL NOTES:
THE FOLLOWING NOTES ARE TYPICAL THROUGHOUT THIS PROJECT AND APPLY IN ALL CASES UNLESS SPECIFICALLY NOTED OTHERWISE. THESE NOTES AND ASSOCIATED DETAILS MAY NOT BE DIRECTLY REFERENCED ON THE DRAWINGS:
ALL ROOF LEADERS, HEAT PIPING, SPRINKLER RISERS, PLUMBING VENTS, SANITARY PLUMBING OR MISCELLANEOUS PIPING SHALL BE ENCLOSED WITHIN THE WALL CONSTRUCTION.

KEYNOTES - FLOOR PLAN

- CENTER STUD FRAMING ON COLUMN OR STEEL FRAME. GWB TO PASS BY ON EACH SIDE OF STEEL WITHOUT INTERRUPTION.
- SPRINKLER RISER AND WATER METER. SEE MECHANICAL.
- HANDICAP DOOR ACTUATOR PUSH BUTTON PEDESTAL. COORDINATE WITH ELECTRICAL AND HARDWARE SPECIFICATIONS.
- PROPANE METER.
- MOP SINK.
- CABINET UNIT HEATER. COORDINATE WITH MECHANICAL AND ELECTRICAL.
- SECURITY CONTROL PANEL. COORDINATE WITH ELECTRICAL.
- CLEAN OUT DRAIN. COORDINATE WITH MECHANICAL.
- FLOOR DRAIN. COORDINATE WITH MECHANICAL.
- FIRE EXTINGUISHER CABINET - RECESSED.
- FIRE EXTINGUISHER ON WALL BRACKET.
- ROOF ACCESS LADDER. CENTER BETWEEN EXISTING ROOF JOISTS.
- 5/8" GWB OVER 3/4" HAT CHANNEL FROM EXISTING FLOOR TO EXISTING CEILING.
- CARD READER BY OWNERS VENDOR.



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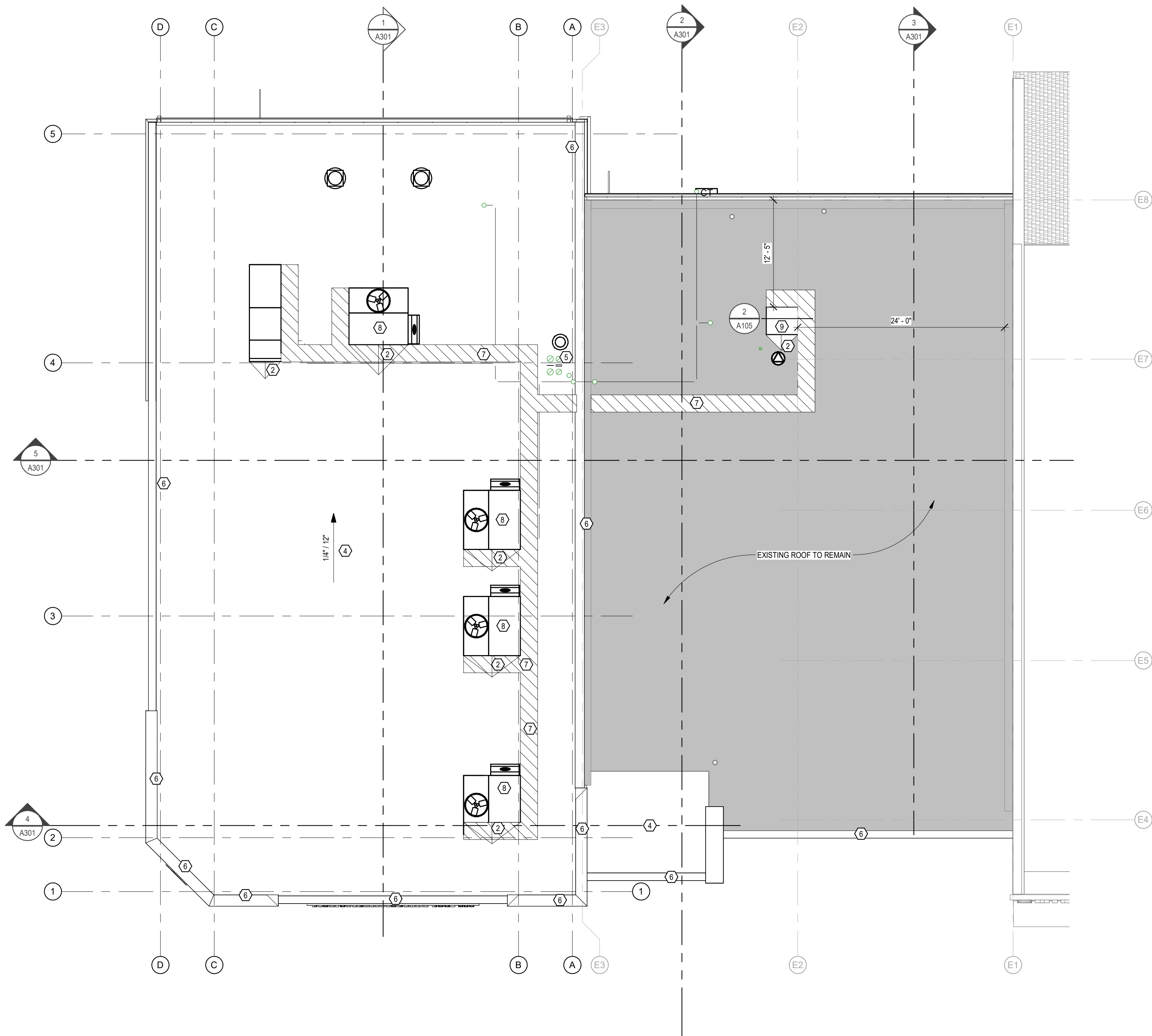
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First Floor Plan

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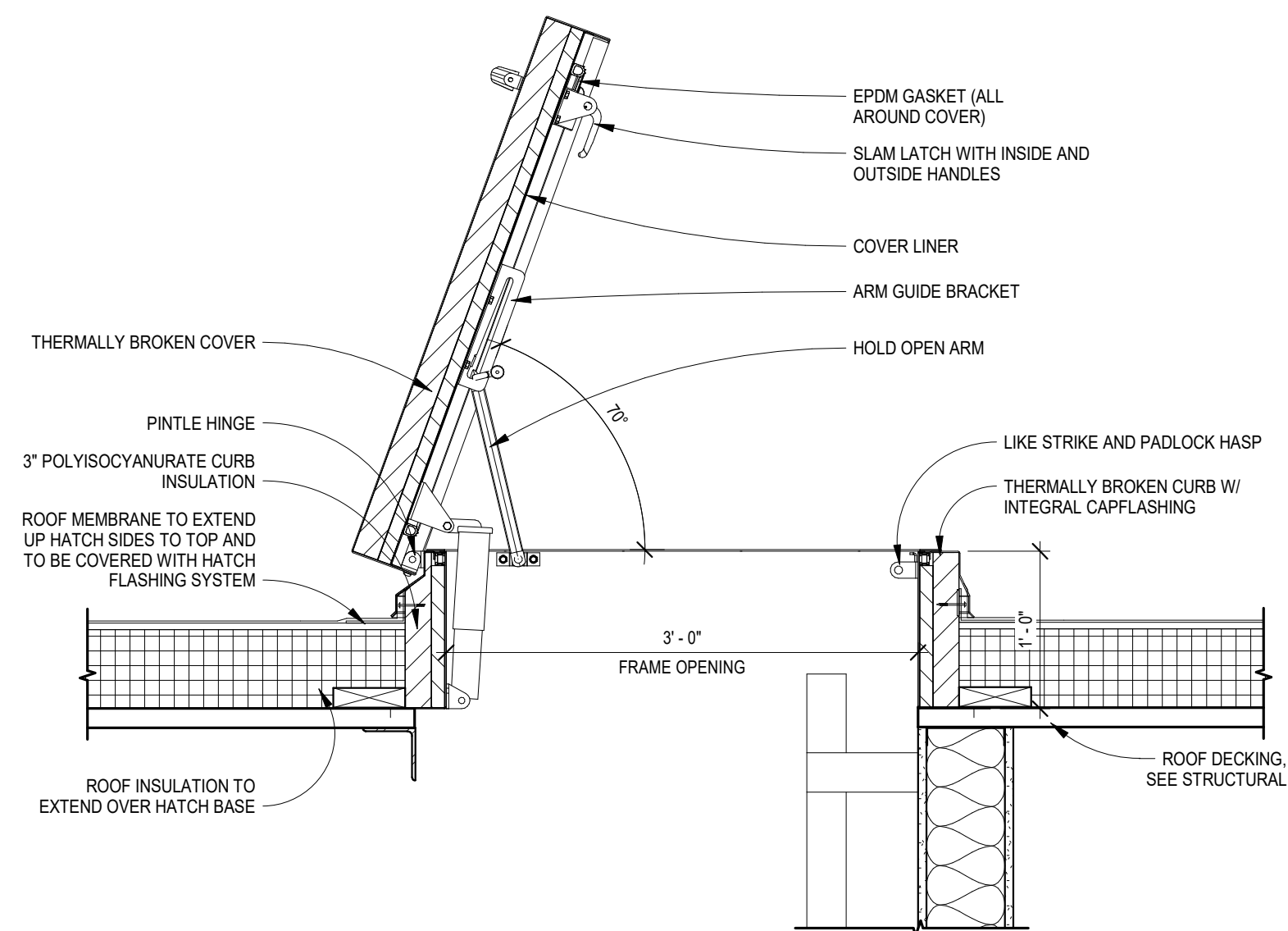
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1 A105 Roof Plan
1/8" = 1'-0"



2 A105 Roof Hatch Belco
1" = 1'-0"



GENERAL NOTES - ROOF PLAN

- COORDINATE FULL EXTENT OF ROOF PENETRATIONS AND EQUIPMENT CURBS WITH MECHANICAL AND ELECTRICAL DRAWINGS.
- ROOF MEMBRANE TO RUN UP VERTICAL PARAPET FACE AND OVER TOP OF WALL. TYPICAL THROUGHOUT. COORDINATE WITH DETAILS.

KEYNOTES - ROOF PLAN

- SLOPED ROOF TRUSS W/ 6" MINIMUM ROOF INSULATION ABOVE STRUCTURE DECK.
- CRICKET. (SLOPED INSULATION TO PROVIDE 1/2" PER FOOT SLOPE)
- NOT USED
- TAPERED INSULATION ABOVE LEVEL DECK. 1/4" / 1' - 0" MINIMUM SLOPE. (6" MINIMUM INSULATION DEPTH).
- FROST FREE HYDRANT. SEE MECHANICAL.
- METAL COPING. TYPICAL AT ALL ROOF PARAPETS (COORDINATE WITH ELEVATIONS AND DETAILS)
- ROOF WALKWAY PADS (TYPICAL AROUND MECHANICAL EQUIPMENT)
- ROOF TOP EQUIPMENT. SEE MECHANICAL.
- 30x36 ROOF HATCH. SEE SPEC



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ELECTRICAL

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CIVIL

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DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

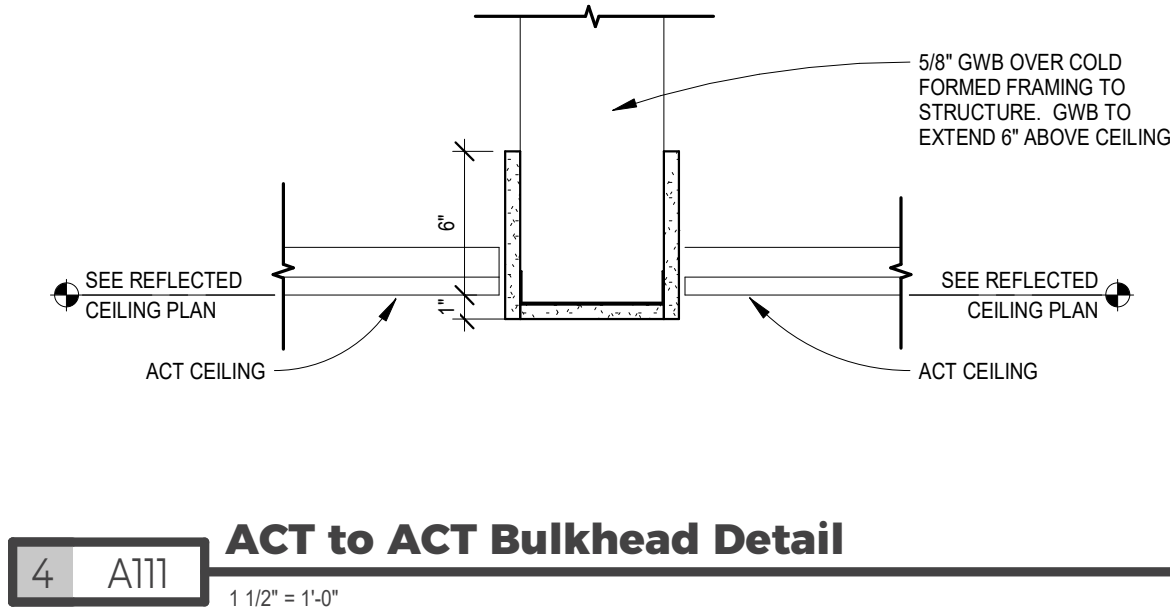
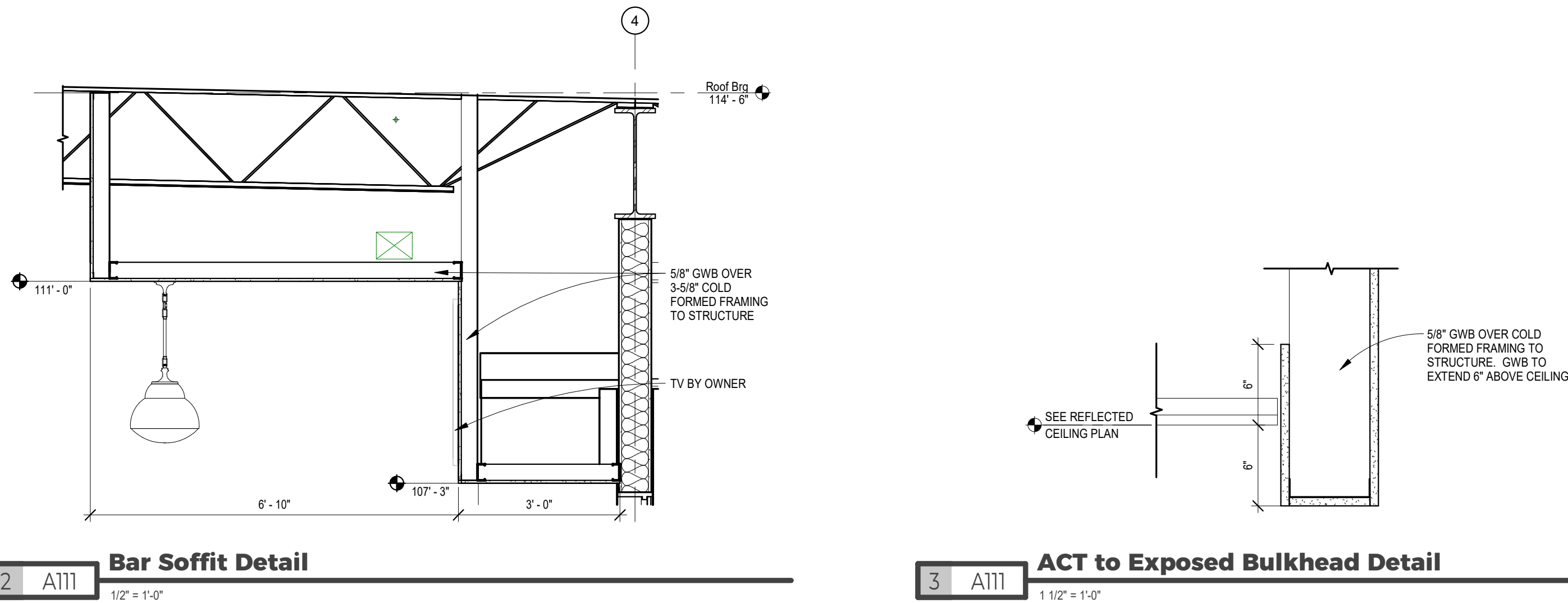
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JN: 23-018

Roof Plan

SHEET

A105



GENERAL NOTES - RCP

- ALL MECHANICAL ITEMS, ELECTRICAL DEVICES, AND SPRINKLER HEADS, TO BE CENTERED IN CEILING TILES. TYPICAL THROUGHOUT. (WHERE TILES ARE RECTANGULAR, ITEMS TO BE PLACED EQUAL DISTANCES FROM THREE SIDES, AT END OF TILE.)
- WALLS TO EXTEND TO DECK ABOVE, AS PER WALL TYPE LEGEND ON DRAWING. CUT AROUND STEEL BEAMS AND/OR TRUSSES AS REQUIRED. UTILIZE SLIP TRACK AT HEAD AT ALL STEEL STUD PARTITIONS. (SEE CODE STUDY DRAWINGS FOR LOCATIONS OF RATED WALLS.)
- LIGHTS AND GRIDS ARE TYPICALLY CENTERED IN ROOMS, OR BETWEEN SELECT WALLS WITHIN A GIVEN AREA. UNO, COORDINATE EACH AREA WITH ELECTRICAL SHEETS AND FIELD VERIFICATION PRIOR TO INSTALL. LIGHT LOCATIONS GOVERN OVER OTHER MECHANICAL AND ELECTRICAL DEVICES.
- ADDITIONAL ELECTRICAL AND MECHANICAL ITEMS MAY NOT BE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLAN. COORDINATE PLACEMENT OF ALL ITEMS WITH ENGINEERING DOCUMENTS.
- PROVIDE HOLD DOWN CLIPS AT SUSPENDED CEILING ASSEMBLIES AT EXTERIOR DOORS AS RECOMMENDED BY CEILING MANUFACTURER.

REFLECTED CEILING PLAN LEGEND

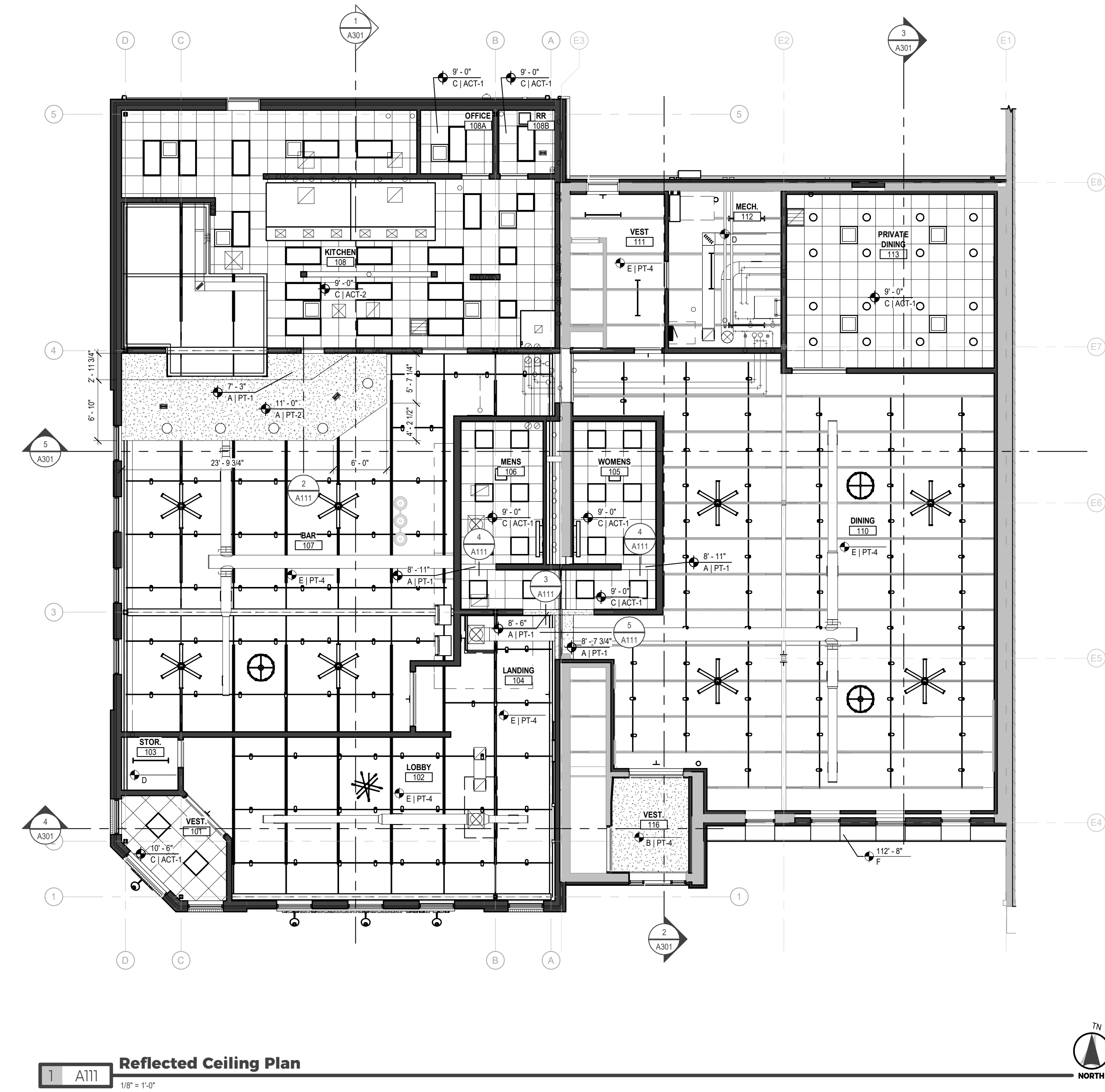
CEILING TAG: 1'-0" A | PT-#

INDICATES CEILING HEIGHT ABOVE FINISHED FLOOR.

FINISH, SEE FINISH SCHEDULE.

INDICATES CEILING MAKE-UP. REFER TO MAKE-UP NOTES BELOW FOR DESCRIPTION.

- A. 5/8" GYPSUM BOARD ON LIGHT GAUGE FRAMING.
- B. 5/8" GYPSUM BOARD ON 3/4" HAT CHANNEL.
- C. SUSPENDED ACOUSTICAL TILE CEILING SYSTEM. SEE FINISH SCHEDULE.
- D. NO CEILING IN THIS ROOM / AREA.
- E. NO CEILING IN THIS ROOM / AREA. EXPOSED CEILINGS PAINTED PT-4
- F. ALUMINUM COMPOSITE METAL PANEL.





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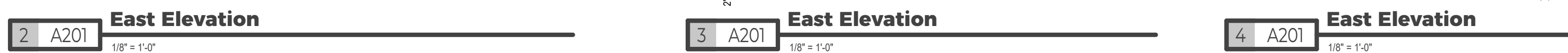
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1. REVIEW EXTERIOR WALL TYPES AND DETAILS FOR ALL EXTERIOR WALL COMPONENTS.
2. REVIEW SPECIFICATIONS FOR PRODUCT AND INSTALLATION REQUIREMENTS, AND FOR POTENTIAL ASSEMBLY MOCK-UPS.
3. SEE WINDOW TYPES AND OPENING DETAILS ON THE A600 DRAWINGS.

- ① BUILDING SIGNAGE. PROVIDE WALL BACKING AS REQUIRED. (BUILDING SIGNAGE TO BE REVIEWED AND APPROVED BY CITY UNDER SEPARATE PERMITTING REVIEW)
- ② PREFINISHED, 6" ALUMINUM GUTTER WITH 5" DOWNSPOUTS, DARK BRONZE.
- ③ BUILDING MOUNTED LIGHTING. SEE ELECTRICAL.
- ④ TWO-WAY FIRE DEPARTMENT CONNECTION. SEE MECHANICAL.
- ⑤ PREFINISHED ALUMINUM PARAPET CAP, DARK BRONZE
- ⑥ CONDENSER, SEE MECHANICAL
- ⑦ CT CAB, SEE ELECTRICAL

AL-1	ALUMINUM STOREFRONT; DARK BRONZE, SEE SPEC.
BV-1	BRICK VENEER 1. STANDARD BRICK, RUNNING BOND, COLOR: SCORIA, TEXTURE: VELOUR
BV-2	BRICK VENEER 2. STANDARD BRICK, SOLDIER COURSE, COLOR: SCORIA, TEXTURE: VELOUR
BV-3	BRICK VENEER 3. STANDARD BRICK, ROWLOCK COURSE, COLOR: SCORIA, TEXTURE: VELOUR
AP-1	ALUMINUM COMPOSITE METAL PANEL. SEE SPEC. BASIS OF DESIGN: LAMINATORS INC. OMEGA-LITE, ON OMEGA-CI, COLOR: REGAL, BLUE



SHEET

A201



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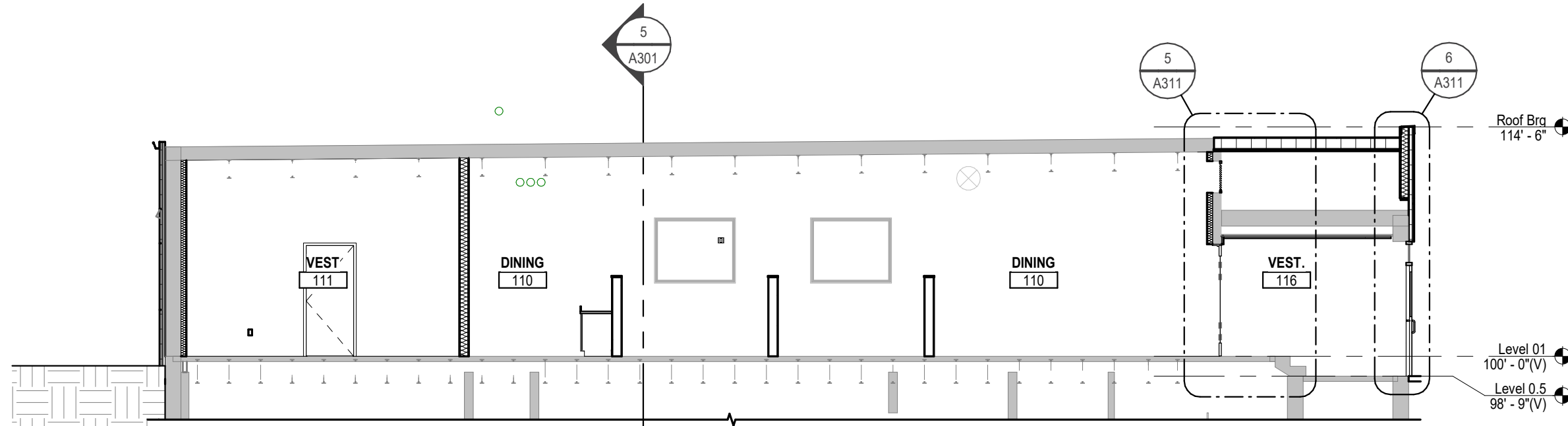
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JN: 23-018

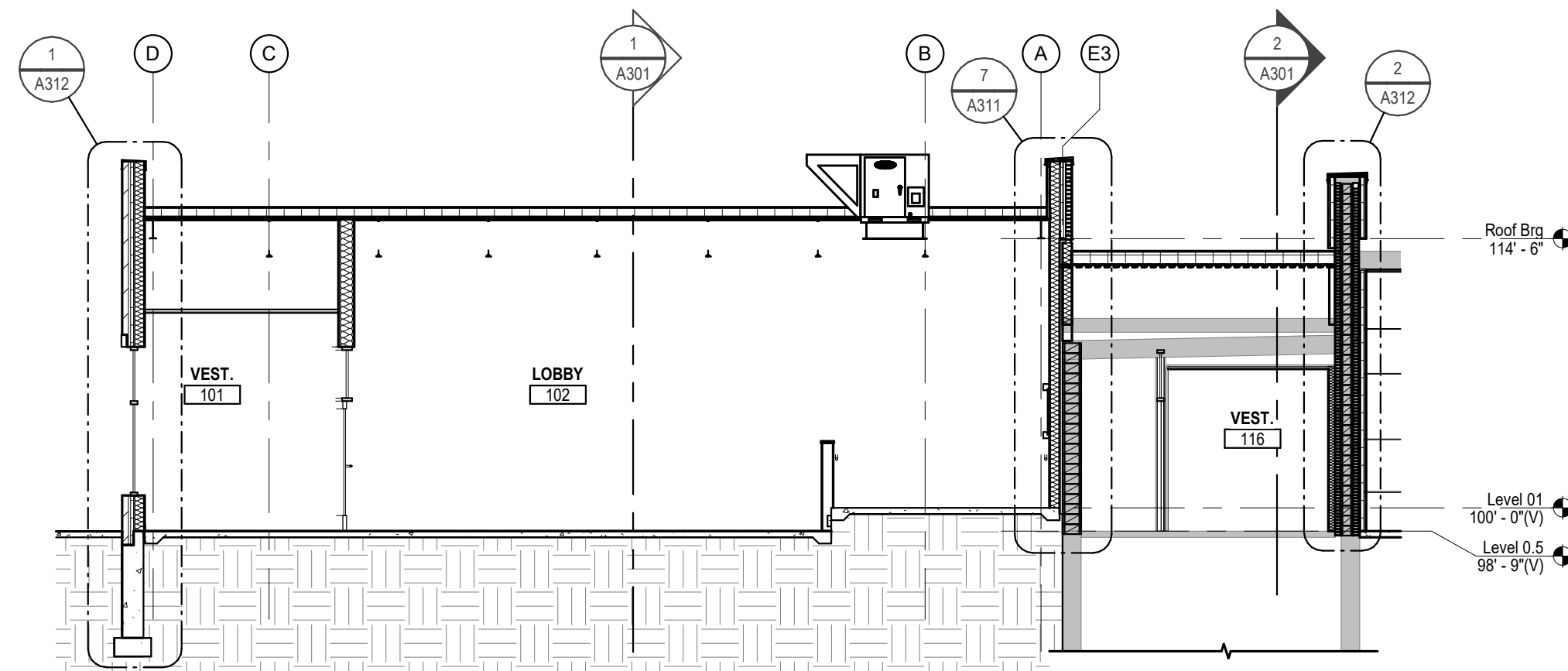
Building Sections

SHEET

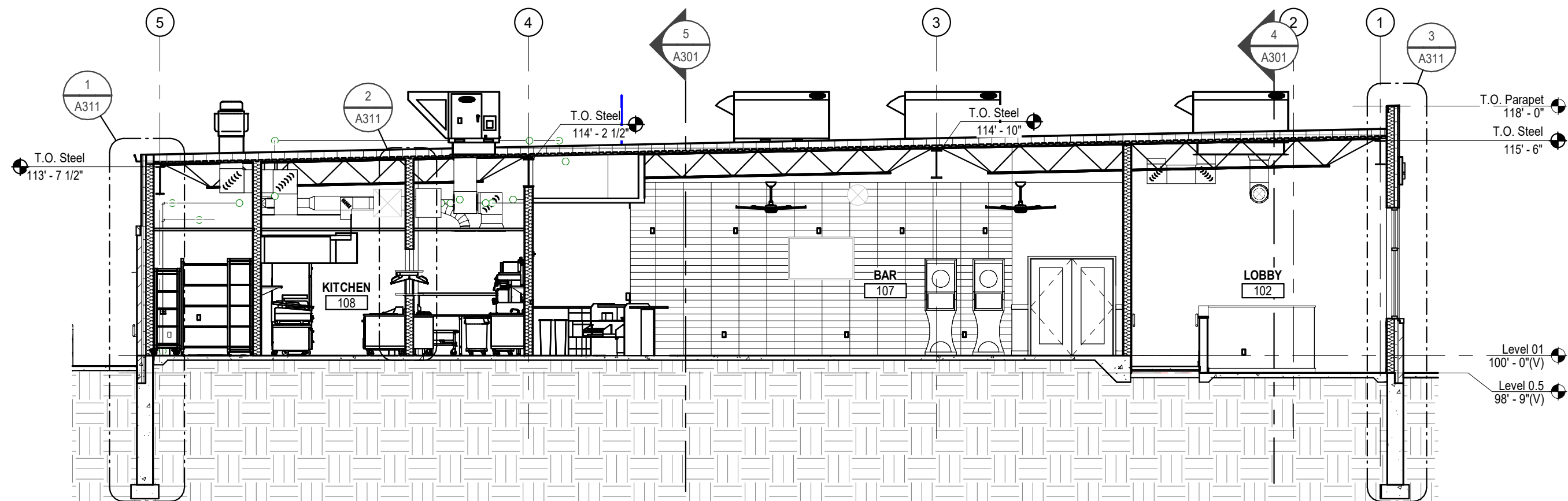
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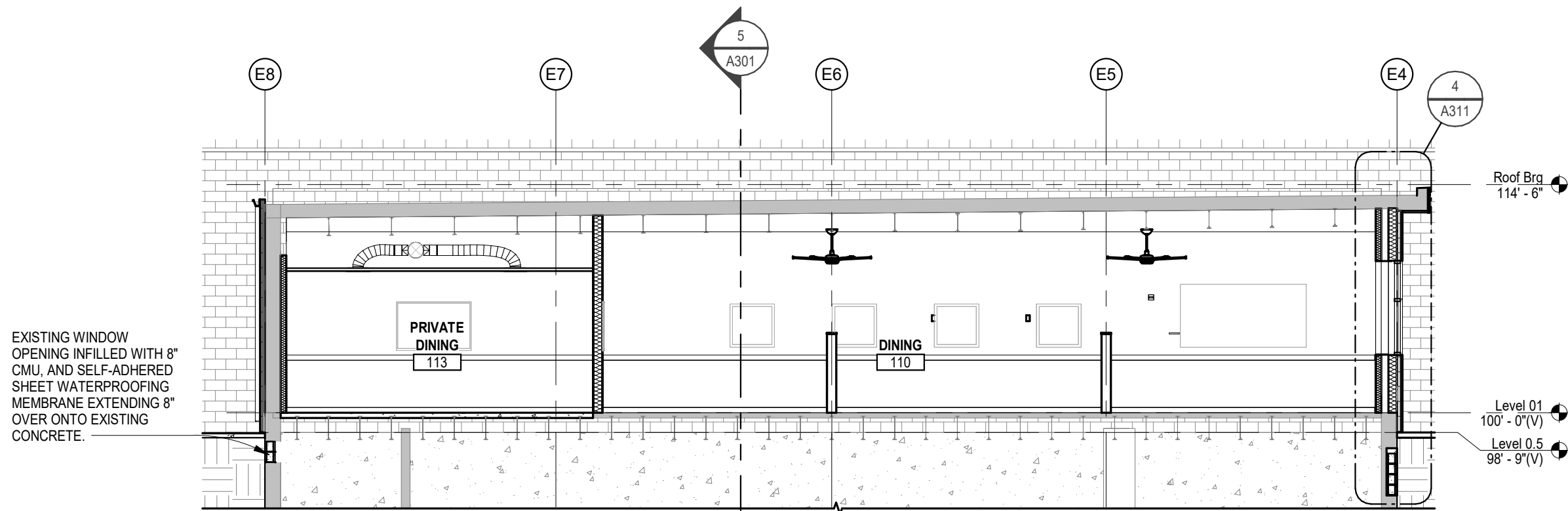
2 A301 Building Section
1/8" = 1'-0"



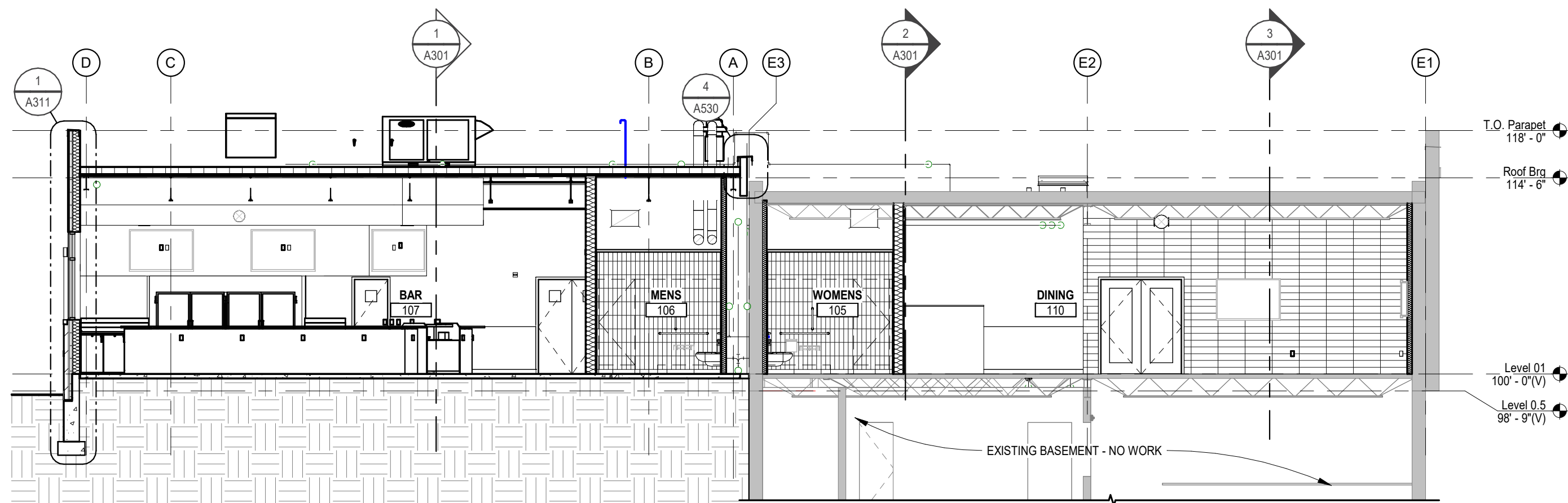
4 A301 Building Section
1/8" = 1'-0"



1 A301 Building Section
1/8" = 1'-0"



3 A301 N/S Exist. Building Section
1/8" = 1'-0"



5 A301 E/W Building Section
1/8" = 1'-0"



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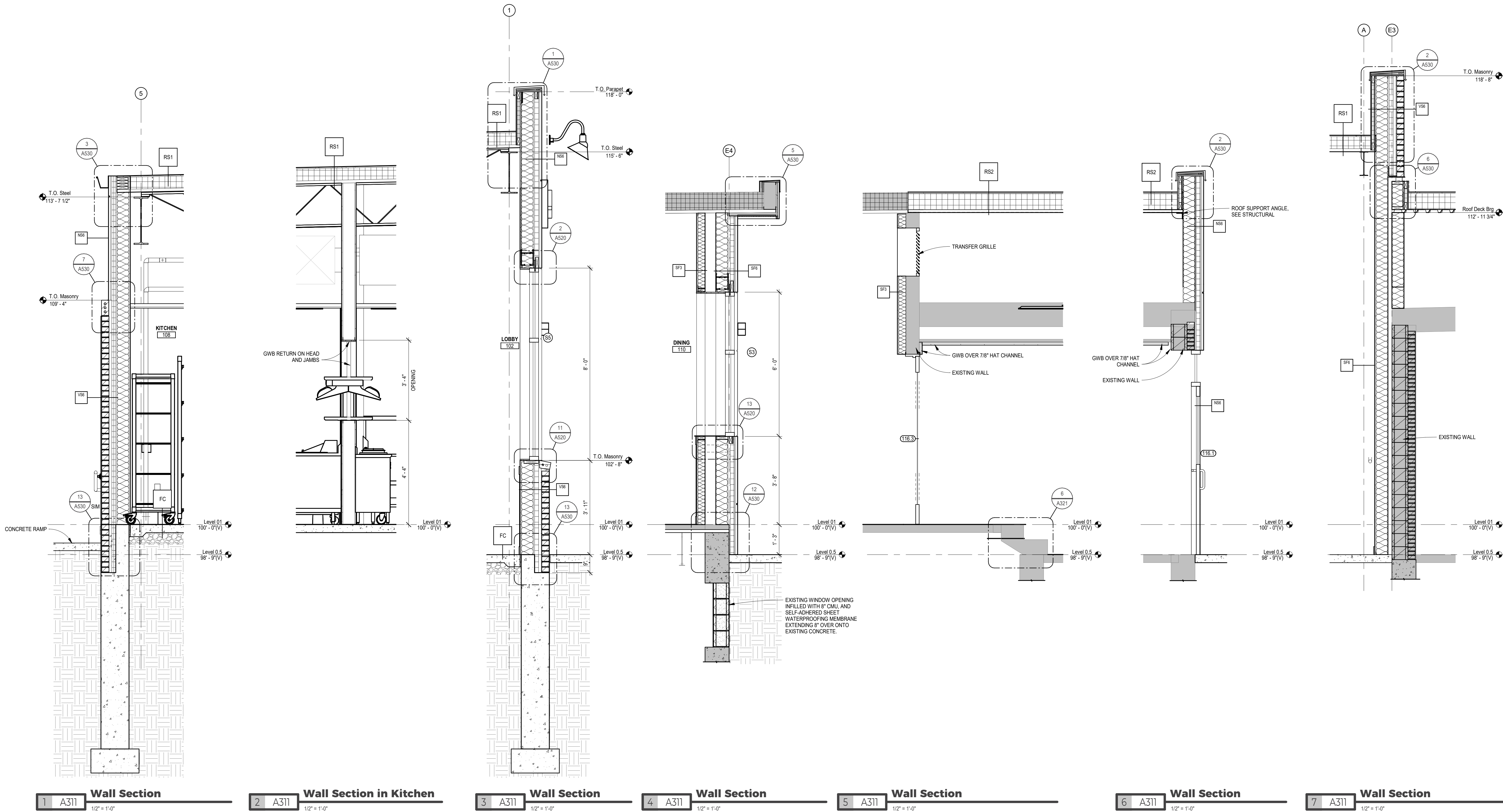
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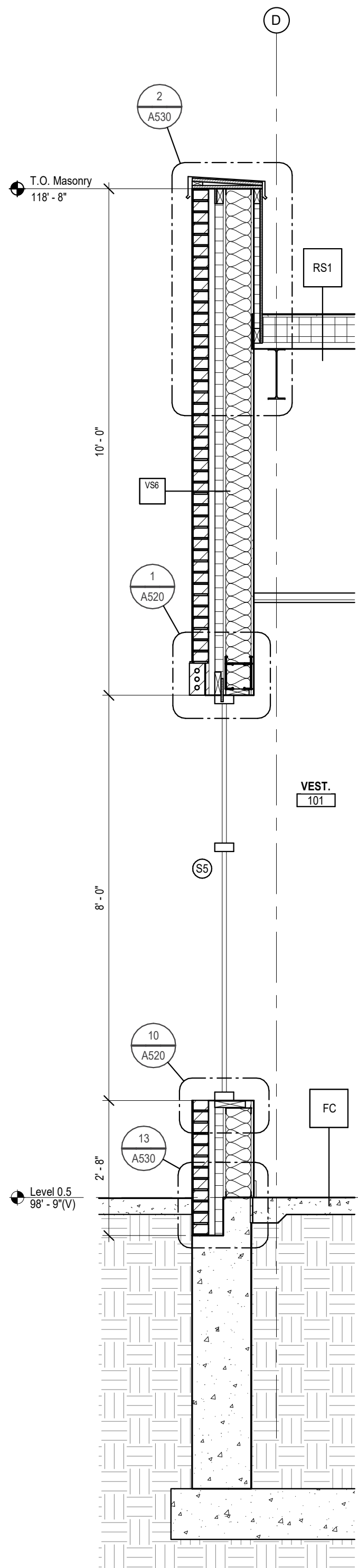
Wall Sections

SHEET

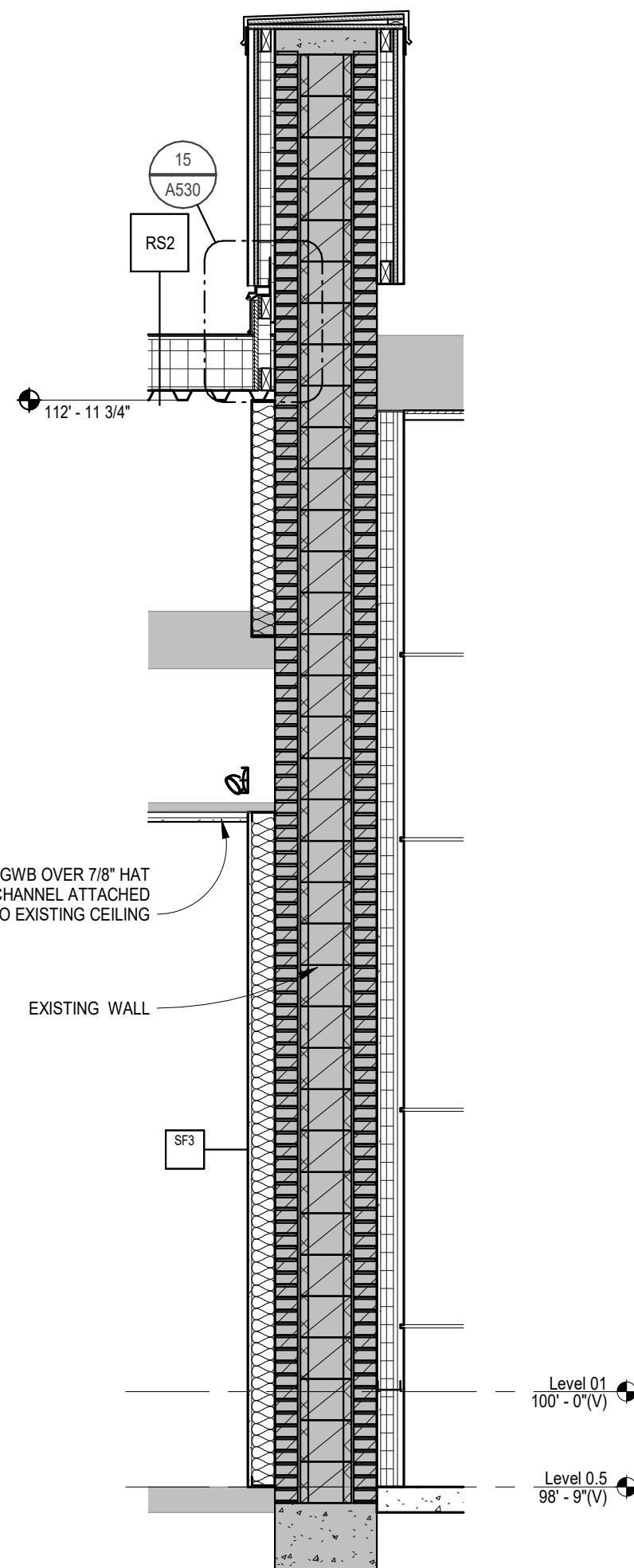
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1 A312 Wall Section
1/2" = 1'-0"



2 A312 Wall Section
1/2" = 1'-0"



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Wall Sections

SHEET

A312



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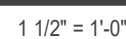
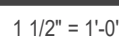
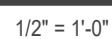
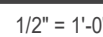
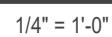
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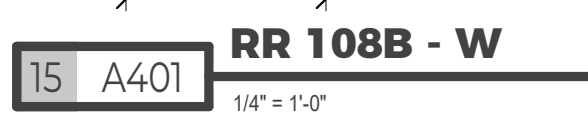
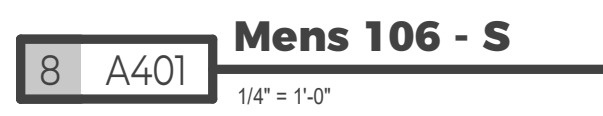
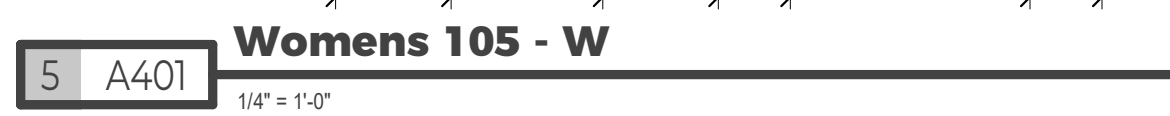
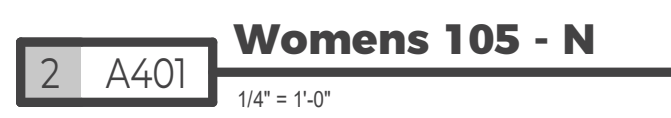
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1. ALL PERIMETER WALL MOUNTED HANDRAILS TO EXTEND 12" PAST TOP AND BOTTOM TREADS AND PROVIDE A RETURNED END TO ABUT WALL. TOP HANDRAIL EXTENSIONS TO BE LEVEL. BOTTOM HANDRAIL EXTENSIONS CONTINUE AT ANGLE.
2. ALL HANDRAILS AND GUARDRAIL TO BE CONTINUOUS. JOINTS ARE TO BE WELDED, FILLED, AND SMOOTHED, PRIOR TO PAINT.





1. REFER TO FINISH FLOOR PLAN FOR WALL, BASE AND FLOOR FINISHES
2. REFER TO REFLECTED CEILING PLAN FOR CEILING HEIGHT & FINISHES
3. REFER TO G004 FOR STANDARD MOUNTING HEIGHTS
4. HALFTONE FURNITURE, EQUIPMENT AND ACCESSORIES FOR REFERENCE ONLY – BY OWNER
5. ALL TVS AND WALL BRACKETS BY OWNER; PROVIDE POWER, DATA AND BLOCKING AS REQUIRED
6. CP-1 TO BE USED ON ALL CABINETS UNO
7. FINISHED CABINET END IDENTIFIED BY : ◀

KEYNOTES - INTERIOR ELEVATIONS

- ① MTLP-1 AT TOP OF WALL, TILE AND OUTSIDE CORNERS
- ② MTLP-2 AT BASE OF WALL, COVE TRANSITION TO FLOOR TILE
- ③ STANDARD FRP TRIM BASE OF FRP AND MTLP-1 AT TOP OF WALL TILE BASE; SEE DETAIL FOR LOCKABLE CABINET DOORS AND/OR DRAWERS
- ④ MTLP-6 AT BASE OF WALL, TILE COVE TRANSITION TO CONC. FLOOR
- ⑤ SSF3 COUNTER W/ 5" H APRON; INSTALL CONCEALED WALL BRACKETS AS REQUIRED
- ⑥ INSTALL CONCEALED WALL BRACKETS AS REQUIRED
- ⑦ OWNERS MEMORABILA, PROVIDE BLOCKING
- ⑧ TV, FURNISHED AND INSTALLED BY OWNER., BACKING BY GENERAL CONTRACTOR



American Legion

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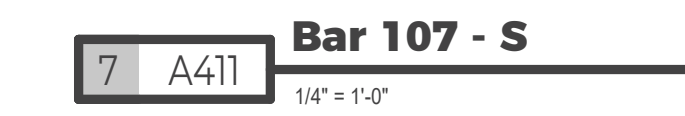
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JN: 23-018

Enlarged Plans & Interior Elevations

SHEET

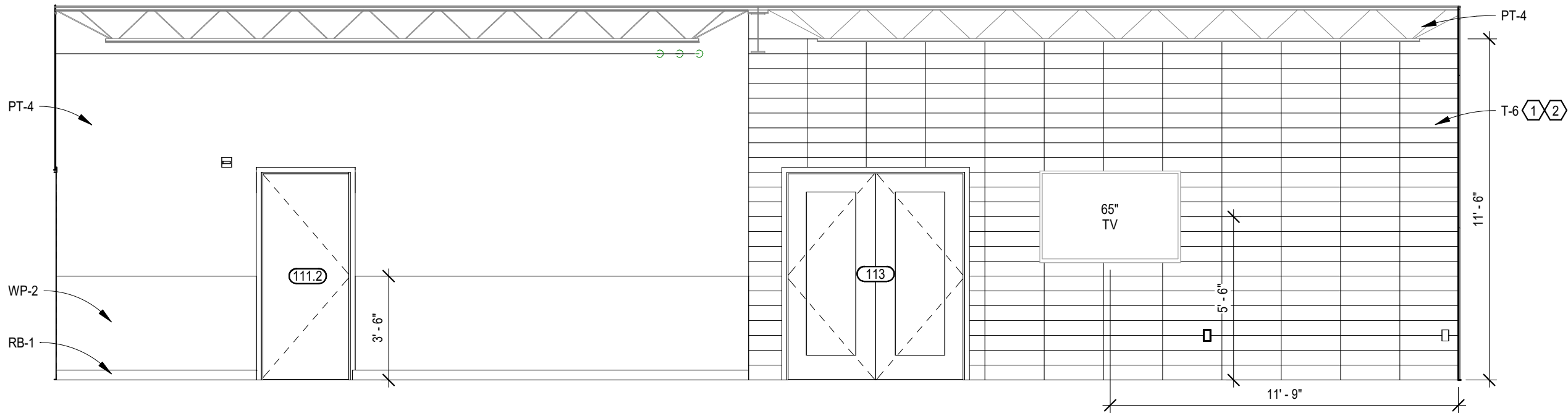
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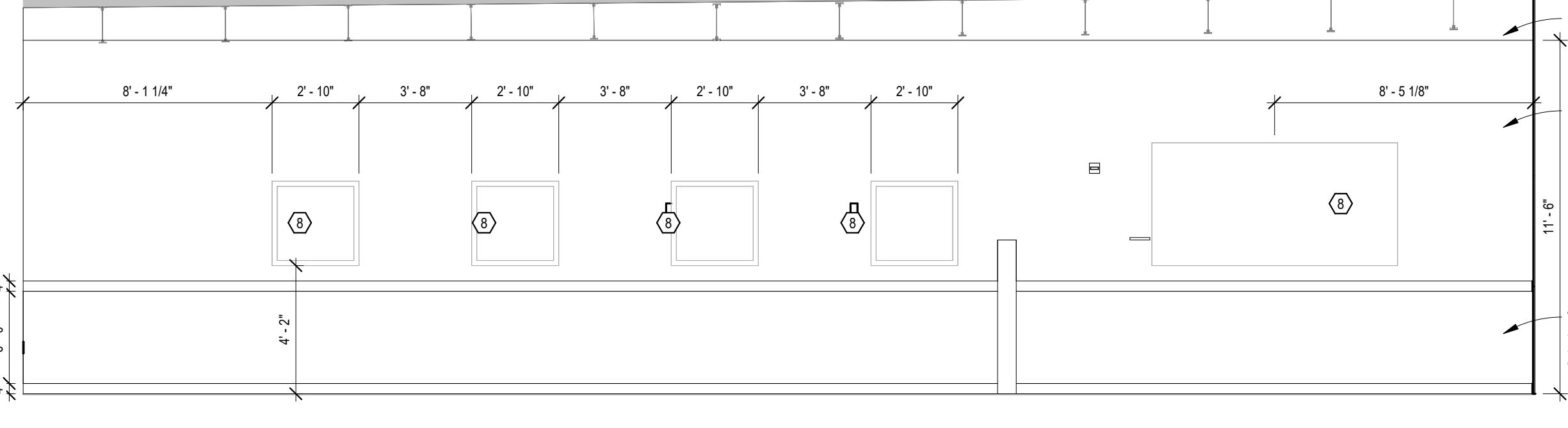
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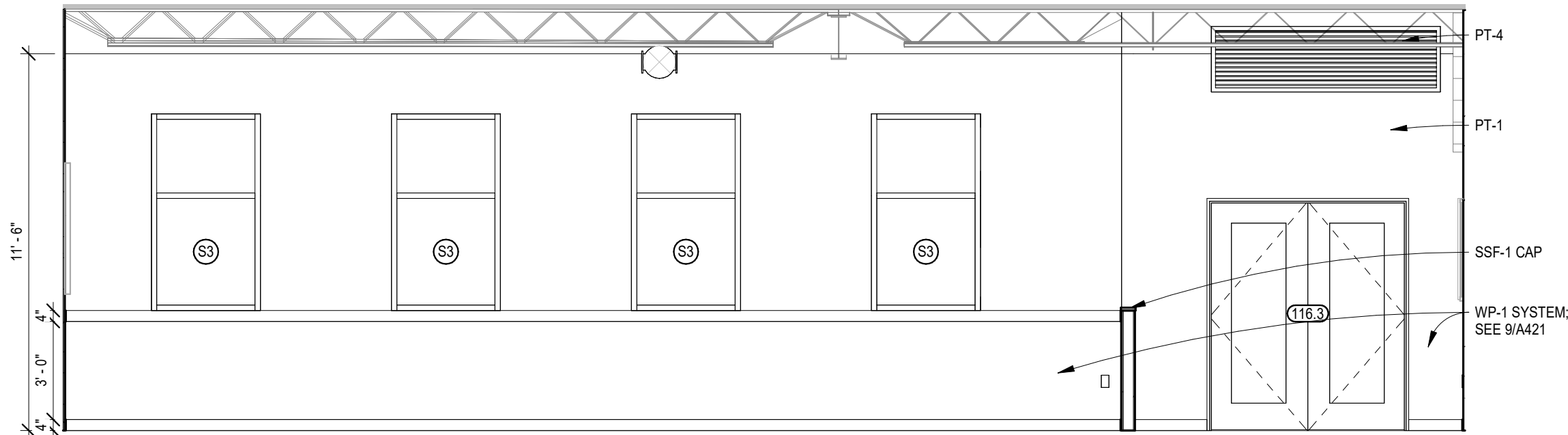
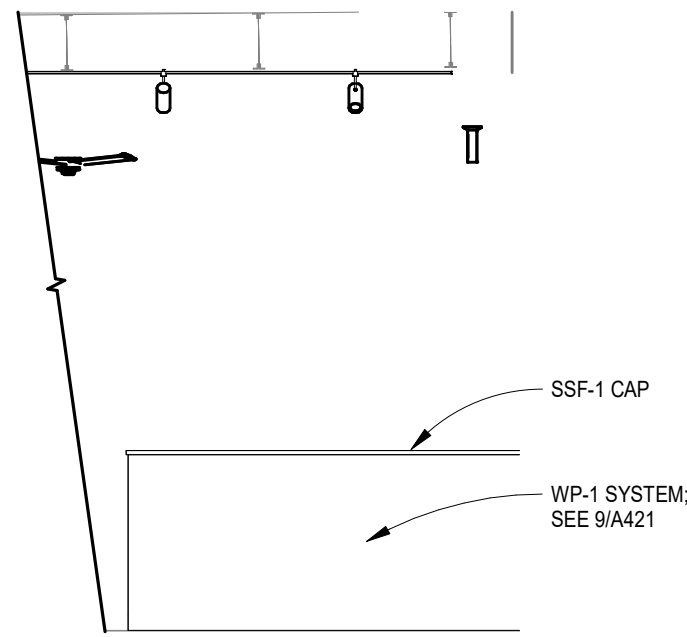
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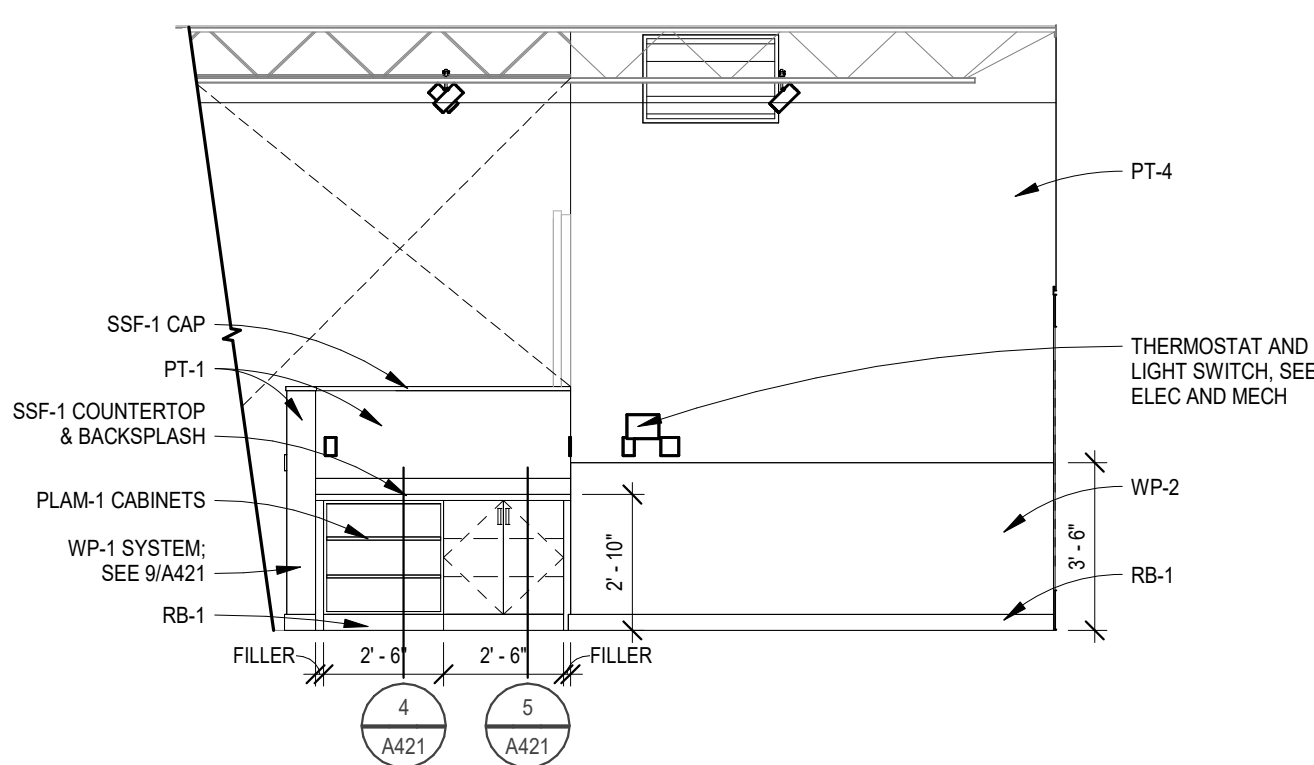
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1/4" = 1'-0"



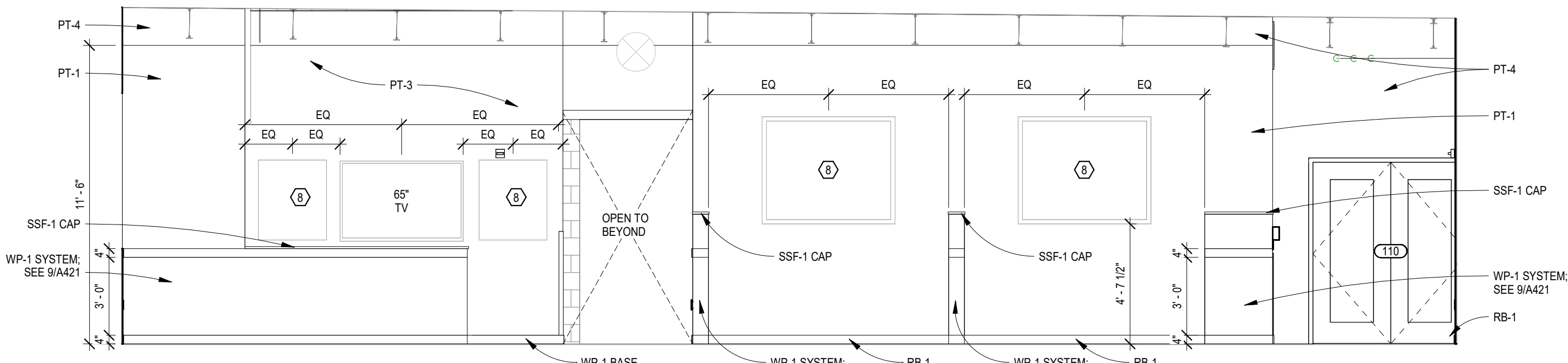
2 A412 Dining 110 - E
1/4" = 1'-0"



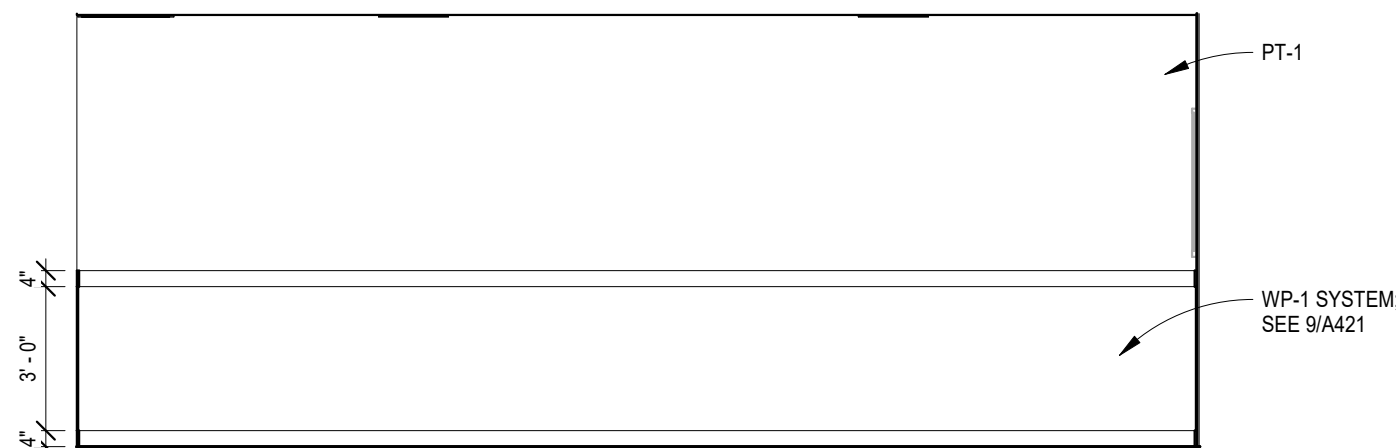
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1/4" = 1'-0"



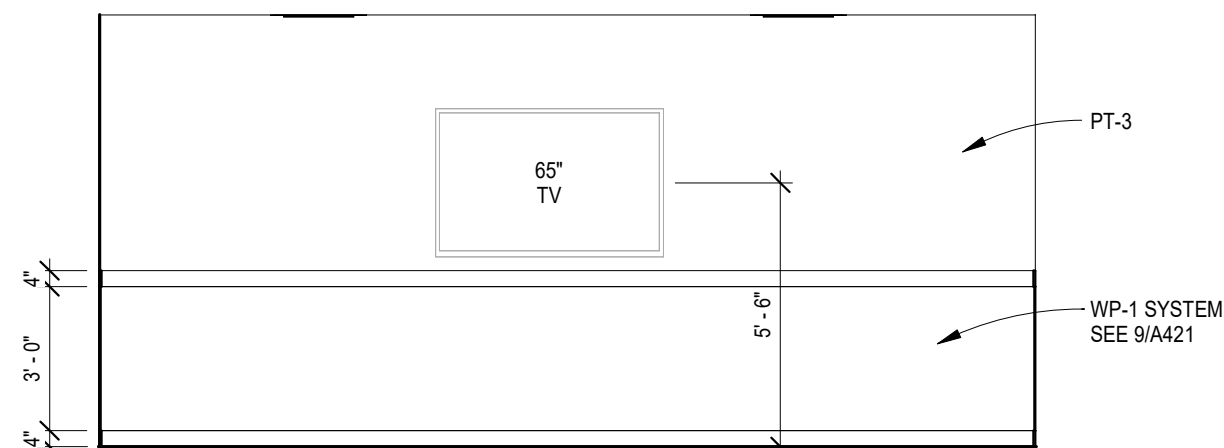
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1/4" = 1'-0"



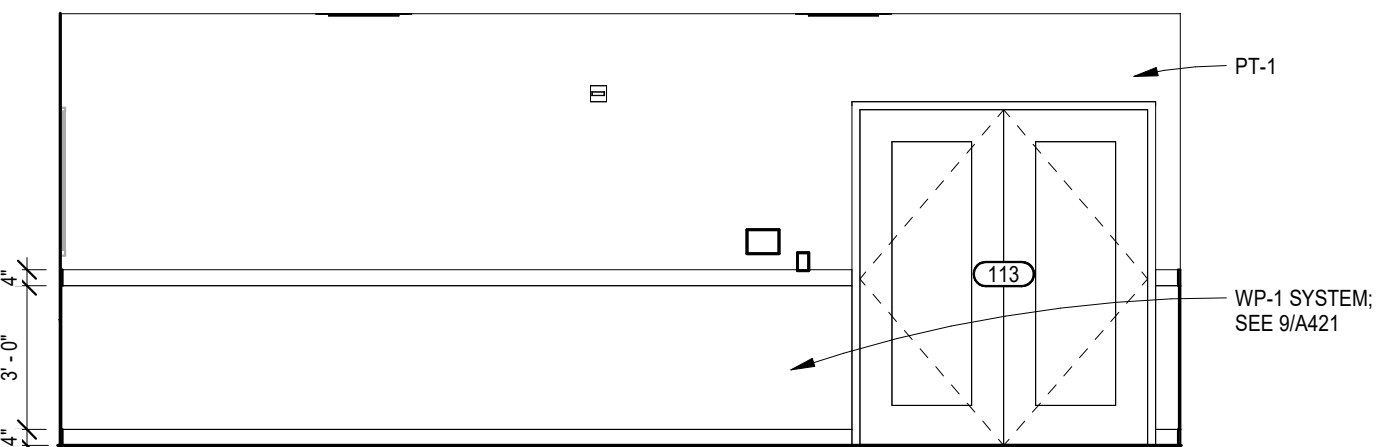
6 A412 Dining 110 - W
1/4" = 1'-0"



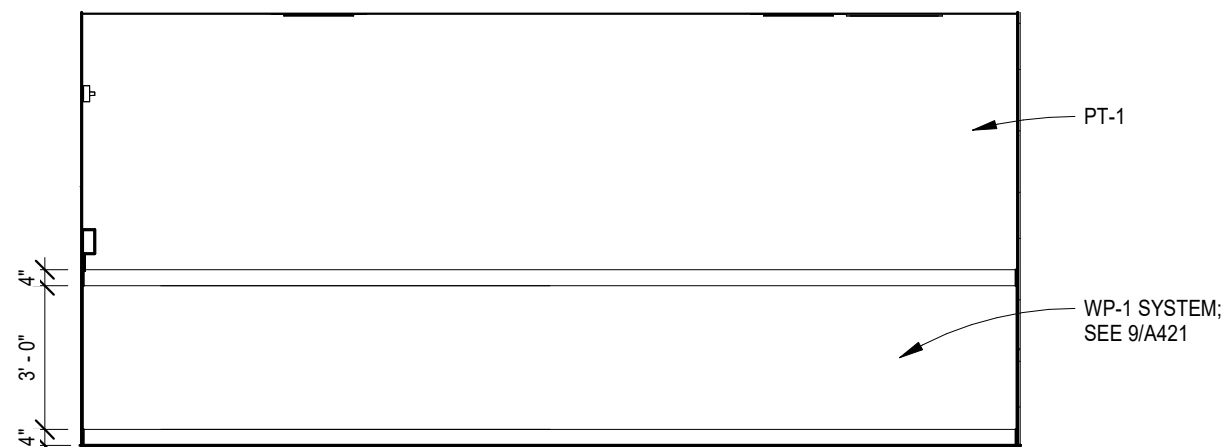
7 A412 Private Dining 113 - N
1/4" = 1'-0"



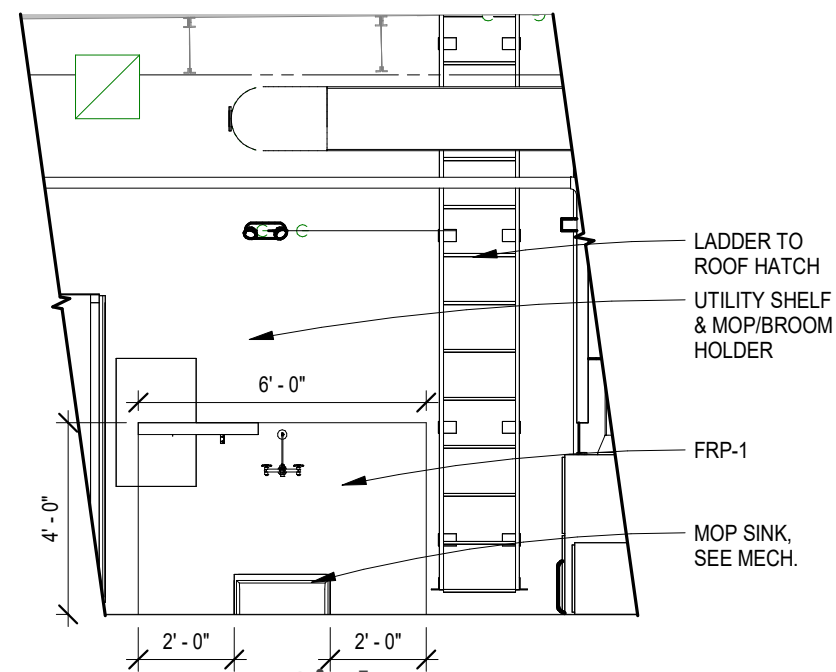
8 A412 Private Dining 113 - E
1/4" = 1'-0"



9 A412 Private Dining 113 - S
1/4" = 1'-0"



10 A412 Private Dining 113 - W
1/4" = 1'-0"



11 A412 Mop Sink
1/4" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

- REFER TO FINISH FLOOR PLAN FOR WALL, BASE AND FLOOR FINISHES
- REFER TO REFLECTED CEILING PLAN FOR CEILING HEIGHT & FINISHES
- REFER TO G004 FOR STANDARD MOUNTING HEIGHTS
- HALFTONE FURNITURE, EQUIPMENT AND ACCESSORIES FOR REFERENCE ONLY - BY OWNER
- ALL TVs AND WALL BRACKETS BY OWNER; PROVIDE POWER, DATA AND BLOCKING AS REQUIRED
- CP-1 TO BE USED ON ALL CABINETS UNO
- FINISHED CABINET END IDENTIFIED BY: ◀

KEYNOTES - INTERIOR ELEVATIONS

- MTLP-1 AT TOP OF WALL TILE AND OUTSIDE CORNERS
- MTLP-2 AT BASE OF WALL TILE, COVE TRANSITION TO FLOOR TILE
- STANDARD FRP TRIM BASE OF FRP AND MTLP-1 AT TOP OF WALL TILE BASE: SEE DETAIL 2/A610
- LOCKABLE CABINET DOORS AND/OR DRAWERS
- MTLP-6 AT BASE OF WALL TILE, COVE TRANSITION TO CONC. FLOOR
- SSF-2 COUNTER W/ 5" H APRON; INSTALL CONCEALED WALL BRACKETS AS REQUIRED
- INSTALL CONCEALED WALL BRACKETS AS REQUIRED
- OWNERS MEMORABILIA, PROVIDE BLOCKING
- TV, FURNISHED AND INSTALLED BY OWNER, BACKING BY GENERAL CONTRACTOR



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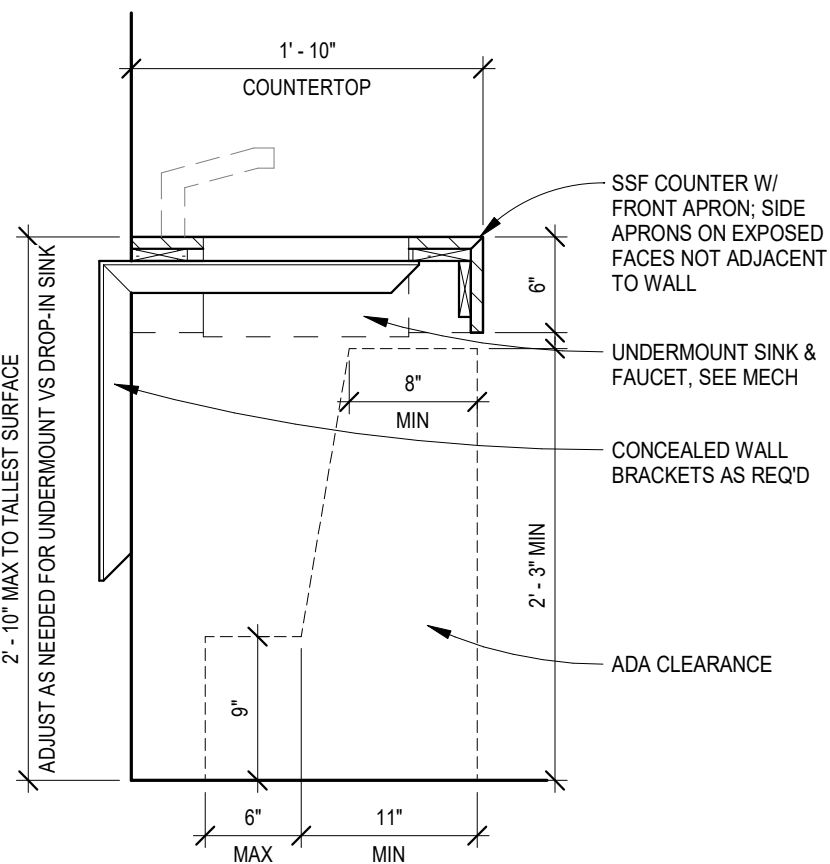
Interior Elevations

SHEET

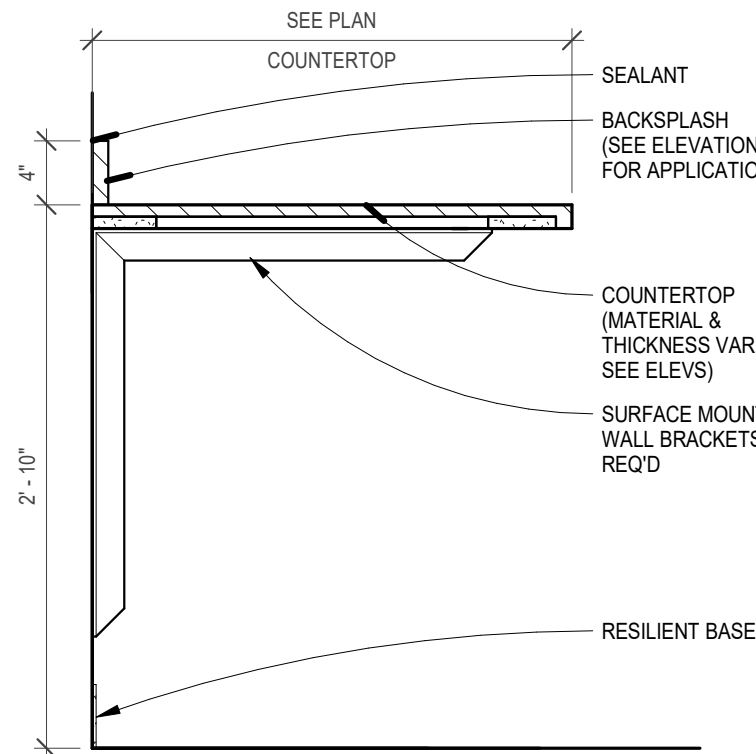
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Autodesk Docs: 022-018 American Legion - New Town, ND 23-018 American Legion - New Town, ND.rvt

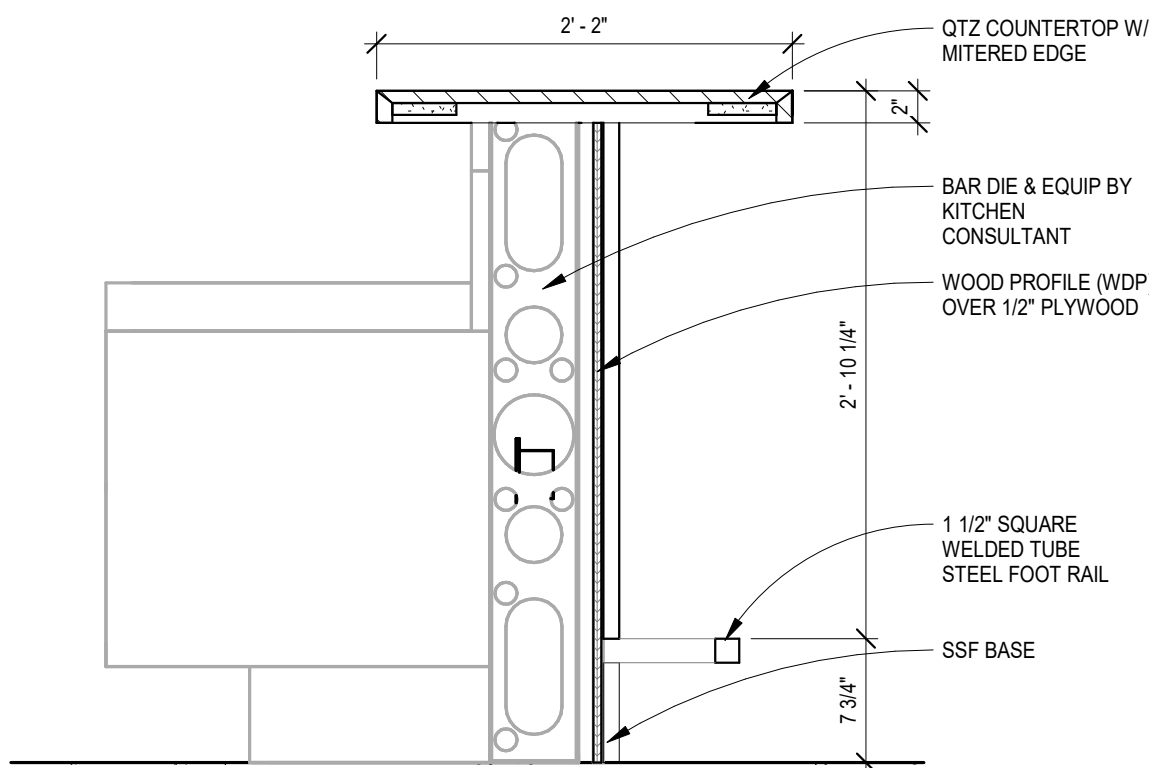
8/12/2025 4:46:09 PM



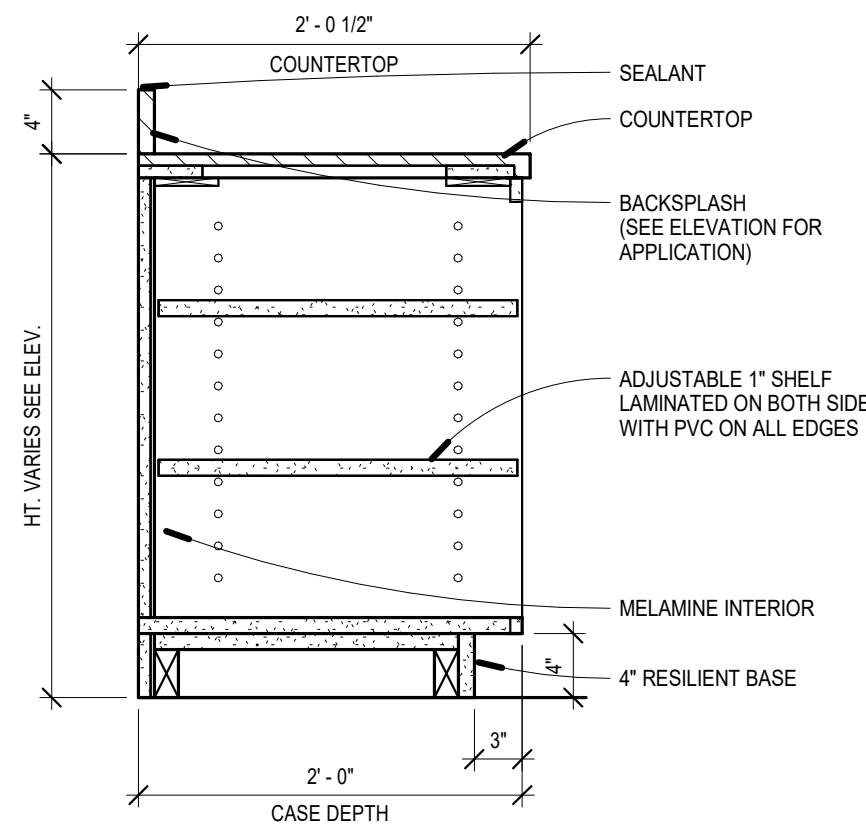
1 A421 Casework Section
1" = 1'-0"



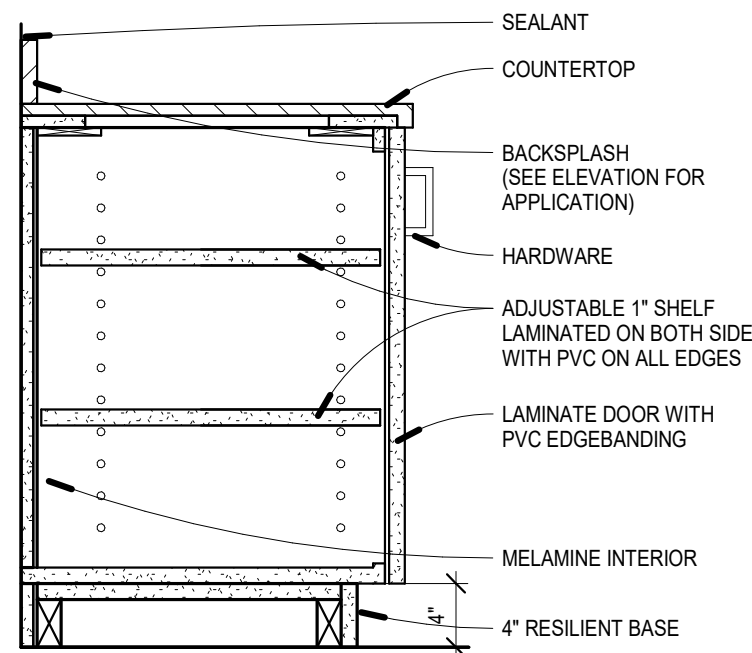
2 A421 Casework Section
1" = 1'-0"



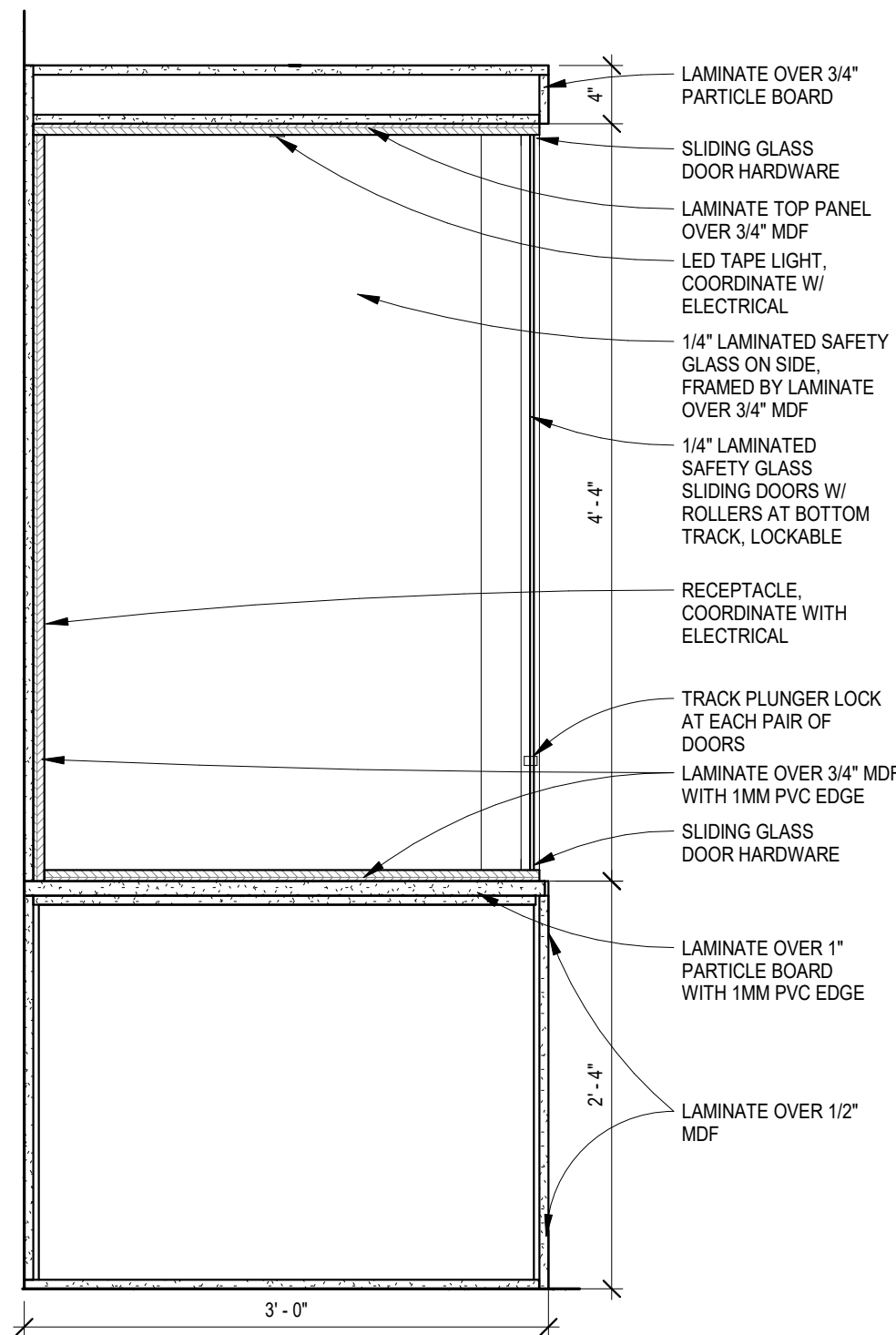
3 A421 Bar Section
1" = 1'-0"



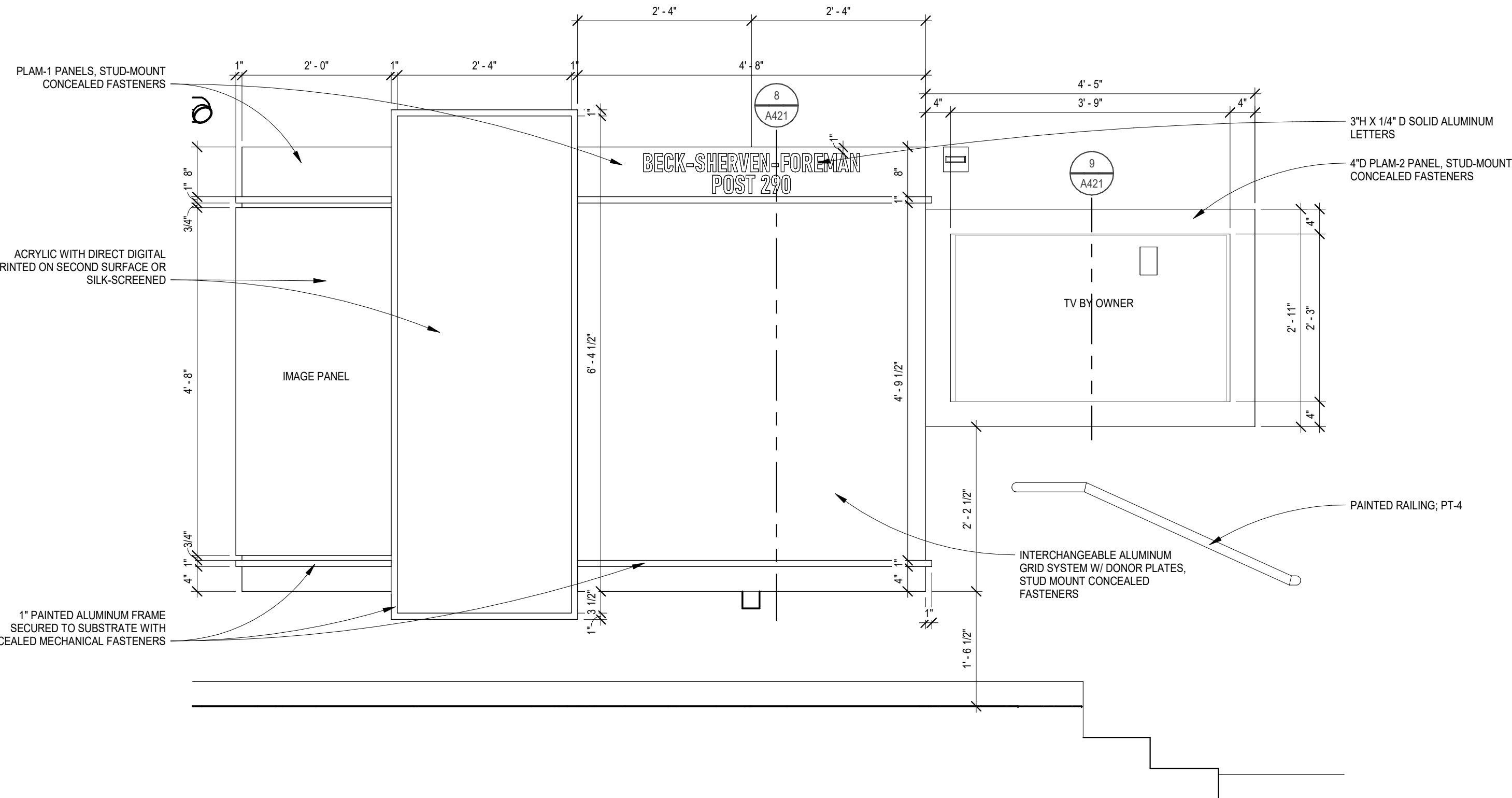
4 A421 Casework Section
1" = 1'-0"



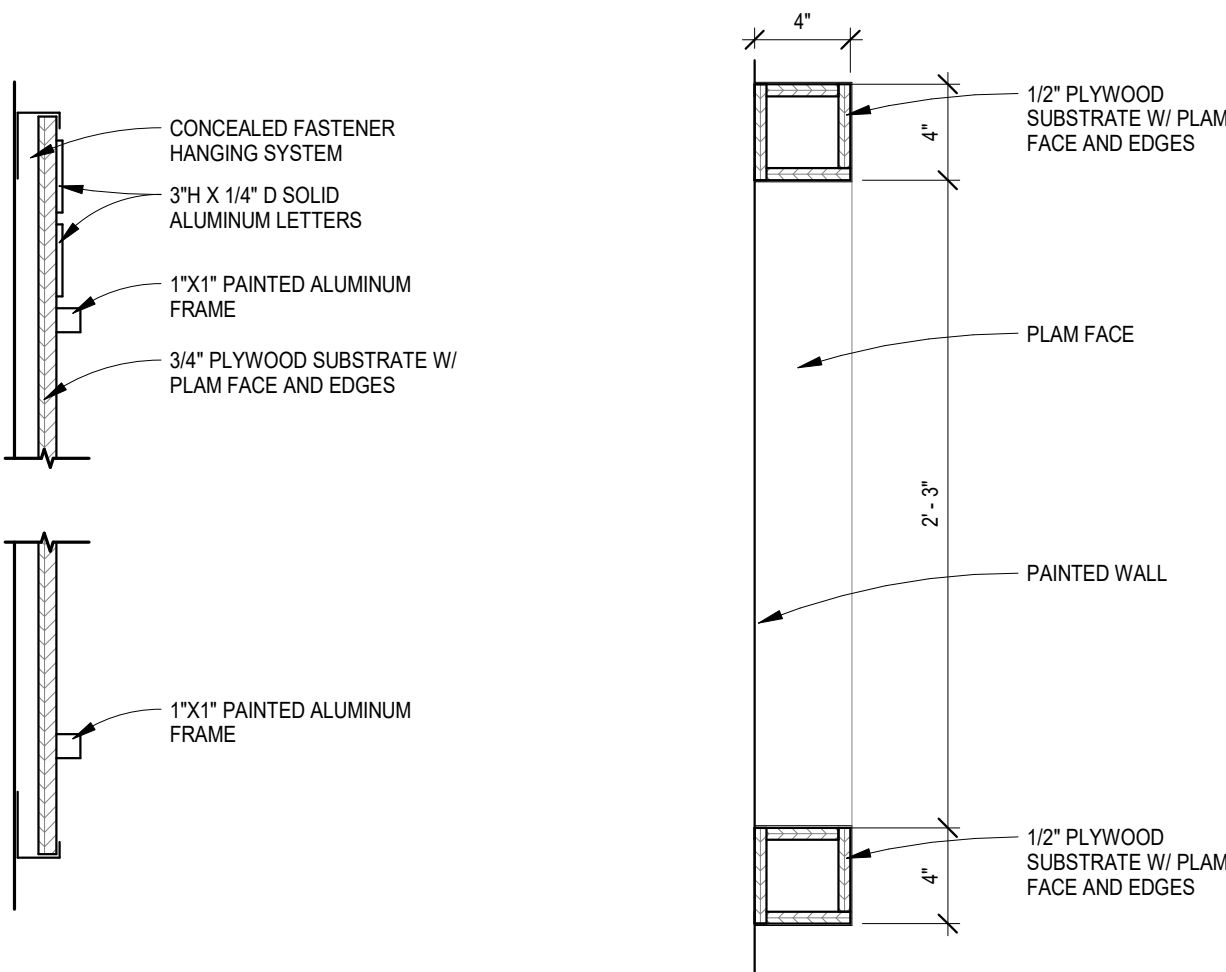
5 A421 Casework Section
1" = 1'-0"



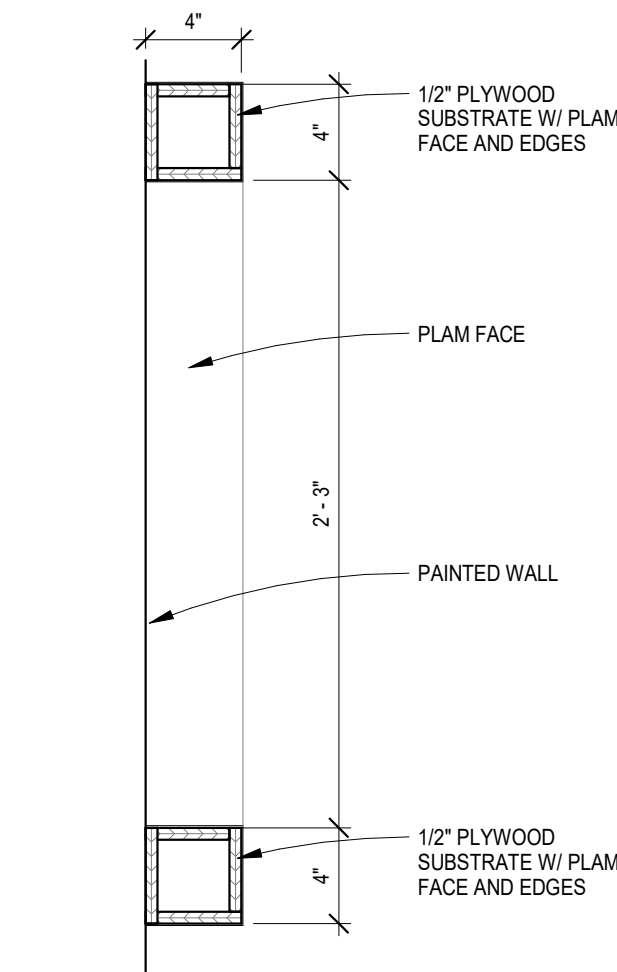
6 A421 Display Case Detail
1" = 1'-0"



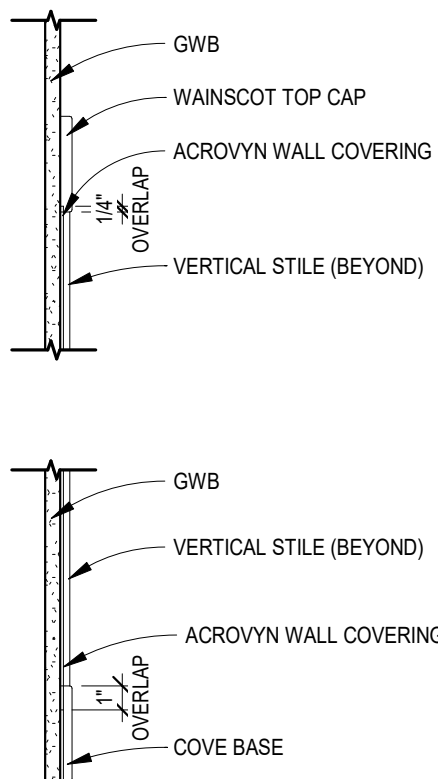
7 A421 Memorial Wall Signage
3/4" = 1'-0"



8 A421 Signage Detail 1
1 1/2" = 1'-0"



9 A421 Signage Detail 2
1 1/2" = 1'-0"



10 A421 Wainscot (WP-1) Detail
1 1/2" = 1'-0"

NOTE: ONLY WAINSCOT TOP CAP IS NOTCHED



American Legion
352 Main St.
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STRUCTURAL

ICON ARCHITECTURAL GROUP
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MECHANICAL

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MINOT, ND 58701
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ELECTRICAL

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CIVIL

MOORE ENGINEERING
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FOODSERVICE

FOODSERVICE CONCEPT DESIGN
7900 INTERNATIONAL DRIVE
SUITE 300 -7043
BLOOMINGTON, MN 55425
(612) 325.1494 OFFICE



DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

DRAWN BY: JLU/AN/BC

JN: 23-018

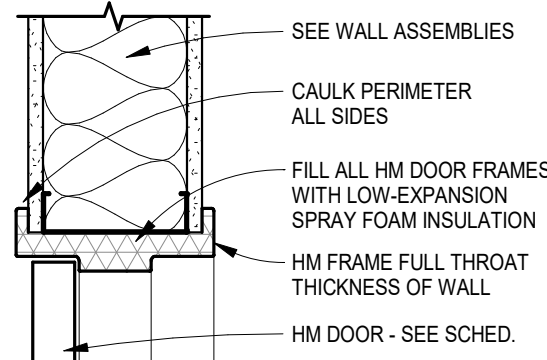
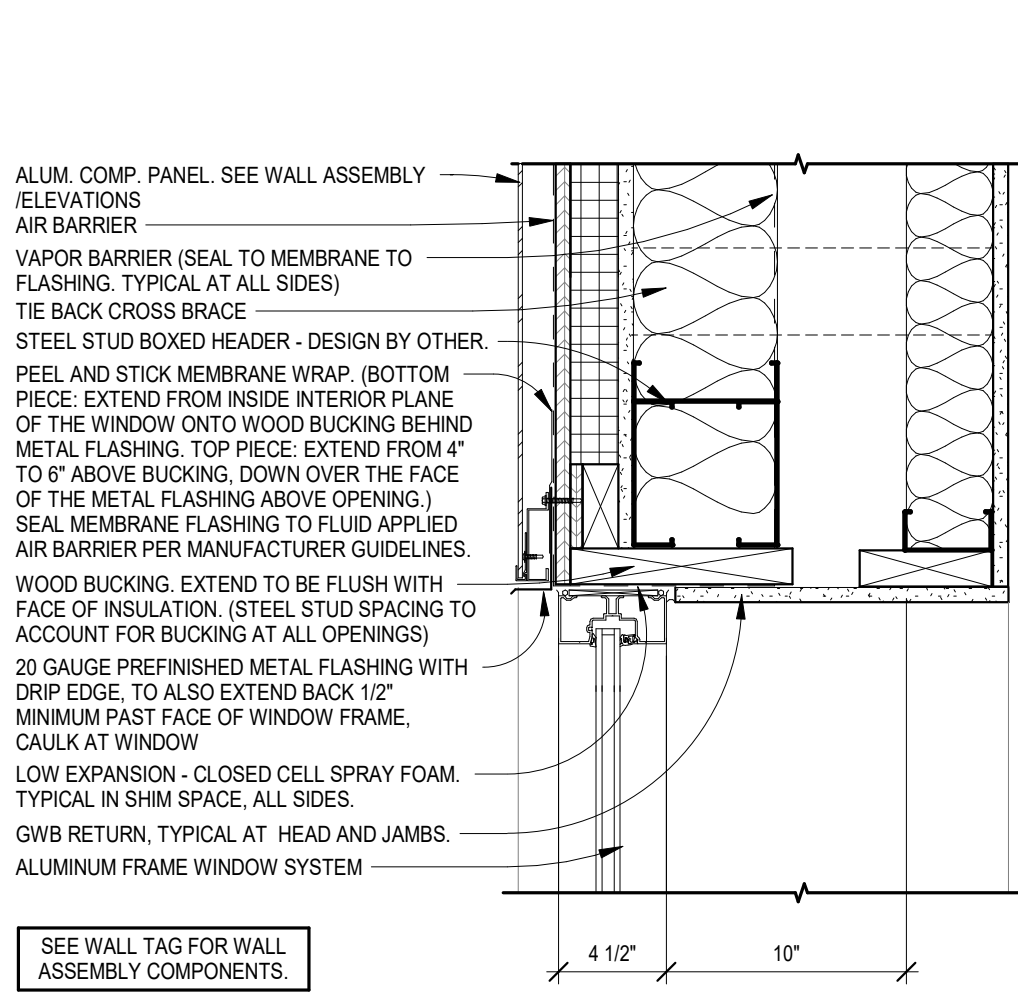
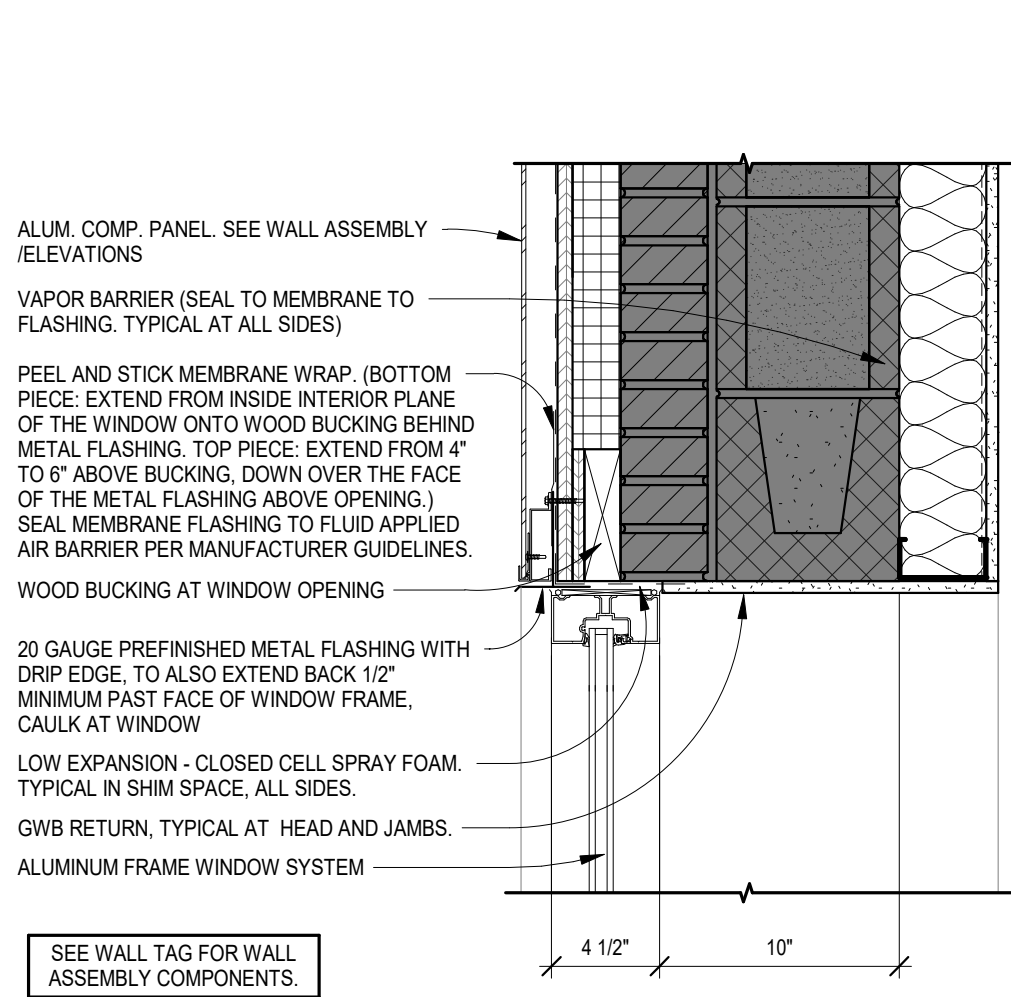
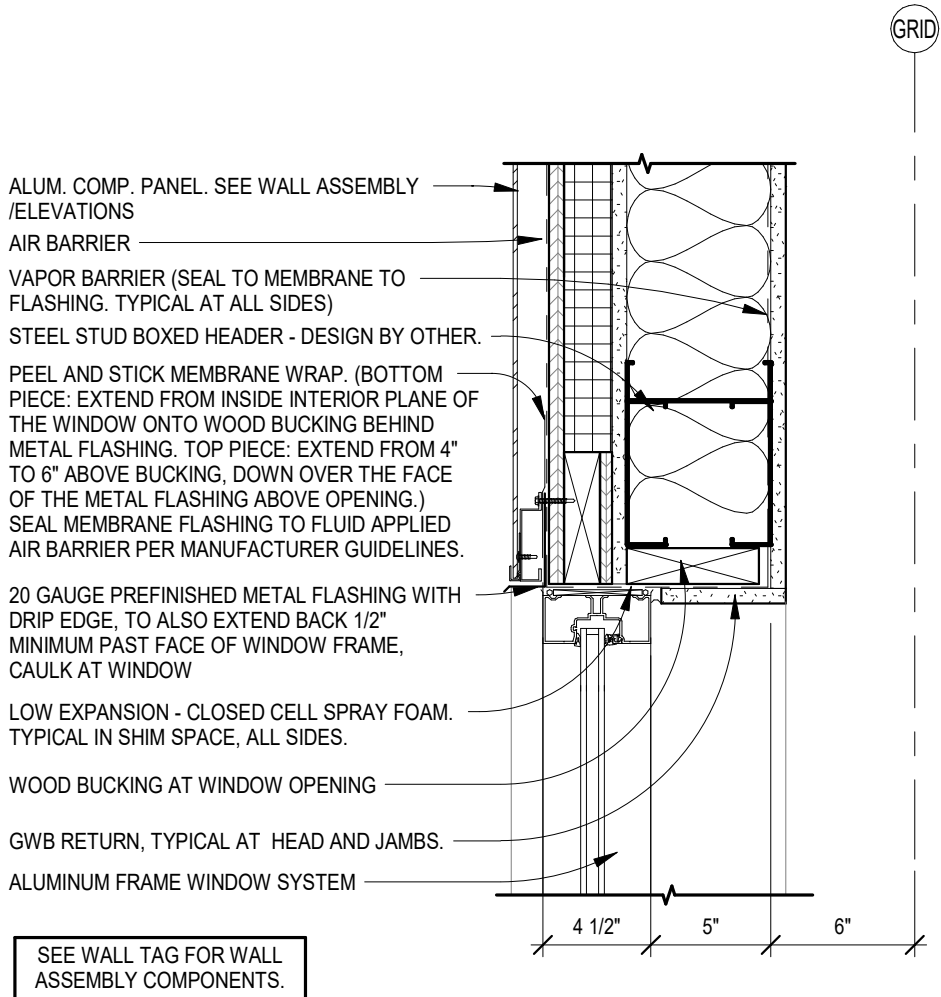
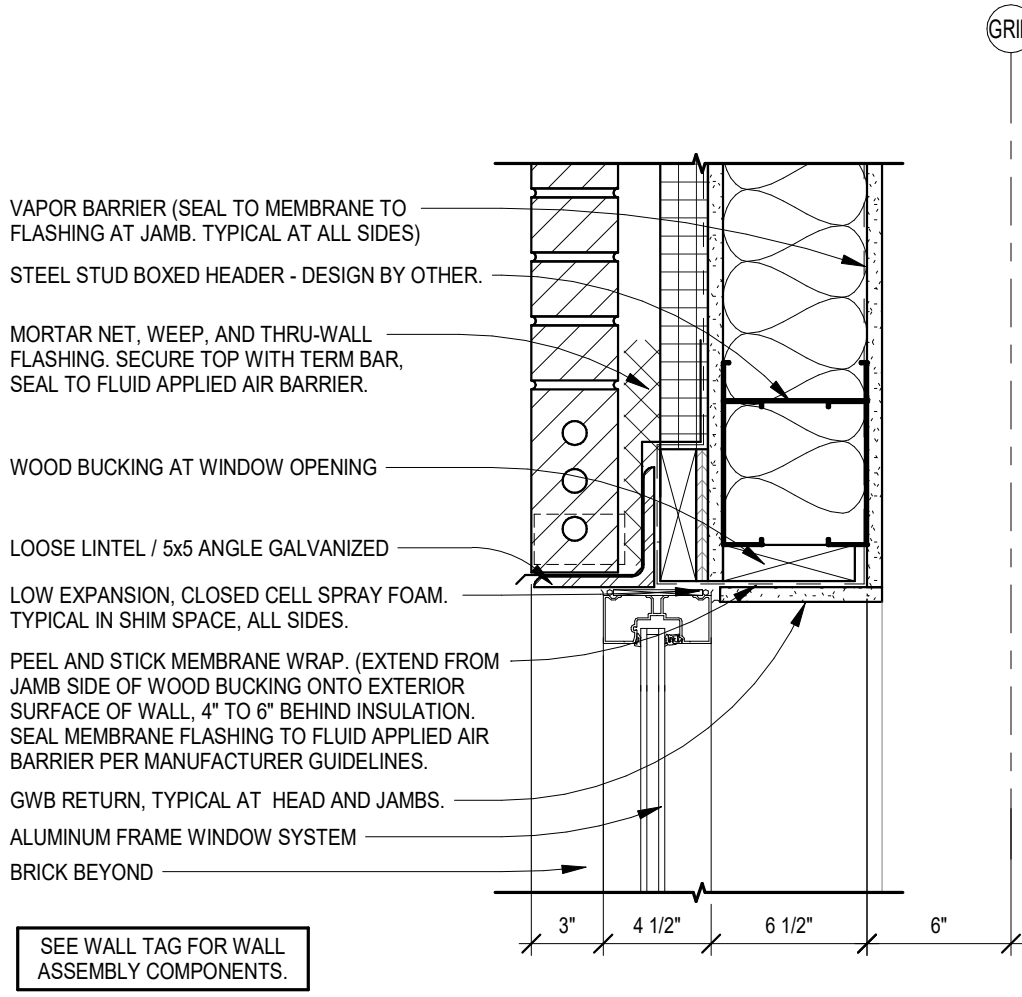
Interior Details / Casework Sections

SHEET

A421

Autodesk Docs: 022-018 American Legion - New Town, ND 23-018 American Legion - New Town, ND.rvt

8/12/2023 4:46:10 PM



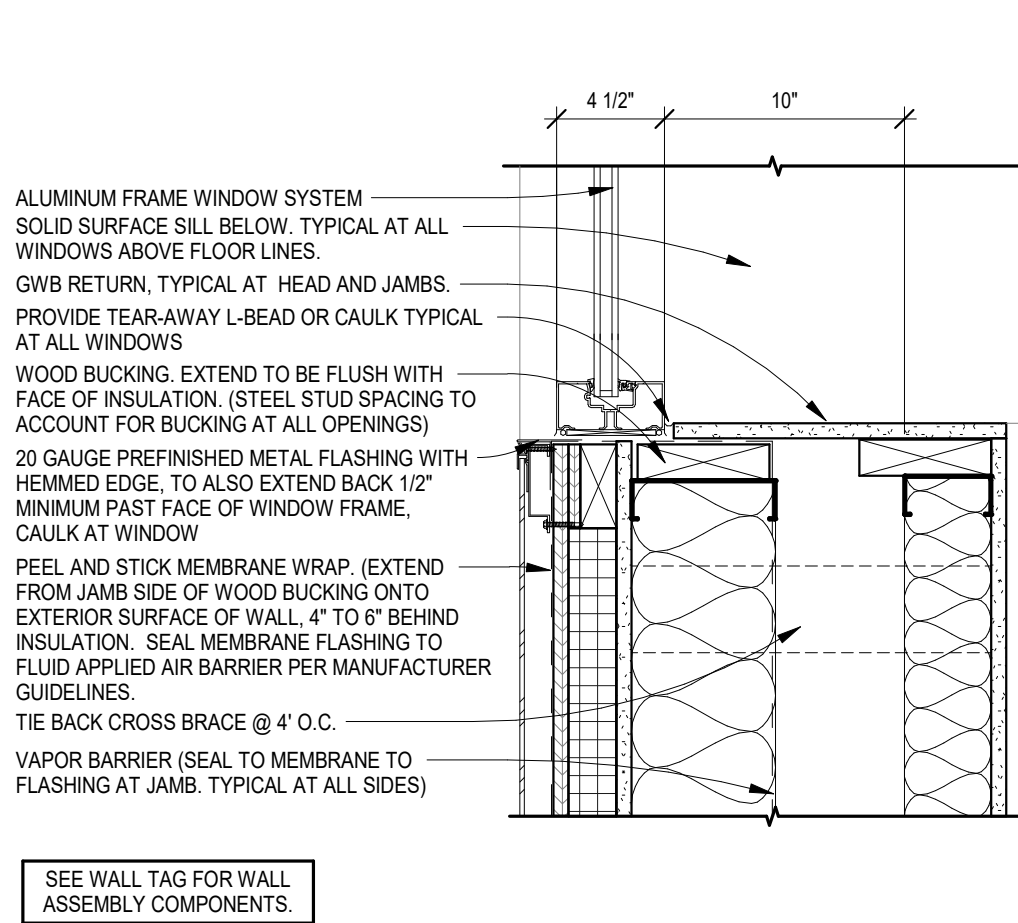
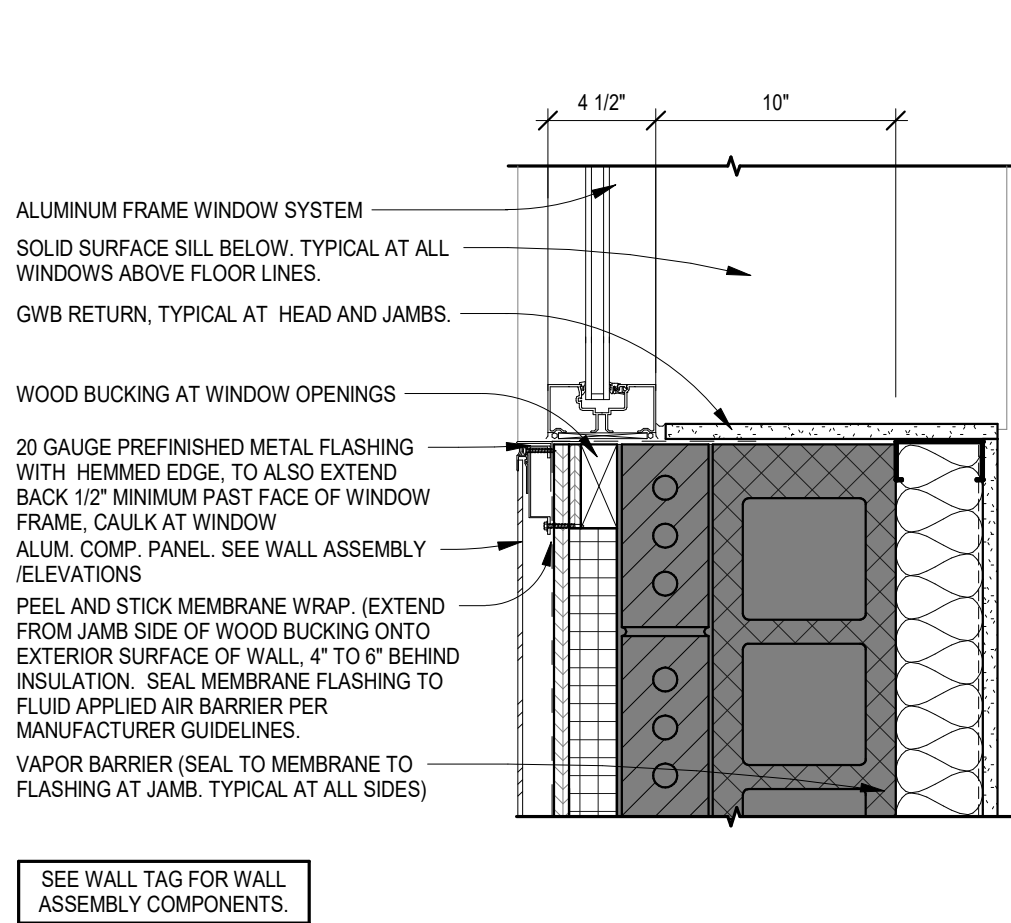
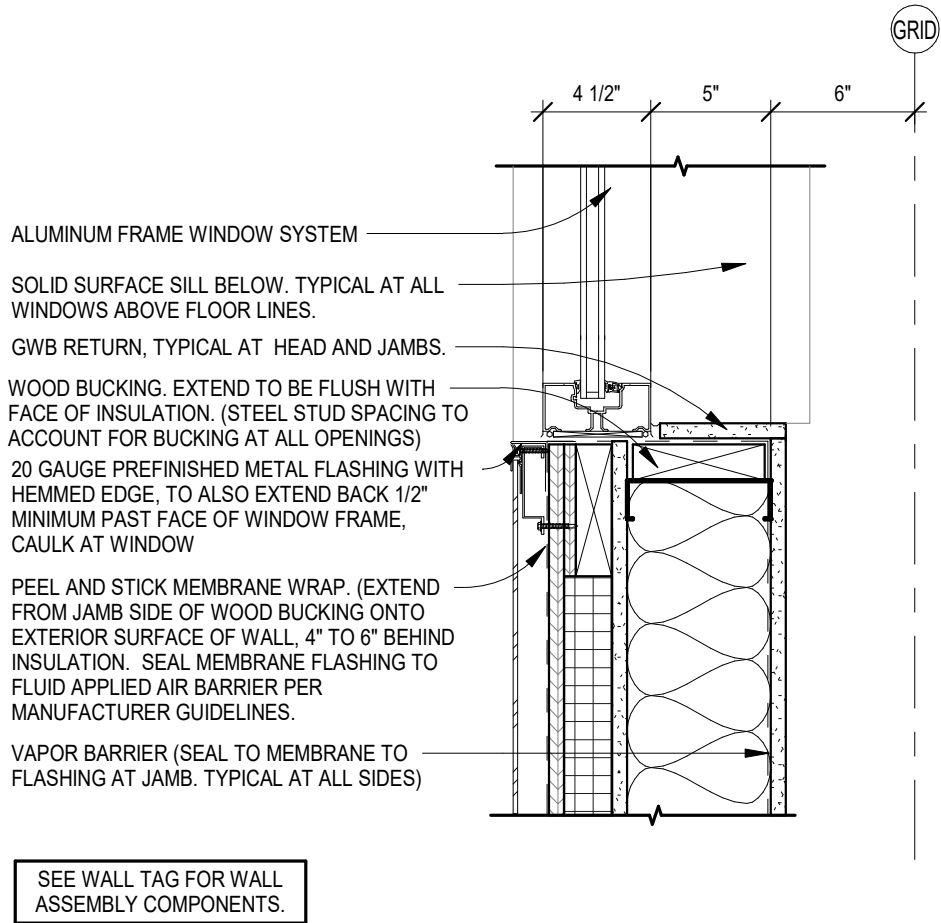
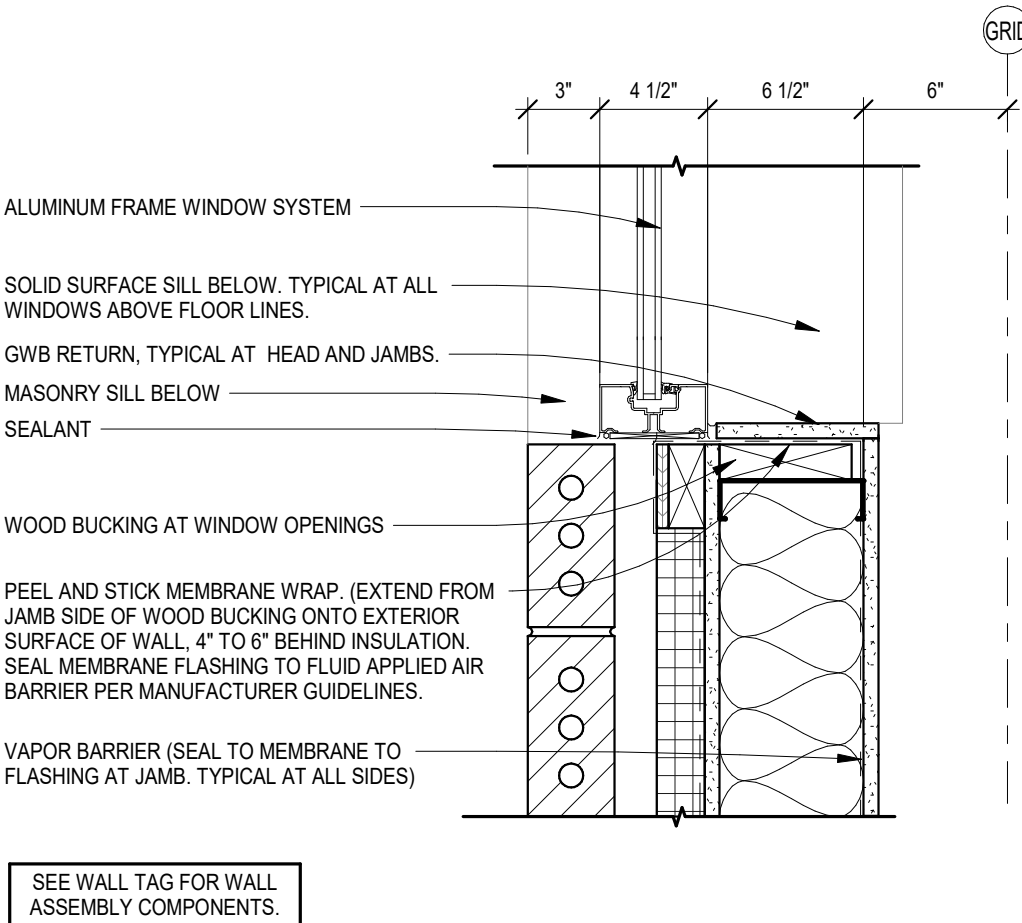
1 A520 Storefront Head @ VS Wall Assembly
1 1/2" = 1'-0"

2 A520 Storefront Head @ LS Wall Assembly
1 1/2" = 1'-0"

3 A520 Storefront Head @ NM Wall Assembly
1 1/2" = 1'-0"

4 A520 Storefront Head @ LS Wall W/ Furring
1 1/2" = 1'-0"

5 A520 HM Door Head at Stud, Jamb Sim
1 1/2" = 1'-0"

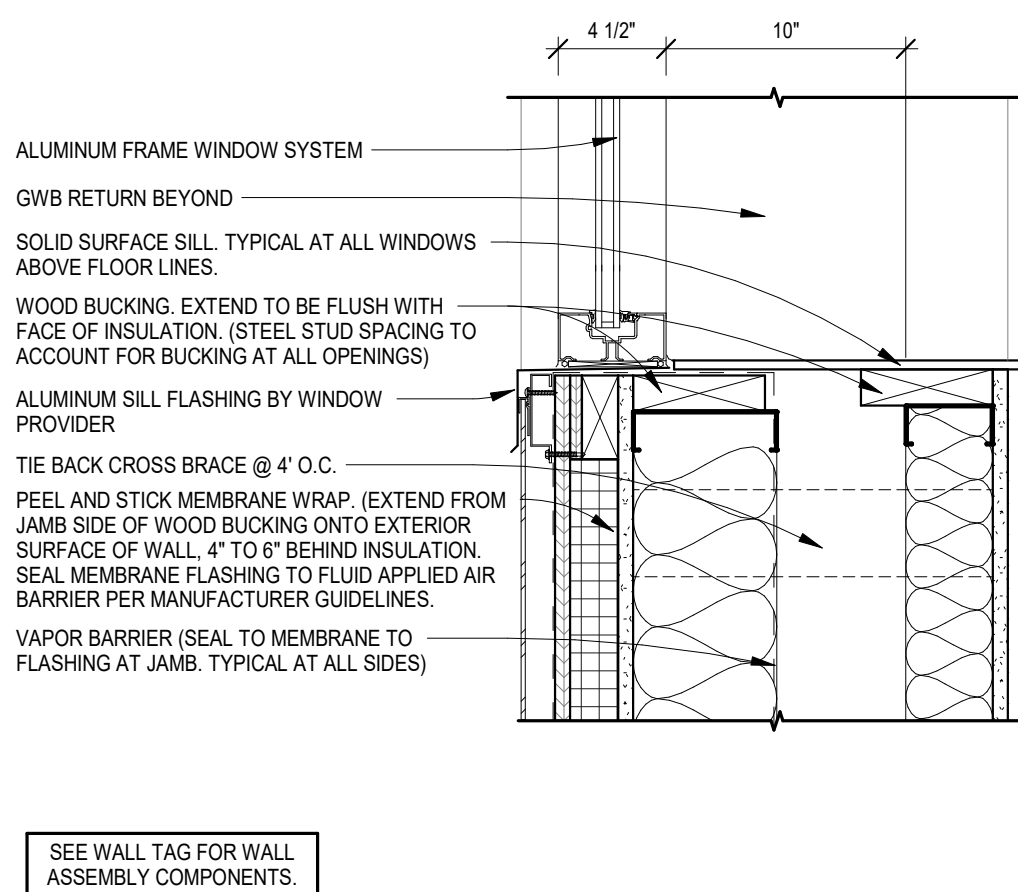
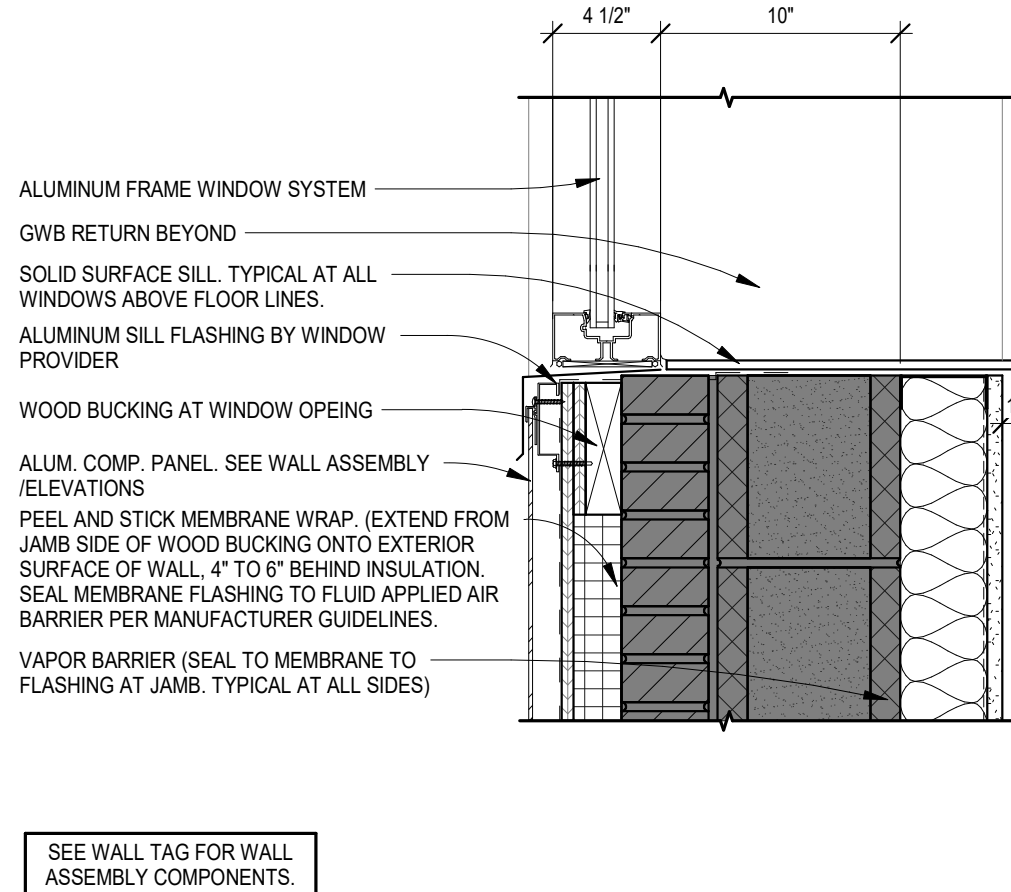
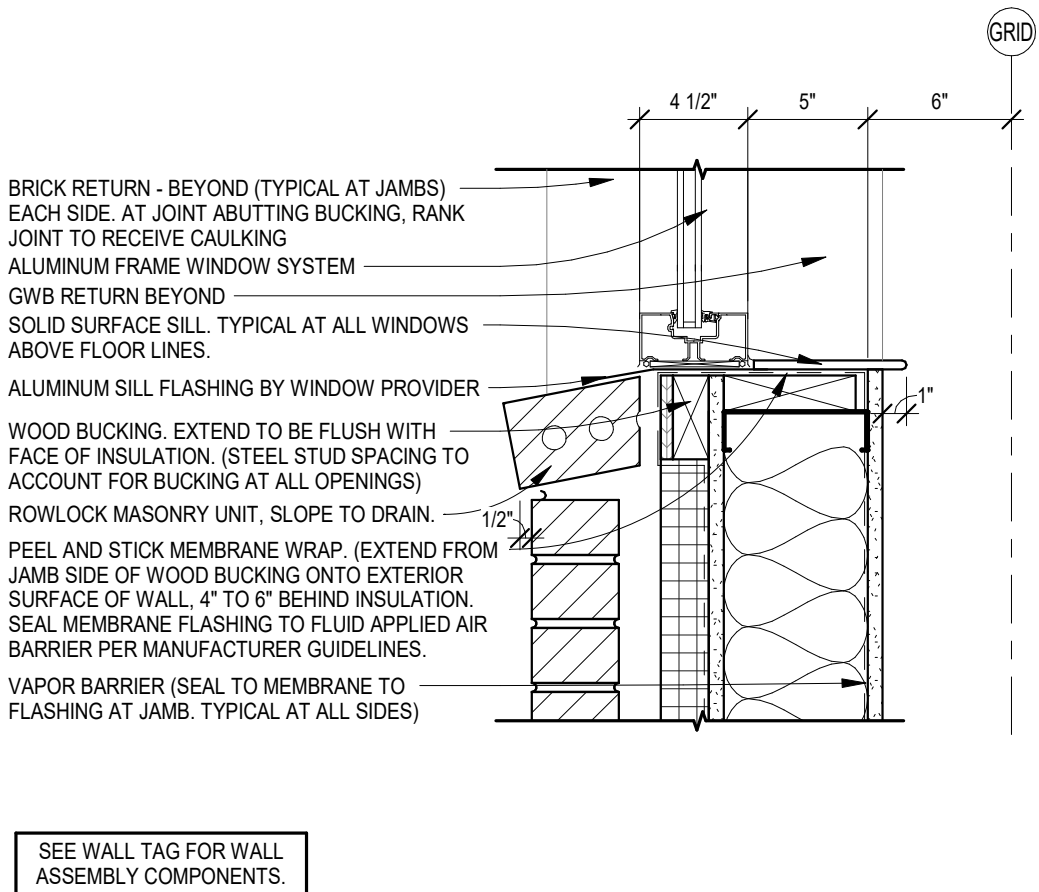
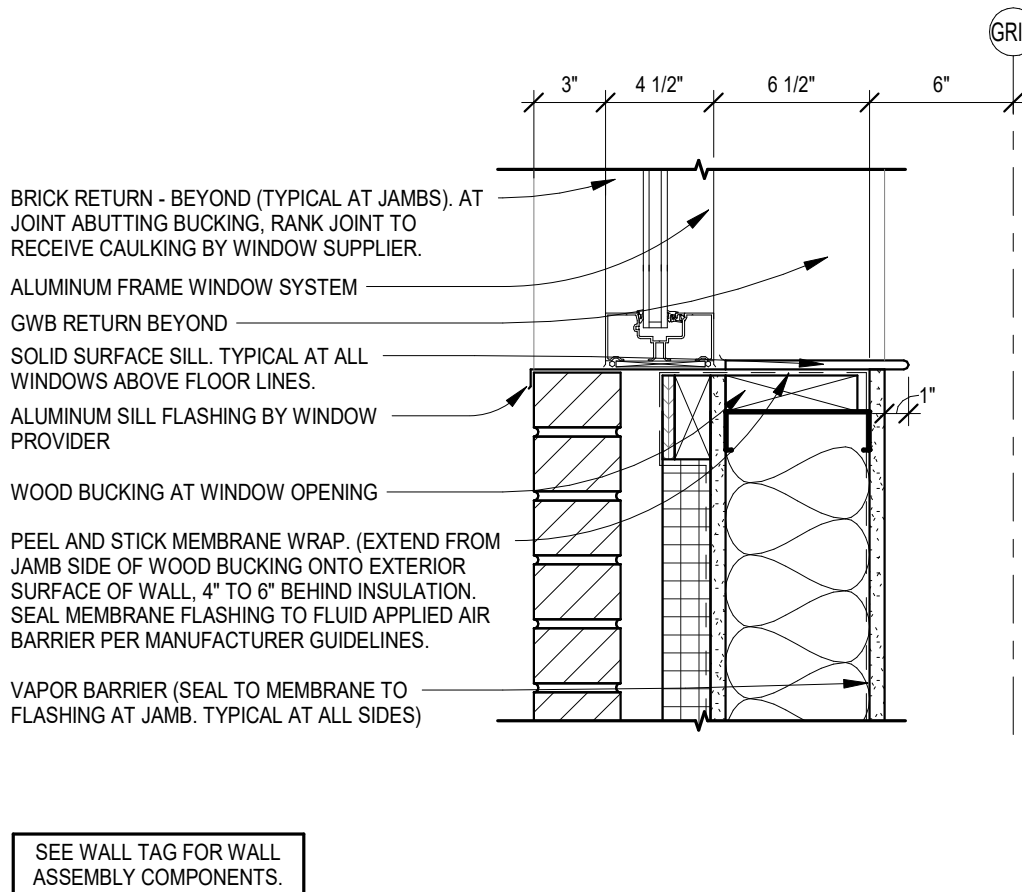


6 A520 Storefront Jamb @ VS Wall Assembly
1 1/2" = 1'-0"

7 A520 Storefront Jamb @ LS Wall Assembly
1 1/2" = 1'-0"

8 A520 Storefront Jamb @ NM Wall Assembly
1 1/2" = 1'-0"

9 A520 Storefront Jamb @ LS Wall W/ Furring
1 1/2" = 1'-0"



10 A520 Storefront Sill @ VS Wall Assembly
1 1/2" = 1'-0"

11 A520 Storefront Sill @ VS Wall Assembly w/ Rowlock
1 1/2" = 1'-0"

12 A520 Storefront Sill @ NM Wall Assembly
1 1/2" = 1'-0"

13 A520 Storefront Sill @ LS Wall W/ Furring
1 1/2" = 1'-0"



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DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

DRAWN BY: JLU/AN/BC

JN: 23-018

Head, Jamb, & Sill Details

SHEET

A520



American Legion

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NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

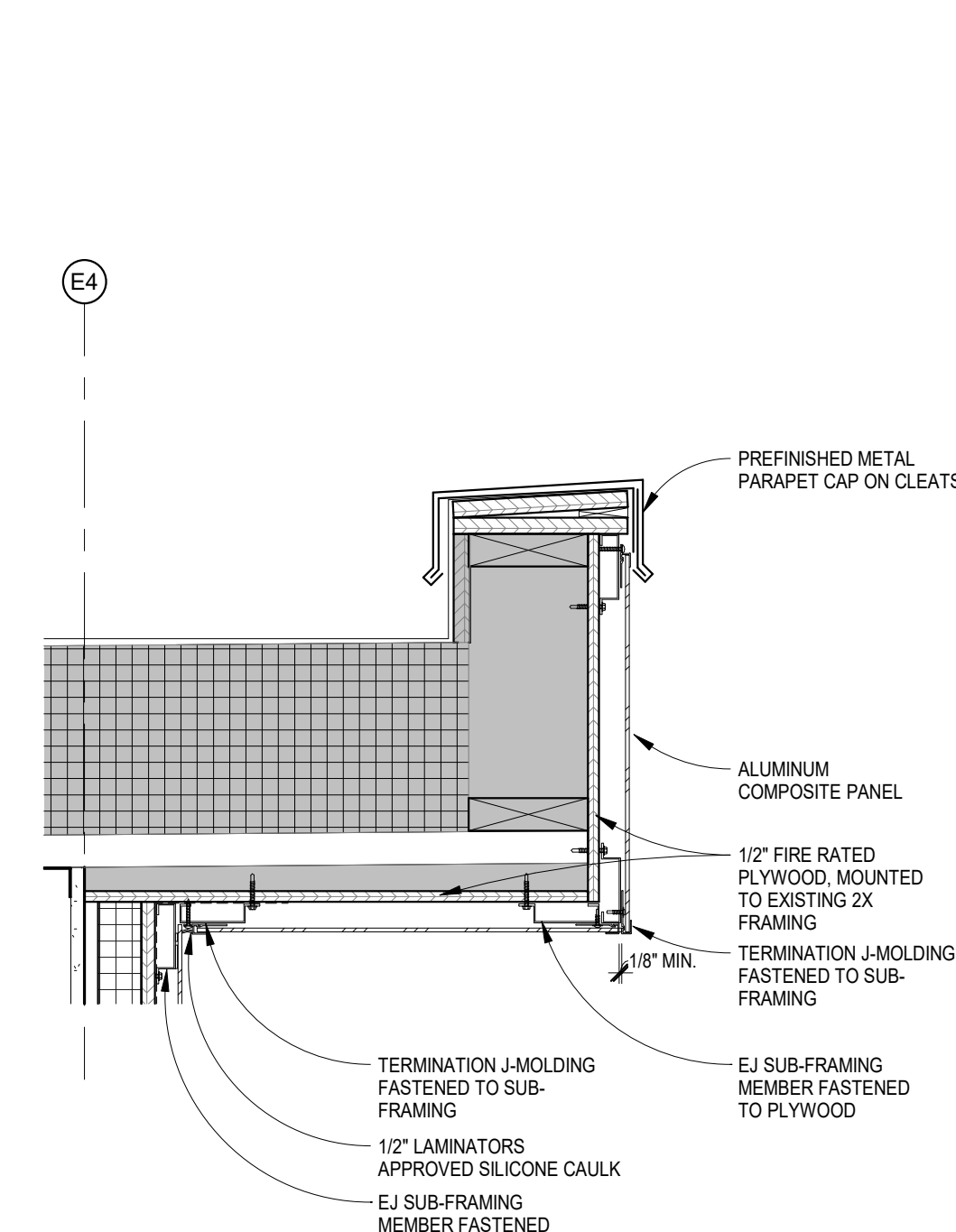
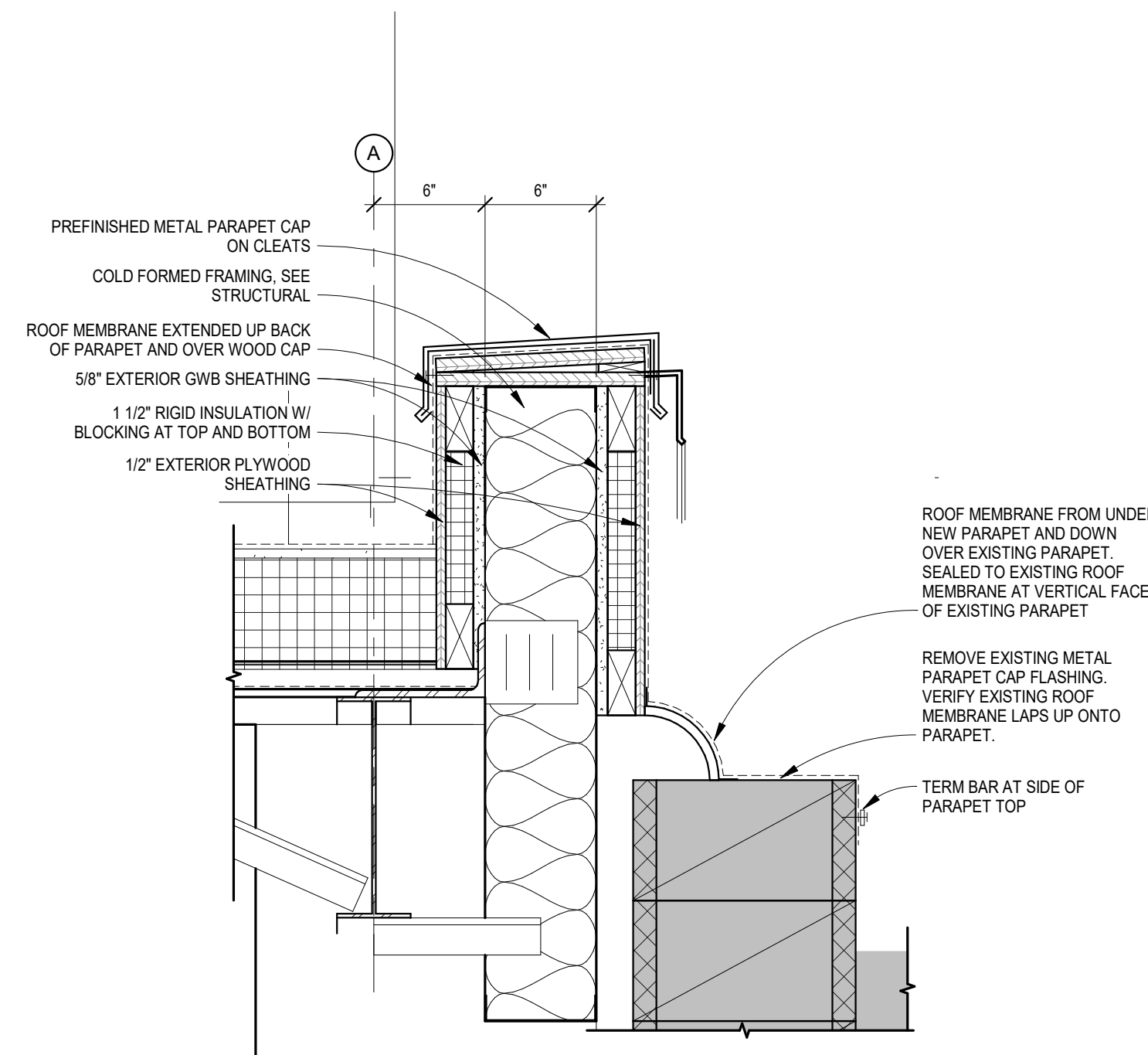
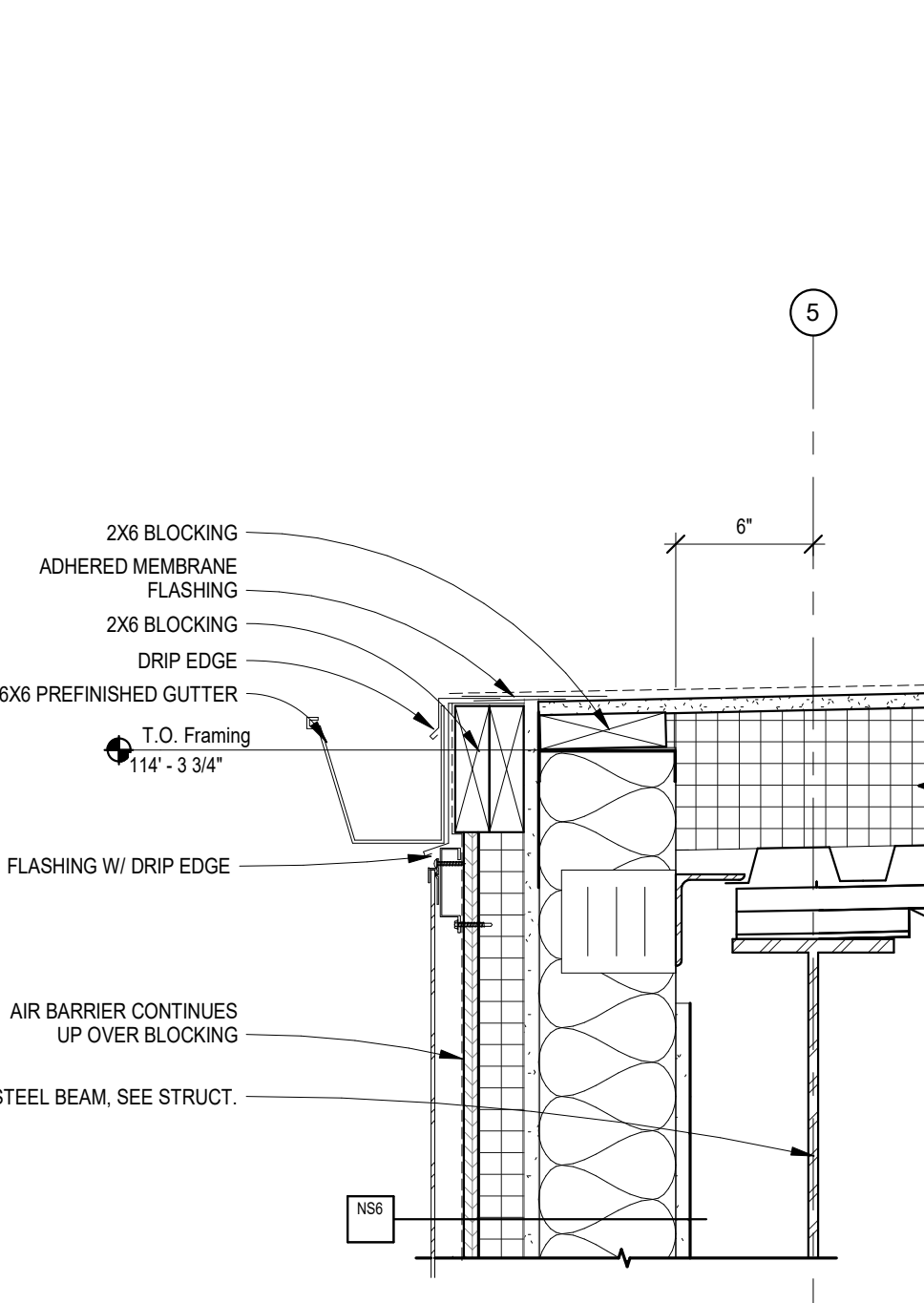
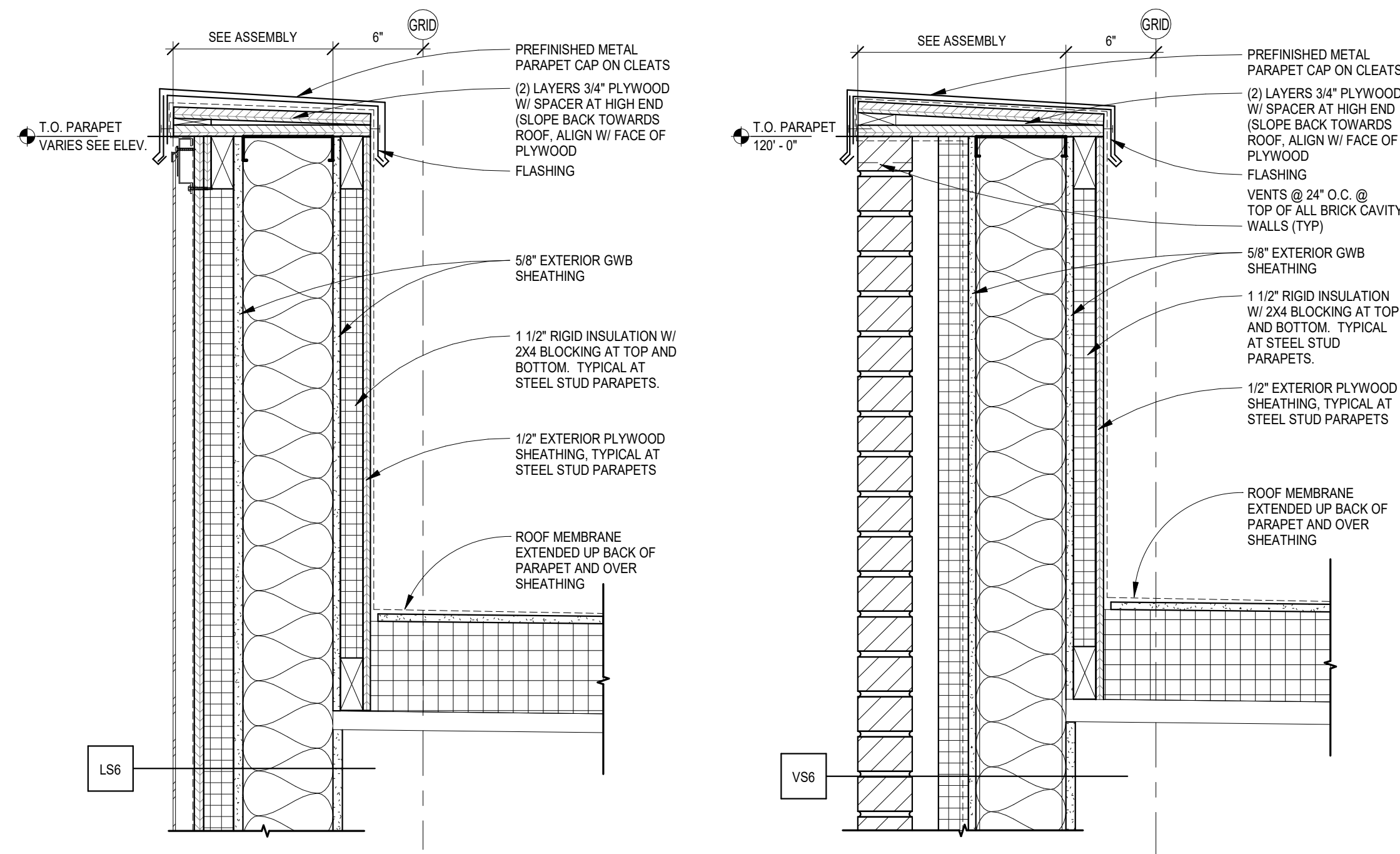
DRAWN BY: JLU/AN/BC

JN: 23-018

**Wall Base, Elevated Floor
Line, Parapet Details**

SHEET

A530



1 A530 Parapet at LS Wall

1 1/2" = 1'-0"

2 A530 Parapet at VS Wall

1 1/2" = 1'-0"

3 A530 Parapet Detail at Gutter

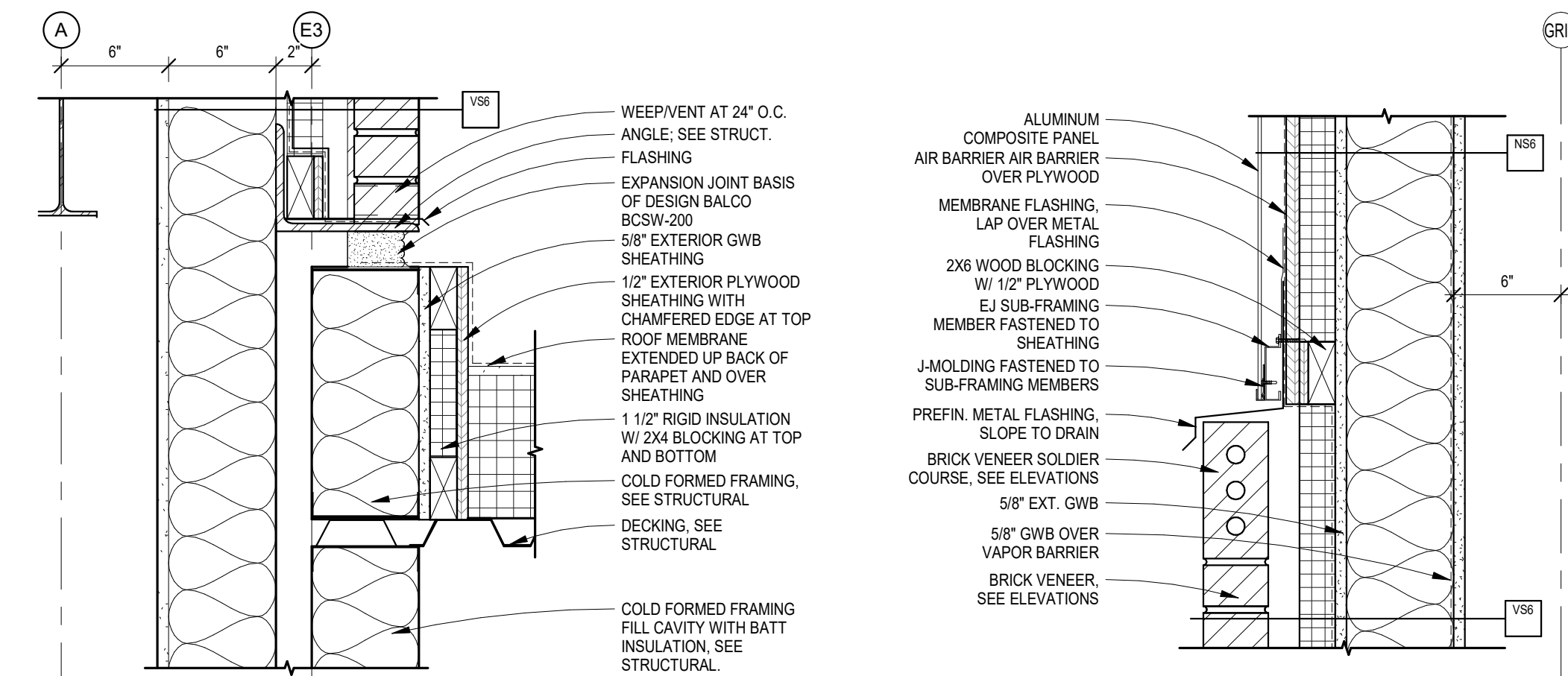
1 1/2" = 1'-0"

4 A530 Parapet Detail at Existing Roof Transition

1 1/2" = 1'-0"

5 A530 Parapet Detail at Existing Overhang

1 1/2" = 1'-0"

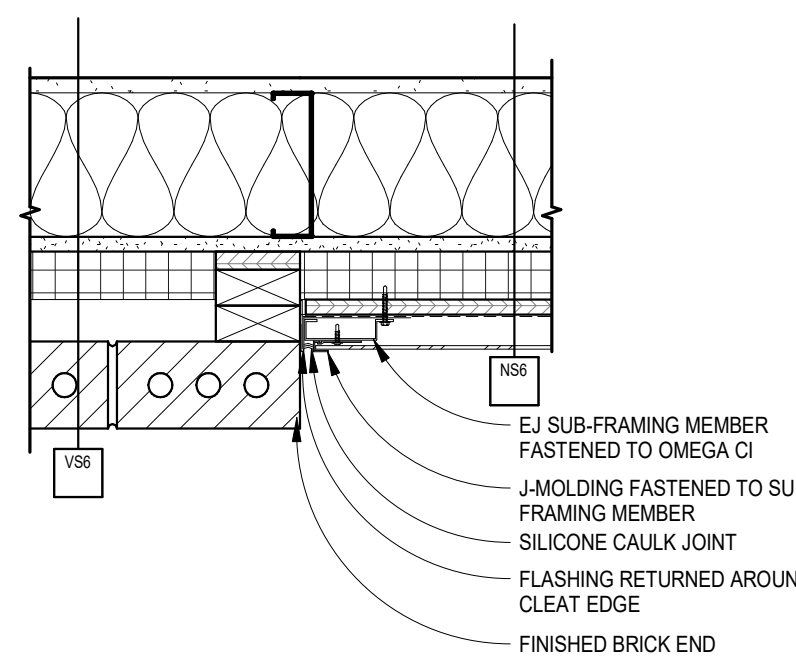


6 A530 Expansion Joint Transition at Roof

1 1/2" = 1'-0"

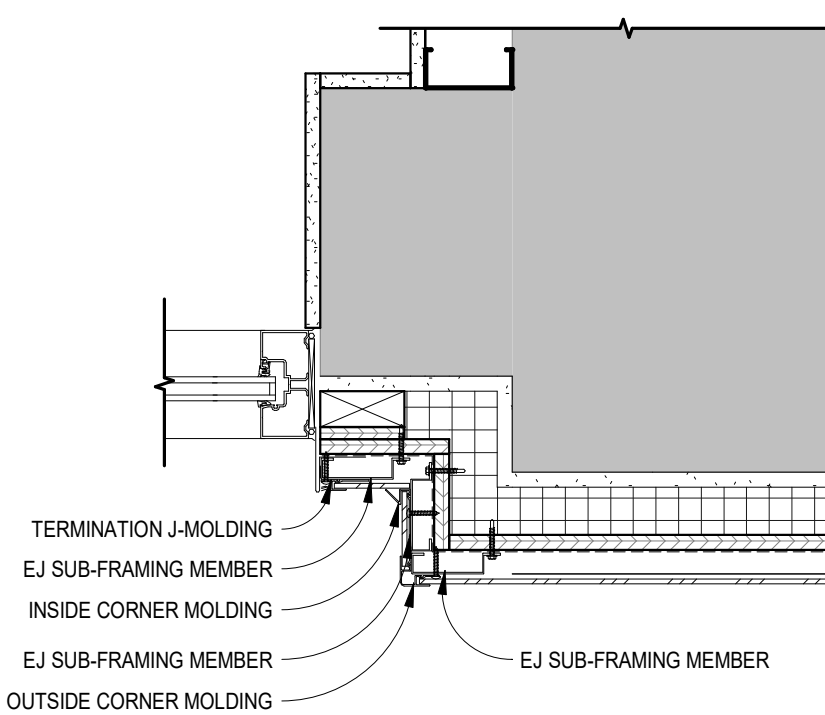
7 A530 Section Detail at Aluminum Composite Panel and Brick Transition

1 1/2" = 1'-0"



8 A530 Plan Detail at Aluminum Composite Panel and Brick Transition

1 1/2" = 1'-0"

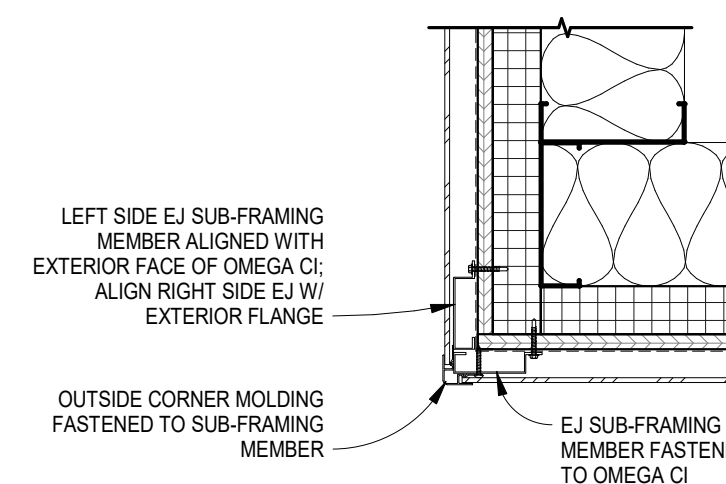


9 A530 Plan Detail at Inside & Outside Corner

1 1/2" = 1'-0"

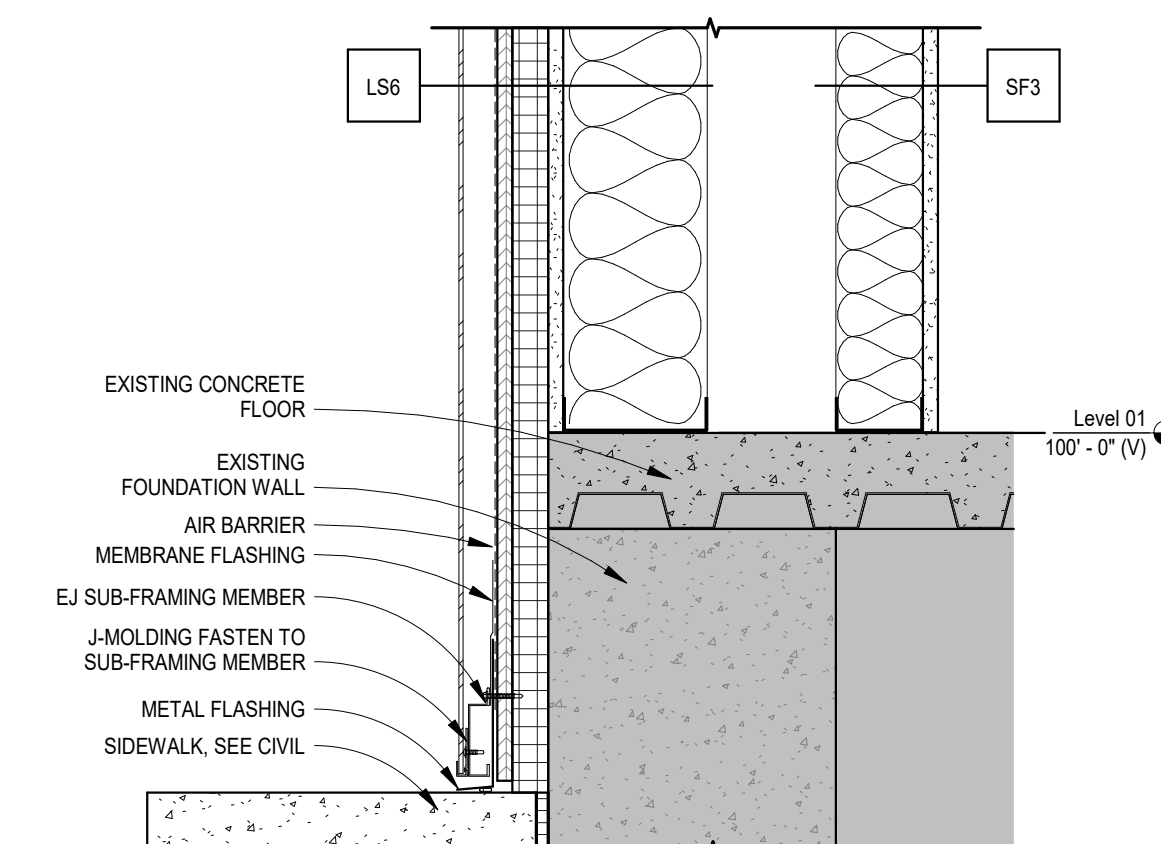
10 A530 Vertical Reveal Detail

1 1/2" = 1'-0"



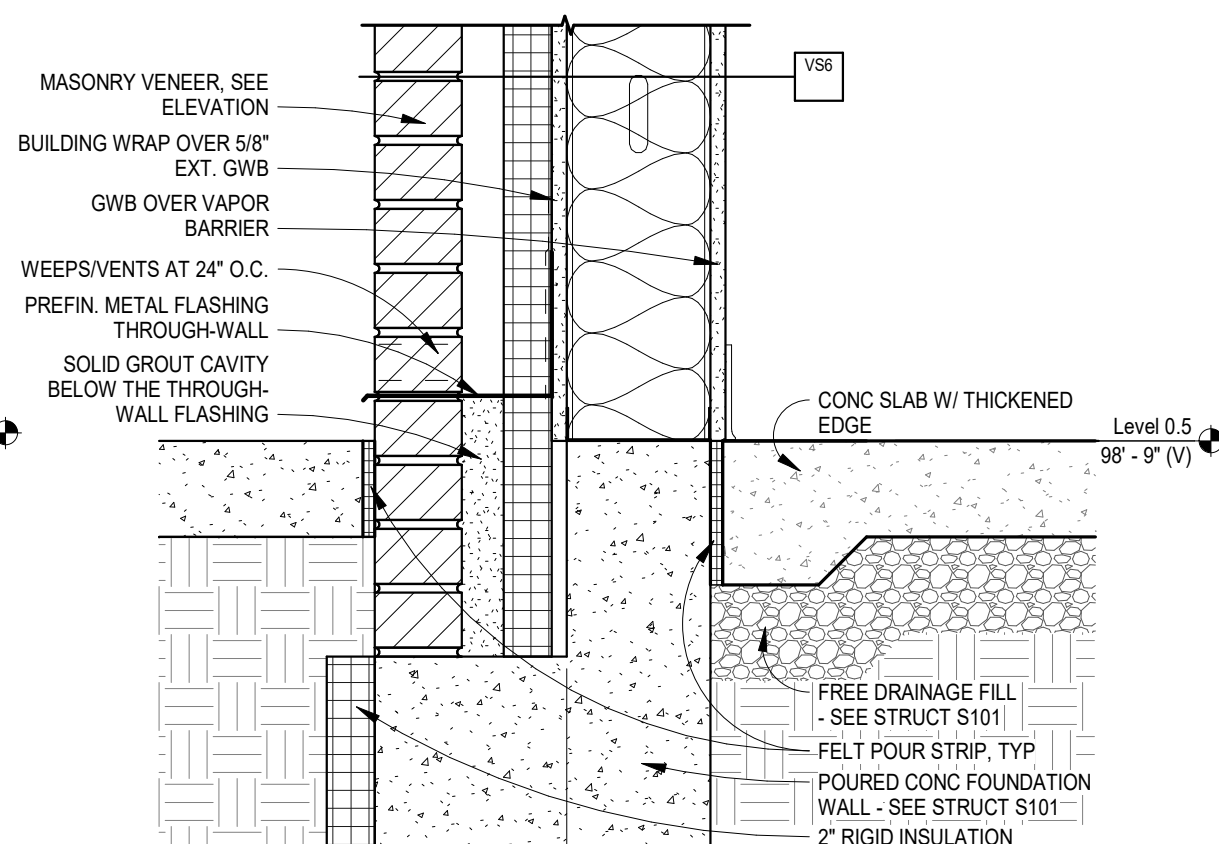
11 A530 Outside Corner Detail

1 1/2" = 1'-0"



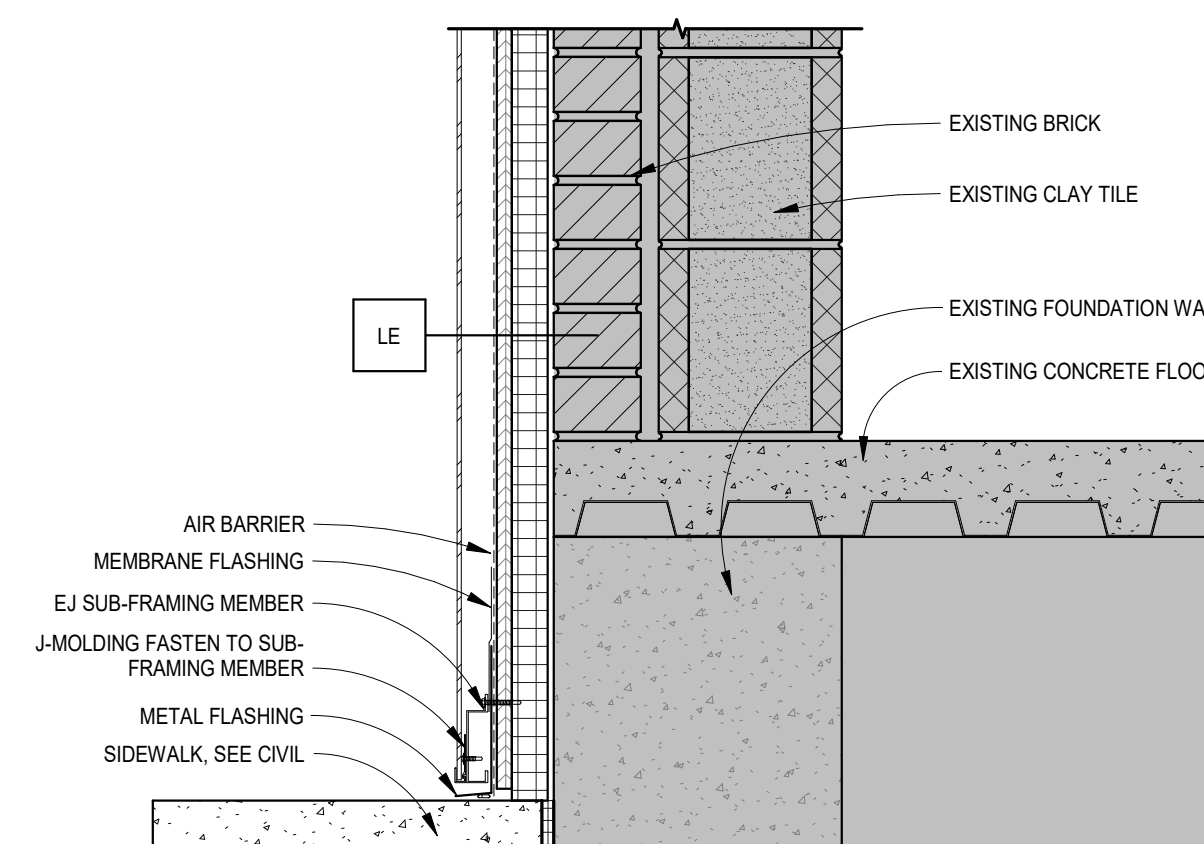
12 A530 Foundation Detail at LS Wall

1 1/2" = 1'-0"



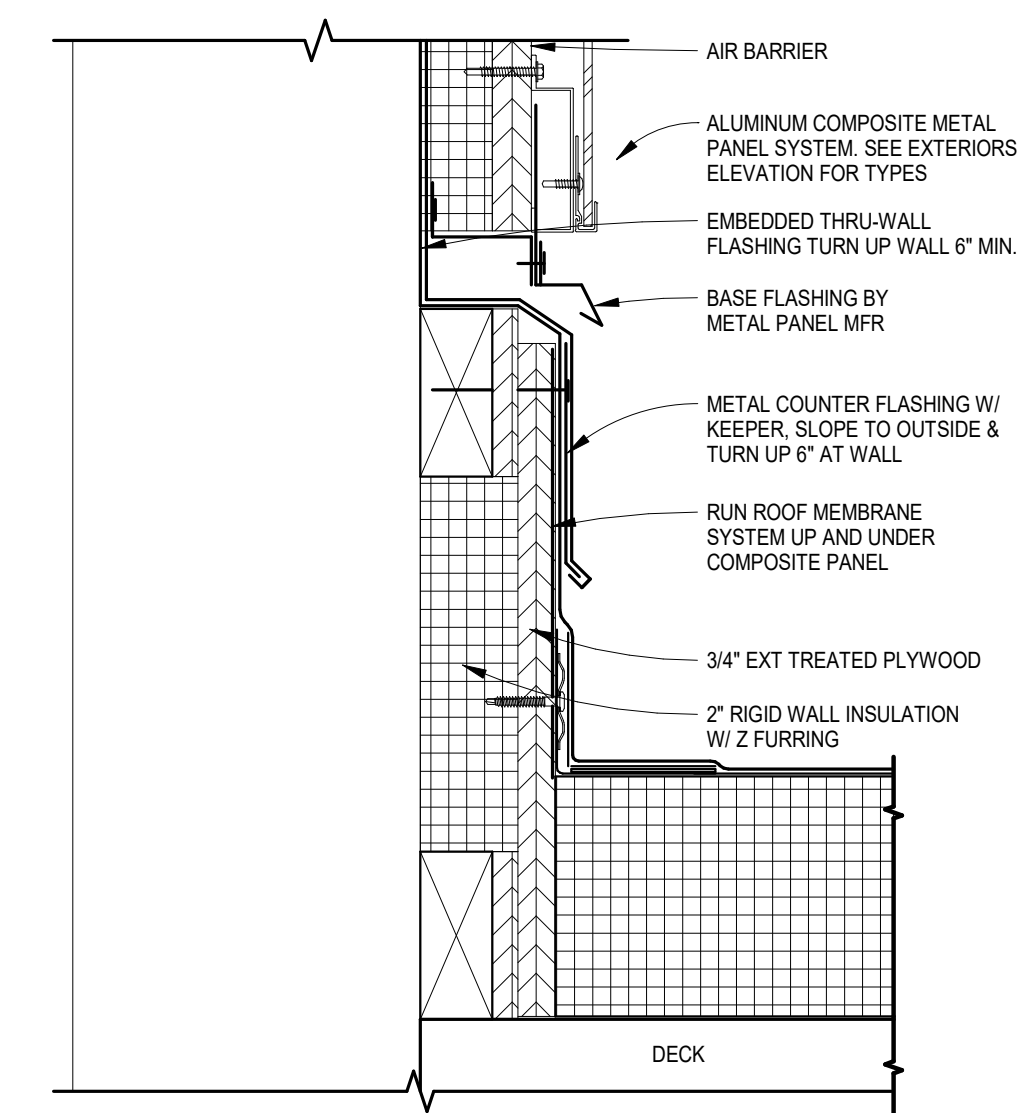
13 A530 Foundation Detail at VS Wall

1 1/2" = 1'-0"



14 A530 Aluminum Composite Panel at Exist. Wall

1 1/2" = 1'-0"



15 A530 Roof Membrane/Wall Termination

3" = 1'-0"



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ELECTRICAL

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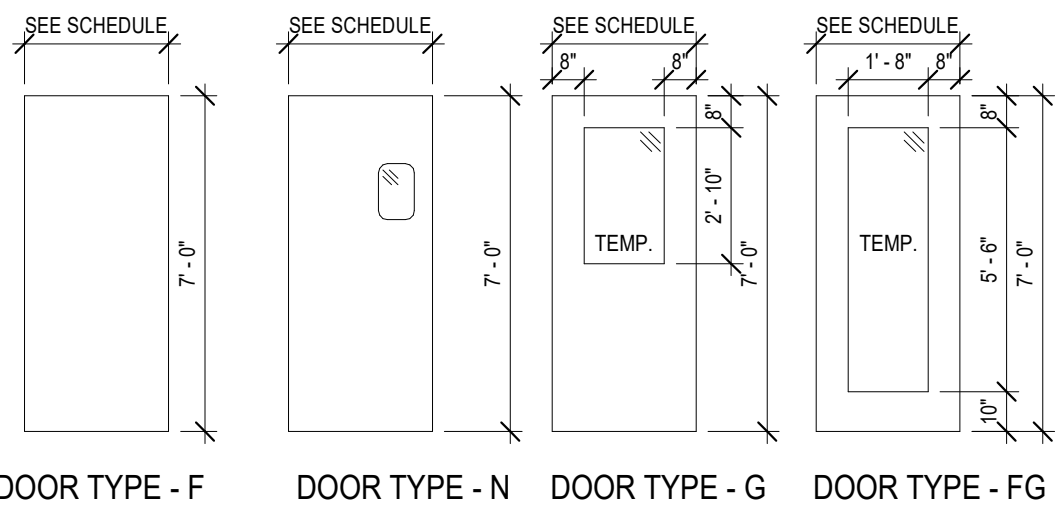
MOORE ENGINEERING
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WILLISTON, ND 58801
(701) 212.3937 OFFICE

FOODSERVICE

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DOOR SCHEDULE

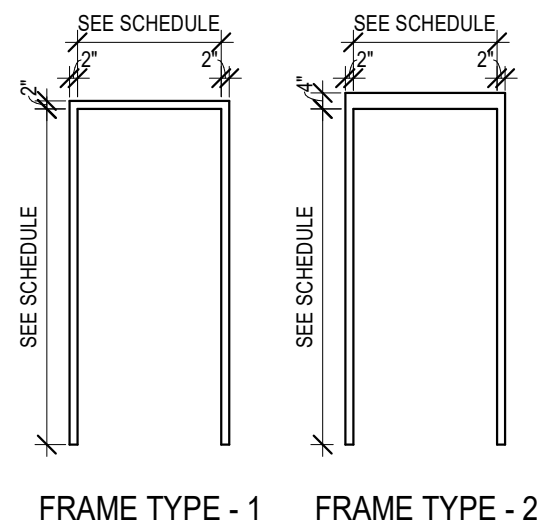
Door Number	Room	Exterior Door	Door Pair	Width	Height	Thickness	Door Type	Material	Finish	Glazing	Hardware	Type	Frame Material	Finish	Comments
101.1	VEST.		Y	6' - 0"	7' - 0"	1 3/4"	FG	AL	AL		09	S1	AL	AL	ACCESS CONTROL BY OWNER'S VENDOR
101.2	VEST.		Y	6' - 0"	7' - 0"	1 3/4"	FG	AL	AL		11	S1	AL	AL	
103	STOR.		N	3' - 0"	7' - 0"	1 3/4"	F	WOOD	PLAM-1		01	1	HM	PT-4	
107	BAR		Y	6' - 0"	7' - 0"	1 3/4"	FG	WOOD	PLAM-1		13	1	HM	PT-4	
108.1	KITCHEN		N	3' - 6"	7' - 0"	1 1/2"	F	HM			07	1	HM		ACCESS CONTROL BY OWNER'S VENDOR
108.2	KITCHEN		Y	5' - 0"	7' - 0"	3/4"	N	WOOD	SEE SPEC		06	1	HM	PT-4	
108.3	KITCHEN		N	2' - 6"	7' - 0"	3/4"	N	WOOD	SEE SPEC		06	1	HM	PT-4	
108A	OFFICE		N	3' - 0"	7' - 0"	1 3/4"	F	WOOD	PLAM-1		01	1	HM	PT-4	
108B	RR		N	3' - 0"	7' - 0"	1 3/4"	F	WOOD	PLAM-1		05	1	HM	PT-4	
110	BAR		Y	6' - 0"	7' - 0"	1 3/4"	FG	WOOD	PLAM-1		13	1	HM	PT-4	
111.1	VEST		N	3' - 4"	7' - 0"	1 3/4"	F	HM	PT-6		10	1	HM	PT-4	
111.2	VEST		N	3' - 0"	7' - 0"	1 3/4"	F	WOOD	PLAM-1		12	1	HM	PT-4	
112	MECH.		N	3' - 0"	7' - 0"	1 3/4"	F	WOOD	PLAM-1		02	1	HM	PT-4	
113	PRIVATE DINING		Y	6' - 0"	7' - 0"	1 3/4"	FG	WOOD	PLAM-1		03	1	HM	PT-4	FILM-1. SEE FINISH SCHEDULE
116.1	VEST.		N	3' - 0"	7' - 0"	1 3/4"	G	AL	AL		08	S6	AL	AL	ACCESS CONTROL BY OWNER'S VENDOR
116.2	VEST.		Y	5' - 0"	7' - 0"	1 3/4"	F	WOOD	PLAM-1		04	S7	AL	AL	
116.3	VEST.		Y	6' - 0"	7' - 0"	1 3/4"	FG	WOOD	PLAM-1		14	1	HM	PT-4	



DOOR TYPE - F DOOR TYPE - N DOOR TYPE - G DOOR TYPE - FG

Panel Types - Doors

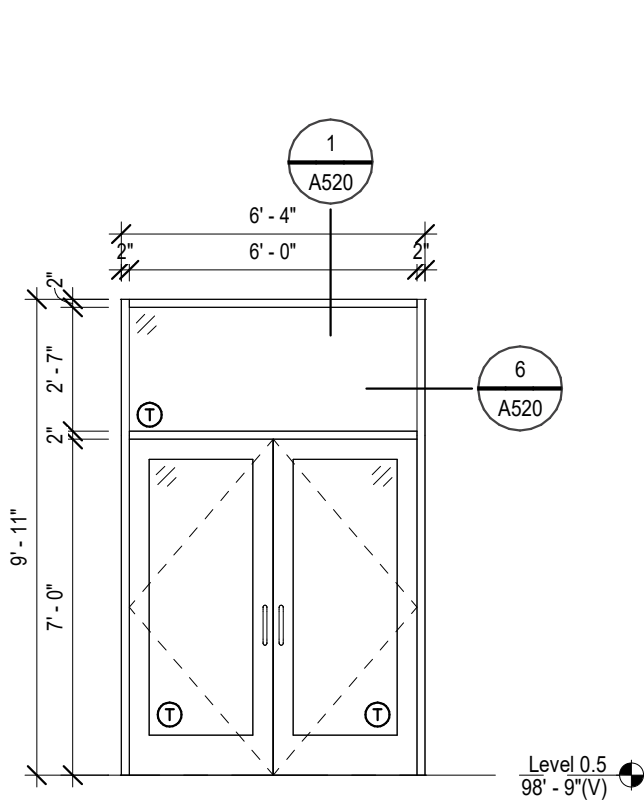
1 A601
1/4" = 1'-0"



FRAME TYPE - 1 FRAME TYPE - 2

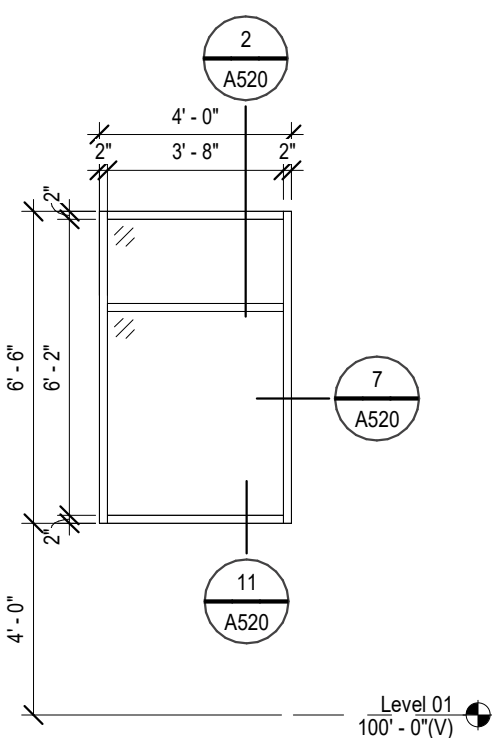
Frame Types - Doors

2 A601
1/4" = 1'-0"



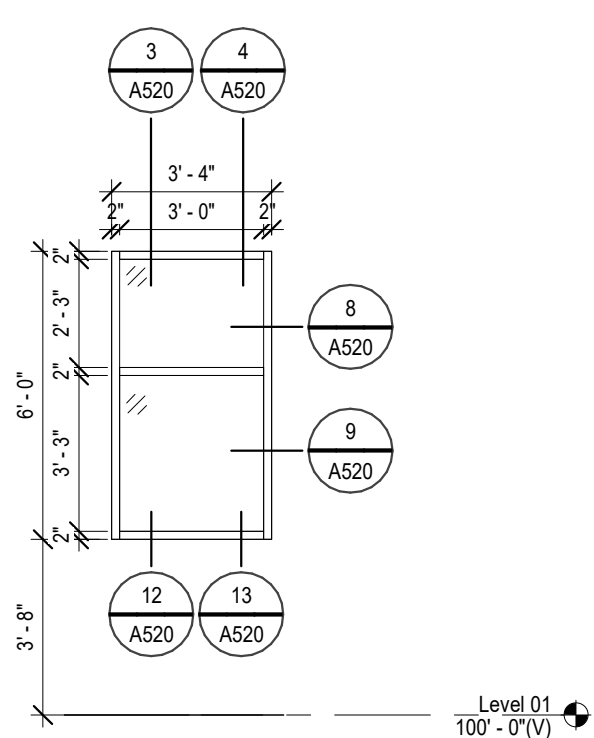
Storefront 1

3 A601
1/4" = 1'-0"



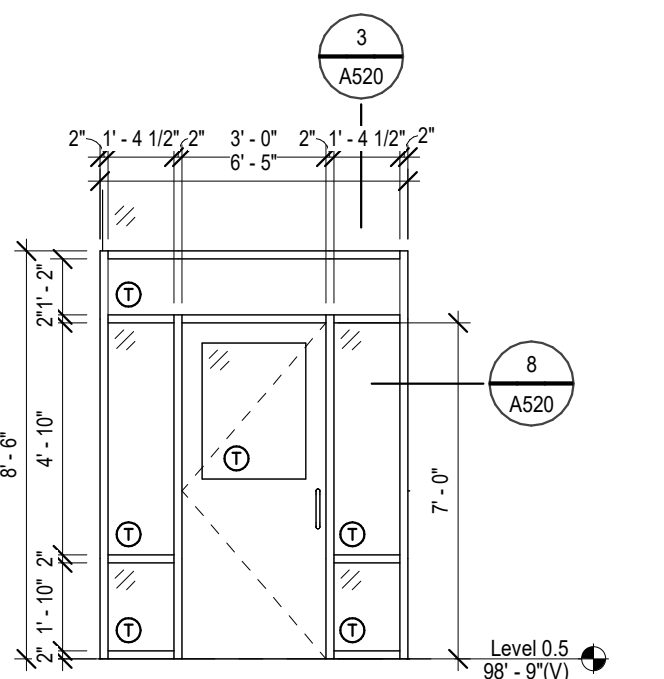
Storefront 2

4 A601
1/4" = 1'-0"



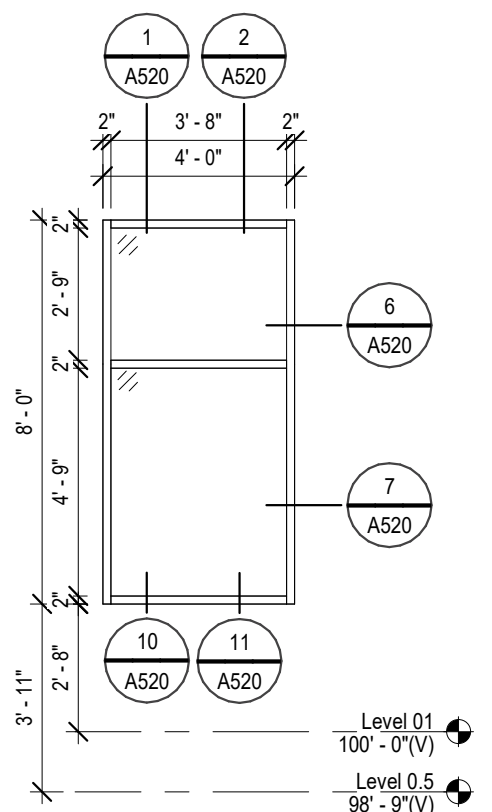
Storefront 3

5 A601
1/4" = 1'-0"



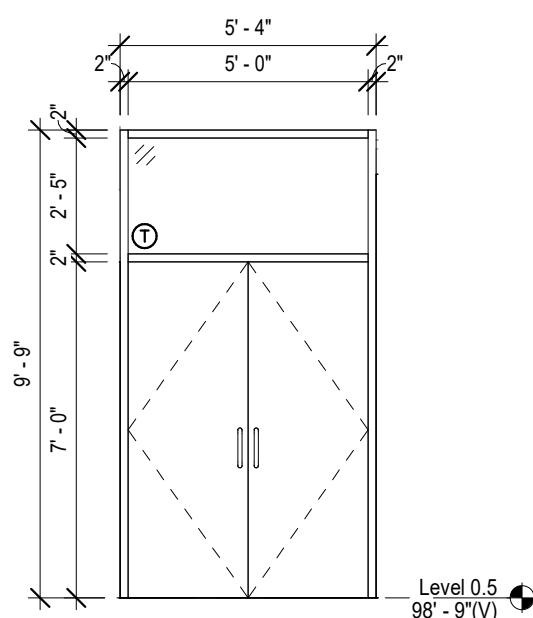
Storefront 4

6 A601
1/4" = 1'-0"



Storefront 5

7 A601
1/4" = 1'-0"



Storefront 6

8 A601
1/4" = 1'-0"

GLAZING NOTES

1. ALL EXTERIOR GLAZING GL-1 UNLESS OTHERWISE NOTED. ALL INTERIOR GLAZING GL-2 UNLESS OTHERWISE NOTED.

SYSTEM TYPES:
SEE SPEC FOR MORE INFORMATION
STOREFRONT:
SYSTEM 1: TUBELITE TU24000

GLAZING TYPES:
SEE SPEC FOR MORE INFORMATION
GL-1: TYPICAL EXTERIOR LOW-E TINTED INSULATING GLASS
GL-2: TYPICAL INTERIOR MONOLITHIC INTERIOR VISION GLAZING

GLAZING LEGEND

① TEMPERED GLAZING AT TAGGED LOCATION

/// GLASS MARK



DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

DRAWN BY: JLU/AN/BC

JN: 23-018

Door Schedule & Storefront Elevations

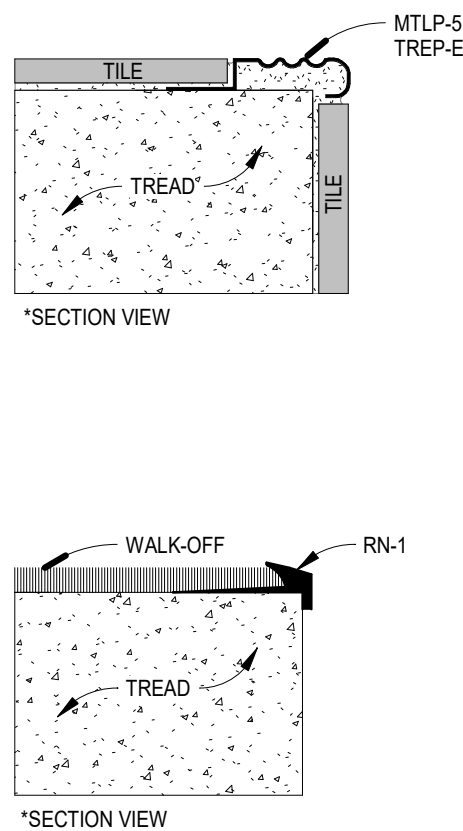
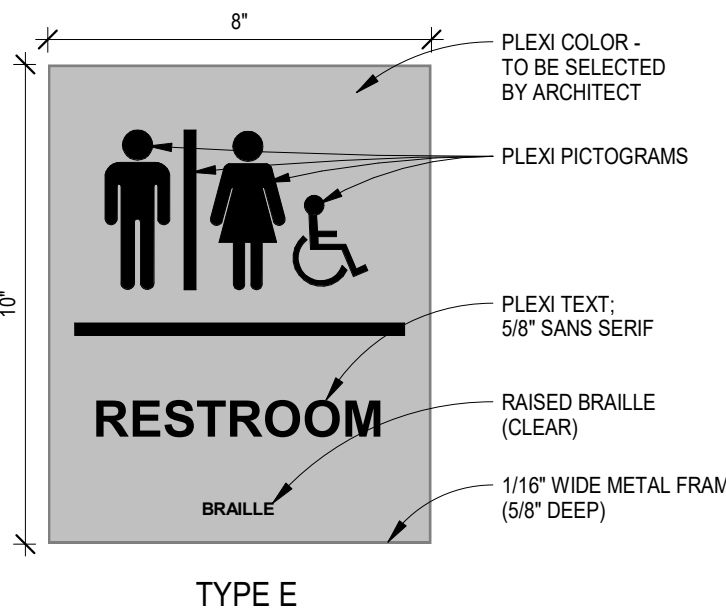
SHEET

A601

Division	Type	Mark	Manufacturer	Style	Color	Size	Installation	GROUT / Finish	Location	Comments
ARCHITECTURAL WOOD CASEWORK										
06 41 00	PLAM	1	Formica	HPL I VGS	Planked Urban Oak 9312-NG	-	-	Natural Grain - NG	Casework, Doors	
06 41 00	PLAM	2	Wilsonart	HPL	Atlantis D25-60	-	-	Matte - 60	Donor Wall Signage	
ARCHITECTURAL WOOD CASEWORK - CABINET HARDWARE										
06 41 00	CP	1	TMI	Square Pull	Brushed Nickel	4" Length	-	-	Typical Casework	
WOOD PANELING										
06 42 00	WDP	1	Surfacing Solution	Solid Wood Tambour T675	Painted PT-3	11/32"H, Slat width 1.5"	See Spec.	-	Bar	
06 64 00	FRP	1	Marlite	Standard FRP	White	48x108 Sheets	Mfr. Standard Trim Pieces	Pebbled	Kitchen, Custodial	Class A
ARCHITECTURAL WINDOW FILMS										
08 87 23	FILM	1	Solyx	SX-1409	White Sand Matte	48" Wide	Direct Adhered	-	Private Dining Doors	
TILING										
09 30 00	T	1	Ceramic Tileworks	Canyon	Ivory	12x24	Running Bond	G-1	Restroom Floors	
09 30 00	T	1B	Ceramic Tileworks	Canyon	Ivory	6x24	Wall Base, Cut from T-1	G-2	Restroom Wall Base	
09 30 00	T	2	Ceramic Tileworks	Glassalike	Grigio	4x12	Vertical Stack	G-2	Restroom Walls	
09 30 00	T	3	Ceramic Tileworks	Glassalike	Biu	4x12	Vertical Stack	G-2	Restroom Walls	
09 30 00	T	4	Ceramic Tileworks	Canyon	Brown	12x24	Running Bond	G-1	Lobby, Dining Area	
09 30 00	T	5	Daltile	Quarry Textures	Ashen Gray	6x6	Monolithic	G-3	Kitchen	
09 30 00	T	6	Ceramic Tileworks	Art Stone/Stonecraft	Brown Wood	6x24	Horizontal Stack	G-2	Accent	
TILING - GROUT										
09 30 00	G	1	Laticrete	See Spec.	Natural Gray 24	Manufacturer's Recommendation	See Spec.	-	-	
09 30 00	G	2	Laticrete	See Spec.	Walnut 94	Manufacturer's Recommendation	See Spec.	-	-	
09 30 00	G	3	Laticrete	See Spec.	Dusty Grey 60	Manufacturer's Recommendation	See Spec.	-	-	
TILING - METAL PROFILES										
09 30 00	MTLP	1	Schluter	Quadec	-	Vty w/ Tile Thicknesses	Exposed Edges of Wall Tile	Satin Nickel Anodized Aluminum	See Elevations	
09 30 00	MTLP	2	Schluter	Dilex-AHK	-	Vty w/ Tile Thicknesses	Cove from Wall Tile to Floor Tile	Satin Nickel Anodized Aluminum	See Finish Plans and Elevations	
09 30 00	MTLP	3	Schluter	Reno-TK	-	Vty w/ Tile Thicknesses	Floor Tile to Carpet	Satin Nickel Anodized Aluminum	See Finish Plans	
09 30 00	MTLP	4	Schluter	Reno-U	-	Vty w/ Tile Thicknesses	Floor Tile to Concrete	Satin Nickel Anodized Aluminum	See Finish Plans	
09 30 00	MTLP	5	Schluter	REP-E	-	Vty w/ Tile Thicknesses	Stair Nosing	Satin Nickel Anodized Aluminum	See Finish Plans	
09 30 00	MTLP	6	Schluter	Dilex-AHKA	-	Vty w/ Tile Thicknesses	Cove from Wall Tile to Concrete	Satin Nickel Anodized Aluminum	See Finish Plans and Elevations	
09 30 00	MTLP	7	Schluter	Dilex-AKWS	-	Vty w/ Tile Thicknesses	Expansion Joint	Satin Nickel Anodized Aluminum	See Specs	
09 30 00	MTLP	8	Schluter	Schiene	-	Vty w/ Tile Thicknesses	Exposed Edges of Floor Tile	Satin Nickel Anodized Aluminum	See Finish Plans	
09 30 00	MTLP	9	Schluter	Reno-Ramp	-	Vty w/ Tile Thicknesses	Kitchen Floor Tile to Concrete	Satin Nickel Anodized Aluminum	See Finish Plans	
ACOUSTICAL TILE CEILINGS										
09 51 23	ACT	1	Armstrong	Calla	White	24x24	15/16" Grid, White	SLT Edge	Typical	
09 51 23	ACT	2	Armstrong	Kitchen Zone	White	24x24	15/16" Grid, White	SC Edge	Kitchen	Aluminum Grid
RESILIENT BASE AND ACCESSORIES										
09 60 00	RB	1	Tarkett	Traditional, Cove	Peppercom TB1	4"	-	-	Typical Base	
09 60 00	RN	1	Tarkett	Rubber Nosing	Peppercom TB1	Vty w/ Floor Thickness	Manufacturer's Recommendation	-	See Finish Plans	
09 60 00	RSTR	1	Tarkett	Rubber Stair Tread	Peppercom TB1	Field Verify	Manufacturer's Recommendation	Hammered	Vestibule Stairs	
09 60 00	RR	1	Tarkett	SLT-XX-L	Peppercom TB1	1/4" to Subfloor	Slim Line Transition	-	Carpet to Concrete	
TILE CARPETING										
	WOM	1	J&J Flooring	09 68 13	Incognito Walk-off 7069	Operative 1837	24x24	Monolithic	-	Vestibule
EXTERIOR PAINTING										
09 91 13	PT	6	Sherwin Williams	-	Iron Ore SW7069	-	-	Semi-Gloss	Exterior Handrails & Bollards	
INTERIOR PAINTING										
09 91 23	PT	1	Sherwin Williams	-	Natural Linen SW9109	-	-	Eggshell (Walls), Flat (Ceiling)	Typical	
09 91 23	PT	2	Sherwin Williams	-	Antler Velvet SW9111	-	-	Eggshell (Walls), Flat (Ceiling)	Accent	
09 91 23	PT	3	Sherwin Williams	-	Dignity Blue SW6804	-	-	Eggshell (Walls), Semi-Gloss (Trim)	Accent	
09 91 23	PT	4	Sherwin Williams	-	Urbane Bronze SW7048	-	-	Semi-Gloss	Misc. Metals, HM Frames	General Note 2
09 91 23	PT	5	Sherwin Williams	-	Greek Villa SW7551	-	-	Eggshell	Utility Rooms	
PLASTIC TOILET PARTITIONS										
10 21 13	TP	1	ASI	Accurate Partitions - Solid Plastic (HDPE)	Olive 9223	-	Overhead Braced	Orangepeel	Restrooms	
WALL AND DOOR PROTECTION										
10 26 00	CG	1	Construction Specialties	CO Series Stainless Steel Corner Guards	Stainless Steel	2" Wing Size, 9'-0" Height	Manufacturer's Recommendation	Satin	Typical	
10 26 00	WP	1	Construction Specialties	Acroynm Dimensional Molding	Burmese Teak 1312	See Spec	Manufacturer's Recommendation	-	Typical Wainscot	
10 26 00	WP									

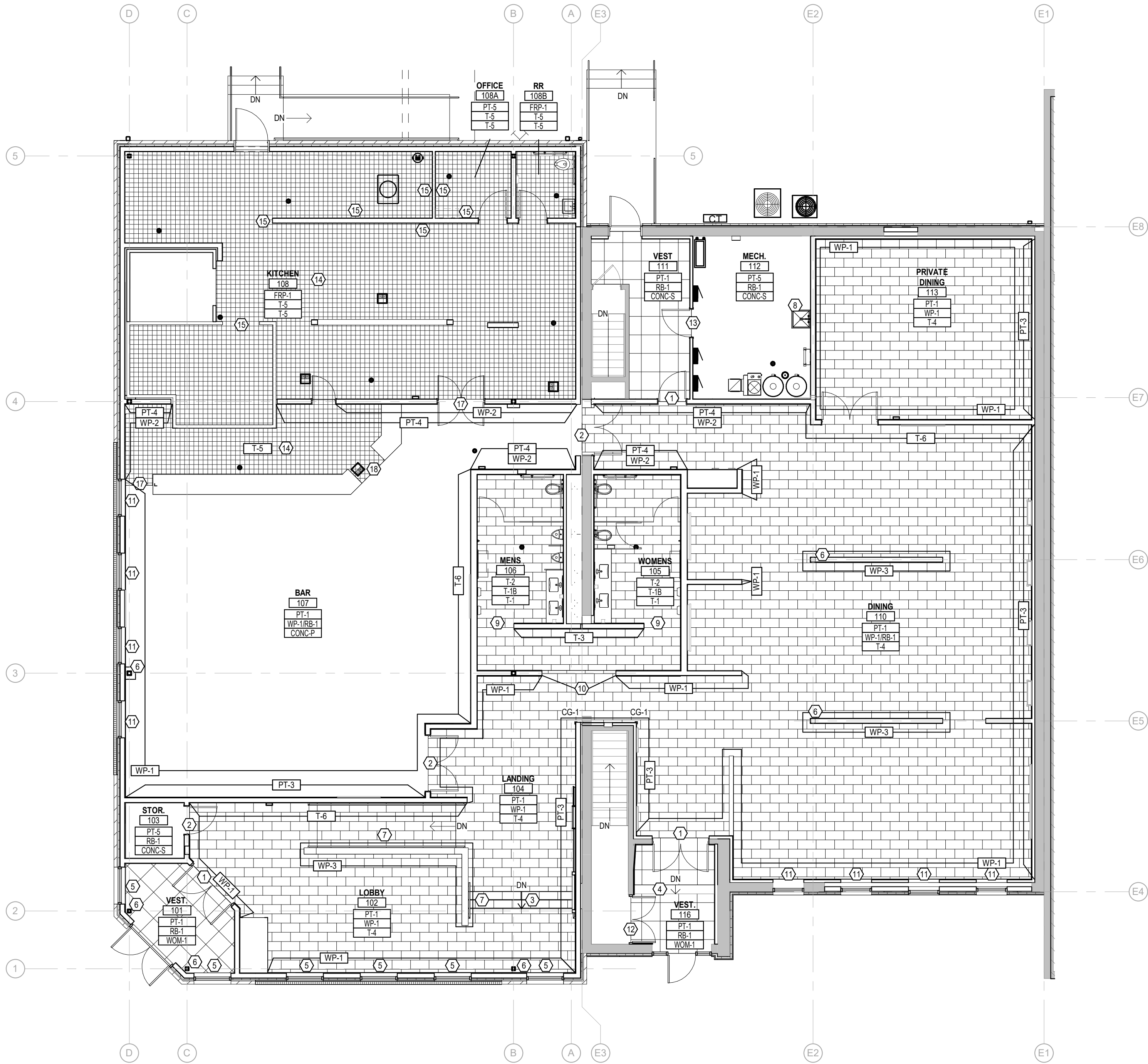


- TYPE A - MEN'S RESTROOM
- TYPE B - WOMEN'S RESTROOM
- TYPE C - TYPICAL ROOM SIGNAGE
- TYPE D - OCCUPANCY
- TYPE E - UNISEX RESTROOM


$$3'' = 1'-0$$
$$6'' = 1'-0''$$

$$6'' = 1'-0''$$


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1 A701 Finish Floor Plan
1/8" = 1'-0"



GENERAL NOTES - FINISH PLANS

- CORNER GUARDS ON ALL EXPOSED GYP CORNERS. ALL CORNER GUARDS (CG) TO BE CG-1 U.N.O.
- SEE ENLARGED PLANS AND INTERIOR ELEVATIONS FOR WALL TILE LOCATIONS, HEIGHTS AND INSTALLATION PATTERNS
- SEE REFLECTED CEILING PLAN FOR CEILING HEIGHT AND FINISH AND COLOR SCHEDULE FOR FINISH
- TV AND BRACKET BY OWNER – PROVIDE POWER, DATA AND BLOCKING
- FLOOR FINISH PATTERNS REPRESENTATIONAL FOR INSTALL PATTERN AND DIRECTION ONLY. REFER TO FINISH SCHEDULE FOR EXACT SIZE
- REFER TO DOOR SCHEDULE FOR DOOR AND FRAME FINISHES

KEYNOTES - FINISH PLANS

- MTLP-3 AT FLOOR TILE TO CPT TRANSITION
- MTLP-4 AT FLOOR TILE TO CONC. TRANSITION
- T-4 ON STAIR W/ MTLP-5 NOSING AND MTLP-2 AT INSIDE CORNER OF TREAD AND RISER. SEE DETAIL 4/A321
- RSTR-1 AT STAIR W/ RN-1 AT LANDING. RISERS TO BE PAINTED PT-4
- SOLID SURFACE WINDOW SILL - TYPICAL THROUGHOUT
- PAINT STRUCTURAL COLUMN PT-4
- PAINT RAILING PT-4
- PROVIDE 4'-0" FRP ON WALLS ADJACENT TO MOP SINK WITH MFR STANDARD TRIM PIECES. EXTEND 24" PAST SINK EDGES
- PROVIDE FULL HEIGHT WALL TILE; SEE INTERIOR ELEVATIONS FOR TYPES AND INSTALLATION PATTERNS
- STOP TILE HERE W/ TRIM PIECES AS REQUIRED. SEE DETAIL 3/A610.
- RWS-1 (MANUAL) W/ SSF-1 SILL
- RR-1 AT CPT TO EXISTING FLOORING TRANSITION. VERIFY IN FIELD.
- RR-1 AT CPT TO CONC. TRANSITION
- SLOPE MORTAR BED AS REQUIRED TO PROVIDE POSITIVE DRAINAGE TO FLOOR DRAIN. VERIFY DRAIN ELEVATIONS PRIOR TO INSTALLATION.
- FIRE RATED GWB (TYPE X) APPLIED AT THIS SIDE OF WALL
- CONTINUE T-5 INTO WALK-IN COOLER
- MTLP-9 AT FLOOR TILE TO CONC. TRANSITION
- MTLP-8 AT FLOOR TILE EDGE

FINISH LEGEND:

Room Name	
101	
Wall Finish	
Base Finish	
Floor Finish	
WALL FINISH	ACCENT WALL FINISH LOCATION
FLOOR FINISH	ACCENT FLOOR FINISH LOCATION
WALL FINISH	
BASE FINISH	ACCENT OR PARTIAL WALL AND BASE FINISH LOCATIONS



American Legion

352 Main St.
New Town, ND 58763

STRUCTURAL

ICON ARCHITECTURAL GROUP
222 EAST MAIN STREET, SUITE B
MANDAN, ND 58554
(701) 751.0430 OFFICE

MECHANICAL

PRAIRIE ENGINEERING
1905 17TH ST SE
MINOT, ND 58701
(701) 852.6363 OFFICE

ELECTRICAL

PRAIRIE ENGINEERING
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CIVIL

MOORE ENGINEERING
1411 W DAKOTA PKWY SUITE 1B
WILLISTON, ND 58801
(701) 212.3937 OFFICE

FOODSERVICE

FOODSERVICE CONCEPT DESIGN
7900 INTERNATIONAL DRIVE
SUITE 300 -7043
BLOOMINGTON, MN 55425
(612) 325.1494 OFFICE



DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

DRAWN BY: JLU/AN/BC

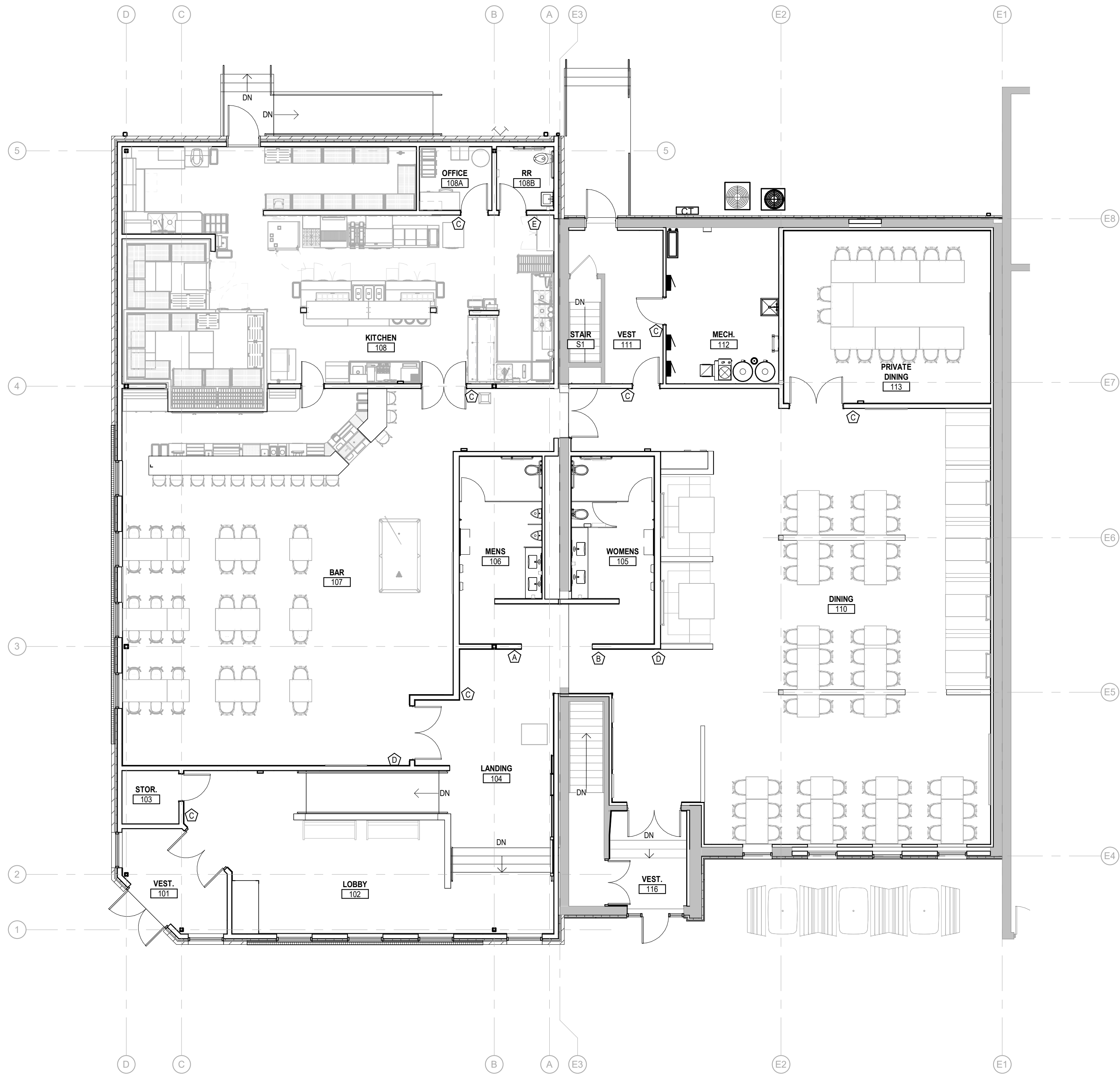
JN: 23-018

Finish Plan

SHEET

A701

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1 A801 Signage Plan
1/8" = 1'-0"



GENERAL NOTES - INTERIOR SIGNAGE

1. INSTALLATION METHODS VARY - SEE SPECIFICATIONS.
2. ALL FINAL ROOM NAMES AND NUMBERS TO BE DECIDED BY OWNER IN SHOP DRAWINGS.
3. SEE SHEET G004 FOR ALL COMMUNICATION ELEMENTS AND FEATURES INFORMATION INCLUDING MOUNTING HEIGHT REQUIREMENTS.
4. ALL FURNITURE SHOWN FOR REFERENCE ONLY; BY OWNER IN SEPARATE PACKAGE.

KEYNOTES - INTERIOR SIGNAGE

- A TYPE A - MEN'S RESTROOM
- B TYPE B - WOMEN'S RESTROOM
- C TYPE C - TYPICAL ROOM SIGNAGE
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JN: 23-018

Furniture & Signage Plan

SHEET

A801

FOODSERVICE ABBREVIATIONS			
ADJ	ADJUSTABLE	LAM	LAMINATE
AFF	ABOVE FINISHED FLOOR	LBS	POUNDS
ALT	ALTERNATE	LKR	LOOKER
ALUM	ALUMINUM	LTR	LIGHT
AMP	AMPERE	LVR	LOUVER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MAX	MAXIMUM
BLDG	BUILDING	MBTUH	1000 BTU/HOUR
BTU	BRITISH THERMAL UNIT	MC	MECHANICAL CONTRACTOR
C&P	CORO AND PLUG	MECH	MECHANICAL
CBT	CABINET	MIN	MINIMUM
CFM	CUBIC FEET PER MINUTE	MISC	MISCELLANEOUS
CL	CENTER LINE	MTD	MOUNTED
CLG	CEILING	MTL	METAL
CMU	CONCRETE MASONRY UNIT	MUL	MULLION
COL	COLUMN	NA	NOT APPLICABLE
CONN	CONNECTION	NIC	NOT IN CONTRACT
CU FT	CUBIC FEET	NO	NUMBER
CW	COLD WATER	NTS	NOT TO SCALE
DC	DROP CORD	OC	ON CENTER
DFC	DOWN FROM CEILING	OD	OUTSIDE DIAMETER
DIA	DIAMETER	OFC	OFFICE
DM	DIMENSION	OPNG	OPENING
DSP	DISPENSER	OPP	OPPOSITE
DIV	DIVISION	OPP HND	OPPOSITE HAND
DN	DOWN	PC	PLUMBING CONTRACTOR
DR	DUPLEX RECEPTACLE	PERF	PERFORATED
DTL	DETAIL	PH	PHASE
DWG	DRAWING	PLAM	PLASTIC LAMINATE
EA	EACH	PLYWD	PLYWOOD
EC	ELECTRICAL CONTRACTOR	PNL	PANEL
EL	ELEVATION	PREP	PREPARATION
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQ	EQUAL	QT	QUARRY TILE
EQPM	EQUIPMENT	QTY	QUANTITY
ETR	EXISTING TO REMAIN	RAD	RADIUS
EX	EXISTING	RCP	REFLECTED CEILING PLAN
EXH	EXHAUST	RECP	RECEPTACLE
EXT	EXTERIOR	REF	REFRIGERATOR
FD	FLOOR DRAIN	REQD	REQUIRED
FEC	FIRE EXTINGUISHER CABINET	RET	RETURN
FIN	FINISHED	RI	ROUGH-IN
FLR	FLOOR	RM	ROOM
FLSHG	FLASHING	RO	ROUGH OPENING
FLUR	FLUORESCENT	SAN	SANITARY
FR	FOURPLEX (DOUBLE DUPLEX) RECEPTACLE	SC	SPECIAL CONNECTION
FRZ	FREEZER	SCH	SCHEDULE
FT	FOOT	SHLVG	SHELVING
FW	FILTERED WATER	SHT	SHEET
GA	GALLIE	SPEC	SPECIFICATION
GAL	GALLON	SQ	SQUARE
GALV	GALVANIZED	SR	SINGLE RECEPTACLE
GC	GENERAL CONTRACTOR	SS	STAINLESS STEEL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	STD	STANDARD
GPM	GALLONS PER MINUTE	STL	STEEL
HP	HORSEPOWER	STOR	STORAGE
HVAC	HEATING, VENTILATING, & AIR CONDITIONING	STP	STATIC PRESSURE
HW	HOT WATER	SUP	SUPPLY
ID	INSIDE DIAMETER	TPP	TYPICAL
IN	INCHES	UDS	UTILITY DISTRIBUTION SYSTEM
INCL	INCLUDE	UNFN	UNFINISHED
INST	INSTALL(ATION)	UNK	UNKNOWN
INSUL	INSULATE(ION)	VAC	VACUUM
INT	INTERIOR	VERT	VERTICAL
IW	INDIRECT WASTE	W/	WITH
JAN	JANITOR	W/O	WITHOUT
JB	JUNCTION BOX	WC	WATER CLOSET
JBH	HORIZONTAL/CEILIN-MOUNTED JUNCTION BOX	WH	WATER HEATER
JBW	WALL-MOUNTED JUNCTION BOX	WL	WALL
JC	JANITOR CLOSET	WP	WEATHER PROOF
KTN	KITCHEN	WT	WEIGHT
KW	KILOWATT HOUR		

- FOODSERVICE PLUMBING REQUIREMENTS
1. FOODSERVICE EQUIPMENT PLANS INCLUDE PLUMBING ROUGH-INS & CONNECTION POINTS FOR FOODSERVICE EQUIPMENT (SECTION 11 40 00). ADDITIONAL PLUMBING ROUGH-INS & CONNECTION POINTS MAY BE INCLUDED IN THE PLUMBING PLANS (DIVISION 22) & ARE NOT INCLUDED IN THE FOODSERVICE EQUIPMENT PLANS.

2. FOODSERVICE EQUIPMENT PLANS INCLUDE FLOOR DRAINS, FLOOR SINKS, & FLOOR TROUGHS FOR FOODSERVICE EQUIPMENT (SECTION 11 40 00). ADDITIONAL DRAINS & TROUGHS MAY BE INCLUDED IN THE PLUMBING PLANS (DIVISION 22) & ARE NOT INCLUDED IN THE FOODSERVICE EQUIPMENT PLANS.

3. ALL DIMENSIONS SHOWN ON FOODSERVICE EQUIPMENT PLANS ARE SHOWN FROM FINISHED WALLS, COLUMN CENTERS, GRID LINES, & FINISHED FLOORS TO THE CENTER OF THE ROUGH-IN LOCATIONS. ACCURATE LAYOUT IS CRITICAL FOR PREVENTING REWORK & SCHEDULE DELAYS.

4. PLUMBING ROUGH-INS, INTERCONNECTIONS, & FINAL CONNECTIONS FOR ALL FOODSERVICE EQUIPMENT SHALL BE FURNISHED & INSTALLED BY THE DIVISION 22 CONTRACTOR IN ACCORDANCE WITH NATIONAL, STATE, & LOCAL BUILDING CODES.

5. THE GENERAL WATER PRESSURE IN THE KITCHEN AREA IS NOT TO EXCEED 50 PSI. ALL PRESSURE REDUCING VALVES, FLOW CONTROLS, BACKFLOW PREVENTION DEVICES, REDUCED PRESSURE ZONE VALVES, WATER HAMMER ARRESTORS, & GATE VALVES REQUIRED FOR FOODSERVICE EQUIPMENT CONNECTIONS SHALL BE FURNISHED & INSTALLED BY THE DIVISIONS 22 CONTRACTOR IN ACCORDANCE WITH NATIONAL, STATE, & LOCAL BUILDING CODES.

6. BOOSTER HEATER(S) & DISH/MACHINE(S) REQUIRE A REDUCED FLOW PRESSURE THAT IS TYPICALLY BETWEEN 20 & 25 PSI. REFERENCE THE MANUFACTURER'S REQUIREMENTS.

7. REQUIRED VACUUM BREAKERS SHALL BE A MINIMUM OF SIX (6) INCHES ABOVE THE FLOOD LEVEL RIM WITH NO SHUT-OFF DEVICES BEYOND THE VACUUM BREAKER DISCHARGE.

8. FLOOR DRAINS & FLOOR SINKS FOR FOODSERVICE EQUIPMENT SHALL BE FURNISHED & INSTALLED BY THE DIVISION 22 CONTRACTOR IN ACCORDANCE WITH NATIONAL, STATE, & LOCAL BUILDING CODES. DO NOT INSTALL INDIRECT WASTES UNDER EQUIPMENT LEGS OR CASTERS.

9. ALL PLUMBING LINES SHALL BE CONCEALED WITHIN WALLS, CEILINGS, & FLOORS UNLESS OTHERWISE SPECIFIED. ALL EXPOSED PIPING & FITTINGS IN THE KITCHEN AREA SHALL BE STAINLESS STEEL, CHROME PLATED, HARD COPPER, &/OR ENCLOSED IN A STAINLESS STEEL CHASE.

10. ALL PLUMBING SUPPLY & DRAIN LINES SHALL BE INSTALLED TIGHT AGAINST THE UNDERSIDE OF THE EQUIPMENT TO ALLOW SPACE FOR CLEANING.

11. GREASE TRAP/INTERCEPTOR(S) SHALL BE FURNISHED & INSTALLED BY THE DIVISION 22 CONTRACTOR IN ACCORDANCE WITH NATIONAL, STATE, & LOCAL BUILDING CODES WHEN REQUIRED. GREASE TRAP/INTERCEPTOR(S) SHALL BE LOCATED OUTSIDE THE BUILDING WHERE POSSIBLE OR BELOW OR FLUSH WITH THE FLOOR. ALL PIPING & PLUMBING COMPONENTS REQUIRED TO CONNECT FOODSERVICE EQUIPMENT DRAINS TO THE GREASE TRAP/INTERCEPTOR(S) IN ACCORDANCE WITH NATIONAL, STATE, & LOCAL BUILDING CODES SHALL BE FURNISHED & INSTALLED BY THE DIVISION 22 CONTRACTOR.

12. FAUCETS, BASKET WASTES, TWIST/LEVER WASTES, GAS HOSES, VACUUM BREAKERS, & SAFETY REGULATORS FOR FOODSERVICE EQUIPMENT (SECTION 11 40 00) SHALL BE FURNISHED BY THE FOODSERVICE EQUIPMENT CONTRACTOR (FSEC) AS SPECIFIED & INSTALLED BY THE DIVISION 22 WITH THE NECESSARY PLUMBING COMPONENTS, & FITTINGS TO MAKE INTERCONNECTIONS & FINAL CONNECTIONS, INCLUDING COMPONENTS NOT SHOWN ON THE FOODSERVICE EQUIPMENT PLANS & SHIPPED LOOSE.

13. THE GENERAL GAS PRESSURE IN THE KITCHEN AREA IS TO BE VERIFIED BY THE DIVISION 22 CONTRACTOR. THE DIVISION CONTRACTOR SHALL INSTALL ALL PRESSURE REGULATOR(S) FURNISHED BY THE FOODSERVICE EQUIPMENT CONTRACTOR (FSEC) WHEN SHIPPED LOOSE WITH FOODSERVICE EQUIPMENT. THE PLUMBING CONTRACTOR (PC) SHALL FURNISH & INSTALL GAS PRESSURE REDUCING VALVE(S) FOR ALL FOODSERVICE EQUIPMENT REQUIRED TO ENSURE THE INCOMING GAS PRESSURE AT CONNECTION POINTS MEETS THE MANUFACTURER'S REQUIREMENTS.

14. THE DIVISION 22 CONTRACTOR SHALL FURNISH & INSTALL A GAS SHUT-OFF VALVE AT EACH FOODSERVICE EQUIPMENT GAS CONNECTION POINT.

15. GAS SHUT-OFF VALVE(S) SHALL BE FURNISHED BY THE FIRE PROTECTION CONTRACTOR & INSTALLED BY THE PLUMBING CONTRACTOR AS REQUIRED FOR THE FIRE PROTECTION SYSTEM IN ACCORDANCE WITH NFPA-96 & NATIONAL, STATE, & LOCAL BUILDING CODES.

16. THE DIVISION 22 CONTRACTOR SHALL FURNISH & INSTALL ALL STEAM & CONDENSATE PIPING INCLUDING REQUIRED PRESSURE REDUCING VALVE(S), STEAM TRAP(S), SAFETY VALVE(S), SHUT-OFF VALVE(S), & STRAINERS PER THE MANUFACTURER'S REQUIREMENTS & NATIONAL, STATE & LOCAL BUILDING CODES.

- FOODSERVICE HEALTH CODE REQUIREMENTS
1. ALL FOODSERVICE EQUIPMENT & THE INSTALLATION OF ALL FOODSERVICE EQUIPMENT SHALL FULLY COMPLY WITH THE REQUIREMENTS OF NATIONAL, STATE, & LOCAL BUILDING CODES, THE RULES & REGULATIONS OF THE AHJ, & BE MANUFACTURED IN STRICT COMPLIANCE WITH &, IF APPLICABLE, BEAR THE SEAL OF NSF, UL, ETL, ASME, NEMA, NFPA, &/OR ADA.

2. CEILING & WALL SURFACES ADJACENT TO OR ABOVE FOOD PREPARATION AREAS, INCLUDING THE KITCHEN, WAREWASHING, & SERVING AREAS, SHALL BE SMOOTH, EASILY CLEANABLE, & LIGHT IN COLOR. MATERIALS THAT TO NOT FULLY COMPLY WITH THIS REQUIREMENT SHOULD BE SUBMITTED TO THE LOCAL AHJ FOR APPROVAL. CEILING TILES MUST BE NON-POROUS & NON-FISSURED PANELS. A CORROSION RESISTANT CEILING GRID & SUSPENSION SYSTEM IS RECOMMENDED.

3. FLOORS IN FOOD PREPARATION, FOOD STORAGE, WAREWASHING, & JANITORIAL AREAS SHALL FULLY COMPLY WITH THE REQUIREMENTS OF NATIONAL, STATE, & LOCAL BUILDING CODES, & THE RULES & REGULATIONS OF THE AHJ. A COVERED BASE SHALL BE FURNISHED & INSTALLED WHERE REQUIRED. A TILE FLOOR WITH WATERPROOF MEMBRANE IN KITCHEN & RELATED WET AREAS IS RECOMMENDED. TILE SHALL BE SLIP RESISTANT PER ASTM C1028 (STATIC COEFFICIENT OF THE FRICTION OF 1.0 OR GREATER). WALL BASES SHALL BE AT LEAST 6" HIGH.

4. BASES, INTEGRAL WITH FLOOR SHALL HAVE COVERED CORNERS. GROUTING FOR TILE FLOORS SHALL BE EPOXY TYPE. IN AREAS WHERE TILE CAN NOT BE INSTALLED BECAUSE OF STRUCTURAL RESTRICTIONS, PROVIDE INDUSTRIAL VINYLE FLOORING ("PROTECT-ALL" BY OSCODA PLASTICS) FOR COMMERCIAL KITCHEN APPLICATION. REFER TO ARCHITECTURAL DOCUMENTS FOR SPECIFIC REQUIREMENTS.

5. LIGHTING IN FOOD PREPARATION, FOOD STORAGE, WAREWASHING, & JANITORIAL AREAS SHALL FULLY COMPLY WITH THE REQUIREMENTS OF NATIONAL, STATE, & LOCAL BUILDING CODES, & THE RULES & REGULATIONS OF THE AHJ. LIGHTING AT ALL WORK SURFACES IN FOOD PREPARATION & WAREWASHING AREAS SHALL BE A MINIMUM OF 70 FOOT-CANDELS. LIGHTING IN COLD STORAGE ROOMS SHALL BE A MINIMUM OF 20 FOOT-CANDELS.

6. LIGHTING IN FOODSERVICE EQUIPMENT & OVER WORK SURFACES SHALL HAVE LAMP GUARDS OR SLEEVES, OR THE BULBS SHALL HAVE AN APPROVED SHATTER RESISTANT COATING.

7. BACKSPASHES ON FOODSERVICE EQUIPMENT THAT IS FIXED AGAINST WALLS SHALL BE NEATLY SEALED TO THE WALL(S) & FULLY COMPLY WITH THE REQUIREMENTS OF THE NATIONAL SANITATION FOUNDATION (NSF). PAINTERS TAPE SHALL BE USED TO ENSURE A CONSISTENT & SMOOTH EDGE.

8. SPACES BETWEEN FOODSERVICE EQUIPMENT THAT IS FIXED-IN-PLACE & ADJACENT SURFACES, INCLUDING WALLS, CEILINGS, & FLOORS, SHALL BE COMPLETELY SEALED AGAINST THE ENTRANCE OF FOOD PARTICLES & VERMIN WITH STAINLESS STEEL TRIM &/OR SEALANT & FULLY COMPLY WITH THE REQUIREMENTS OF THE NATIONAL SANITATION FOUNDATION (NSF).

9. THE FOOD SERVICE EQUIPMENT CONTRACTOR SHALL FURNISH & DIVISION 22 SHALL INSTALL STAINLESS STEEL & SINKS COMPLETE WITH REGULAR MIXING CONTROLS, UNLESS SPECIFIED OTHERWISE. SOAP & TOWEL DISPENSERS AT ALL & SINK LOCATIONS TO BE FURNISHED & INSTALLED BY OWNER, UNLESS SPECIFIED OTHERWISE.

10. ALL INDIRECT WASTE PIPING TO FLOOR SINKS SHALL TERMINATE A MINIMUM OF ONE (1) PIPE DIAMETER ABOVE SINK.

11. ALL DISH & GLASS WASHERS SHALL BE FURNISHED WITH A REMOTE SEALED SYSTEM, HOT WATER BOOSTER DELIVERING 180 DEGREE HOT WATER TO MACHINES UNLESS SPECIFIED OTHERWISE.

12. ALL STATIONARY EQUIPMENT ON FLOOR SHALL HAVE A MINIMUM OF 6" HIGH STAINLESS STEEL LEGS WITH ADJUSTABLE SANITARY FEET, UNLESS SPECIFIED OTHERWISE.

13. FIRE SUPPRESSION SYSTEMS SHALL BE ENGINEERED, SIZED & INSTALLED IN ACCORDANCE WITH U.L., NFPA & LOCAL BUILDING CODES.

14. THE KITCHEN SHALL BE DESIGNED FOR A MAX. AVERAGE AMBIENT TEMPERATURE OF 85°F. CAFETERIA SERVING AREAS SHOULD BE DESIGNED FOR A MAX. 75°F & 55% RH.

- FOODSERVICE GENERAL REQUIREMENTS
1. FOODSERVICE EQUIPMENT PLANS ARE FOR REFERENCE ONLY TO ASSIST THE LICENSED GENERAL CONTRACTOR (GC) & OTHER TRADES IN THEIR WORK. THE OWNER IS RESPONSIBLE FOR ADDITIONAL SUBMITTALS REQUIRED BY THE LOCAL AUTHORITIES HAVING JURISDICTION (AHJ). THE FOODSERVICE EQUIPMENT PLANS ARE NOT INTENDED TO BE COMPLETE CONSTRUCTION PLANS.

2. ALL TRADES SHALL VERIFY THE REQUIREMENTS OF THE NATIONAL, STATE & LOCAL BUILDING CODES PRIOR TO INSTALLING.

3. THE GENERAL CONTRACTOR (GC) SHALL FURNISH & INSTALL WALL BLOCKING WHERE REINFORCEMENT IS REQUIRED. LENGTHS OF WALL BLOCKING SHOWN ON THE FOODSERVICE EQUIPMENT PLANS ARE NOMINAL & SHALL EXTEND TO THE NEXT STUD IN EACH DIRECTION.

4. THE GENERAL CONTRACTOR (GC) SHALL FURNISH & INSTALL REINFORCEMENT ABOVE THE FINISHED CEILING FOR HANGING FOODSERVICE EQUIPMENT CONTRACTOR (FSEC) (SECTION 11 40 00).

5. THE GENERAL CONTRACTOR (GC) SHALL FURNISH & INSTALL DEDICATED CIRCUITS FOR FOODSERVICE EQUIPMENT WHERE REQUIRED.

6. THE GENERAL CONTRACTOR (GC) SHALL FURNISH & INSTALL STRUCTURAL SUPPORT FOR ROOFTOP EQUIPMENT WHERE REQUIRED. THE GENERAL CONTRACTOR (GC) SHALL COORDINATE WITH THE ARCHITECT AND ENGINEER TO VERIFY THE STRUCTURAL CALCULATIONS FOR ROOF LOADS.

7. THE FOODSERVICE EQUIPMENT CONTRACTOR (FSEC) SHALL NOTIFY THE DESIGNER OF ANY CHANGES TO THE FOODSERVICE EQUIPMENT PLANS & COORDINATE WITH THE GENERAL CONTRACTOR (GC) & OTHER TRADES.

8. THE FOODSERVICE EQUIPMENT CONTRACTOR (FSEC) SHALL VERIFY ALL EQUIPMENT SIZES & FIELD VERIFY THE LOCATIONS & REQUIREMENTS OF ROUGH-INS IN THE EVENT OF CHANGES TO THE FOODSERVICE EQUIPMENT PLANS.

- FOODSERVICE ELECTRICAL REQUIREMENTS
1. FOODSERVICE EQUIPMENT PLANS INCLUDE ELECTRICAL ROUGH-INS & CONNECTION POINTS FOR FOODSERVICE EQUIPMENT (SECTION 11 40 00). ADDITIONAL ROUGH-INS & CONNECTION POINTS MAY BE INCLUDED IN THE ELECTRICAL PLANS (DIVISION 26), TELECOMMUNICATION PLANS (DIVISION 27), &/OR FIRE ALARM PLANS (DIVISION 28) & ARE NOT INCLUDED IN THE FOODSERVICE EQUIPMENT PLANS.

2. ALL DIMENSIONS SHOWN ON FOODSERVICE EQUIPMENT PLANS ARE SHOWN FROM FINISHED WALLS, COLUMN CENTERS, GRID LINES, & FINISHED FLOORS TO THE CENTER OF THE ROUGH-IN LOCATIONS. ACCURATE LAYOUT IS CRITICAL FOR PREVENTING REWORK & SCHEDULE DELAYS.

3. ELECTRICAL ROUGH-INS, INTERCONNECTIONS, & FINAL CONNECTIONS FOR ALL FOODSERVICE EQUIPMENT SHALL BE FURNISHED & INSTALLED BY THE DIVISION 26 CONTRATOR IN ACCORDANCE WITH NATIONAL, STATE, & LOCAL BUILDING CODES.

4. THE DIVISION 26 CONTRACTOR SHALL FURNISH & INSTALL DEDICATED CIRCUITS FOR FOODSERVICE EQUIPMENT WHERE REQUIRED.

5. THE DIVISION 26 CONTRACTOR SHALL FURNISH & INSTALL ALL ELECTRICAL COMPONENTS REQUIRED TO MAKE FINAL CONNECTIONS IN ACCORDANCE WITH NATIONAL, STATE, & LOCAL BUILDING CODES; INCLUDING COMPONENTS NOT SHOWN ON THE FOODSERVICE EQUIPMENT PLANS & SHIPPED LOOSE.

6. ALL ELECTRICAL CONDUIT SHALL BE CONCEALED WITHIN WALLS, CEILINGS, & FLOORS WHERE POSSIBLE.

7. THE DIVISION 26 CONTRACTOR SHALL FURNISH & INSTALL PROPER GFCI PROTECTION WHERE REQUIRED. TYPE-B IS RECOMMENDED.

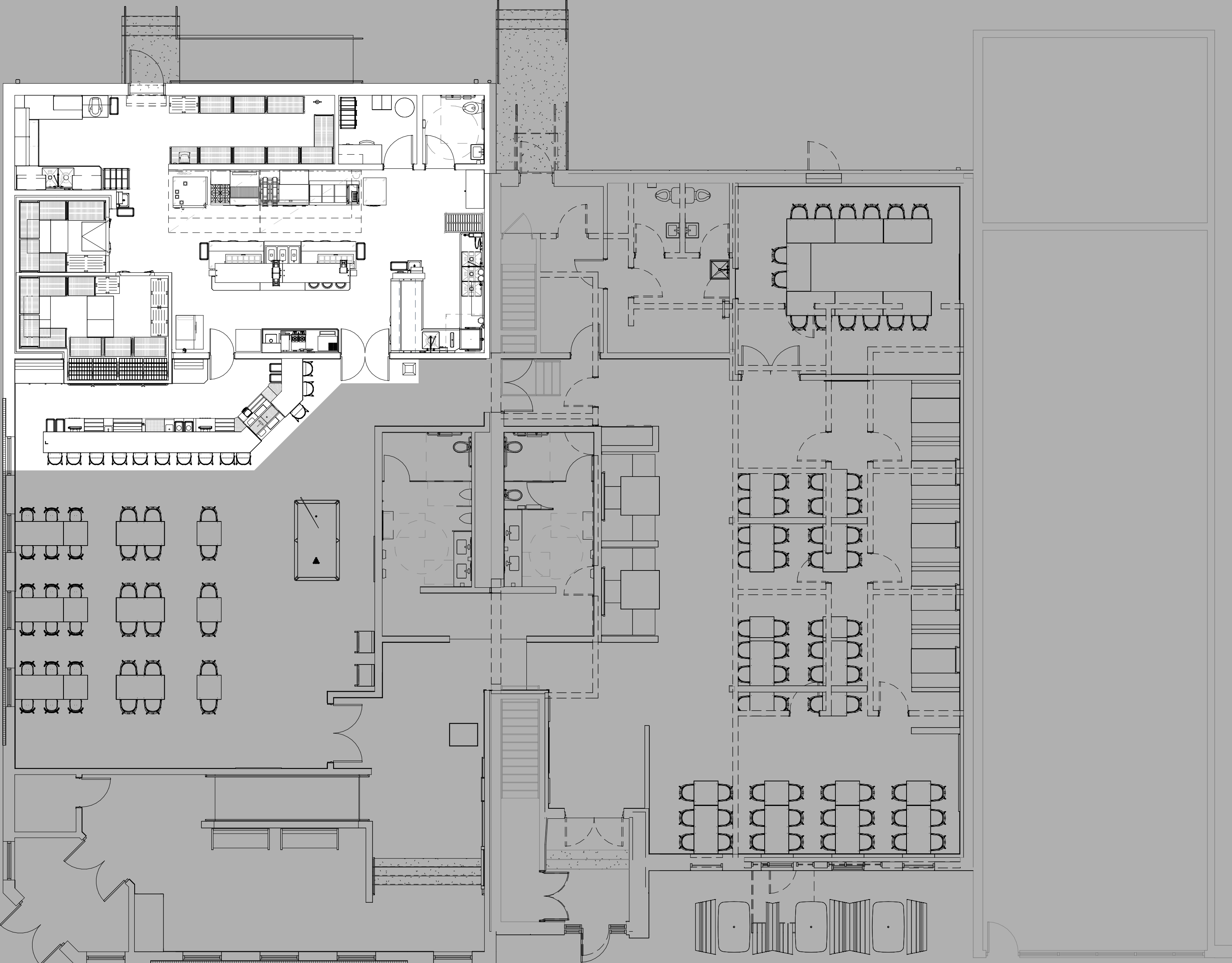
8. THE DIVISION 26 CONTRACTOR SHALL FURNISH & INSTALL ALL REQUIRED CORD & PLUG SETS THAT ARE NOT INCLUDED IN THE FOODSERVICE EQUIPMENT SPECIFICATIONS (SECTION 11 40 00).

- FOODSERVICE VENTILATION REQUIREMENTS
1. ALL SPECIFIED KITCHEN EXHAUST HOODS SHALL BE FURNISHED BY FSEC & INSTALLED BY THE DIVISION 23 CONTRACTOR. THE FSEC SHALL PROVIDE STAMPED ENGINEERED DRAWINGS FOR THE HOODS IF REQUIRED.

2. ALL SPECIFIED KITCHEN EXHAUST AND SUPPLY FANS, CURBS, AND DUCTWORK SHALL BE FURNISHED AND INSTALLED BY THE DIVISION 23 CONTRACTOR.

3. ALL KITCHEN EXHAUST AND SUPPLY SYSTEM(S) SHALL BE TESTED AND BALANCED BY THE TESTING AND BALANCING (TAB) CONTRACTOR OR THE DIVISION 23 CONTRACTOR.

4. THE SPECIFIED FIRE SUPPRESSION SYSTEM(S) FOR KITCHEN EXHAUST HOOD(S) SHALL BE FURNISHED AND INSTALLED BY THE FSEC.



1 FOODSERVICE EQUIPMENT PLAN - OVERALL
1/8" = 1'-0"

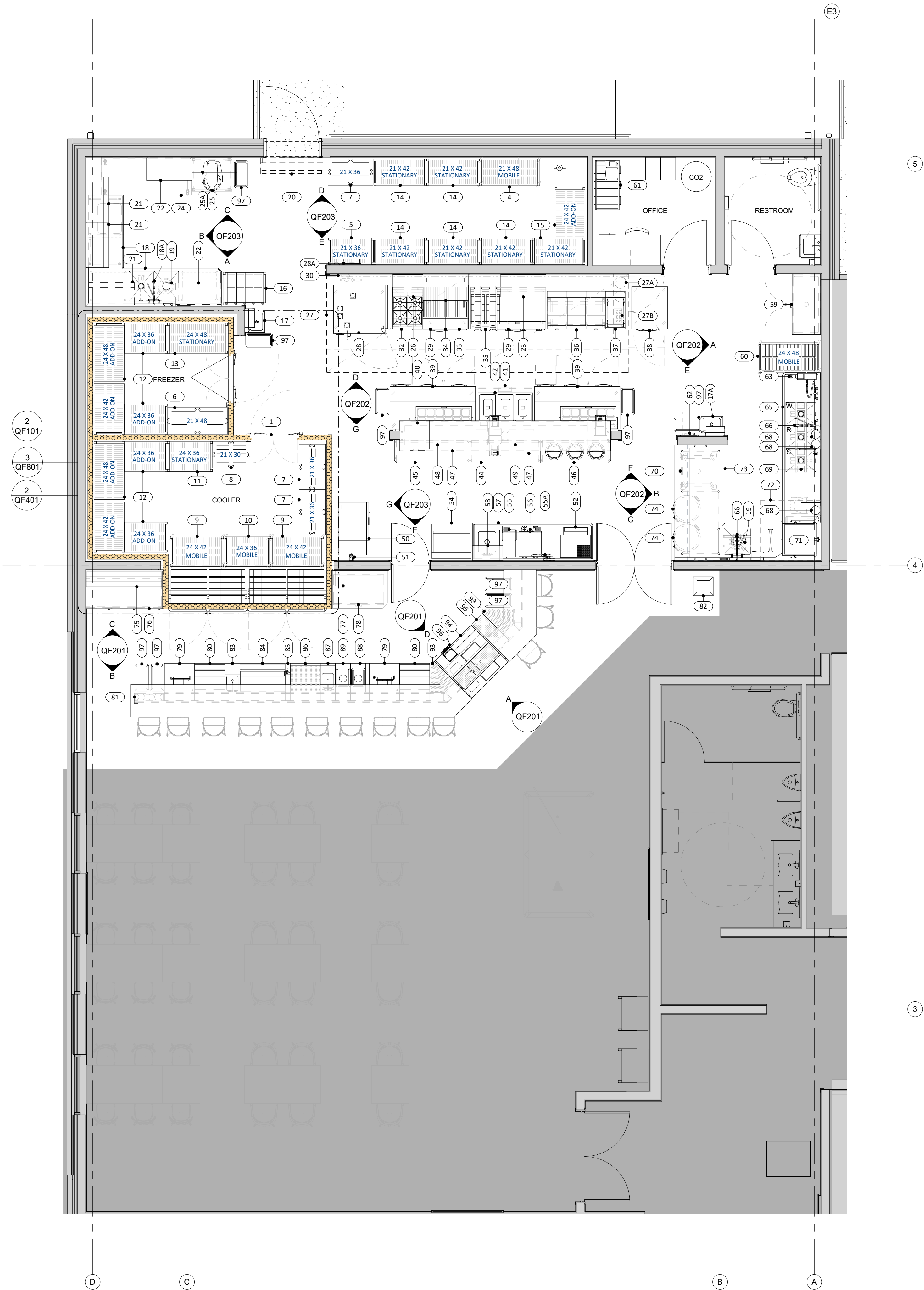
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NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

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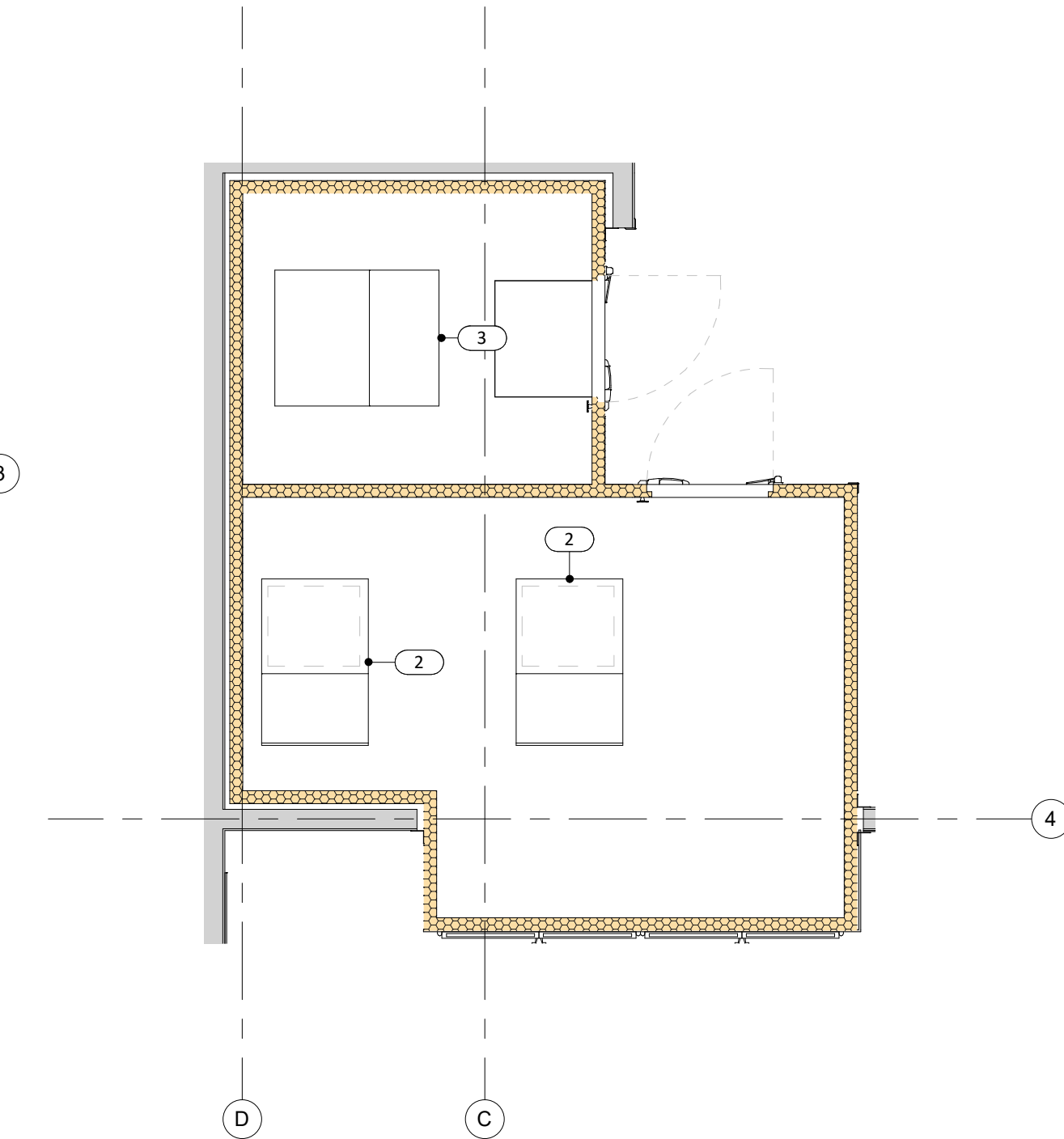
**FOODSERVICE EQUIPMENT
TITLE SHEET**

SHEET
QF001

Autodesk Docs: 025-018 American Legion - New Town, ND/American Legion Post 290 - FS Equip Plan_Q203.vit 8/12/2023 3:44:59 PM



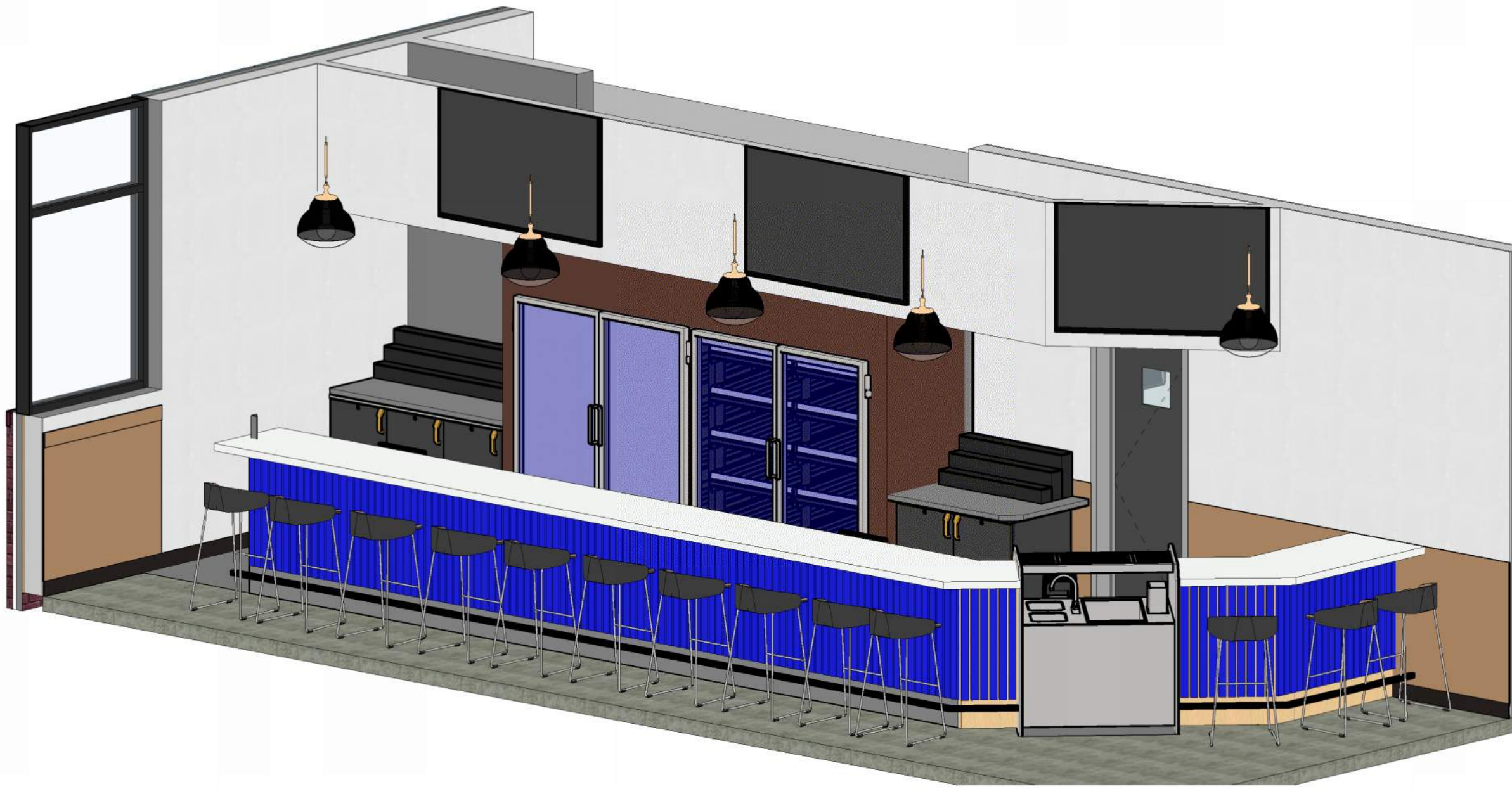
1 FOODSERVICE EQUIPMENT PLAN
1/4" = 1'-0"



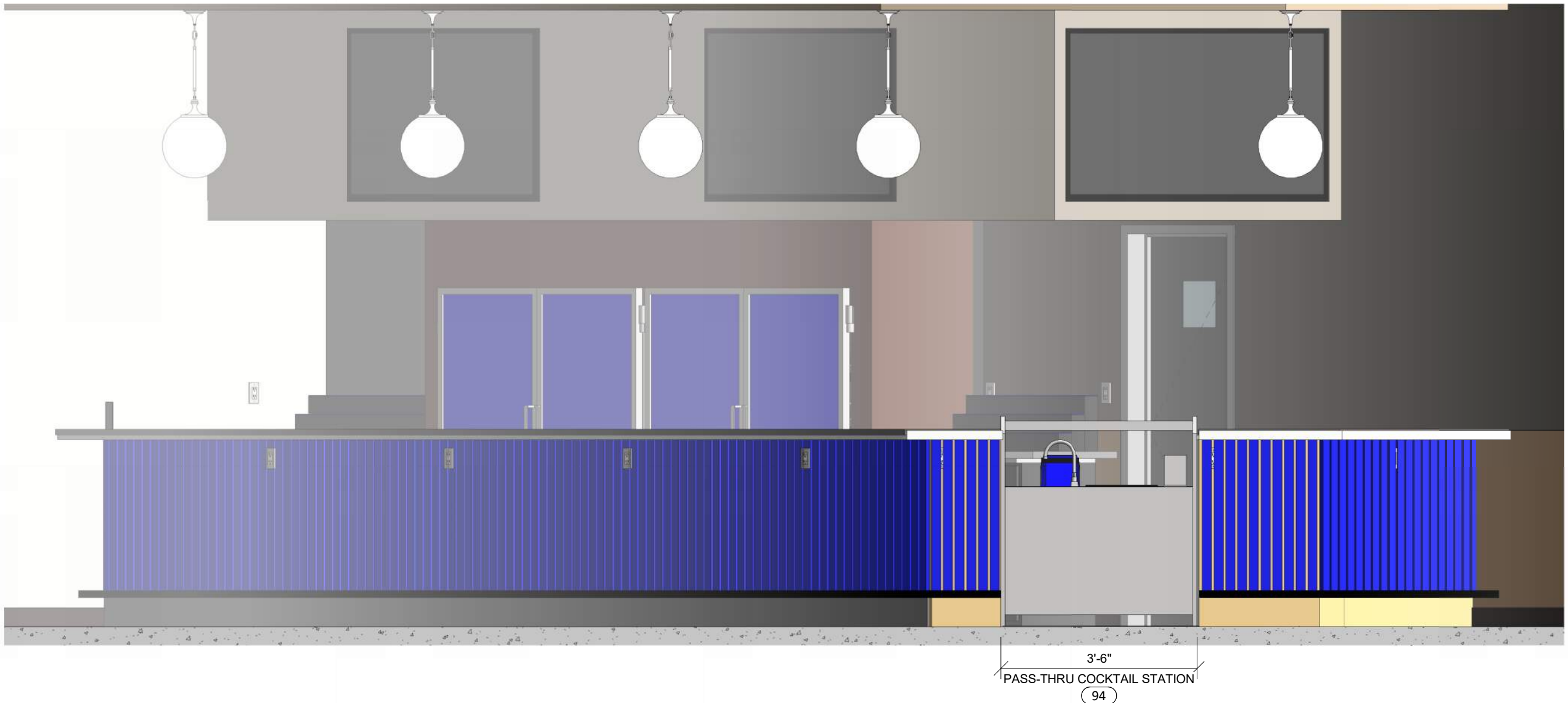
2 FOODSERVICE EQUIPMENT PLAN - T.O. WALK-IN 1
1/4" = 1'-0"

- EQUIPMENT NOTES**
1. THE FOODSERVICE EQUIPMENT PLANS ARE FOR REFERENCE ONLY TO ASSIST THE LICENSED GENERAL CONTRACTOR (GC) & OTHER TRADES IN THEIR WORK. THE OWNER IS RESPONSIBLE FOR ADDITIONAL SUBMITTALS REQUIRED BY THE LOCAL AUTHORITIES HAVING JURISDICTION (LAHS). THE FOODSERVICE EQUIPMENT PLANS ARE NOT INTENDED TO BE COMPLETE CONSTRUCTION PLANS.
 2. ALL TRADES SHALL VERIFY THE REQUIREMENTS OF THE NATIONAL, STATE AND LOCAL BUILDING CODES PRIOR TO INSTALLING.
 3. THE GC SHALL FURNISH & INSTALL REINFORCEMENT ABOVE THE FINISHED CEILING FOR HANGING FSEC FURNISHED EQUIPMENT INCLUDING KITCHEN EXHAUST HOODS. THE GC SHALL COORDINATE THE EXACT SIZE & REQUIREMENTS WITH FSEC & CORRESPONDING MANUFACTURER SHOP DRAWINGS.
 4. GC FIRE-RATED SHAFTS WHERE REQUIRED FOR KITCHEN EXHAUST DUCTS IN ACCORDANCE WITH NATIONAL, STATE, & LOCAL BUILDING CODES.
 5. GC SHALL FURNISH & INSTALL STRUCTURAL SUPPORT FOR ROOFTOP EQUIPMENT WHERE REQUIRED. GC SHALL COORDINATE WITH THE ARCHITECT & ENGINEER TO VERIFY THE STRUCTURAL CALCULATIONS FOR ROOF LOADS.
 6. THE FSEC SHALL NOTIFY THE DESIGNER OF CHANGES TO THE FOODSERVICE EQUIPMENT PLANS & COORDINATE WITH GC & OTHER TRADES.
 7. FSEC SHALL VERIFY ALL EQUIPMENT SIZES & FIELD VERIFY THE LOCATIONS & REQUIREMENTS OF ROUGH-INS IN THE EVENT OF CHANGES TO FOODSERVICE EQUIPMENT PLANS.

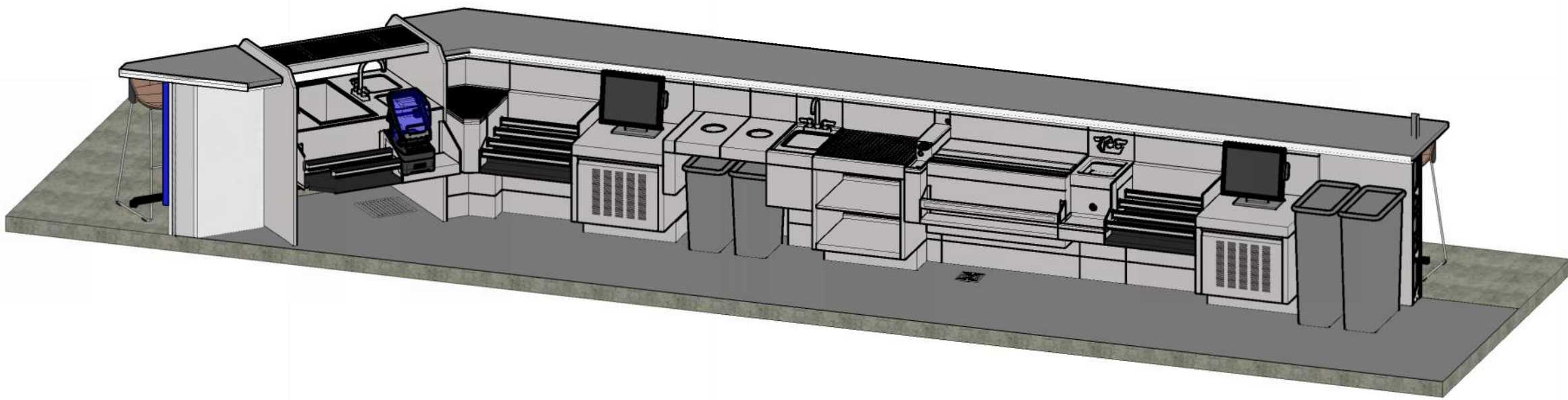
FOODSERVICE EQUIPMENT SCHEDULE					
ITEM NO.	QTY.	DESCRIPTION	STATUS	FURNISHED BY	INSTALLED BY
1	1	WALK-IN COMBINATION COOLER FREEZER	NEW	FSEC	FSEC
2	2	COOLER REFRIGERATOR SYSTEM	NEW	FSEC	FSEC
3	1	FREEZER REFRIGERATION SYSTEM	NEW	FSEC	FSEC
4	1	48" X 21" X 75"H, 5-TIER MOBILE SHELVING UNIT	NEW	FSEC	FSEC
5	1	36" X 21" X 84"H, 4-TIER SHELVING UNIT	NEW	FSEC	FSEC
6	1	48" X 21" DUNNAGE RACK	NEW	FSEC	FSEC
7	3	36" X 21" DUNNAGE RACK	NEW	FSEC	FSEC
8	1	30" X 21" DUNNAGE RACK	NEW	FSEC	FSEC
9	2	42" X 24" X 78"H, 5-TIER MOBILE SHELVING UNIT	NEW	FSEC	FSEC
10	1	36" X 24" X 78"H, 5-TIER MOBILE SHELVING UNIT	NEW	FSEC	FSEC
11	1	36" X 24" X 84"H, 5-TIER SHELVING UNIT	NEW	FSEC	FSEC
12	2	58" X 88" X 48" X 84" 5-TIER L-SHAPED SHELVING UNIT	NEW	FSEC	FSEC
13	1	48" X 24" X 84"H, 5-TIER SHELVING UNIT	NEW	FSEC	FSEC
14	5	42" X 21" X 84"H, 5-TIER SHELVING UNIT	NEW	FSEC	FSEC
15	1	42" X 63" X 84"H 5-TIER L-SHAPED SHELVING UNIT	NEW	FSEC	FSEC
16	1	CAN RACK	NEW	FSEC	FSEC
17	1	HAND SINK WITH SIDE SPLASH & KNEE VALVE APRON	NEW	FSEC	DIV. 22
17A	1	HAND SINK WITH KNEE VALVE APRON	NEW	FSEC	DIV. 22
18	1	108" X 88" L-SHAPED WORKTABLE WITH PREP SINKS	NEW	FSEC	FSEC
18A	1	PREP PRE-RINSE FAUCET ASSEMBLY WITH ADD-ON FAUCET & ULTRARINSE	NEW	FSEC	DIV. 22
19	2	2 HP DISPOSER	NEW	FSEC	FSEC
20	1	42" AIR CURTAIN	NEW	FSEC	FSEC
21	3	36" X 18" 3-TIER WALL SHELF	NEW	FSEC	FSEC
22	2	36" X 18" WALL GRID SHELF	NEW	FSEC	FSEC
23	1	36" X 18" WALL SHELF	NEW	FSEC	FSEC
24	1	60" X 30" MOBILE WORK TABLE	NEW	FSEC	FSEC
25	1	20 QT PLANETARY MIXER WITH MOBILE STAND	NEW	FSEC	FSEC
25A	1	36" X 12" MIXER WALL SHELF	NEW	FSEC	FSEC
26	1	24" X 18" WALL SHELF	NEW	FSEC	FSEC
27	1	228" X 60" EXHAUST HOOD WITH SUPPLY PLENUM	NEW	FSEC	DIV. 23
27A	1	FIRE SUPPRESSION SYSTEM	NEW	FSEC	FSEC
27B	1	VARIABLE VOLUME HOOD CONTROL	NEW	FSEC	DIV. 23
27C	1	UPBLAST EXHAUST FAN (NOT SHOWN)	NEW	DIV. 23	DIV. 23
27D	1	MAKE-UP AIR UNIT (NOT SHOWN)	NEW	DIV. 23	DIV. 23
28	1	COMBI OVEN WITH STAND	NEW	FSEC	FSEC
28A	1	WATER SOFTENER SYSTEM FOR COMBI OVEN	NEW	FSEC	DIV. 22
29	2	60" REFRIGERATED EQUIPMENT STAND	NEW	FSEC	FSEC
30	1	COMBI WATER FILTRATION SYSTEM	NEW	FSEC	DIV. 22
31		SPARE NUMBER			
32	1	24" 4-BURNER COUNTERTOP HOT PLATE WITH STEP-UP REAR	NEW	FSEC	FSEC
33	1	36" COUNTERTOP CHARBROILER	NEW	FSEC	FSEC
34	1	36" WALL MOUNTED SALAMANDER BROILER	NEW	FSEC	FSEC
35	1	60" COUNTERTOP GRIDDLE WITH 2 CLAMSHELLS	NEW	FSEC	FSEC
36	1	TRIPLE FRYER BATTERY WITH BUILT-IN FILTRATION	NEW	FSEC	FSEC
37	1	FRY DUMP STATION WITH WARMER	NEW	FSEC	FSEC
38	1	1-SEC. REACH-IN FREEZER WITH 1 DOOR & 2 DRAWERS	NEW	FSEC	FSEC
39	2	68" SANDWICH REFRIGERATED PREP TABLE	NEW	FSEC	FSEC
40	1	2200W MICROWAVE OVEN	NEW	FSEC	FSEC
41	1	48" X 36" OPEN FRONT WORKTABLE CABINET BASE	NEW	FSEC	FSEC
42	1	3-WELL HOT FOOD DROP-IN UNIT	NEW	FSEC	FSEC
43		SPARE NUMBER			
44	1	60" X 18" DISH CABINET	NEW	FSEC	FSEC
45	1	60" X 18" DISH CABINET	NEW	FSEC	FSEC
46	1	60" X 18" DISH CABINET WITH SOUP WELLS	NEW	FSEC	FSEC
47	2	84" X 24" PASS-THRU SHELF WITH PRINTER SHELVES	NEW	FSEC	FSEC
48	1	60" DUAL HEAT LAMP WITH LIGHTS	NEW	FSEC	FSEC
49	1	60" DUAL HEAT LAMP WITH LIGHTS	NEW	FSEC	FSEC
50	1	582LB ICE MACHINE WITH 42" BIN	NEW	FSEC	FSEC
51	1	ICE MACHINE WATER FILTRATION SYSTEM	NEW	FSEC	FSEC
52	1	WALL MOUNTED LETTUCE CRISPER	NEW	FSEC	FSEC
53		SPARE NUMBER			
54	1	SODA DISPENSER, IN-COUNTER	NEW	BY VENDOR	BY VENDOR
55	1	ICED TEA BREWER	NEW	FSEC	FSEC
55A	1	TEA & COFFEE BREWER WATER FILTRATION SYSTEM	NEW	FSEC	FSEC
56	1	DUAL COFFEE BREWER	NEW	FSEC	FSEC
57	1	96" X 30" BEVERAGE COUNTER	NEW	FSEC	FSEC
58	1	24" X 12" WALL SHELF	NEW	FSEC	FSEC
59	1	MOP SINK CABINET	NEW	FSEC	FSEC
60	1	48" X 24" MOBILE DRYING RACK	NEW	FSEC	FSEC
61	1	BAG-IN-BOX SYSTEM	NEW	OTHER	OTHER
62	1	RECESSED EYE WASH STATION	NEW	FSEC	DIV. 22
63	1	HOSE REEL	NEW	FSEC	DIV. 22
64		SPARE NUMBER			
65	1	120" X 30" 3-COMP CLEAN DISHTABLE	NEW	FSEC	FSEC
66	2	WAREWASHING PRE-RINSE WITH ADD ON FAUCET	NEW	FSEC	DIV. 22
67		SPARE NUMBER			
68	3	DETERGENT DISPENSER	NEW	OTHER	OTHER
69	1	42" SLANTED SORTING SHELF	NEW	FSEC	FSEC
70	1	MOBILE SOAK SINK	NEW	FSEC	FSEC
71	1	DOOR TYPE DISHWASHER	NEW	FSEC	FSEC
72	1	48" X 48" CONDENSATE HOOD	NEW	FSEC	DIV. 23
72A	1	CONDENSATE FAN (NOT SHOWN)	NEW	DIV. 23	DIV. 23
73	1	92" X 84" L-SHAPED SOILED DISHTABLE	NEW	FSEC	FSEC
74	2	BRUTE TRASH CAN	NEW	OTHER	OTHER
75	1	60" LIQUOR BOTTLE DISPLAY	NEW	FSEC	FSEC
76	1	60" BACK BAR DRY STORAGE	NEW	FSEC	FSEC
77	1	36" LIQUOR BOTTLE DISPLAY	NEW	FSEC	FSEC
78	1	40" BACK BAR DRY STORAGE	NEW	FSEC	FSEC
79	2	24" UNDERBAR POS WORK CENTER	NEW	FSEC	FSEC
80	2	24" UNDERBAR BOTTLE STORAGE	NEW	FSEC	FSEC
81	28	MODULAR BAR DIE WALL	NEW	FSEC	FSEC
82	1	MINI JETSTAR POPCORN POPPER	NEW	FSEC	FSEC
83	1	12" UNDERBAR BLENDER STATION	NEW	FSEC	FSEC
84	1	36" UNDERBAR ICE BIN	NEW	FSEC	FSEC
85	1	4" UNDERBAR SODA CHASE	NEW	FSEC	FSEC
86	1	24" UNDERBAR DRAINBOARD	NEW	FSEC	FSEC
87	1	12" UNDERBAR HAND SINK	NEW	FSEC	FSEC
88	1	15" UNDERBAR WASTE BIN - RIGHT	NEW	FSEC	FSEC
89	1	15" UNDERBAR WASTE BIN - LEFT	NEW	FSEC	FSEC
90-92		SPARE NUMBER			
93	2	45 DEGREE UNDERBAR DRAINBOARD	NEW	FSEC	FSEC
94	1	42" PASS-THRU COCKTAIL STATION	NEW	FSEC	FSEC
95	1	12" UNDERBAR DRAINBOARD	NEW	FSEC	FSEC
96	1	64 OZ. BAR DRINK BLENDER	NEW	FSEC	FSEC
97	9	SLIM JIM TRASH CAN	NEW	OWNER	OWNER



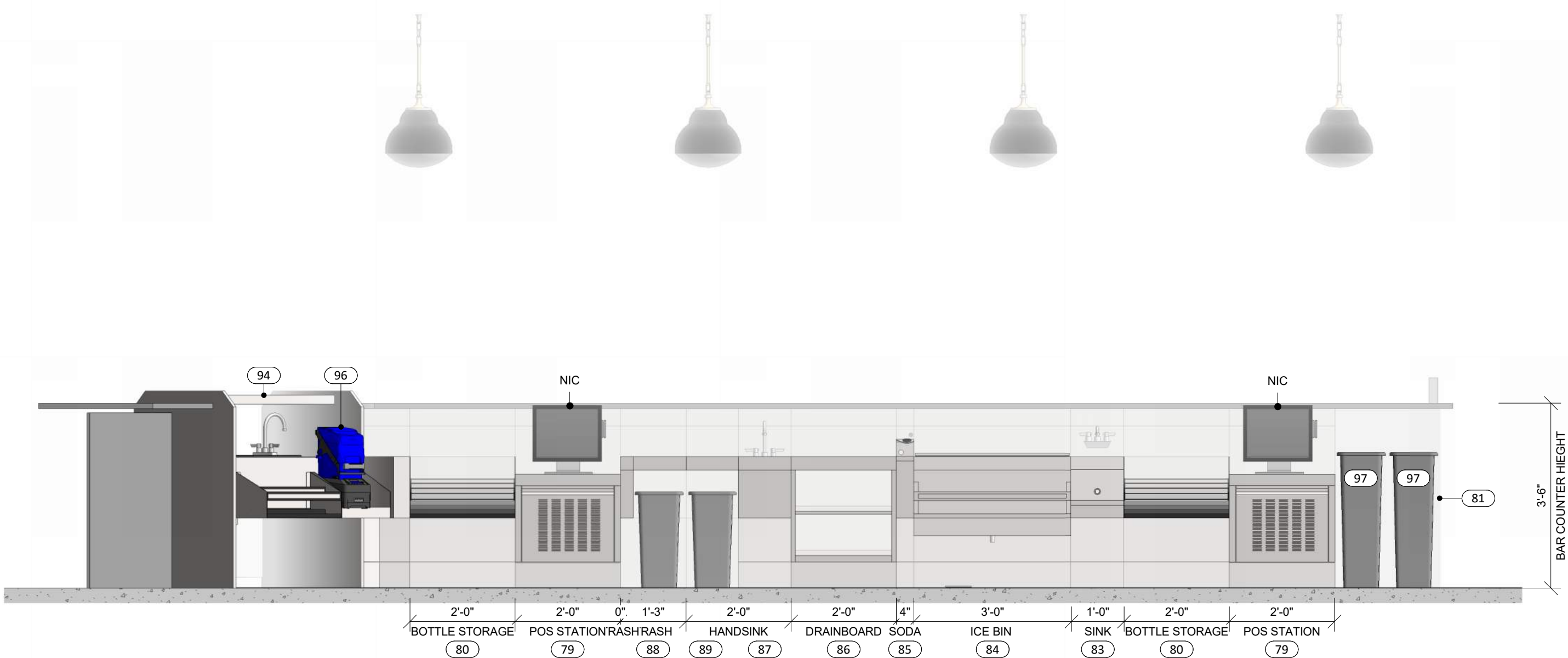
1 CUSTOMER SIDE BAR AXON VIEW
NTS



A CUSTOMER SIDE BAR ELEVATION
1/2" = 1'-0"



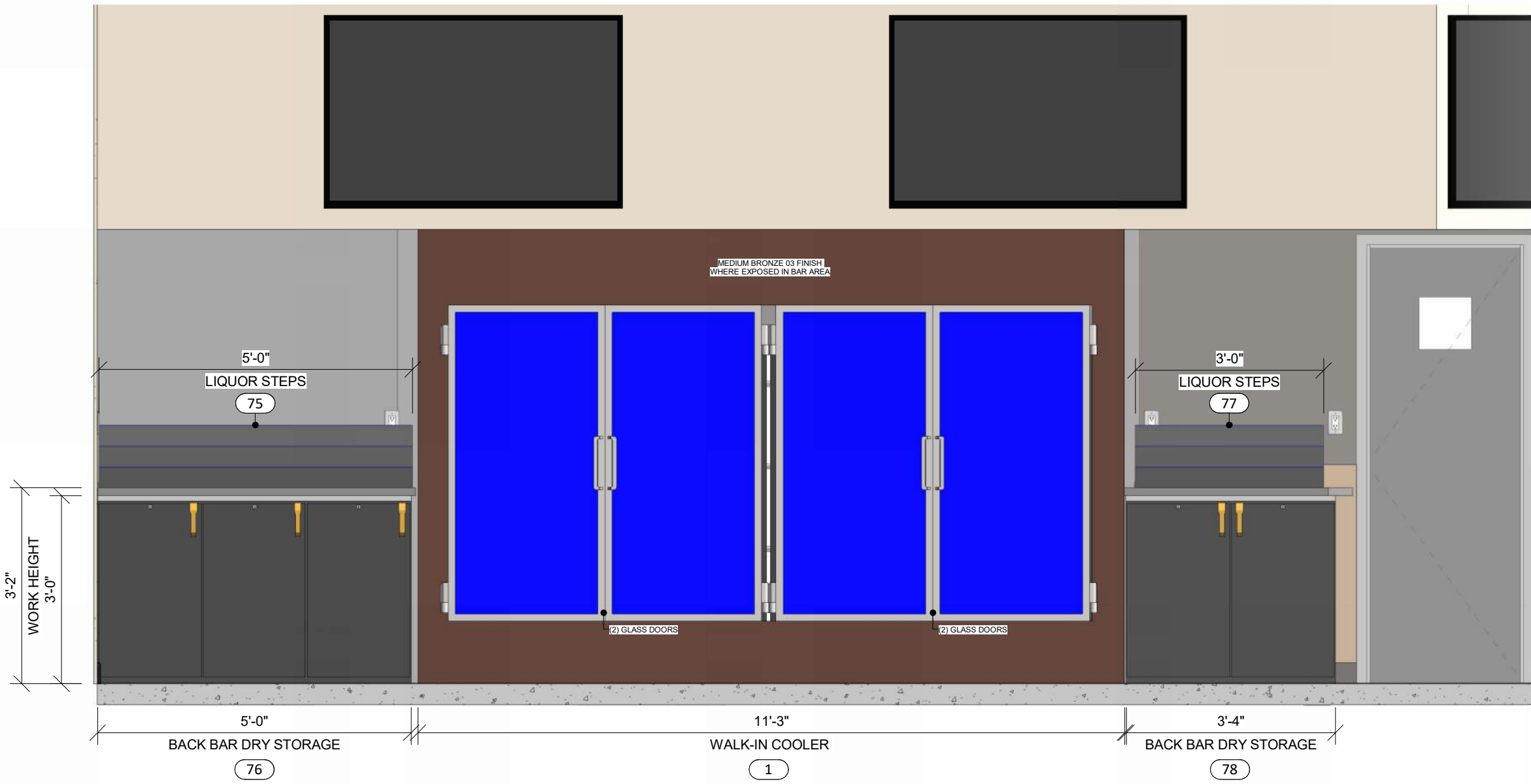
2 OPERATOR SIDE BAR AXON VIEW
NTS



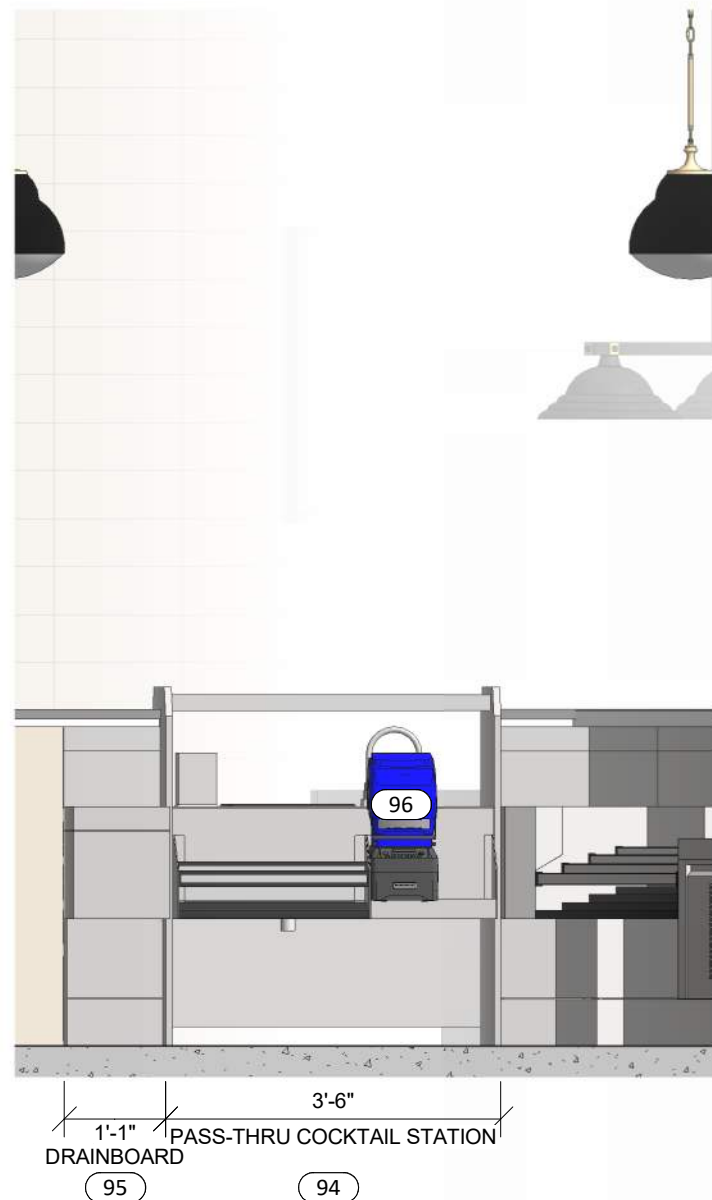
B OPERATOR SIDE BAR ELEVATION
1/2" = 1'-0"



3 BAR - BACK BAR
NTS



C BACK BAR ELEVATION
1/2" = 1'-0"



D BACK BAR ELEVATION - PASS THRU
1/2" = 1'-0"



American Legion
Post 290

352 Main St.
New Town, ND 58763

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MANDAN, ND 58504
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1905 17TH ST SE
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(701) 852.6363 OFFICE

ELECTRICAL

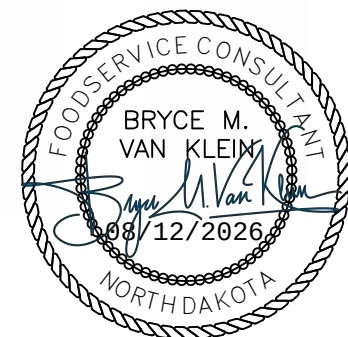
PRAIRIE ENGINEERING
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CIVIL

MOORE ENGINEERING
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FOODSERVICE

FOODSERVICE CONCEPT DESIGN
7900 INTERNATIONAL DRIVE
SUITE 300 -7043
BLOOMINGTON, MN 55425
(612) 325.1494 OFFICE



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NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

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FOODSERVICE EQUIPMENT
ELEVATIONS - BAR

SHEET



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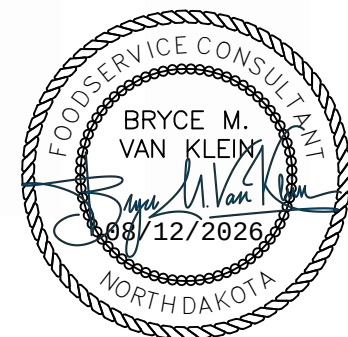
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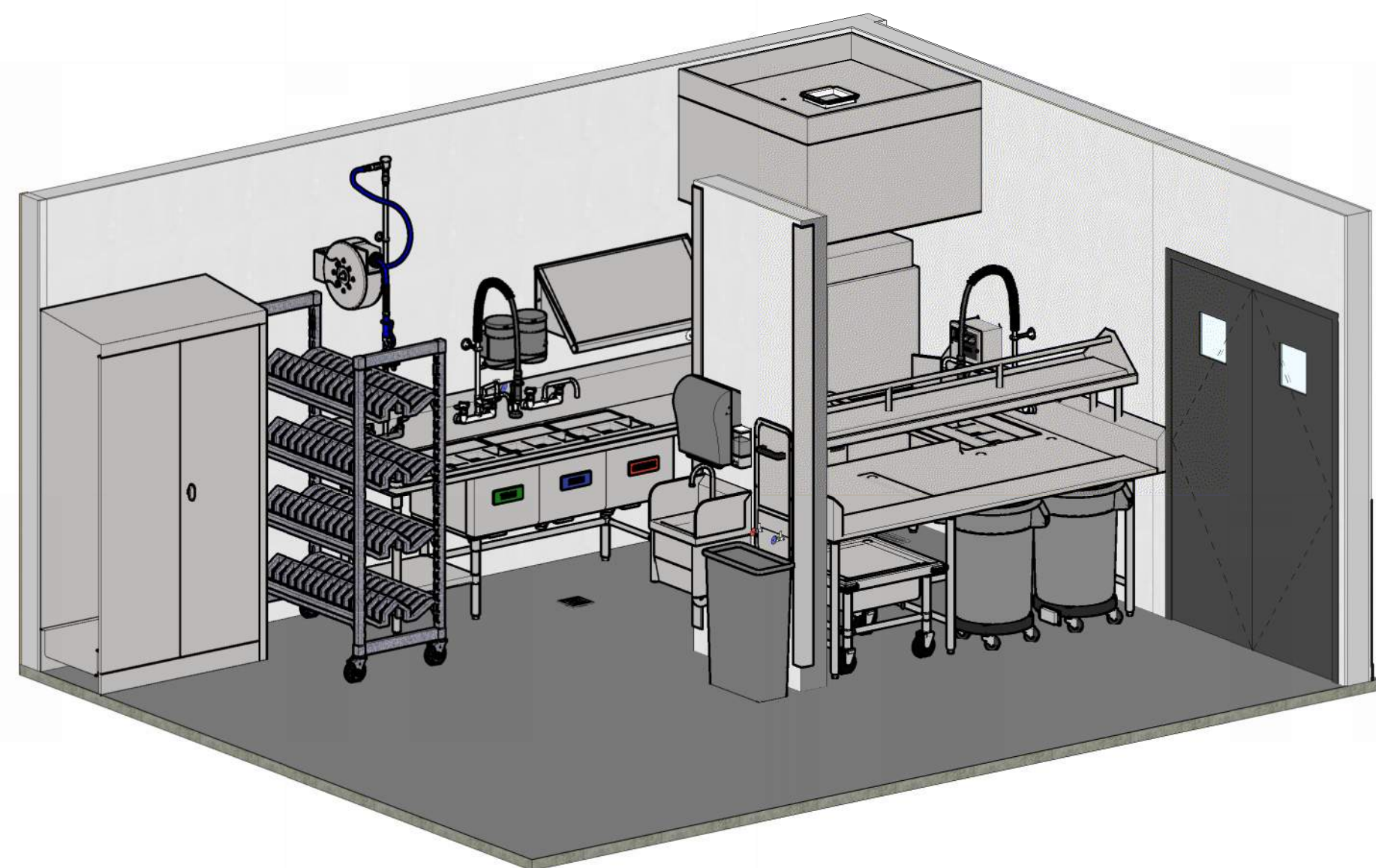
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JN: 23-018

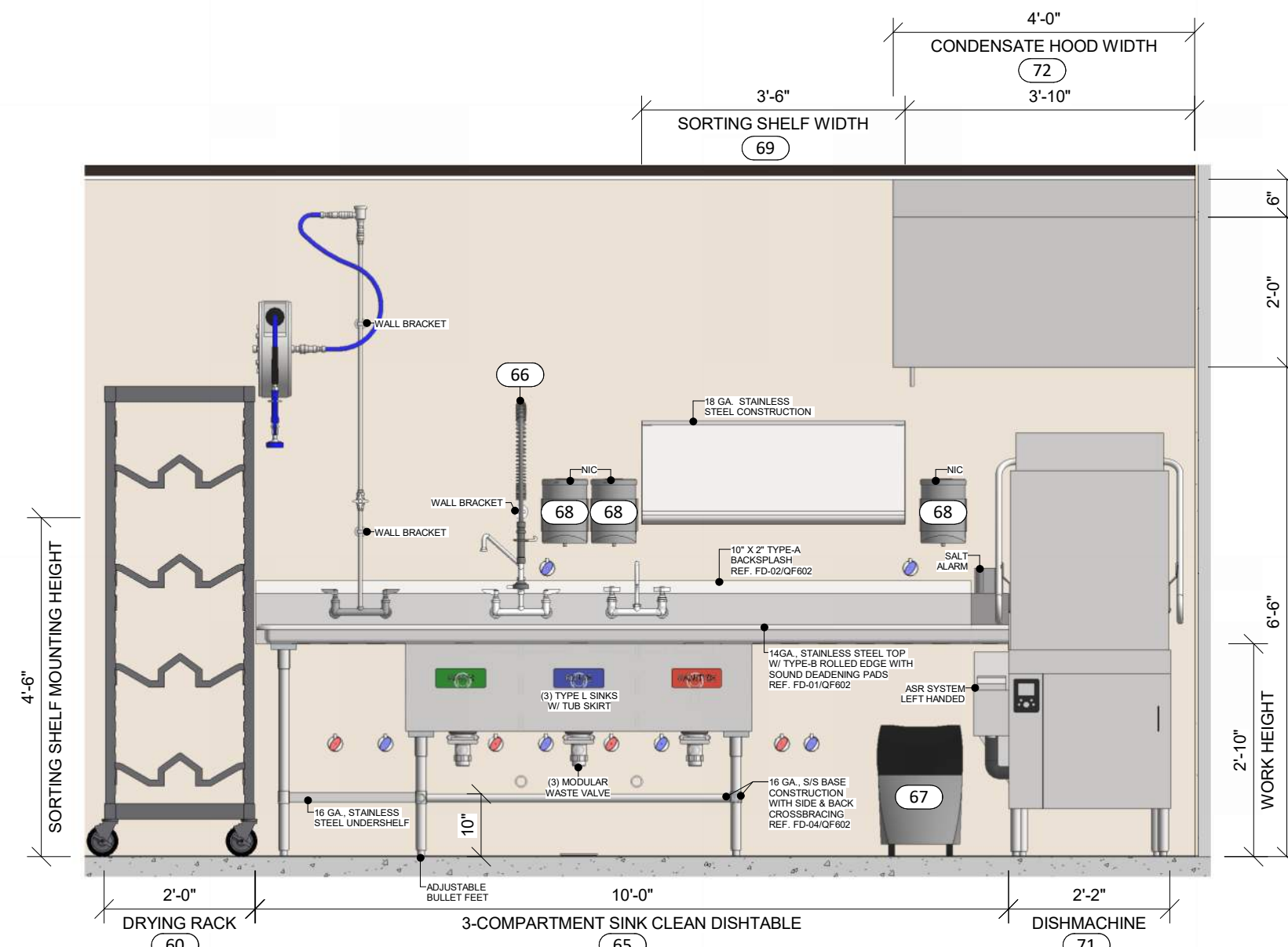
**FOODSERVICE EQUIPMENT
ELEVATIONS**

SHEET

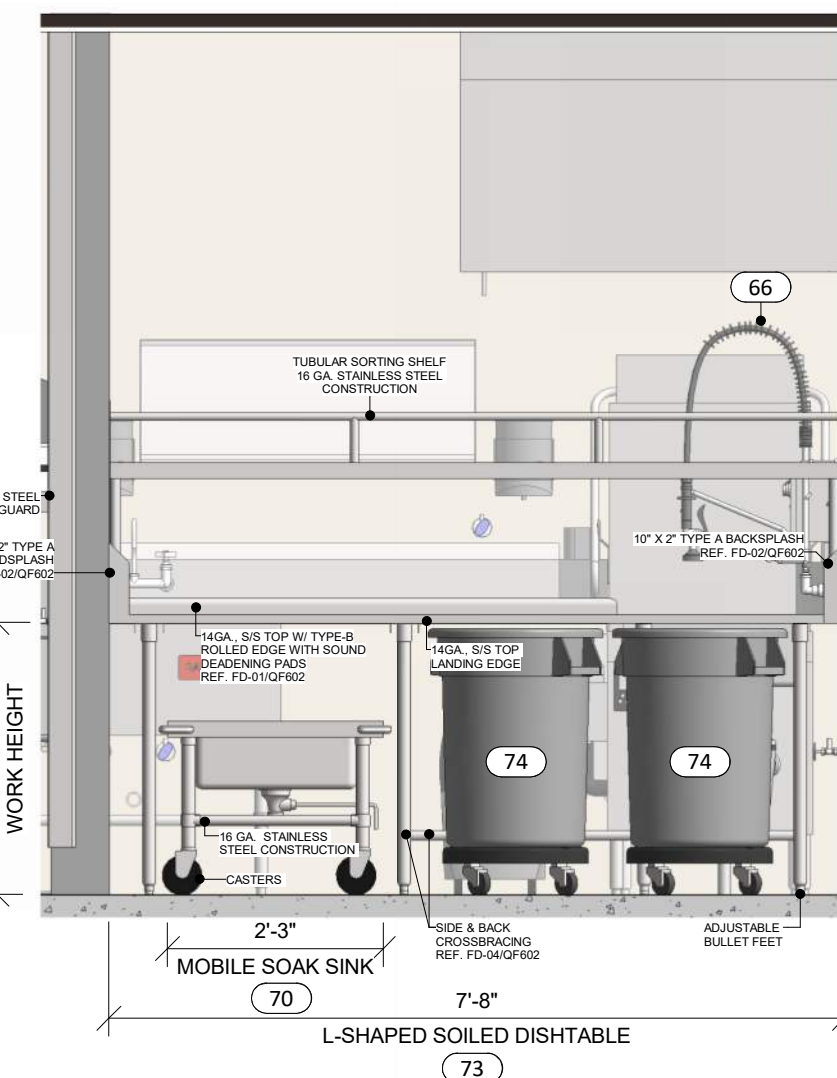
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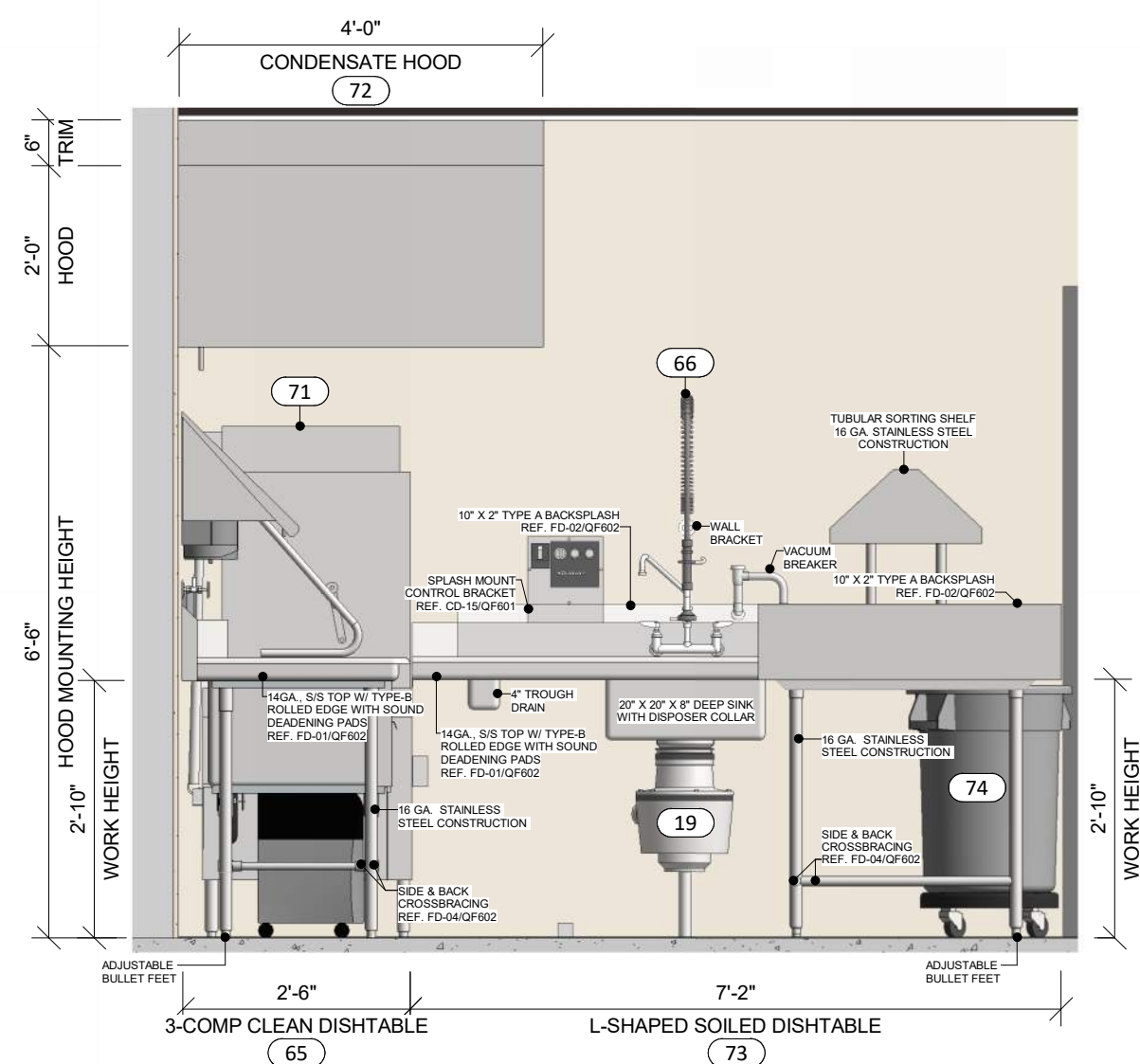
① WAREWASHING AXON VIEW
NTS



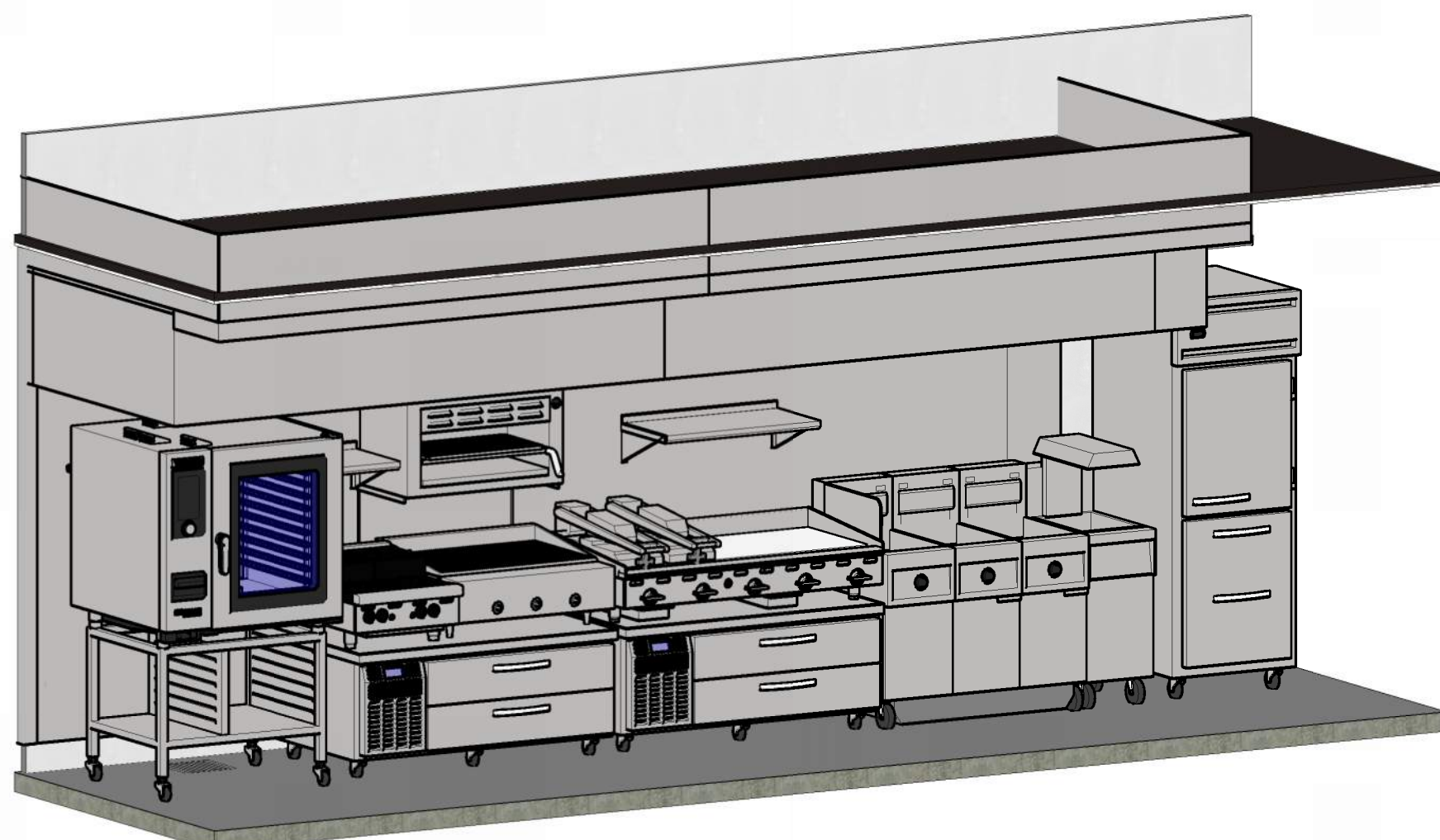
② CLEAN SIDE WAREWASHING ELEVATION
1/2" = 1'-0"



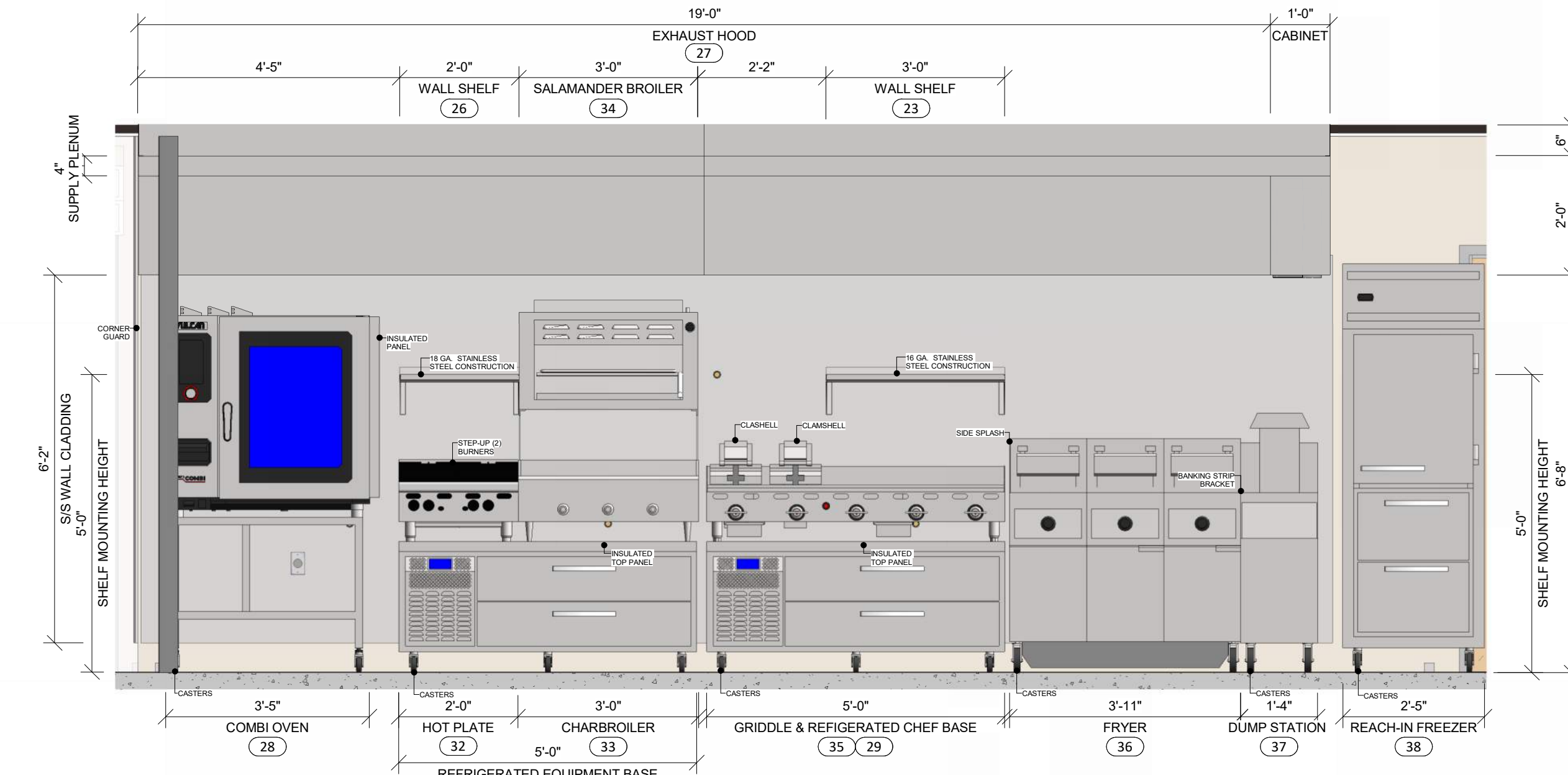
③ WAREWASH LANDING ELEVATION
1/2" = 1'-0"



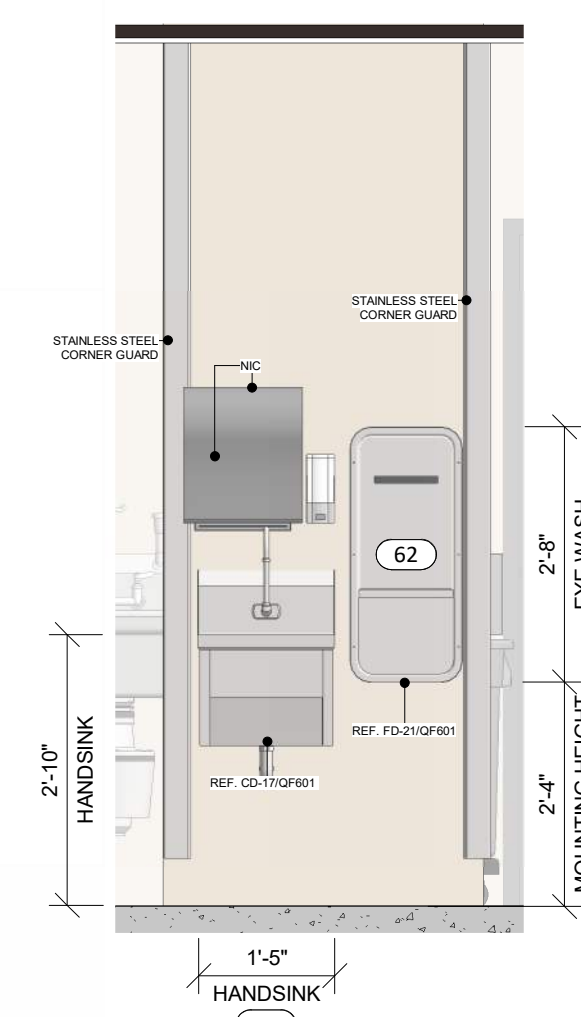
④ WAREWASHING SOILED DISH AREA ELEVATION
1/2" = 1'-0"



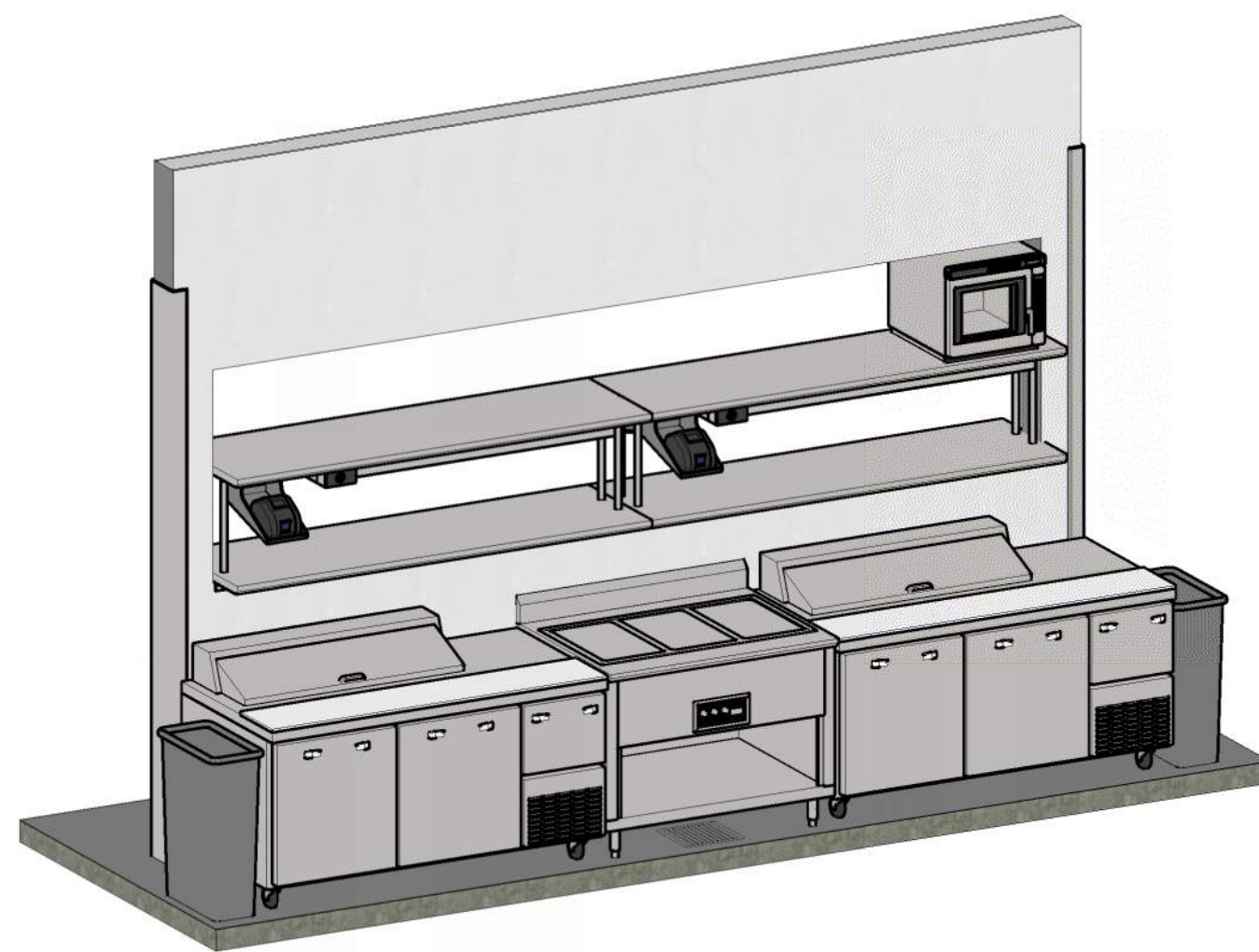
⑤ COOKLINE AXON VIEW
NTS



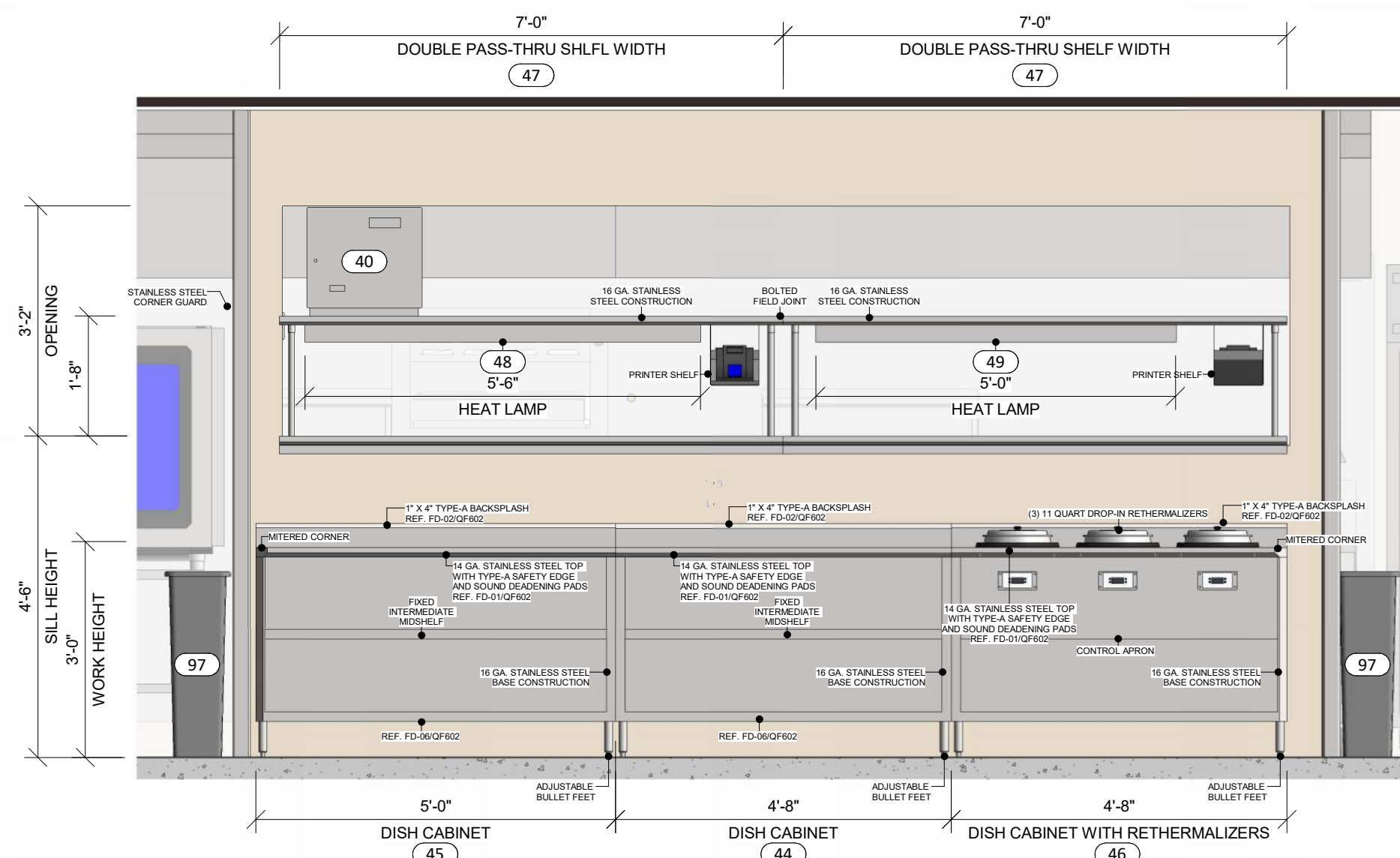
⑥ COOK LINE ELEVATION
1/2" = 1'-0"



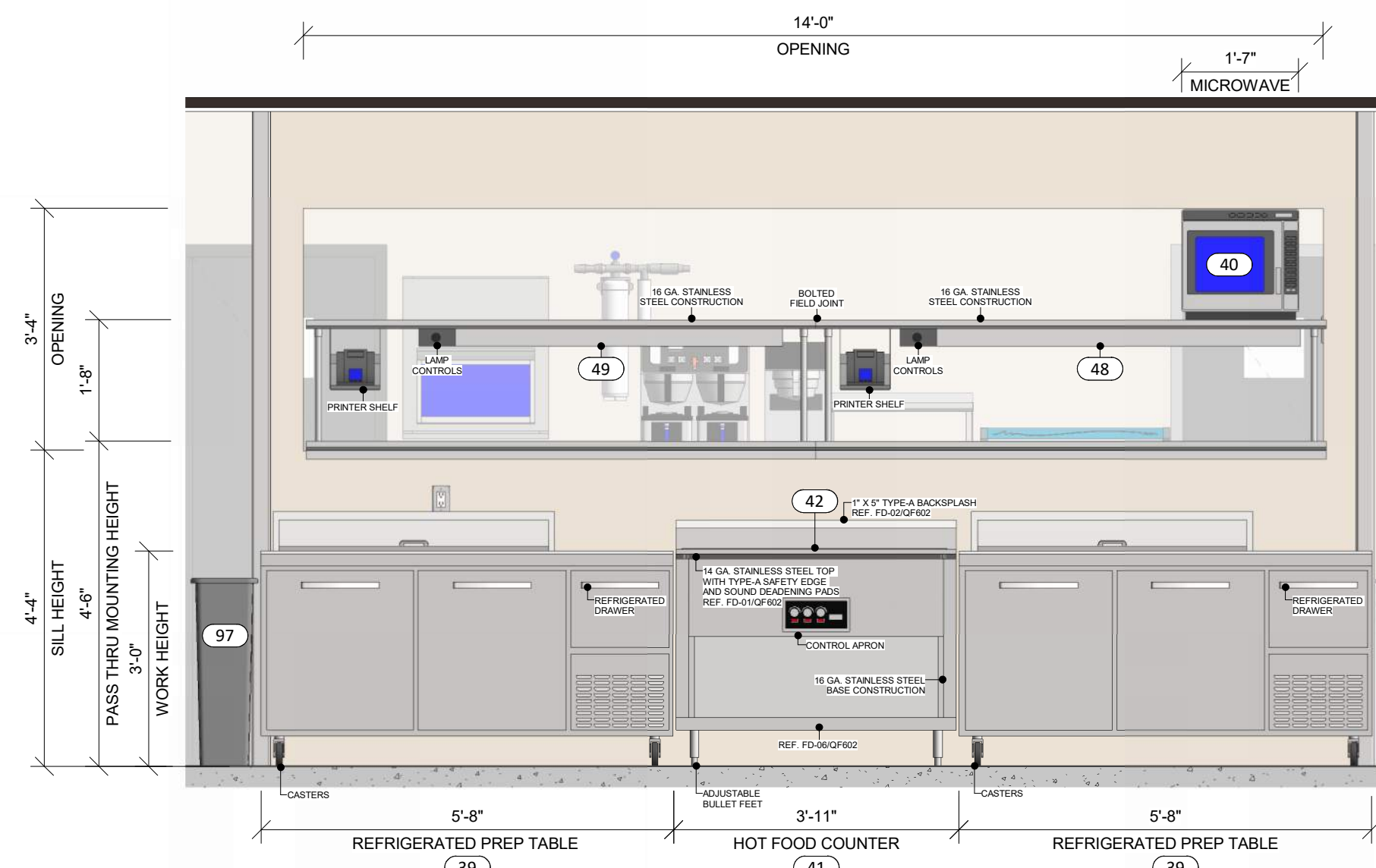
⑦ WAREWASH ELEVATION
1/2" = 1'-0"



⑧ MAKE LINE - COOK SIDE AXON VIEW
NTS

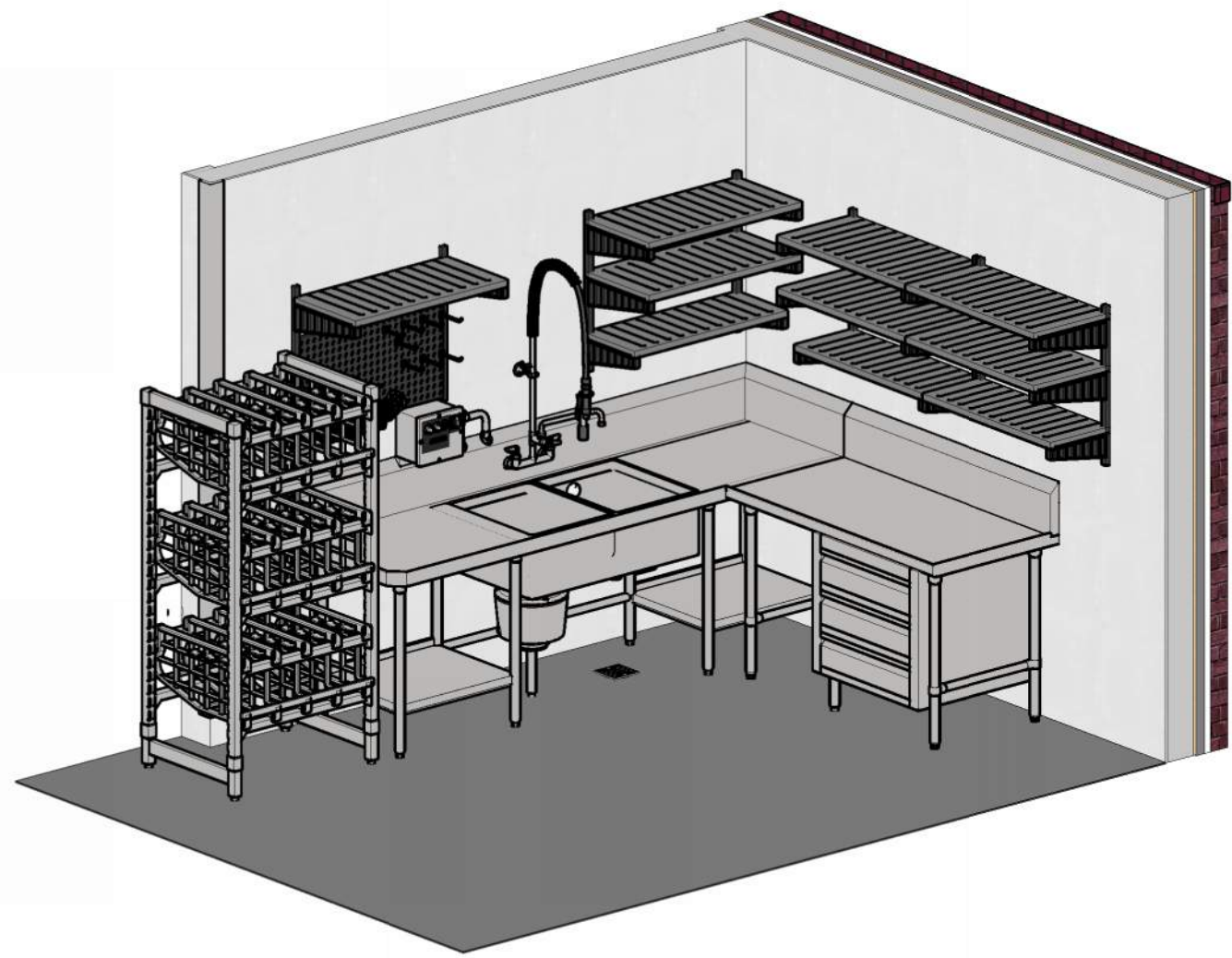


⑨ PASS-THRU ELEVATION - SERVER SIDE
1/2" = 1'-0"

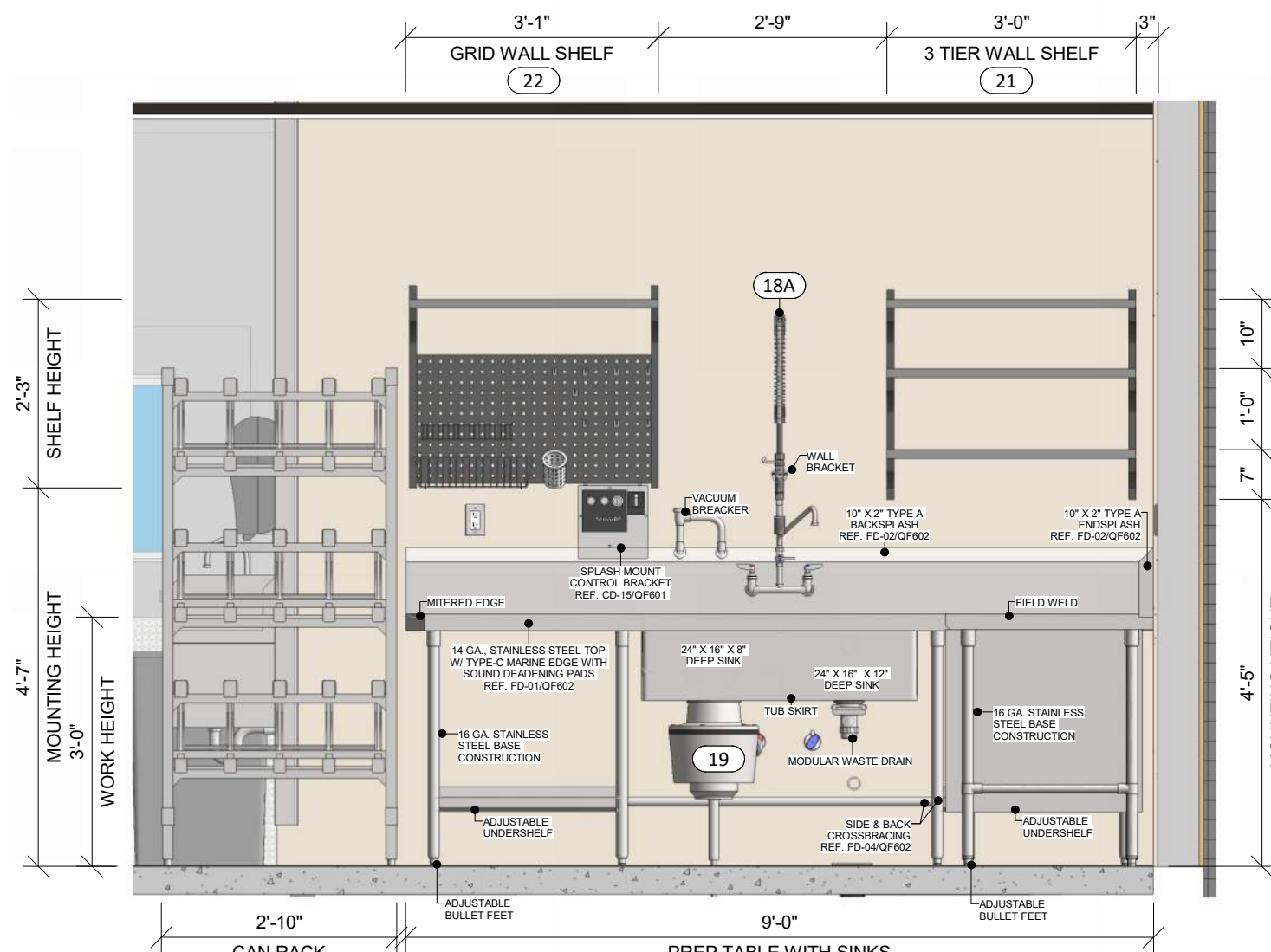


⑩ PASS-THRU ELEVATION - COOK SIDE
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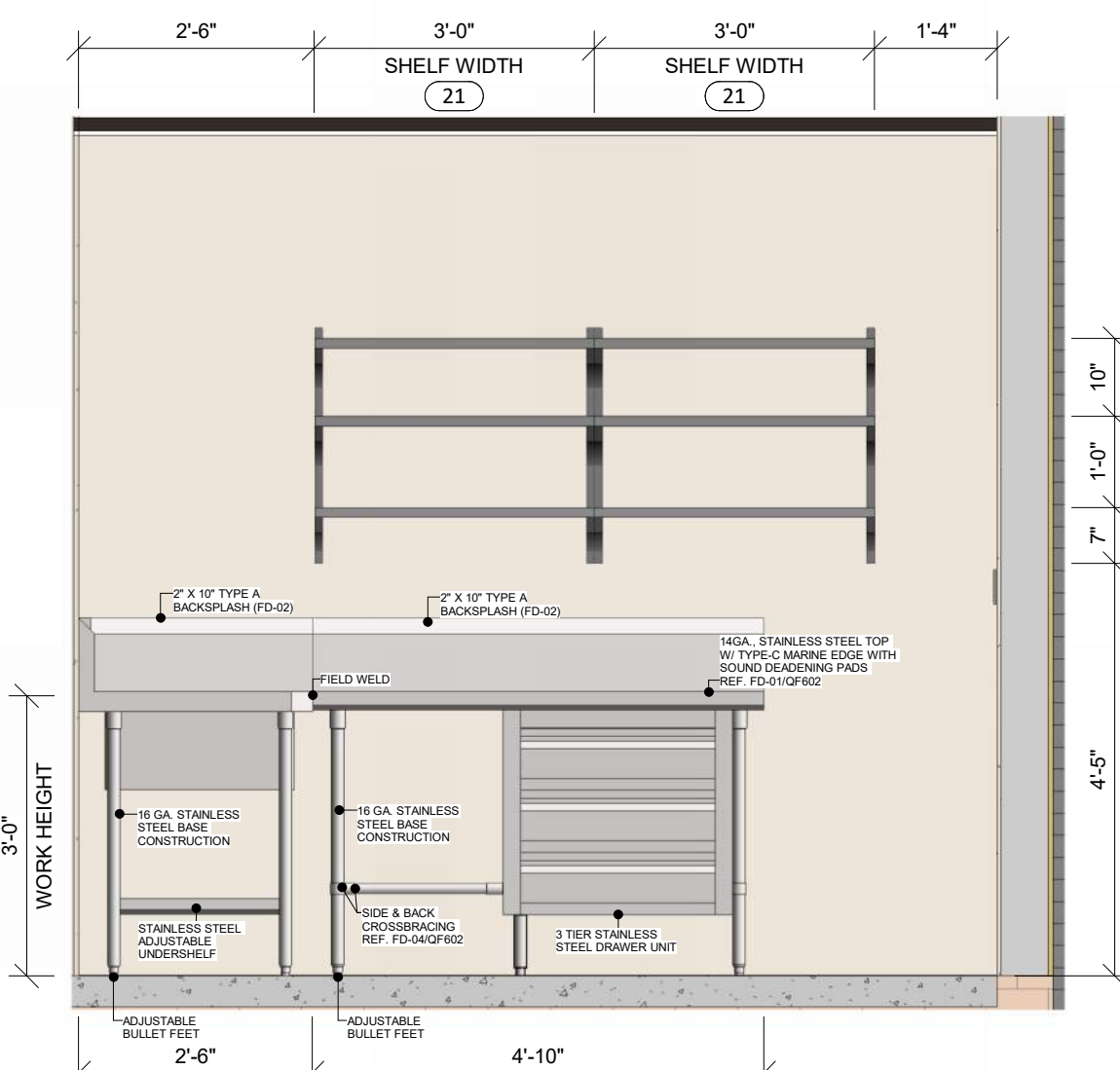
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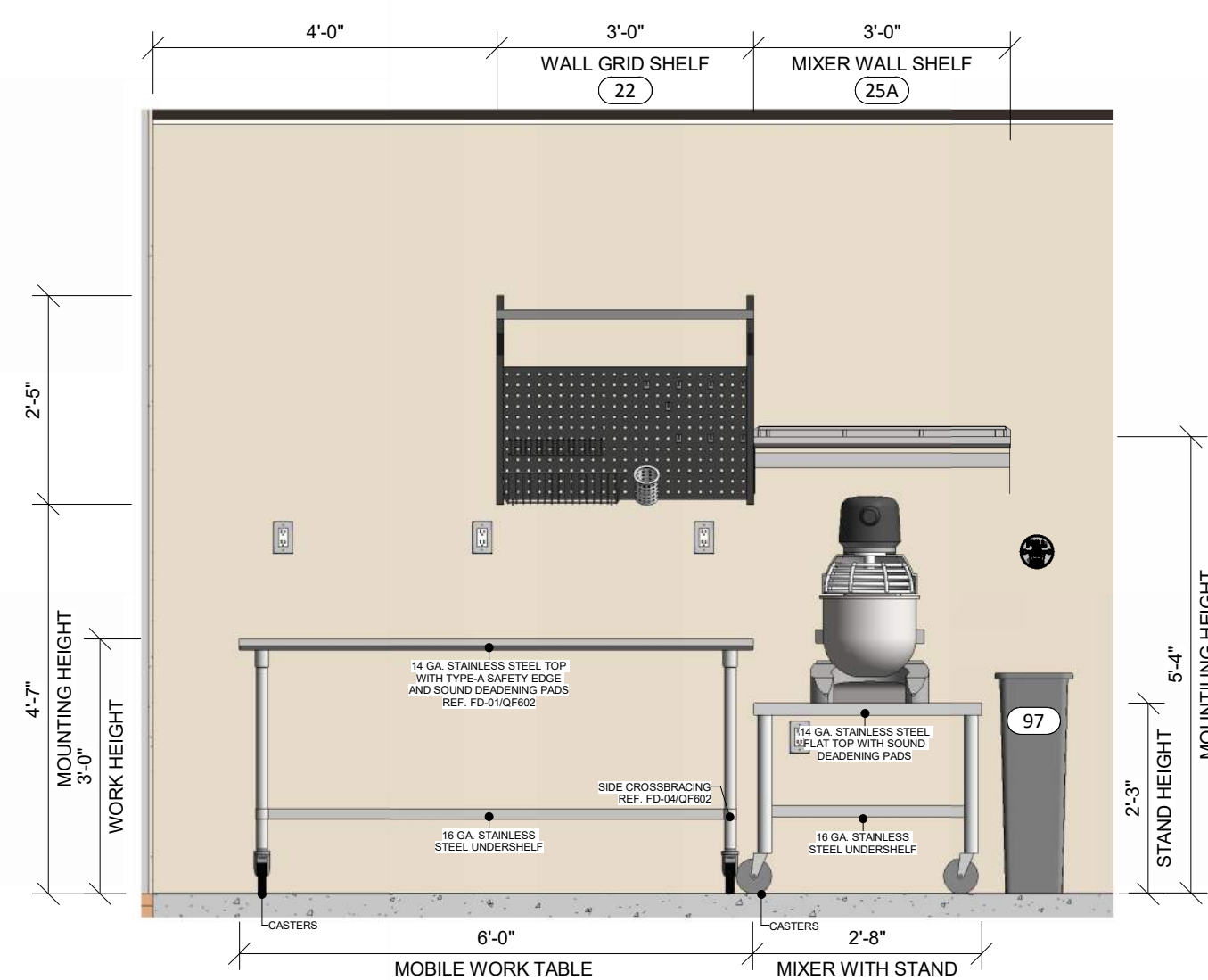
1 FOOD PREP AXON VIEW
NTS



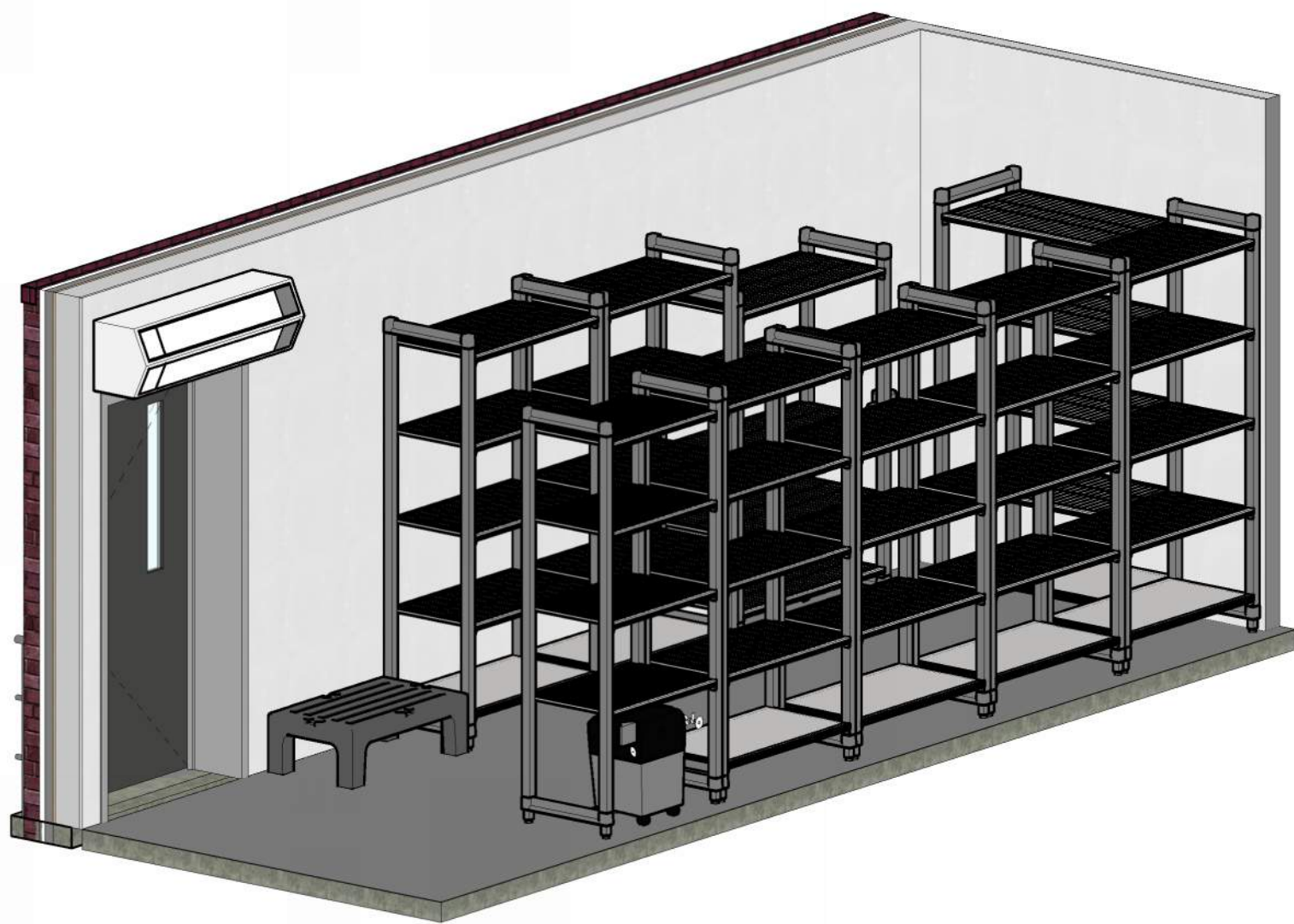
A PREP AREA ELEVATION
1/2" = 1'-0"



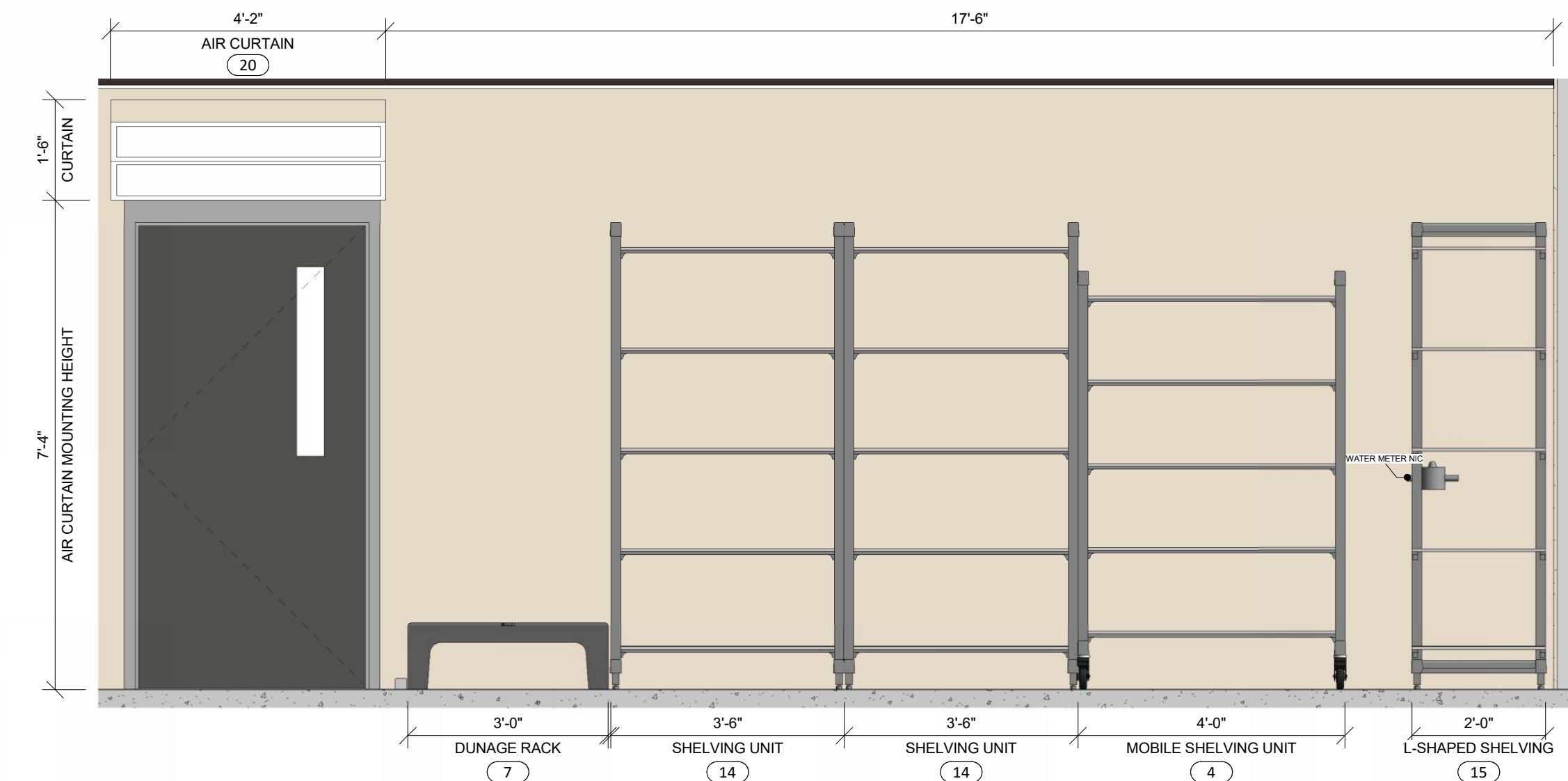
B PREP TABLE ELEVATION
1/2" = 1'-0"



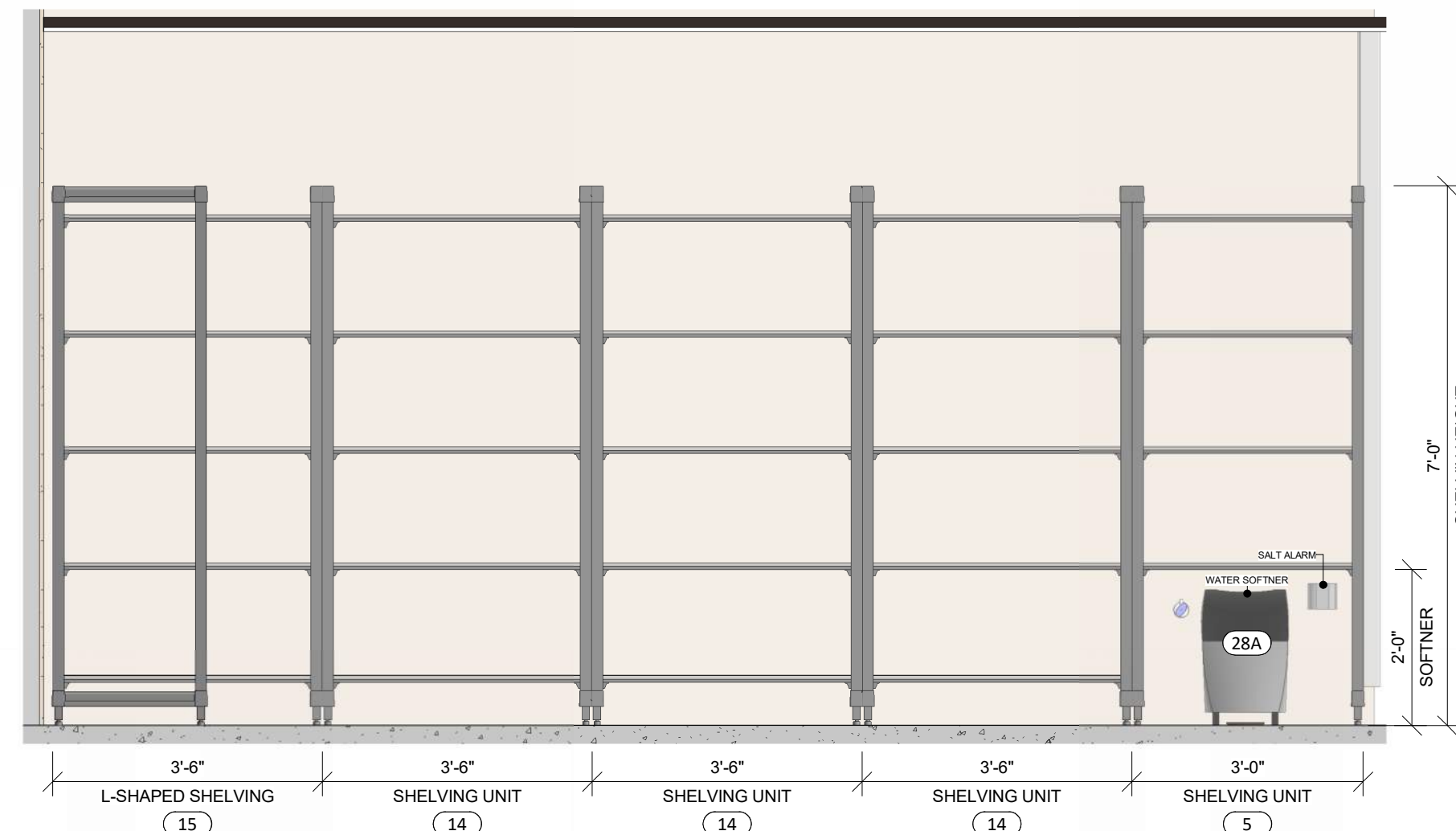
C PREP AREA MOBILE WORK TABLES
1/2" = 1'-0"



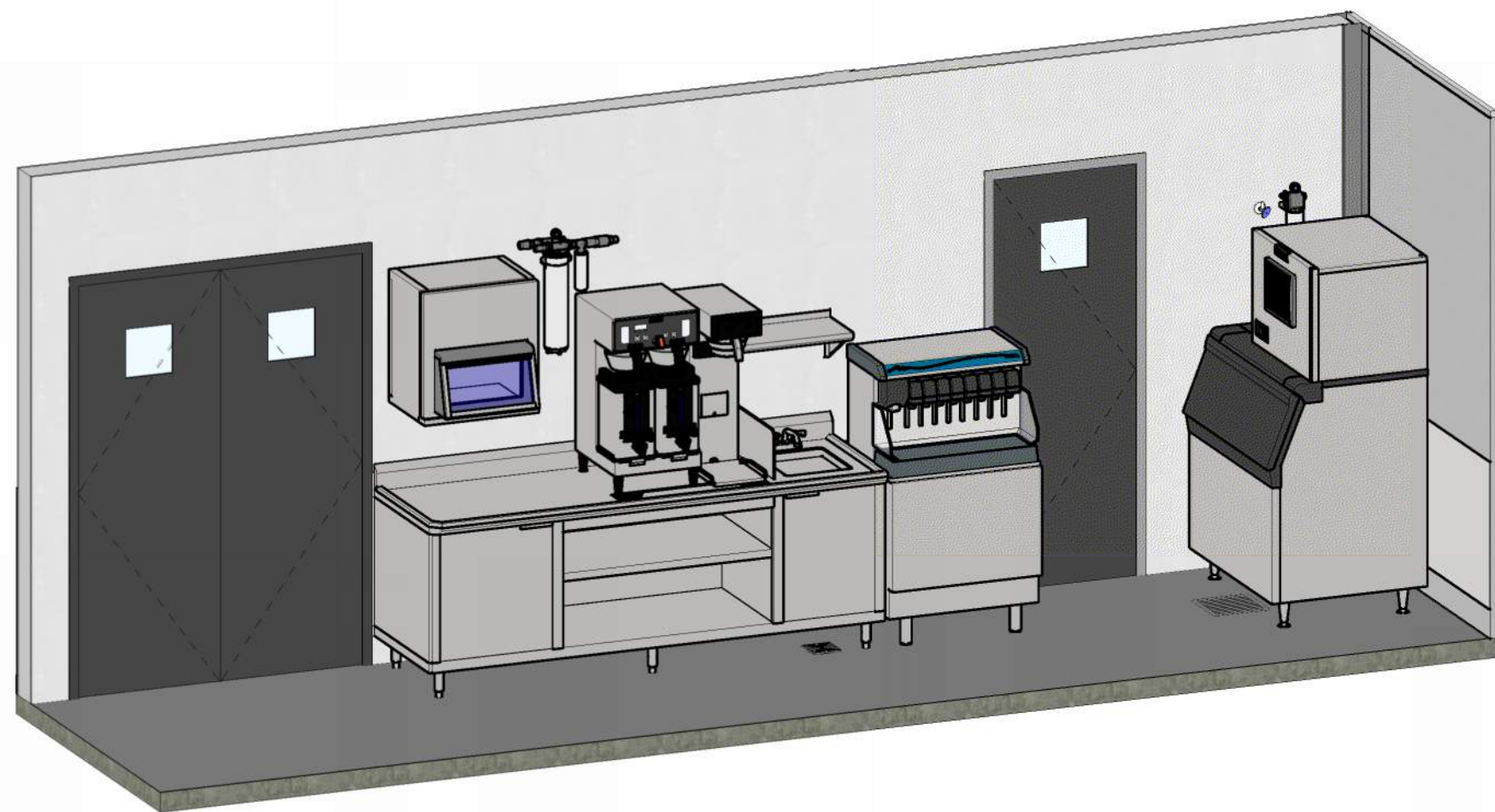
2 DRY STORAGE AXON VIEW
NTS



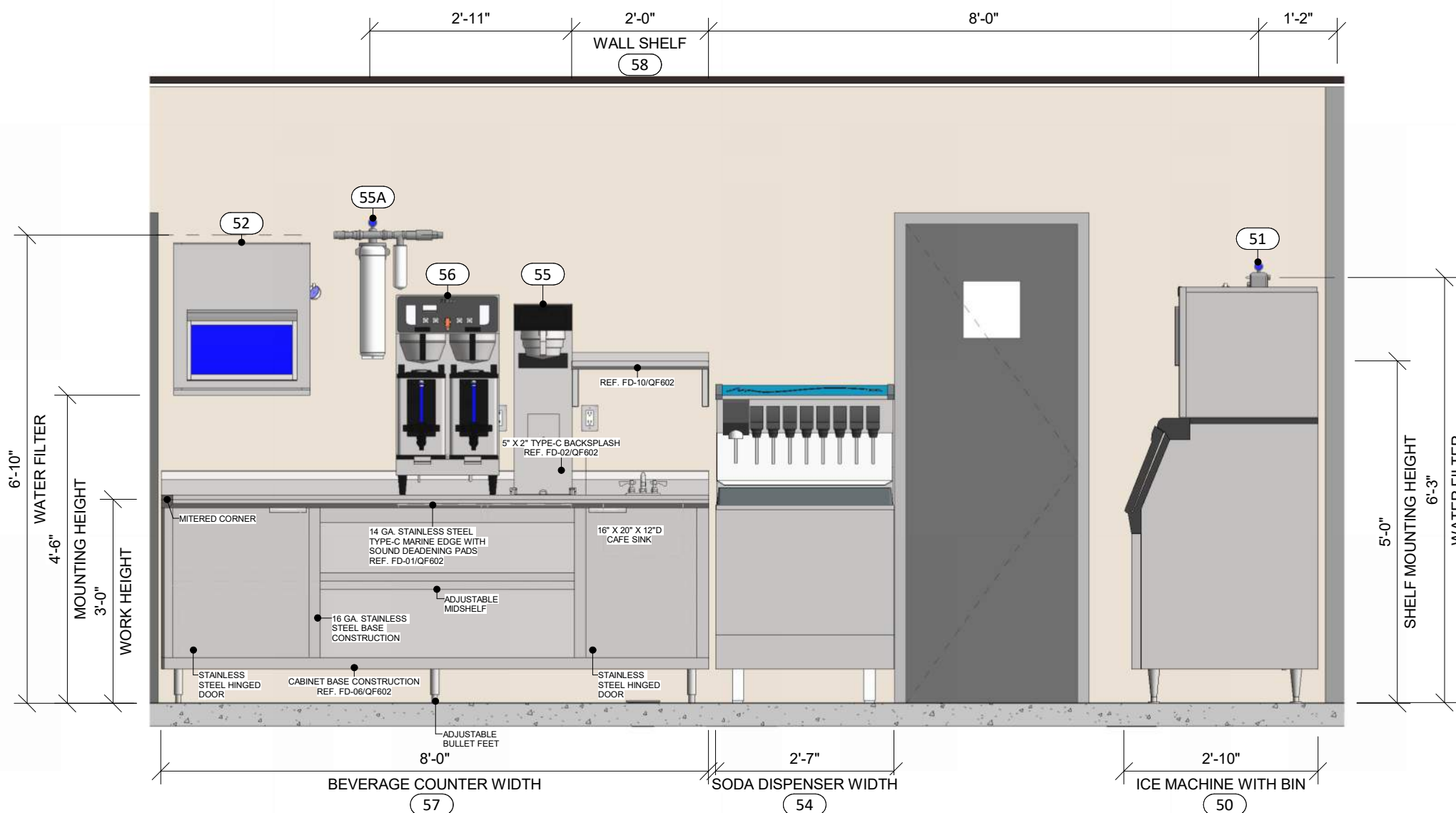
D DRY STORAGE ELEVATION - LEFT
1/2" = 1'-0"



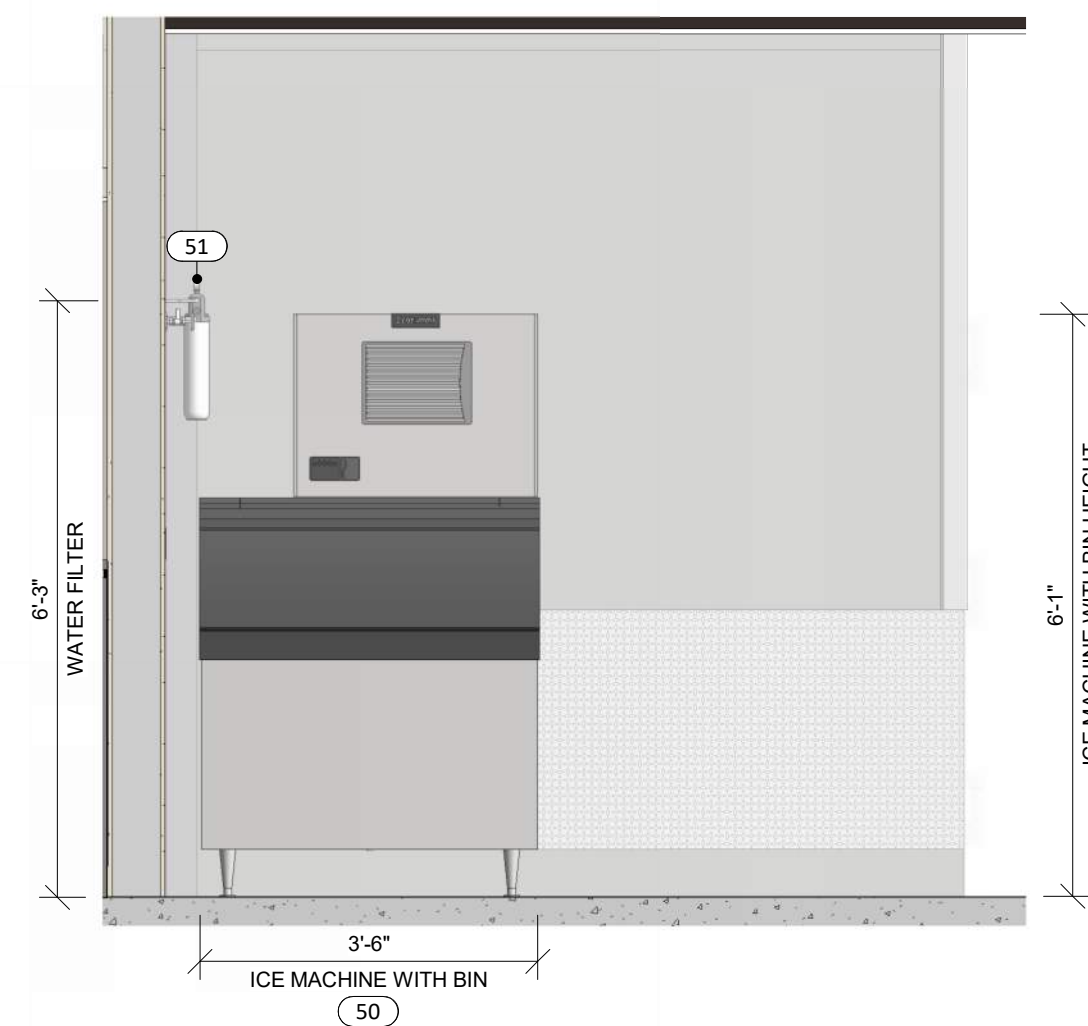
E DRY STORAGE ELEVATION - RIGHT
1/2" = 1'-0"



3 BEVERAGE COUNTER & ICEMACHINE AXON VIEW
NTS



F BEVERAGE STATION ELEVATION
1/2" = 1'-0"



G ICE MACHINE ELEVATION
1/2" = 1'-0"



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FOODSERVICE

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SUITE 300 -7043
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DOCUMENTS**

DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

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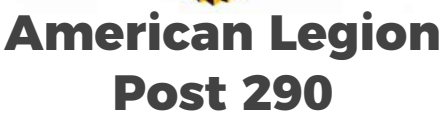
**FOODSERVICE EQUIPMENT
ELEVATIONS - KITCHEN**

SHEET

QF203

[illegible]

ICON
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214 N 4TH STREET, SUITE 208
GRAND FORKS, ND 58203
(701) 772.4266 OFFICE
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352 Main St.
New Town, ND 58763

STRUCTURAL

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MANDAN, ND 58554
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MECHANICAL

PRAIRIE ENGINEERING
1905 17TH ST SE
MINOT, ND 58701
(701) 852.6363 OFFICE

ELECTRICAL

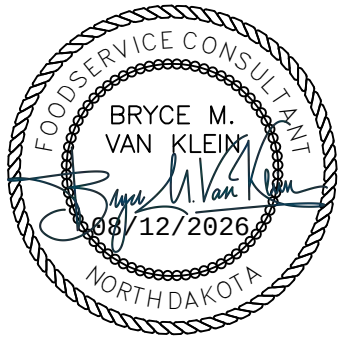
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FOODSERVICE PLUMBING ROUGH-IN PLAN & SCHEDULE

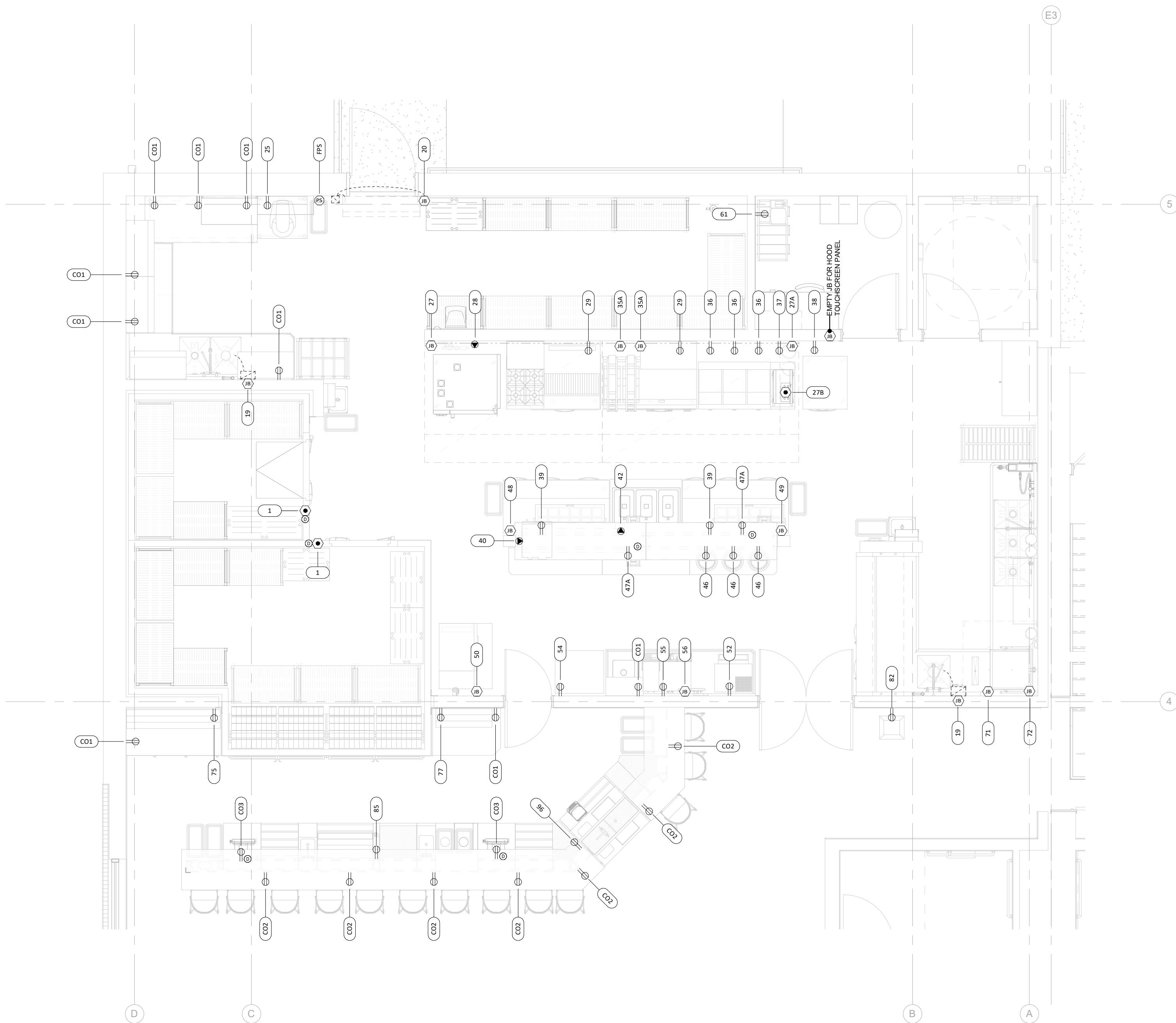
SHEET

QF301



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DOCUMENTS**

QF401



FOODSERVICE EQUIPMENT ELECTRICAL ROUGH-IN SCHEDULE										
ITEM NO.	QTY.	DESCRIPTION	VOLTAGE	PHASE	AMPS	CONN. TYPE	NEMA	ROUTING	R.I. HEIGHT	ELECTRICAL REMARKS
1	1	WALK-IN COMBINATION COOLER FREEZER	120V	1	8.3	DIRECT		DFA & BTC	106"	ELECTRICAL NOTE 4, 9, 10, 12
2	2	COOLER REFRIGERATOR SYSTEM	208/240V	1	9.3	DIRECT		DFA & BTC	106"	ELECTRICAL NOTE 1, 9, 10, 12, 14
3	1	FREEZER REFRIGERATOR SYSTEM	208/240V	1	16.7	DIRECT		DFA & BTC	106"	ELECTRICAL NOTE 1, 9, 10, 12
19	2	2 HP DISPOSER	208V	1	12.1	DIRECT		OW & BTC	50"	ELECTRICAL NOTE 5, 6, 7
20	1	42" AIR CURTAIN	120V	1	7.5	DIRECT		OW & BTC	106"	ELECTRICAL NOTE 5, WIRE TO CONTROL SWITCH
20	0T	PLANETARY MIXER WITH MOBILE STAND	120V	1	15.0	CORD & PLUG	5-15P	OW	50"	ELECTRICAL NOTE 1
27	1	228" X 80" EXHAUST HOOD WITH SUPPLY PLENUM	120V	15.0	DIRECT			OW & BTC	106"	ELECTRICAL NOTE 4, 18, 19, 20, 21, 22, 23
27A	1	FIRE SUPPRESSION SYSTEM	120V	1	15.0	DIRECT		OW & BTC	106"	ELECTRICAL NOTE 4, 23
27B	1	VARIABLE VOLUME HOOD CONTROL	120V	1	15.0	DIRECT		DFA & BTC	106"	ELECTRICAL NOTE 4, 18, 19
27C	1	UPBLAST EXHAUST FAN (NOT SHOWN)								ELECTRICAL NOTE 26
27D	1	MAKE-UP AIR UNIT (NOT SHOWN)								ELECTRICAL NOTE 26
28	1	COMBI OVEN WITH STAND	208V	1	3.0	CORD & PLUG	6-15P	OW	30"	ELECTRICAL NOTE 1
29	2	60" REFRIGERATED EQUIPMENT STAND	120V	1	4.2	CORD & PLUG	5-15P	OW	30"	ELECTRICAL NOTE 1
35A	2	GRIDDLE CLAMSHELL	208V	1	17.3	DIRECT		OW & BTC	36"	ELECTRICAL NOTE 5
36	1	TRIPLE FRYER BATTERY WITH BUILT-IN FILTRATION	120V	1	6.0	CORD & PLUG	5-15P	OW	30"	ELECTRICAL NOTE 1
37	1	FRY DUMP STATION WITH WARMER	120V	1	5.0	CORD & PLUG	5-15P	OW	30"	ELECTRICAL NOTE 1
38	1	1.5SEC. REACH-IN FREEZER WITH 1 DOOR & 2 DRAWERS	120V	1	7.6	CORD & PLUG	5-15P	OW	48"	ELECTRICAL NOTE 1
39	2	68" SANDWICH REFRIGERATED PREP TABLE	120V	1	7.0	CORD & PLUG	5-15P	OW	30"	ELECTRICAL NOTE 1
41	1	2200W MICROWAVE OVEN	208V	1	15.4	CORD & PLUG	6-20P	OW	72"	ELECTRICAL NOTE 1
42	1	3-WELL HOT FOOD DROP-IN UNIT	208V	1	17.4	CORD & PLUG	6-30P	OW	30"	ELECTRICAL NOTE 1
46	1	60" X 18" DISH CABINET WITH SOUP WELLS	120V	1	6.7	CORD & PLUG	5-15P	OW	22"	ELECTRICAL NOTE 1
48	1	60" DUAL HEAT LAMP WITH LIGHTS	208V	1	14.6	DIRECT		OW & BTC	60"	ELECTRICAL NOTE 5, 26
49	1	60" DUAL HEAT LAMP WITH LIGHTS	208V	1	13.3	DIRECT		OW & BTC	60"	ELECTRICAL NOTE 5
50	1	582LB ICE MACHINE WITH 42" BIN	120V	1	18.3	DIRECT		OW & BTC	78"	ELECTRICAL NOTE 5
52	1	WALL MOUNTED LETTUCE CRISPER	120V	1	3.0	CORD & PLUG	5-15P	OW	50"	ELECTRICAL NOTE 1
54	1	SODA DISPENSER, IN-COUNTER	120V	1	4.4	CORD & PLUG	5-15P	OW	50"	ELECTRICAL NOTE 1, 26
55	1	ICEED TEA BREWER	120V	1	4.4	CORD & PLUG	5-15P	OW	50"	ELECTRICAL NOTE 1
56	1	DUAL COFFEE BREWER	208/240V	1	29.1	DIRECT		OW & BTC	50"	ELECTRICAL NOTE 2
61	1	BAG-IN-BOX SYSTEM	120V	1	15.0	CORD & PLUG	5-20P	OW	50"	ELECTRICAL NOTE 1, 26
71	1	DOOR TYPE DISHWASHER	208/240V	3	53.5	DIRECT		OW & BTC	50"	ELECTRICAL NOTE 5, 15, 16
72	1	48" X 48" CONDENSATE HOOD	120V	1	10.0	DIRECT		DFA & BTC	104"	ELECTRICAL NOTE 5
72A	1	CONDENSATE FAN (NOT SHOWN)								ELECTRICAL NOTE 26
75	1	60" LIQUOR BOTTLE DISPLAY	120V	1	2.0	CORD & PLUG	5-15P	OW	22"	ELECTRICAL NOTE 1
77	1	36" LIQUOR BOTTLE DISPLAY	120V	1	2.0	CORD & PLUG	5-15P	OW	22"	ELECTRICAL NOTE 1
82	1	MINI JETSTAR POPCORN POPPER	120V	1	4.8	CORD & PLUG	5-15P	OW	22"	ELECTRICAL NOTE 1
85</										

2 FOODSERVICE ELECTRICAL ROUGH-IN PLAN - T.O. WALK-IN
1/4" = 1'-0"

[illegible]

ELECTRICAL LEGEND		
SYMBOL	DESCRIPTION	ABBREV.
	SINGLE RECEPT. - 115/120V, GFCI	SR
	DUPLEX RECEPT. - 115/120V, GFCI	DR
	FOURPLEX RECEPT. - 115/120V, GFCI	FR
	SPECIAL CONN. - 115/120V, GFCI	SC
	SPECIAL CONN. - 208/240/480/600V	SC
	CEILING-MOUNTED DROP CORD	DC
	FLUSH FLOOR RECEPT.	FF
	DATA	DATA
	JUNCTION BOX	JB
	CEILING-MOUNTED JUNCTION BOX	JB
	PULL STATION	PS
	SWITCH	WS
	FAN MOTOR	FM
	CONTROL	CTL
	FIELD WIRING BY EC	FW

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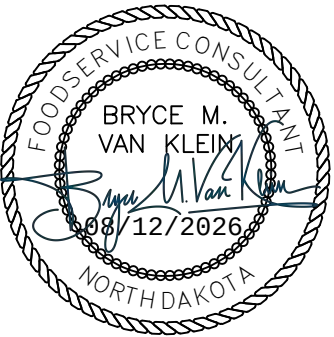
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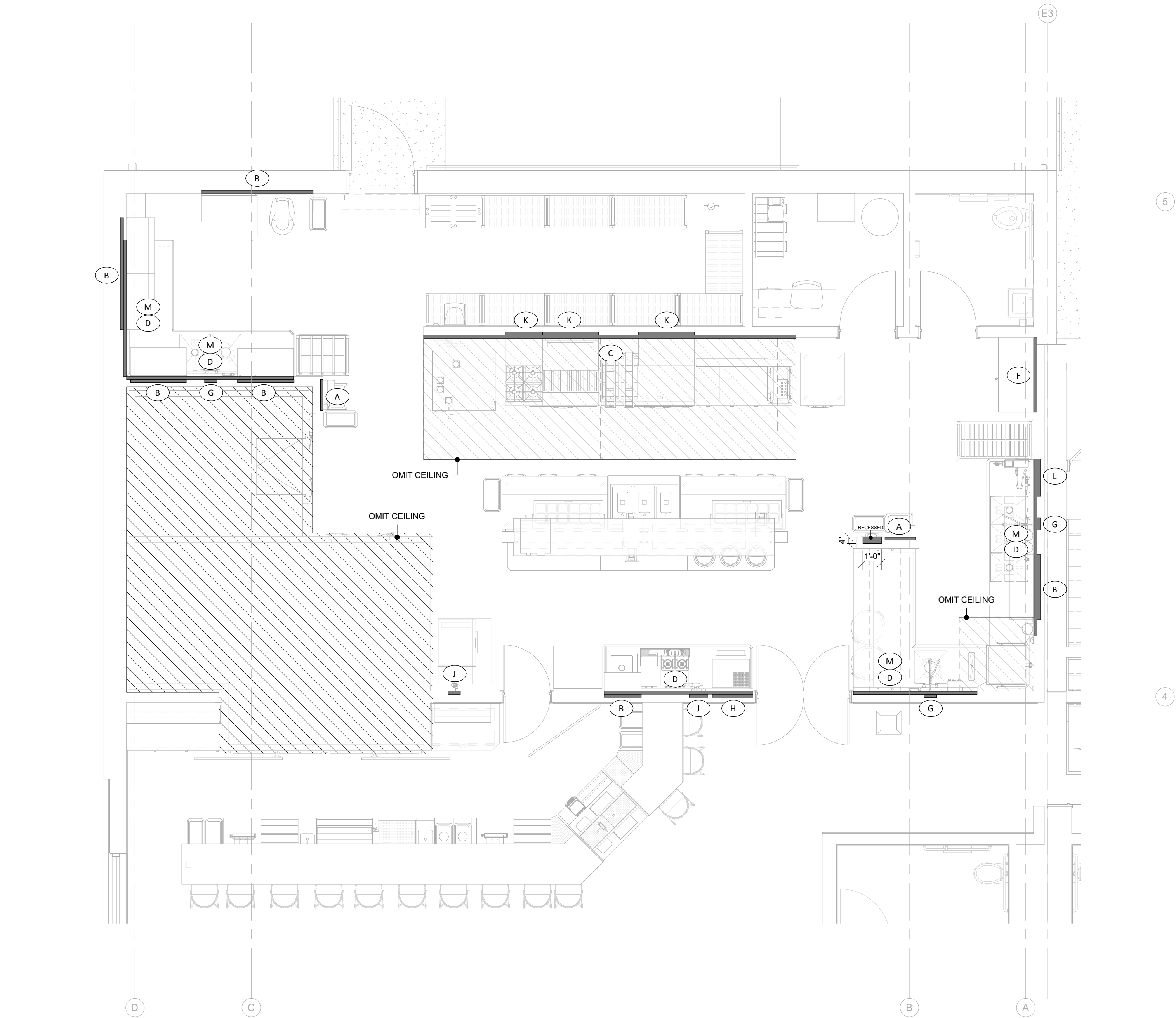
BID DOCUMENTS

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JN: 23-018

SHEET

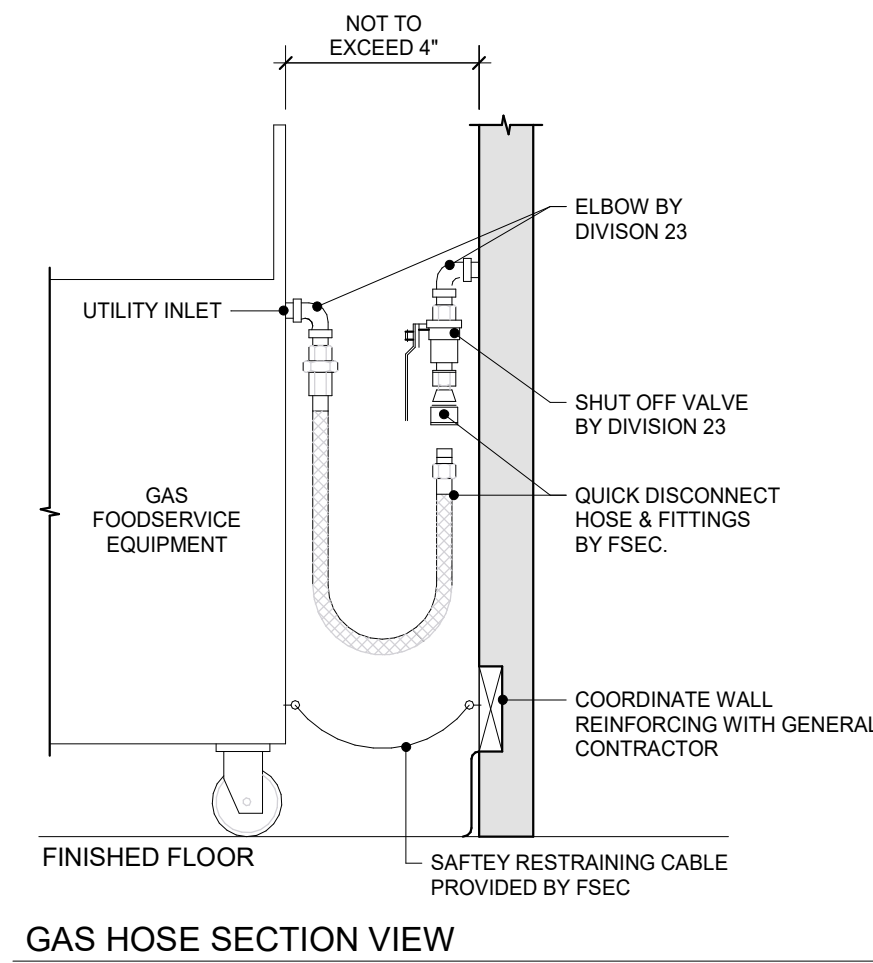
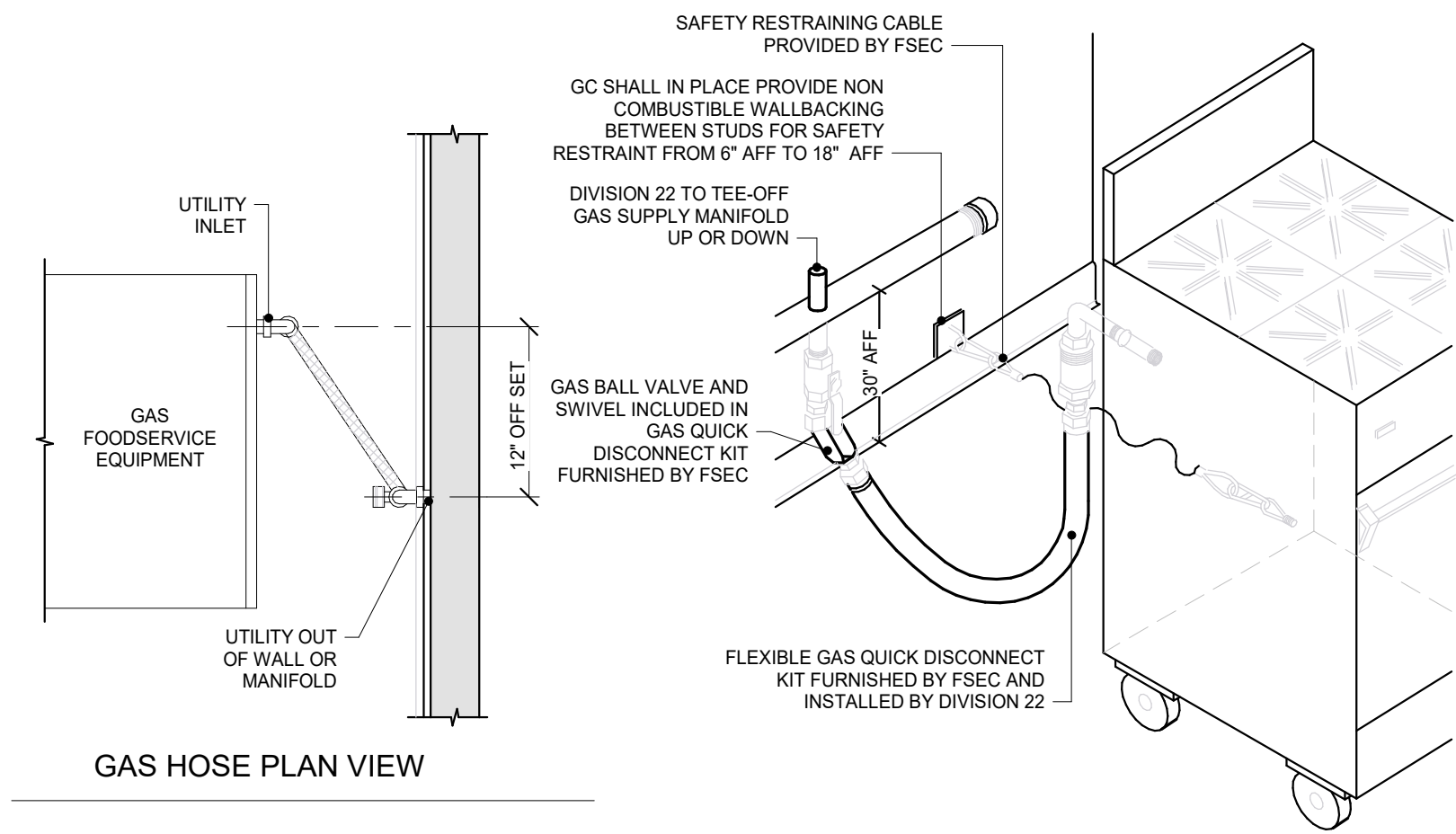
QF501



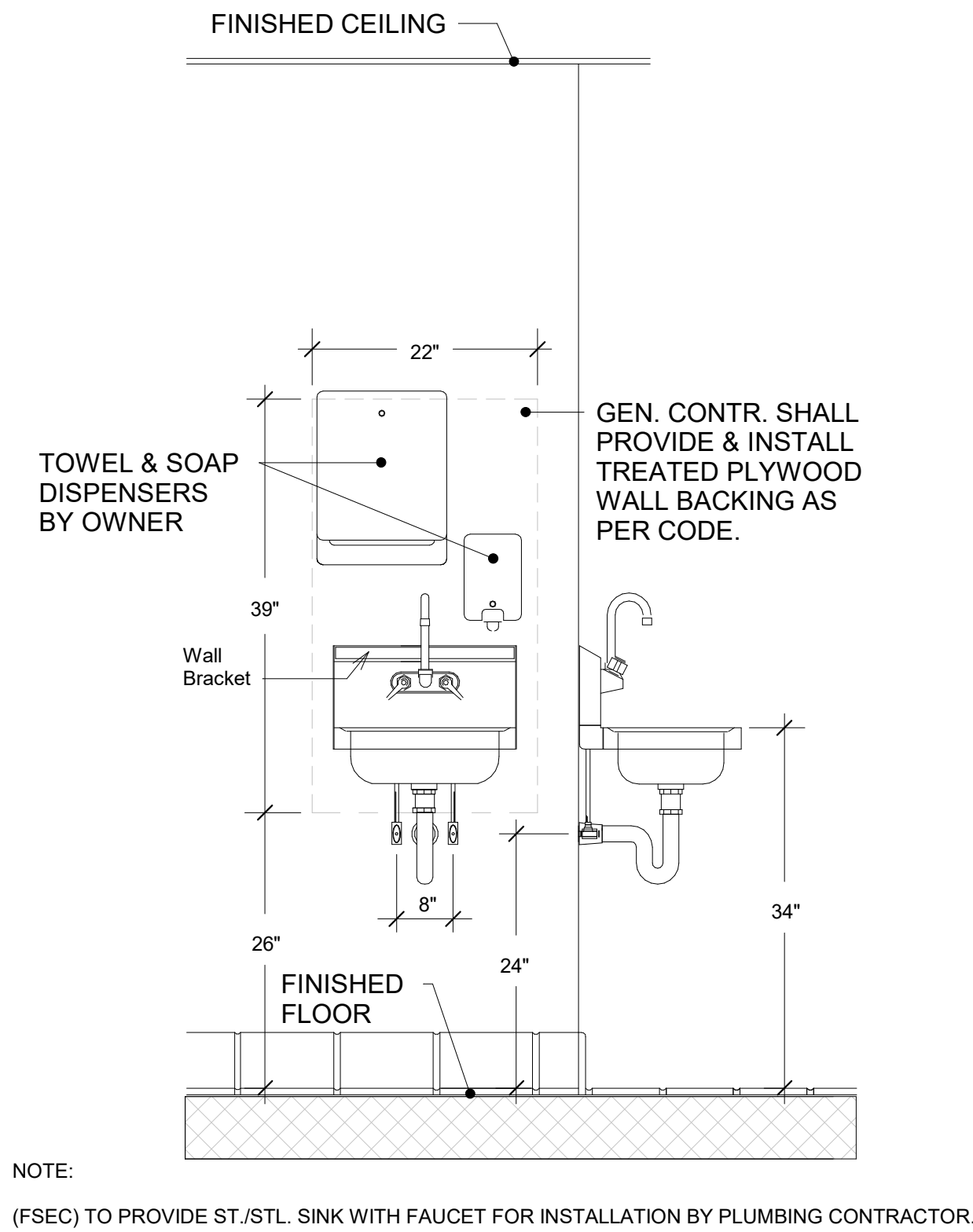
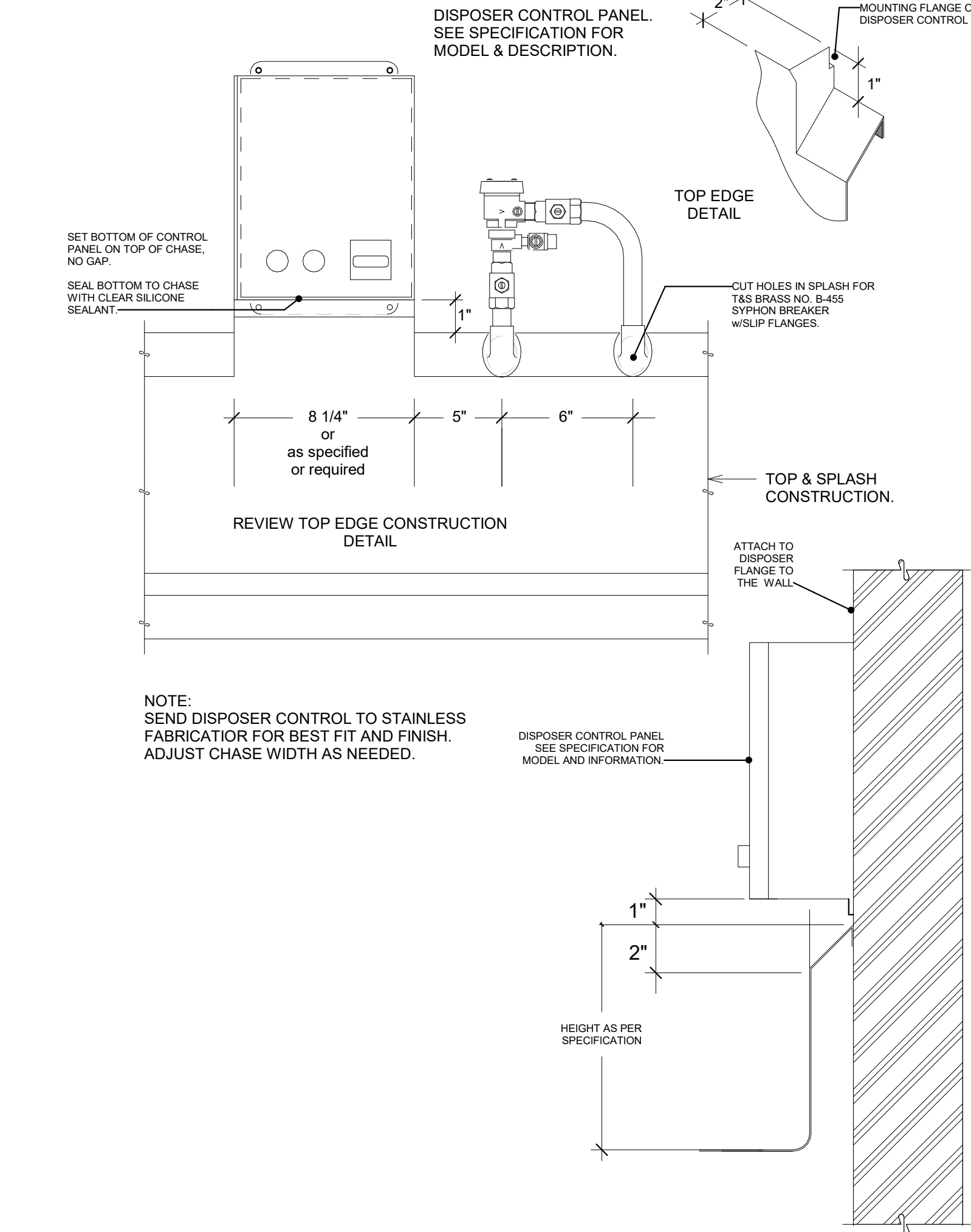
1. GC SHALL FURNISH AND INSTALL WALL BACKING WHERE REINFORCEMENT IS REQUIRED. REINFORCEMENT SHALL BE MASONRY BLOCK. LENGTHS OF WALL BACKING SHOWN ON FOODSERVICE EQUIPMENT PLANS ARE NOMINAL, AND SHALL EXTEND TO THE NEXT STUD. REINFORCEMENT SHALL BE TO CONFIRM WITH OWNER FOR ANY ADDITIONAL WALL MOUNTED ITEMS THAT ARE NOT SHOWN.
2. GC SHALL FURNISH AND INSTALL REINFORCEMENT ABOVE THE FINISHED CEILING FOR HANGING FSEC FURNISHED BY OTHERS. REINFORCEMENT SHALL BE HOODS. GC SHALL COORDINATE THE EXACT SIZE AND REQUIREMENTS WITH FSEC AND MANUFACTURERS SHOP DRAWINGS.
3. THE REMOTE REFRIGERATION LINE(S) ON FOODSERVICE EQUIPMENT PLANS ARE APPROXIMATE AND SHOULD BE VERIFIED WITH THE EQUIPMENT SUPPLIER.
4. GC SHALL FURNISH AND INSTALL REQUIRED CONCRETE PADS, AND SLEEVE AND SEAL THROUGH BUILDING ENVELOPE PENETRATIONS.
5. FSEC SHALL FURNISH AND INSTALL REFRIGERATION LINES BETWEEN REMOTE CONDENSING UNIT AND FOODSERVICE REFRIGERATION EQUIPMENT.

NOTE ID	DESCRIPTION
A	ADEQUATE WALL BACKING FROM 26" AFF TO 65" AFF FOR HAND SINK, SOAP AND PAPER TOWEL DISPENSER (BY OTHERS). SEE DETAILS D-01.
B	ADEQUATE WALL BACKING FROM 42" AFF TO 72" AFF FOR WALL MOUNTED SHELVING UNITS. SEE DETAILS FD-10.
C	ADEQUATE NON-COMBUSTIBLE WALL BACKING FROM 6" AFF TO 18" AFF FOR GAS EQUIPMENT SAFETY RESTRAINTS. SEE DETAILS C-01.
D	ADEQUATE WALL BACKING FROM 36" AFF TO 48" AFF FOR TABLE BACKSPLASH WALL CLIPS. SEE DETAILS FD-02.
F	ADEQUATE WALL BACKING FROM 42" AFF TO 54" AFF FOR MOP SINK SERVICE FAUCET WALL BRACKET.
G	ADEQUATE WALL BACKING FROM 48" AFF TO 60" AFF FOR PRINSE WALL BRACKET. SEE DETAILS CD-11.
H	ADEQUATE WALL BACKING FROM 48" AFF TO 84" AFF FOR LETTUCE CRISPER.
J	ADEQUATE WALL BACKING FROM 66" AFF TO 90" AFF FOR WATER FILTER.
K	ADEQUATE NON-COMBUSTIBLE WALL BACKING FROM 48" AFF TO 74" AFF FOR #23, #26, AND #34.
L	ADEQUATE WALL BACKING FROM 72" AFF TO 90" AFF FOR HOSE REEL.
M	ADEQUATE WALL BACKING FROM 6" AFF TO 18" AFF FOR TABLE LEG TYPE B. SEE DETAILS FD-04.

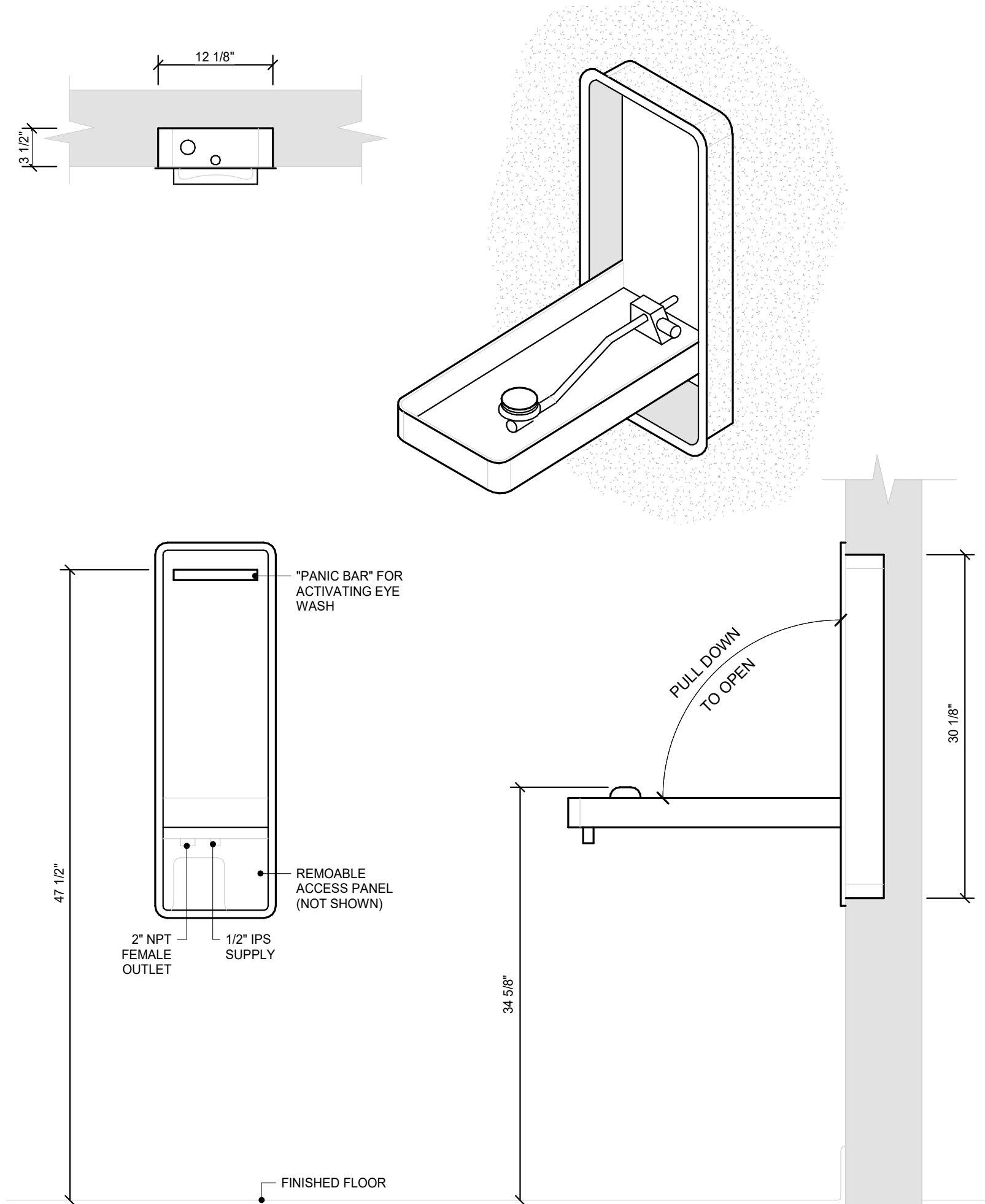
<u>SYMB</u>	<u>DESCRIPTION</u>
	WALL BACKING
	OMIT CEILING



NOTE:
IF UTILITY INLET IS NOT AT THE HEIGHT SHOWN,
THE DIVISION 23 SHALL PROVIDE PIPING WITH
ELBOWS TO RAISE INLET. DIVISION 23 & FSEC
SHALL VERIFY LOCAL CODE REQUIREMENTS.

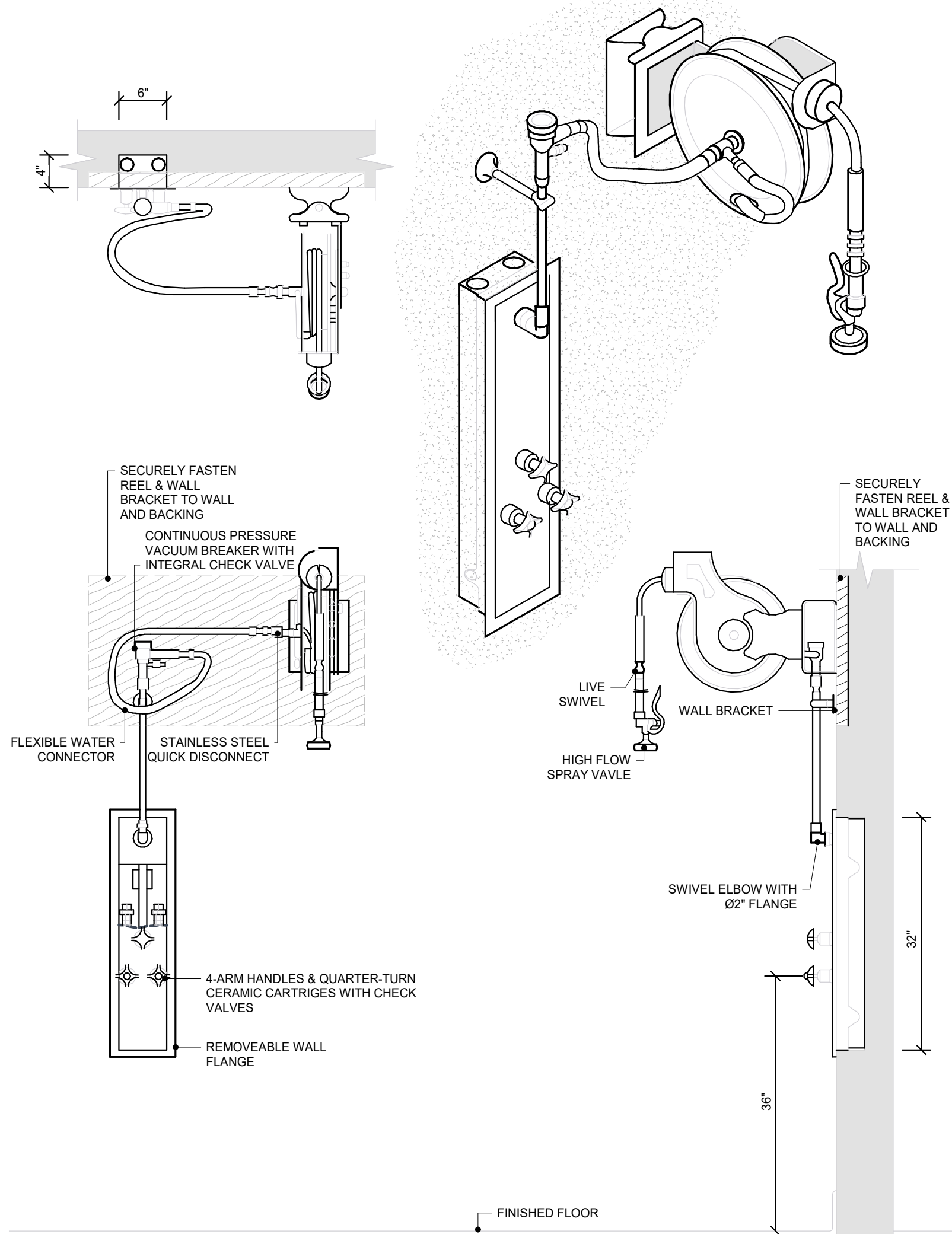


1 CD-01 - QUICK GAS CONNECT
NTS



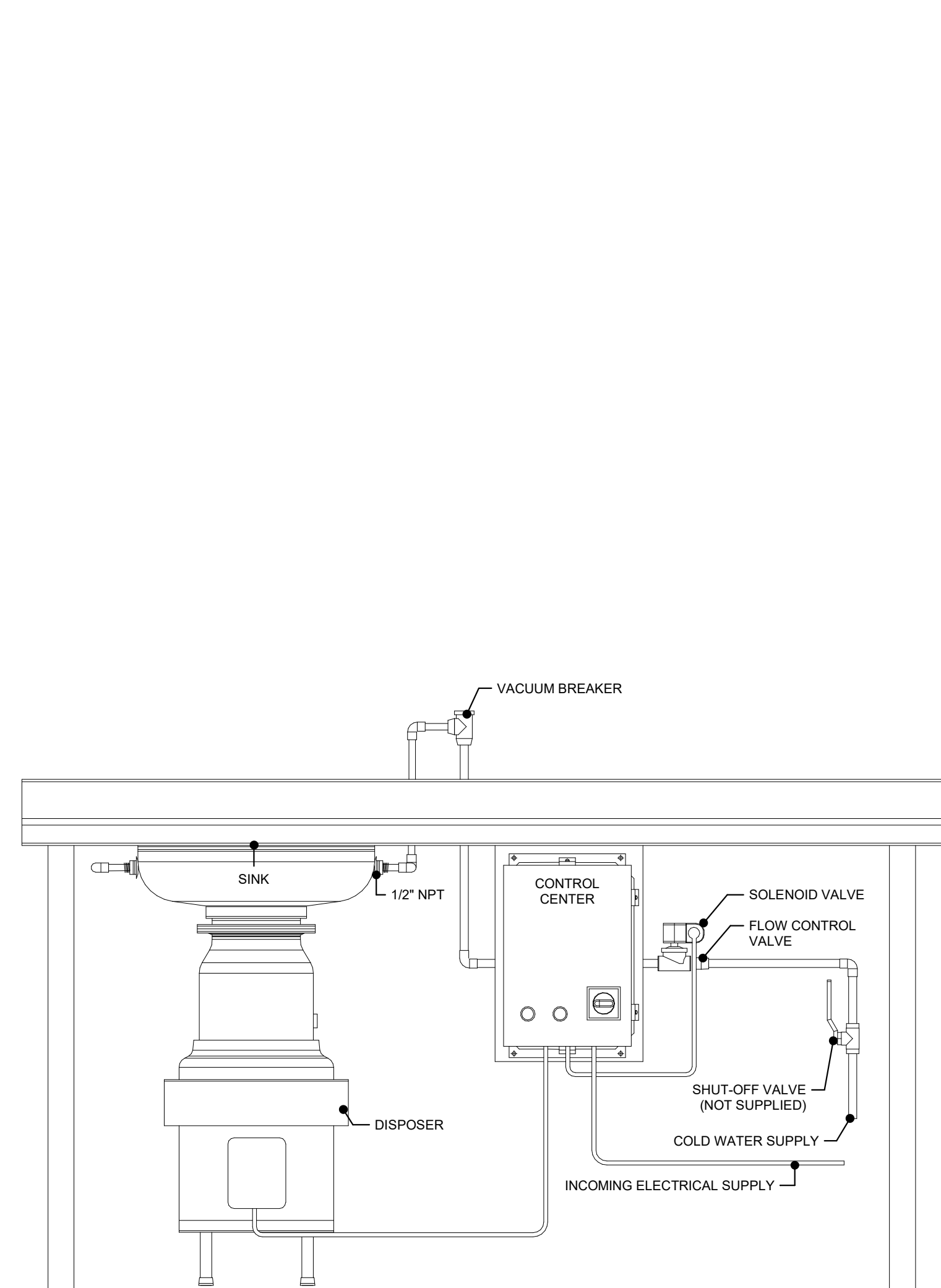
4 CD-21- RECESSED EYE WASH CABINET
NTS

2 CD-15 - SPLASH-MOUNTED DISPOSER CONTROL
NTS



5 CD-22- RECESSED HOSE REEL CABINET
NTS

3 CD-17 - HAND SINK
NTS



6 CD-23 - DISPOSER INSTALLATION
NTS



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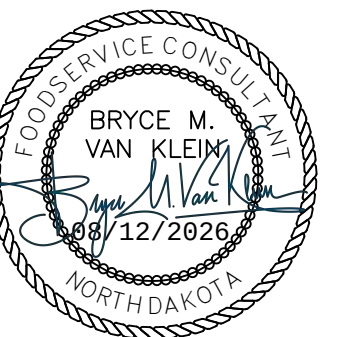
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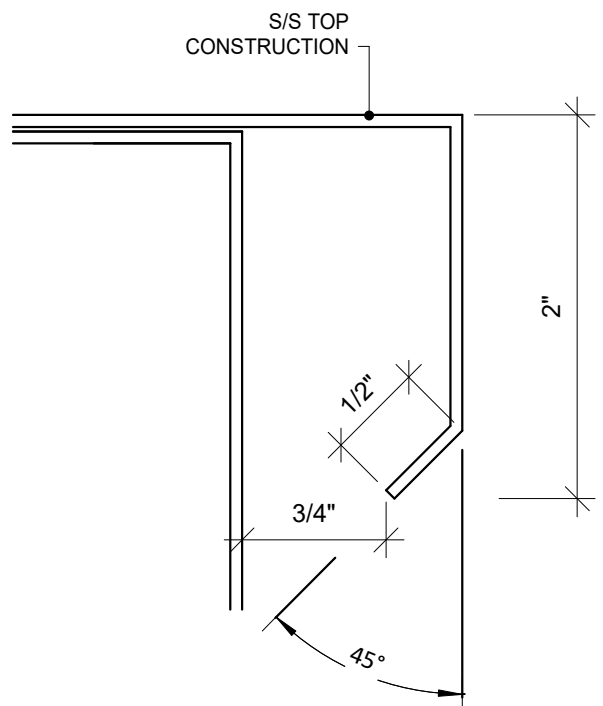
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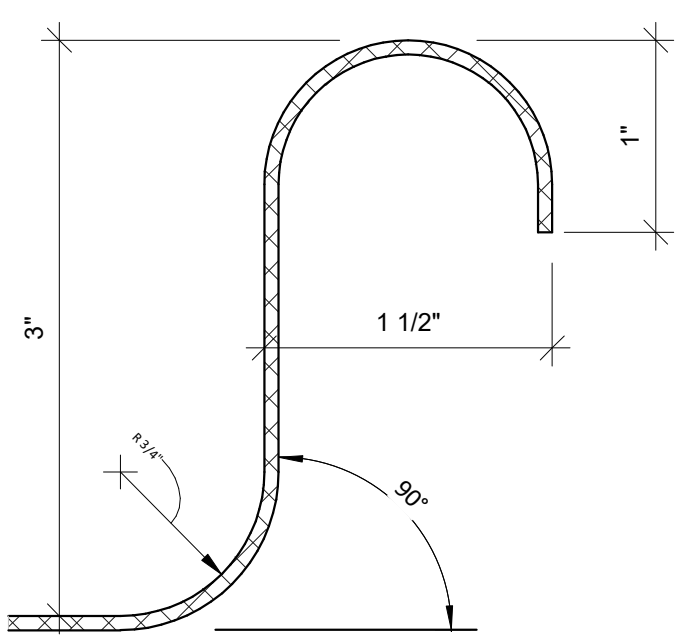
**FOODSERVICE EQUIPMENT
DETAILS**

SHEET

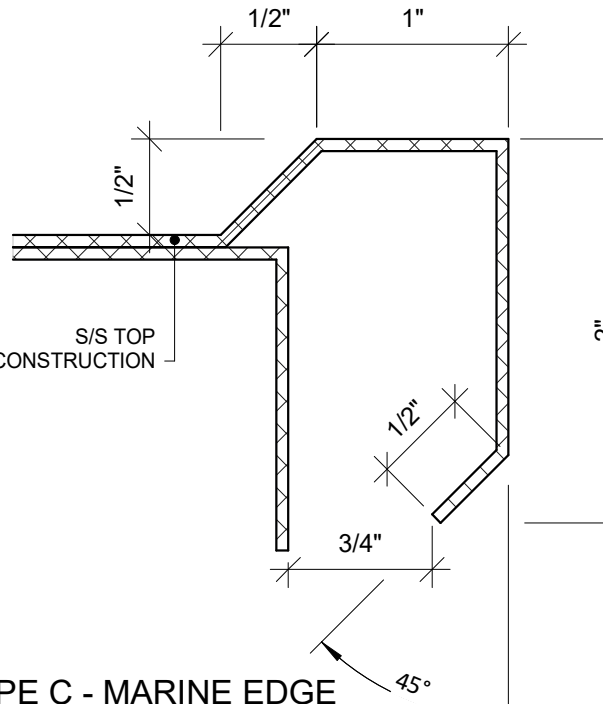
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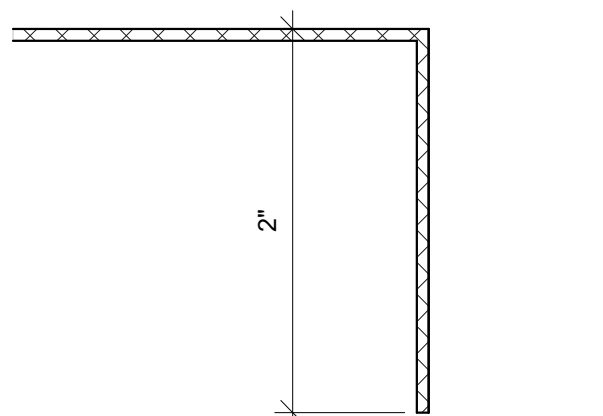
TYPE A - SAFTEY EDGE



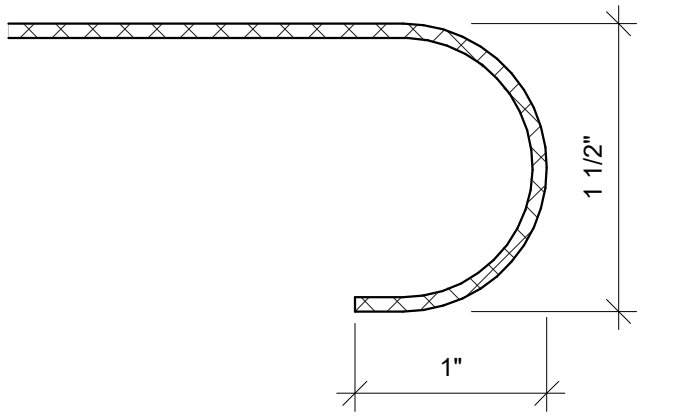
TYPE B - RAISED ROLLED EDGE



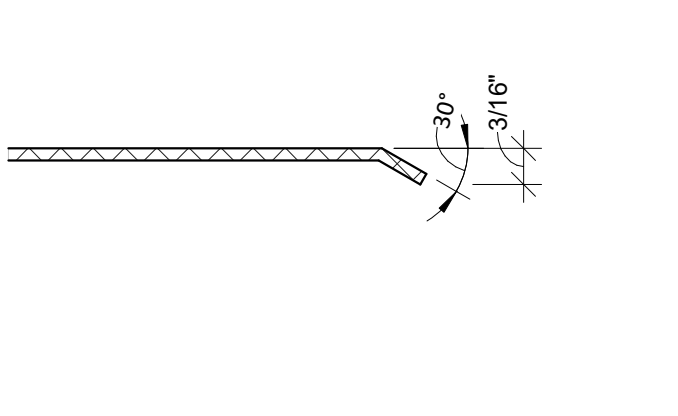
TYPE C - MARINE EDGE



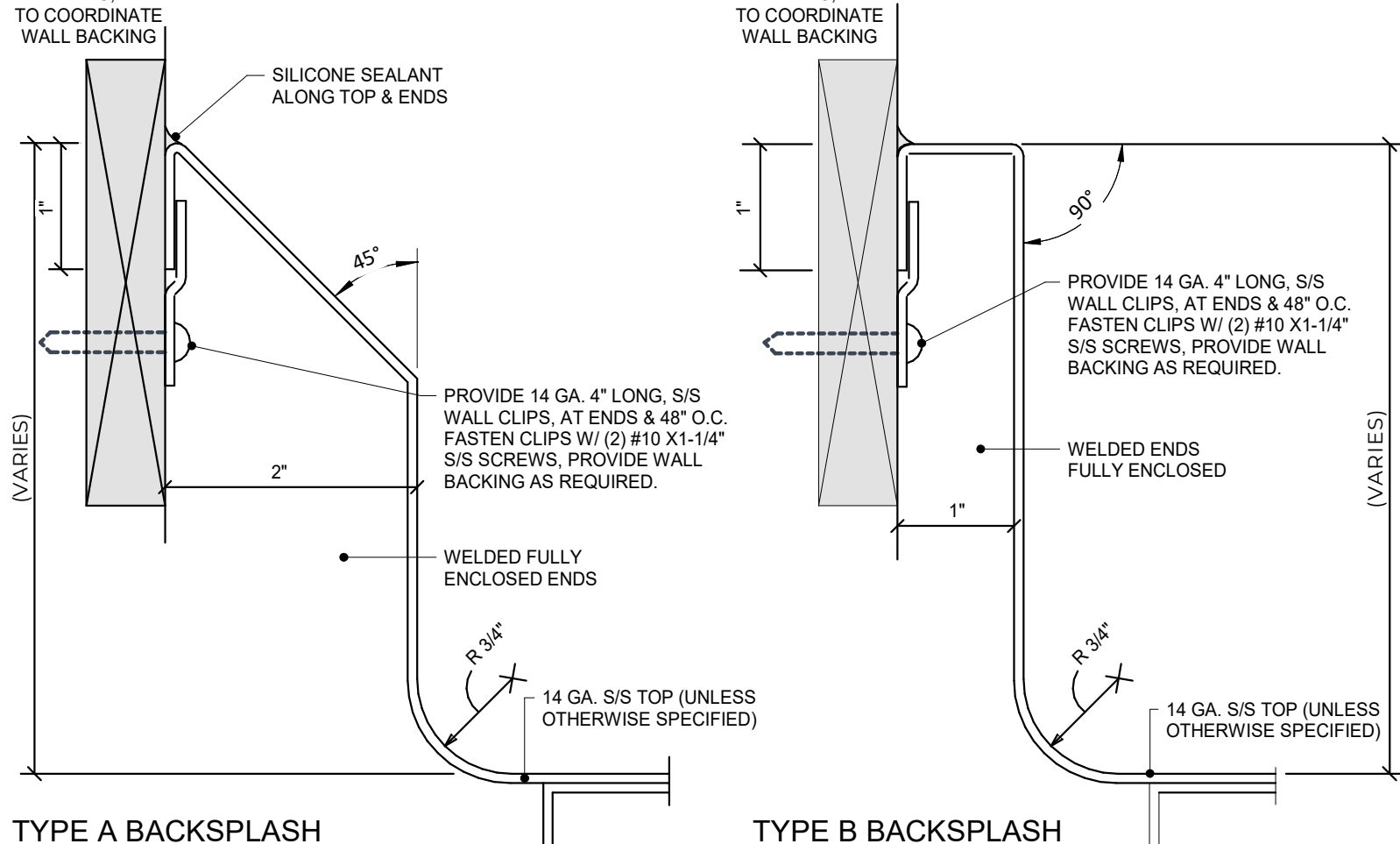
TYPE E - STRAIGHT TURN DOWN



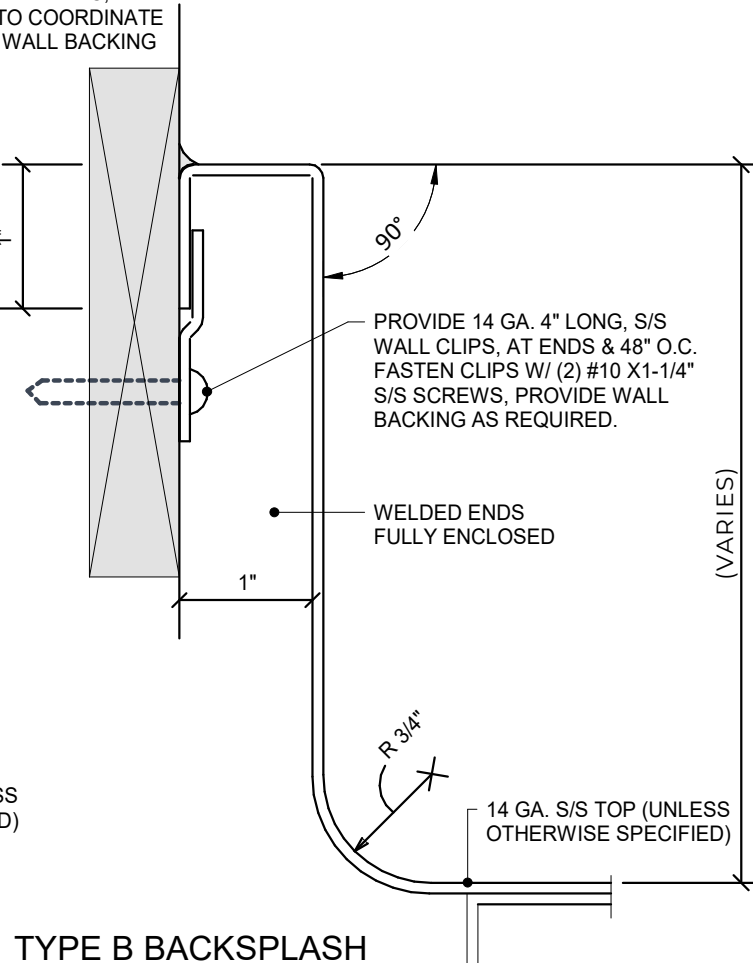
TYPE D - BULL-NOSE EDGE



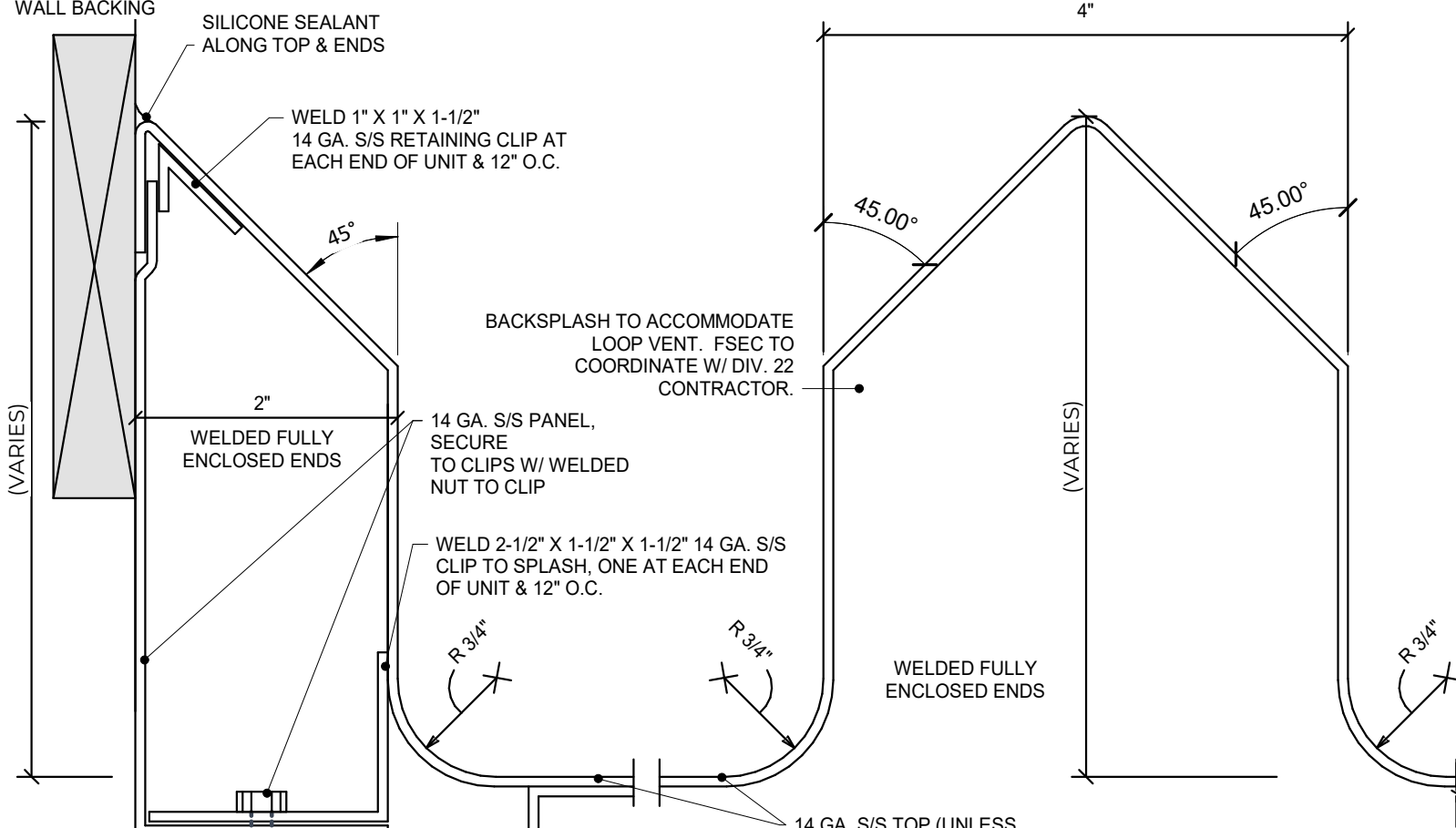
TYPE F - ANGLE EDGE



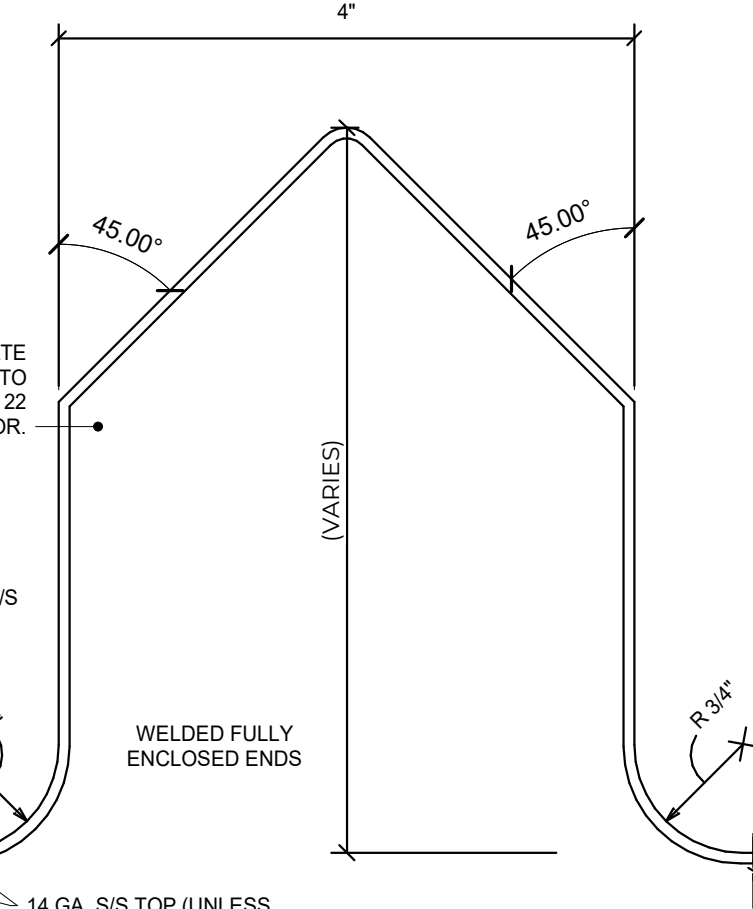
TYPE A BACKSPLASH



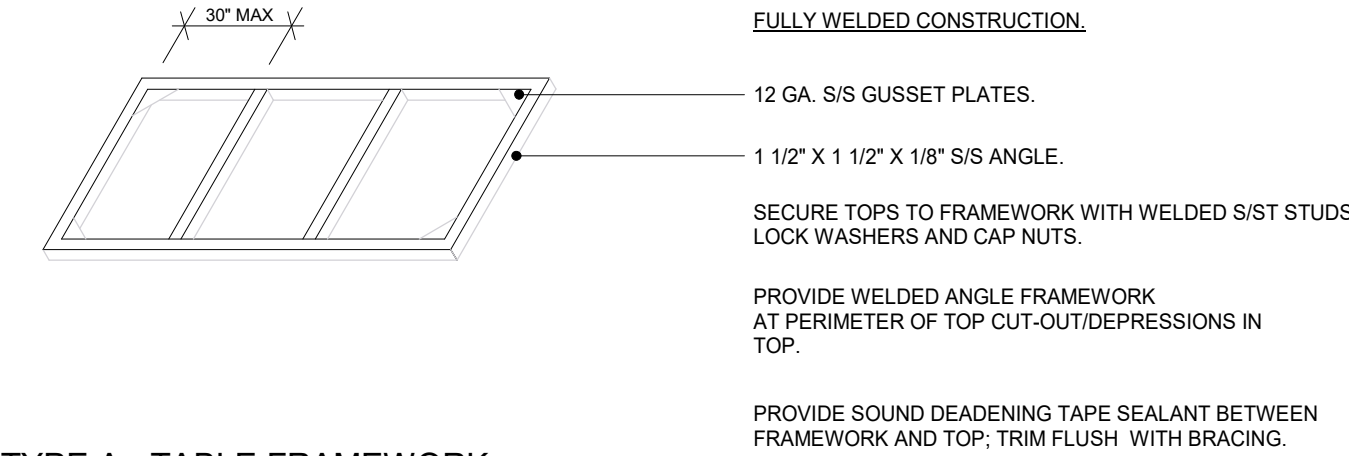
TYPE B BACKSPLASH



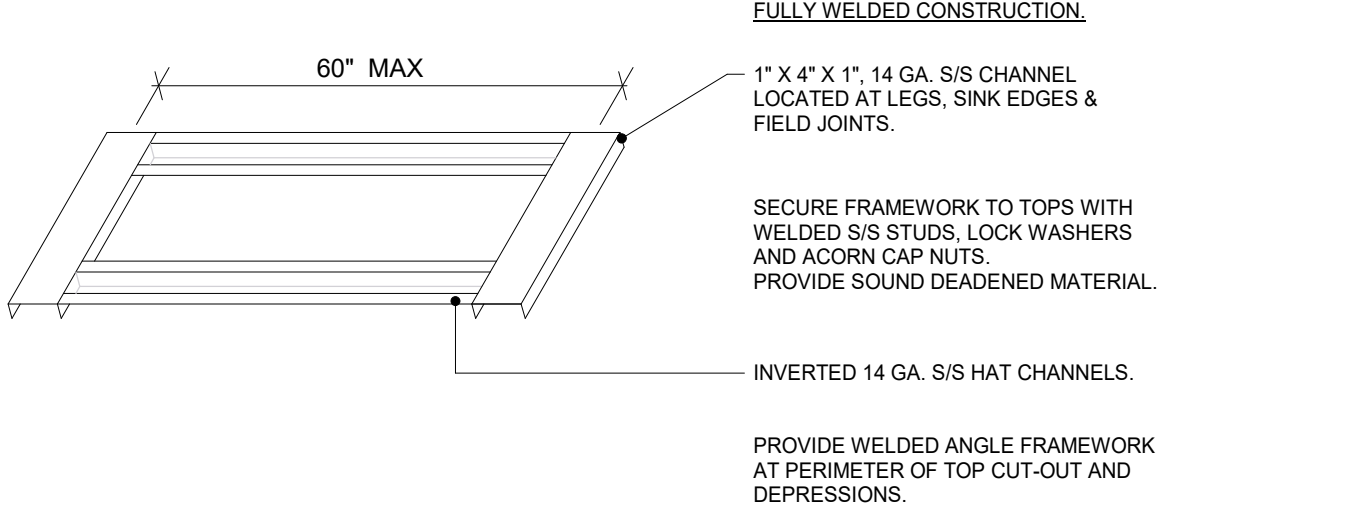
TYPE C BACKSPLASH



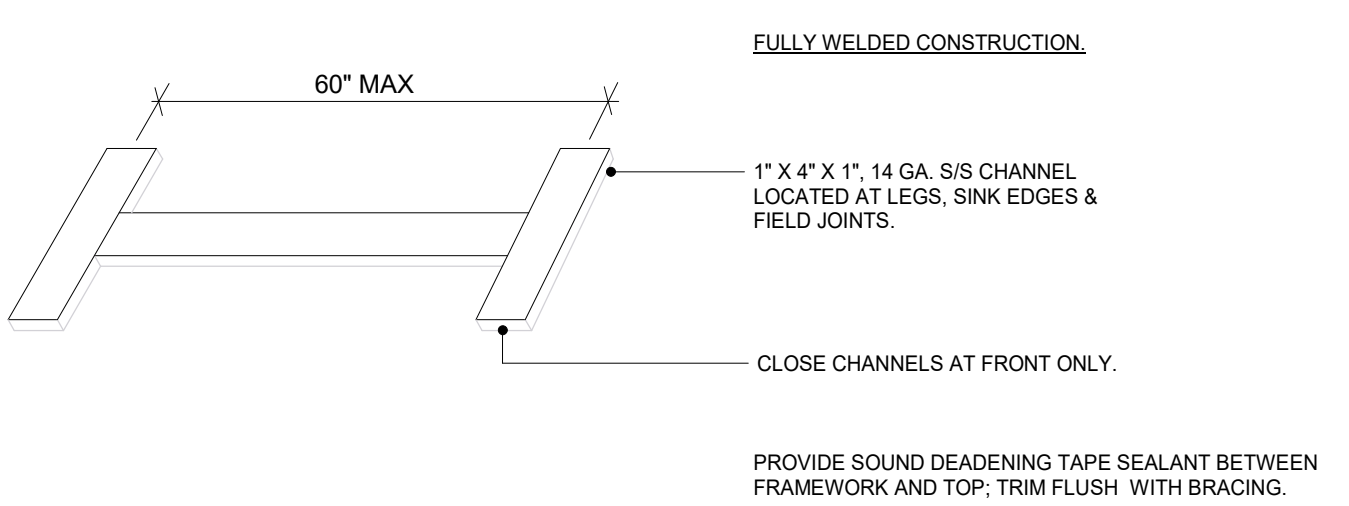
TYPE D BACKSPLASH



TYPE A - TABLE FRAMEWORK

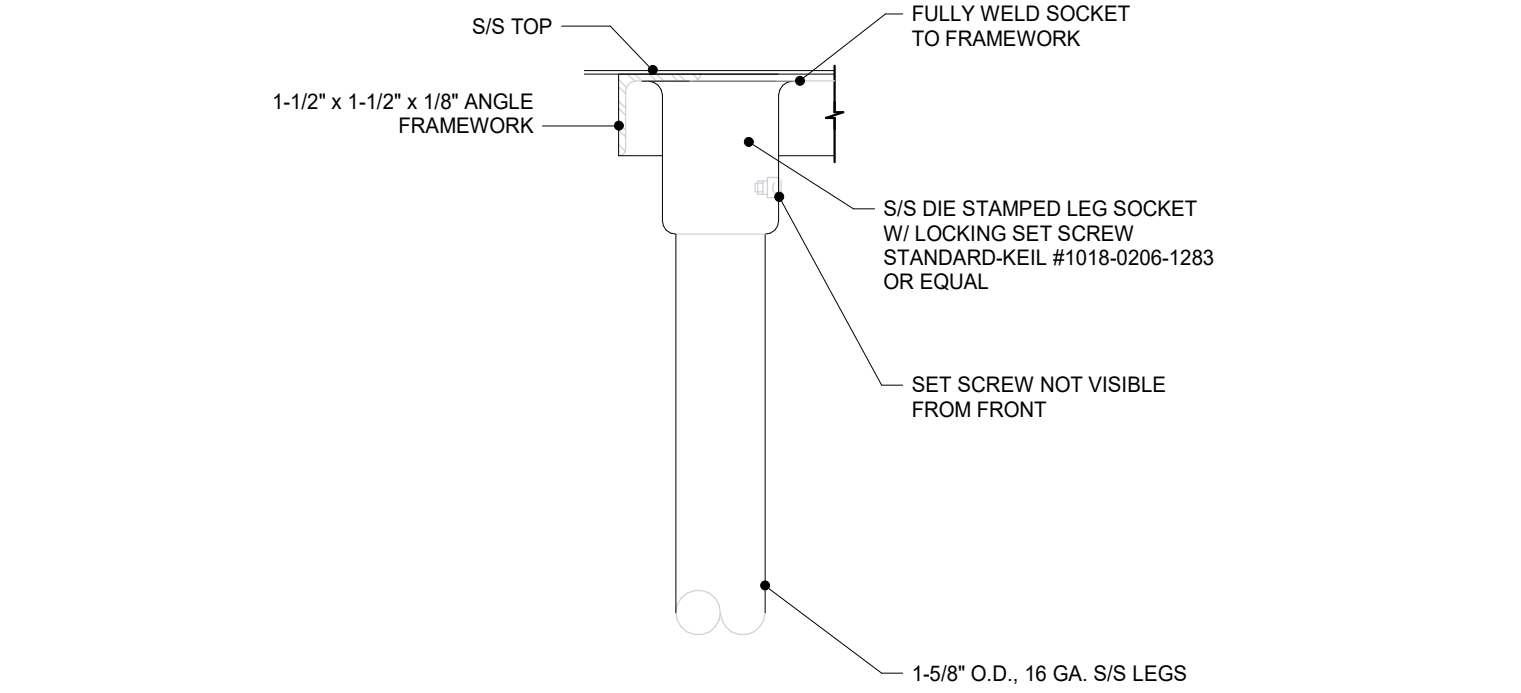


TYPE B - ALTERNATE TABLE FRAMEWORK

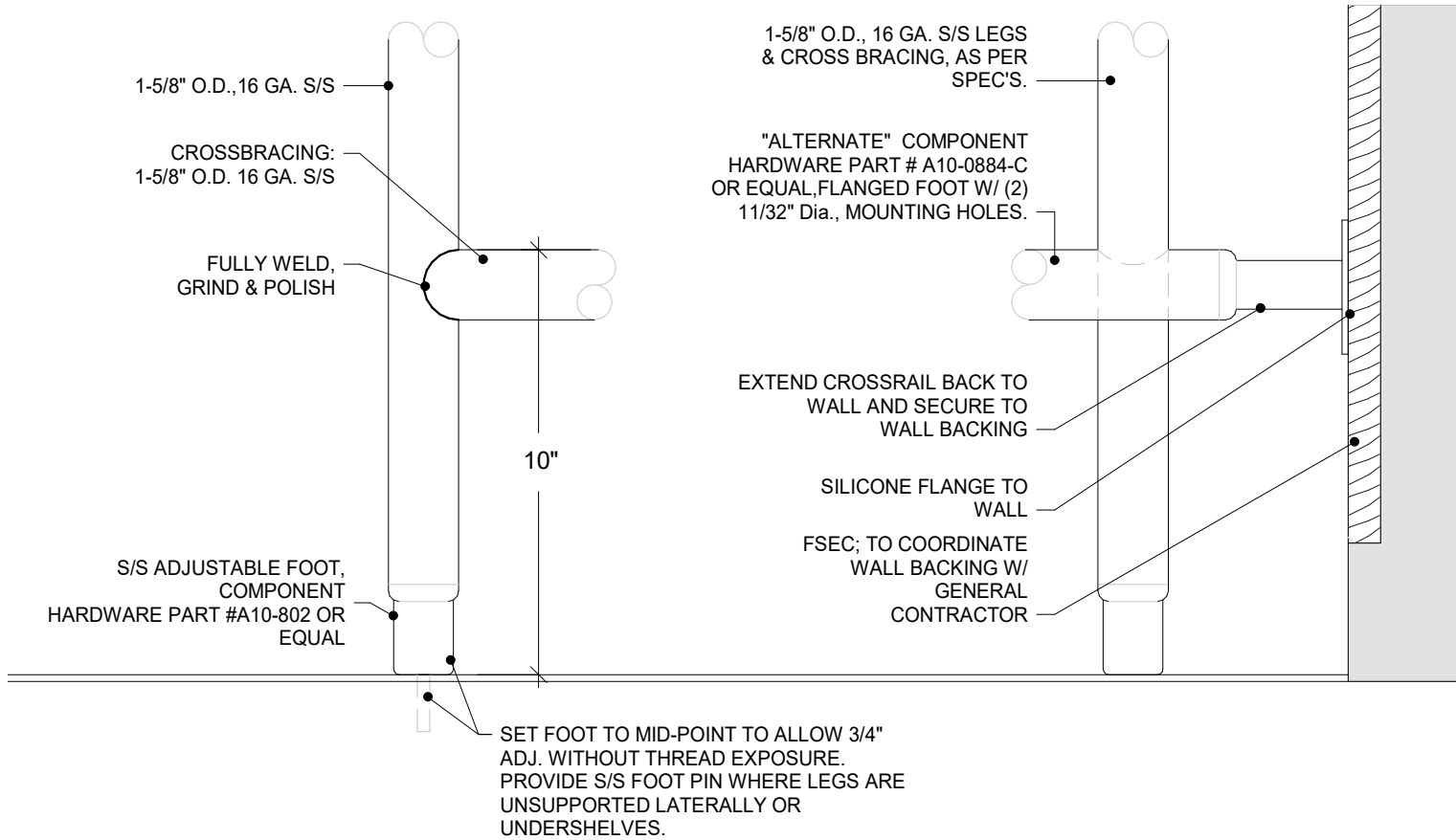


TYPE C - DRAINBOARD FRAMEWORK

1 FD-01- TABLE EDGES
NTS



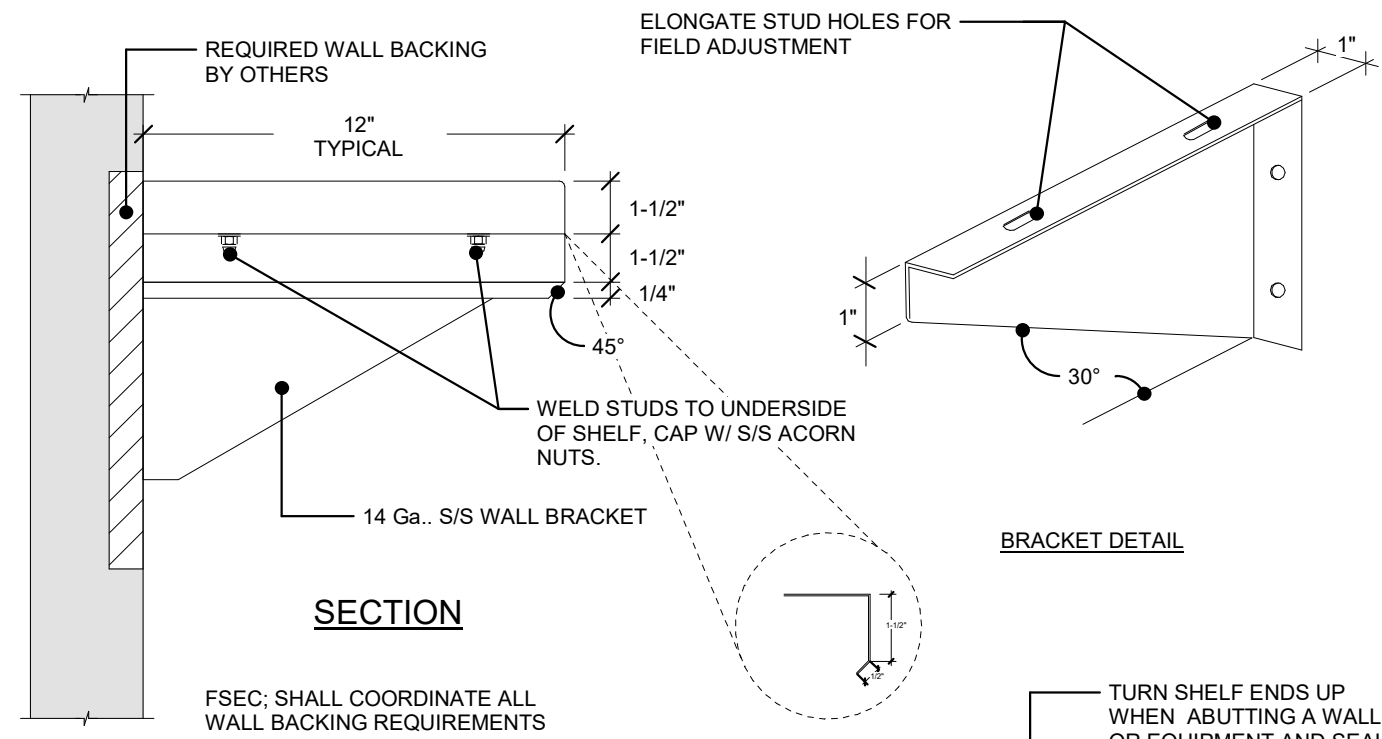
TOP OF LEG



TYPE A - LEG

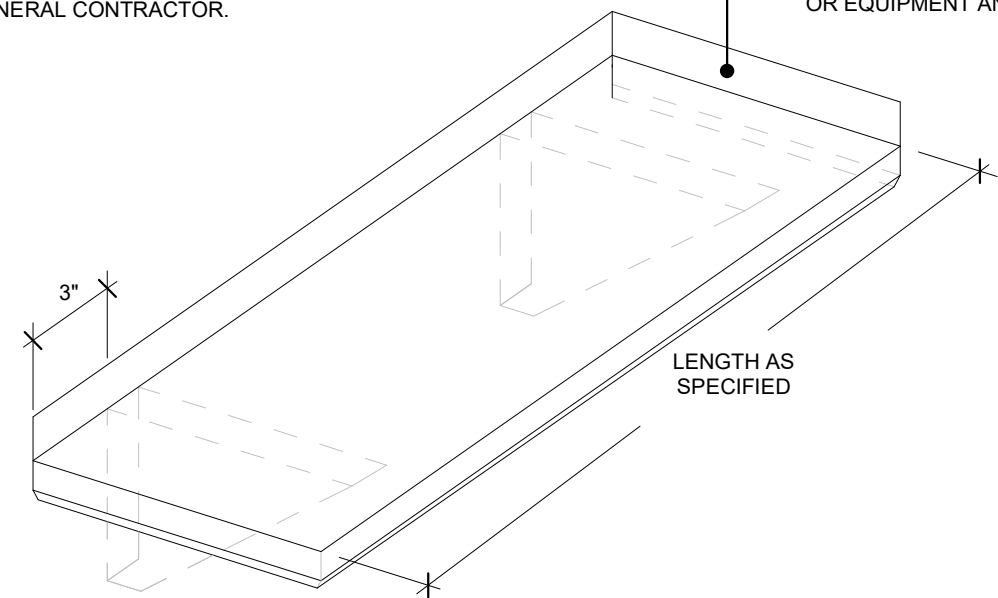
TYPE B - LEG

2 FD-02 - BACKSPLASHES
NTS



SECTION

BRACKET DETAIL

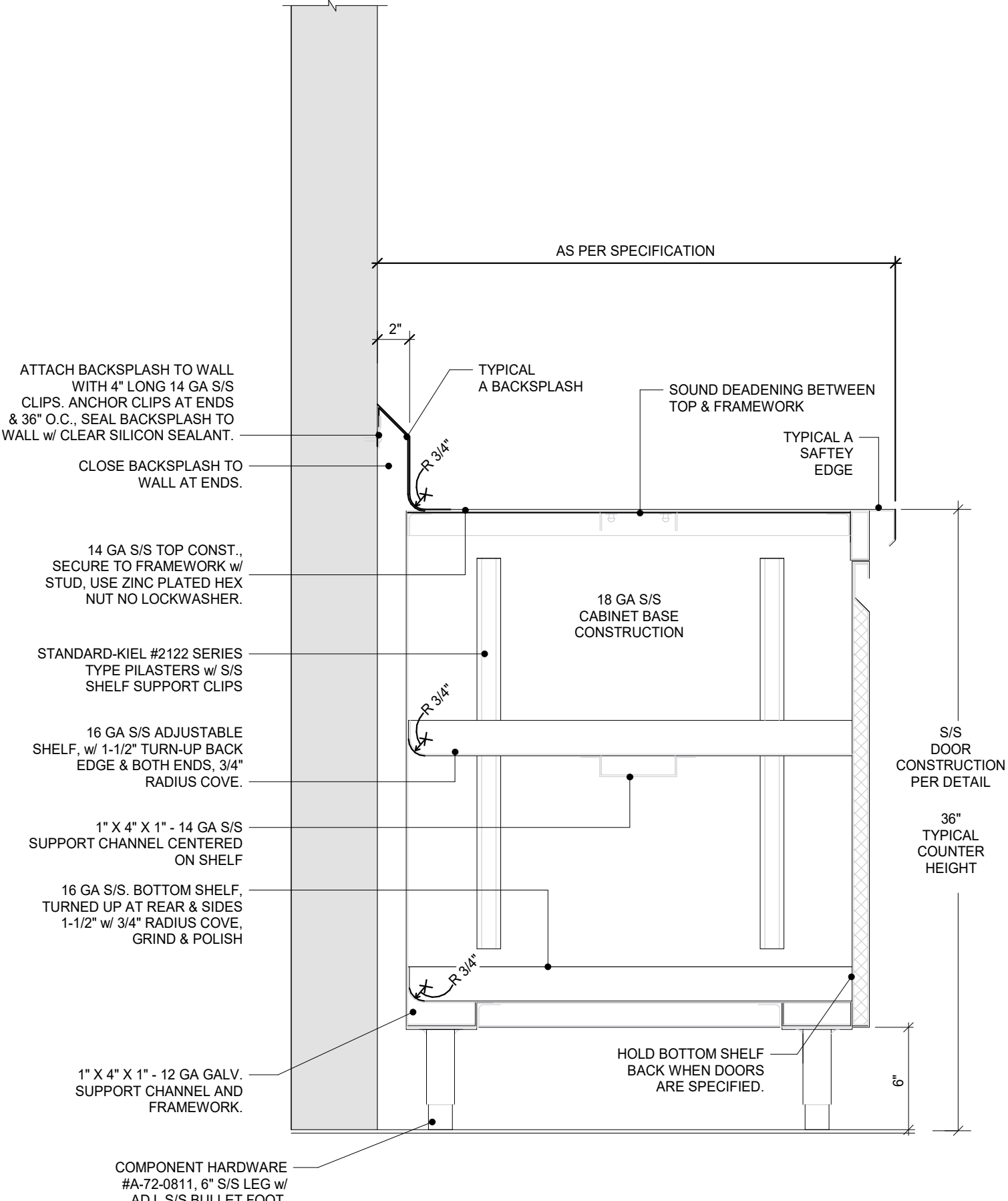


ISOMETRIC VIEW

NOTE:
MAXIMUM SPACING BETWEEN BRACKETS NOT TO EXCEED 42".
VERIFY ALL CONDITIONS AND SECURE BRACKETS WITH APPROPRIATE FASTENERS TO SUPPORT HEAVY LOADS.
TYPICAL WALL SHELF HEIGHT IS APPROX. 54" A.F.F.
VERIFY EACH SHELF HEIGHT REQUIREMENT IN PROJECT.

5 FD-10 - WALL SHELF
NTS

3 FD-03 - FRAMEWORK
NTS



6 FD-06 - CABINET BASE
NTS



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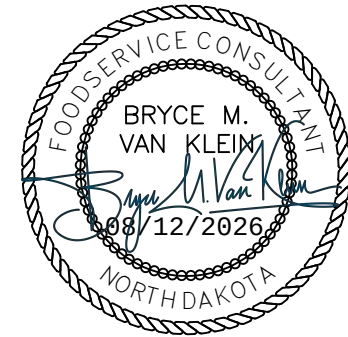
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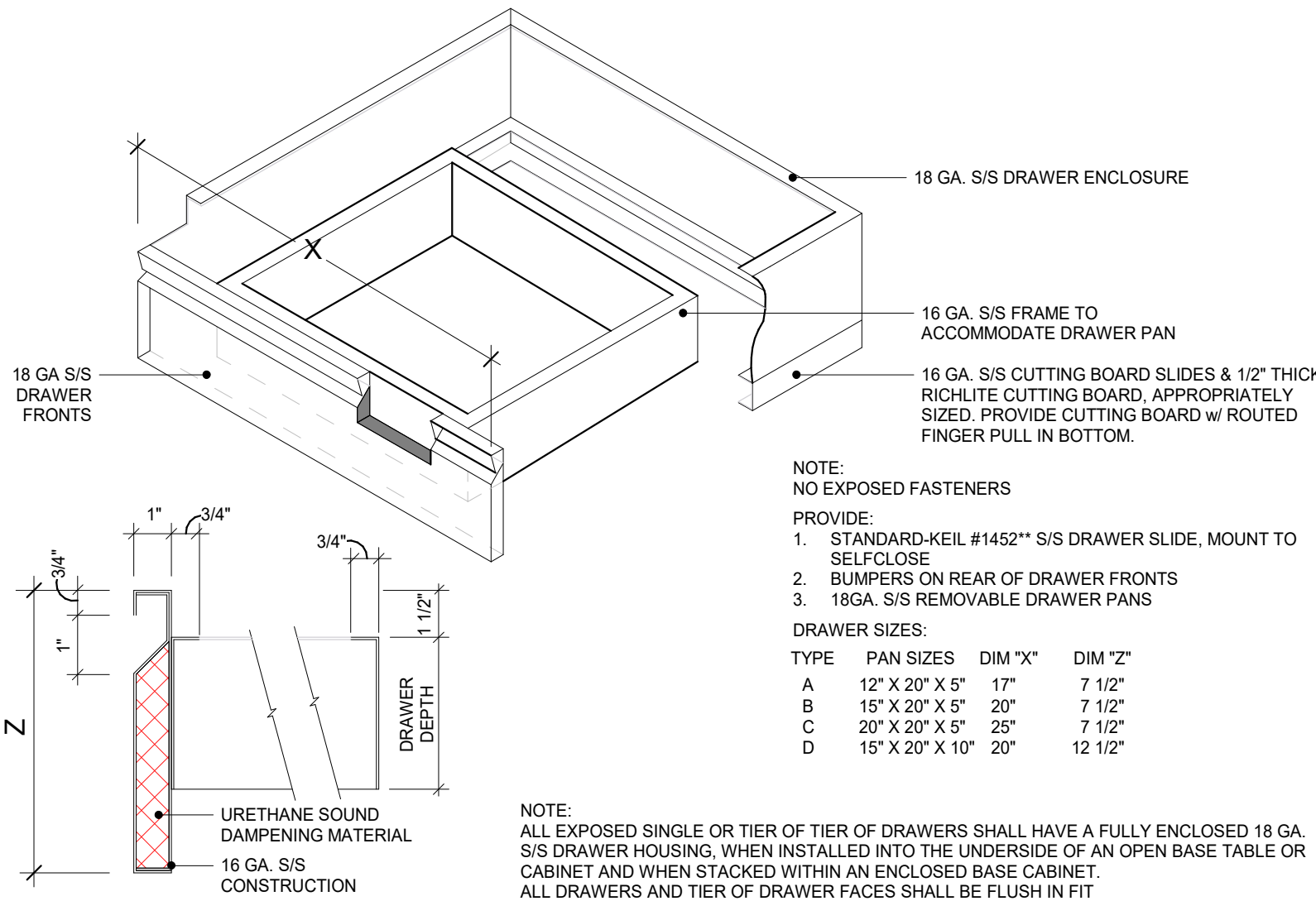
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JN: 23-018

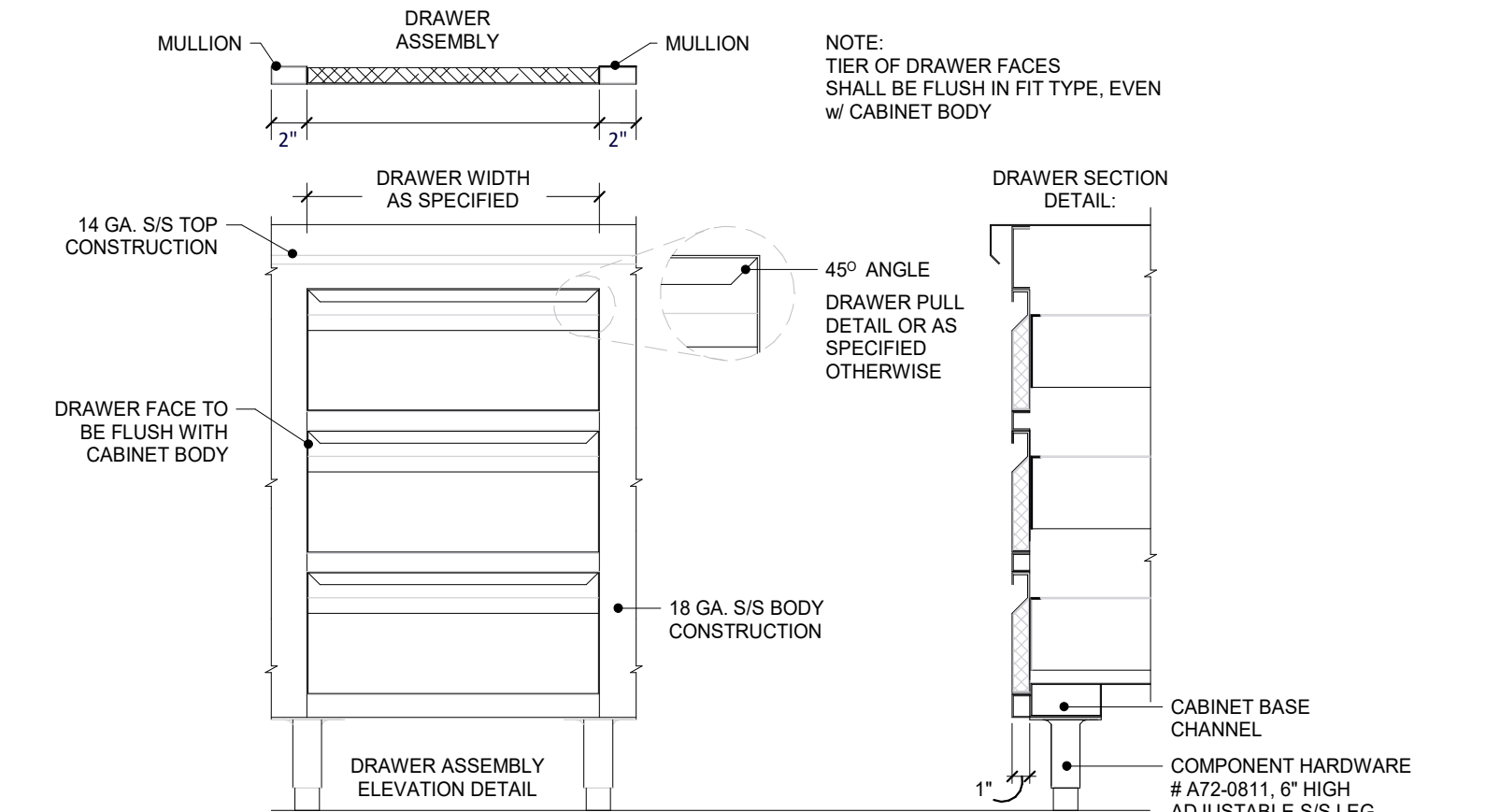
FOODSERVICE EQUIPMENT
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SHEET

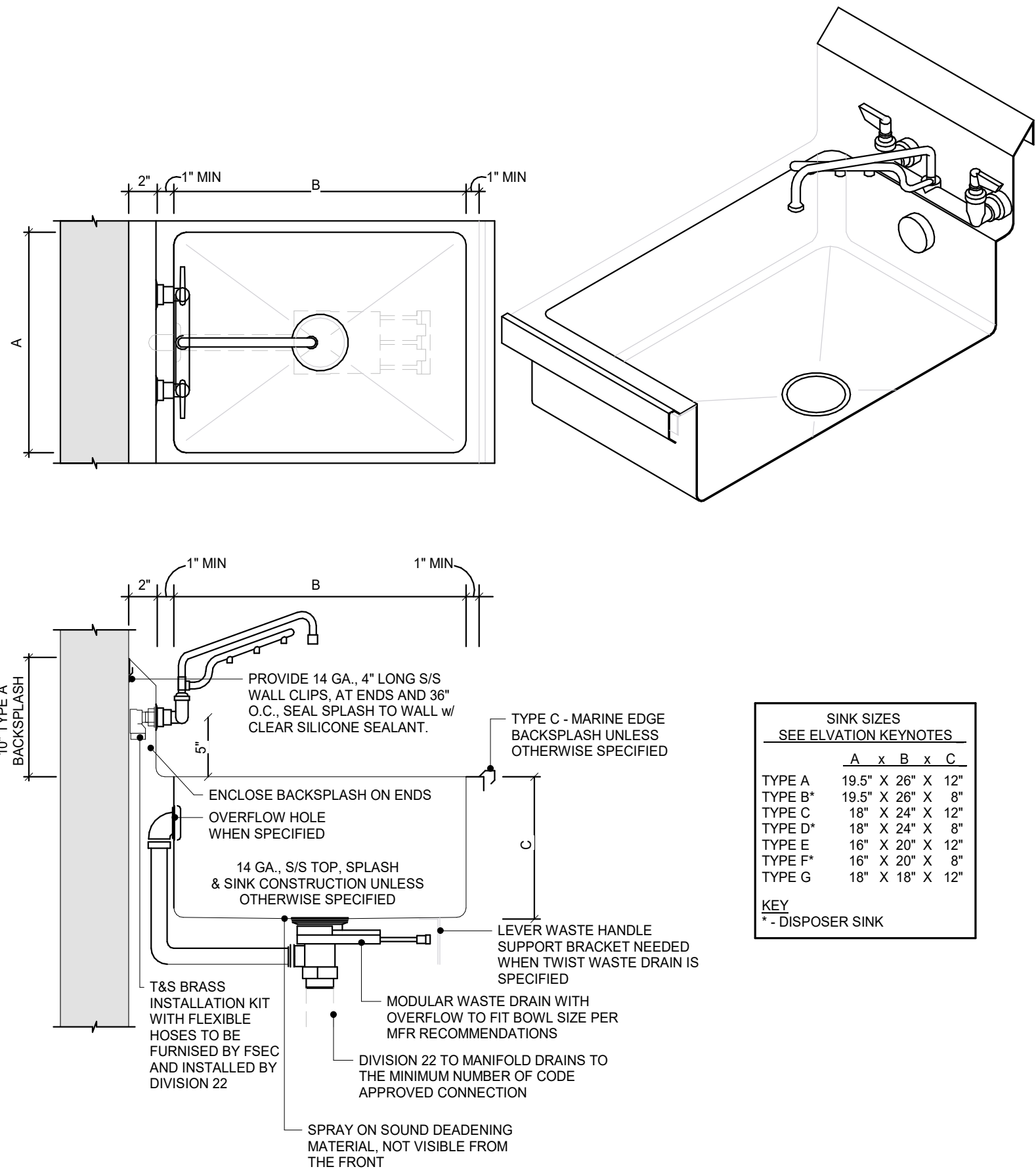
QF602



SINGLE DRAWER

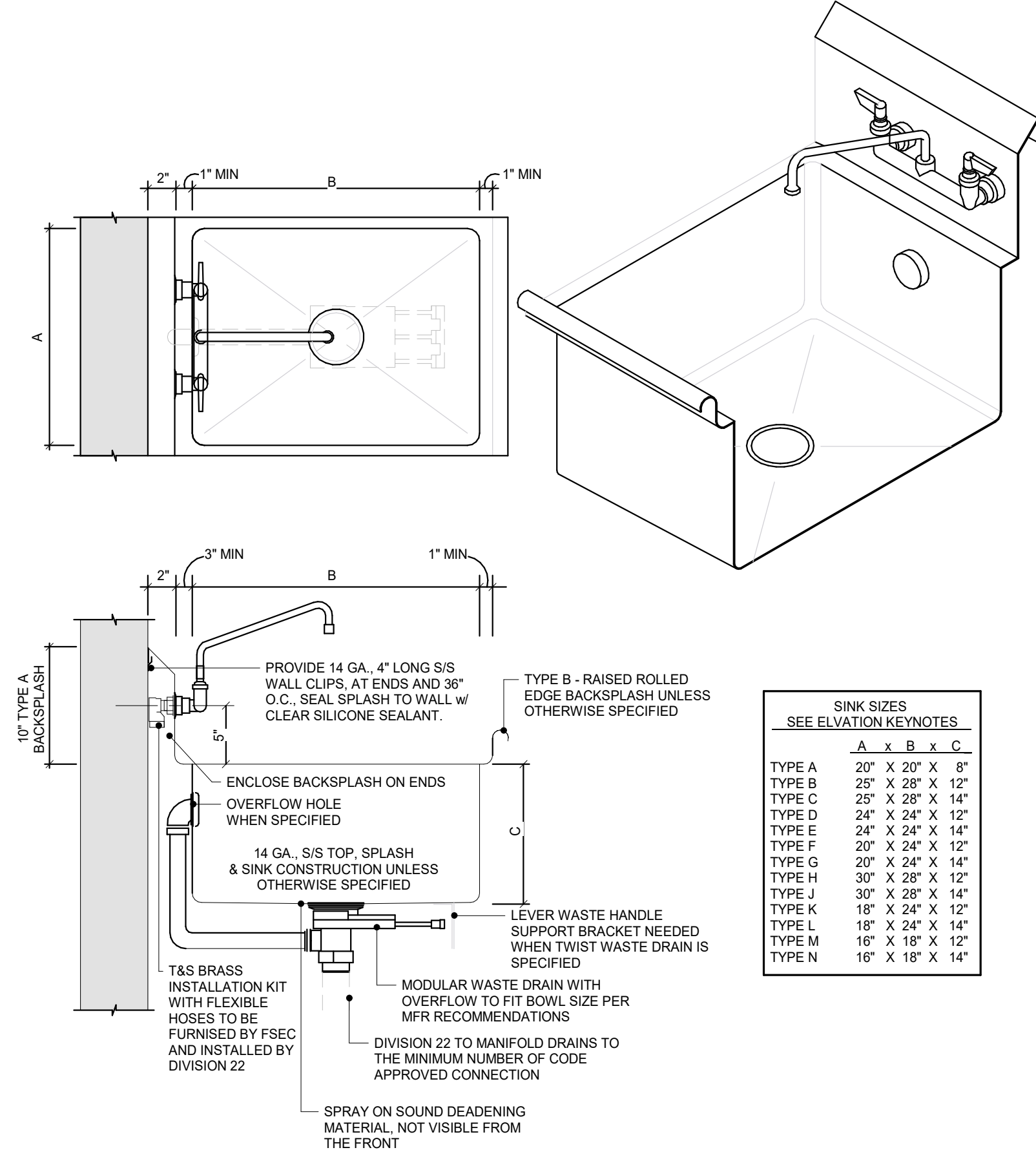


STACKED DRAWER



GENERAL NOTES:
1) FULLY WELD SINK INTO TOP & DRAINBOARDS. GRIND & POLISH SINK TO BECOME AN INTEGRAL PART OF THE S/S TOP.
2) ALL VERTICAL AND HORIZONTAL SINK CORNERS SHALL BE COVERED WITH A 3/4\"/>

2 FD-07 - PREP SINK
NTS



GENERAL NOTES:
1) FULLY WELD SINK INTO TOP & DRAINBOARDS. GRIND & POLISH SINK TO BECOME AN INTEGRAL PART OF THE S/S TOP.
2) ALL VERTICAL AND HORIZONTAL SINK CORNERS SHALL BE COVERED WITH A 3/4\"/>

3 FD-08 - WAREWASHING SINK
NTS



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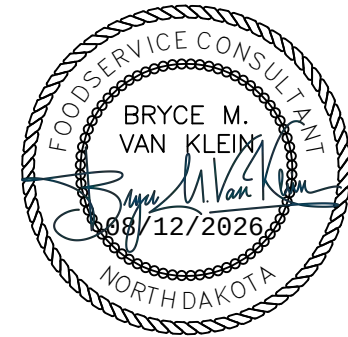
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MINOT, ND 58701
(701) 852.6363 OFFICE

CIVIL

MOORE ENGINEERING
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WILLISTON, ND 58801
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FOODSERVICE

FOODSERVICE CONCEPT DESIGN
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SUITE 300 -7043
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DOCUMENTS

DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

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FOODSERVICE EQUIPMENT
DETAILS

SHEET

QF603



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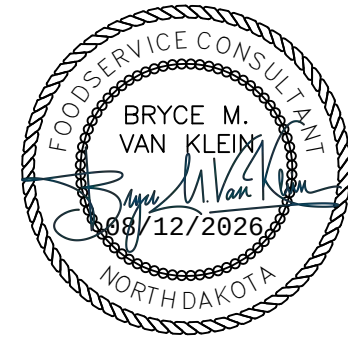
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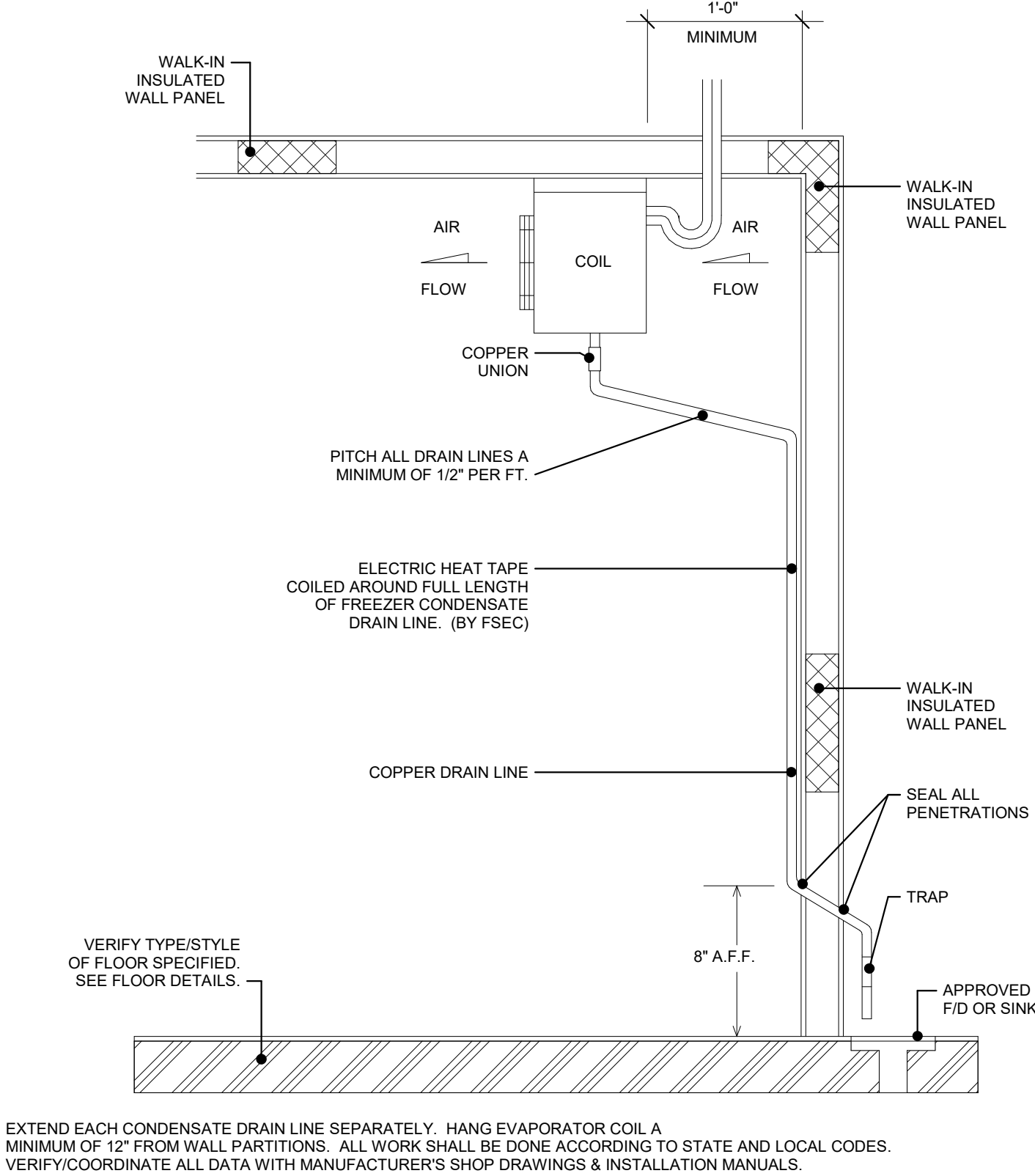
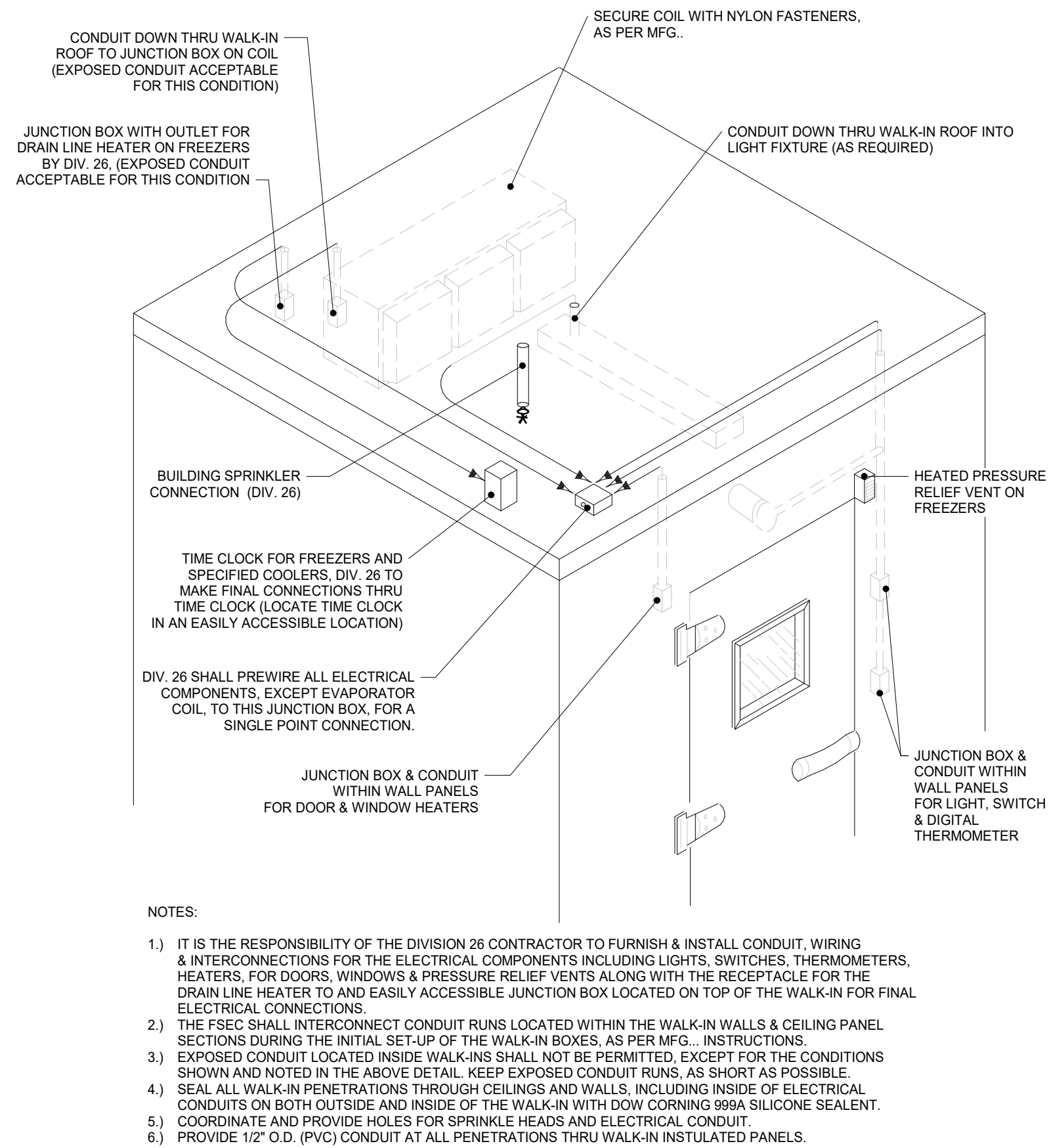
NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

DRAWN BY: MJH JN: 23-018

**FOODSERVICE EQUIPMENT
DETAILS - WALK-IN**

SHEET

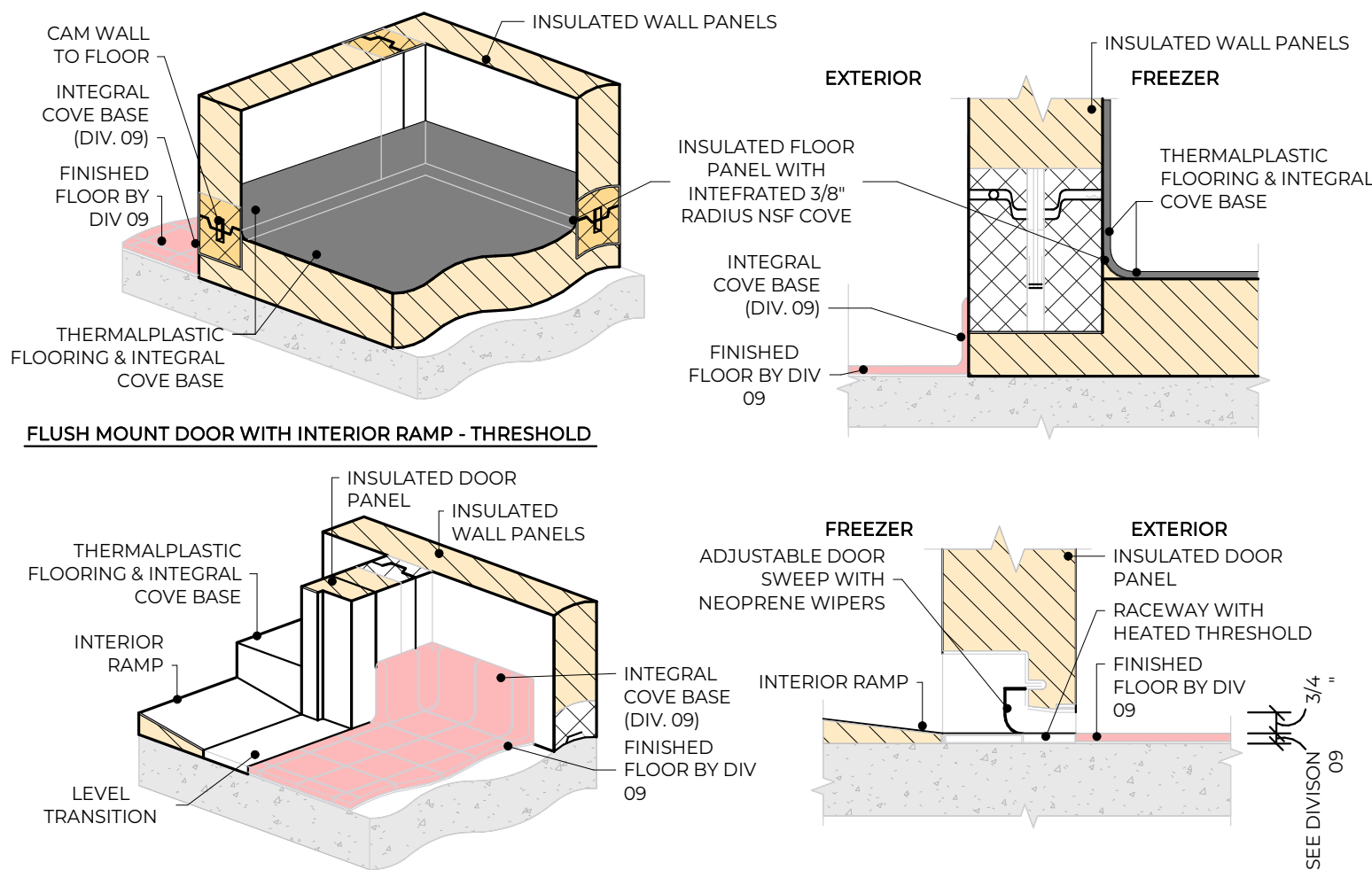
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**1 CD-06 - COLD STORAGE ROOM
NTS**

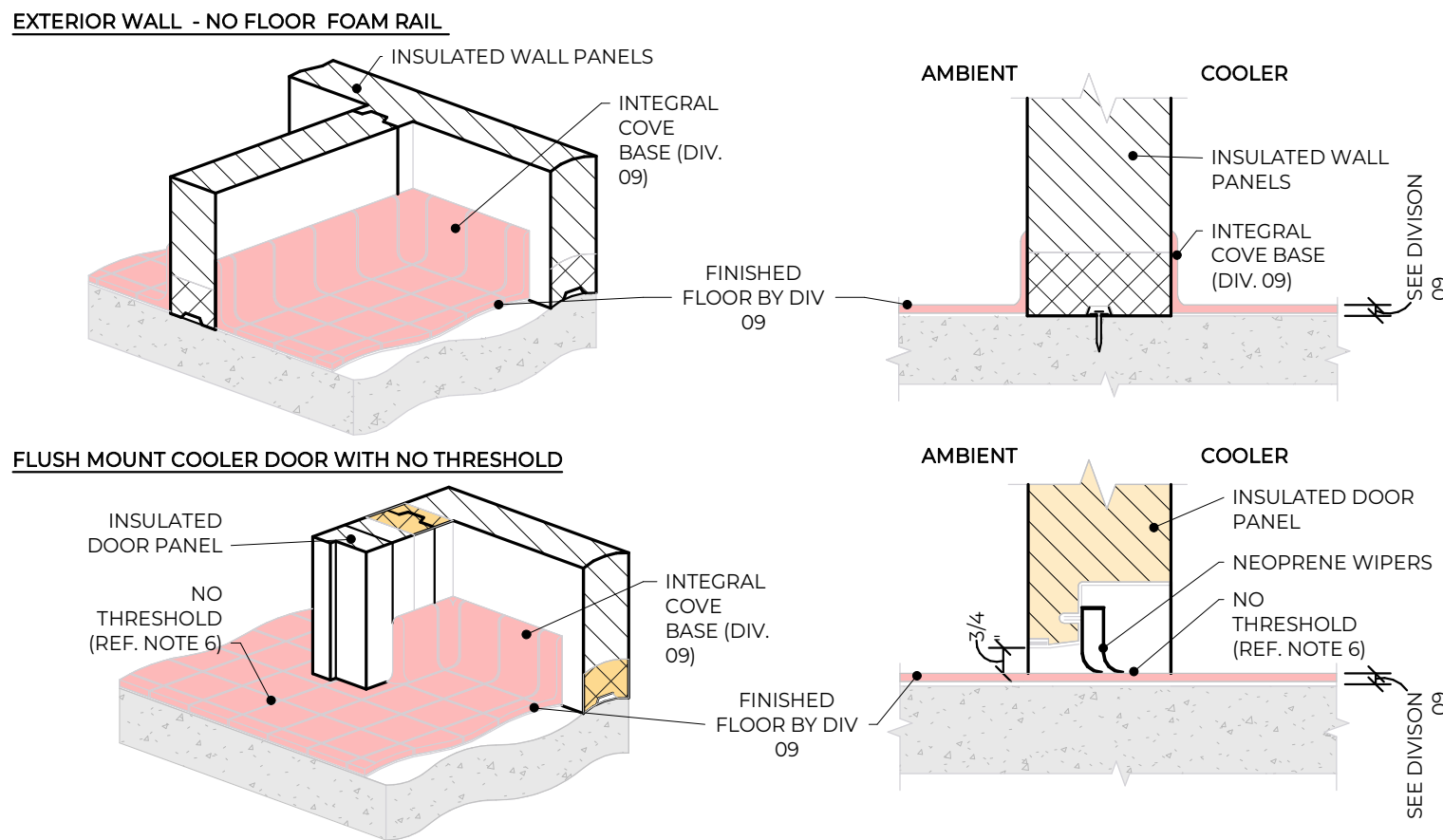
**4 CD-13 - WIC CONDENSATE DRAIN LINE
NTS**

STANDARD 1000PSF FLOOR (NON-RECESSED) - LOCK TO WALLS FOAM RAIL



- NOTES:
1. THE FSEC SHALL PROVIDE CRITICAL HOLD-TO-DIMENSIONS IN THEIR COORDINATION DRAWING SUBMITTAL WITH AT LEAST 2" OF CLEARANCE FROM ADJACENT BUILDING WALLS ON ALL SIDES. THE FSEC SHALL VERIFY THESE CRITICAL DIMENSIONS IN THE FIELD PRIOR TO INSTALLATION.
 2. THE FSEC SHALL FURNISH AND INSTALL THE WALK-IN COOLER/FREEZER COMPLEX INCLUDING ALL INSULATED FLOOR PANELS PER SECTION 11 40 00. URETHANE SHALL BE UL APPROVED FOAMED-IN-PLACE AND BIND COMPLETELY TO THE METAL SKINS TO FORM A RIGID 4" THICK INSULATED PANEL WHEN COMPLETELY CURED.
 3. THE FSEC SHALL ADJUST THE DOOR HEIGHTS AND GASKET SWEEPS TO ENSURE A FUNCTIONAL SEAL.

**3 CD-07 - TYPE D - COOLER/FREEZER FLOOR WITH RAMP & THRESHOLD
NTS**



- NOTES:
1. THE FSEC SHALL PROVIDE CRITICAL HOLD-TO-DIMENSIONS IN THEIR COORDINATION DRAWING SUBMITTAL WITH AT LEAST 2" OF CLEARANCE FROM ADJACENT BUILDING WALLS ON ALL SIDES. THE FSEC SHALL VERIFY THESE CRITICAL DIMENSIONS IN THE FIELD PRIOR TO INSTALLATION.
 2. THE FSEC SHALL FURNISH AND INSTALL THE WALK-IN COOLER/FREEZER COMPLEX INCLUDING ALL INSULATED FLOOR PANELS PER SECTION 11 40 00. URETHANE SHALL BE UL APPROVED FOAMED-IN-PLACE AND BIND COMPLETELY TO THE METAL SKINS TO FORM A RIGID 4" THICK INSULATED PANEL WHEN COMPLETELY CURED.
 3. FINISHED FLOOR BY DIV. 09. THE FINISHED FLOOR SHALL BE CONTINUOUS THROUGH THE COLD STORAGE ROOM OPENINGS TO ENSURE A SMOOTH TRANSITION WITH NO THRESHOLD.
 4. THE FSEC SHALL ADJUST THE DOOR HEIGHTS AND GASKET SWEEPS TO ENSURE A FUNCTIONAL SEAL.

**2 CD-07 - TYPE C - COOLER - COMMON WALL - NO FLOOR - DOOR WITH NO THRESHOLD
NTS**



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ELECTRICAL

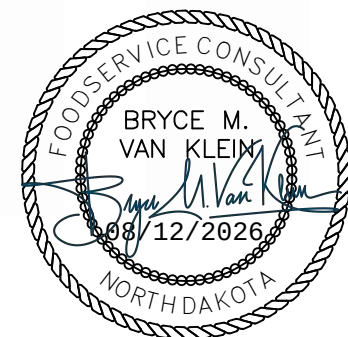
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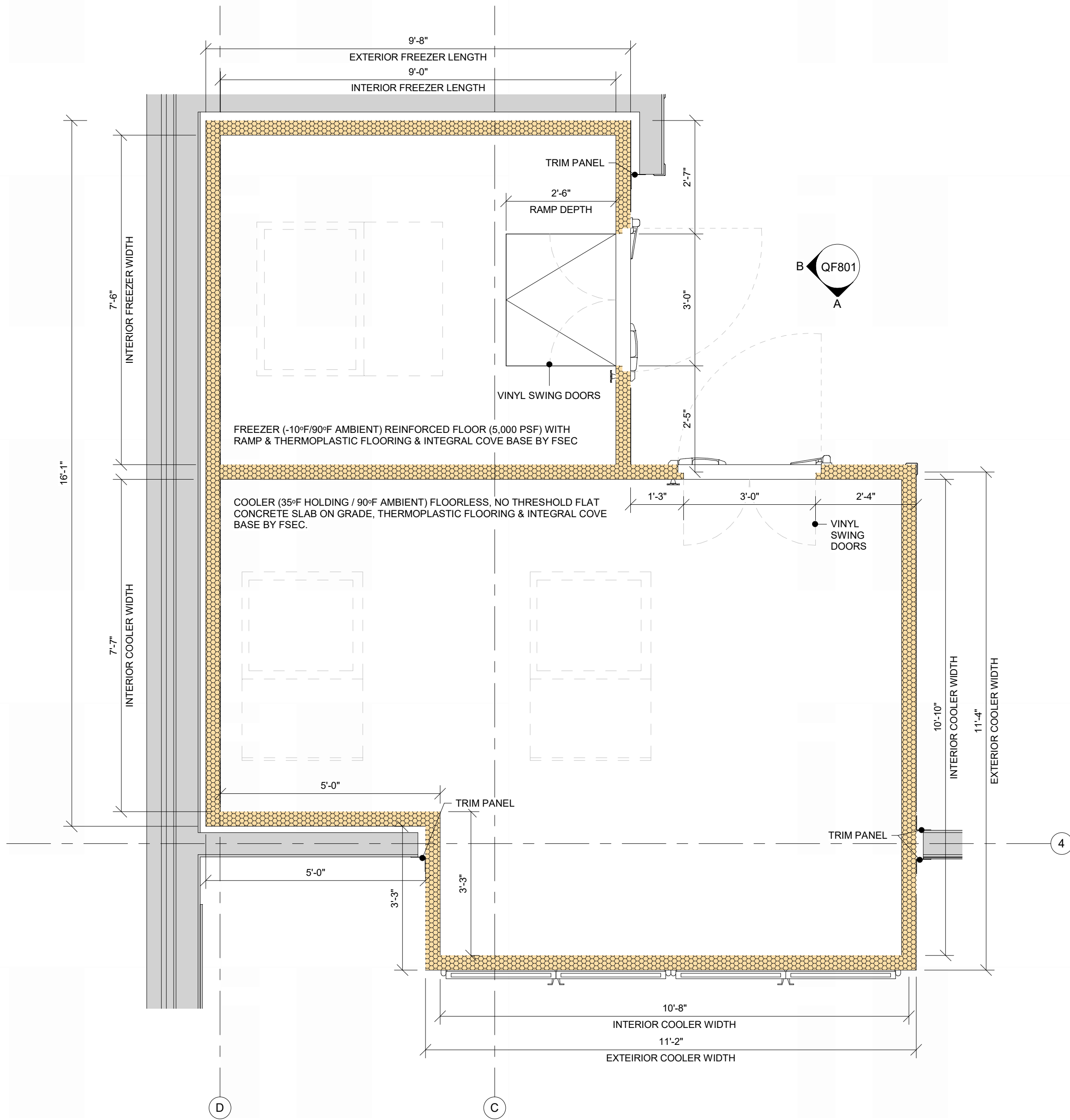
NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

DRAWN BY: MJH JN: 23-018

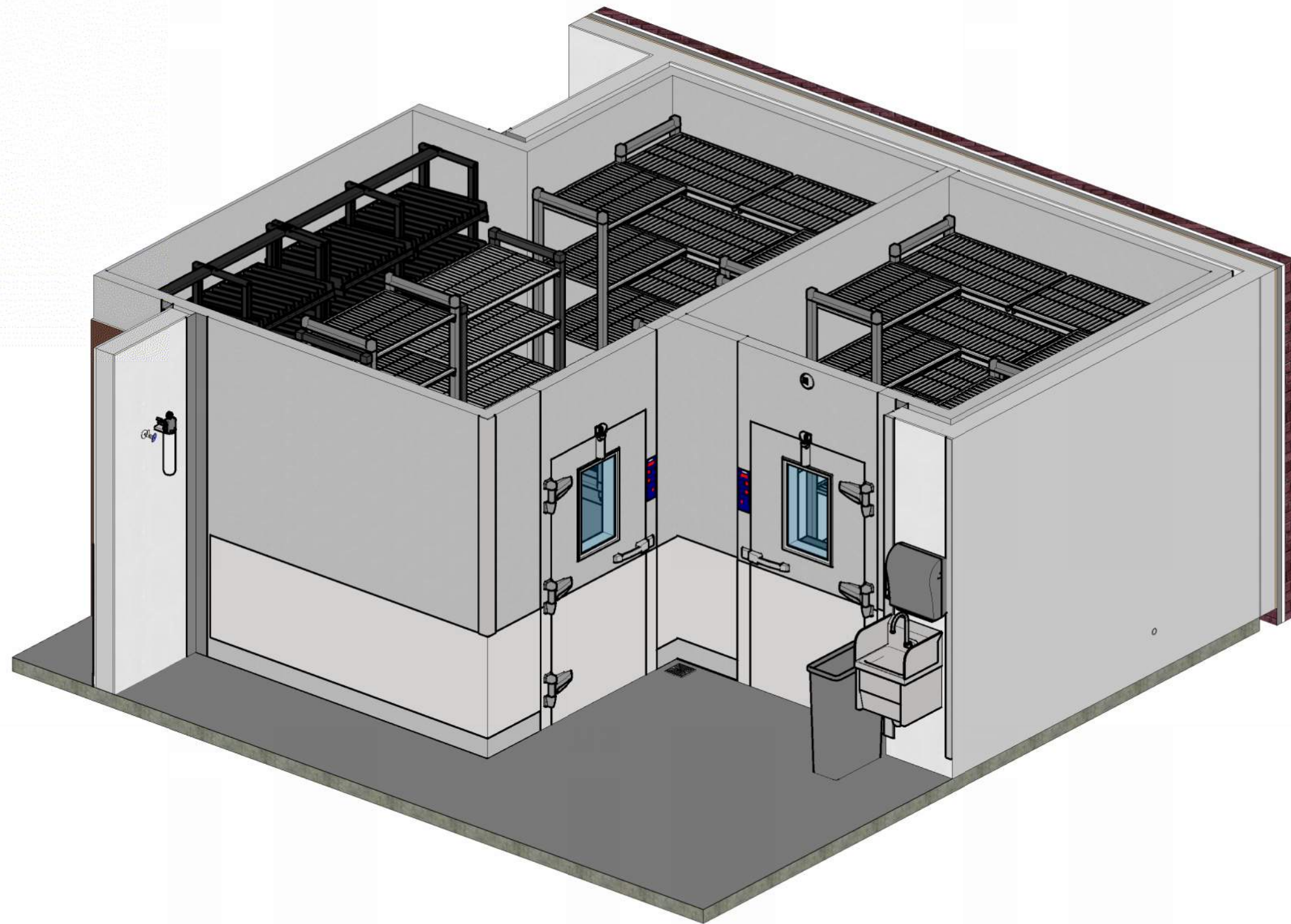
**FOODSERVICE WALK-IN
DETAILS**

SHEET

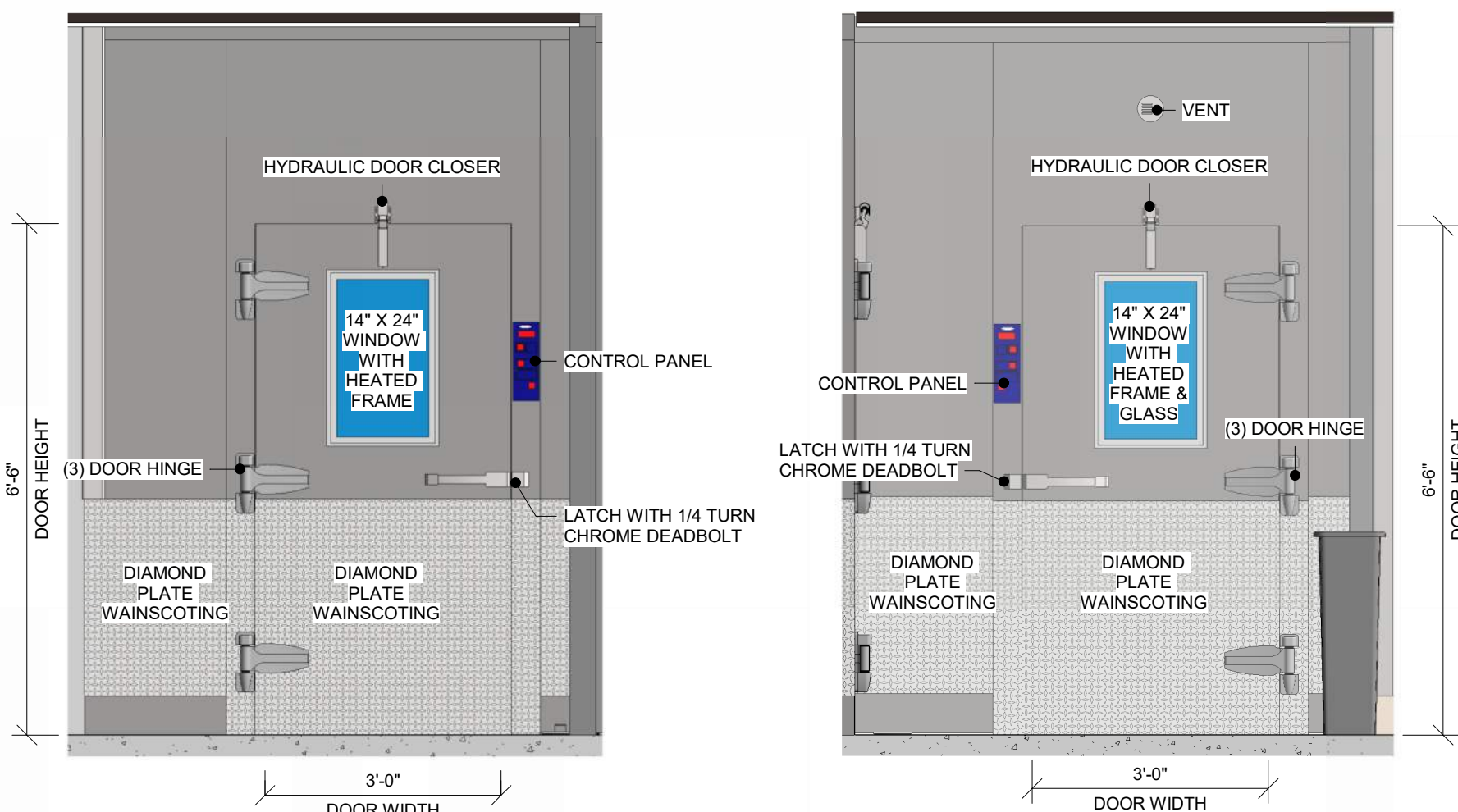
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1 FOODSERVICE WALK-IN PLAN
1/2" = 1'-0"

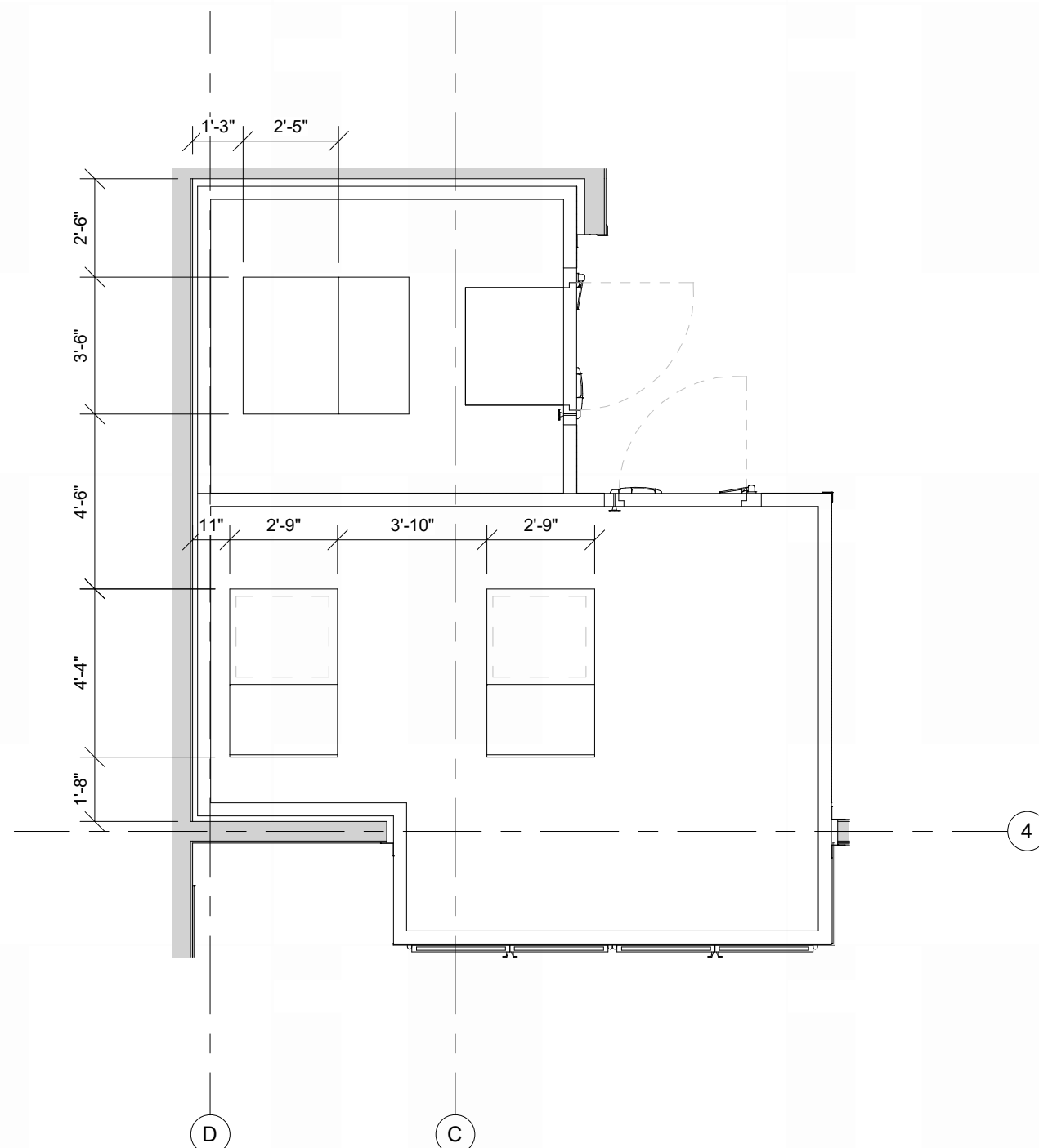


2 COLD STORAGE AXON VIEW
NTS

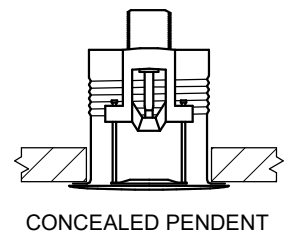


A COLD STORAGE - COOLER ELEVATION
1/2" = 1'-0"

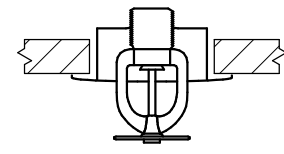
B COLD STORAGE - FREEZER ELEVATION
1/2" = 1'-0"



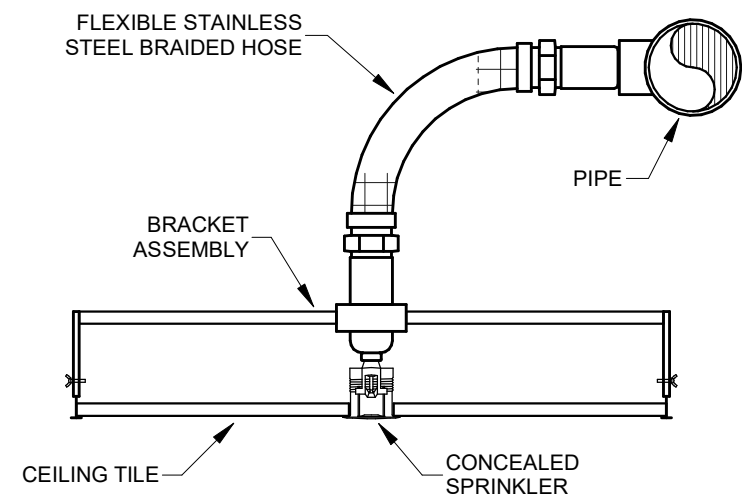
3 FOODSERVICE EQUIPMENT PLAN - T.O. WALK-IN
1/4" = 1'-0"



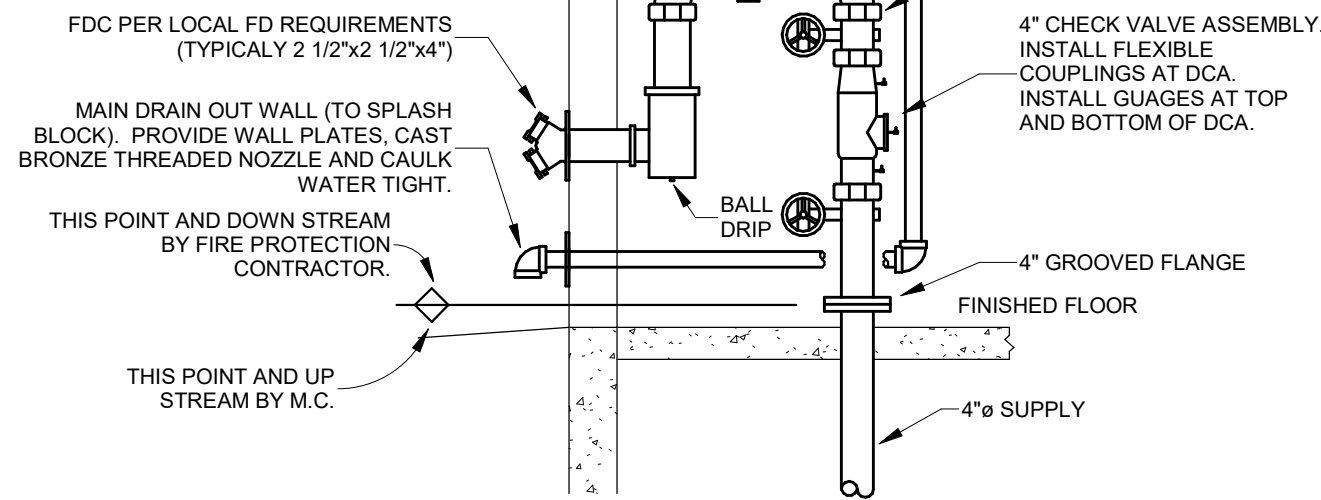
CONCEALED PENDENT



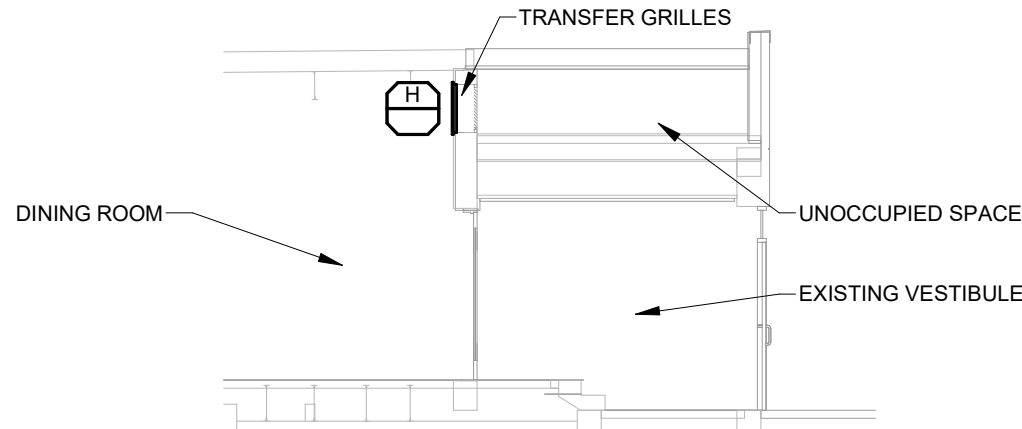
SEMI-RECESSED PENDENT



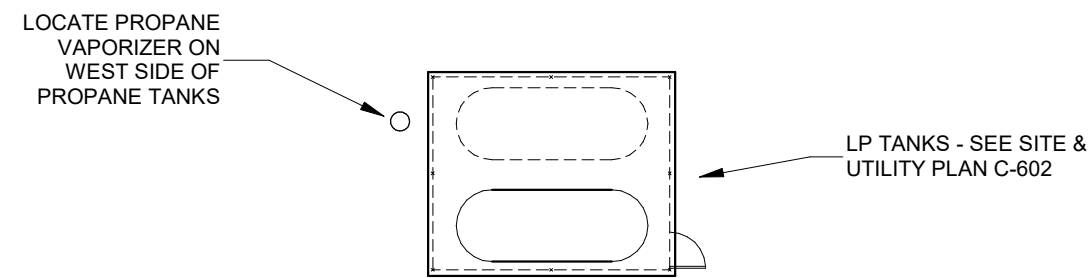
FLEXIBLE DROP DETAIL



FIRE SPRINKLER RISER DETAIL

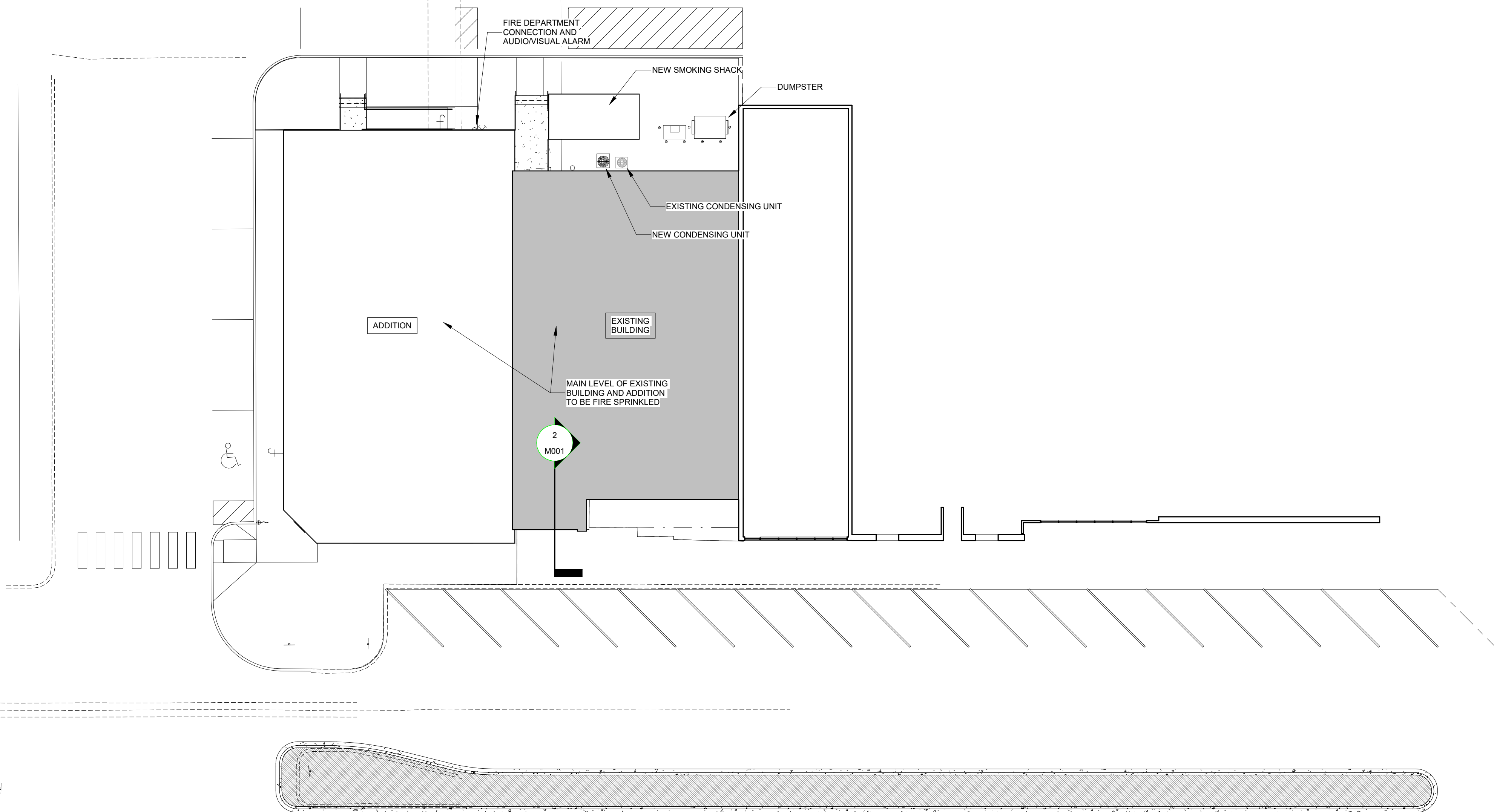


EXISTING VESTIBULE SECTION



LOCATE PROPANE VAPORIZER ON WEST SIDE OF PROPANE TANKS

LP TANKS - SEE SITE & UTILITY PLAN C-602



SITE PLAN

PROJECT DESIGN CONDITIONS BISMARCK, NORTH DAKOTA				
	SUMMER			WINTER
	DB	WB	DEW PT.	DB
OUTDOOR	91°F	69°F	N/A	-20°F
INDOOR	75°F	N/A	55°F	72°F

PIPING VALVE & ACCESSORY LEGEND	
	BALL VALVE
	BALL VALVE INDICATOR
	BUTTERFLY VALVE
	GATE VALVE
	VENTURI
	CHECK VALVE
	2-WAY HYDRONIC CONTROL VALVE
	2-WAY DOMESTIC CONTROL VALVE
	3-WAY CONTROL VALVE
	DRAIN VALVE
	STRAINER
	MANUAL AIR VENT
	AUTO AIR VENT
	TEMPERATURE GAUGE
	PRESSURE GAUGE
	SENSOR
	CIRCUIT SOLVER
	UNION

HVAC LEGEND	
	POSITIVE PRESSURE DUCT
	NEGATIVE PRESSURE DUCT
	MANUAL DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER
	COMB. SMOKE/FIRE DAMPER
	BACK DRAFT DAMPER
	ACCESS DOOR
	ELBOW WITH TURNING VANES
	HI-EFFICIENCY TAKEOFF (W/ VOLUME DAMPER)
	FLEXIBLE DUCT
	CONNECT TO EXISTING
	AIR TERMINAL TAG
	AIR TERMINAL MARK
	AIR TERMINAL CFM
	AIR TERMINAL SIZE

ND STATE BUILDING CODES	
(IBC)	2021 INTERNATIONAL BUILDING CODE
(IRC)	2021 INTERNATIONAL RESIDENTIAL CODE
(IMC)	2021 INTERNATIONAL MECHANICAL CODE
(IFGC)	2021 INTERNATIONAL FUEL GAS CODE
(IECC)	2021 INTERNATIONAL ENERGY CONSERVATION CODE
(IEBC)	2021 INTERNATIONAL EXISTING BUILDING CODE
(UPC)	2018 NORTH DAKOTA PLUMBING CODE

PIPING LEGEND	
	SANITARY WASTE
	SANITARY WASTE
	VENT
	DOMESTIC COLD WATER
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER
	RECIRC HOT WATER
	RECIRC HOT WATER
	CONDENSATE DRAIN
	PROPANE
	CONNECT TO EXISTING

LINE TYPE LEGEND	
	EXISTING
	NEW
	REMOVE
	HIDDEN
	MATCHLINE

SPRINKLER HEAD LEGEND	
	UPRIGHT HEAD
	PENDENT HEAD
	CONCEALED PENDENT HEAD
	RECESSED HEAD
	UPRIGHT HEAD W/ GUARD
	PENDENT HEAD W/ GUARD
	DRY PENDENT



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NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

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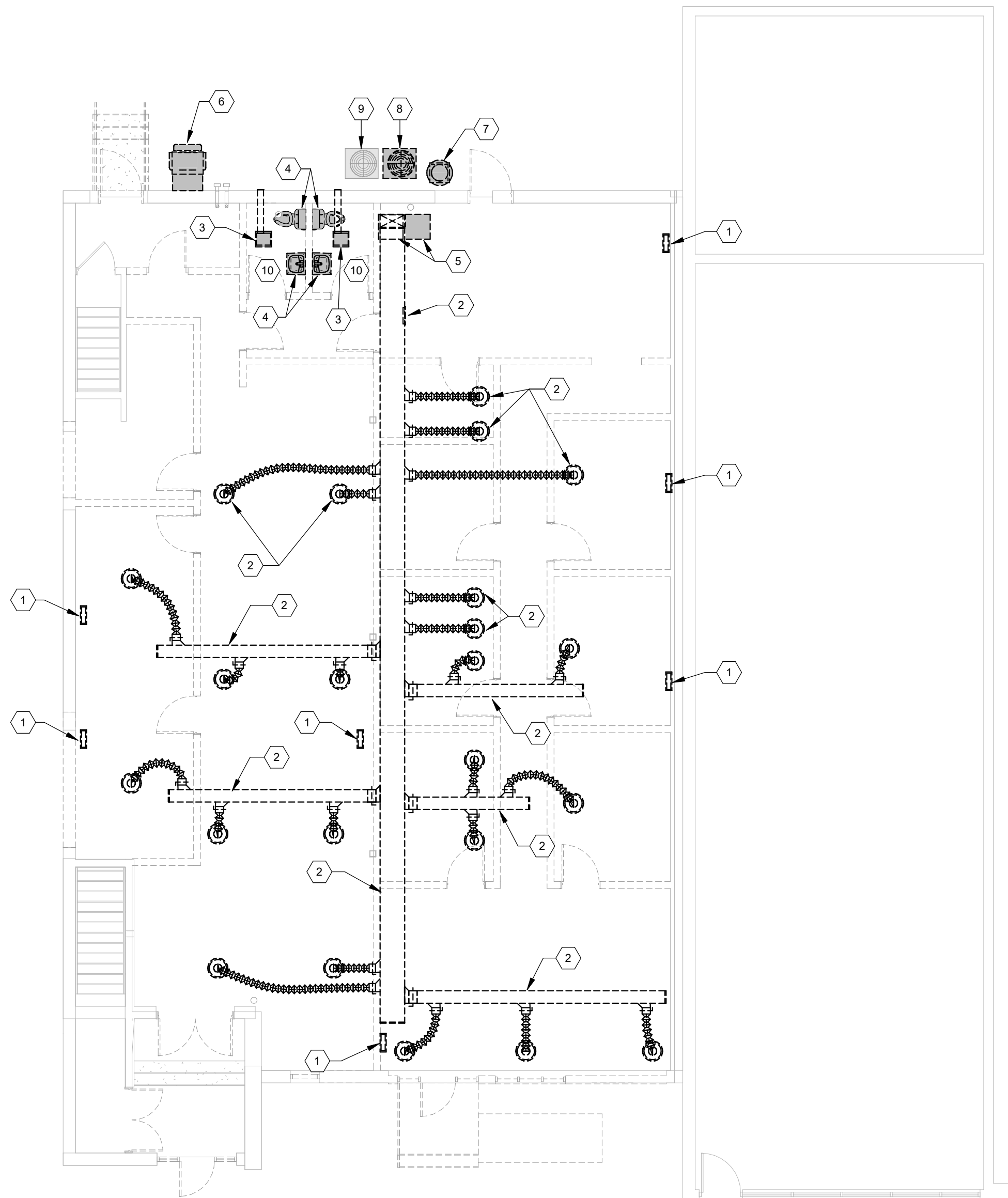
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SHEET

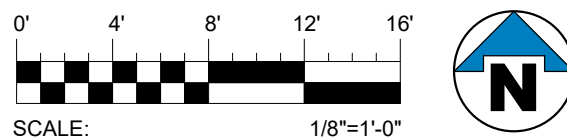
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MECHANICAL DEMOLITION PLAN



LINE TYPE LEGEND	
	EXISTING
	NEW
	REMOVE
	HIDDEN
	MATCHLINE

KEYNOTE LEGEND	
1	REMOVE FLOOR AIR TERMINAL. CAP ASSOCIATED DUCT IN FLOOR AND ABANDON.
2	REMOVE DUCT/FLEX DUCT/AIR TERMINAL AS INDICATED.
3	REMOVE EXISTING BATHROOM EXHAUST FAN AND ASSOCIATED DUCT. PATCH EXTERIOR WALL PENETRATION.
4	REMOVE EXISTING PLUMBING FIXTURE AND ALL ABOVEGROUND WASTE AND WATER PIPING. CAP ANY BELOW FLOOR PIPING AND ABANDON.
5	REMOVE BOTH EXISTING FURNACES AND ASSOCIATED DUCTWORK AND PIPING. PATCH ANY EXTERIOR WALL PENETRATIONS.
6	REMOVE EXISTING BASEMENT KITCHEN EXHAUST FAN AND WELDED GREASE DUCT INSIDE BASEMENT.
7	REMOVE EXISTING BASEMENT EXHAUST FAN, CURB, AND DUCT TO THE BASEMENT.
8	COMPLETELY REMOVE EXISTING CONDENSING UNIT FOR MAIN FLOOR FURNACE.
9	EXISTING CONDENSING UNIT FOR BASEMENT FURNACE TO REMAIN.
10	REMOVE ALL VENT PIPING BACK TO VTR. PREPARE VTR PIPE TO BE REUSED IN NEW CONSTRUCTION.



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DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

DRAWN BY: JWB

JN: 25062

DEMOLITION PLAN

SHEET

M100



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DRAWN BY: JWB

JN: 25062

PLUMBING PLANS

SHEET

M200

PIPING LEGEND	
---	SANITARY WASTE
—SAN—	SANITARY WASTE
---	VENT
—CW—	DOMESTIC COLD WATER
—	DOMESTIC COLD WATER
—HW—	DOMESTIC HOT WATER
—	DOMESTIC HOT WATER
—RHW—	RECIRC HOT WATER
—	RECIRC HOT WATER
—COND—	CONDENSATE DRAIN
—LP—	PROPANE
⊗	CONNECT TO EXISTING

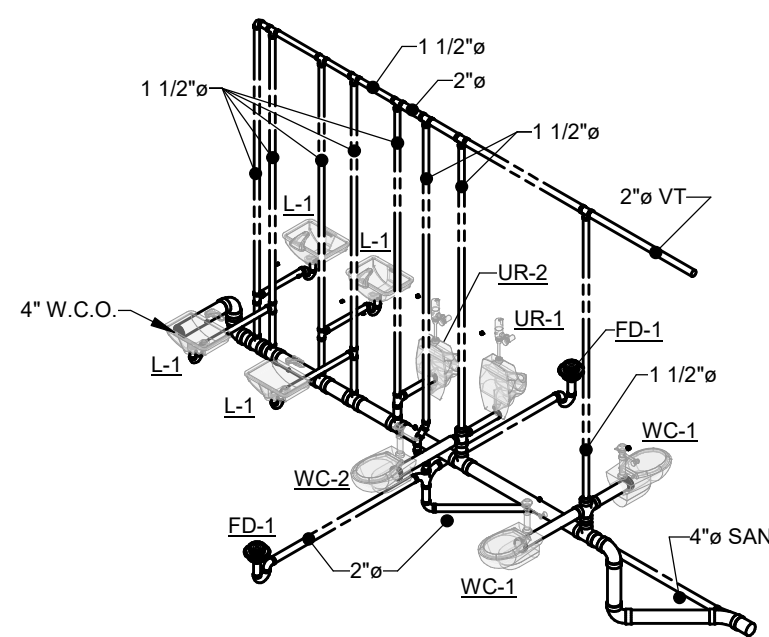
PIPING VALVE & ACCESSORY LEGEND	
	BALL VALVE
	BALL VALVE
	BALL VALVE INDICATOR
	BUTTERFLY VALVE
	GATE VALVE
	VENTURI
	CHECK VALVE
	2-WAY HYDRONIC CONTROL VALVE
	2-WAY DOMESTIC CONTROL VALVE
	3-WAY CONTROL VALVE
	DRAIN VALVE
	STRAINER
	MANUAL AIR VENT
	AUTO AIR VENT
	TEMPERATURE GAUGE
	PRESSURE GAUGE
	SENSOR
	CIRCUIT SOLVER
	UNION

LINE TYPE LEGEND	
—	EXISTING
—	NEW
---	REMOVE
---	HIDDEN
---	MATCHLINE

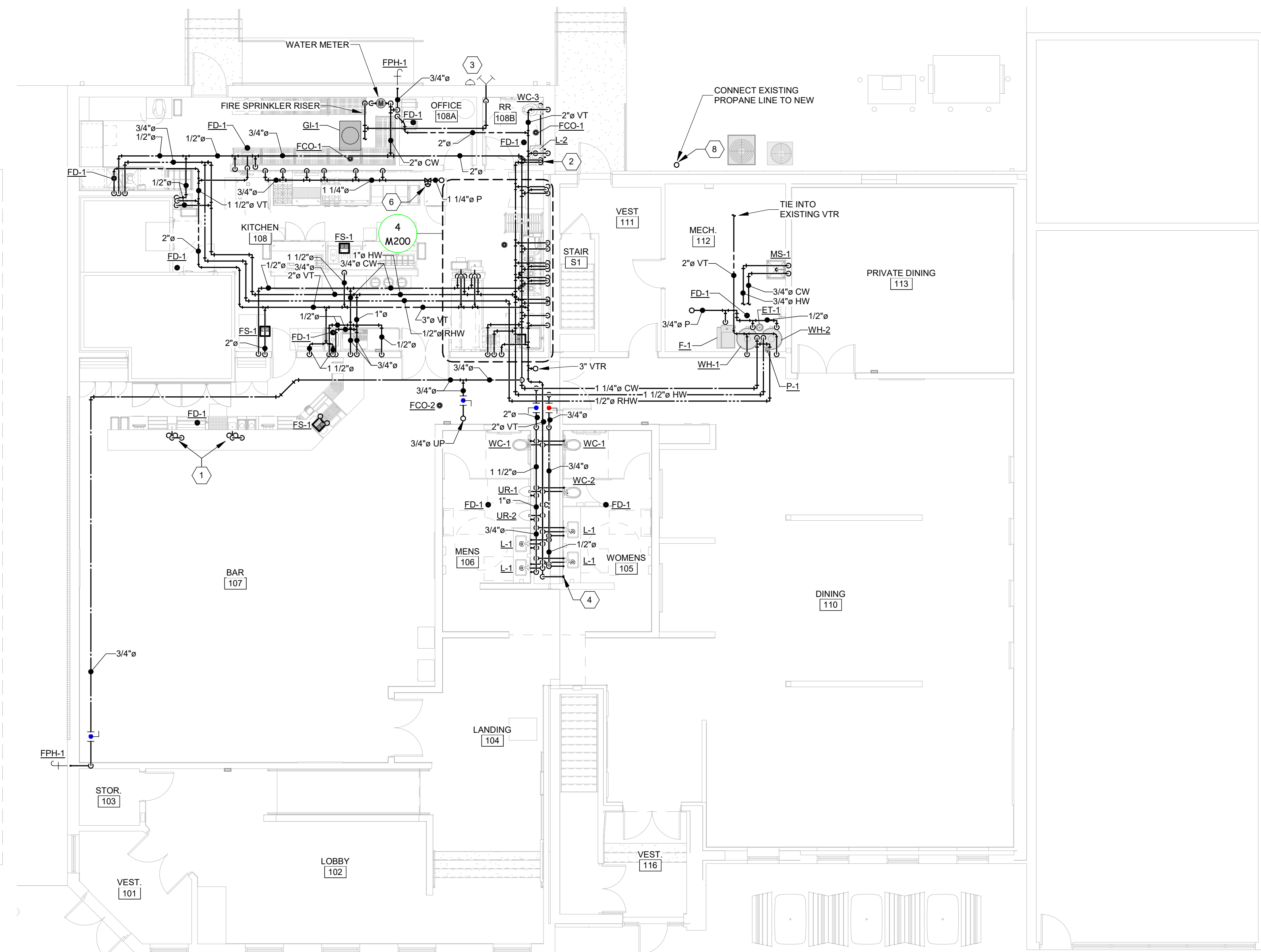
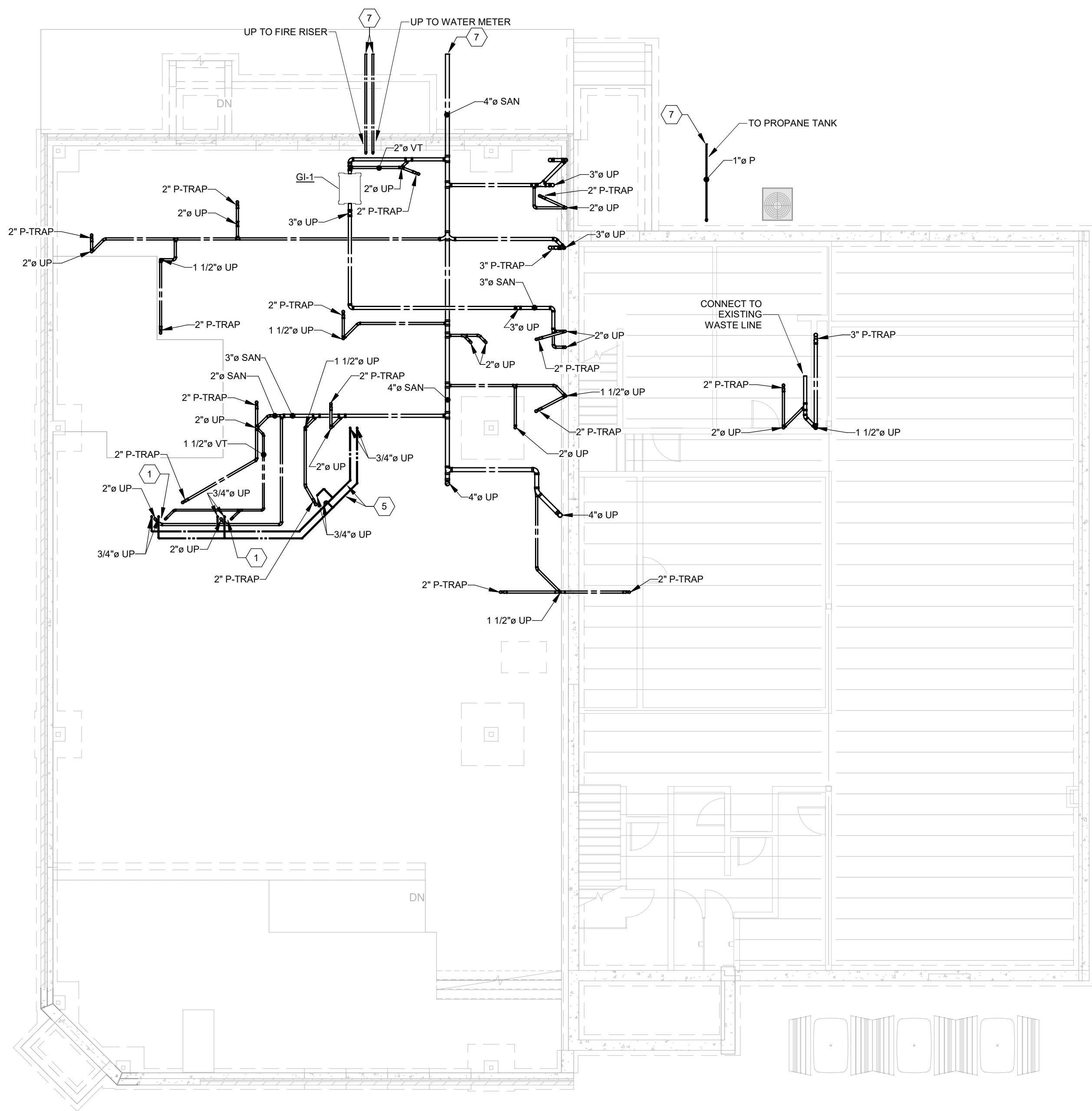
KEYNOTE LEGEND	
1	SEE ISLAND WASTE VENTING DETAIL.
2	RUN 1" WATER COLD WATER AND 1/2" HOT WATER ALONG INTERIOR SIDE OF WALL DOWN TO LAVATORY AND WATER CLOSET.
3	PROVIDE FIRE DEPARTMENT CONNECTION AND AUDIO VISUAL ALARM.
4	4" WALL CLEANOUT BELOW COUNTER.
5	UNDERGROUND DOMESTIC WATER PIPING SHALL BE PEX.
6	MOTORIZED EMERGENCY GAS SHUT-OFF VALVE. INSTALL VALVE OUTSIDE OF KITCHEN HOOD.
7	M.C. TO CONNECT 5' OUTSIDE OF BUILDING - CONTINUATION BY OTHERS.
8	PROVIDE SECONDARY REGULATOR AND SHUT OFF VALVES.

PLUMBING FIXTURE CONNECTIONS			
	WASTE	VENT	SUPPLY
WATER CLOSETS (FLUSH VALVE)	3"	2"	1"
URINALS	2"	1-1/2"	3/4"
LAVATORIES (SINGLE)	1-1/2"	1-1/2"	1/2"
SINKS	2"	1-1/2"	1/2"
SERVICE/MOP SINKS	3"	1-1/2"	3/4"
HOSE BIBBS/WALL FAUCETS	N/A	N/A	3/4"

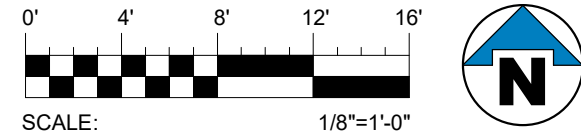
**5
M200** TOILET RISER - DWV



**4
M200** ENLARGED PLUMBING PLAN - EAST KITCHEN WALL



**2
M200** PLUMBING PLAN



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Professional Consulting Engineers
1905 17th Street SE
Minot, ND 58701
tel. 701.852.6363

**1
M200** FOUNDATION PLAN

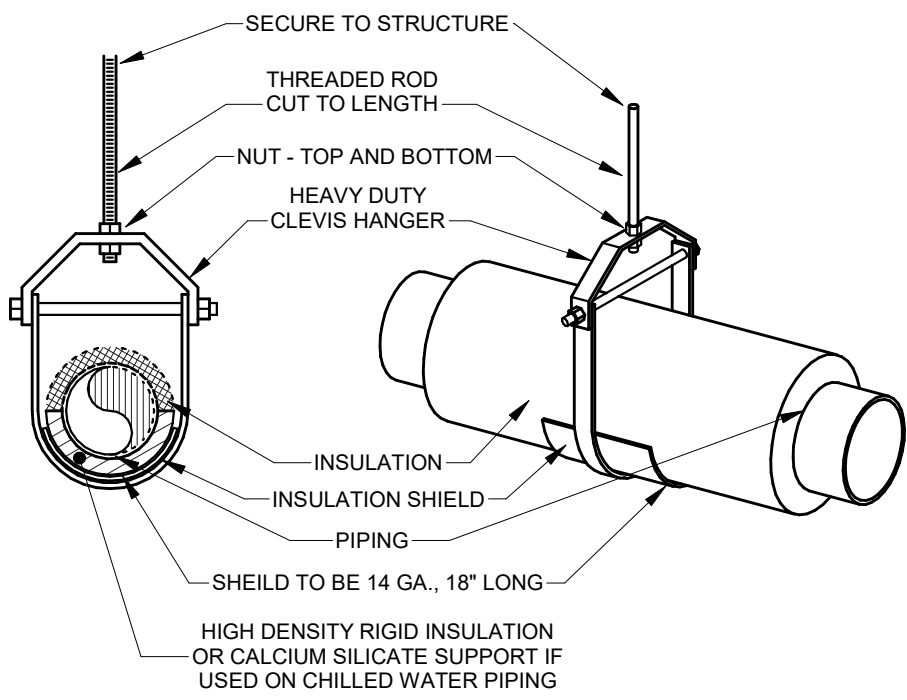
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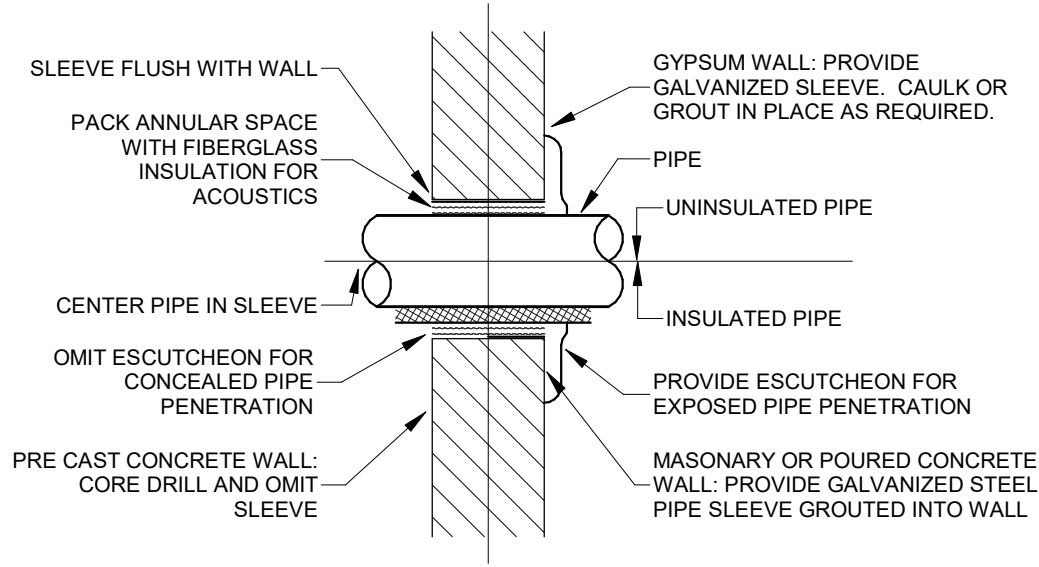
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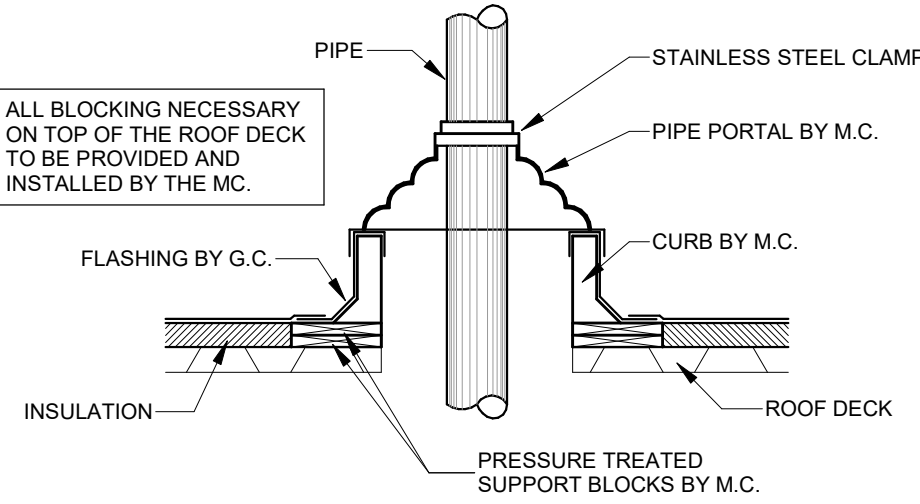
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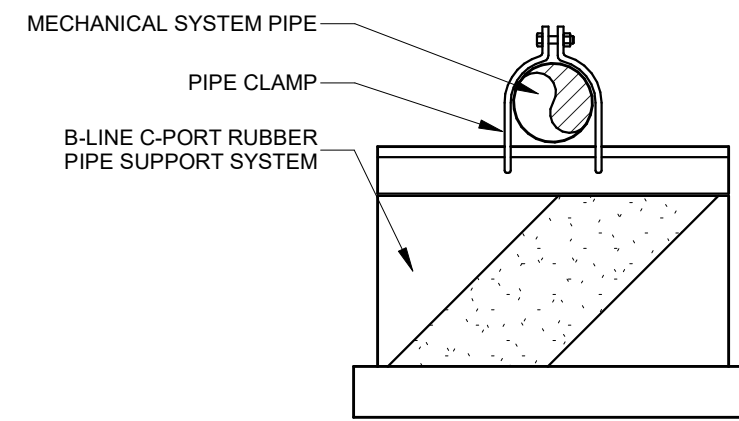
1 PIPE HANGER DETAIL



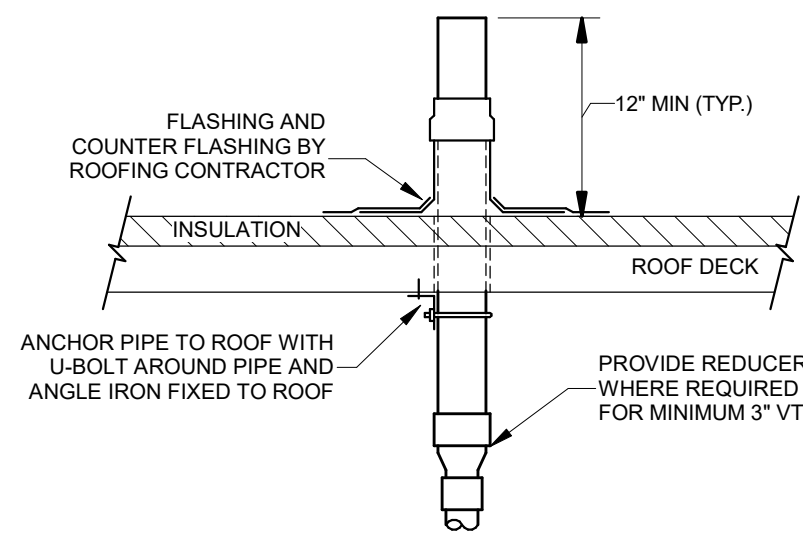
2 PIPE PENETRATION OF NON-RATED WALL



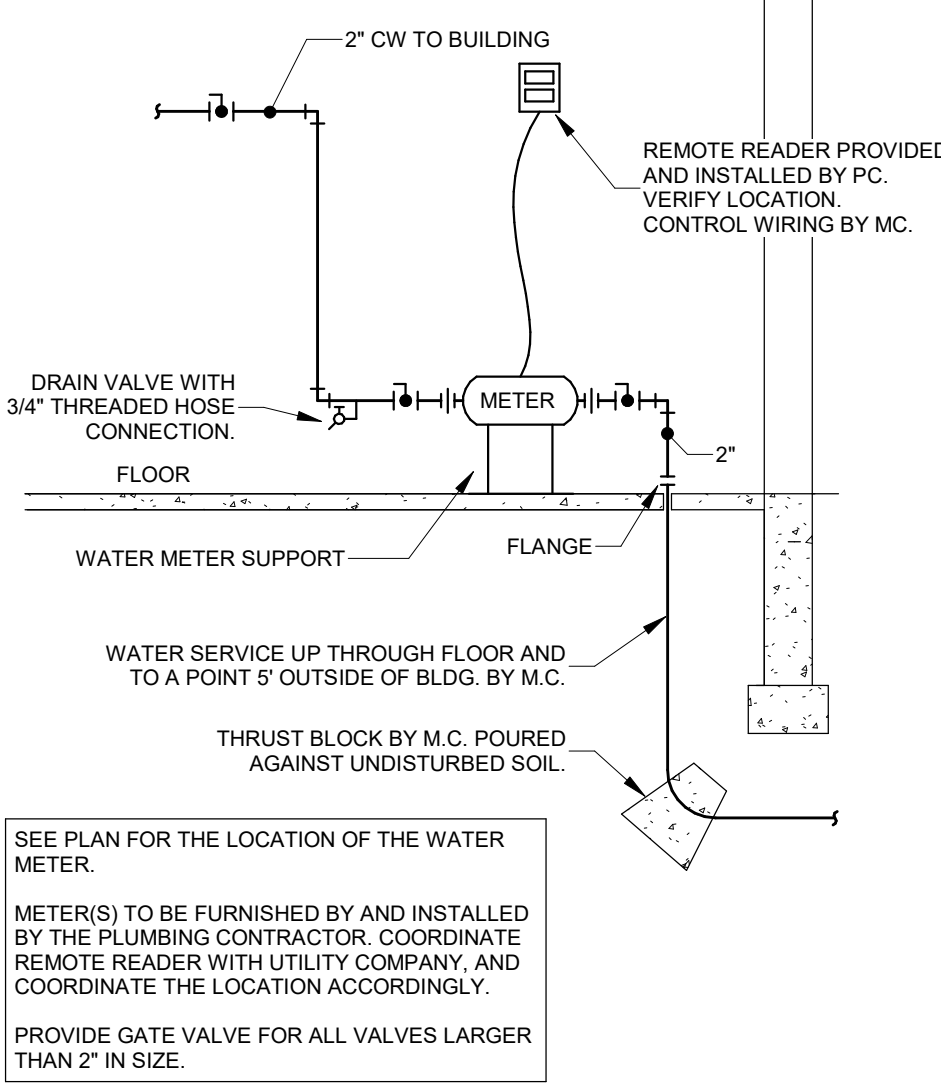
3 PIPE PORTAL DETAIL



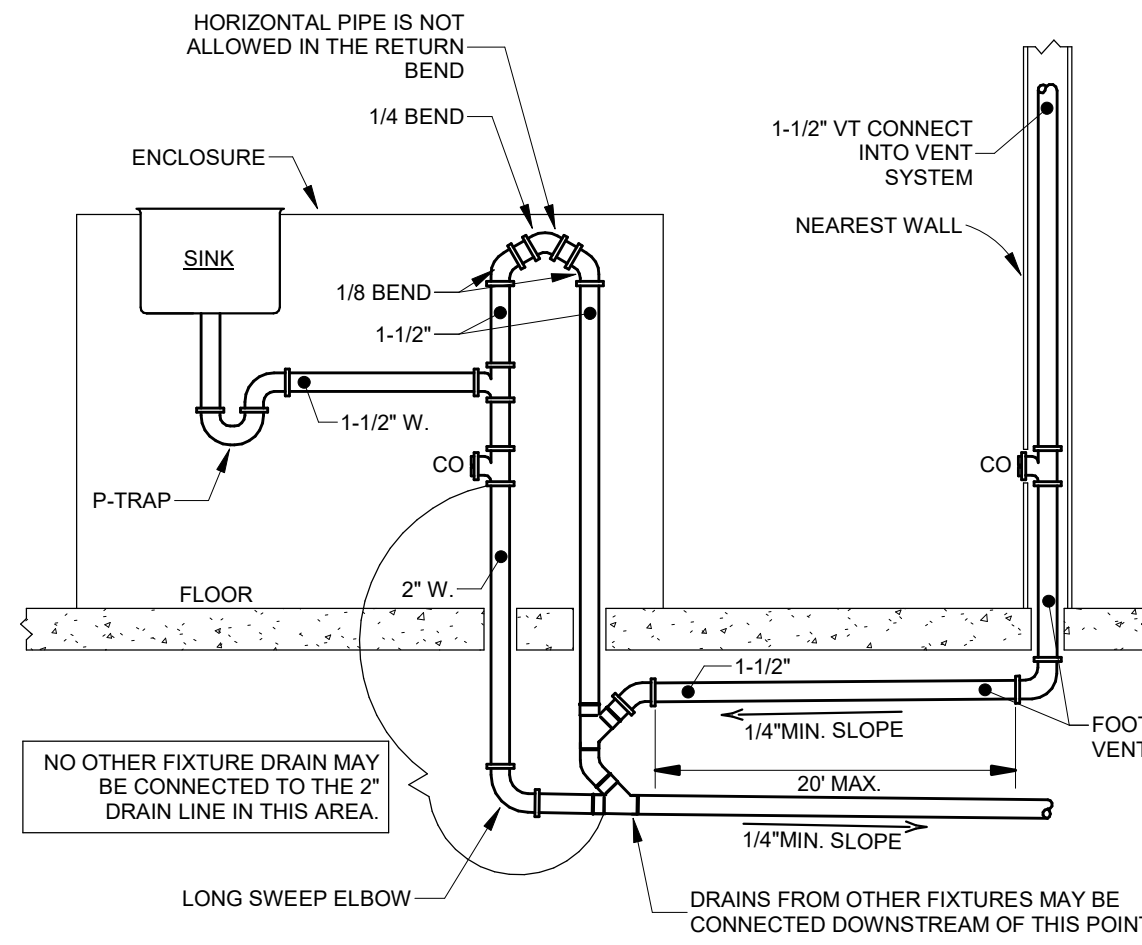
4 ROOF PIPING SUPPORT DETAIL



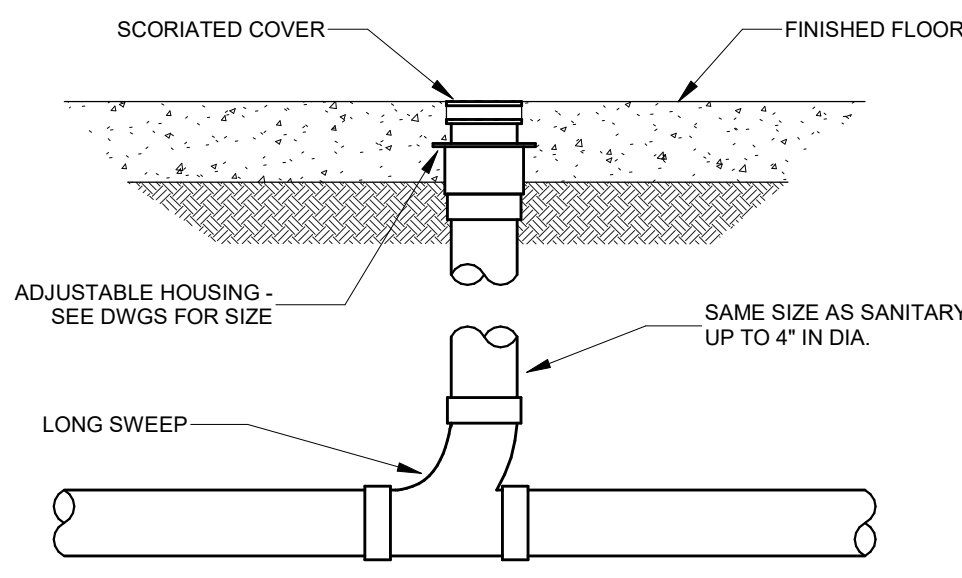
5 VENT THRU ROOF (VTR)



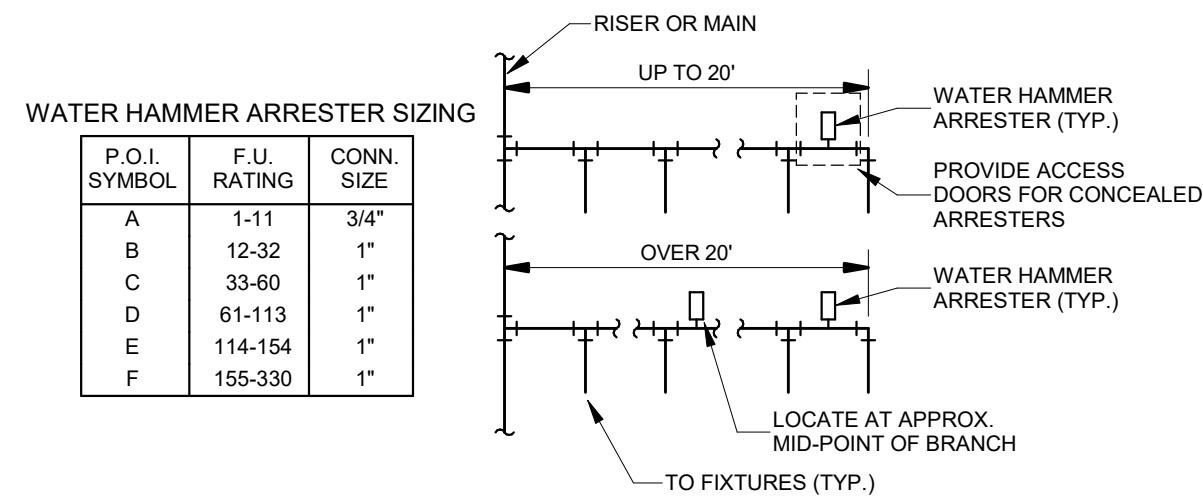
6 WATER METER DETAIL



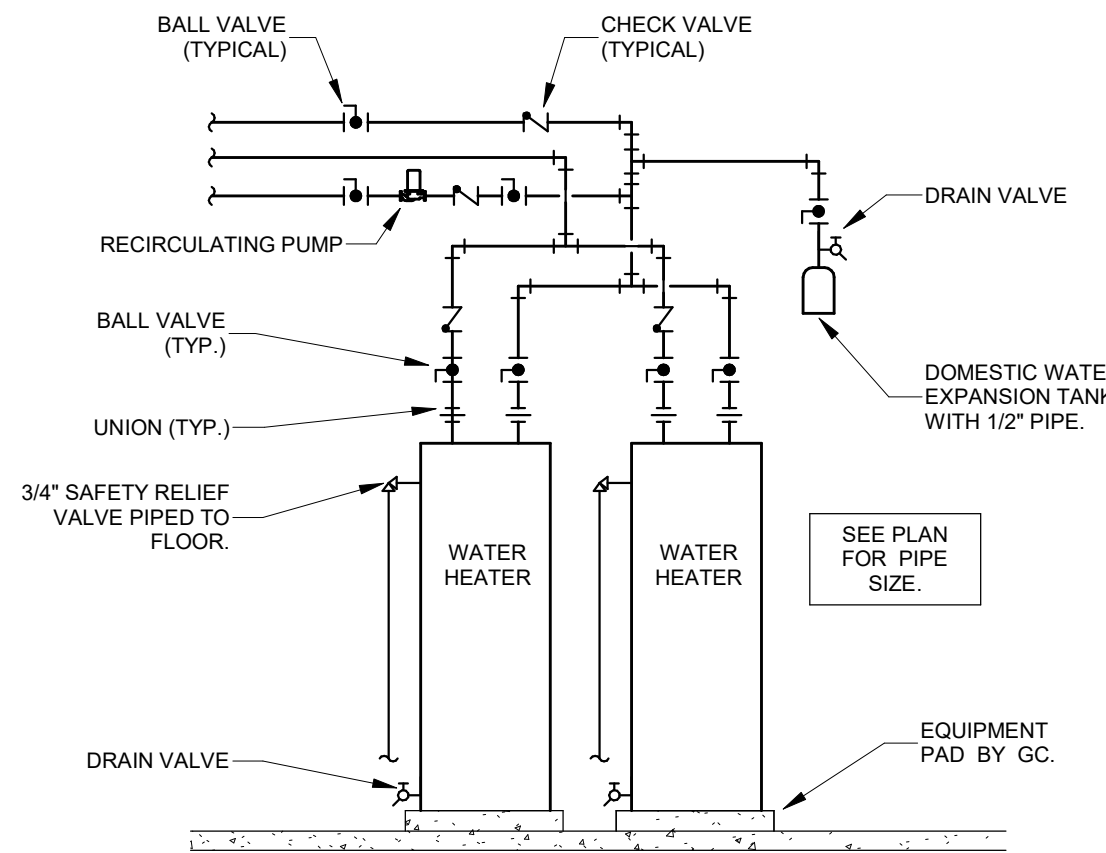
7 ISLAND WASTE VENTING DETAIL



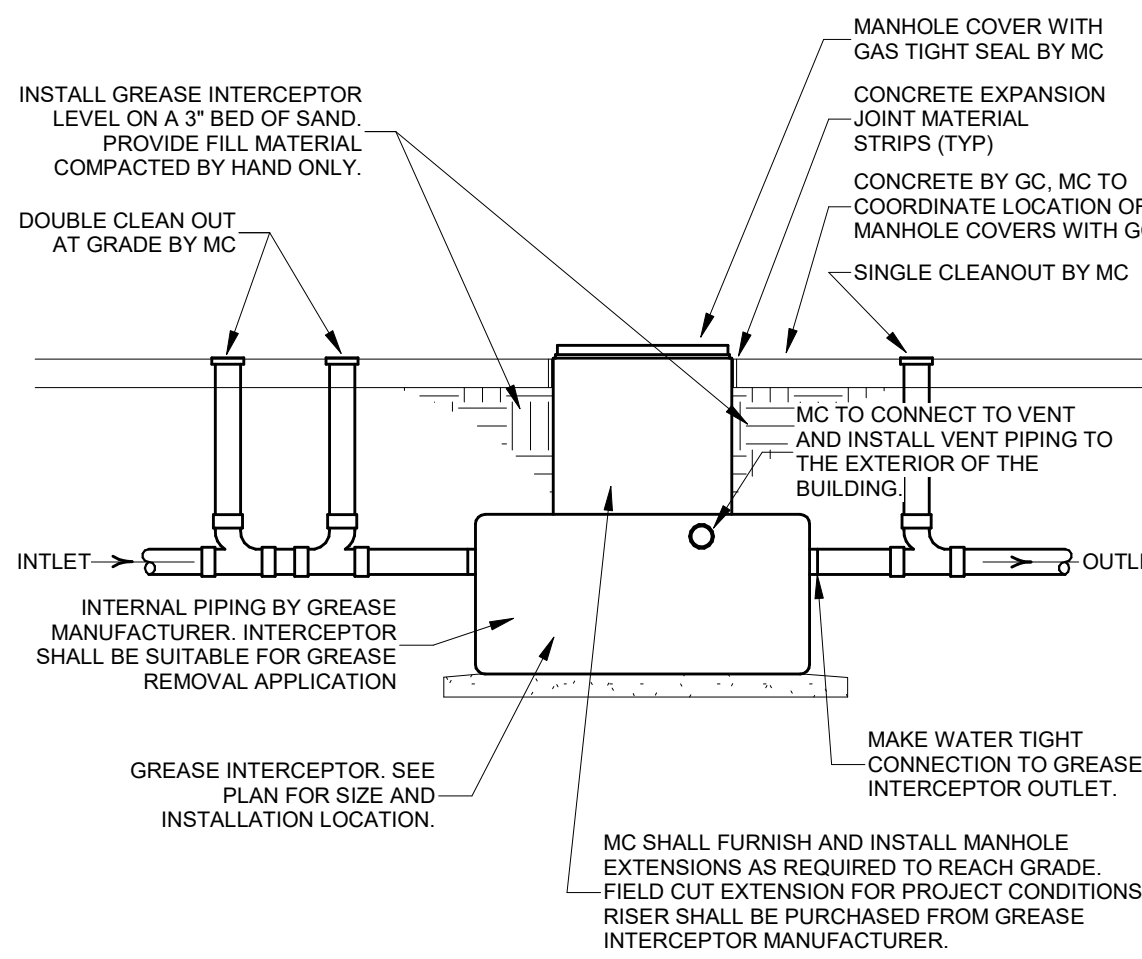
8 FLOOR CLEANOUT DETAIL



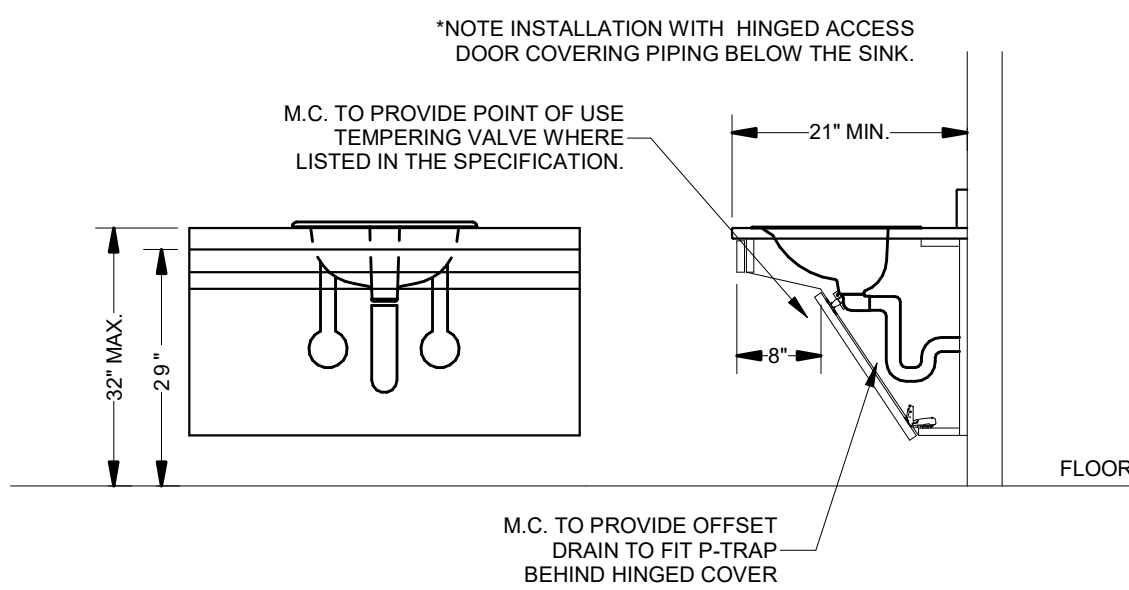
9 WATER HAMMER ARRESTOR SCHEMATIC



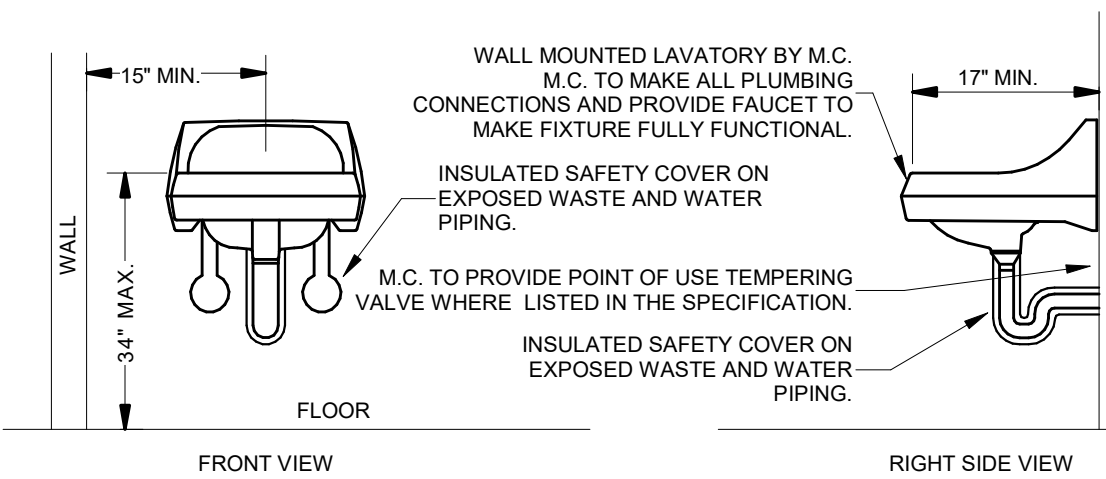
10 WATER HEATER PIPING DETAIL



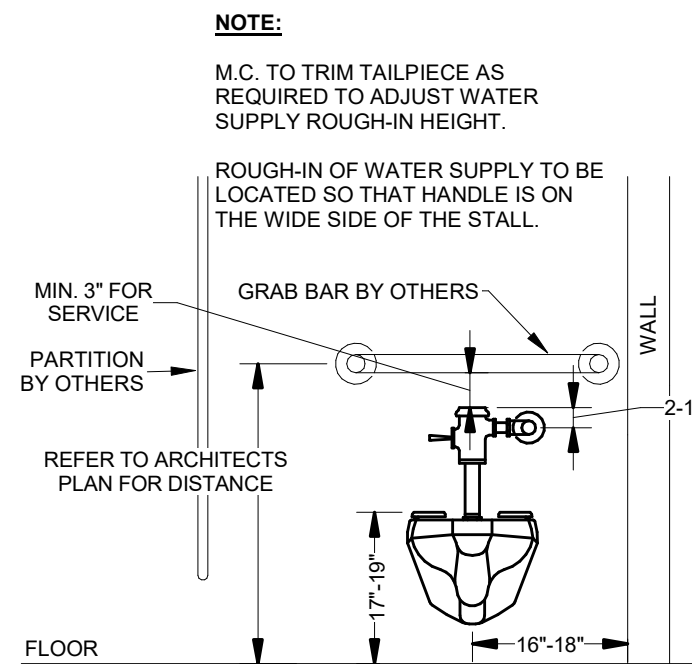
11 GREASE INTERCEPTOR DETAIL



12 ADA LAVATORY DETAIL



13 ADA LAVATORY DETAIL



14 ADA WATER CLOSET DETAIL



American Legion
352 Main St.
New Town, ND 58763

STRUCTURAL

ICON ARCHITECTURAL GROUP
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FOODSERVICE

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7900 INTERNATIONAL DRIVE
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DOCUMENTS**

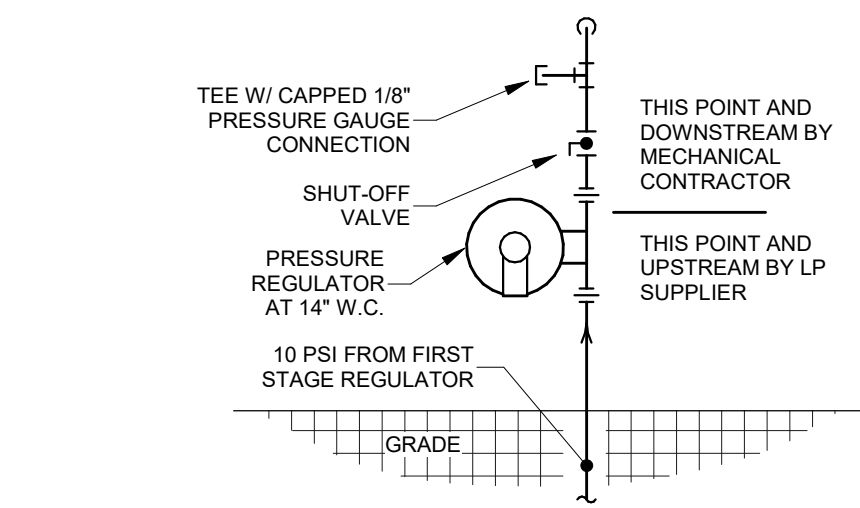
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NO.	DESCRIPTION	DATE
1	Construction Documents	08/12/26

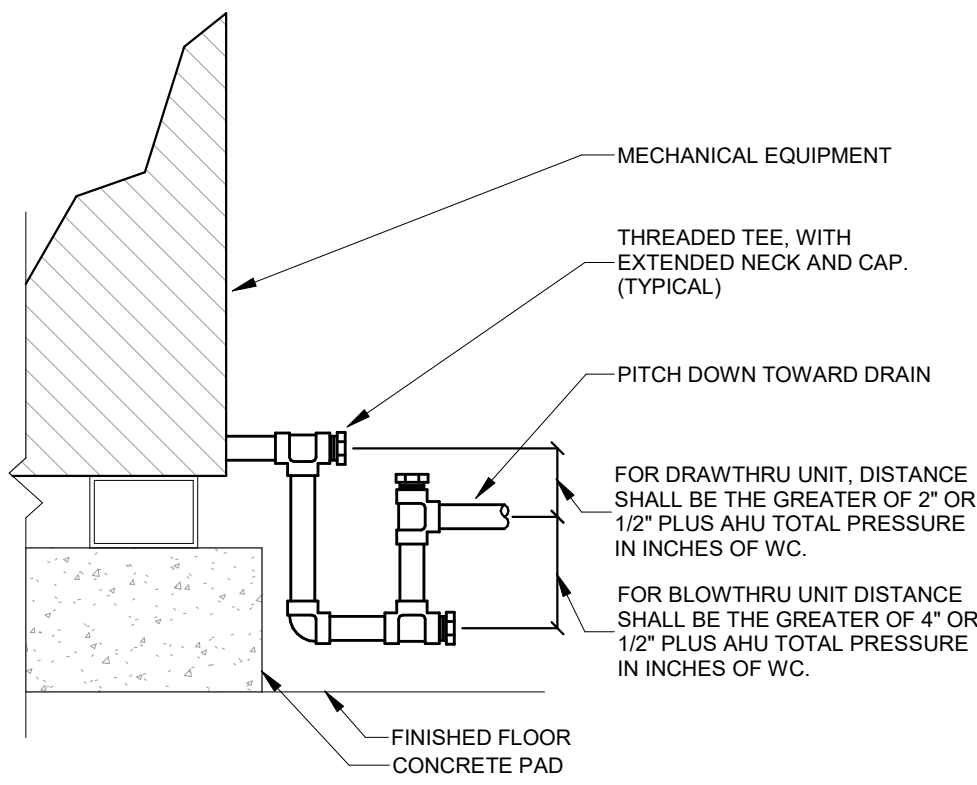
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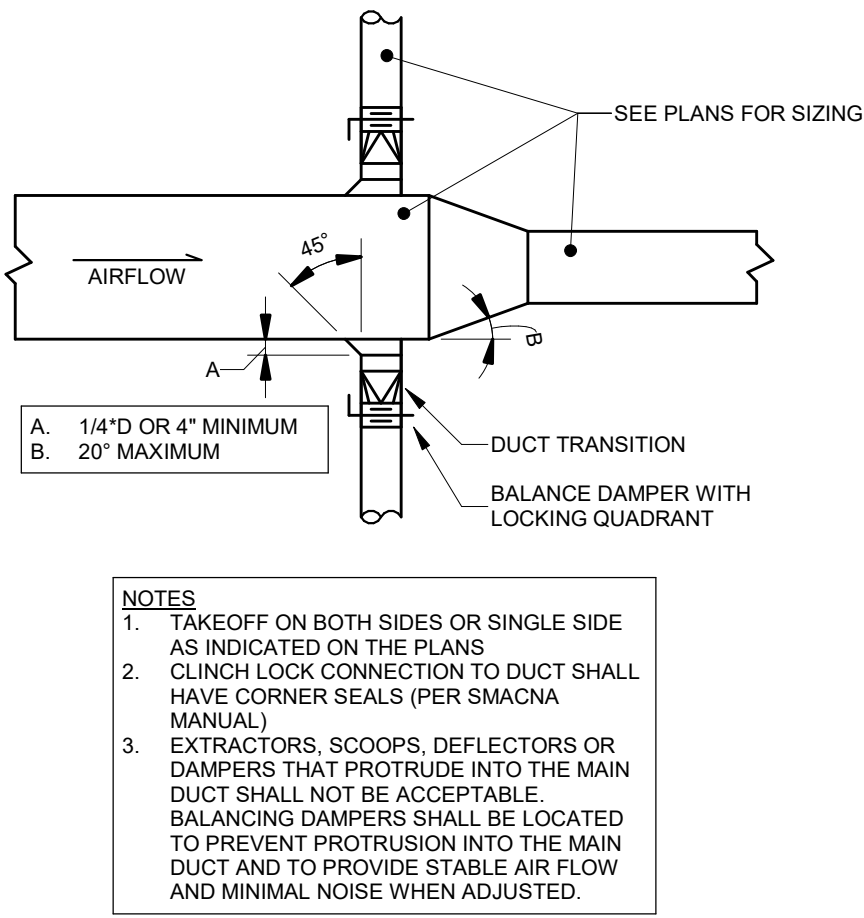
PLUMBING DETAILS



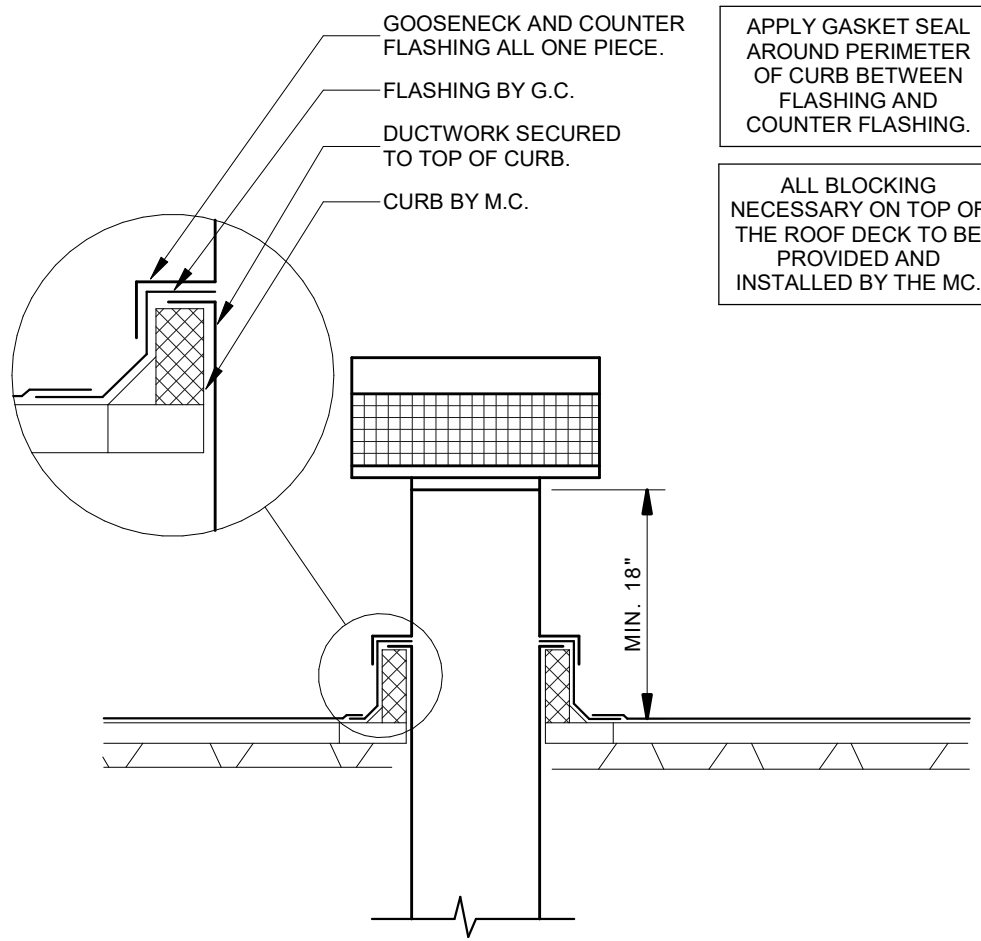
1 PROPANE REGULATOR DETAIL



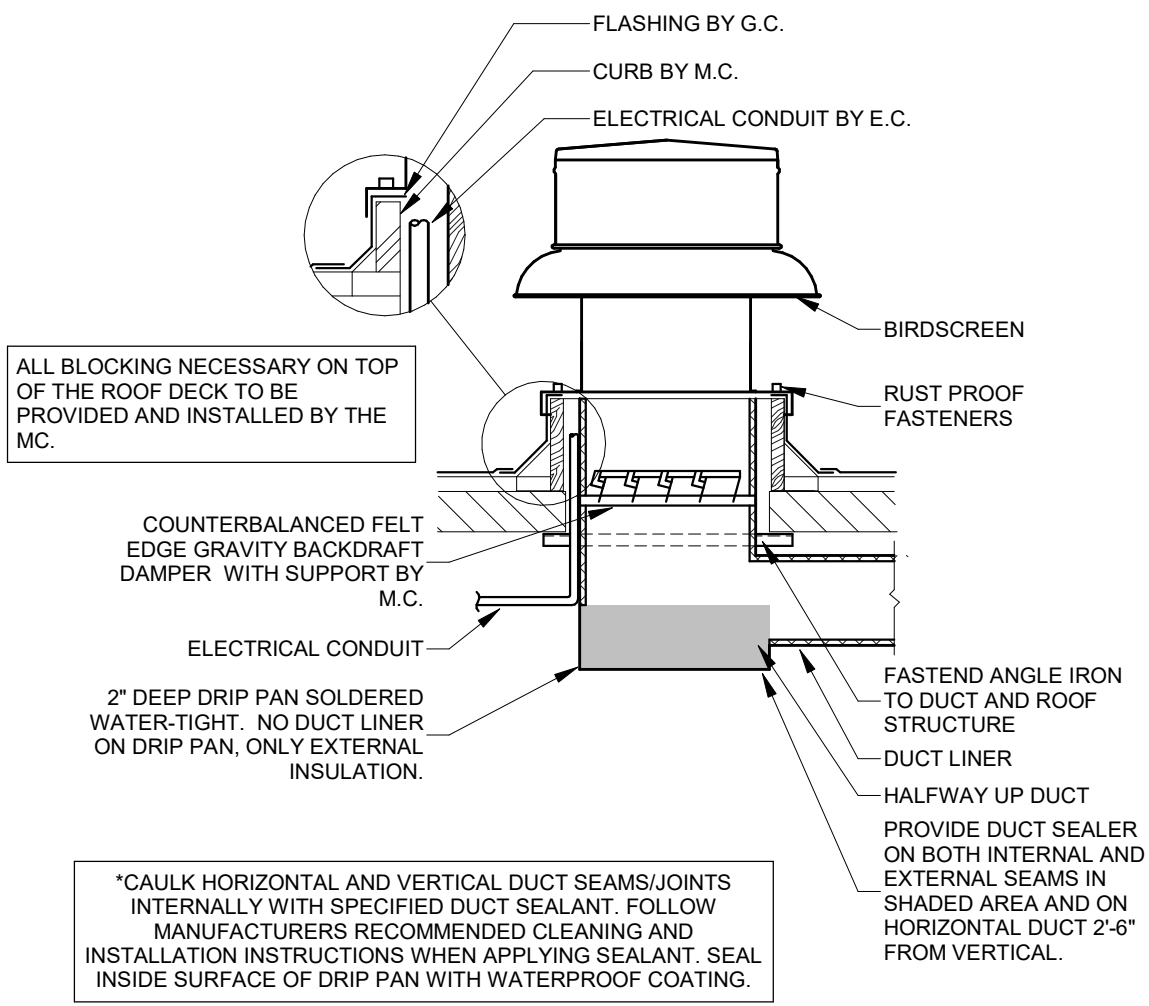
2 CONDENSATE TRAP DETAIL



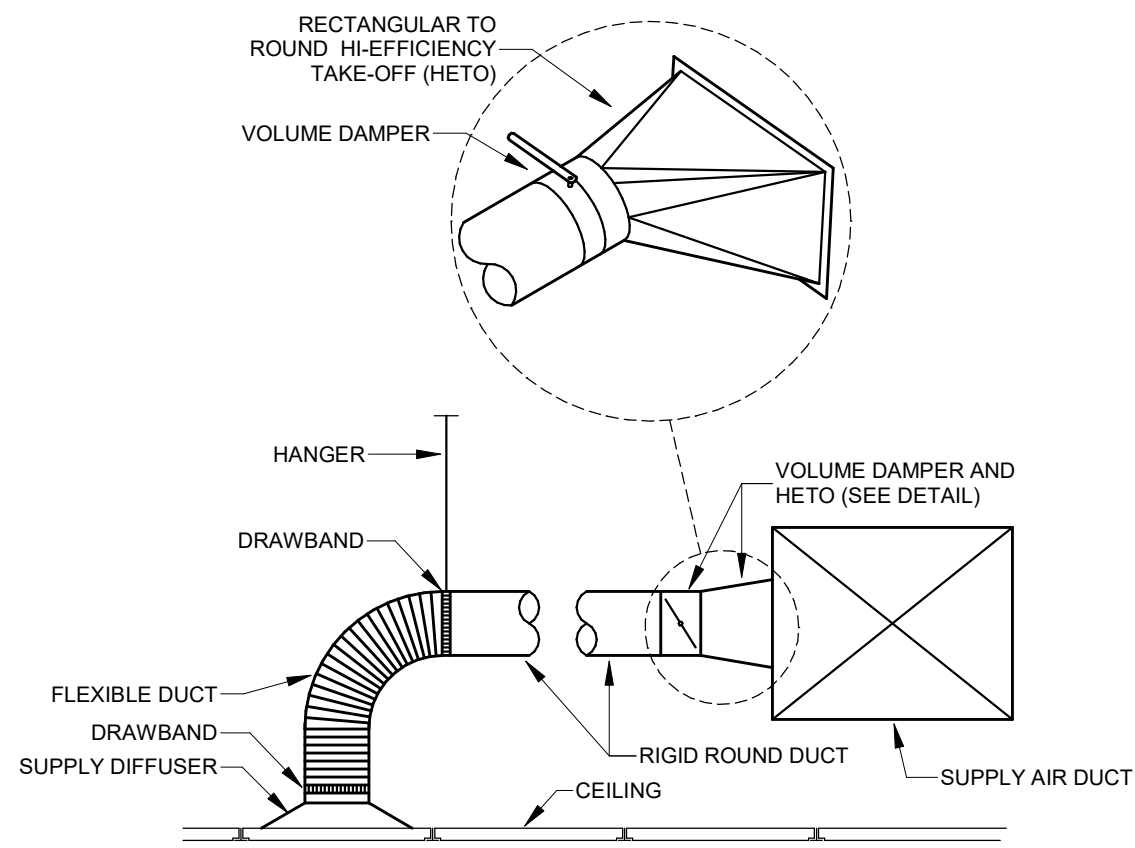
3 DUCT MAIN - 2 TAKEOFFS



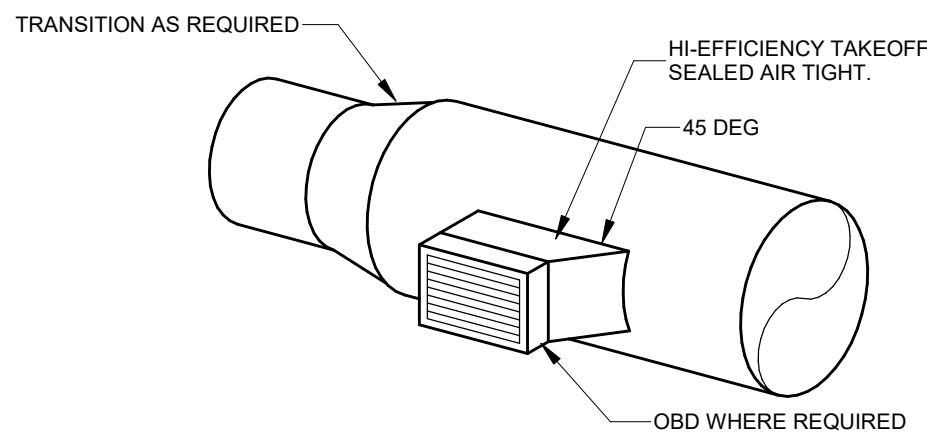
4 VENT CAP DETAIL



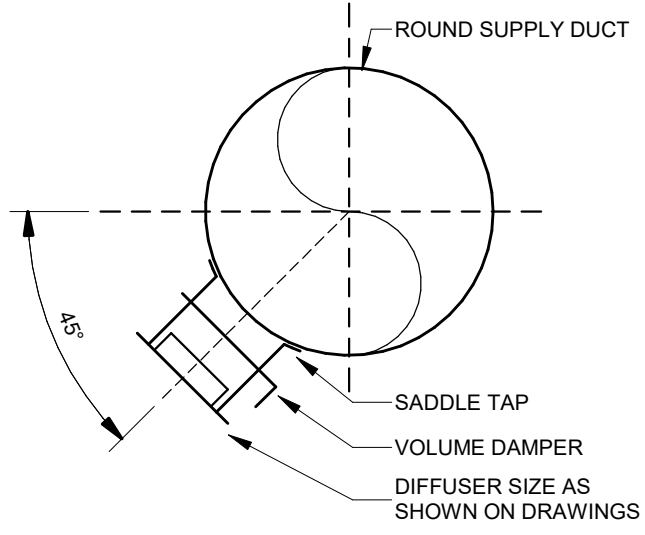
5 ROOF FAN DETAIL



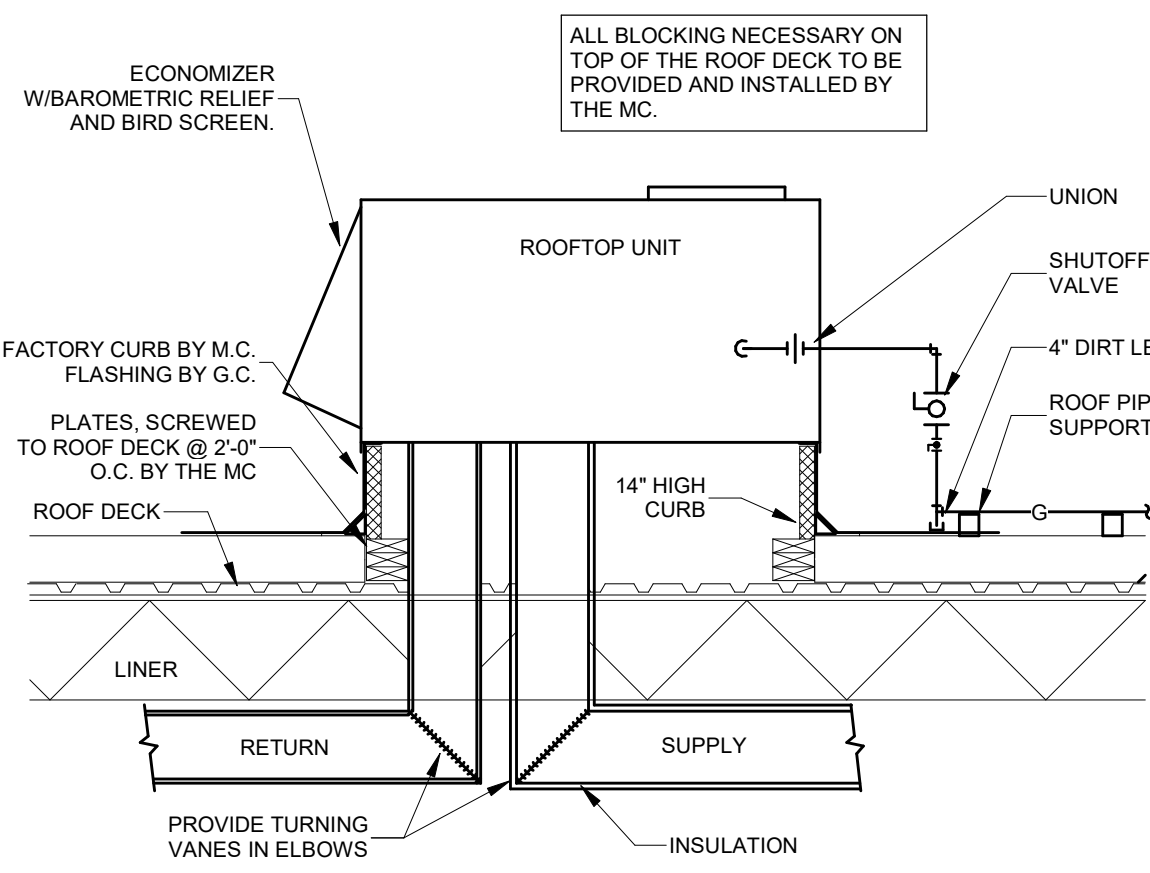
6 TYPICAL DIFFUSER CONNECTIONS



7 TYPICAL DUCT MOUNTED GRILLE



8 DIFFUSER MOUNTING ON ROUND DUCT



9 ROOFTOP UNIT DETAIL



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HVAC DETAILS

221300 - WASTE FIXTURE SCHEDULE					
SCHEDULE NOTES:					
1. SCHEDULE IS ABBREVIATED. SEE PLUMBING SPECIFICATIONS FOR FULL SPECIFICATIONS. CONTRACTOR TO VERIFY QUANTITIES.					
2. SEE ARCHITECTURAL DRAWINGS FOR EXACT DRAIN LOCATIONS					
TAG	QTY	TYPE	MFR	MODEL	DESCRIPTION
FCO-1	3	FLOOR CLEANOUT	WATTS	CO-1200-R	3" ADJUSTABLE FLOOR CLEANOUT, CAST IRON BODY, 5" ROUND GASKETED BRONZE TOP
FCO-2	1	FLOOR CLEANOUT	WATTS	CO-1200-R	4" ADJUSTABLE FLOOR CLEANOUT, CAST IRON BODY, 5" ROUND GASKETED BRONZE TOP
FD-1	11	FLOOR DRAIN	ZURN	Z415-BZ1	2" FLOOR DRAIN, COATED CAST IRON BODY, BOTTOM OUTLET, MEMBRANE CLAMP, ADJUSTABLE COLLAR, SEEPAGE SLOTS, 6" HEEL PROOF NICKEL BRONZE STRAINER
FS-1	4	FLOOR SINK	ZURN	Z1900-2	12" SQUARE 1/2 GRATE, 3" CONNECTION, 6" DEEP CAST IRON SUMP, PORCELAIN ENAMEL INTERIOR COATING, DOME STRAINER
GI-1	1	GREASE INTERCEPTOR	SCHIER PRODUCTS	GB3	GREASE INTERCEPTOR, 50 GPM, 4" SCHEDULE 40 NO-HUB INLET AND OUTLET, 36.7 GAL GREASE CAPACITY, 450LB LOAD CAPACITY

223000 - GAS WATER HEATER SCHEDULE						
SCHEDULE NOTES:						
1. MOUNT ON 4" CONCRETE HOUSEKEEPING PAD						
2. SET TEMPERATURE TO 140 DEGREES						
MARK	MANUFACTURER	MODEL	TANK VOLUME	FUEL TYPE	INPUT	RECOVERY
WH-1	AO SMITH	BT-80	74 gal	LP	75,100 Btu/h	81 gal/h
WH-2	AO SMITH	BT-80	74 gal	LP	75,100 Btu/h	81 gal/h

224000 - PLUMBING FIXTURE SCHEDULE									
SCHEDULE NOTES:									
1. SCHEDULE IS ABBREVIATED. SEE PLUMBING SPECIFICATIONS FOR FULL SPECIFICATIONS. CONTRACTOR TO VERIFY QUANTITIES.									
2. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS									
3. SEAL JOINTS BETWEEN FIXTURES AND FLOORS/WALLS WITH MILDEW RESISTANT SEALANT. MATCH COLOR TO FIXTURE									
TAG	QTY	FIXTURE TYPE	MFR	MODEL	ADA	TRIM MFR	OPTION	DESCRIPTION	
FPH-1	2	FREEZE-PROOF HYDRANT	ZURN	Z1321XL	No	N/A	N/A	KEY OPERATION	NON-FREEZE WALL HYDRANT, ANTI-SIPHON, SELF-DRAINING, WHEEL HANDLE OPERATION, EXPOSED SURFACE MOUNT, GARDEN HOSE OUTLET
FPH-2	1	FREEZE-PROOF ROOF HYDRANT	ZURN	Z1388XL	No	N/A	N/A	LIFT HANDLE	NON-FREEZE ROOF HYDRANT, LIFT-HANDLE WITH LOCK OPTION, EXPOSED ROOF MOUNT, 3/4" HOSE OUTLET
L-1	4	LAVATORY - UNDER MOUNT	KOHLER	K-2214	Yes	ZURN	Z7440-XL	SINGLE HANDLE	21"x14"x8", VITREOUS CHINA, UNDERMOUNT, OVERFLOW DRAIN, MANUAL FAUCET WITH 4" CENTER, 1.5 GPM
L-2	1	LAVATORY - WALL HUNG	ZURN	Z5350	Yes	ZURN	Z7440-XL	SINGLE HANDLE	19"x17", VITREOUS CHINA, WALL MOUNTED, MANUAL FAUCET WITH 4" CENTER, 1.5 GPM
MS-1	1	MOP SINK	FIAT PRODUCTS	MSB 2424	No	CHICAGO FAUCETS	897-CP	2" LEVER HANDLES	24"x24" SINGLE COMPARTMENT, WHITE CAST POLYMER COMPOSITE, FLOOR MOUNT, RIGID SPOUT WALL MOUNT FAUCET, 2" LEVER HANDLES
UR-1	1	URINAL	ZURN	Z5755-U	Yes	SLOAN	ROYAL 186	HANDLE	WALL HUNG, 1 GPF, VITREOUS CHINA, MANUAL HANDLE FLUSH VALVE
UR-2	1	URINAL	ZURN	Z5755-U	No	SLOAN	ROYAL 186	HANDLE	WALL HUNG, 1 GPF, VITREOUS CHINA, MANUAL HANDLE FLUSH VALVE
WC-1	2	WATER CLOSET - WALL HUNG	ZURN	Z5615-BWL	Yes	SLOAN	ROYAL 111	HANDLE	WALL HUNG, 1.6 GPF, VITREOUS CHINA, MANUAL HANDLE FLUSH VALVE, OPEN FRONT SEAT
WC-2	1	WATER CLOSET - WALL HUNG	ZURN	Z5615-BWL	No	SLOAN	ROYAL 111	HANDLE	WALL HUNG, 1.6 GPF, VITREOUS CHINA, MANUAL HANDLE FLUSH VALVE, OPEN FRONT SEAT
WC-3	1	WATER CLOSET - FLOOR MOUNT	ZURN	Z5665-BWL1	Yes	SLOAN	ROYAL 111	HANDLE	16.5" HIGH ELONGATED BOWL, FLOOR SET, 1.6 GPF, SIPHON JET, VITREOUS CHINA, MANUAL HANDLE FLUSH VALVE, OPEN FRONT SEAT

232100 - EXPANSION TANK SCHEDULE						
SCHEDULE NOTES:						
1. POTABLE WATER						
MARK	MANUFACTURER	MODEL	FILL PRES.	ACCEPT. VOL.	TANK VOL.	NOTES
ET-1	BELL & GOSSETT	PT-5	60 psi	0.9 gal	2 gal	1

232200 - PUMP SCHEDULE									
SCHEDULE NOTES:									
1. PROVIDE SINGLE SPEED MOTOR									
2. PROVIDE INVERTER RATED MOTOR									
3. PROVIDE TIMER, AQUA-STAT, AND MINIMUM 5' CORD AND PLUG									
MARK	MANUFACTURER	SERIES	MODEL	TYPE	FLOW	PRESSURE	MOTOR INFORMATION		
							HP	VOLTS	Hz
P-1	BELL & GOSSETT	ECOCIRC	e3-6V	CIRCULATOR	3 GPM	6.00 ftH2O	0.03 hp	120 V	1 60 Hz

233400 - FAN SCHEDULE											
SCHEDULE NOTES:											
1. PROVIDE ROOF CURB											
2. PROVIDE MOUNTING HARDWARE, ISOLATION DEVICES, FRAME WORK FOR SUSPENDED INSTALLATION											
3. PROVIDE WALL CAP											
4. PROVIDE FACTORY DISCONNECT											
5. INCLUDE AS PART OF KITCHEN VENTILATION PACKAGE											
MARK	MANUFACTURER	MODEL	SYSTEM	AIRFLOW	ESP	RPM	SONES	MOTOR		ELECTRICAL	
								BHP	HP	VOLT	Ph Hz
EF-1	CAPTIVEAIRE	DU180HFA	EXHAUST FAN	2600 CFM	1.7 in-wg	1335	19.5	0 hp	2 hp	208 V	3 60 Hz
EF-2	CAPTIVEAIRE	DU180HFA	EXHAUST FAN	2100 CFM	1.7 in-wg	1286	17.7	0 hp	2 hp	208 V	3 60 Hz
EF-3	CAPTIVEAIRE	DU33HFA	EXHAUST FAN	600 CFM	0.7 in-wg	1395	13.5	0.16 hp	0.33 hp	115 V	1 60 Hz
EF-4	GREENHECK	SP-LP0511-1	EXHAUST FAN	50 CFM	0.25 in-wg	685	0.8	0.03 hp	0.1 hp	115 V	1 60 Hz
EF-5	GREENHECK	SP-A250	EXHAUST FAN	210 CFM	0.38 in-wg	1000	3.5	0.03 hp	0.1 hp	115 V	1 60 Hz
EF-6	GREENHECK	SP-A200	EXHAUST FAN	140 CFM	0.38 in-wg	900	3.5	0.03 hp	0.1 hp	115 V	1 60 Hz

233700 - AIR TERMINAL SCHEDULE								
SCHEDULE NOTES:								
1. M.C. TO PROVIDE SHEET METAL TRASITION FROM DUCT TO GRILLE AS REQUIRED.								
2. PLAQUE TYPE DIFFUSER								
3. CONE TYPE DIFFUSER								
4. LONG BLADE								
5. SHORT BLADE								
6. PROVIDE DAMPER								
7. FILTER GRILLE, FOR 2 INCH FILTERS								
8. ROUND DIFFUSER								
9. PAINT BLACK INSIDE DUCT SURFACE ABOVE REGISTER								
10. RECTANGUALR/SQUARE DIFFUSER/GRILLE								
11. HEAVY DUTY								
12. 45 DEGREE BLADES ANGLED UP								
13. EGG CRATE GRILLE								
14. 24"x24" FACE								
15. SINGLE DEFLECTION								
16. DOUBLE DEFLECTION								
17. CEILING RADIATION FIRE DAMPER, 1.5 HR RATED								
*CONTRACTOR TO VERIFY CEILING TYPES AND QUANTITIES PRIOR TO ORDERING								
TAG	QTY	MANUFACTURER	MODEL	FUNCTION	DIMENSIONS SIZE	FINISH	MOUNT	NOTES
A	10	PRICE INDUSTRIES	SCD	Supply Air	8"ø	WHITE	9/16" ACT	1, 3, 10, 14
B	1	PRICE INDUSTRIES	SCD	Supply Air	10"ø	WHITE	9/16" ACT	1, 3, 10, 14
C	3	PRICE INDUSTRIES	510	Supply Air	8"x4"	WHITE	SURFACE	1, 5, 9, 10, 16
D	1	PRICE INDUSTRIES	510	Supply Air	12"x4"	WHITE	DUCT	1, 5, 9, 10, 16
E	19	PRICE INDUSTRIES	510	Supply Air	12"x6"	WHITE	DUCT	1, 5, 9, 10, 16
F	2	PRICE INDUSTRIES	81	Return Air	22"x22"	WHITE	SURFACE	1, 9, 10, 13, 14
G	2	PRICE INDUSTRIES	530	Return Air	32"x20"	WHITE	SURFACE	1, 4, 9, 10, 12, 15
H	2	PRICE INDUSTRIES	530	Return Air	36"x24"	WHITE	SURFACE	1, 4, 10, 12, 15

235400 - CONDENSING UNIT SCHEDULE									
SCHEDULE NOTES:									
1. PROVIDE REFRIGERANT PIPING AND TRAPS PER MFR'S PIPING SCHEMATIC									
2. CONTRACTOR TO VERIFY LINE SIZING WITH MFR.									
3. REFRIGERANT PIPING TO BE SEAMLESS.									
4. PROVIDE WITH LOW AMBIENT KIT, HAIL GAURD									
5. SELECTION AT AMBIENT TEMP OF 95 DEGREES									
MARK	MANUFACTURER	MODEL	SERVES	TOTAL CAP	SEER	ELECTRICAL			NOTES
						MCA	Volt	Ph Hz	
CU-1	GOODMAN	GSXH503610A	F-1	36,000 Btu/h	15	19 A	208 V	1 60 Hz	1, 2, 3, 4, 5

235400 - FURNACE SCHEDULE															
SCHEDULE NOTES:															
1. PROVIDE 24V THERMOSTAT. SEE SPECIFICATION.															
2. PROVIDE THREE EXTRA SETS OF FILTERS															
MARK	MANUFACTURER	MODEL	CONFIG	AIRSIDE		HEATING			COOLING	CONTROL	MOTOR	ELECTRICAL			NOTES
				AIRFLOW	TOTAL SP	FUEL	INPUT	OUTPUT	TOTAL CAP.		HP	V	Ph	Hz	
F-1	GOODMAN	GCV960603BNB	UPFLOW	1200 CFM	0.5 in-wg	LP	60,000 Btu/h	57,660 Btu/h	3 ton	T-STAT	0.5 hp	115 V	1	60 Hz	1, 2

237200 - MAKE-UP AIR UNIT - GAS															
SCHEDULE NOTES															
1. CONTROLLED BY KITCHEN VENTILATION PANEL															
2. CONSTANT VOLUME AIRFLOW, 100% OUTDOOR AIR															
3. PROVIDE 18" ROOF CURB															
4. DUCTED INLET															
5. PROVIDE FAN VIBRATION ISOLATION															
6. DISCHARGE TEMPERATURE CONTROL															
7. PROVIDE MOTORIZED INLET DAMPER															
8. PROVIDE WEATHER HOOD WITH 1" BIRD SCREEN AND WASHABLE FILTER															
MARK	MANUFACTURER	MODEL	AIR SIDE				FURNACE				ELECTRICAL				NOTES
			FLOW	ESP	MOTOR		FUEL	HEATING CAPACITY	EAT	LAT	MCA	VOLT	PH	HZ	
					BHP	HP	LP								
MAU-1	CAPTIVEAIRE	A2-D-500-22Z	4,600 CFM	0.5 in-wg	2.17 hp	5 hp	LP	459,567 Btu/h	-24 °F	75 °F	15 A	208 V	3	60 Hz	1, 2, 3, 5, 6, 7, 8



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1	Construction Documents	08-12-26

DRAWN BY: TCK

JN: PE 25062

Legends and Details

SHEET

E000

STANDARD ELECTRICAL SYMBOLS

BASED ON ANSI Y32.3-1972, ANSI A117.1-1986, AND FEDERAL REGISTER 36-144 (ADA)
MOUNTING HEIGHT MEASUREMENTS SHALL BE MADE FROM FINISH
FLOOR TO CENTER LINE OF OUTLET

SYMBOL	DESCRIPTION	MTG. HT.
LIGHTING OUTLETS		
	CEILING LUMINAIRE, TYPE A, CKT 1, SW 1	SCHEDULED
	WALL MOUNTED LUMINAIRE	
	TROFFER LUMINAIRE, SLASH INDICATES UNSWITCHED	
	STRIP LUMINAIRE WITH WIRE GUARD	
	CEILING MOUNTED EXIT SIGN, SHADING INDICATES LIGHTED FACE	SCHEDULED
	WALL MOUNTED EXIT SIGN	
	EMERGENCY BATTERY UNIT	
	REMOTE SEALED BEAM	
	PORCELAIN LAMPHOLDER, 100A LAMP LED LAMP EQUIVALENT	SCHEDULED
	JUNCTION BOX	
RECEPTACLE OUTLETS		
	SINGLE, CKT 1	18"
	DUPLEX	18"
	DUPLEX - SPLIT WIRED	18"
	DUPLEX - GROUND FAULT CIRCUIT INTERRUPTER	18"
	DUPLEX - EMERGENCY	18"
	DOUBLE DUPLEX	
	SPECIAL CONFIGURATION, DESIGNATION REFERS TO SCHEDULE	SCHEDULED
	MULTI-OUTLET ASSEMBLY, ARROWS EXTEND TO LIMIT OF INSTALLATION, SUBSCRIPT INDICATES SPACING OF OUTLETS	
	CLOCK RECEPTACLE	82"
	DUPLEX RECEPTACLE - FLOOR BOX	
SWITCH OUTLETS		
	SINGLE POLE	46"
	DOUBLE POLE	46"
	THREE-WAY	46"
	FOUR-WAY	46"
	KEY OPERATED	
	MOTOR - PROVIDE OVERLOAD UNIT AS REQ'D, TOGGLE ACCEPTABLE IF INTERNAL THERMAL PROTECTION INCLUDED, SWITCH NOT REQ'D IF MOTOR ASSEMBLY HAS INTEGRAL DISCONNECTING MEANS	
	PILOT HANDLE	46"
	TIME DELAY	46"
	DIMMER - 1000W UNLESS OTHERWISE INDICATED	46"
	GANGED SWITCHES - ARROW INDICATES MULTI-LEVEL SWITCHING	
	WALL MOUNTED OCCUPANCY SENSOR	46"
	CEILING MOUNTED OCCUPANCY SENSOR, TYPE A, SW 1, REFER TO SCHEDULE FOR TYPE	
COMMUNICATION/DATA SYSTEM OUTLETS		
	VOICE OUTLET - ONE JACK PER TRIANGLE	18"
	VOICE OUTLET OR DATA OUTLET - FLOOR BOX	
	DATA OUTLET - ONE JACK PER TRIANGLE	18"
	DATA OUTLET - ROUGH-IN ONLY WITH BLANK PLATE	18"
	BELL	
	BUZZER	
	INTERCOM STATION	46"
	MICROPHONE OUTLET	18"
	TELEVISION OUTLET	18"
	VOLUME CONTROL	46"
	PUSH BUTTON	
	SPEAKER/BAFFLE/BACKBOX COMBINATION	CEILING
	CLOCK	84"
	AUDIO/VIDEO CONNECTION BOX - HDMI TYPICAL	18"
MISCELLANEOUS		
	PLAN OR DETAIL NOTE	
	SPECIAL PURPOSE CONNECTION - AS REQUIRED BY EQUIPMENT MANUFACTURER, CO-ORDINATE ROUGH-IN WITH SHOP DWG.	
	BRANCH CIRCUIT PANELBOARD, SHADING INDICATES NEW PANEL	
	CONTROL PANEL	
	EXTERNALLY OPERATED DISCONNECT SWITCH	
	CONTROLLER OR RELAY	
	COMBINATION CONTROLLER AND DISCONNECTION MEANS	
	MOTOR, DESIGNATION REFERS TO SCHEDULE	
	EQUIPMENT DESIGNATION, SEE SCHEDULE	
	ELECTRIC HEAT TO SCALE, DESIGNATION REFERS TO SCHEDULE, "T" INDICATES INTEGRAL THERMOSTAT	
	THERMOSTAT-PROVIDED BY DIV. 26	46"
	THERMOSTAT-FURNISHED BY DIV. 23, INSTALLED BY DIV. 26	46"
	HUMIDISTAT-FURNISHED BY DIV. 23, INSTALLED BY DIV. 26	46"
	POTENTIOMETER-FURNISHED BY DIV. 23, INSTALLED BY DIV. 26	46"
	TIME SWITCH	
	PHOTOELECTRIC SWITCH	
CIRCUITING		
	HOME RUN, MIN 3/4" C, ARROWS AND SUBSCRIPTS INDICATE NUMBER AND IDENTIFICATION OF CIRCUITS	
	CONTROL WIRE, SEE SPECIFICATION SECTION 260536	
	EMERGENCY, MIN 1/2" C #10 AWG	
	TELEPHONE, MIN 3/4" C, HOME RUN TO TERMINAL BOARD	
	TELEPHONE, MIN 3/4" C, STUB INTO CEILING SPACE	
	LOW VOLTAGE, MIN 1/2" C #14 AWG AS REQ'D	
	SPECIAL SYSTEMS, MIN 3/4" C, PROVIDE CONDUCTORS AS REQ'D BY MANUFACTURER, SUBSCRIPT INDICATES SYSTEM, SEE STANDARD ABBREVIATIONS	
FIRE ALARM SYSTEMS		
	DETECTOR, SUBSCRIPT DESCRIBES TYPE: D-DUCT, H-HEAT, P-PHOTOELECTRIC, C-CARBON MONOXIDE	CEILING
	CHIME	88"
	MAGNETIC DOOR HOLDER	
	ADDRESSABLE INPUT MODULE	
	ADDRESSABLE RELAY MODULE	
	FLOW SWITCH	
	MANUAL STATION	46"
	AUDIBLE ALARM NOTIFICATION APPLIANCE (HORN)	88"
	VISUAL ALARM NOTIFICATION APPLIANCE	88"
	COMBO AUDIBLE-VISUAL ALARM NOTIFICATION APPLIANCE	88"
	MAIN VALVE SUPERVISORY ("TAMPER") SWITCH	
SECURITY AND SURVEILLANCE SYSTEMS		
	ELECTRIC DOOR CONTROL	
	DOOR POSITION SENSOR	
	PROXIMITY CARD READER	46"
	DOOR CONTROL PANEL	
	POWER SUPPLY	
	LOCKDOWN BUTTON	
	INTERCOM/DOOR CONTROL	
	SECURITY CAMERA - SEE SPECIFICATION SECTION 282000 FOR TYPE	

LIGHTING SWICH SCHEDULE

BASED ON NEMA AIR PART NUMBERS (OR EQUAL SYSTEM BY WAVELENGTH)		
SYMBOL	DESCRIPTION	PART #
	LINE POWERED WALL SWITCH, ON/OFF, RAISE/LOWER DIMMING CONTROL	RPODLA-DX
	LINE POWERED WALL SWITCH, ON/OFF	RPODLA
	LINE POWERED ELV DIMMER	DVELV-300P-XX
	WALL MOUNTED OCCUPANCY SENSOR - SEE SPECIFICATION SECTION 262726	
	WALL MOUNTED OCCUPANCY SENSOR (TYPE D) WITH DIMMING CONTROL - SEE SPECIFICATION SECTION 262726	
	CEILING MOUNTED OCCUPANCY SENSOR - SEE SPECIFICATION SECTION 262726	

STANDARD ABBREVIATIONS

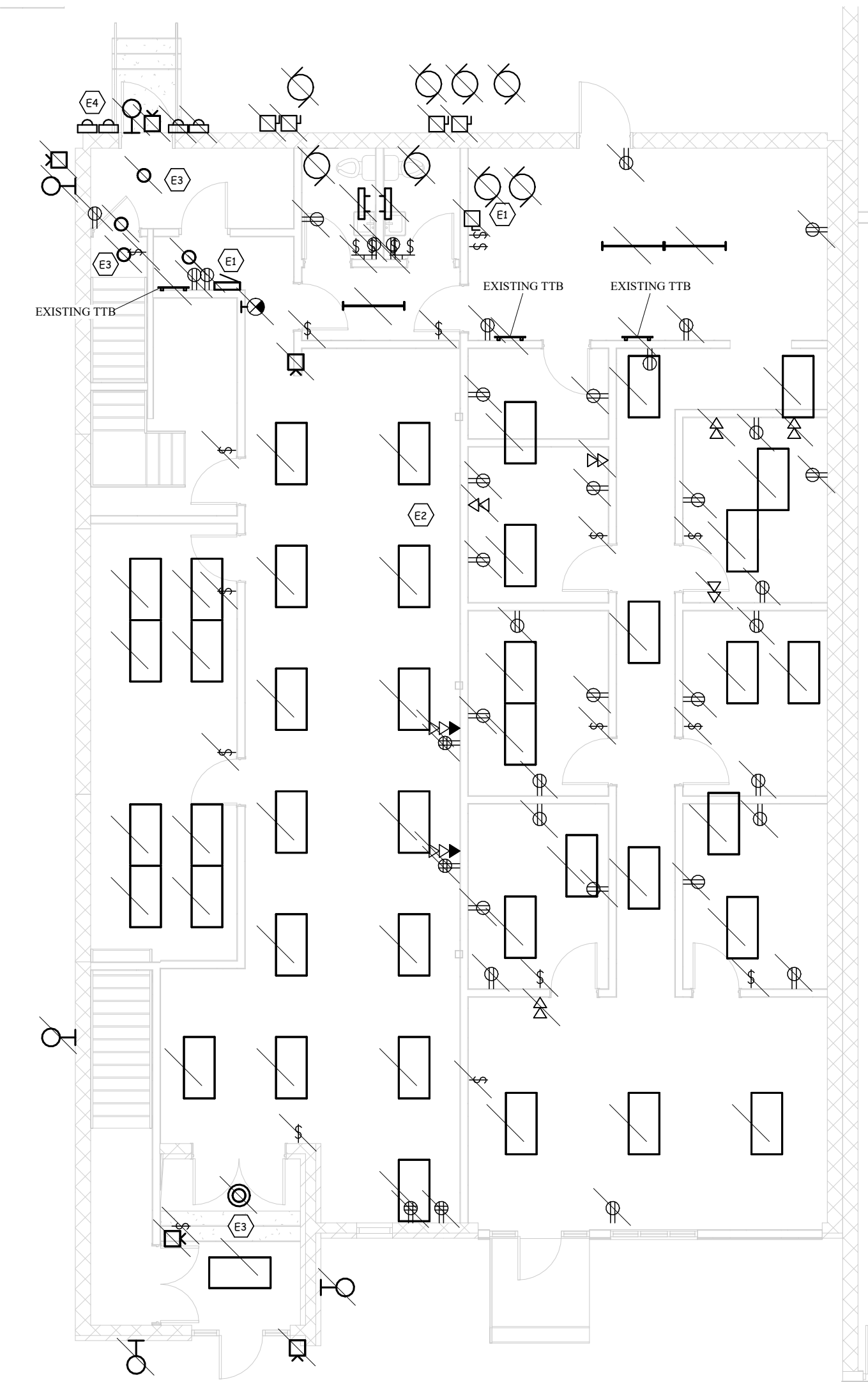
AC	ABOVE COUNTER (MIN 4" ABOVE BACKSPLASH)	LV	LOW VOLTAGE
AFF	ABOVE FINISHED FLOOR	MC	MECHANICAL CONTRACTOR
AFG	ABOVE FINISHED GRADE	MCA	MINIMUM CIRCUIT AMPACITY
ATC	AUTOMATIC TEMPERATURE CONTROL	MCB	MAIN CIRCUIT BREAKER
BOF	BOTTOM OF FIXTURE	MLO	MAIN LUG ONLY
CKT	CIRCUIT	NC	NURSE CALL
DT	DUST TIGHT	NFDS	NON-FUSIBLE DISCONNECT SWITCH
DTR	DATA RACK	NR	NOT REQUIRED
EC	ELECTRICAL CONTRACTOR	PA	PUBLIC ADDRESS
EGC	EQUIPMENT GROUNDING CONDUCTOR	RGSC	RIGID GALVANIZED STEEL CONDUIT
EM	EMERGENCY	RT	RAIN-TIGHT
EP	EXPLOSION PROOF	S	SECURITY
EW	ELECTRIC WATER COOLER	SD	SEE DETAIL
EWL	ELECTRIC WATER HEATER	SS	SURGE SUPPRESSION
F	FUSED	SW	SWITCH
FA	FIRE ALARM	T	TELEPHONE
FACP	FIRE ALARM CONTROL PANEL	TOP	TOP OF PANEL
FABA	FIRE ALARM REMOTE ANNUNCIATOR	TSSW	TWO SPEED SEPERATE WINDING
FDS	FUSIBLE DISCONNECT SWITCH	TTB	TELEPHONE TERMINAL BOARD
FLA	FULL LOAD AMPERES	U	USB COMBINATION RECEPTACLE
FVNR	FULL VOLTAGE NON REVERSING	VFD	VARIABLE FREQUENCY DRIVE
FVR	FULL VOLTAGE REVERSING	VT	VAPOR TIGHT
GRA	GENERATOR REMOTE ANNUNCIATOR	W	WALL MTG. (46" AFF)
IC	INTERCOM	WAP	WIRELESS ACCESS POINT
IG	ISOLATED GROUND	WP	WEATHERPROOF
IL	INTERLOCK	WT	WATER TIGHT
		WM	WIREMOLD

SPECIAL SYMBOLS PECULIAR TO THIS PROJECT

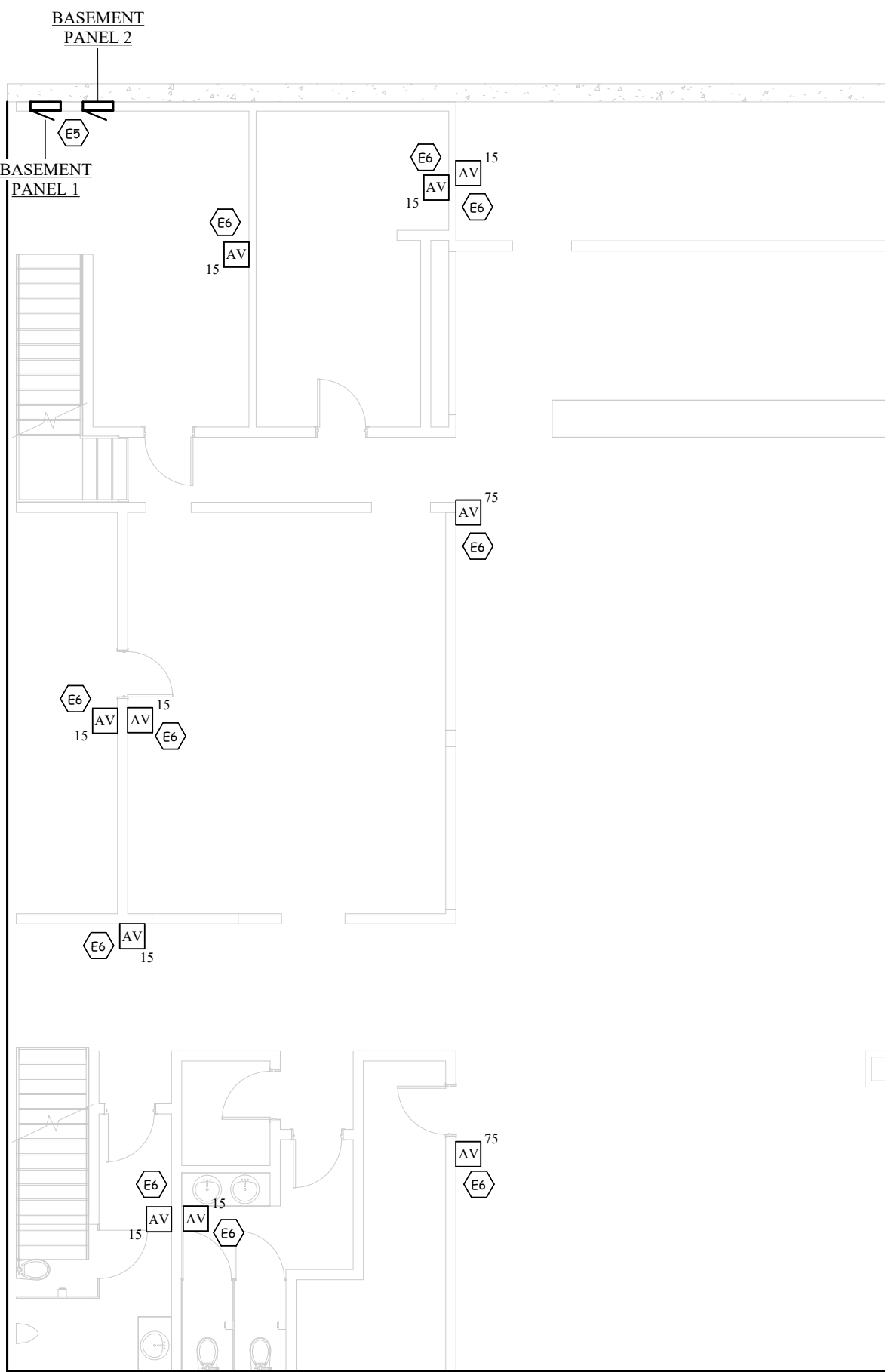
SPECIAL ABBREVIATIONS PECULIAR TO THIS PROJECT

FIXTURE SCHEDULE						
TYPE	MANUFACTURER	CATALOG NO.	DELIVERED LUMENS	FINISH	MOUNTING	REMARKS
A2	METALUX MARK ARCHITECTURAL	22RLN LD5 44UNV L840 CD 1 WPS WHSPK SERIES	4,400	WHITE	SD 4/E100	2' X 2' LED TROFFER WITH WIRELESS CONTROLLED DIMMING, OCCUPANCY SENSOR, AND PHOTOCELL. 4000K
B1	METALUX LITHONIA	24CGTX 55 L840 WPS CPX SERIES	5,500	WHITE	SD 4/E100	2' X 4' LED FLAT PANEL WITH DIMMING. 4000K
B2	METALUX LITHONIA	22CGTX 55 L840 WPS CPX SERIES	3,500	WHITE	SD 4/E100	2' X 2' LED FLAT PANEL WITH DIMMING. 4000K
D2	FAIL SAFE LUMINAIRE LED	HVSL4 2 LID4 1H1 40 UNV O EDD1 BK 3E2M/BK SPC4 SERIES	2,000	VERIFY WITH ARCHITECT	WALL MOUNTED CENTERED ABOVE MIRROR	2' LED WALL BRACKET WITH OPAL LENS, AND VERTICAL TRIM BARS. 4000K
D4	FAIL SAFE LUMINAIRE LED	HVSL4 SERIES SPC4 SERIES	4,000			SAME AS TYPE D2 EXCEPT 4 FOOT.
E1	ISOLITE EVENLITE	DTH2-U-BA-MTEB AUR-U-BA-CN	INTEGRAL LED'S	ALL BRUSHED ALUMINUM	NOTE 1	PHOTOLUMINESCENT UNIVERSAL FACE UNIVERSAL MOUNT LED EXIT WITH GREEN LETTERS, AND DIE CAST ALUMINUM HOUSING.
E2	ISOLITE EVENLITE	TSR-HO-W-SD TEBL6W-SD	2 LED HEADS	WHITE	WALL HIGH AS POSSIBLE	DECORATIVE EMERGENCY LED FIXTURE WITH SELF-DIAGNOSTICS.
F1	METALUX LITHONIA	48NX67SL-LN-UNV-L840-CD1 ZLID SERIES	7,000	WHITE	SURFACE CEILING OR CHAIN HUNG TO AVOID MECHANICAL EQUIPMENT	4' LED STRIP LIGHT. 4000K
K1	MCGRAW-EDISON LITHONIA	GKO PB2B 740 U T4W BZ WDGE3 P0 40K RFT MVOLT	5,000	BLACK	WALL MOUNT SEE PLANS FOR HEIGHT	WEDGE SHAPE ARCHITECTURAL LED WALL PACK. 4000K. SD 5/E100
K2	BARNLIGHT	BLE-G-ASF12-700-G15-700-NA-NA-NA-NA-LED27-4000K-DL	2,000	ROYAL BLUE	WALL MOUNT SEE PLANS FOR HEIGHT	LED RLM ON GOOSENECK MOUNT. 4000K. SD 5/E100
K3	HALO COMMERCIAL	GFLM40FSUNVDBZK	4,000	BLACK	WALL MOUNT SEE PLANS FOR HEIGHT	LED FLOOD LIGHT POINTED AT THE FLAG. 4000K. SD 2/E100 AND 5/E100
J1	ACCLAIM	FLEXOS3 FLX MIN	250/FT	ALUMINUM	SD	LED TAPE LIGHT IN CHANNEL. INCLUDE ALL DRIVERS AND ACCESSORIES FOR A COMPLETE INSTALLATION.
N1	LUMENS	ARMIN CHANDELIER ELB2579277	4,000	BLACK	CEILING MOUNT	ARCHITECTURAL CHANDELIER PROVIDE LED EDISON BULBS WITH E26 BASE. 3000K.
N2	KUZCO	LUCIAN CH33836UBCC	4,000	BLACK	CEILING MOUNT	ARCHITECTURAL CHANDELIER PROVIDE LED EDISON BULBS WITH E12 BASE. 3000K.
N3	QUORUM OXYGEN	VIDA PENDANT 3-6203-22	2,000	OILED BRONZE	CEILING MOUNT	ARCHITECTURAL PENDANT PROVIDE LED MEDIUM A19 BULBS. 3000K.
T6	LITON	LTD8331B-B45-TS30	2,000	BLACK	NOTE 2	6' TRACK LIGHTING WITH TWO HEADS. 3000K. NOTE 3.
T12	LITON	LTD8331B-B45-TS30	2,000	BLACK	NOTE 2	12' TRACK LIGHTING WITH THREE HEADS. 3000K. NOTE 3.
T18	LITON	LTD8331B-B45-TS30	2,000	BLACK	NOTE 2	18' TRACK LIGHTING WITH FOUR HEADS. 3000K. NOTE 3.
T30	LITON	LTD8331B-B45-TS30	2,000	BLACK	NOTE 2	30' TRACK LIGHTING WITH SIX HEADS. 3000K. NOTE 3.
T36	LITON	LTD8331B-B45-TS30	2,000	BLACK	NOTE 2	36' TRACK LIGHTING WITH EIGHT HEADS. 3000K. NOTE 3.
T44	LITON	LTD8331B-B45-TS30-2C2N	2,000	BLACK	NOTE 2	44' TWO CIRCUIT TRACK LIGHTING WITH ELEVEN HEADS. 3000K. NOTE 3.
T48	LITON	LTD8331B-B45-TS30-2C2N	2,000	BLACK	NOTE 2	48' TWO CIRCUIT TRACK LIGHTING WITH TWELVE HEADS. 3000K. NOTE 3.
TSPR	LITON	LTD8331B-B45-TS30 LTD8331B-B45-TS30-2C2N	2,000	BLACK	N/A	PROVIDE SIX (6) SPARE HEADS FOR BOTH SINGLE CIRCUIT AND DOUBLE CIRCUIT TRACK TYPE.
CF1	RPLIGHTING	ALDEA VII 10670B-OB WC-4WH	N/A	BRONZE	SD 3/E100	56" CEILING FAN WITH WALL CONTROLLER STATION. NOTE 4.
NOTES: 1. WALL MOUNT DIRECTLY ABOVE EXIT DOOR WHERE POSSIBLE. CEILING OR END MOUNT IN REMAINING LOCATIONS AS DICTATED BY BUILDING CONDITIONS. 2. ATTACH THE TRACK TO STRUCTURE AND PROVIDE INTERMEDIATE SUPPORT AS REQUIRED. 3. PROVIDE ALL TRACK CONNECTORS AND PIECES AS REQUIRED FOR A COMPLETE INSTALLATION. 4. ONLY ONE WALL CONTROL STATION TO BE PROVIDE AND INSTALLED FOR EACH ROOM.						

1
E001
Existing Main Level
1/8" = 1'-0"



2
E001
Electrical Plan - Basement Level
1/8" = 1'-0"



Keynote Legend	
E1	EXISTING PANEL TO BE DEMOED COMPLETELY. MAKE PROVISIONS FOR THE POWER/LIGHTING IN THE BASEMENT TO REMAIN OPERATIONAL DURING CONSTRUCTION AS REQUIRED.
E2	ALL LIGHTING POWER AND SYSTEMS DEVICES AND CABLING SHALL BE REMOVED/DEMOED ON THIS LEVEL. COORDINATE WITH OWNER THE SELECT ITEMS THAT ARE TO REMAIN TO KEEP THE BASEMENT BAR OPERATIONAL DURING CONSTRUCTION.
E3	THE DEVICES IN THIS VESTIBLE/ENTANCE SHALL REMAIN UNTIL REQUIRED TO BE REMOVED AS PER THE PHASING PLAN.
E4	THIS IS THE EXISTING SERVICE ENTRANCE. RETAIN FOR USE DURING CONSTRUCTION AND REMOVE AFTER THE NEW 3PHASE SERVICE HAS BEEN ESTABLISHED AND THE EXISTING PANELS TO REMAIN ARE BACK FED.
E5	APPROXIMATE LOCATION OF THE EXISTING PANELS IN THE BASEMENT BAR AREA. THESE NEED TO REMAIN OPERATIONAL DURING CONSTRUCTION AND THEN BACK FED FROM THE NEW MDP
E6	PROVIDE NEW NOTIFICATION DEVICE IN THE BASEMENT AREA. SURFACE MOUNT DEVICE AS DETERMINED BY THE BUILDING CONDITIONS.

GENERAL NOTES

1. FIELD VERIFY ALL PERTINENT EXISTING CONDITIONS AND INSTALLATION REQUIREMENTS IN CONNECTION WITH REMODEL. MAKE ALLOWANCES IN BID THERETO.
2. DEVICES WITH SLASH THROUGH INDICATE SPECIFIC EXISTING DEVICES TO BE REMOVED. REMOVE OR RELOCATE ANY ELECTRICAL DEVICE REQUIRED BY REMODEL OPERATIONS. EXTEND EXISTING CIRCUITRY AS REQUIRED TO MAINTAIN DOWNSTREAM DEVICES OR FIXTURES. DISCONNECT AND REMOVE ANY EXISTING CIRCUITRY NOT BEING REUSED. RE-IDENTIFY EXISTING PANEL DIRECTORIES AS REQUIRED.
3. SEE SPECIFICATION 260510 FOR REMODEL.



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DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08-12-26

DRAWN BY: TCK

JN: PE 25062

Existing First Floor Plan

SHEET

E001



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New Town, ND**

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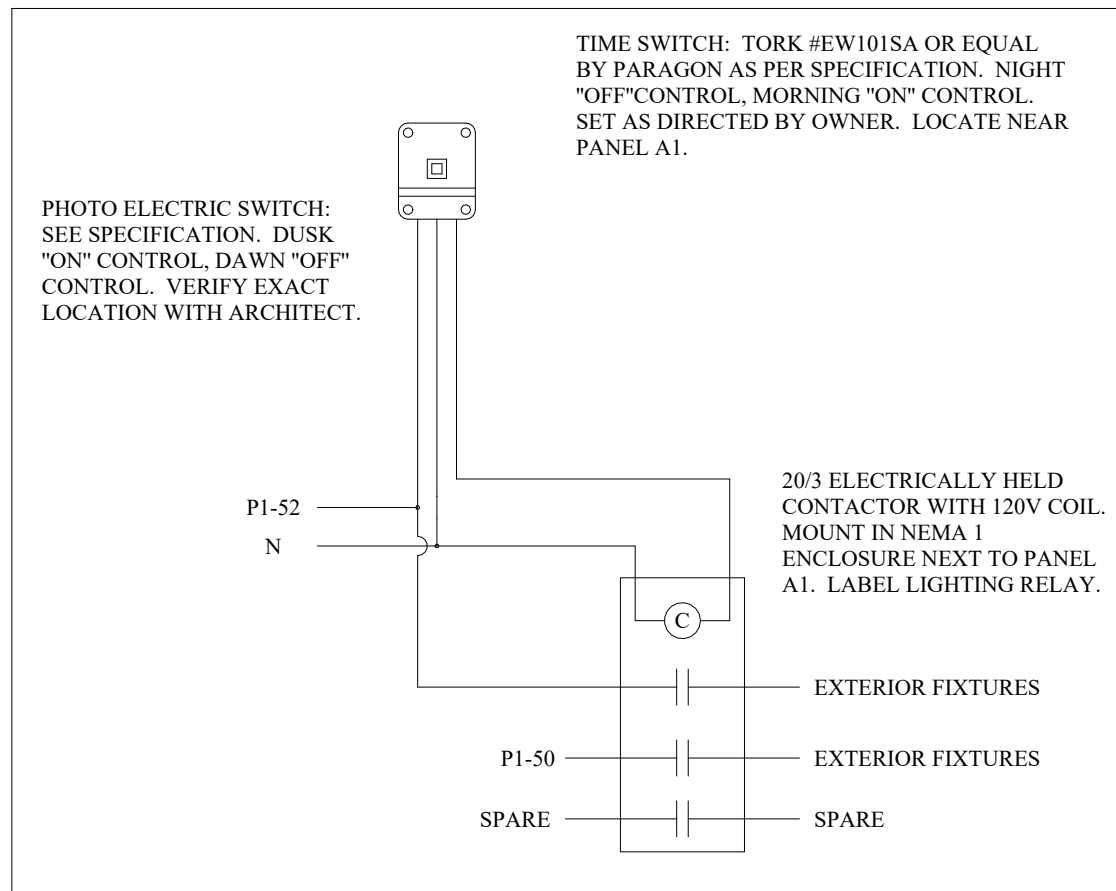
DRAWN BY: TCK

JN: PE 25062

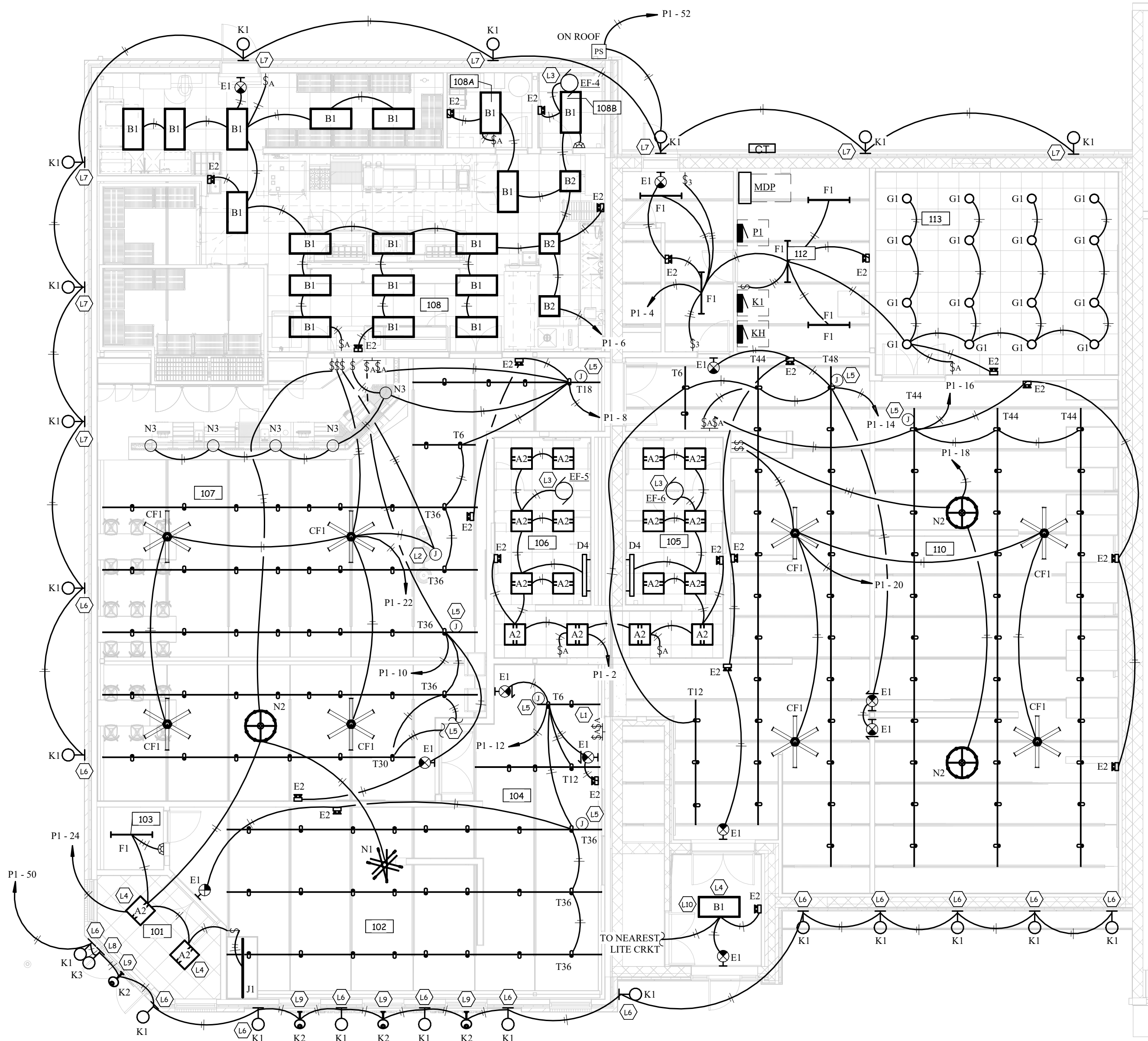
Lighting First Floor Plan

SHEET

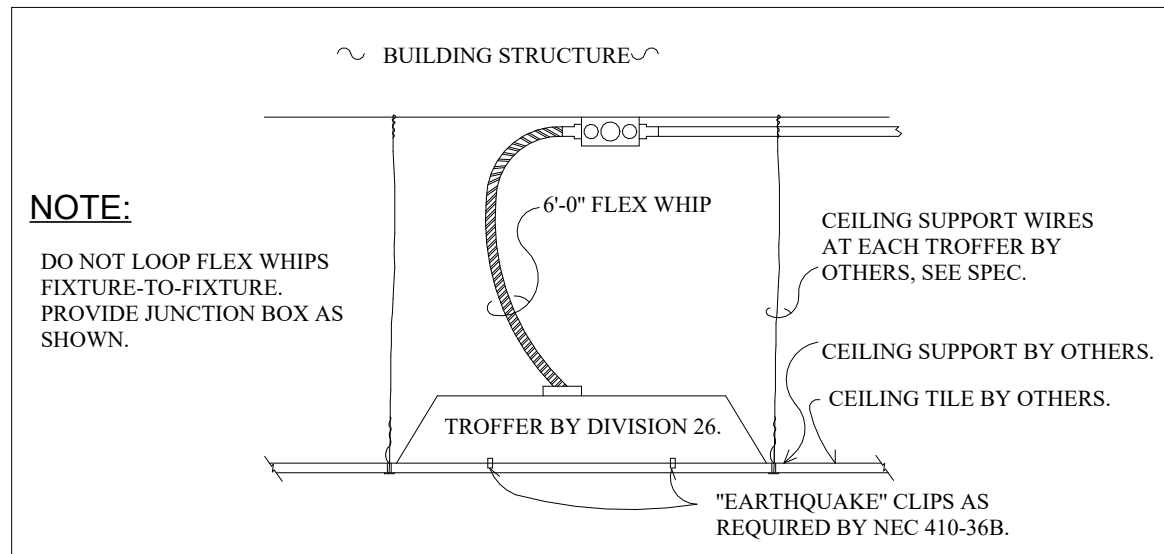
E100



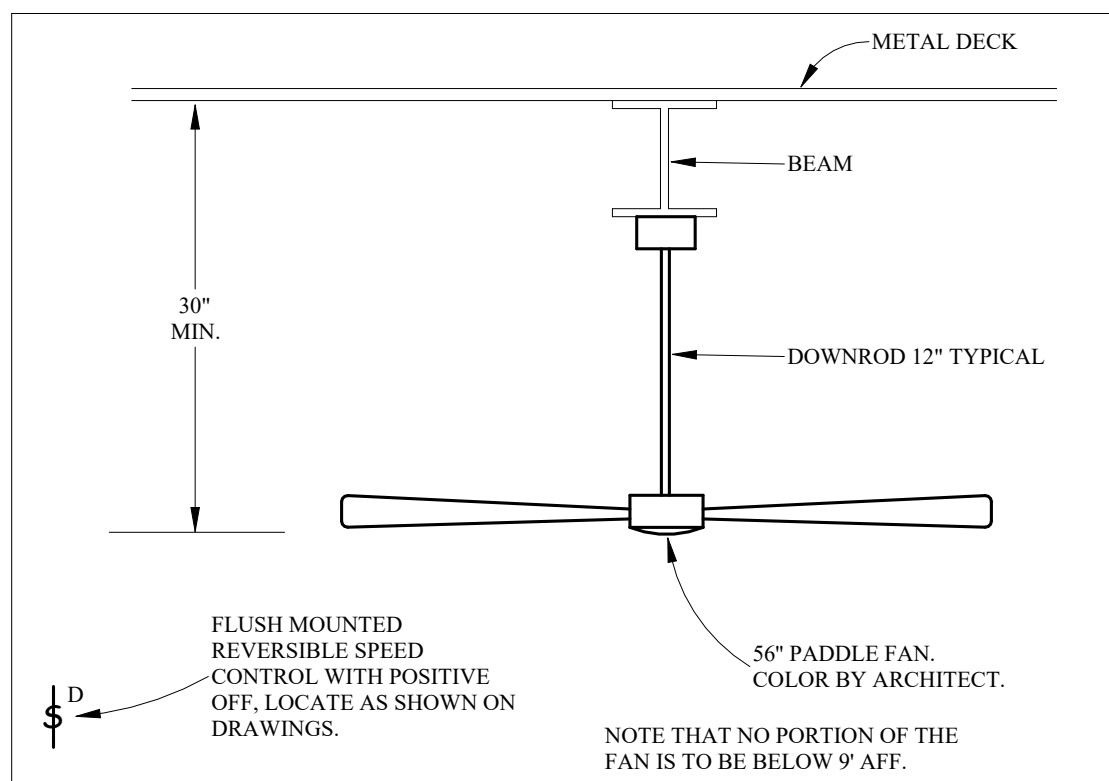
5 EXTERIOR LIGHTING CONTROL
NTS



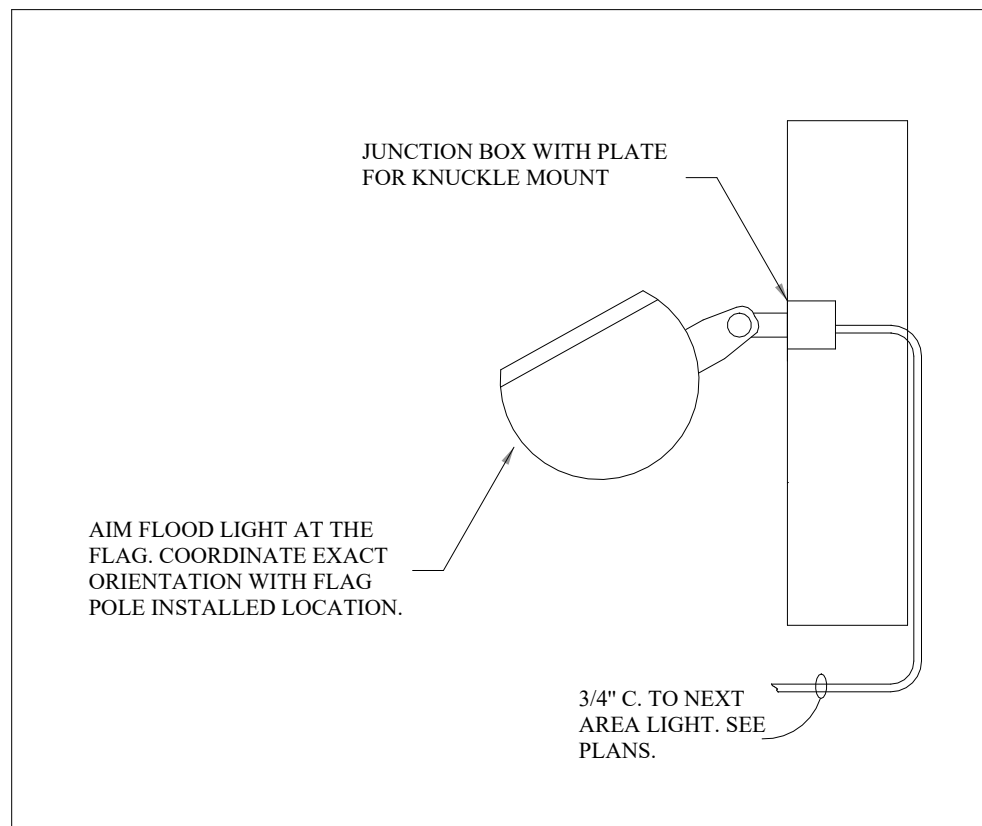
1 Lighting Plan
1/8" = 1'-0"



4 TROFFER INSTALLATION DETAIL
NTS



3 PADDLE FAN DETAIL
NTS



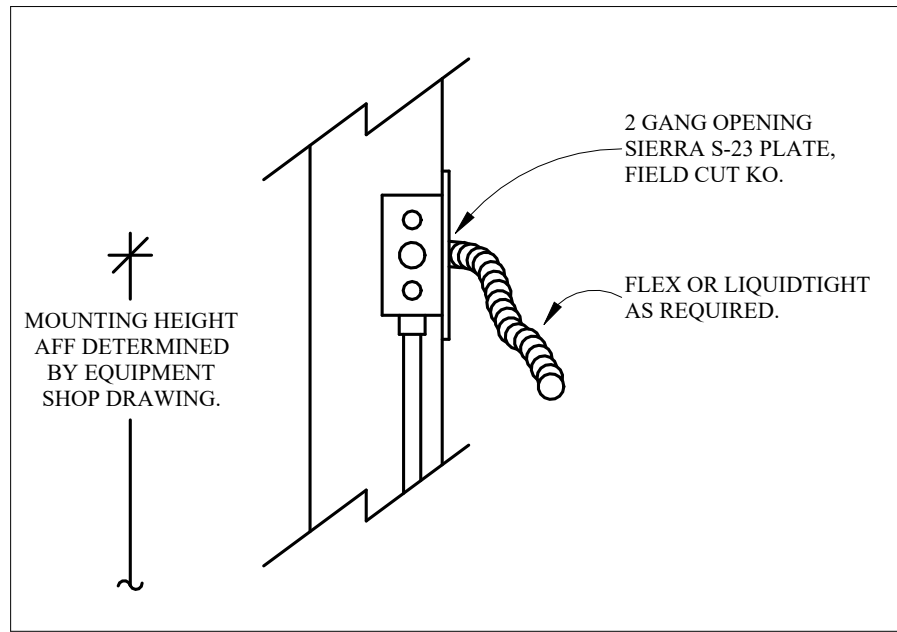
2 FLOOD LIGHT MOUNTING DETAIL
NTS

FOOD SERVICE EQUIPMENT SCHEDULE										
DESIG.	Count	EQUIPMENT SERVED	LOAD	VOLTAGE	PHASE	Disconnect (BY EC)	RECEPT.	DIRECT	REMARKS	
K-1	2	WALK-IN COMBINATION COOLER	1000W	120 V	1	TOGGLE		X	MOUNT AT 106" AFF. REFER TO QF401 FOR DETAILS. DIV 26 TO PROVIDE JUNCTION BOX WITH 3/4" CONDUIT STUBBED UP FOR DATA. COORDINATE WITH F5 EQUIPMENT SUPPLIER PRIOR TO INSTALL.	
K-2	2	COOLER REFRIGERATION SYSTEM	2000W	208 V	1	2-POLE TOGGLE		X		
K-3	1	FREEZER REFRIGERATION SYSTEM	4000W	208 V	1	30/2 FDS		X	MOUNT AT 106" AFF. PROVIDE 30/2 FUSIBLE DISCONNECT SWITCH.	
K-19	2	DISPOSER	2400W	208 V	3	ROTARY SWITCH		X	MOUNT AT 50" AFF. PROVIDE 30/3 ROTARY TYPE NFDS, NEMA TYPE 4X. PROVIDE LIQUID TIGHT CONNECTIONS.	
K-20	1	AIR CURTAIN	900W	120 V	1	TOGGLE			MOUNT AT 106" AFF. WIRE TO CONTROL SWITCH	
K-25	1	PLANETARY MIXER	1800W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 50" AFF.	
K-27	1	EXHAUST HOOD	1800W	120 V	1	DIRECT WIRED		X	REFER TO QF401 FOR DETAILS.	
K-28	1	DOUBLE CONVECTION OVEN	1800W	208 V	1	CORD & PLUG	6-20R		MOUNT AT 30" AFF.	
K-29	2	REFRIGERATED BASE	600W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 30" AFF.	
K-35A	2	GRIDDLE CLAMSHELL	3600W	208 V	1	SD 3/E200		X	MOUNT AT 36" AFF. PROVIDE LIQUID TIGHT CONNECTIONS.	
K-36	3	GAS FRYER	720W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 30" AFF.	
K-37	1	FRY DUMP STATION	600W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 30" AFF.	
K-38	1	REACH-IN FREEZER	960W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 46" AFF.	
K-39	2	SANDWICH PREP REFRIGERATOR	840W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 30" AFF.	
K-40	1	MICROWAVE OVEN	3200W	208 V	1	CORD & PLUG	6-20R		MOUNT AT 72" AFF.	
K-42	1	HOT FOOD SERVING COUNTER	3900W	208 V	1	CORD & PLUG	6-30R		MOUNT AT 30" AFF.	
K-46	3	RE THERMALIZER	840W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 60" AFF.	
K-47A	2	PRINTER	1200W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 30" AFF.	
K-48	1	HEAT STRIP	3270W	208 V	1	SD 3/E200		X	MOUNT AT 60" AFF. PROVIDE LIQUID TIGHT CONNECTIONS.	
K-49	1	HEAT STRIP	3020W	208 V	1	SD 3/E200		X	MOUNT AT 60" AFF. PROVIDE LIQUID TIGHT CONNECTIONS.	
K-50	1	ICE MACHINE	2000W	120 V	1	SD 3/E200		X	MOUNT AT 78" AFF. PROVIDE LIQUID TIGHT CONNECTIONS.	
K-52	1	LETTUCE CRISPER	720W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 50" AFF.	
K-54	1	SODA DISPENSER	600W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 50" AFF.	
K-55	1	TEA BREWER	1800W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 50" AFF.	
K-56	1	COFFEE BREWER	6000W	208 V	1	SD 3/E200		X	MOUNT AT 50" AFF.	
K-61	1	BAG-IN-BOX SYSTEM	1800W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 50" AFF.	
K-71	1	DISHWASHER	11000W	208 V	1	ROTARY SWITCH		X	MOUNT AT 50" AFF. PROVIDE 60/3 ROTARY TYPE NFDS, NEMA TYPE 4X. PROVIDE LIQUID TIGHT CONNECTIONS.	
K-72	1	CONDENSATE HOOD	1800W	120 V	1	DIRECT WIRED		X	REFER TO QF401 FOR DETAILS.	
K-75	1	LIQUOR DISPLAY	360W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 22" AFF.	
K-77	1	LIQUOR DISPLAY	360W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 22" AFF.	
K-82	1	POPCORN POPPER	600W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 22" AFF.	
K-85	1	SODA CHASE	1200W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 22" AFF.	
K-96	1	DRINK BLENDER	1000W	120 V	1	CORD & PLUG	5-20R		MOUNT AT 22" AFF.	

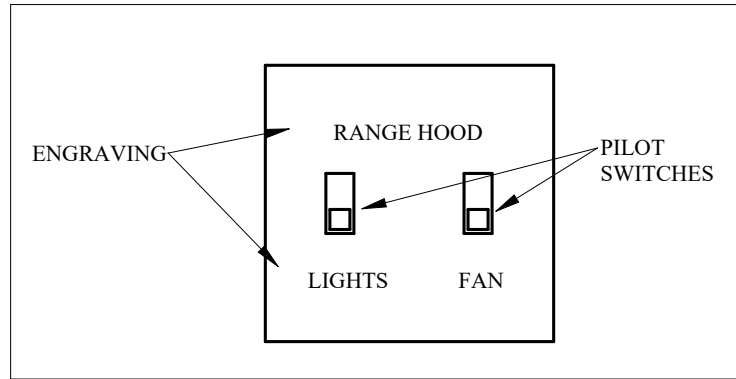
Keynote Legend	
P1	MOTORIZED GAS VALVE LOCATION. PROVIDE POWER AND CONTROL CONNECTIONS AS REQUIRED. SEE DETAIL 4/E301.
P2	VERIFY EXACT LOCATION OF MECHANICAL CONTROL PANEL WITH MC PRIOR TO INSTALLATION.
P3	PROVIDE ELECTRICAL CONNECTION TO ELECTRIC HAND DRYER. COORDINATE DEVICE HEIGHT WITH 6.C.
P4	PROVIDE TOGGLE SWITCHES TO CONTROL THE SIGNAGE RECEPTACLES. ENGRAVED FACEPLATE "BAR SIGNAGE" AND COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
P5	PROVIDE RECEPTACLE AT 72" AFF FOR DISPLAY CASE POWER. EXACT LOCATION AND MOUNTING HEIGHT TO BE CONFIRMED WITH OWNER PRIOR TO INSTALL.
P6	PROVIDE TOGGLE SWITCHES TO CONTROL THE DISPLAY CASE RECEPTACLES. ENGRAVED FACEPLATE "DISPLAY CASES" AND COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
P7	SEE KITCHEN CONTROL PANEL DETAIL AND MAKE ALL CONNECTIONS REQUIRED BY THE EQUIPMENT PROVIDED.
P8	COORDINATE WITH THE CASE WORK SUPPLIER FOR RECEPTACLE IN DISPLAY CABINET.
P9	PROVIDE POWER TO THE OWNER PROVIDED SHED. PROVIDE NEMA 3R 60/2 FUSED DISCONNECT AT THE BUILDING.
P10	LP VAPORIZER BY MC INSTALLED BY EC. SEE SHEET 1/M001 FOR PROPANE TANK LOCATIONS (LOCATED ACROSS THE ALLEY). NOTE THAT A CLASS I, DIV 2 ZONE EXISTS AROUND THE VAPORIZER AND HAS A RADIUS OF 15 FEET.
P11	PROVIDE NEMA 3R 30/2 FUSED DISCONNECT AT THE BUILDING. ALL WIRING AND RACEWAYS TO VAPORIZER LOCATION SHALL BE HAZARDOUS LOCATION CLASS I, DIV 1 WIRING WITH SEAL OFFS AS PER NEC ARTICLE 501.
P12	COORDINATE EXACT HEIGHTS OF BAR RECEPTACLES WITH CASE WORK AND FOOD SERVICE PROVIDER.



1
E200
Power Plan - Main Level
1/8" = 1'-0"



3
E200
KITCHEN EQUIPMENT WALL SERVICE
NTS



2
E200
RANGE HOOD SWITCH DETAIL
NTS

FOODSERVICE NOTES

- FOOD SERVICE EQUIPMENT NUMBERS CO-INCIDE WITH EQUIPMENT SCHEDULE AS SHOWN ON FOOD SERVICE DRAWINGS. SEE SHEET QF401 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- DIV 26 CONTRACTOR SHALL BE RESPONSIBLE FOR OPERATIONAL CONNECTION OF ALL FOOD SERVICE EQUIPMENT.
- ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND THE FOODSERVICE EQUIPMENT DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER.



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DRAWING HISTORY

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1	Construction Documents	08-12-26

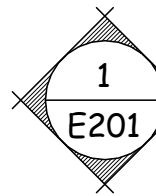
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JN: PE 25062

Power First Floor Plan

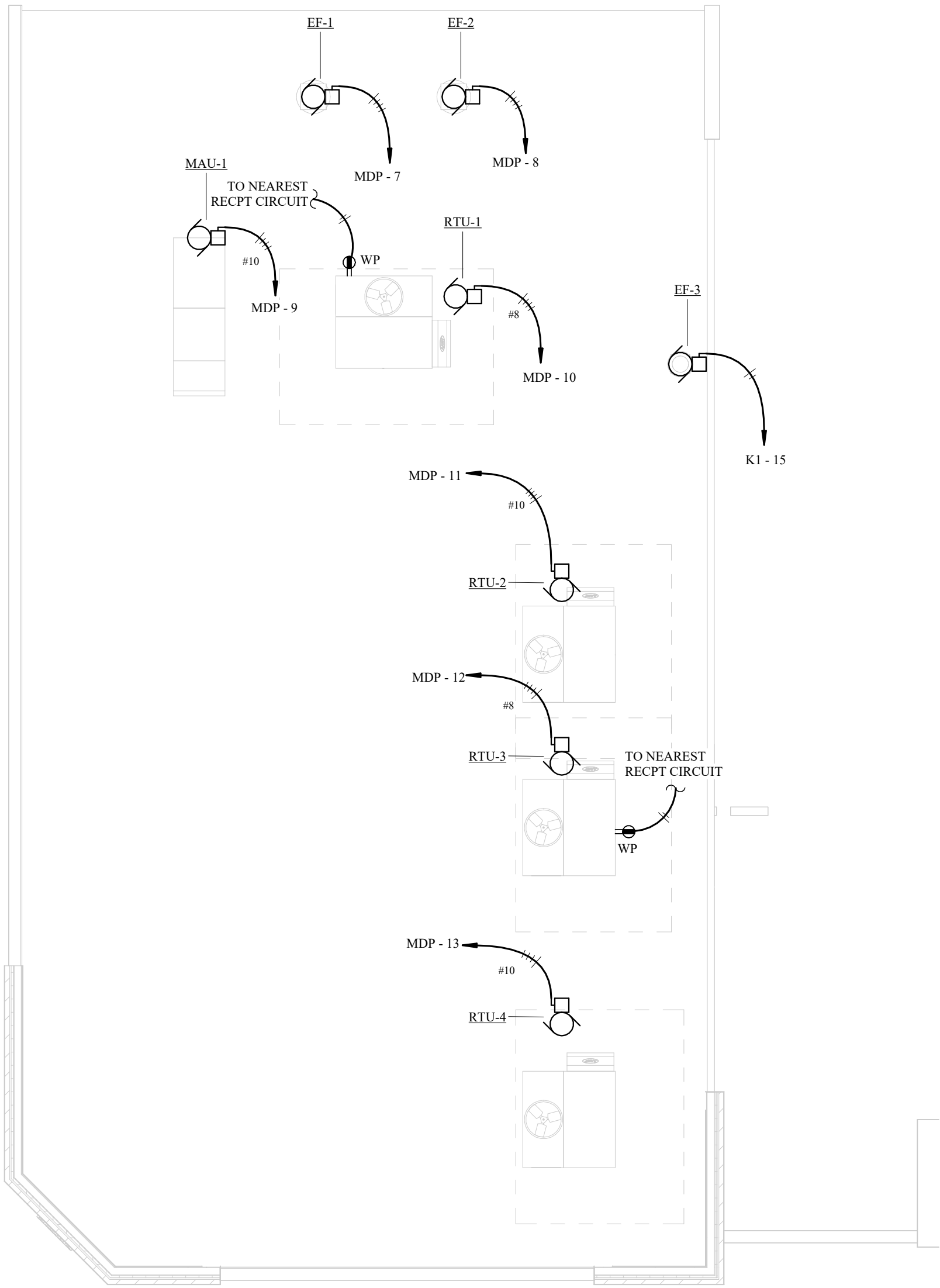
SHEET

E200



Power Plan - Roof Level

1/8" = 1'-0"



Keynote Legend

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DRAWN BY: TCK

JN: PE 25062

Electrical Roof Plan

SHEET

E201

Panelboard: MDP

Volts: 120/208 Wye

Mains Rating: 400 A

Height: 90"

Phase: 3

Mains Type: MCB

Width: 30"

Wire: 4

Mounting: Floor

Depth: 11"

EATON POW-R-LINE SERIES

Notes:

PRL4X floor mount - 90" high - 50X units

Bus Height: FULL

Surge Protection Device Size: 240 kA Integral Mount

Integral Power Meter: Electro Industries Shark 200V3 or equivalent with ethernet connection to include: Instantaneous and Peak kW, kWh, kVA, kVAR, PF, and THD

CKT #	DESCRIPTION	CKT BRK	A	B	C	Notes	
1	PANEL P1	225 A	3	12 kVA	13 kVA	12 kVA	
2	PANEL K1	225 A	3	24 kVA	21 kVA	22 kVA	
3	PANEL KH	100 A	3	5 kVA	3 kVA	3 kVA	
4	EXISTING PANEL	100 A	2	2 kVA		2 kVA	PHASE A&C
5	EXISTING PANEL	100 A	2		2 kVA	2 kVA	PHASE B&C
6	SPARE	100 A	3	0 kVA	0 kVA	0 kVA	
7	EF-1	20 A	3	1 kVA	1 kVA	1 kVA	
8	EF-2	20 A	3	1 kVA	1 kVA	1 kVA	
9	MAU-1	30 A	3	2 kVA	2 kVA	2 kVA	
10	RTU-1	40 A	3	3 kVA	3 kVA	3 kVA	
11	RTU-2	30 A	3	2 kVA	2 kVA	2 kVA	
12	RTU-3	40 A	3	3 kVA	3 kVA	3 kVA	
13	RTU-4	30 A	3	2 kVA	2 kVA	2 kVA	
14	SPACE	--	3	--	--	--	
Amps per Phase:			477 A	435 A	453 A		
LOAD		CONNECTED		DEMAND		ADJUSTED	
LIGHTING		9 kVA		100.00%		9 kVA	
RECEPTACLES		18 kVA		77.50%		14 kVA	
HVAC		59 kVA		100.00%		59 kVA	
KITCHEN		75 kVA		65.00%		49 kVA	
OTHER		0 kVA		100.00%		0 kVA	
Total kVA:						133 kVA	
Total Amps:						369 A	

Panel: P1											
Volts: 120/208 Wye				Phase: 3				Wire: 4			
Mains Rating: 225 A				Mains Type: MLO				Mounting: Surface			
EATON POW-R-LINE SERIES											
Notes:											
DESCRIPTION	CKT BRK	CKT #	GFCI	A	B	C	GFCI	CKT #	CKT BRK	DESCRIPTION	
RESTURANT GEN RECPT	20	1	1	1440	912			2	1	20	BATHROOM LIGHTS
RESTURANT GEN RECPT	20	1	3		1080	1120		4	1	20	DINING LIGHTS
RESTURANT GEN RECPT	20	1	5			1260	1230	6	1	20	KITCHEN LIGHTS
ENTER AND SOUTH RECPT	20	1	7	600	1126			8	1	20	BAR LIGHTS
ENTER AND SOUTH RECPT	20	1	9		720	626		10	1	20	BAR LIGHTS
ENTER AND SOUTH RECPT	20	1	11			720	837	12	1	20	LOBBY AREA LIGHTING
WEST BAR RECPT	20	1	13	180	819			14	1	20	RESTURANT LIGHTING
WEST BAR RECPT	20	1	15		540	939		16	1	20	RESTURANT LIGHTING
WEST BAR RECPT	20	1	17			540	960	18	1	20	RESTURANT FEATURE...
RR AND POOL WALL RECPT	20	1	19	900	240			20	1	20	RESTURANT FANS
RR AND POOL WALL RECPT	20	1	21		720	240		22	1	20	BAR FANS
RR AND POOL WALL RECPT	20	1	23			540	740	24	1	20	ENTRY FEATURE LIGHTS
PULL TAB	20	1	25	180	0			26	1	20	FIRE PANEL
PULL TAB	20	1	27		180	180		28	1	20	DATA RACK
PULL TAB	20	1	29			180	180	30	1	20	SURVEILLANCE POWER
PULL TAB	20	1	31	180	0			32	1	20	CONTROLLED ACCESS
PULL TAB	20	1	33		180	720		34	1	20	BAR TV
PULL TAB	20	1	35			180	0	36	1	20	HAND DRYER
WEST BAR SIGNS	20	1	37	900	0			38	1	20	HAND DRYER
SOUTH BAR SIGNS	20	1	39		900	0		40	1	20	HAND DRYER
EAST BAR SIGNS	20	1	41			900	0	42	1	20	HAND DRYER
SERVER STATION	20	1	43	360	360			44	1	20	POOL TABLE FLOORBOX
MEM BOXES	20	1	45		1080	180		46	1	20	FURNACE
MECH RECPT	20	1	47			540	180	48	1	20	WATER PUMP
			49	990				50	1	20	EXTERIOR LIGHTS
			51		600			52	1	20	EXTERIOR LIGHTS
			53					54			
			55					56			
			57					58			
			59				0	60	1	20	HEATER
			61	1500				62	2	30	CONDENSING UNIT
			63		1500			64	--	--	--
			65			1500		66	2	60	SHED POWER
			67	1500				68	--	--	--
			69		1500			70	2	20	VAPORIZER
			71			1500		72	--	--	--
			73	0				74	2	20	MAIN ENTRY HEATER
			75		0			76	--	--	--
			77			0		78	2	20	SECONDARY ENTRY...
			79	0				80	--	--	--
			81		0			82	2	20	BACK DOOR HEATER
			83			0		84	--	--	--
Amps per Phase:				102 A	109 A	100 A					
LOAD	CONNECTED			DEMAND			ADJUSTED				
LIGHTING	9.4 kVA			100.00%			9.4 kVA				
RECEPTACLES	16.0 kVA			81.21%			13.0 kVA				
HVAC	10.3 kVA			100.00%			10.3 kVA				
KITCHEN	Not Computed			0.00%			Not Computed				
OTHER	0.4 kVA			100.00%			0.4 kVA				
Total kVA:							34.2 kVA				
Total Amps:							94.8 A				

Panel: K1													
Volts: 120/208 Wye				Phase: 3				Wire: 4					
Mains Rating: 225 A				Mains Type: MLO				Mounting: Surface					
EATON POW-R-LINE SERIES													
Notes:													
DESCRIPTION	CKT BRK	CKT #	GFCI	A	B	C	GFCI	CKT #	CKT BRK	DESCRIPTION			
PRINTER	20	1	1	X	1800	1000		X	2	20	COOLER SYSTEM		
PREP FRIDGE	20	1	3	X		840	1000		X	4	--		
PRINTER	20	1	5	X			1800	1000	X	6	20	COOLER SYSTEM	
HEAT STRIP	20	1	7	X	180	1000			X	8	--		
TEA BREWER	20	1	9	X		1728	1700		X	10	2	30	FREEZER SYSTEM
LETTUCE CRISPER	20	1	11	X			660	1700	X	12	--		
ICE MACHINE	30	1	13	X	2000	996			X	14	1	20	COOLER FREEZER
EF-3	20	1	15	X		864	996		X	16	1	20	COOLER FREEZER
HOT WELLS	30	2	17	X			1955	180	X	18	1	20	FREEZER
	--	--	19	X	1955	1800			X	20	1	20	PLANETARY MIXER
COFFEE BREWER	40	2	21	X		3026	3709		X	22	3	60	DISHWASHER
	--	--	23	X			3026	3709	X	24	--	--	--
KITCHEN RECPT	20	1	25	X	360	3709			X	26	--	--	--
KITCHEN RECPT	20	1	27	X		180	720		X	28	1	20	GENERAL RECPT
KITCHEN RECPT	20	1	29	X			180	540	X	30	1	20	GENERAL RECPT
THERMALIZER	20	1	31	X	804	720			X	32	1	20	GENERAL RECPT
THERMALIZER	20	1	33	X		804	360		X	34	1	20	KITCHEN RECPT
THERMALIZER	20	1	35	X			804	180	X	36	1	20	KITCHEN RECPT
KITCHEN HOOD	20	1	37	X	996	180			X	38	1	20	KITCHEN RECPT
PREP FRIDGE	20	1	39	X		840	0		X	40	1	20	AIR CURTAIN
MICROWAVE	30	2	41	X			1100	0	X	42	1	20	GAS VALVE
	--	--	43	X	1100	1189			X	44	2	20	DISPOSER
BAG AND BOX	20	1	45	X		180	1189		X	46	--	--	--
POPCORN	20	1	47	X			600	1189	X	48	2	20	DISPOSER
CONDENSATE HOOD	20	1	49	X	996	1189			X	50	--	--	--
BAR RECPT	20	1	51	X		360	402		X	52	2	20	HEAT LAMP
BAR RECPT	20	1	53	X			360	402	X	54	--	--	--
KITCHEN RECPT	20	1	55	X	180	402			X	56	2	20	HEAT LAMP
SPARE	20	1	57	X		0	402		X	58	--	--	--
SPARE	20	1	59	X			0	180	X	60	1	20	BACK BAR RECPT
SPARE	20	1	61	X	0	180			X	62	1	20	BACK BAR RECPT
SPARE	20	1	63	X		0	360		X	64	1	20	LIQUOR DISPLAY
SPARE	20	1	65	X			0	360	X	66	1	20	LIQUOR DISPAY
			67		1180				X	68	1	20	BAR BLENDER
			69			360			X	70	1	20	BAR COUNTER RECPT
			71				180		X	72	1	20	BAR COUNTER RECPT
			73		360				X	74	1	20	BAR COUNTER RECPT
			75			180			X	76	1	20	BAR COUNTER RECPT
			77				1380		X	78	1	20	BAR SODA CHASE
			79		180				X	80	1	20	BAR COUNTER RECPT
			81			360			X	82	1	20	BAR COUNTER RECPT
			83				180		X	84	1	20	BAR COUNTER RECPT
Amps per Phase:				205 A	171 A	182 A							
LOAD		CONNECTED				DEMAND			ADJUSTED				
LIGHTING		Not Computed				0.00%			Not Computed				
RECEPTACLES		2.2 kVA				100.00%			2.2 kVA				
HVAC		0.9 kVA				100.00%			0.9 kVA				
KITCHEN		63.7 kVA				65.00%			41.4 kVA				
OTHER		Not Computed				0.00%			Not Computed				
						Total kVA: 44.4 kVA							
						Total Amps: 123.2 A							



American Legion -
New Town, ND

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ELECTRICAL

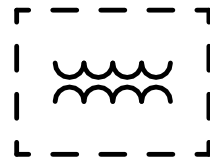
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FOODSERVICE

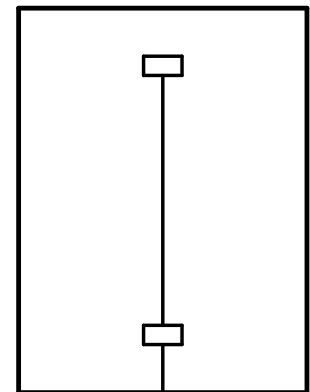
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7900 INTERNATIONAL DRIVE
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BLOOMINGTON, MN 55425
(612) 325-1494 OFFICE



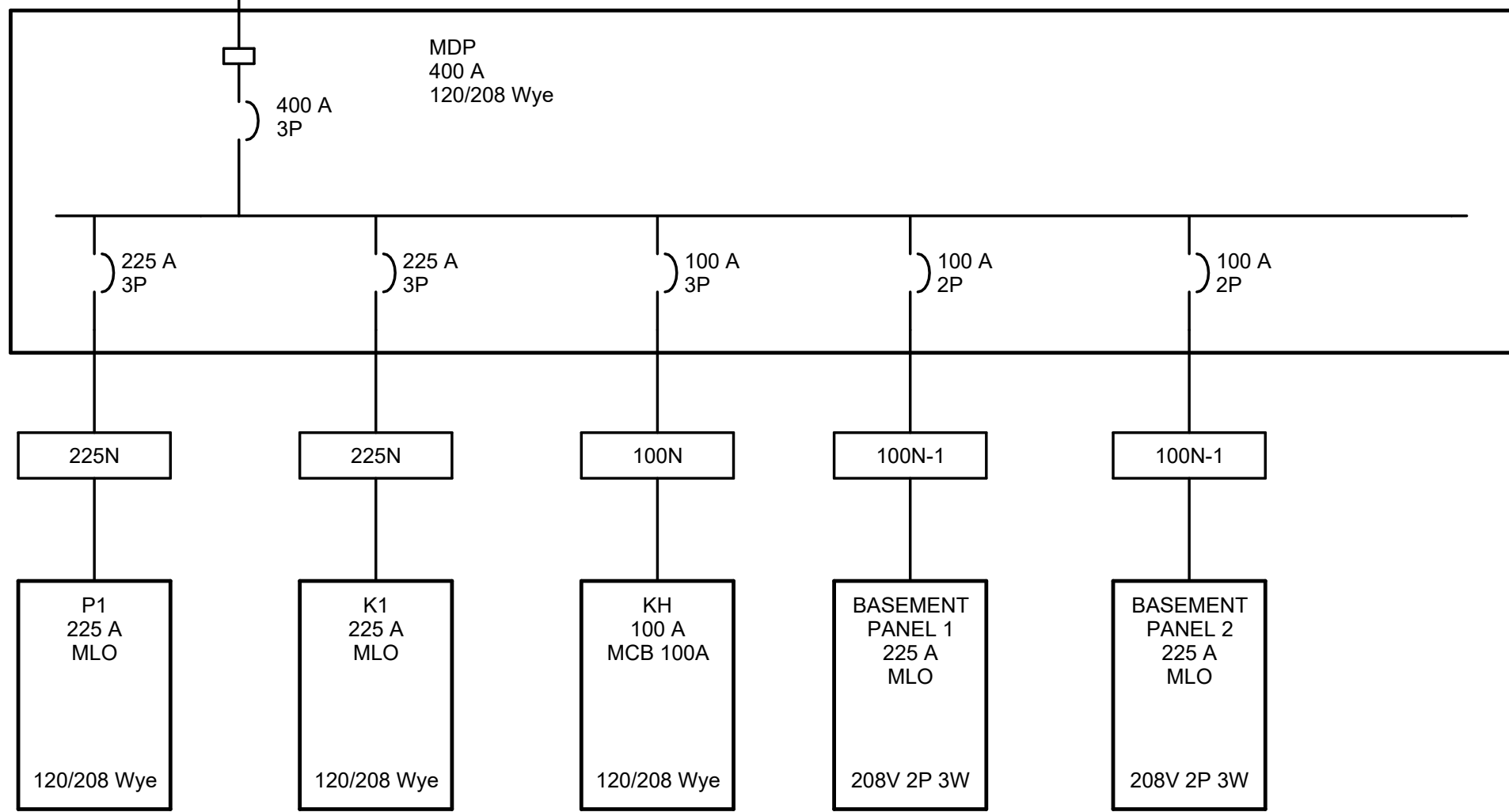
UTILITY TRANSFORMER

FEEDER SCHEDULE	
	3#2, #2N, #8G, 1-1/4" C
	2#2, #2N, #8G, 1-1/4" C
	3-4/0, 4/0N, #4G, 2-1/2" C
	3-500 KCMIL, 500 KCMIL N, 3-1/2" C

CT

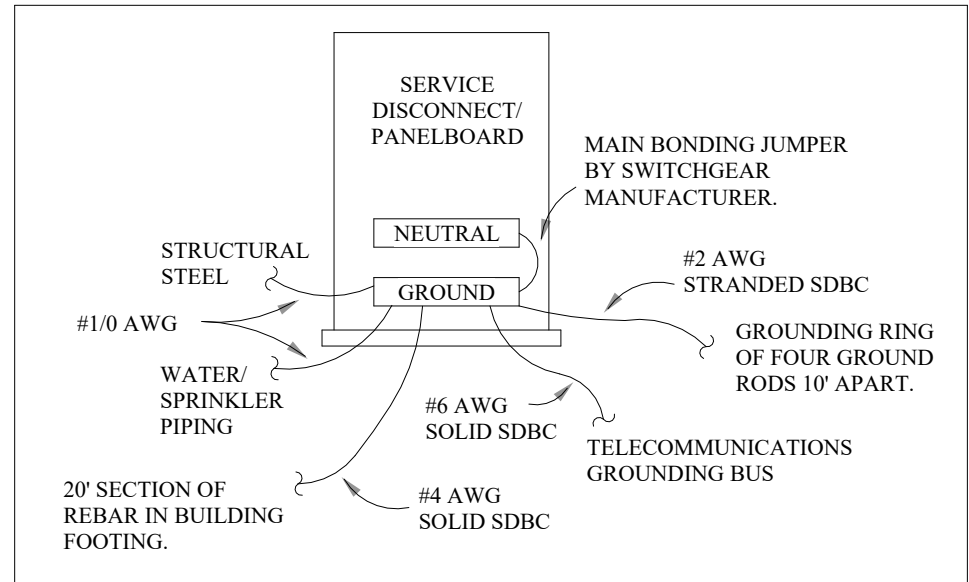


400T



NOTES:

- FEEDER RISERS ARE SCHEMATIC ONLY, AND NOT INTENDED TO INFER LUG ARRANGEMENTS.
- SEE SPECIFICATION FOR GROUNDING REQUIREMENTS, ALLOWABLE PVC USAGE, AND ALLOWABLE EXPOSED EXTERIOR STUB-UPS.
- CONDUCTORS SIZING BASED UPON 60 DEGREE TERMINATIONS FOR OVERCURRENT PROTECTIVE DEVICES RATED 100 AMPERES OR LESS, AND 75 DEGREE TERMINATIONS FOR RATINGS GREATER THAN 100 AMPERES, AS PER NEC TABLE 310.16, 240.4, 310.15(B2), AND 310.15(B4). IN NO CASE SHALL INDICATED SIZING BE DECREASED.
- OBTAIN AVAILABLE FAULT CURRENT AT UTILITY COMPANY TRANSFORMER SECONDARY TERMINALS DIRECTLY FROM SERVING UTILITY COMPANY. ASSUME SAME RATING AT SERVICE MAIN. INCLUDE UTILITY COMPANY CORRESPONDENCE WITH SHOP DRAWINGS. SIZE INTERRUPTING RATINGS OF ALL DOWNSTREAM DEVICES IN ACCORDANCE WITH AVAILABLE FAULT CURRENT AS PER NEC 110-9. UL-RECOGNIZED SERIES RATINGS ACCEPTABLE WITH MINIMUM RATINGS AS PER SPECIFICATION. RECALCULATE FAULT CURRENT AT SECONDARY TERMINALS OF SEPARATELY DERIVED SYSTEMS, BASED ON MANUFACTURER'S TRANSFORMER IMPEDANCE ASSUMING AVAILABLE PRIMARY FAULT CURRENT EQUAL TO SERVICE MAIN. EQUIPMENT THAT IS PART OF A SERIES RATED COMBINATION SHALL BE LEGIBLY MARKED IN THE FIELD BY THE CONTRACTOR AS PER NEC 110.22, TO INDICATE THE EQUIPMENT HAS BEEN APPLIED WITH A SERIES COMBINATION RATING.
- UTILITY COMPANY TO PROVIDE THE CONDUIT AND CABLE TO THE NEW CT LOCATION.
- PROVIDE 400A 208V 3Ø 4W FEED THROUGH METER. VERIFY THE EXACT REQUIREMENTS WITH THE UTILITY.
- GROUND PER SYSTEM GROUNDING DETAIL 2/E203.



1
E203

NTS

RISER DIAGRAM

2
E203

SYSTEM GROUND DETAIL

MOTOR & EQUIPMENT SCHEDULE

DESIG.	EQUIPMENT SERVED	HP/AMPS	VOLT	PHASE	DISCONNECT (BY EC)	CONTROLLER (BY EC)	CONTROL INITIATING DEVICE			NOTE
							DEVICE	FURN	MTD	
CU-1	CONDENSING UNIT	18.6 MCA	208 V	1	30/2 NEMA 3R FDS	INTEGRAL	F-1	-	-	FUSE AS PER THE MOCF ON THE EQUIPMENT NAMEPLATE.
EF-1,2	EXHAUST FAN	2	208 V	3	INTEGRAL	INTEGRAL	KITCHEN PANEL	MC	EC	
EF-3	EXHAUST FAN	1/3	120 V	1	INTEGRAL	INTEGRAL	SWITCH	EC	EC	
EF-4,5,6	EXHAUST FAN	FRAC	120 V	1	20A 1-POLE TOGGLE	INTEGRAL	SWITCH W/LIGHTS	EC	EC	
F-1	FURNACE	1/2	120 V	1	20A 1-POLE TOGGLE	INTEGRAL	T-STAT	MC	EC	
HDO-1,2	HANDICAPPED DOOR OPERATOR	FRAC	120 V	1	20A 1-POLE TOGGLE	INTEGRAL	PUSH BUTTON	GC	EC	
MAU-1	MAKE UP AIR UNIT	15.4 MCA	208 V	3	30/3 NEMA 3R FDS	INTEGRAL	KITCHEN PANEL	MC	EC	FUSE AS PER THE MOCF ON THE EQUIPMENT NAMEPLATE. PROVIDE DUCT DETECTION AS PER SPECIFICATION SECTION 283111 AND DETAIL 1/E301
P-1	PUMP	FRAC	120 V	1	CORD & PLUG	INTEGRAL	AQUASTAT	MC	MC	
RTU-1,3	ROOF TOP UNIT	28.9 MCA	208 V	3	60/3 NEMA 3R FDS	INTEGRAL	T-STAT	MC	EC	FUSE AS PER THE MOCF ON THE EQUIPMENT NAMEPLATE.
RTU-2	ROOF TOP UNIT	22.2 MCA	208 V	3	30/3 NEMA 3R FDS	INTEGRAL	T-STAT	MC	EC	FUSE AS PER THE MOCF ON THE EQUIPMENT NAMEPLATE.
RTU-4	ROOF TOP UNIT	19.2 MCA	208 V	3	30/3 NEMA 3R FDS	INTEGRAL	T-STAT	MC	EC	FUSE AS PER THE MOCF ON THE EQUIPMENT NAMEPLATE.
SHED-1	OWNER PROVIDED SHED	TBD	208 V	1	60/2 NEMA 3R FDS	INTEGRAL	N/A	-	-	VERIFY EXACT LOAD IN THE OWNER PROVIDED LOAD CENTER AND FUSE DOWN AS REQUIRED.
VAP-1	VAPORIZER	3000W	208 V	1	30/2 NEMA 3R FDS	INTEGRAL	IGNITOR	MC	MC	



DRAWING HISTORY

NO.	DESCRIPTION	DATE
1	Construction Documents	08-12-26

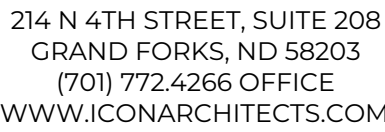
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JN: PE 25062

Power Details

SHEET

E203



352 Main St.
New Town, ND 58763

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CIVIL

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FOODSERVICE

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BLOOMINGTON, MN 55425
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NO.	DESCRIPTION	DATE
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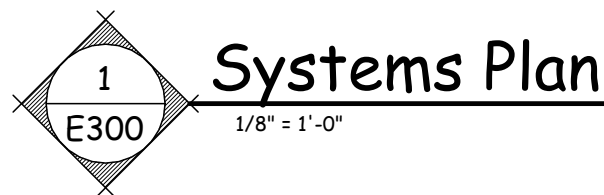
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JN: PE 2506

Systems First Floor Plan

SHEET

E300



Keynote Legend	
S1	MOTORIZED GAS VALVE LOCATION. PROVIDE POWER AND CONTROL CONNECTIONS AS REQUIRED. SEE DETAIL 4/E301.
S2	PROVIDE ONE NETWORK DROP AT THIS LOCATION. PROVIDE ONE (1) FOOT OF EXCESS SERVICE LOOP FOR SURVEILLANCE EQUIPMENT SUPPLIED AND INSTALLED BY OTHERS. COORDINATE EXACT LOCATION AS REQUIRED. SEE DETAIL 2/E301 AS REQUIRED.
S3	PROVIDE NETWORK DROP(S) AT THIS LOCATION. PROVIDE TEN (10) FOOT OF EXCESS SERVICE LOOP FOR SURVEILLANCE EQUIPMENT. SURVEILLANCE EQUIPMENT SUPPLIED AND INSTALLED BY OTHERS. PROVIDE PROPER J-HOOK SUPPORT AND CABLE TIE TO STRUCTURE AS REQUIRED. COORDINATE EXACT LOCATION AS REQUIRED. SEE DETAIL 2/E301 AS REQUIRED.
S4	PROVIDE CAT6A NETWORK DROP(S) AT THIS LOCATION ABOVE ACCESSIBLE CEILING SPACE OR AT THE CEILING STRUCTURE. PROVIDE FIFTEEN (15) FOOT OF EXCESS SERVICE LOOP FOR WIRELESS ACCESS POINT. WIRELESS ACCESS POINT SUPPLIED AND INSTALLED BY OTHERS. PROVIDE PROPER J-HOOK AND CABLE TIE TO STRUCTURE AS REQUIRED.
S5	ROUGH-IN FOR CONTROL ACCESS SYSTEM AS PER DETAIL 5/E301. CONDUIT SHALL BE ROUTED ALL THE WAY BACK TO THE CONTROLLED ACCESS CONTROL PANEL. EC TO INSTALL THE CABLING PROVIDED BY OWNERS VENDOR. COORDINATE EXACT ROUTING WITH OWNERS VENDOR.
S6	PROVIDE AND INSTALL RELAYS AS REQUIRED TO INTERFACE ACCESS CONTROL SYSTEM WITH HANDICAP DOOR OPERATORS. EXIT DOOR BUTTON RELAY SHALL AUTOMATICALLY TRIGGER ELECTRIFIED LATCH. ENTRANCE DOOR BUTTON RELAY SHALL DISABLE OPERATOR UNLESS ELECTRIFIED LATCH IS ENERGIZED.
S7	PROVIDE JUNCTION BOX AT THIS LOCATION AND RACEWAY BACK TO THE JUKE BOX LOCATION WITH PULL STRING FOR FUTURE SPEAKER CABLING BY OTHERS.
S8	JUKE BOX LOCATION
S9	FACP SHALL MONITOR HOOD SUPPRESSION SYSTEM AS A SUPERVISORY ALARM.
S10	PROVIDE CONDUIT WITH WATER BLOKED OUTSIDE PLANT DATA CABLING TO THE FUTURE OWNER PROVIDED SHED. VERIFY EXACT LOCATION WITH OWNER PRIOR TO INSTALL.
S11	ALL DATA RUNS THROUGH EXPOSED CEILINGS SHALL BE RUN IN CONDUIT AND PAINTED BLACK TO MATCH THE CEILINGS.
S12	VERIFY THE FIRE SPRINKLER BELL LOCATION WITH FIRE SUPPRESSION SYSTEM INSTALLER AND INSTALL AS PER THEIR REQUIREMENTS.
S13	VERIFY THE FIRE SPRINKLER RISER LOCATION WITH FIRE SUPPRESSION SYSTEM INSTALLER AND INSTALL THE REQUIRED NUMBER OF FLOW SWITCHES AND TAMPER SWITCHES AS PER THEIR REQUIREMENTS.
S14	PROVIDE 3" CONDUIT STUB TO OUTSIDE THE BUILDING FOR THE INTERNET SERVICE PROVIDER. VERIFY EXACT LOCATION WITH THE ISP.
S15	PROVIDE TEN (10) NEW NOTIFICATION DEVICES IN THE BASEMENT AREA. SEE KEYNOTE E6 LOCATIONS SHOWN 2/E001
S16	APPROXIMATE LOCATION OF HOOD PULL STATION. COORDINATE EXACT LOCATION WITH FOOD SERVICE DRAWINGS.



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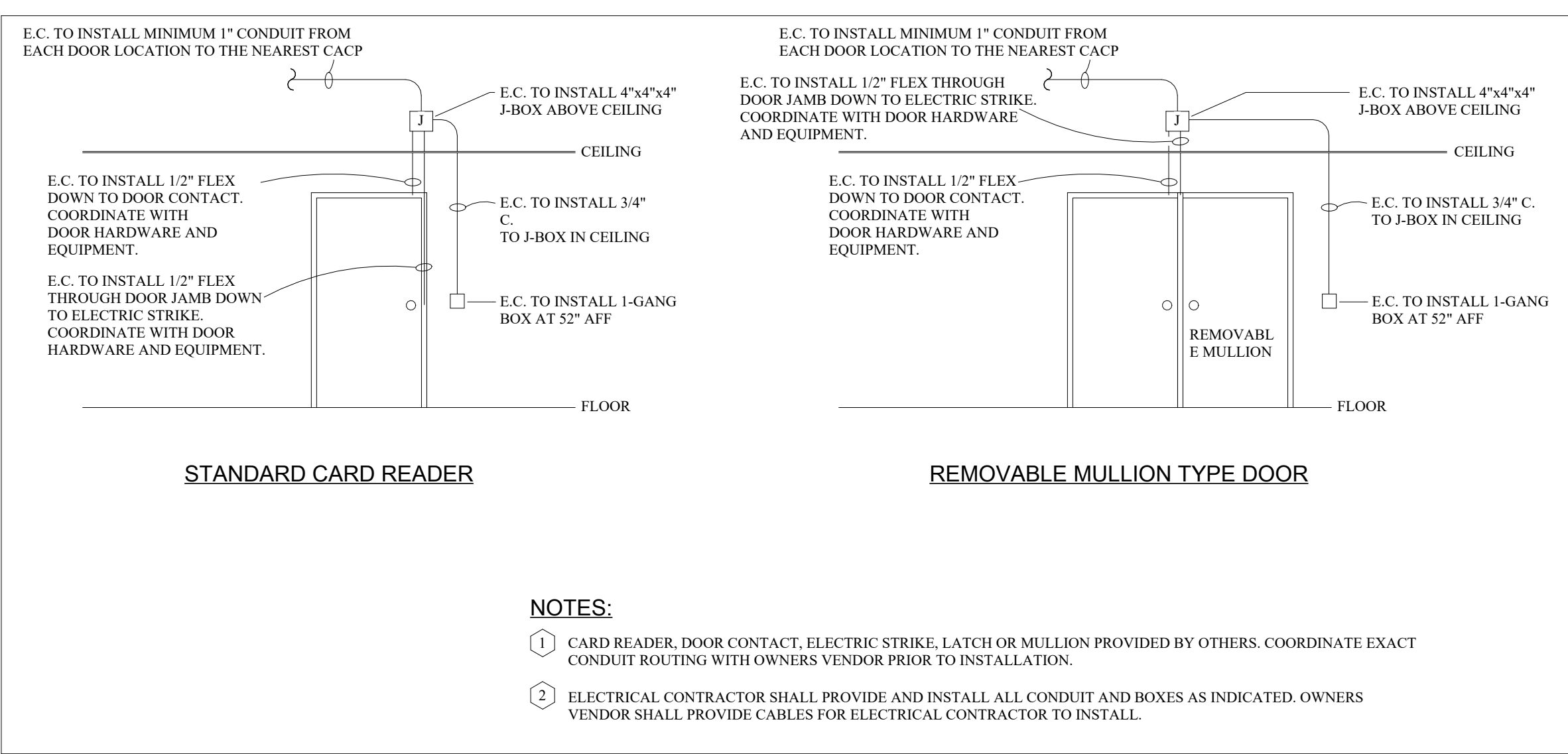
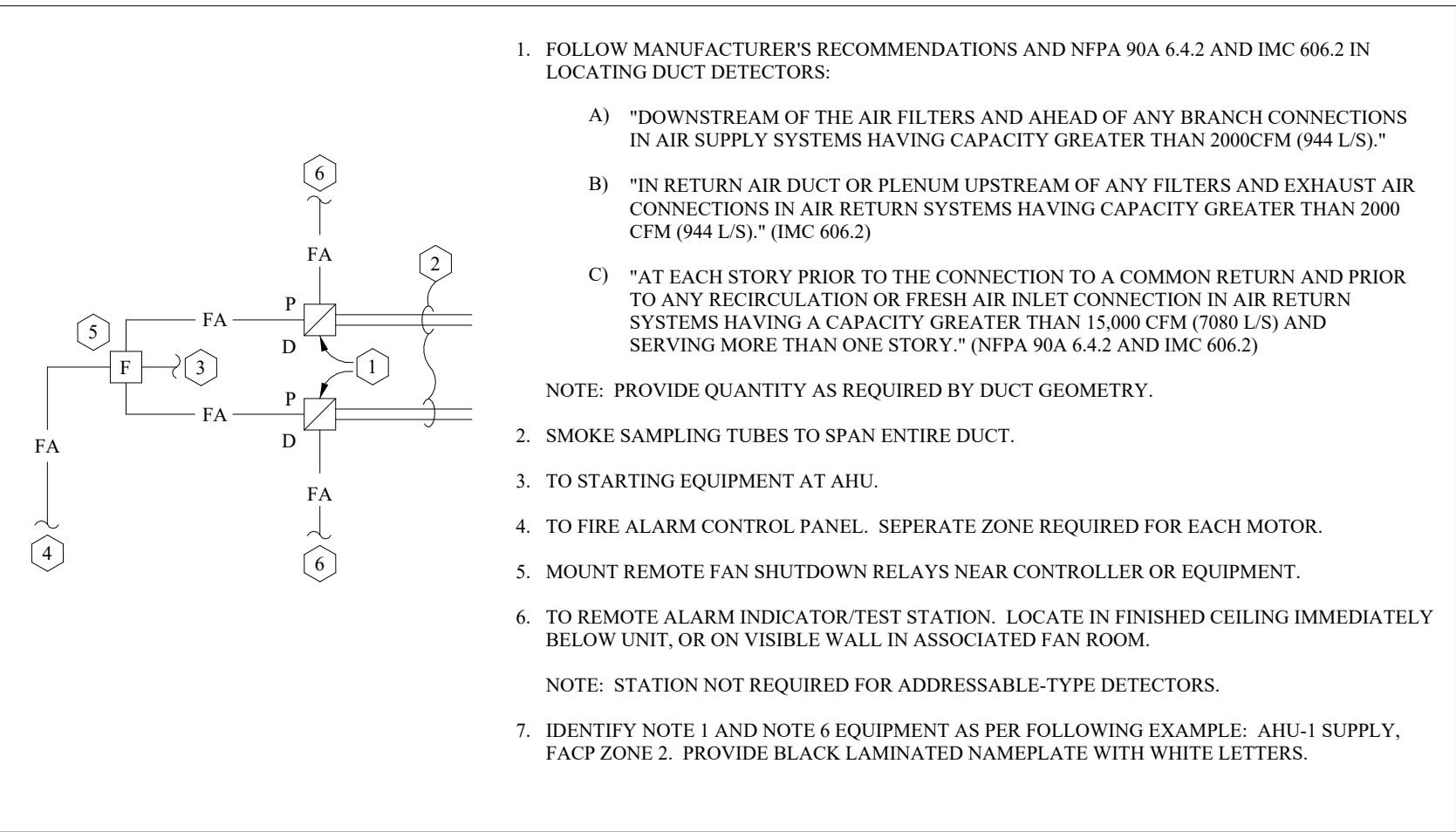
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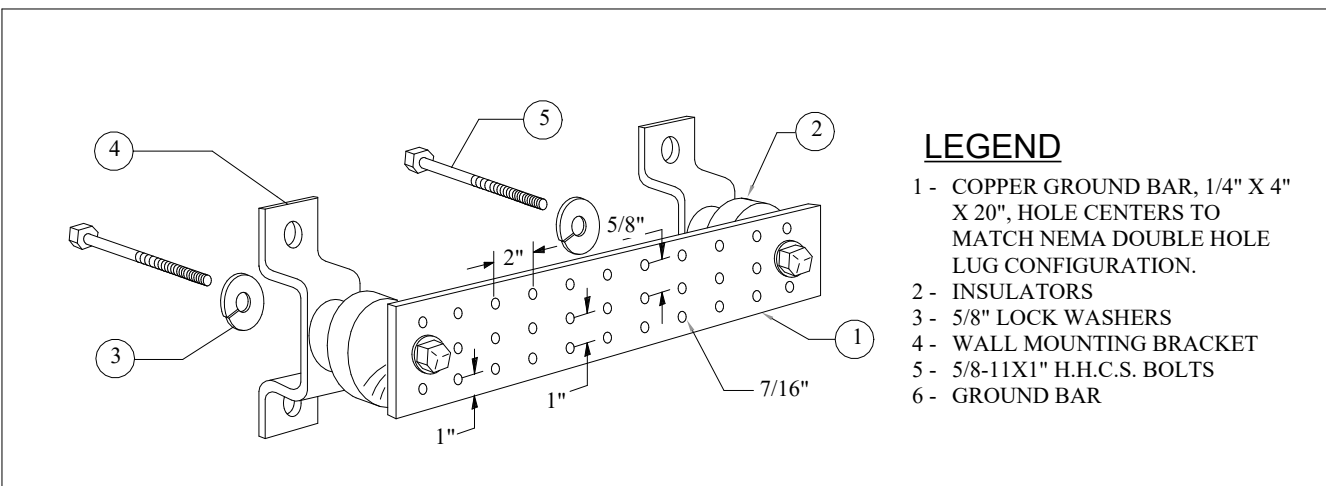
Systems Details

SHEET

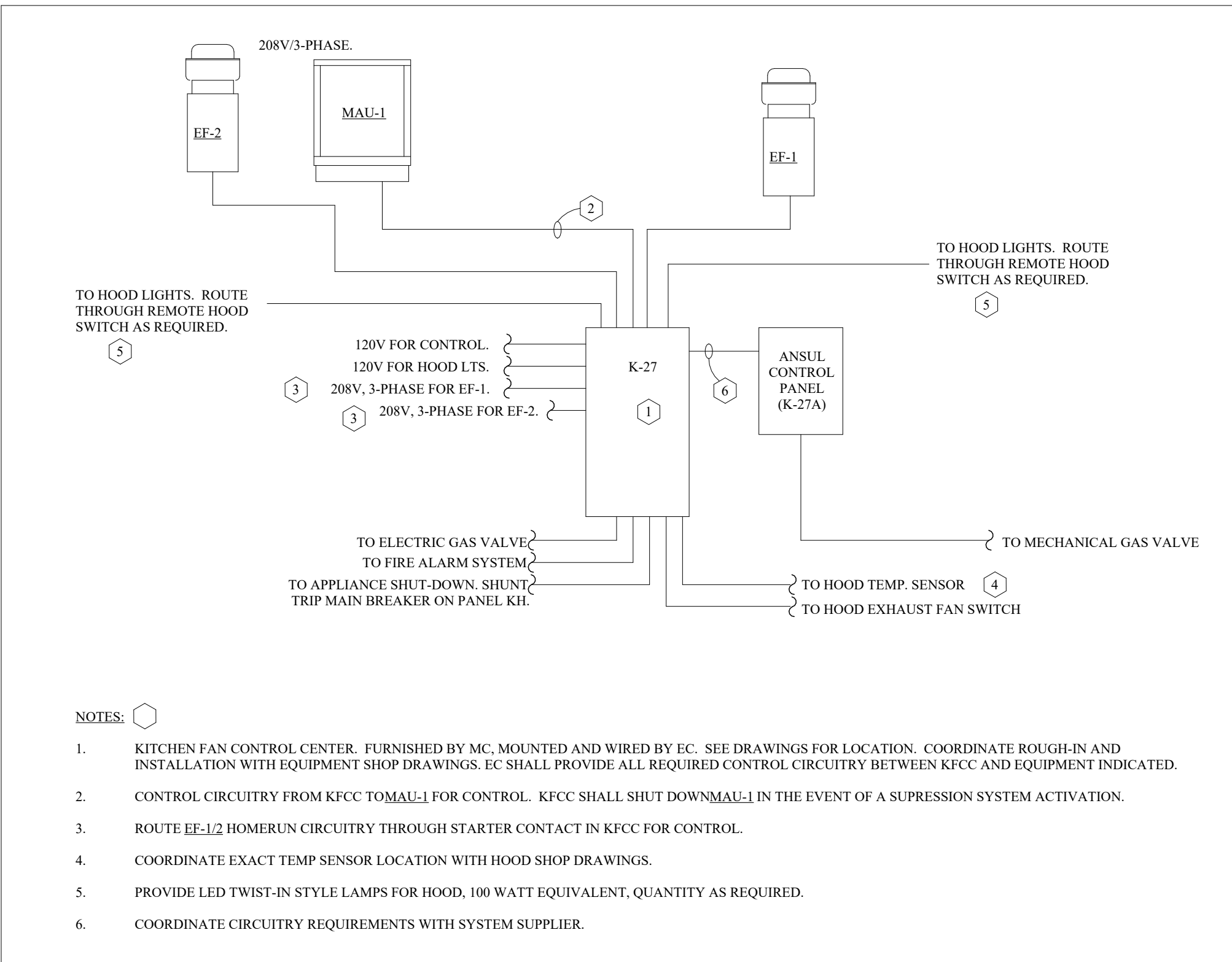
E301



CARD READER INSTALLATION

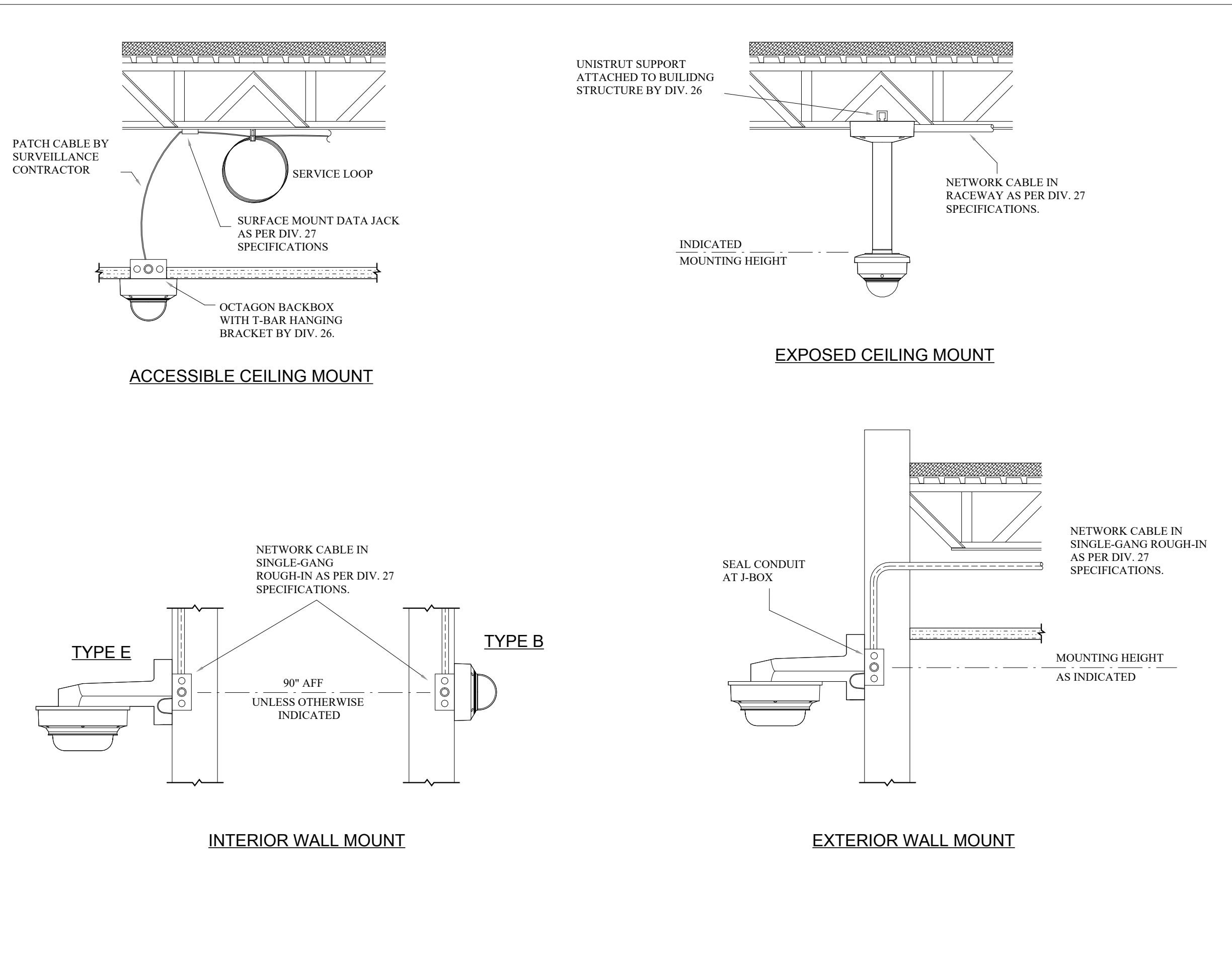


GROUND BAR DETAIL



KITCHEN EXHAUST WIRING

DUCT DETECTION INSTALLATION



SURVEILLANCE CAMERA INSTALLATION

KITCHEN EXHAUST WIRING