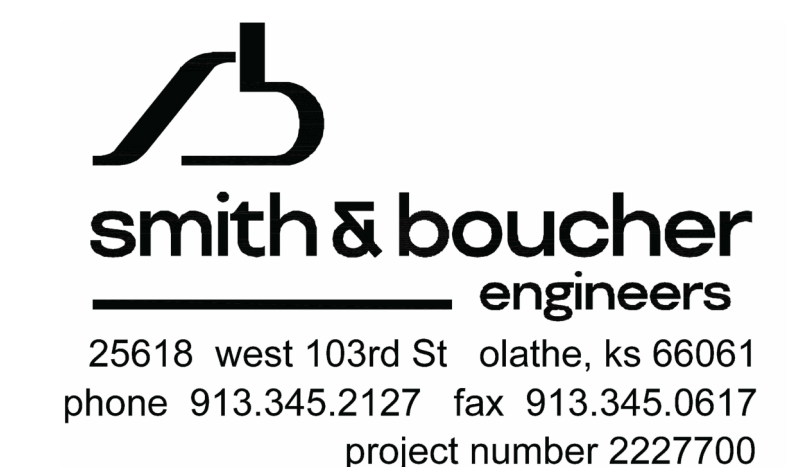


CONSTRUCT SOLDIER DINING FACILITY WAPPAELLO TRAINING SITE WAPPAELLO, MISSOURI



OWNER: STATE OF MISSOURI
MICHAEL KEHOE,
GOVERNOR

MISSOURI NATIONAL GUARD
OFFICE OF THE ADJUTANT GENERAL
FACILITIES MANAGEMENT OFFICE

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

DESIGNER: Architect
Dille Pollard, LLC

PROJECT NUMBER: T2232-01

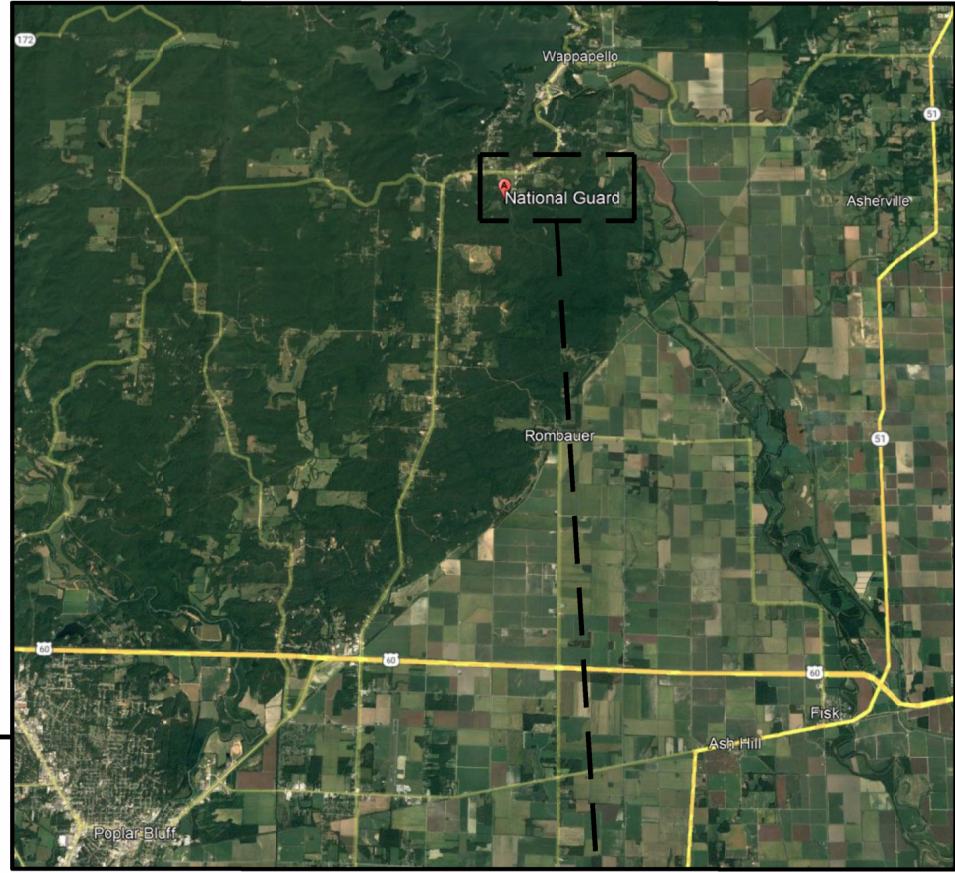
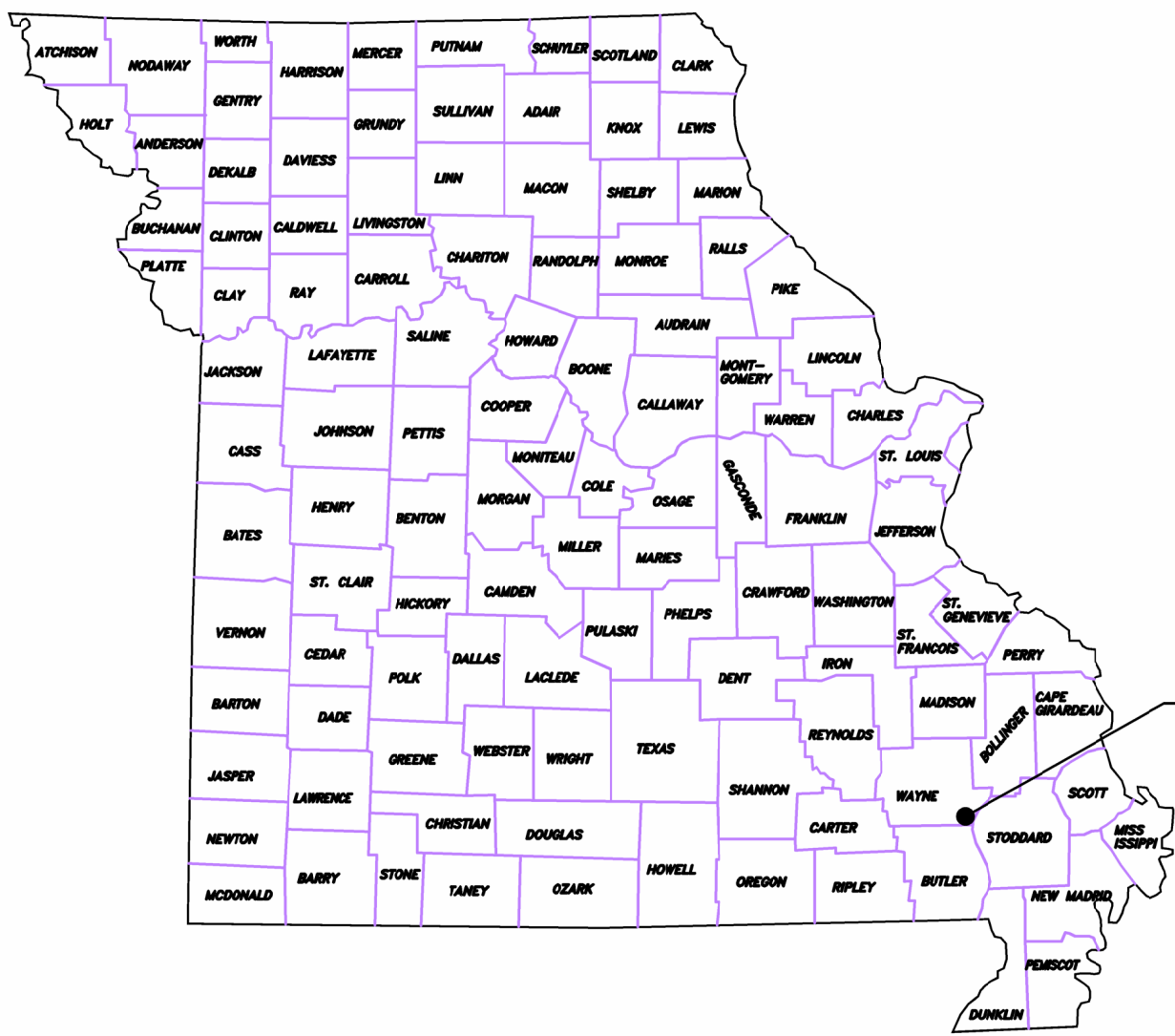
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ASSET NUMBER: 8136325016

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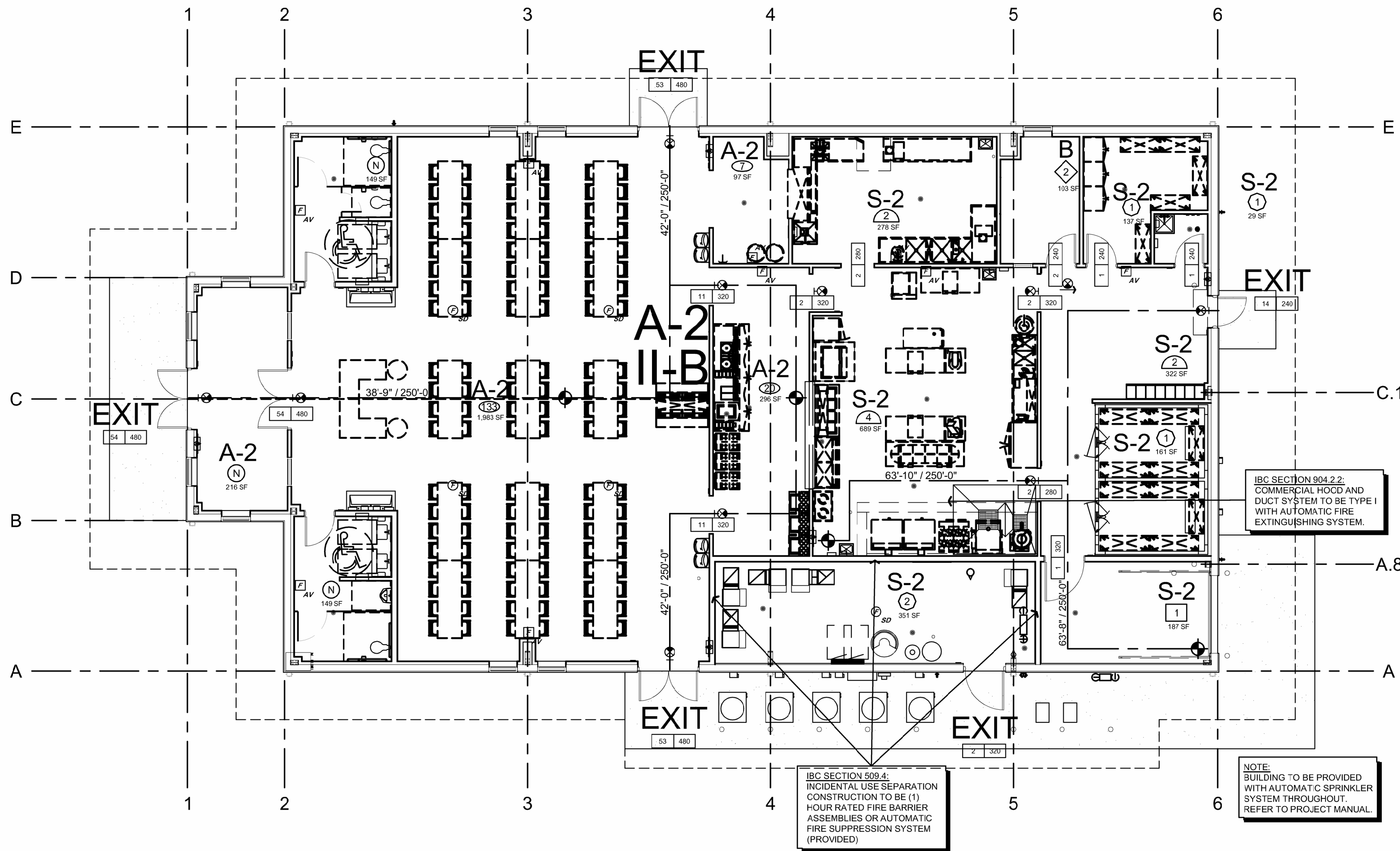
G-001

1 OF 41 SHEETS
JULY 10, 2026



1 LOCATION MAP

NTS



2 CODE ANALYSIS

NTS

SYMBOL LEGEND

	DOOR TAG - DOOR#
	ROOM TAG
	BUILDING SECTION - DETAIL# / SHEET#
	WALL SECTION - DETAIL#-SHEET#
	INTERIOR ELEVATION - DETAIL# / SHEET#
	ENLARGED DETAIL - DETAIL# / SHEET#
	ELEVATION TARGET
	PARTITION TYPE
	KEY NOTE
	EXISTING/NEW CONSTRUCTION
	PARTITION TO BE DEMOLISHED

ABBREVIATIONS

A.D.A.	AMERICAN DISABILITIES ASSOCIATION
B.L.D.G.	BUILDING
C.J.	CONTROL JOINT
C.L.G.	CEILING
C.M.U.	CONCRETE MASONRY UNIT
CONC.	CONCRETE
CONT.	CONTINUOUS
DR.	DOOR
E.W.C.	ELECTRIC WATER COOLER
E.I.F.S.	EXTERIOR INSULATION AND FINISH SYSTEM
E.J.	EXPANSION JOINT
EA.	EACH
EXT.	EXTERIOR
FIN.	FINISH
FLR.	FLOOR
G.B.	GRAB BAR
GYP.	GYPSON
H.M.	HOLLOW METAL
HT.	HEIGHT
INT.	INTERIOR
INSUL.	INSULATION
LVL.	LEVEL
MANF.	MANUFACTURER
M.B.C.	METAL BUILDING CONTRACTOR
MIN.	MINIMUM OR MINUTE
MTL.	METAL
O.C.	ON CENTER
PART.	PARTITION
PR.	PAIR
PRE-FIN.	PRE-FINISHED
REQ'D	REQUIRED
SCH.	SCHEDULE
S.S.	STAINLESS STEEL
STL.	STEEL
SPEC.	SPECIFICATIONS
STRUCT.	STRUCTURAL
TLT.	TOILET
W.	WIDTH
W/	WITH
U.L.	UNDERWRITERS LABORATORIES
WINDW.	WINDOW
V.C.T.	VINYL COMPOSITION TILE

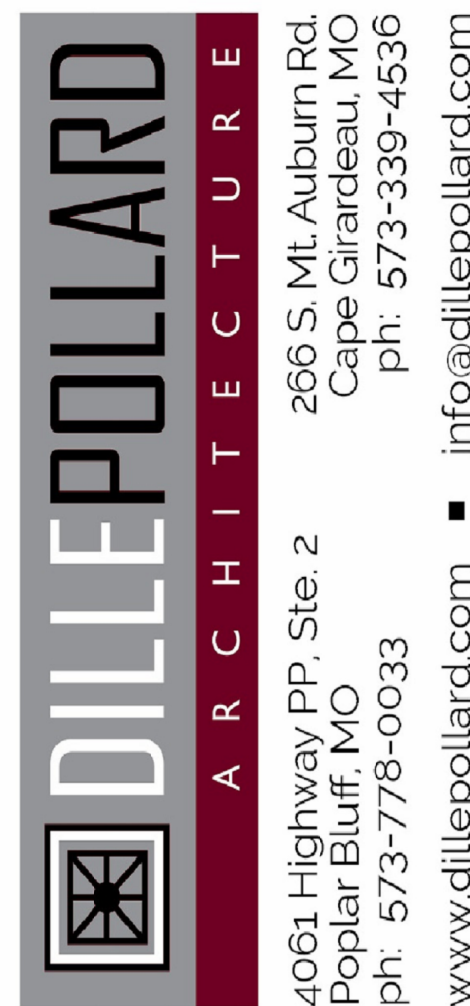
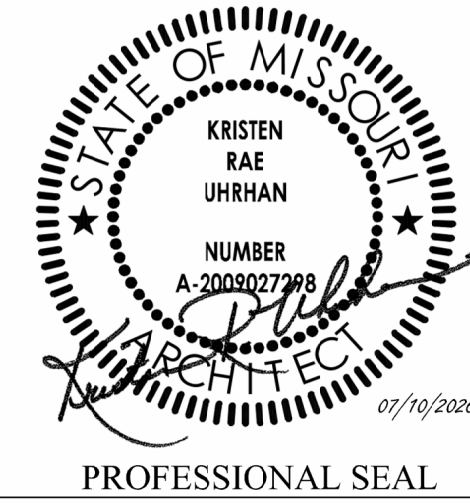
DRAWING INDEX

G-001	TITLE SHEET
G-002	DRAWING INDEX, SITE LOCATION PLANS, LEGENDS, ABBREVIATIONS AND CODE ANALYSIS
C1.0	LEGEND / NOTES
C2.0	EXISTING SITE CONDITIONS / DEMO PLAN
C3.0	PROPOSED SITE PLAN
C4.0	PROPOSED GRADING PLAN
C5.0	CONSTRUCTION DETAILS
C6.0	CONSTRUCTION DETAILS
A-101	DIMENSION PLAN, NOTATED FLOOR PLAN, AND PARTITION SCHEDULE
A-102	ROOF PLAN, SYMBOL LEGEND, AND DETAILS
A-201	EXTERIOR ELEVATIONS AND DETAIL
A-301	BUILDING SECTIONS AND DETAIL
A-401	WALL SECTIONS AND DETAILS
A-402	WALL SECTIONS AND WINDOW DETAILS
A-403	WALL SECTIONS AND EXTERIOR DOOR DETAILS
A-404	ENLARGED PLANS, INTERIOR ELEVATIONS AND SCHEDULE
A-501	DETAILS
A-601	DOOR AND WINDOW SCHEDULES AND DETAILS
A-701	REFLECTED CEILING PLAN AND DETAILS
I-101	INTERIOR FINISH PLAN AND DETAILS
S-001	GENERAL NOTES
S-002	SPECIAL INSPECTION TABLES
S-101	FOUNDATION PLAN
S-301	FOUNDATION SECTIONS
S-302	FOUNDATION SECTIONS
S-501	TYPICAL DETAILS
K-101	FOOD SERVICE PLAN
K-201	UTILITY REQUIREMENT PLAN AND DETAILS
K-301	KITCHEN EQUIPMENT SCHEDULE
K-401	KITCHEN EQUIPMENT SCHEDULE
MEP-101	MECHANICAL AND ELECTRICAL SITE PLAN
ME-101	MECHANICAL AND ELECTRICAL ROOF PLAN
M-101	HVAC PLAN
P-101	UNDERSLAB PLUMBING PLAN
P-102	PLUMBING PLAN
P-201	ENLARGED PLUMBING PLAN AND DETAILS
P-202	PLUMBING RISER DIAGRAMS
E-101	LIGHTING PLAN
E-102	POWER PLAN
E-103	FIRE ALARM PLAN
E-104	ELECTRICAL SCHEDULES AND DETAILS

GENERAL NOTES:

- THE CONTRACTOR WILL REPORT EXISTING DAMAGE TO DRIVE AND PAVED AREAS THAT ARE TO REMAIN PRIOR TO THE WORK AND REPAIR OR REPLACE MATERIALS THAT ARE DAMAGED BY THE RENOVATION WORK.
- PROTECT & KEEP CLEAR ALL BUILDING ACCESSSES.
- ALL EXISTING SERVICES & UTILITIES SHALL BE MAINTAINED TO ADJACENT AREAS THAT ARE IN OPERATION & SERVED BY THESE UTILITIES & SERVICES. COORDINATE ALL DISRUPTIONS OR DISCONTINUATION OF UTILITIES & SERVICES WITH THE OWNER'S REPRESENTATIVE AT THE FACILITY. PROVIDE TEMPORARY DUST BARRIERS IN ALL AREAS OF WORK. COORDINATE EXACT LOCATIONS WITH OWNER.
- EXISTING ITEMS, STRUCTURE, EQUIPMENT, ETC. TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT & DAMAGE DURING CONSTRUCTION.

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY
MISSOURI ARMY
NATIONAL GUARD

CONSTRUCT NEW
SOLDIER DINING FACILITY

WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT # T2232-01
SITE # 6325
ASSET # 8136325016

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: JULY 10, 2026

CAD DWG FILE: G-002.DWG
DRAWN BY: BB
CHECKED BY: KU
DESIGNED BY: KU

SHEET TITLE:
DRAWING INDEX,
SITE LOCATION PLANS,
LEGENDS, ABBREVIATIONS
AND CODE ANALYSIS

SHEET NUMBER:

G-002

2 OF 41 SHEETS

LEGEND:

EXISTING	PROPOSED
UNDERGROUND UTILITY LINES:	WATER
WATER.....	2" WATER LINE.....
SANITARY SEWER.....	4" WATER LINE.....
FORCE MAIN.....	6" WATER LINE.....
STORM SEWER.....	8" WATER LINE.....
TELEPHONE.....	10" WATER LINE.....
GAS.....	12" WATER LINE.....
ELECTRIC.....	FIRE HYDRANT.....
CABLE.....	FLUSH HYDRANT.....
FUEL LINE.....	FLUSH HYDRANT.....
FIBER OPTIC.....	FLUSH HYDRANT.....
OVERHEAD UTILITY LINES:	VALVE WATER.....
TELEPHONE.....	WV
ELECTRIC.....	WV
CABLE.....	WV
POWER POLE.....	WV
POWER POLE.....	WV
W/TRANSFORMERS NO.....	WV
CABLE POLE.....	WV
TELEPHONE POLE.....	WV
LIGHT POLE.....	WV
GUY WIRE ANCHOR.....	WV
ELECTRICAL RISER.....	WV
TELEPHONE PEDESTAL.....	WV
MANHOLE.....	WV
CLEAN OUT.....	WV
FIRE HYDRANT.....	WV
FLUSH HYDRANT.....	WV
VALVE WATER/GAS.....	WV
METER WATER/GAS/ELECTRIC ETC.....	WV
DROP INLET FOR STORM WATER.....	WV
DOWN SPOUT.....	WV
SIGN.....	WV
RIGHT-OF-WAY MARKER.....	WV
TREE.....	WV
TREE LINE.....	WV
CONTROL POINT.....	WV
CONTOURS	WV
INTERMEDIATE.....	WV
INDEX.....	WV
FENCE.....	WV
CHAIN LINK.....	WV
WOOD.....	WV
BARBED WIRE.....	WV
RIGHT-OF-WAY LINE.....	WV
PROPERTY LINE.....	WV
GUARD RAIL.....	WV
PIPE/CULVERT.....	WV
DITCH FLOW LINE DIRECTION.....	WV
BUILDING.....	WV

NOTE:
ALL ITEMS IN THE GENERAL LEGEND
MAY OR MAY NOT BE USED IN THIS PLAN SET.

GENERAL NOTES:

- 1.) ALL GRADED AREAS SHALL BE PROTECTED FROM EROSION BY EROSION CONTROL DEVICES AND/OR SEEDING AND MULCHING. EROSION CONTROL SHALL NOT BE LIMITED TO WHAT IS SHOWN ON THE PLAN. WHATEVER MEANS NECESSARY SHALL BE TAKEN TO PREVENT SILTATION AND EROSION FROM WHAT ENTERING NATURAL STREAMS AND ADJACENT ROADWAYS, PROPERTIES, AND DITCHES.
- 2.) PROPOSED CONTOURS SHOWN ARE FINISHED ELEVATIONS ON PAVED AREAS. CONTRACTOR TO GRADE ALL AREAS TO REQUIRED SUBGRADE.
- 3.) ALL FILL PLACED FOR PROPOSED STORM AND SANITARY SEWER LINES AND/OR PAVED AREAS, AND FOR DRAINAGE BERMS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. A TEST SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS.
- 4.) THE GENERAL CONTRACTOR SHALL FLAG ALL SANITARY AND STORM SEWER STRUCTURES WITH A 2X4 PAINTED ORANGE AND MARKED TO READ "STORM SEWER STRUCTURE OR SANITARY SEWER STRUCTURE DO NOT BURY".
- 5.) SAFETY NOTICE TO CONTRACTOR: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS.
- 6.) CONTRACTOR IS TO REMOVE AND DISPOSE OF, OFF SITE, ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS.
- 7.) THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO ADJACENT PROPERTIES DURING ALL PHASES OF THIS DEMOLITION PLAN.
- 8.) THE CONTRACTOR SHALL RESTORE OFFSITE CONSTRUCTION AREAS TO AN EQUAL OR BETTER CONDITION THAN EXISTED PRIOR TO THE COMMENCEMENT OF WORK.
- 9.) ALL EXCAVATIONS, GRADING, OR FILLING SHALL HAVE A FINISHED GRADE NOT TO EXCEED A 3:1 SLOPE (33 PERCENT). STEEPER GRADES MAY BE APPROVED BY THE DESIGNATED OFFICIAL IF THE EXCAVATION IS THROUGH ROCK OR THE EXCAVATION OR THE FILL IS ADEQUATELY PROTECTED (A DESIGNED HEAD WALL OR TOE WALL MAY BE REQUIRED). RETAINING WALLS THAT EXCEED A HEIGHT OF FOUR (4) FEET SHALL REQUIRE THE CONSTRUCTION OF SAFETY GUARDS AS IDENTIFIED IN THE APPROPRIATE SECTION(S) OF THE ADOPTED IBC CODES AND MUST BE APPROVED BY THE CITY BUILDING DEPARTMENT. PERMANENT SAFETY GUARDS WILL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROPRIATE SECTION(S) OF THE ADOPTED IBC CODES.
- 10.) PROVISIONS SHALL BE MADE TO ACCOMMODATE THE INCREASED RUNOFF CAUSED BY CHANGED SOIL AND SURFACE CONDITIONS DURING THE AFTER GRADING. UN-VEGETATED OPEN CHANNELS SHALL BE DESIGNED SO THAT GRADIENTS RESULT IN VELOCITIES OF 2 FPS (FEET PER SECOND) OR LESS. OPEN CHANNELS WITH VELOCITIES MORE THAN 2 FPS AND LESS THAN 5 FPS SHALL BE ESTABLISHED IN PERMANENT VEGETATION BY USE OF COMMERCIAL EROSION CONTROL BLANKETS OR LINED WITH ROCK RIP RAP OR CONCRETE OR OTHER SUITABLE MATERIALS AS APPROVED BY THE DESIGNATED OFFICIAL. DETENTION BASINS, DIVERSIONS, OR OTHER APPROPRIATE STRUCTURES SHALL BE CONSTRUCTED TO PREVENT VELOCITIES ABOVE 5 FPS.
- 11.) ALL FILLED PLACES IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP TO 90% MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. A SOILS ENGINEER SHALL VERIFY ALL TESTS CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS. A SEALED COPY OF THE RESULT REPORTS SHALL BE GIVEN TO THE ENGINEER FOR REVIEW AND APPROVAL.
- 12.) WHERE NATURAL VEGETATION IS REMOVED DURING GRADING, VEGETATION SHALL BE REESTABLISHED IN SUCH A DENSITY AS TO PREVENT EROSION. PERMANENT SOD SHALL BE ESTABLISHED AS SOON AS POSSIBLE.
- 13.) ALL CONSTRUCTION METHODS AND PRACTICES TO CONFORM WITH OSHA STANDARDS.

EXISTING UTILITIES NOTE:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ARE BASED ON VISIBLE ABOVE-GROUND OBJECTS AND MARKINGS, PREVIOUS RECORD DRAWINGS AND SURVEYS PROVIDED TO SMITH&CO. BY OTHERS, AND PAINT OR OTHER MARKINGS MADE BY UTILITY COMPANIES AND/OR UTILITY LOCATOR SERVICES PRIOR TO THE FIELD SURVEY. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED OBJECTS. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES/CONDUITS MAY VARY FROM THE LOCATIONS SHOWN HEREUPON. ADDITIONAL BURIED UTILITIES THAT DO NOT HAVE SURFACE MARKERS MAY BE ENCOUNTERED DURING EXCAVATION.
2. SMITH&CO. IS NOT A UTILITY LOCATOR SERVICE. SMITH&CO. IS NOT RESPONSIBLE OR LIABLE FOR DAMAGES RESULTING FROM UNMARKED OR INACCURATELY MARKED UNDERGROUND UTILITIES OR STRUCTURES.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR AND PROVIDE ALL NECESSARY LOCATES FOR PRIVATE UTILITIES.



ESTIMATED EARTHWORK QUANTITIES:

VOLUME CUT = 187 C.Y.
VOLUME FILL = 981 C.Y.

- NOTE:
1. EARTHWORK QUANTITIES ARE FOR PROVIDED FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL PERFORM HIS OR HER OWN CALCULATION OF QUANTITIES FOR BIDDING PURPOSES.
 2. QUANTITIES TO FINISHED GRADE. CONTRACTOR TO ADJUST QUANTITIES AS REQUIRED FOR PAVEMENT, SIDEWALKS, BUILDING SLABS, AND UTILITY SPOILS.

STORM SEWER NOTES

- 1.) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATIONS AND SIZES OF ALL EXISTING UTILITIES, WHETHER SHOWN OR NOT SHOWN ON THIS PLAN, PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER HAS NOT FIELD VERIFIED THE EXISTING UTILITIES. THE UTILITIES SHOWN ON THIS PLAN HAVE BEEN TAKEN FROM RECORDS AND UTILITY MAPS MADE AVAILABLE TO THE ENGINEER AND THE LOCATIONS AND SIZES SHALL BE CONSIDERED APPROXIMATE ONLY. OTHER UTILITIES, NOT SHOWN ON THIS PLAN, MAY EXIST ON OR NEAR THE SITE.
- 2.) ALL FILL PLACED UNDER PROPOSED STORM AND SANITARY SEWER LINES AND/OR PAVED AREAS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS PER GEOTECHNICAL REPORT.
- 3.) ALL FILLED PLACES IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL 90% MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION UP TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS PER GEOTECHNICAL REPORT.
- 4.) ALL TRENCHES IN AREAS TO BE PAVED AND UNDER EXISTING PAVEMENT OR WITHIN PUBLIC R.O.W. SHALL BE GRANULARLY BACKFILLED WITH 3/4-INCH MINUS CRUSHED LIMESTONE.
- 5.) THE SOILS ENGINEER WILL VERIFY THAT ALL COMPRESSIBLE MATERIAL HAS BEEN REMOVED PRIOR TO FILL PLACEMENT AND THAT ALL FILL UNDER STORM AND SANITARY SEWER LINES CONSTRUCTED ABOVE ORIGINAL GRADE, HAS BEEN COMPACTED TO 90% OF "MODIFIED PROCTOR". FILL IS TO BE PLACED IN A MAXIMUM 4' LIFT. TESTS SHALL BE TAKEN AT A MAXIMUM OF 50' INTERVALS ALONG THE ROUTE OF THE PIPE, AT A MAXIMUM OF 2' VERTICAL, AND LATERALLY ON EACH SIDE OF THE PIPE, AT A DISTANCE EQUAL TO THE DEPTH OF FILL OVER THE PIPE.
- 6.) REINFORCED CONCRETE MANHOLE AND INLETS SHALL BE PRECAST AND SHALL CONFORM TO ASTM-C478 AND UTILIZED TYPE II PORTLAND CEMENT (4,000 P.S.I.). STEPS SHALL BE PLACED IN ALL MANHOLES AND INLETS OVER 5 FEET DEEP. PIPE CONNECTIONS SHALL BE FULLY GROUTED OR UTILIZE RUBBER GASKETS.
- 7.) HDPE PIPE SHALL CONFORM TO AASHTO M294 TYPE 5 AND SHALL HAVE ASTM D1056 TYPE 2 CLASS A GRADE 2 JOINTS. PIPE SHALL BE BACKFILLED WITH AGGREGATE BASE PER MANUFACTURER'S RECOMMENDATIONS.
- 8.) CMP SHALL CONFORM TO ASTM A760/A760M ALUMINIZED STEEL TYPE 2 AND SHALL BE CONTECH ULTRA FLOW OR APPROVED EQUAL. ALL JOINTS SHALL BE WATERTIGHT WITH CLOSED CELL EXPANDED RUBBER GASKETS PER ASTM D1056 OR ASPHALT/TAR MASTIC PER ASTM A849.

WATER NOTES

- 1.) ALL MAINS AND FIRE HYDRANTS SHALL BE INSTALLED AND PER LOCAL UTILITY PROVIDER REQUIREMENTS.
- 2.) ALL SERVICE LINE CONSTRUCTION METHODS TO CONFORM TO LATEST STANDARDS AND SPECIFICATIONS OF THE UTILITY PROVIDER.
- 3.) ALL TRENCHES UNDER AREAS TO BE PAVED SHALL BE GRANULARLY FILLED WITH 3/4" MINUS CRUSHED LIMESTONE. BACKFILL SHALL BE PLACED IN ACCORDANCE WITH MDOOT SPECIFICATIONS.
- 4.) ALL BACKFILL MATERIAL SHALL BE MECHANICALLY COMPACTED TO AT LEAST 90 PERCENT OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY.
- 5.) ALL PVC PIPE IS TO BE C900 OR EQUAL, CONFORMING TO APPLICABLE AWWA STANDARDS.
- 6.) ALL DUCTILE IRON PIPE SHALL BE CLASS 52, CONFORMING TO APPLICABLE AWWA STANDARDS.
- 7.) EXISTING WATER SERVICE SHALL NOT BE INTERRUPTED.
- 8.) COORDINATE WITH UTILITY PROVIDED FOR ALL TAPS OFF EXISTING WATER MAINS.

SEWER NOTES

- 1.) ALL MANHOLES SHALL BE 42" DIA. PRE-CAST CONCRETE PER ASTM C-478.
- 2.) ALL LATERAL SEWER CONSTRUCTION METHODS TO CONFORM TO LATEST STANDARDS AND SPECIFICATIONS OF THE UTILITY PROVIDER.
- 3.) ALL TRENCHES UNDER AREAS TO BE PAVED SHALL BE GRANULARLY FILLED WITH 3/4" MINUS CRUSHED LIMESTONE. BACKFILL SHALL BE PLACED IN ACCORDANCE WITH MDOOT SPECIFICATIONS.
- 4.) CONTRACTOR TO START LAYING PIPE AT DOWNSTREAM MANHOLE AND WORK UPSTREAM.
- 5.) CLEANOUTS SHALL BE LOCATED AT ALL HORIZONTAL AND VERTICAL CHANGES IN DIRECTION OF FLOW OF BUILDING LATERALS AND ANY SANITARY LATERAL OF 100 FEET OR LONGER.
- 6.) JETTING IS NOT AN ACCEPTABLE METHOD OF ACHIEVING BACKFILL COMPACTION. ALL BACKFILL MATERIAL SHALL BE MECHANICALLY COMPACTED TO AT LEAST 90 PERCENT OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY.
- 7.) GAS, WATER, AND OTHER UNDERGROUND UTILITIES SHALL NOT CONFLICT WITH THE DEPTH OF HORIZONTAL LOCATION OF EXISTING OR PROPOSED SANITARY AND STORM SEWERS.
- 8.) THE CONTRACTOR SHALL PREVENT ALL STORM, SURFACE WATER, MUD AND CONSTRUCTION DEBRIS FROM ENTERING THE EXISTING SANITARY SEWER SYSTEMS.
- 9.) ALL SANITARY SEWER MANHOLES SHALL BE WATERPROOFED ON THE EXTERIOR.
- 10.) ALL PVC SANITARY SEWER PIPE IS TO BE SDR-35 OR EQUAL WITH "CLEAN" 1/2 INCH TO 1 INCH GRANULAR STONE BEDDING UNIFORMLY GRADED. THIS BEDDING SHALL EXTEND FROM 4 INCHES BELOW THE PIPE TO SPRINGLINE OF PIPE. IMMEDIATE BACKFILL OVER PIPE SHALL CONSIST OF SAME SIZE "CLEAN" OR "MINUS" STONE FROM SPRINGLINE OF PIPE TO 6 INCHES ABOVE THE TOP OF PIPE.
- 11.) EXISTING SANITARY SEWER SERVICE SHALL NOT BE INTERRUPTED.

UTILITIES:

TELEPHONE
AT&T
TELEPHONE: 855-293-7676

ELECTRIC
OZARK BORDER ELECTRIC
TELEPHONE: 800-392-0567

WATER
WAPPAPPELLO WATER DISTRICT 4
CO. RD. 521
WAPPAPPELLO, MISSOURI 63966
TELEPHONE: 573-222-7322

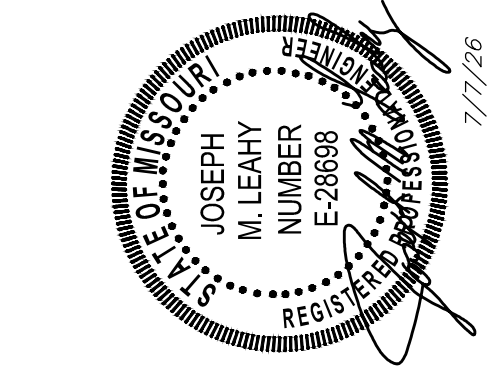
CABLE
BOYCOM CABLEVISION
TELEPHONE: 800-890-6620

SWPPP NOTES

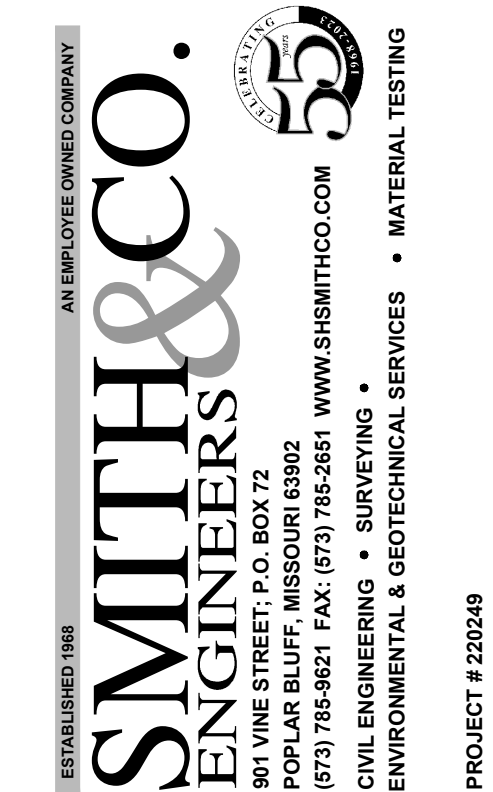
SITE OWNER: DEPARTMENT OF PUBLIC SAFETY NATIONAL GUARD
SITE ADDRESS: 461 COUNTY ROAD 517, WAPPAPPELLO, MISSOURI 63966

1. REFER TO IMPROVEMENT PLANS FOR PERTINENT TOPOGRAPHICAL AND SITE PLAN INFORMATION.
2. RUNOFF COEFFICIENTS: UNDEVELOPED = 0.4
DEVELOPED = 0.7
3. TOTAL LAND ESTIMATED TO BE DISTURBED = APPROXIMATELY .80 ACRES
4. REFER TO EROSION CONTROL PLAN FOR LOCATION OF ACCESS TO CONSTRUCTION SITE.
5. DESCRIPTION OF B.M.P.'S TO CONTROL EROSION AND SEDIMENTATION (INTERIM AND PERMANENT STABILIZATION PRACTICES)
 - A. CONTRACTOR SHALL ESTABLISH PERIMETER SILTATION CONTROL PRIOR TO ANY CONSTRUCTION ACTIVITIES. AREAS REQUIRING MINOR CLEARING &/OR GRADING PRIOR TO INSTALLATION OF SILTATION CONTROL SHALL BE COMPLETED IN A TIMELY MANNER AND SILTATION CONTROL ESTABLISHED IMMEDIATELY FOLLOWING.
 - B. TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED WHERE THE ACCESS AREAS INTERSECT WITH PUBLIC ACCESS WAYS. DURING MUDDY CONDITIONS, DRIVERS OF VEHICLES WILL BE REQUIRED TO WASH THEIR WHEELS BEFORE ENTERING THE ROADWAY. WHERE SEDIMENT IS TRANSPORTED ONTO PUBLIC ACCESS WAYS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROAD BY SHOVELING OR SWEEPING. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.
 - C. UPON COMMENCEMENT OF INITIAL CLEARING AND GRUBBING OPERATIONS, AS WELL AS FUTURE GRADING OPERATIONS, TOPSOIL MUST BE STRIPPED FROM GRADED AREAS AND STOCKPILED FOR IN FINAL GRADING AND / OR EXCESS REMOVAL. THE STOCKPILES WILL BE KEPT ON SITE BUT MUST STAY CLEAR OF ALL CONSTRUCTION ACTIVITY. THE STOCKPILE MUST BE STABILIZED WITH TEMPORARY VEGETATION, OR COVERED AT THE END OF EACH WORKDAY, OR PERIMETER CONTROLS MUST BE IN PLACE TO PREVENT SOIL LOSS AND SEDIMENT TRANSPORT FROM THE STOCKPILE ITSELF UNTIL NEEDED.
 - D. TEMPORARY ROADS SHALL FOLLOW THE CONTOUR OF THE NATURAL TERRAIN TO THE EXTENT POSSIBLE. SLOPES SHALL NOT EXCEED 10 PERCENT SLOPE.
 - E. CONTRACTOR SHALL CLEAR AND GRUB THOSE AREAS OF THE SITE SCHEDULED FOR CONSTRUCTION. AREAS NOT SCHEDULED FOR IMMEDIATE CONSTRUCTION SHALL NOT BE CLEARED OF ESTABLISHED VEGETATION UNTIL REQUIRED. REMAINDER OF SITE SHALL BE GRADED, AS REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF SILTATION CONTROL THROUGHOUT THE DURATION OF THE PROJECT.
 - F. STORM DRAINS SHALL BE INSTALLED AS EARLY AS POSSIBLE, PROVIDED THE INSTALLATION DOES NOT CONFLICT WITH OTHER CONSTRUCTION ACTIVITIES. INLET PROTECTION SHALL BE PLACED AROUND EACH INLET, IMMEDIATELY, UPON COMPLETION OF CONSTRUCTION OF EACH INLET. INLETS MAY BE UTILIZED FOR STORM WATER CONTROL DURING CONSTRUCTION, WITH THE SILT FENCE AND EROSION CONTROL MEASURES IN PLACE.
 - G. IF SEEDING OR ANOTHER VEGETATIVE EROSION CONTROL METHOD IS USED, IT SHALL BECOME ESTABLISHED WITHIN TWO WEEKS OR THE SITE SHALL BE RE-SEED OR A NON-VEGETATIVE OPTION EMPLOYED.
 - H. TECHNIQUES SHALL BE EMPLOYED TO ENSURE STABILIZATION ON STEEP SLOPES AND IN DRAINAGE WAYS.
 - I. THE ENTIRE SITE MUST BE STABILIZED, USING HEAVY MULCH LAYER OR ANOTHER METHOD THAT DOES NOT REQUIRE GERMINATION TO CONTROL EROSION, AT THE CLOSE OF THE CONSTRUCTION SEASON.
 - J. TECHNIQUES SHALL BE EMPLOYED TO PREVENT THE BLOWING OF DUST OR SEDIMENT FROM THE SITE.
 - K. TECHNIQUES SHALL BE EMPLOYED TO DIVERT UPLAND RUNOFF PAST DISTURBED SLOPES.
 - L. ALL PROPOSED TURF AREAS, ONCE CONSTRUCTED TO FINAL GRADE SHALL BE SEEDDED/SODDED WITHIN FIVE DAYS AFTER FINAL GRADING OF THE SITE WHERE SHOWN ON THE PLAN. SHOULD WEATHER CAUSE DELAYS IN EARTHWORK OPERATIONS, ADDITIONAL SILTATION CONTROL MEASURES MAY BE REQUIRED.
 - M. ANY DISTURBED AREAS WHICH WILL REMAIN UNWORKED FOR FIVE DAYS OR MORE SHALL BE STABILIZED WITH SEEDING AND MULCHING PER SPECIFICATIONS WITHIN FIVE DAYS. IF SEASONAL CONDITIONS PROHIBIT SEEDING, MULCHING OR MATING SHALL BE USED.
 - N. SETTLING BASINS, SEDIMENT TRAPS, OR TANKS AND PERIMETER CONTROLS AS REQUIRED.
 - O. SETTLING BASINS SHALL BE PROVIDED FOR EACH DRAINAGE AREA WITHIN 10 OR MORE ACRES DISTURBED AT ONE TIME AND SHALL BE SIZED TO CONTAIN 0.5 INCH OF SEDIMENT FROM THE DRAINAGE AREA AND BE ABLE TO CONTAIN A 2-YEAR, 24-HOUR STORM. IF THE PROVISION OF A BASIN OF THIS SIZE IS IMPRACTICAL, OTHER SIMILARLY EFFECTIVE BEST MANAGEMENT PRACTICES (BMP), AS EVALUATED AND SPECIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), SHALL BE UTILIZED.
 - P. WHEN REQUIRED, SETTLING BASINS SHALL BE DESIGNED IN A MANNER THAT ALLOWS ADAPTATION TO PROVIDE LONG-TERM STORM WATER MANAGEMENT, AS REQUIRED BY THE STATE, COUNTY, OR CITY HAVING ENFORCEMENT AUTHORITY AND RESPONSIBILITIES.
 - Q. SETTLING BASINS SHALL HAVE STABILIZED SPILLWAYS TO MINIMIZE THE POTENTIAL FOR EROSION OF THE SPILLWAY OR BASIN EMBANKMENT.
 - R. PROTECTION FOR ADJACENT PROPERTIES BY THE USE OF VEGETATED BUFFER STRIP IN COMBINATION WITH PERIMETER CONTROLS.
 - S. SEDIMENTATION CONTROLS SHALL ONLY BE REMOVED AFTER THE SITE IS COMPLETELY STABILIZED, VEGETATION IS WELL ESTABLISHED, AND ALL PAVEMENT AREAS ARE INSTALLED.
6. DESCRIPTION OF B.M.P.'S TO PREVENT POTENTIAL POLLUTANTS (CONSTRUCTION WASTES, TOXIC OR HAZARDOUS SUBSTANCES, PETROLEUM PRODUCTS, PESTICIDES, HERBICIDES, SITE LITTER, SANITARY WASTES, ETC.)
 - A. SOLID NON-HAZARDOUS CONSTRUCTION WASTE - DISPOSE OF IN TRASH DUMPSTERS OR APPROVED EQUIVALENT IN A LOCATION APPROVED BY THE OWNER. POTENTIALLY SOLUBLE OR LEACHABLE SOLID WASTE SHALL BE STORED OFF THE GROUND AND IN COVERED LEAK-PROOF CONTAINERS. SOLID WASTE SHALL BE STORED OFF THE GROUND AND IN COVERED LEAK-PROOF CONTAINERS. SOLID WASTE SHALL BE PROPERLY DISPOSED OF OFF-SITE ON A REGULAR BASIS.
 - B. HAZARDOUS WASTE - HAZARDOUS WASTE SHALL BE SEGREGATED FROM NON-HAZARDOUS CONSTRUCTION SITE DEBRIS. LIQUID OR SEMI-LIQUID HAZARDOUS WASTE SHALL BE STORED IN APPROPRIATE CONTAINERS (CLOSED DRUMS OR SIMILAR) AND SHALL BE KEPT UNDER COVER. GRANULAR, SOLUBLE, OR LEACHABLE HAZARDOUS WASTE MATERIALS SHALL BE STORED OFF THE GROUND AND IN COVERED LEAK-PROOF CONTAINERS. THE OWNER SHALL PROPERLY APPROVE ANY HAZARDOUS WASTE STORAGE AREA LOCATIONS.
 - C. HAZARDOUS WASTE SHALL BE PROPERLY DISPOSED OF OFF-SITE ON A REGULAR BASIS BY A REPUTABLE, LICENSED HAZARDOUS WASTE HAULER.
 - D. IT IS NOT THE INTENT OF THIS SWPPP TO SUPERSEDE OR REPLACE NORMAL SITE ASSESSMENT AND REMEDIATION PROCEDURES CONCERNING HAZARDOUS MATERIALS. SIGNIFICANT SPILLS AND/OR CONTAMINATION WARRANT AN IMMEDIATE RESPONSE BY TRAINED PROFESSIONALS. SUSPECTED JOB SITE CONTAMINATION SHOULD IMMEDIATELY BE REPORTED TO REGULATORY AUTHORITIES AND PROTECTIVE MEASURES TAKEN.
 - E. FRESH CONCRETE WASTE AND CONCRETE EQUIPMENT WASH DOWNS SHALL BE CONTAINED AND SHALL BE STORED AWAY FROM DRAINAGE DITCHES, SWALES AND DRAINAGE STRUCTURES. WHERE APPROPRIATE, CONTAINMENT BERMS SHALL BE PLACED AROUND WASTE STORAGE AREAS.
 - F. ON-SITE FUELING FACILITIES ARE REQUIRED TO ADHERE TO ALL APPLICABLE FEDERAL AND STATE REGULATIONS CONCERNING STORAGE AND DISPENSERS.
 - G. PROVISIONS SHALL BE MADE SO THAT A SUFFICIENT NUMBER OF TEMPORARY TOILET FACILITIES ARE AVAILABLE TO SERVE THE NUMBER OF WORKERS ON-SITE.
 - H. PROVISIONS SHALL BE MADE FOR LITTER CONTROL.
7. DESCRIPTION OF B.M.P.'S TO REMAIN AFTER CONSTRUCTION
 - A. STORM DRAINS AND PIPES - SHALL BE CLEARED OF ALL MUD AND DEBRIS
 - B. TURF AREAS - TURF AREAS SHALL BE MAINTAINED TO INSURE SITE AREAS REMAIN STABILIZED UPON COMPLETION OF CONSTRUCTION ACTIVITIES.
 - C. PAVED AREAS AND WALKWAYS - AREAS SUBJECT TO FOOT AND VEHICLE TRAFFIC SHALL BE PAVED AND KEPT IN GOOD REPAIR FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES.
10. CONTRACTOR TO COORDINATE WITH THE CITY AND DEVELOPER FOR OFF STREET PARKING AREA.
11. HAUL ROUTE OF EXCESS SPOILS TO BE DETERMINED BY SITE CONTRACTOR.
12. REFER TO B.M.P.'S DESCRIPTIONS AND THE SWPPP PLAN TO REFERENCE ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED FOR THIS SITE.
13. SEEDING RATES/MIXTURES SHALL BE PER CHAPTER 6 SECTION 3 OF A FIELD GUIDE TO EROSION, SEDIMENT AND STORMWATER BEST MANAGEMENT PRACTICES FOR DEVELOPMENT SITES IN MISSOURI AND KANSAS.
14. PLANNED RESPONSE TO LOSS OF CONTAINED SEDIMENT:
 - A. B.M.P.'S SHALL BE REPAIRED IMMEDIATELY, AS REQUIRED, TO STABILIZE SITE AND CONTAIN SEDIMENT LADEN RUNOFF. OFFSITE AREAS SHALL BE REVIEWED FOR EXTENT OF IMPACT FROM B.M.P. FAILURE. PERMIT HOLDER SHALL BE REQUIRED TO PROVIDE DOCUMENTATION OF THE B.M.P. MEASURES, INSTALLED AND SCHEDULED MAINTENANCE, AND REPAIRS.
15. ON-SITE GENERAL CONTRACTOR
 - A. THE GENERAL CONTRACTOR SHALL NOTIFY ALL CONTRACTORS AND OTHER ENTITIES (INCLUDING UTILITY CREWS, CITY EMPLOYEES, OR THEIR AGENTS) THAT WILL PERFORM WORK AT THE SITE, OF THE EXISTENCE OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND WHAT ACTIONS OR PRECAUTIONS SHALL BE TAKEN WHILE ON SITE TO MINIMIZE THE POTENTIAL FOR EROSION AND THE POTENTIAL FOR DAMAGING ANY BEST MANAGEMENT PRACTICES (BMP'S).
 - B. THE GENERAL CONTRACTOR HOLDER SHALL DETERMINE THE NEED FOR AND ESTABLISH TRAINING PROGRAMS TO ENSURE THAT ALL SITE WORKERS HAVE BEEN TRAINED, AT A MINIMUM, IN EROSION CONTROL, MATERIAL HANDLING AND STORAGE, AND HOUSEKEEPING.
 - C. PROVIDE COPIES OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO ALL PARTIES WHO ARE RESPONSIBLE FOR INSTALLATION, OPERATION, OR MAINTENANCE FOR ANY BEST MANAGEMENT PRACTICES (BMP'S).
 - D. MAINTAIN A CURRENT COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON THE SITE AT ALL TIMES.
16. PRIOR TO ANY MAJOR LAND DISTURBANCE ACTIVITY (OVER 1 ACRE), A LAND DISTURBANCE PERMIT FROM THE STATE OF MISSOURI DEPARTMENT OF NATURAL RESOURCES, WILL BE REQUIRED.
17. ANY LAND CLEARING, CONSTRUCTION, OR DEVELOPMENT INVOLVING THE MOVEMENT OF EARTH SHALL BE IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN.

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



JOSEPH M. LEAHY
MO# E-28698
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CONSTRUCT NEW
SOLDIER DINING FACILITY

WAPPAPPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPPELLO, MO 63966

PROJECT # T2232-01
SITE # 6325
ASSET # 8136325016

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: JULY 10, 2026

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DRAWN BY: RDS
CHECKED BY: JML
DESIGNED BY: JML

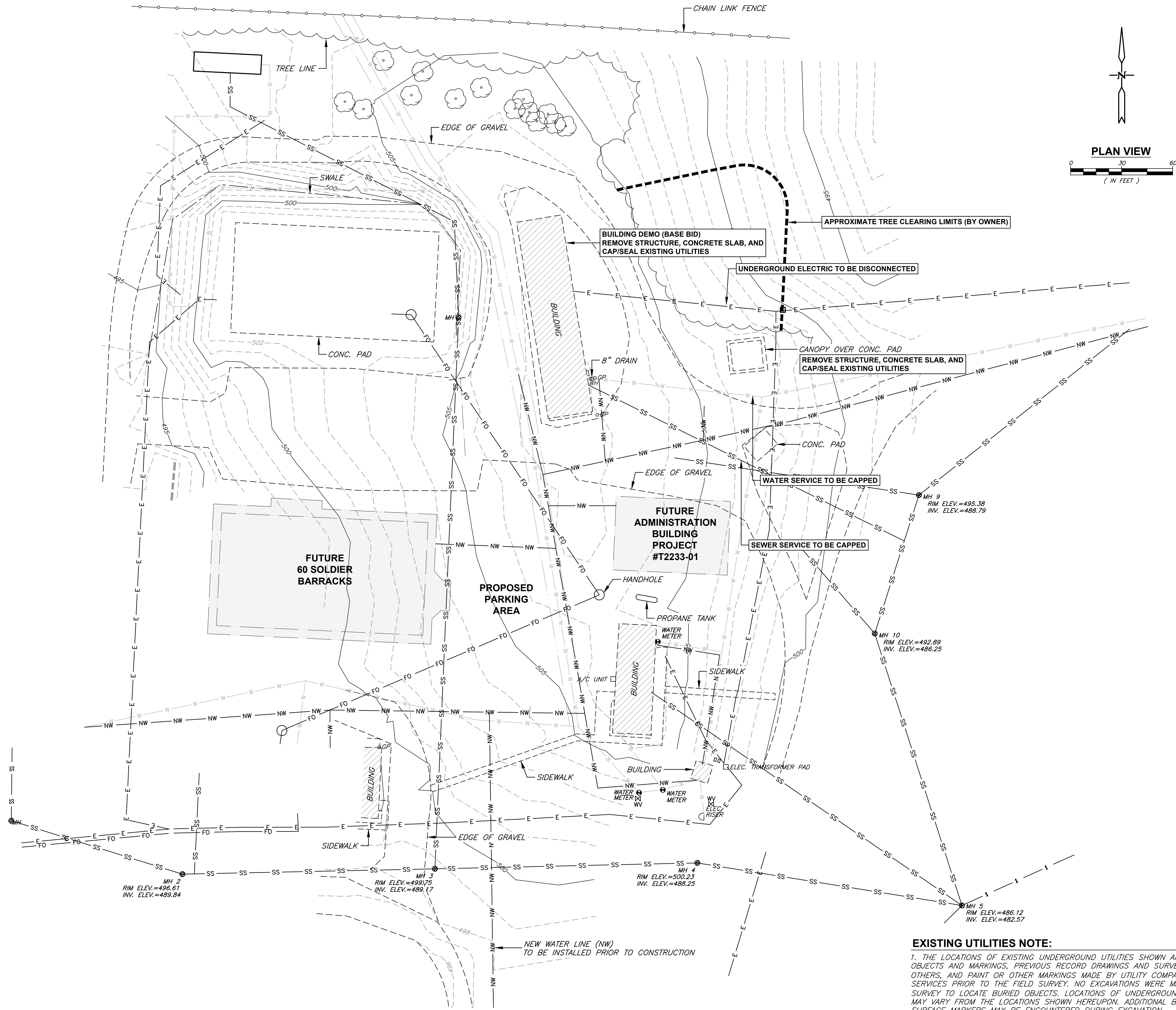
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LEGEND / NOTES

SHEET NUMBER:

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3 OF 41 SHEETS



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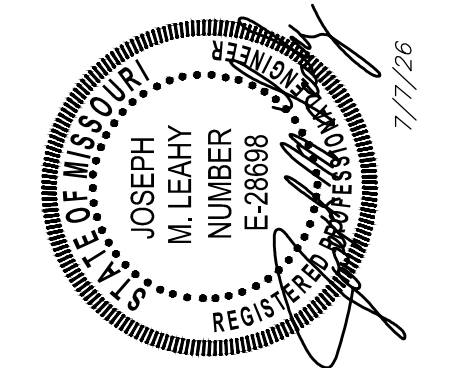
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SMITH&CO. ENGINEERS
AN EMPLOYEE-OWNED COMPANY
ESTABLISHED 1982
981 VINE STREET, P.O. BOX 72
POPLAR BLUFF, MISSOURI 63902
(673) 785-9821 FAX: (673) 785-2851 WWW.SMITHCO.COM
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PROJECT # 220249

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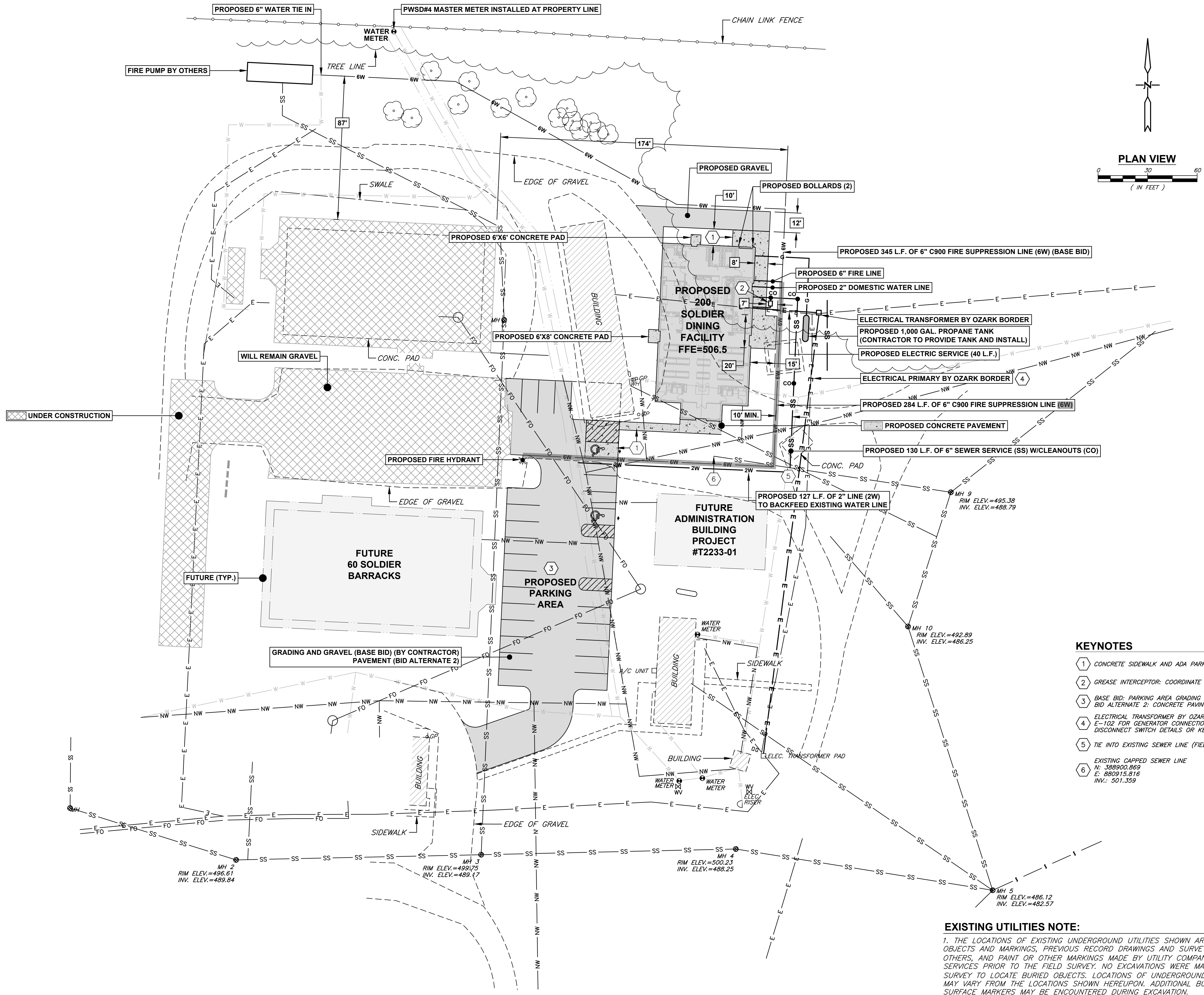
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ISSUE DATE:	JULY 10, 2026

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EXISTING SITE CONDITIONS
/ DEMO PLAN

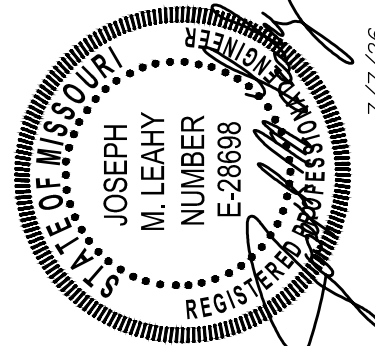
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4 OF 41 SHEETS



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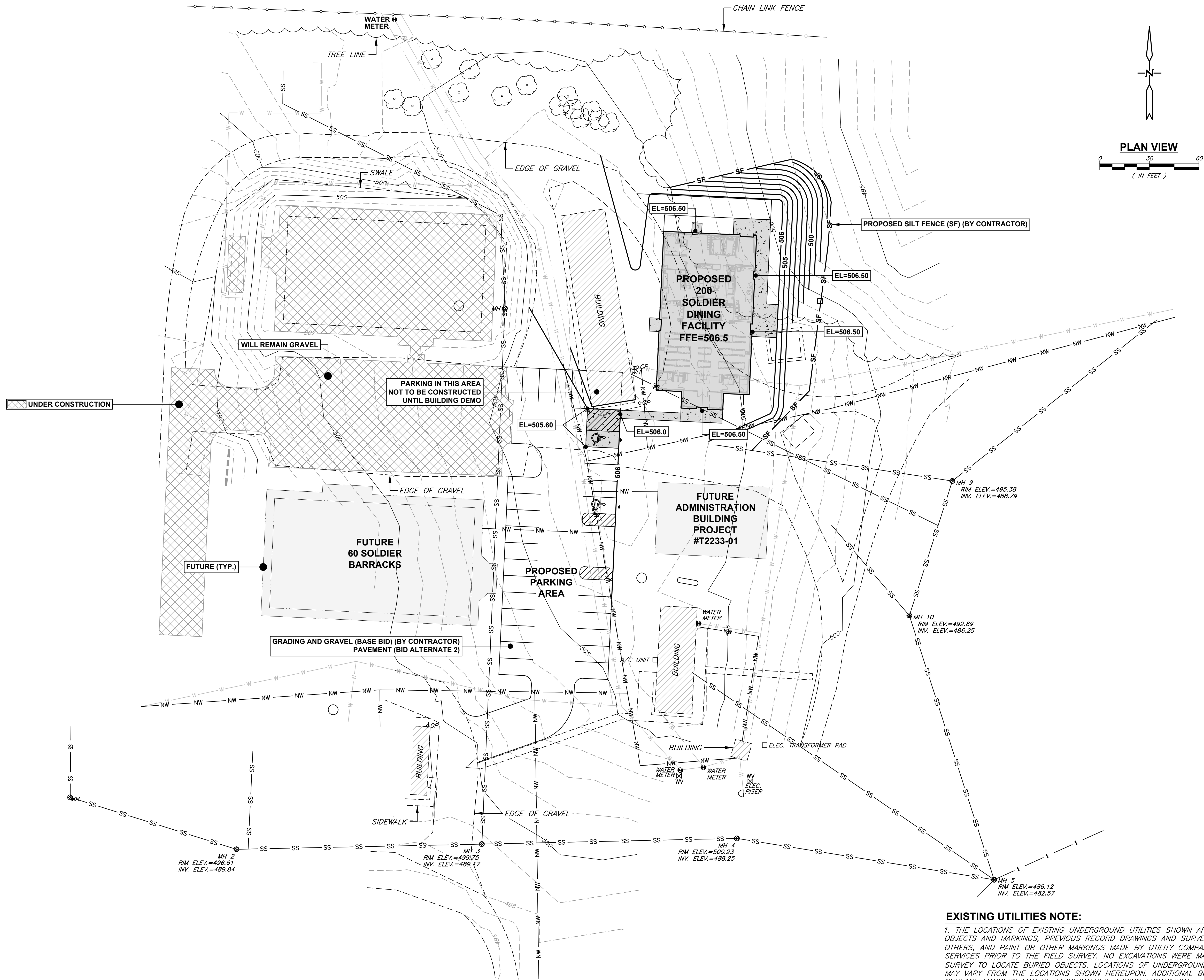
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SHEET NUMBER:

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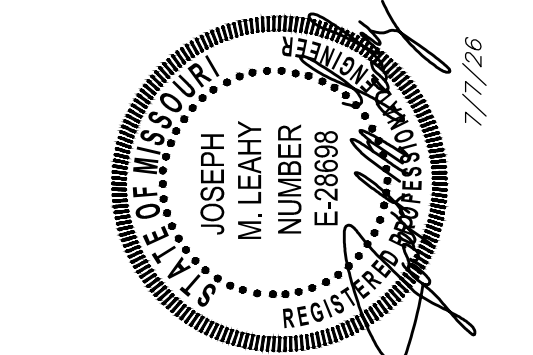
5 OF 41 SHEETS



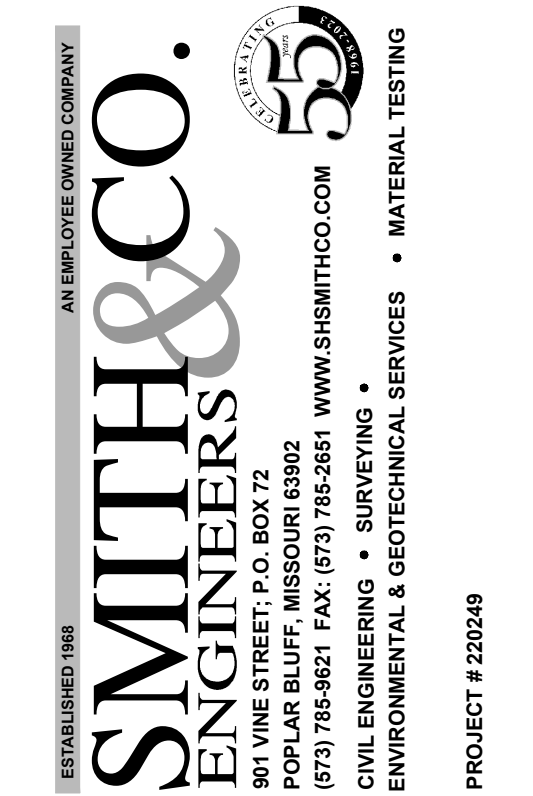
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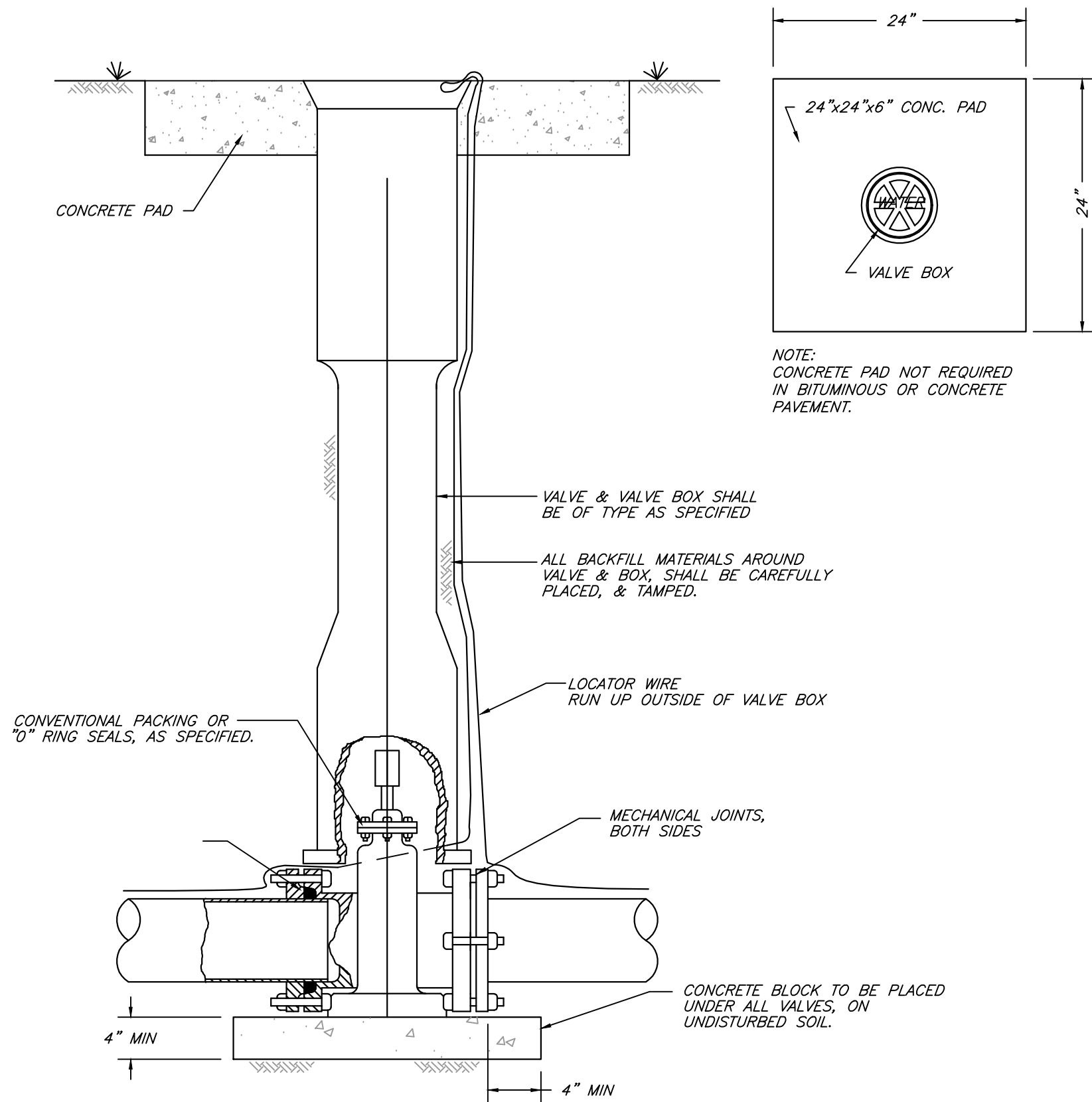
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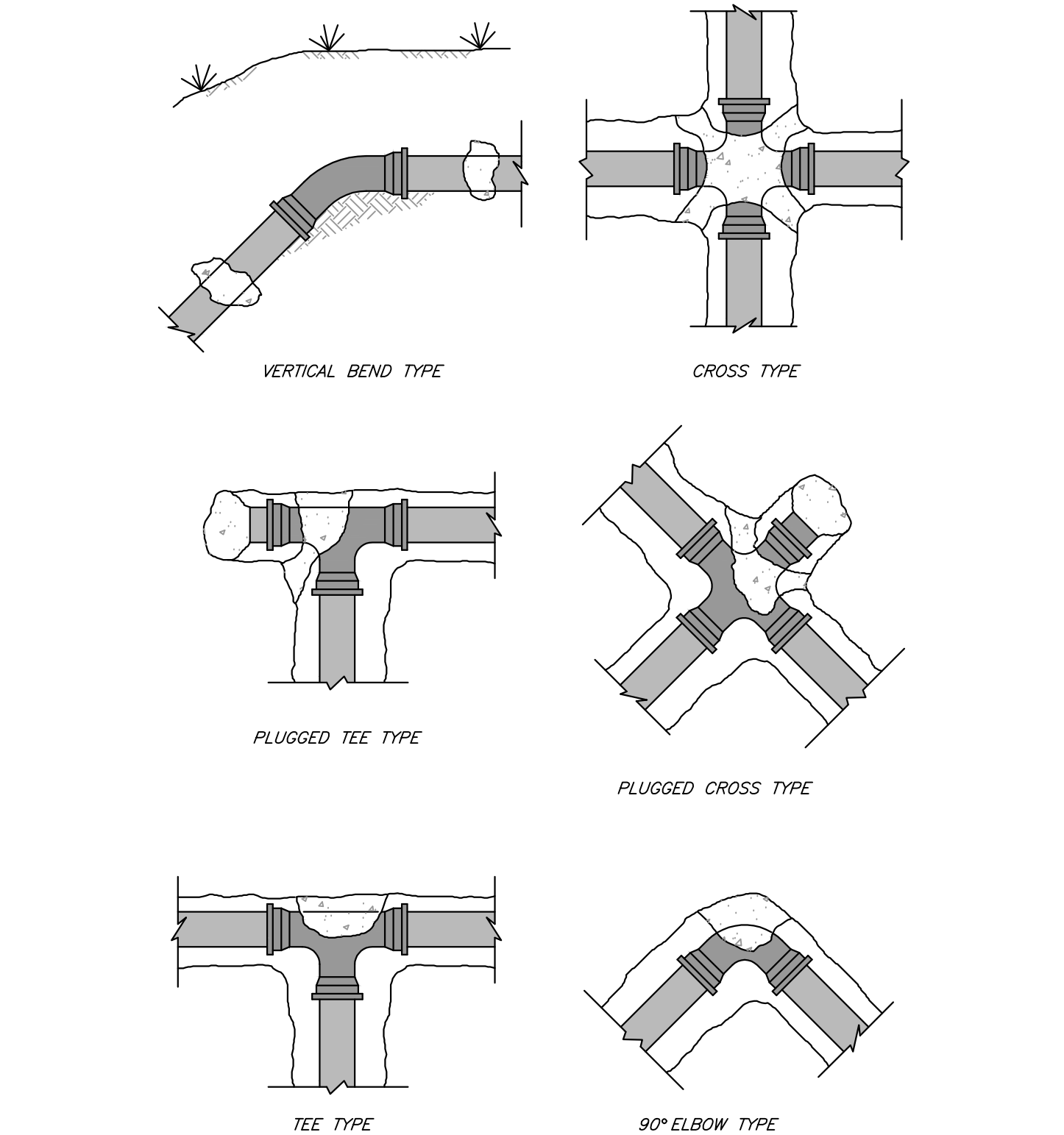
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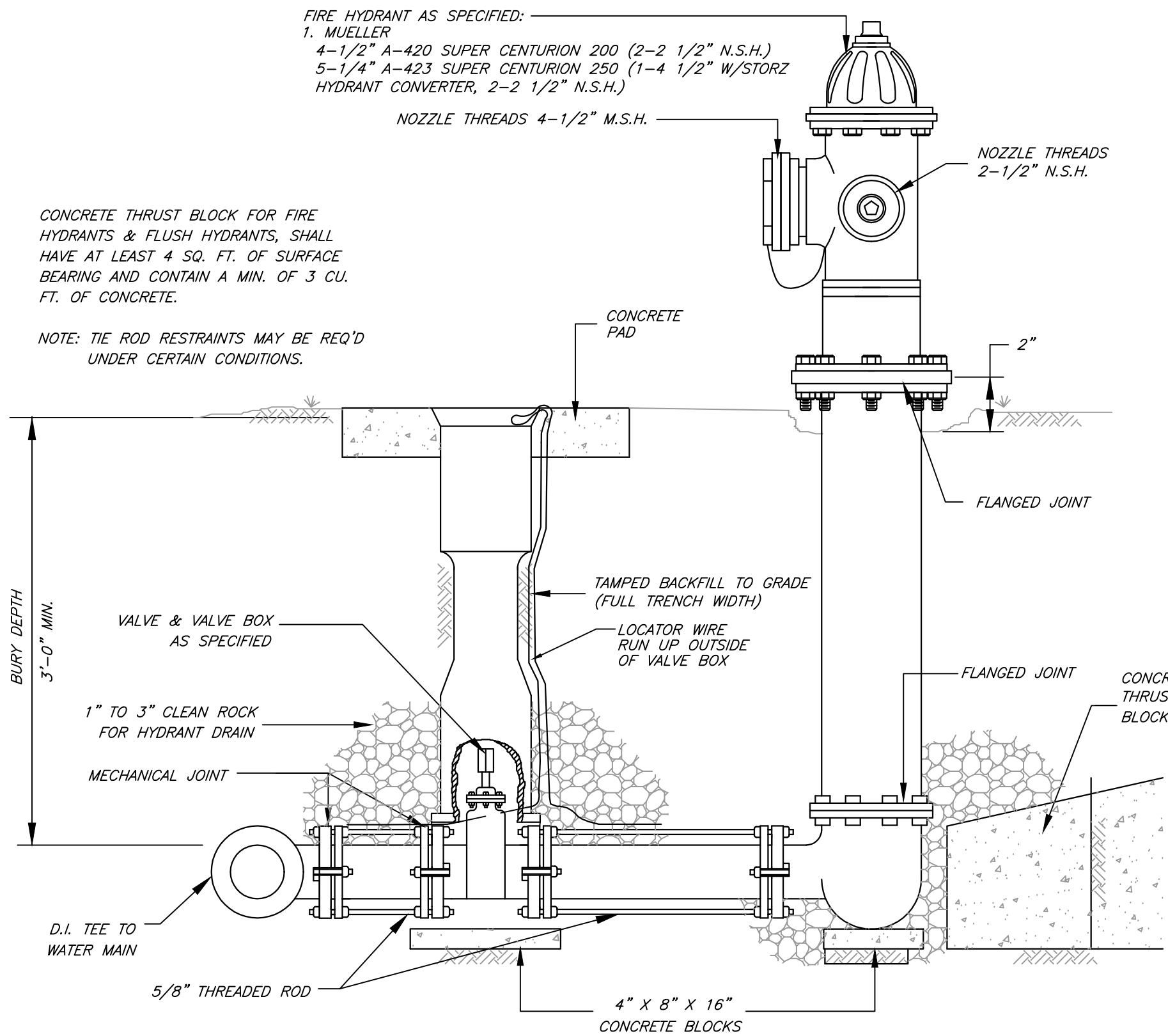
TYPICAL GATE VALVE
& VALVE BOX DETAIL
N.T.S.



PIPE SIZE	THRUST BLOCK BEARING SURFACE AREA	APPROXIMATE VOLUME OF THRUST BLOCK
2" - 4"	4 SQ. FT.	2-1/2 CU. FT.
6" - 8"	6 SQ. FT.	3 CU. FT.
10"	7 SQ. FT.	3-1/2 CU. FT.
12"	9 SQ. FT.	4-1/2 CU. FT.

NOTE: ALL THRUST BLOCKS ARE TO BEAR AGAINST UNDISTURBED SOIL.
ALL CONCRETE TO BE 3000 PSI. (MIN)
TIE ROD RESTRAINTS MAY BE REQ'D. UNDER CERTAIN CONDITIONS.

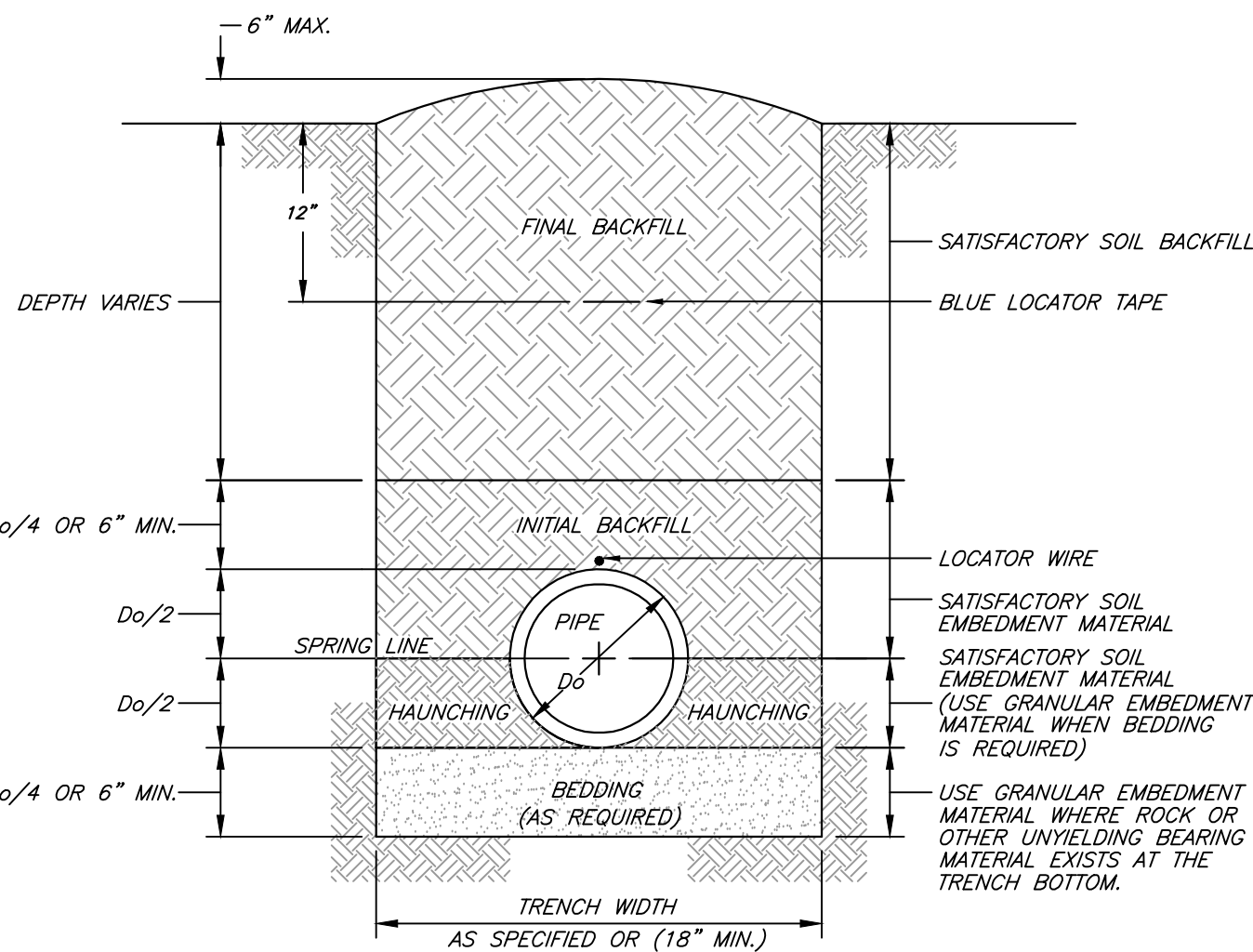
TYPICAL THRUST BLOCK DETAILS
N.T.S.



TYPICAL FIRE HYDRANT INSTALLATION
(TO BE USED FOR FLUSH INSTALLATION ALSO)

HYDRANT CONSTRUCTION NOTES:

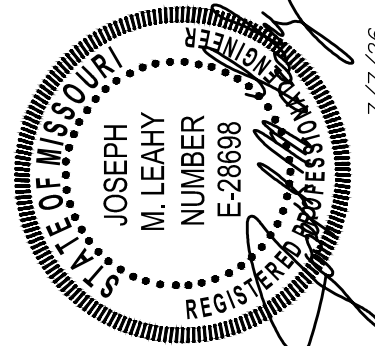
1. FIRE HYDRANT INSTALLATIONS SHALL BE APPROVED BY THE CITY PRIOR TO BACKFILLING.
2. IN GENERAL, FIRE HYDRANT LOCATIONS SHALL BE AS SHOWN ON THE PLANS BUT SHALL CONFORM TO THIS DETAIL. FIRE HYDRANTS SHALL NOT BE SET UNTIL LOCATION AND DEPTH ARE APPROVED BY THE CITY.
3. NO DOMESTIC OR FIRE PROTECTION SERVICES SHALL BE TAPPED OFF OF THE FIRE HYDRANT PIPING.
4. A 4'x4'x4' CONCRETE PAD SHALL BE CENTERED AROUND THE FIRE HYDRANT.
5. CONCRETE PAD SHALL BE PLACED FLUSH IN ELEVATION AND ADJOINED W/ BACK OF CURB (IF SIDEWALK IS DETACHED) OR BACK OF SIDEWALK (IF SIDEWALK IS ATTACHED). EXPANSION JOINT MATERIAL SHALL BE PLACED BETWEEN THE CONCRETE PAD AND CURB/SIDEWALK AND BETWEEN CONCRETE AND FIRE HYDRANT.
6. CONCRETE PAD SHALL BE FINISHED TO SIDEWALK STANDARDS.
7. ALL JOINTS SHALL BE RESTRAINED UTILIZING MECHANICAL RESTRAINT SYSTEMS. ROD RESTRAINTS MAY BE NEEDED UNDER CERTAIN CONDITIONS. CONCRETE TRUST BLOCKS SHALL NOT BE ALLOWED.
8. FIRE HYDRANTS SHALL BE FACTORY PAINTED WITH SAFETY RED HIGH GLOSS EQUIPMENT ENAMEL (TOUCH UP IF NECESSARY AFTER INSTALLATION).
9. FIRE HYDRANTS MAINS SHALL BE 6" MINIMUM.



* Do=OUTSIDE DIAMETER OF PIPE
* COMPACT ALL MATERIALS PER SPECIFICATIONS

PRESSURE PIPE TRENCH DETAIL
N.T.S.

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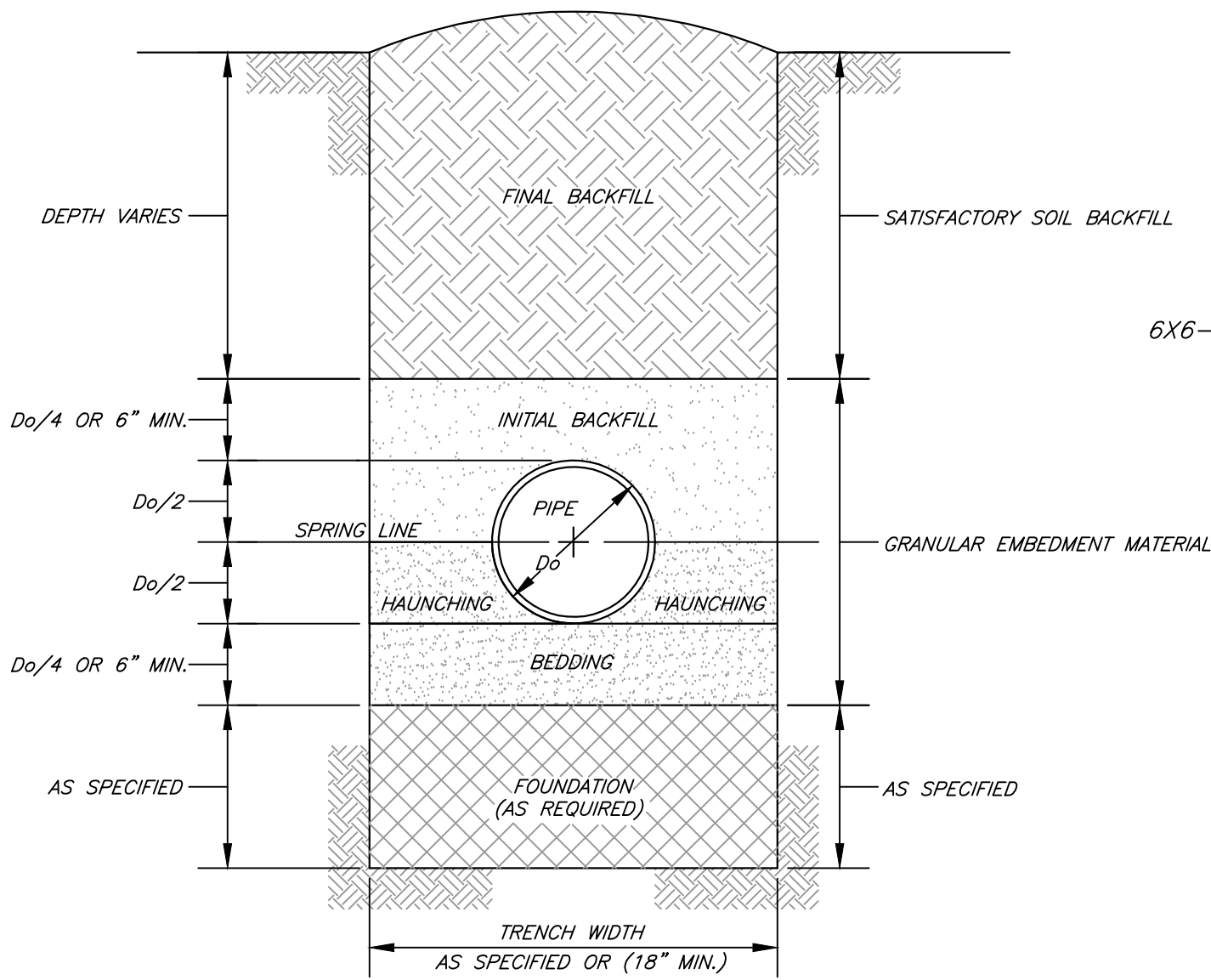
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CONSTRUCTION DETAILS (1)

SHEET NUMBER:

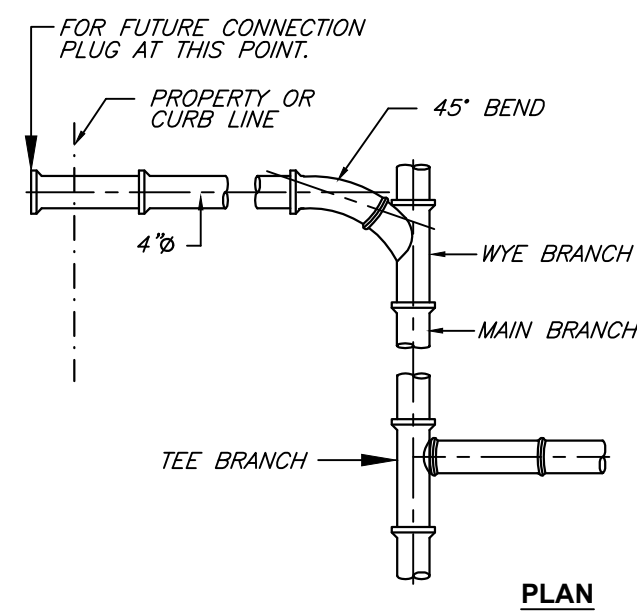
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7 OF 41 SHEETS

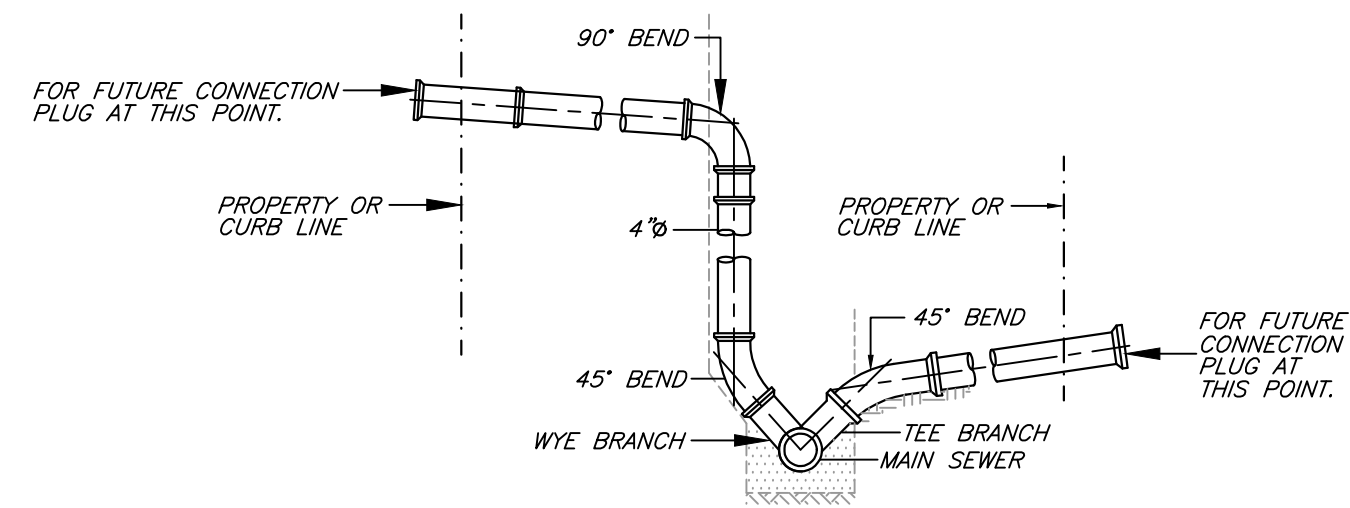


* Do=OUTSIDE DIAMETER OF PIPE
* COMPACT ALL MATERIALS PER SPECIFICATIONS

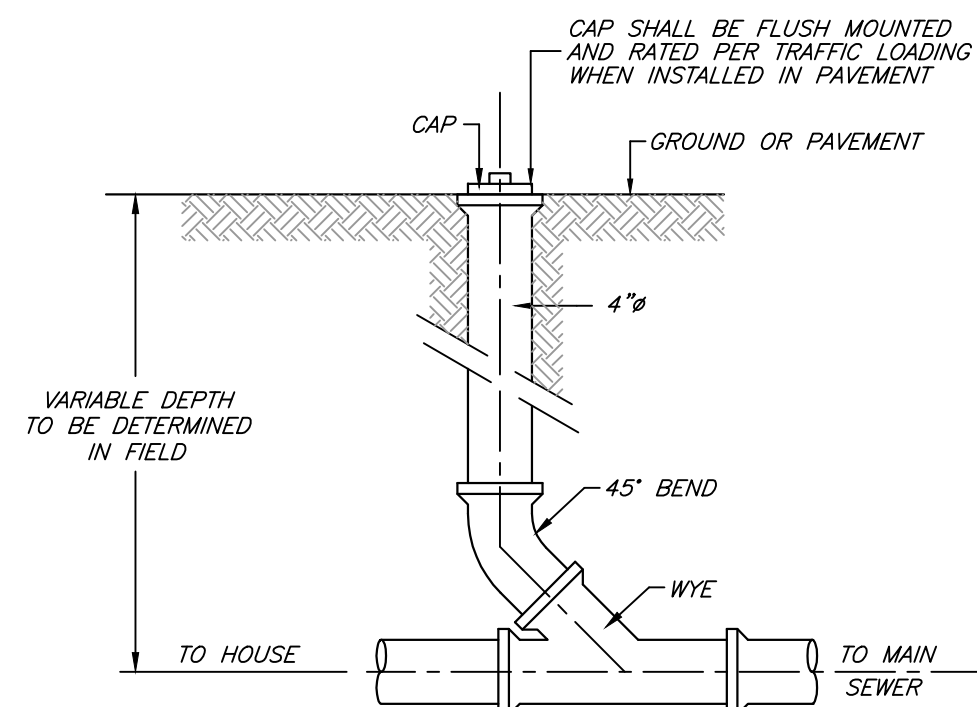
GRAVITY PIPE TRENCH DETAIL
N.T.S.



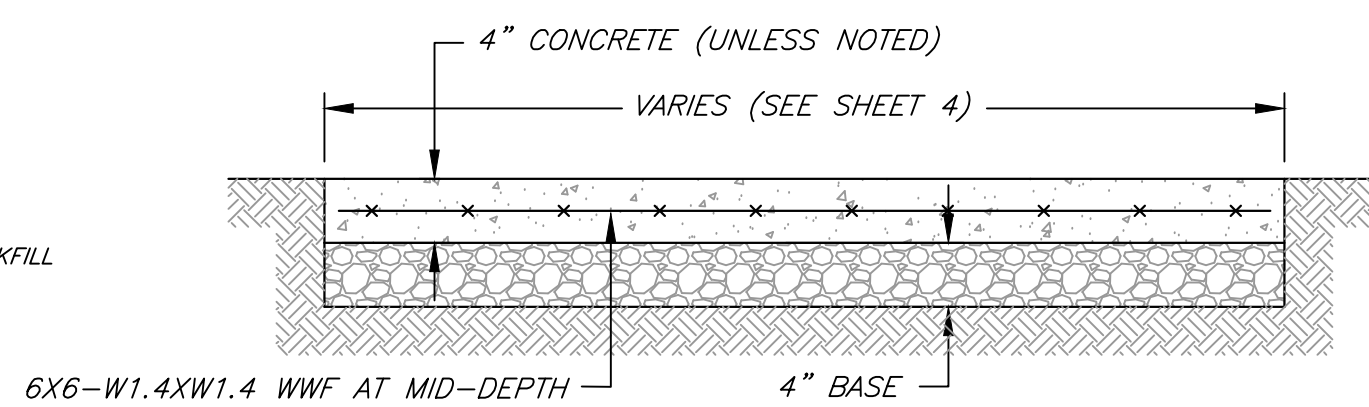
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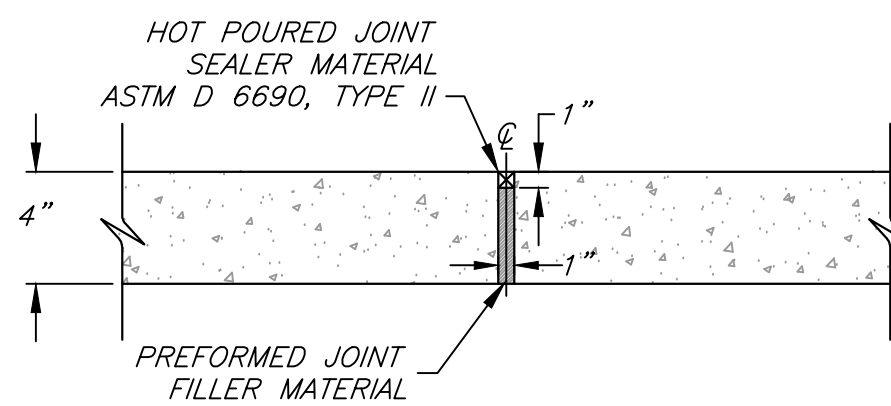
ELEVATION
SERVICE CONNECTION
N.T.S.



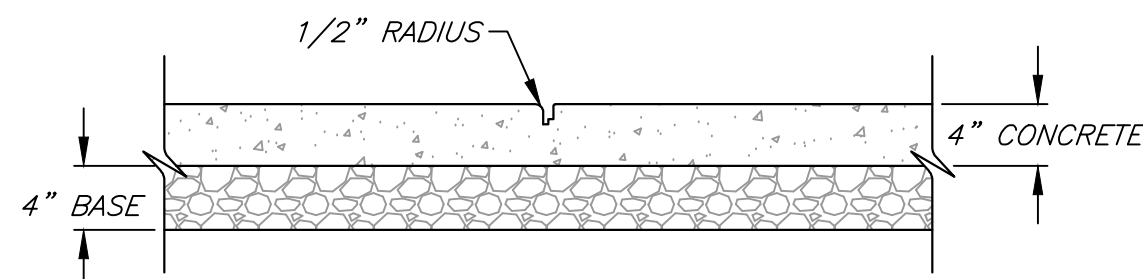
CLEAN OUT DETAIL
N.T.S.



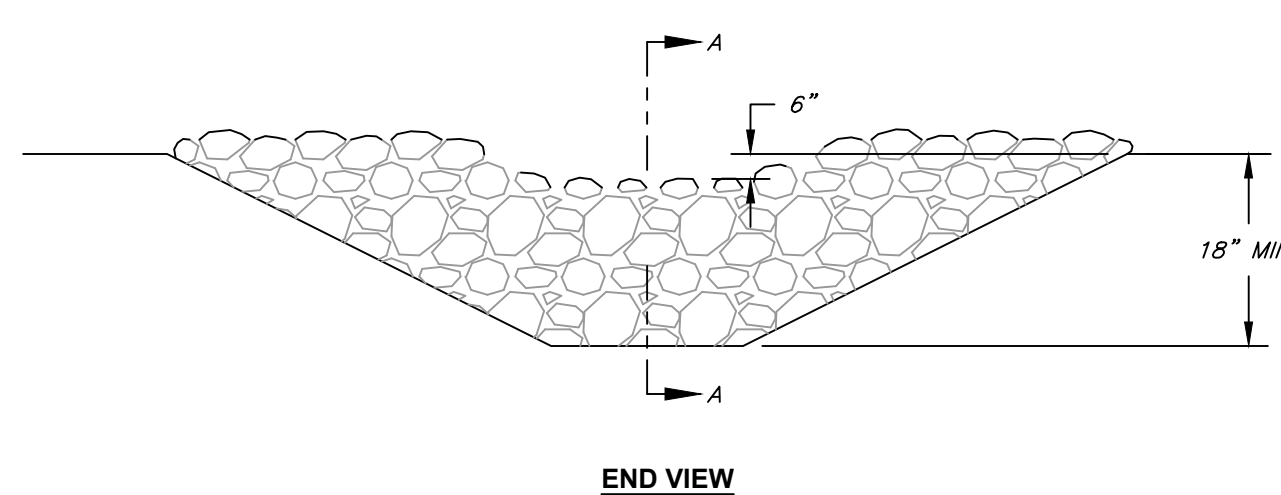
TYPICAL SIDEWALK DETAIL
N.T.S.



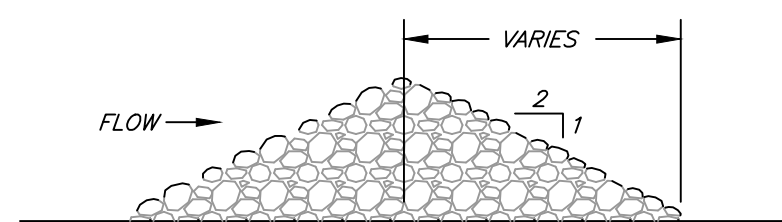
EXPANSION JOINT
EXPANSION JOINT SHALL BE
PLACED EVERY 200 FEET MIN.



CONSTRUCTION JOINT DETAILS FOR SIDEWALKS
N.T.S.

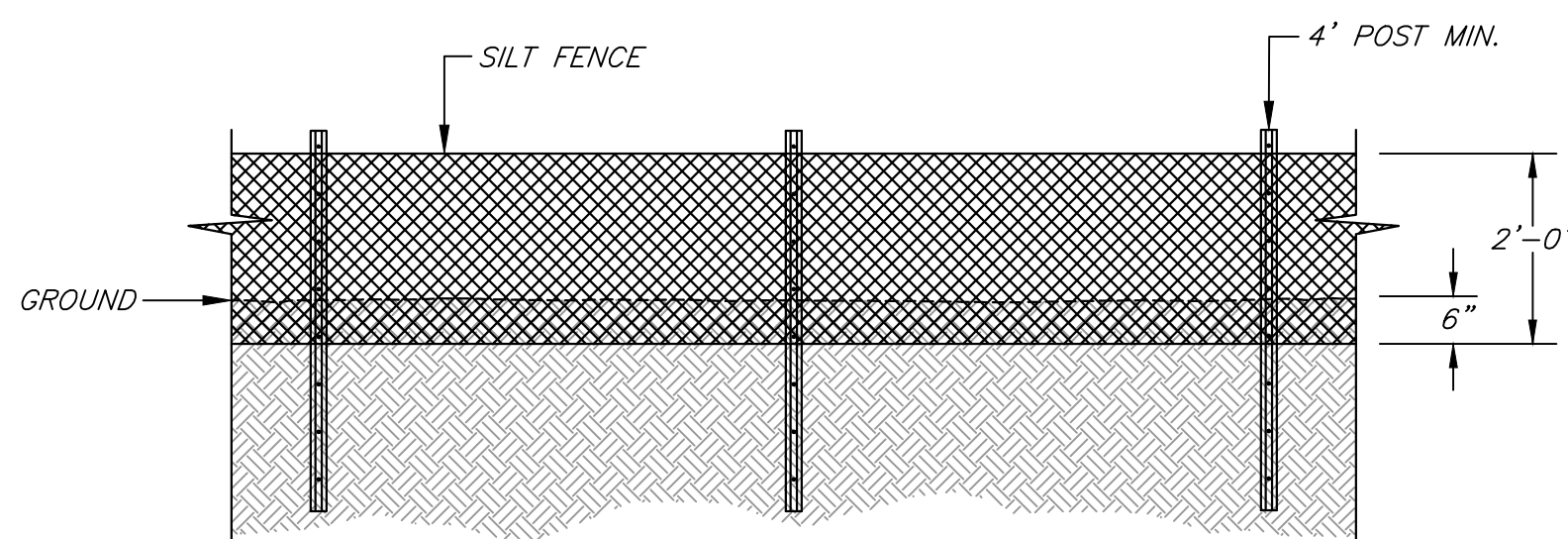


END VIEW

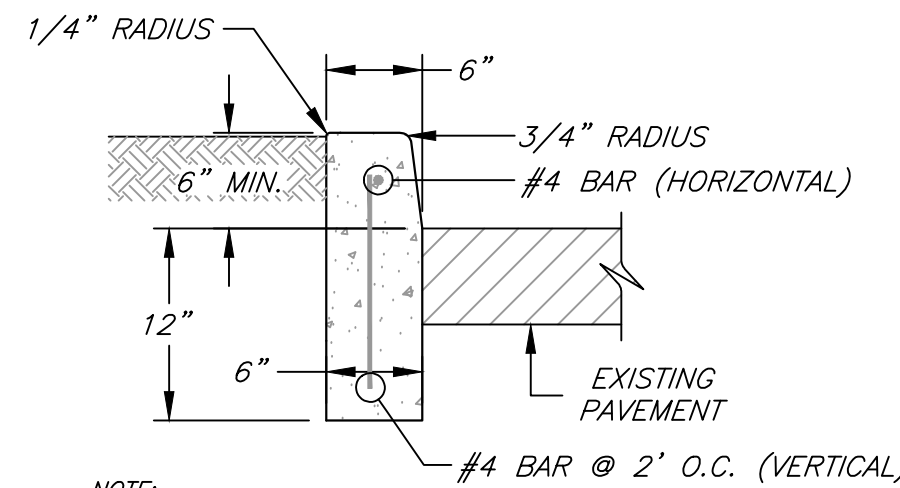


SECTION VIEW

SEDIMENT TRAP
TEMPORARY ROCK DITCH CHECK
N.T.S.

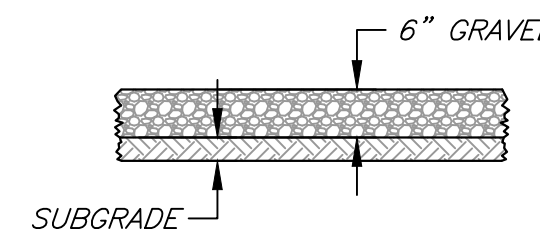


SILT FENCE DETAIL
N.T.S.

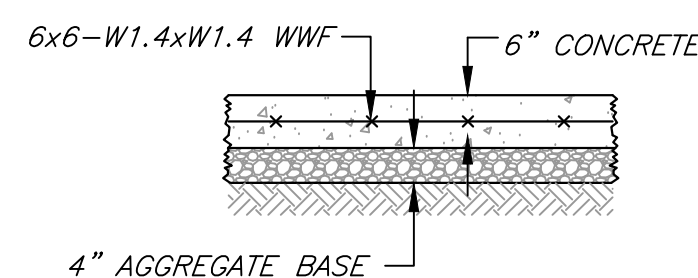


NOTE:
1. CURB HEIGHT MAY VARY BASED UPON CROSS
SLOPE OF SIDEWALK.
2. PROVIDE CONTROL JOINTS AT 15' INTERVALS.
3. CURBS CAN BE POURED INTEGRAL WITH
PAVEMENT IF CONCRETE PAVEMENT IS USED.

TYPICAL CURB DETAIL
N.T.S.

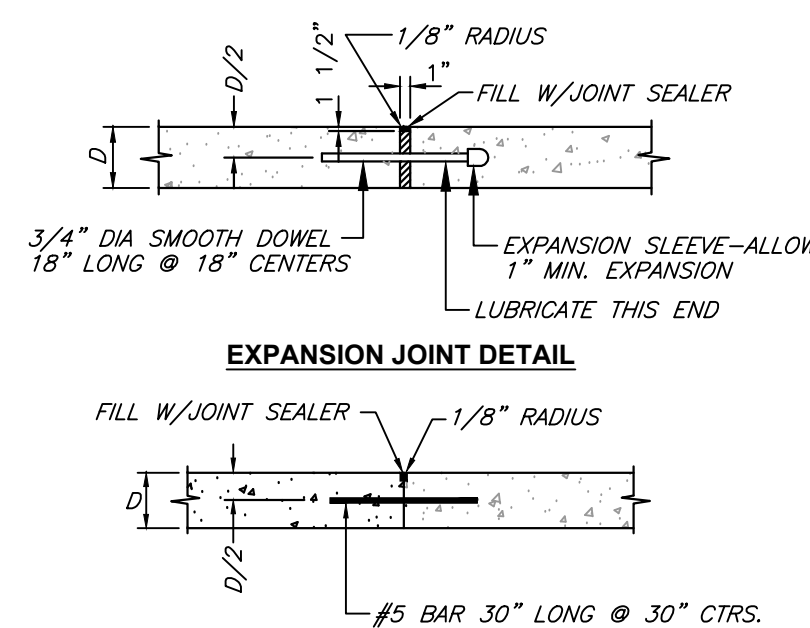


STANDARD GRAVEL DETAIL (BASE BID)
N.T.S.



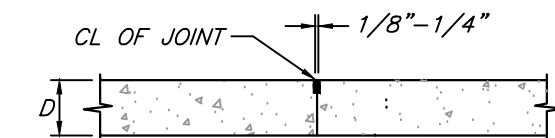
CONCRETE PAVEMENT (ALTERNATE)
N.T.S.

NOTE:
ADA PARKING STALL AS SHOWN ON PLAN SHALL
BE CONCRETE AS PART OF BASE BID.



EXPANSION JOINT DETAIL

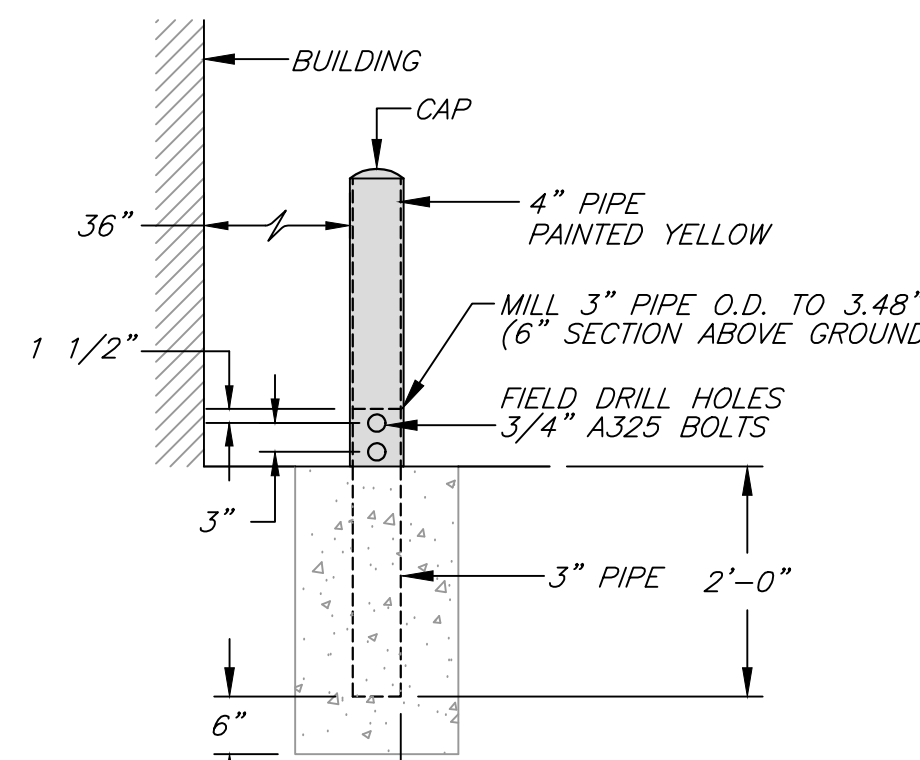
END OF CONSTRUCTION DETAIL



TYPICAL SAW JOINT DETAIL

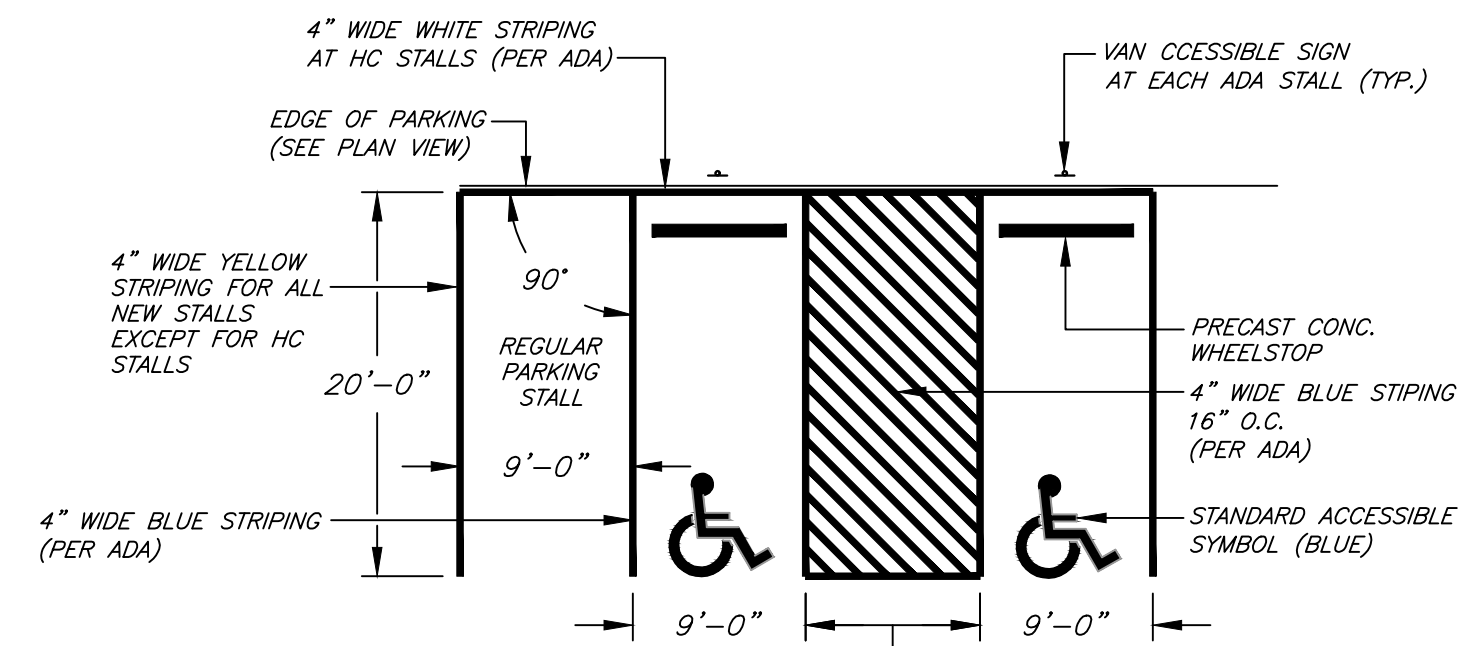
NOTE: SAW JOINTS TO BE PLACED A MINIMUM OF EVERY 15'

CONCRETE CONSTRUCTION JOINT DETAILS
N.T.S.



SECTION

BOLLARD DETAIL
N.T.S.

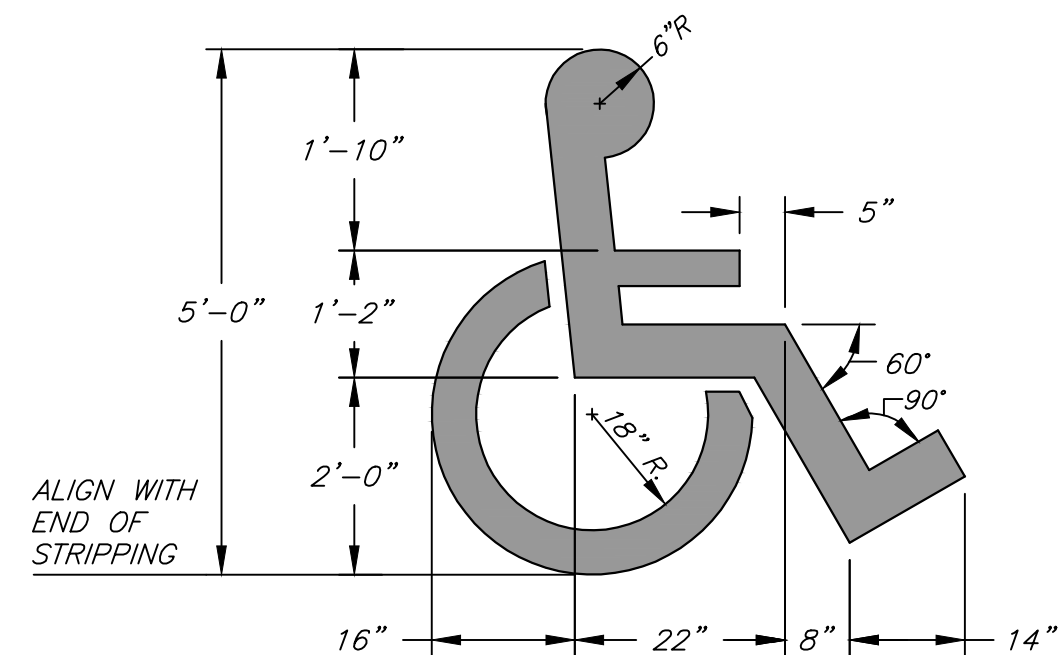


(SEE SHEET C3.0 FOR STALL LOCATIONS)

9'x19' STALL AND ADA STALLS

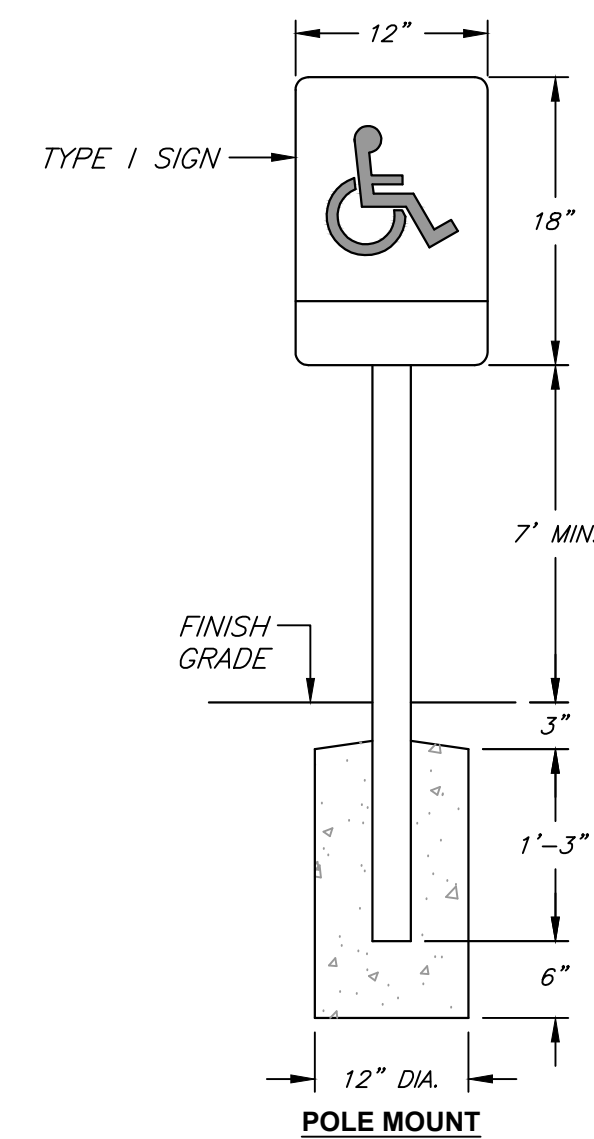
NOTES:
1.) MAXIMUM SLOPE IN ALL DIRECTIONS SHALL NOT EXCEED 2%.
2.) WHEELSTOPS ARE NOT REQUIRED AT 6" CURB.
3.) TYPICAL DETAIL SHOWN, FOLLOW PLAN FOR EXACT LAYOUT

PARKING STALL DETAILS
N.T.S.
(BY OWNER)



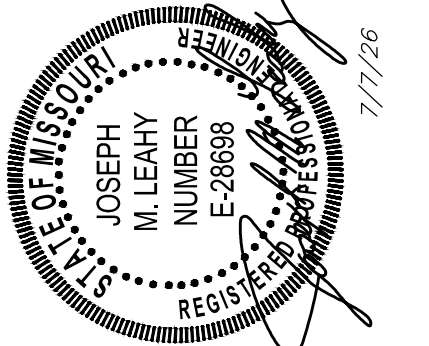
ALL LINES TO BE 6" WIDE CENTER IN
PARKING STALL COLOR BLUE

ADA EMBLEM
(AT END OF EACH STALL)
N.T.S.
(BY OWNER)



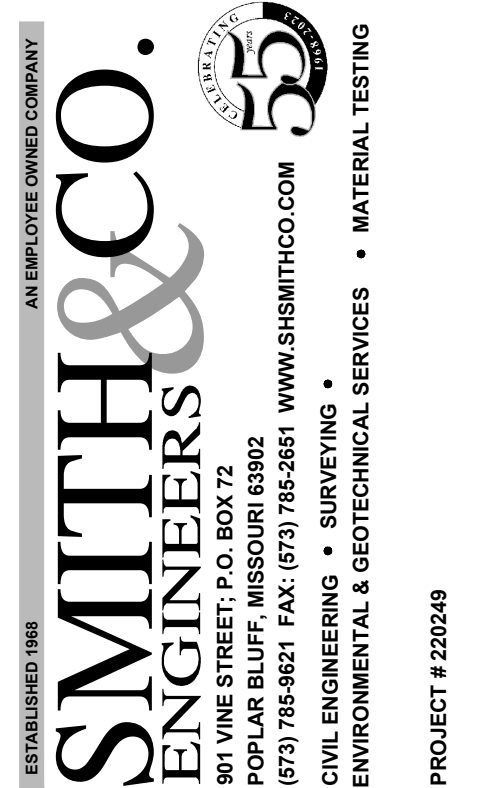
POLE MOUNT
ADA SIGN DETAIL
N.T.S.
(BY OWNER)

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



JOSEPH M. LEAHY
MO# E-28698
S.H. SMITH & COMPANY
CERT.# E-616-D

PROFESSIONAL SEAL



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

CONSTRUCT NEW
SOLDIER DINING FACILITY

WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT # T2232-01
SITE # 6325
ASSET # 8136325016

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: JULY 10, 2026

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DRAWN BY: RDS
CHECKED BY: JML
DESIGNED BY: JML

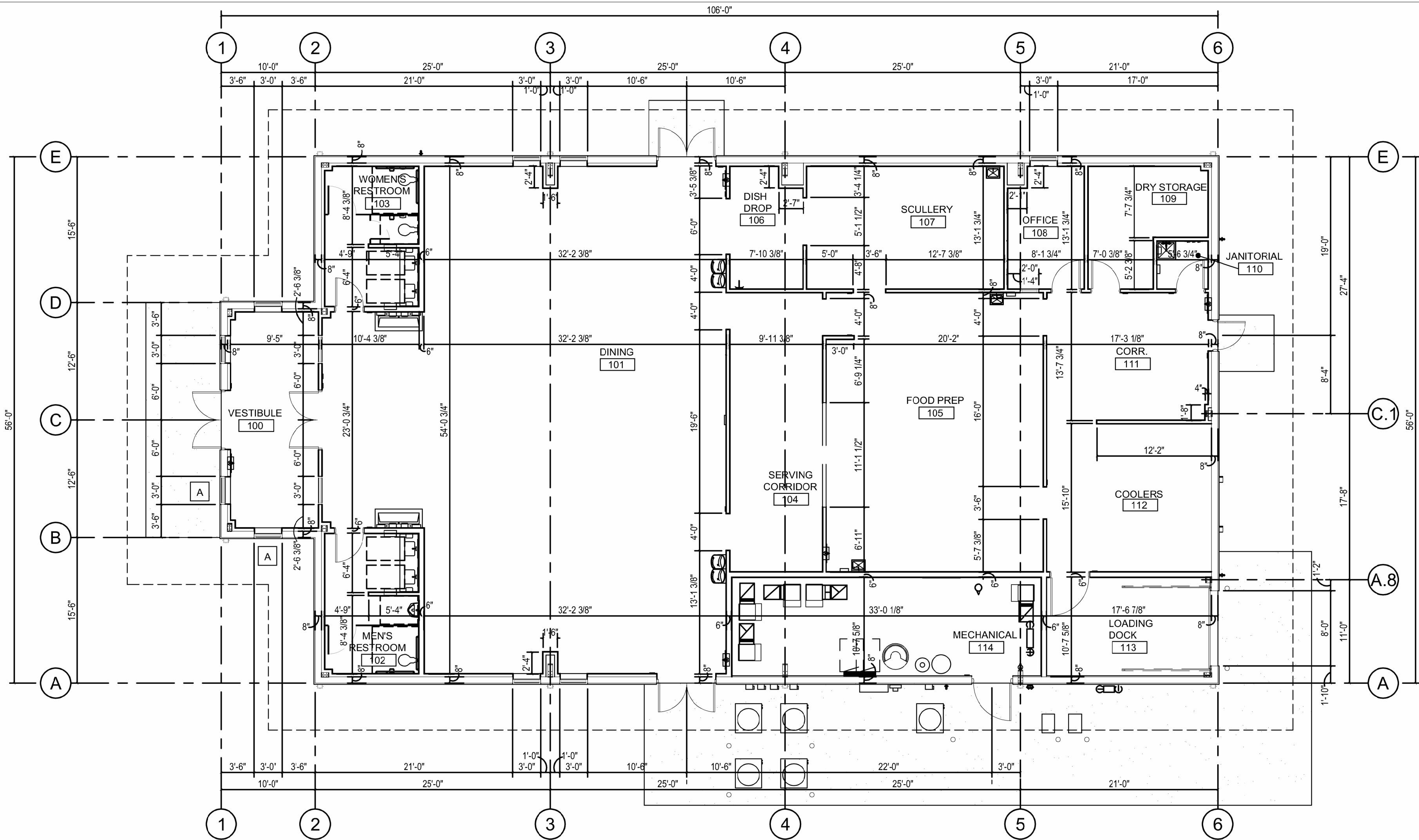
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CONSTRUCTION DETAILS (2)

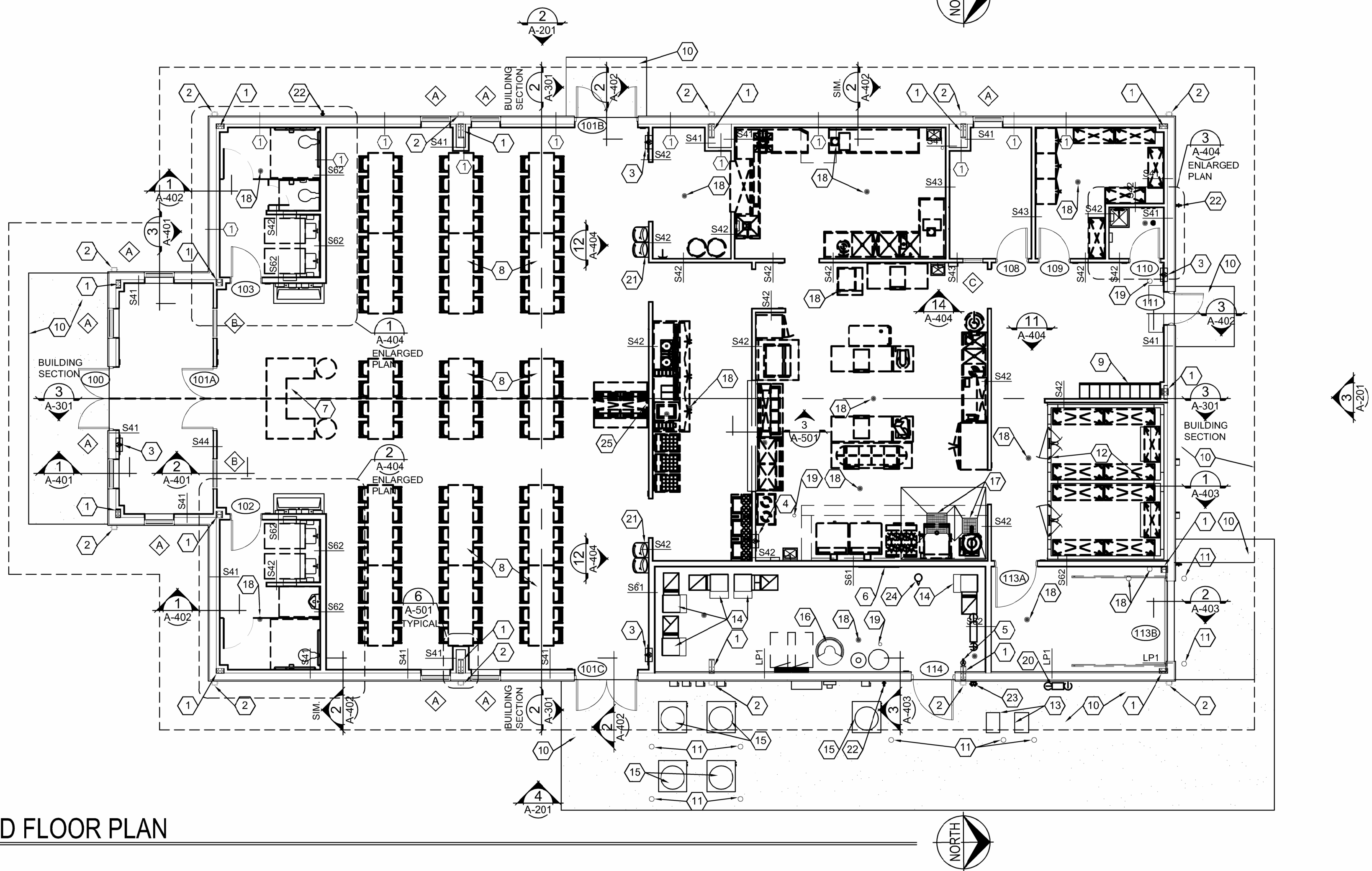
SHEET NUMBER:

C6.0

8 OF 41 SHEETS



1 DIMENSION FLOOR PLAN
1/8" = 1'-0"



2 NOTATED FLOOR PLAN
NTS

PARTITION SCHEDULE

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

S41 STUD WALL:
-362S162-33 (3 5/8"-20 GA.) METAL STUD FRAMING AT 24"
O.C.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON
EXPOSED SIDE.
-EXTEND ASSEMBLY TO 10'-0" ABOVE FINISH FLOOR.

S42 STUD WALL:
-362S162-33 (3 5/8"-20 GA.) METAL STUD FRAMING AT 24"
O.C.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH
SIDES
-EXTEND ASSEMBLY TO 10'-0" ABOVE FINISH FLOOR.

S43 STUD WALL:
-362S162-33 (3 5/8"-20 GA.) METAL STUD FRAMING AT 24"
O.C.
-3 1/2" UNFACED SOUND ATTENUATION BATT
INSULATION.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH
SIDES
-EXTEND ASSEMBLY TO 10'-0" ABOVE FINISH FLOOR.

S44 STUD WALL:
-362S162-33 (3 5/8"-20 GA.) METAL STUD FRAMING AT 24"
O.C.
-3 1/2" UNFACED SOUND ATTENUATION BATT
INSULATION.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH
SIDES
-EXTEND ASSEMBLY TO BOTTOM OF ROOF
STRUCTURE.

S61 STUD WALL:
-600S162-33 (6"-20 GA.) METAL STUD FRAMING AT 24"
O.C.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH
SIDES
-EXTEND ASSEMBLY TO BOTTOM OF ROOF
STRUCTURE.

S62 STUD WALL:
-600S162-33 (6"-20 GA.) METAL STUD FRAMING AT 24"
O.C.
-6" UNFACED SOUND ATTENUATION BATT INSULATION.
-ONE LAYER 5/8" TYPE "X" GYPSUM BOARD ON BOTH
SIDES
-EXTEND ASSEMBLY TO BOTTOM OF ROOF
STRUCTURE.

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

INTERIOR WALL AND CEILING GENERAL NOTES

1. GENERAL:
A. REFER TO INTERIOR ELEVATIONS, FINISH PLAN AND SCHEDULES FOR
ADDITIONAL FINISH MATERIAL APPLICATION REQUIREMENTS.

2. FRAMING:
A. PROVIDE FIRE TREATED 2X BLOCKING AS REQUIRED FOR INSTALLATION OF
ACCESSORIES, EQUIPMENT, AND FURNISHINGS PER MANUFACTURER'S
RECOMMENDATIONS.

B. WHERE FRAMING DOES NOT EXTEND TO BOTTOM OF DECK OR STRUCTURE,
LATERALLY BRACE TOP OF PARTITION WALL FRAMING WITH 362S162-33 (3
5/8"-20 GA.) STUDS AT 4'-0" O.C. ALTERNATING DIAGONALLY EXTENDING TO
STRUCTURAL FRAMING ABOVE.

C. WHERE WALL FRAMING EXTENDS TO BOTTOM OF ROOF DECK OR
STRUCTURE, PROVIDE DEFLECTION CHANNELS AT TOP TRACK FOR 1 1/2"
MINIMUM DEFLECTION.

D. PROVIDE HORIZONTAL STUD BRIDGING AT 4'-0" O.C. VERTICAL.

E. REFER TO DOOR HEAD, JAMB AND SILL DETAILS FOR ADDITIONAL FRAMING
REQUIREMENTS.

3. GYPSUM AND BACKING BOARD:
A. EXPANSION/CONTROL JOINTS: INSTALL EXPANSION/CONTROL JOINTS IN
CEILINGS EXCEEDING 2500 SQ. FT. IN AREA AND IN PARTITION WALL LENGTHS
EXCEEDING 30 FEET. DO NOT EXCEED A DISTANCE OF 50 FEET IN ANY
DIRECTION BETWEEN CEILING JOINTS. INSTALL CONTROL JOINTS WHERE
CEILING FRAMING OR FURRING CHANGES DIRECTION.

B. PROVIDE "J" MOLDING REGRETS OR CORNER BEAD AT ALL DISSIMILAR WALL
MATERIAL TRANSITIONS.

C. PROVIDE MOISTURE RESISTANT TYPE "X" GYPSUM BOARD AT ALL WET
LOCATIONS (ALL KITCHEN AREAS, RESTROOMS, TOILETS, WET WALLS, AND
JANITOR'S SINK AREAS).

4. INSULATION:
A. INSULATION SHALL HAVE A FLAME SPREAD RATING OF 0-25 AND A SMOKE
DEVELOPMENT RATING OF 0-450.

B. PROVIDE SEALANT ON BOTH SIDES OF STUD BOTTOM TRACKS AT
ACOUSTICAL INSULATED WALL LOCATIONS.

5. FIRE STOPPING:
A. PROVIDE FIRE STOPPING AND FIRE SEALANT MATERIALS AS REQUIRED AT
ALL FIRE RATED ASSEMBLY TRANSITIONS AND PENETRATIONS. RATING TO BE
EQUAL TO RATED ASSEMBLY.

GENERAL NOTES

A REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

B DIMENSION ARE TO ROUGH FACE OF FOUNDATION, PRE-ENGINEERED
METAL BUILDING GIRTS, COLD-FORM METAL FRAMING, OR
CENTERLINE OF STRUCTURE, UNLESS OTHERWISE INDICATED. NOTE
INTERIOR 3 5/8" COLD-FORM METAL STUD WALL DIMENSIONS NOT
SHOWN FOR CLARITY.

C REFER TO SCOPE OF WORK SCHEDULE FOR ADDITIONAL
REQUIREMENTS, OWNER'S FURNISHED AND INSTALLED FURNITURE
AND EQUIPMENT SHOW FOR REFERENCE ONLY (N.I.C.).

D REFER TO CODE ANALYSIS DRAWING FOR ADDITIONAL
REQUIREMENTS.

E REFER TO DRAWING A-601 FOR DOOR AND WINDOW SCHEDULES.

F REFER TO EXTERIOR AND INTERIOR FINISH SCHEDULES FOR
ADDITIONAL REQUIREMENTS.

G REFER TO K DRAWINGS FOR ADDITIONAL REQUIREMENTS.

H REFER TO PRE-ENGINEERED METAL BUILDING SUBMITTALS FOR
ADDITIONAL REQUIREMENTS.

I GENERAL CONTRACTOR SHALL INSTALL SOLID WOOD BLOCKING AT
WALLS AND PARTITIONS AS NECESSARY FOR INSTALLATION OF
TOILET PARTITIONS, ACCESSORIES, LOCKERS, ETC. COORDINATE
WITH OWNER.

KEY NOTES

1 PRE-ENGINEERED METAL BUILDING STRUCTURAL SYSTEM. FINAL
FRAMING LAYOUT, SIZES, ORIENTATION, AND LATERAL BRACING
SYSTEM SHALL BE COORDINATED WITH STRUCTURAL AND
ARCHITECTURAL DRAWINGS. GIRTS SHALL BE 8" WIDE HOLD INTERIOR
WALL FRAMING AS CLOSE AS POSSIBLE TO STRUCTURE.

2 PRE-ENGINEERED METAL BUILDING DOWNSPOUT SYSTEM. REFER TO
ROOF PLAN FOR ADDITIONAL REQUIREMENTS.

3 RECESS MOUNTED FIRE EXTINGUISHER WITH CABINET. FIRE
EXTINGUISHER SHALL BE UL LISTED CLASS "K" TYPE, MULTIPURPOSE
DRY CHEMICAL, 10 LBS. MINIMUM CAPACITY. REFER TO
DETAIL 5/A-501.

4 RECESS MOUNTED FIRE EXTINGUISHER WITH CABINET. FIRE
EXTINGUISHER SHALL BE UL LISTED CLASS "K" TYPE, MULTIPURPOSE
DRY CHEMICAL, 10 LBS. MINIMUM CAPACITY. REFER TO DETAILS 5/A-501.

5 SURFACE MOUNTED FIRE EXTINGUISHER. FIRE EXTINGUISHER SHALL
BE UL LISTED CLASS "ABC" TYPE, MULTIPURPOSE DRY CHEMICAL,
10 LBS. MINIMUM CAPACITY. REFER TO DETAIL 5/A-501 (SIMILAR).

6 4'-0"x8'-0"x3/4" FIRE TREATED PLYWOOD COMMUNICATIONS AND DATA
MOUNTING BOARD. COORDINATE FINAL LOCATION WITH
TELECOMMUNICATION AND DATA CONTRACTOR. REFER TO
ELECTRICAL DRAWINGS.

7 MOBILE CASHIER STATION (OWNER FURNISHED AND INSTALLED).

8 TABLES AND CHAIRS (OWNER FURNISHED AND INSTALLED).

9 DOUBLE TIER LOCKERS (CONTRACTOR FURNISHED AND INSTALLED).

10 CONCRETE PAVING, REFER TO CIVIL DRAWINGS.

11 BOLLARD (TYPICAL), REFER TO CIVIL DRAWINGS.

12 COOLER SYSTEM (CONTRACTOR FURNISHED AND INSTALLED) ON
RECESSED CONCRETE SLAB. REFER TO STRUCTURAL AND FOOD
SERVICE DRAWINGS.

13 COOLER SYSTEM CONDENSING UNIT (CONTRACTOR FURNISHED AND
INSTALLED), REFER TO FOOD SERVICE AND MECHANICAL DRAWINGS.

14 MECHANICAL UNIT, REFER TO MECHANICAL DRAWINGS.

15 MECHANICAL CONDENSING UNIT, REFER TO MECHANICAL DRAWINGS.

16 WATER HEATER, REFER TO PLUMBING DRAWINGS.

17 FLOOR DRAIN WITH SLOPED CONCRETE, REFER TO STRUCTURAL AND
PLUMBING DRAWINGS.

18 FLOOR DRAIN (TYPICAL), REFER TO DETAIL 2/A-501 AND PLUMBING
DRAWINGS.

19 FLOOR CLEAN-OUT, REFER TO PLUMBING DRAWINGS.

20 GAS METER, REFER TO PLUMBING AND SITE UTILITY DRAWINGS.

21 DRINKING FOUNTAIN, REFER TO PLUMBING DRAWINGS.

22 HOSE BIB, REFER TO PLUMBING DRAWINGS.

23 FIRE SPRINKLER SYSTEM FIRE DEPARTMENT CONNECTION, REFER TO
PLUMBING DRAWINGS.

24 FIRE SPRINKLER RISER SYSTEM, REFER TO PLUMBING DRAWINGS.

25 OWNER FURNISHED AND INSTALLED BATTERY POWERED CLOCK.

SYMBOLS LEGEND

NOTE: REFER TO CODE SUMMARY PLAN FOR LOCATIONS OF FIRE
RATED ASSEMBLIES AND ASSOCIATED SYMBOLS LEGEND.

2 KEY NOTE - REFER KEY NOTE SCHEDULE

101 DOOR MARK - REFER TO DOOR SCHEDULE ON DRAWING
A-501

A WINDOW MARK - REFER TO WINDOW SCHEDULE ON DRAWING
A-501

OFFICE 107 ROOM MARK - DESCRIPTION AND NUMBER

S41 WALL TYPE MARK - REFER TO INTERIOR WALL TYPE
SCHEDULE.

STATE OF MISSOURI
MIKE KEHOE,
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OFFICE OF ADMINISTRATION
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DEPARTMENT OF
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WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT # T2232-01
SITE # 6325
ASSET # 8136325016

REVISION: _____
DATE: _____
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ISSUE DATE: JULY 10, 2026

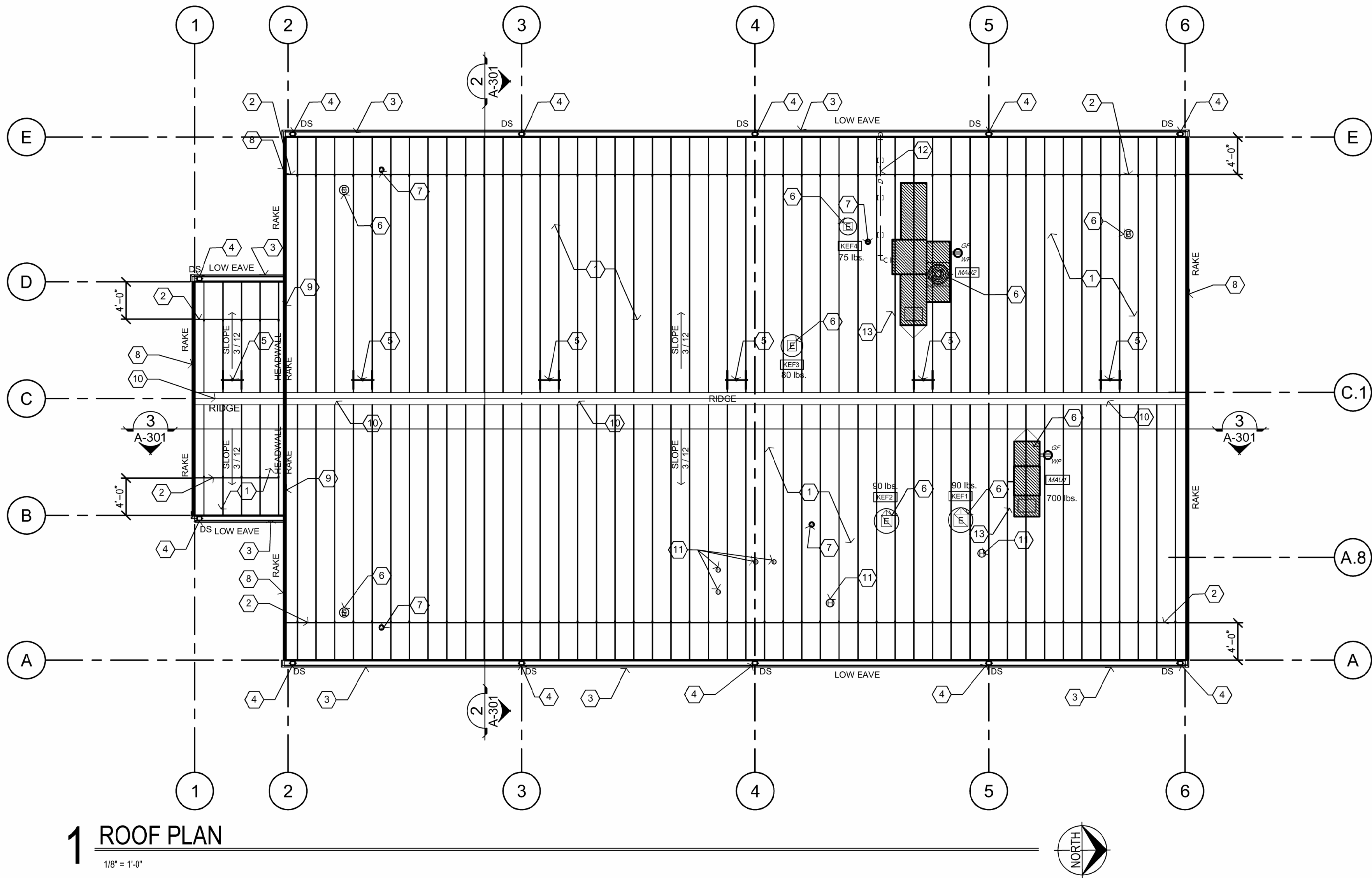
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DRAWN BY: BB
CHECKED BY: KU
DESIGNED BY: KU

SHEET TITLE:
DIMENSION PLAN,
NOTATED FLOOR
PLAN AND PARTITION
SCHEDULE

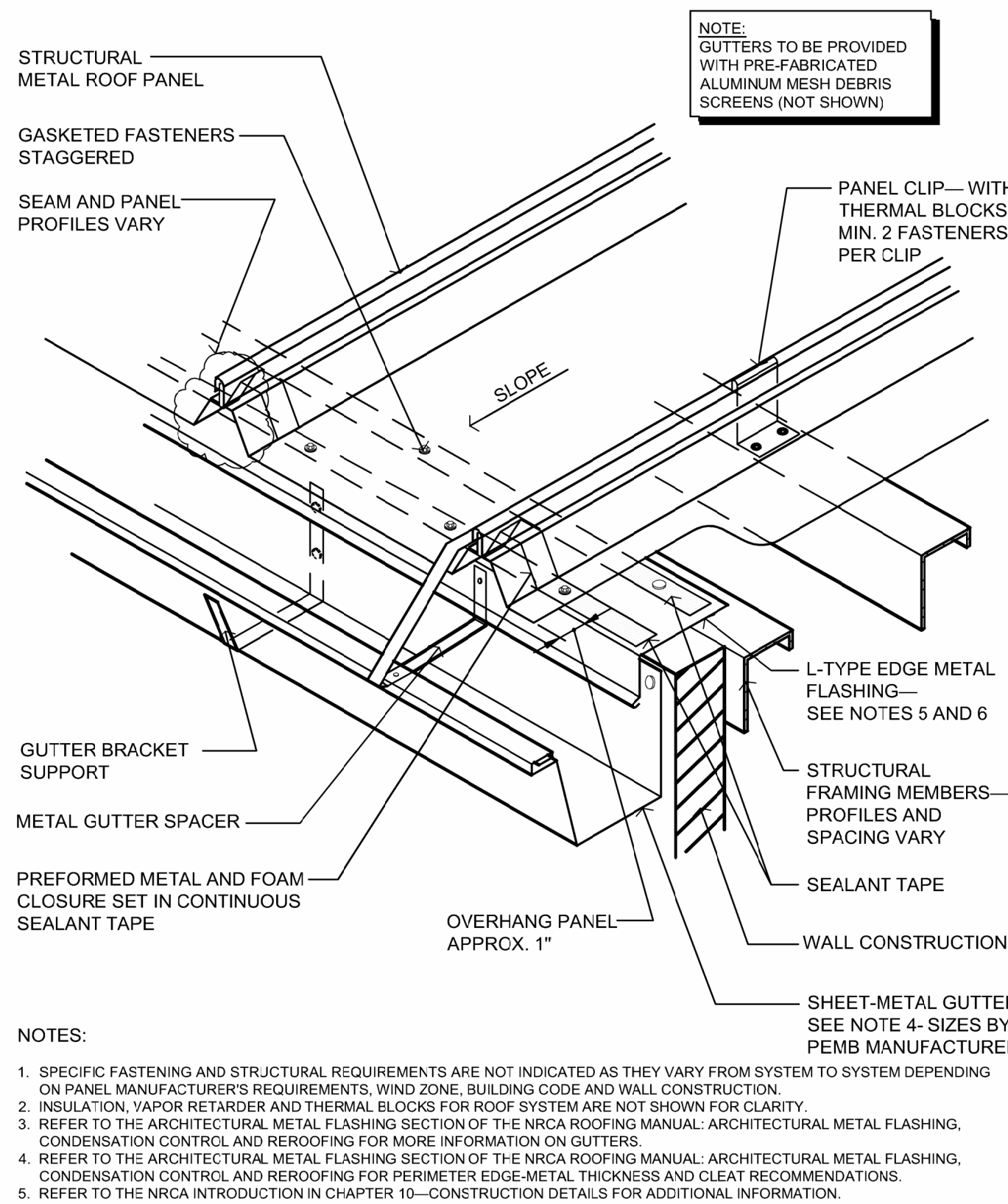
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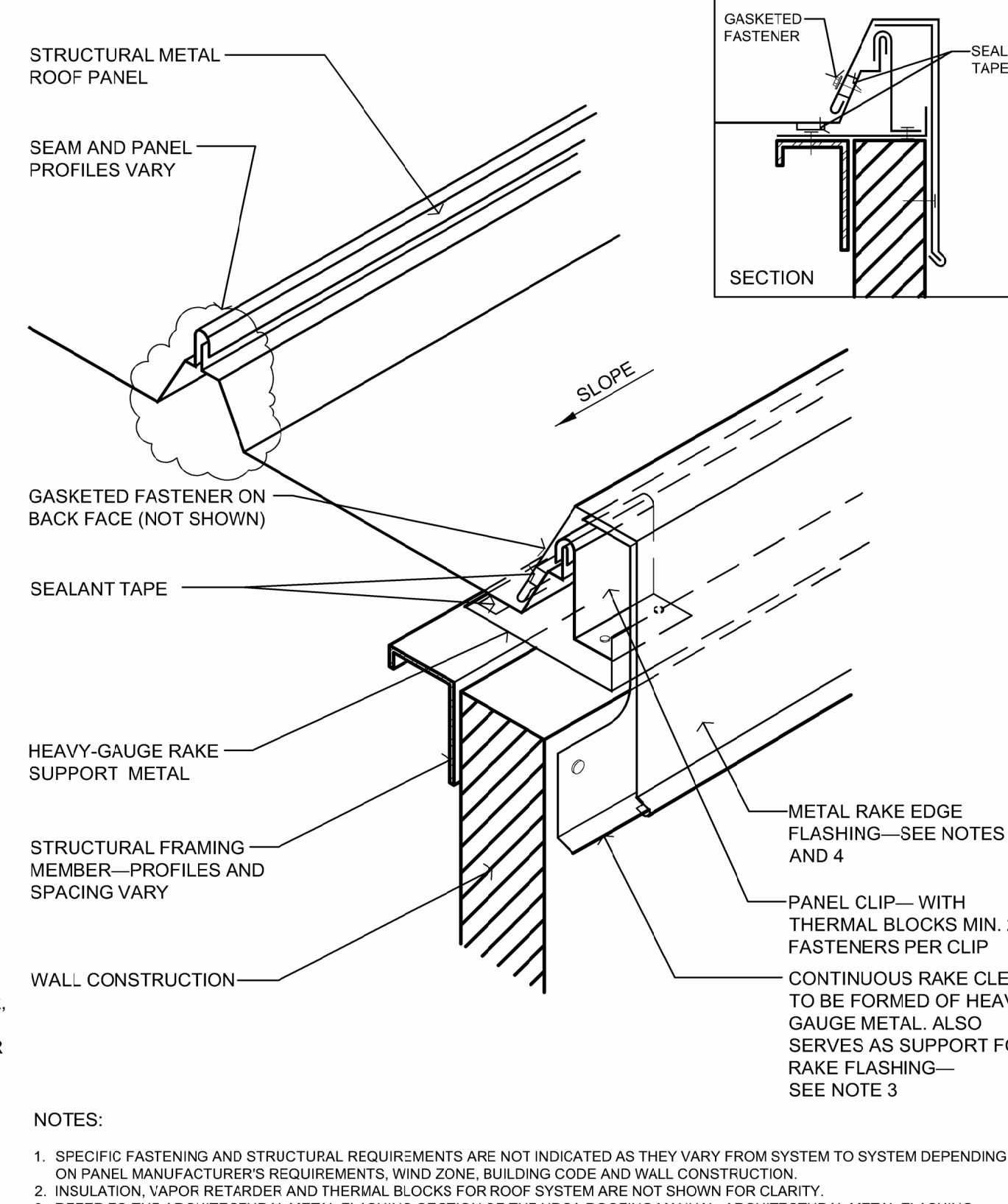
9 OF 41 SHEETS



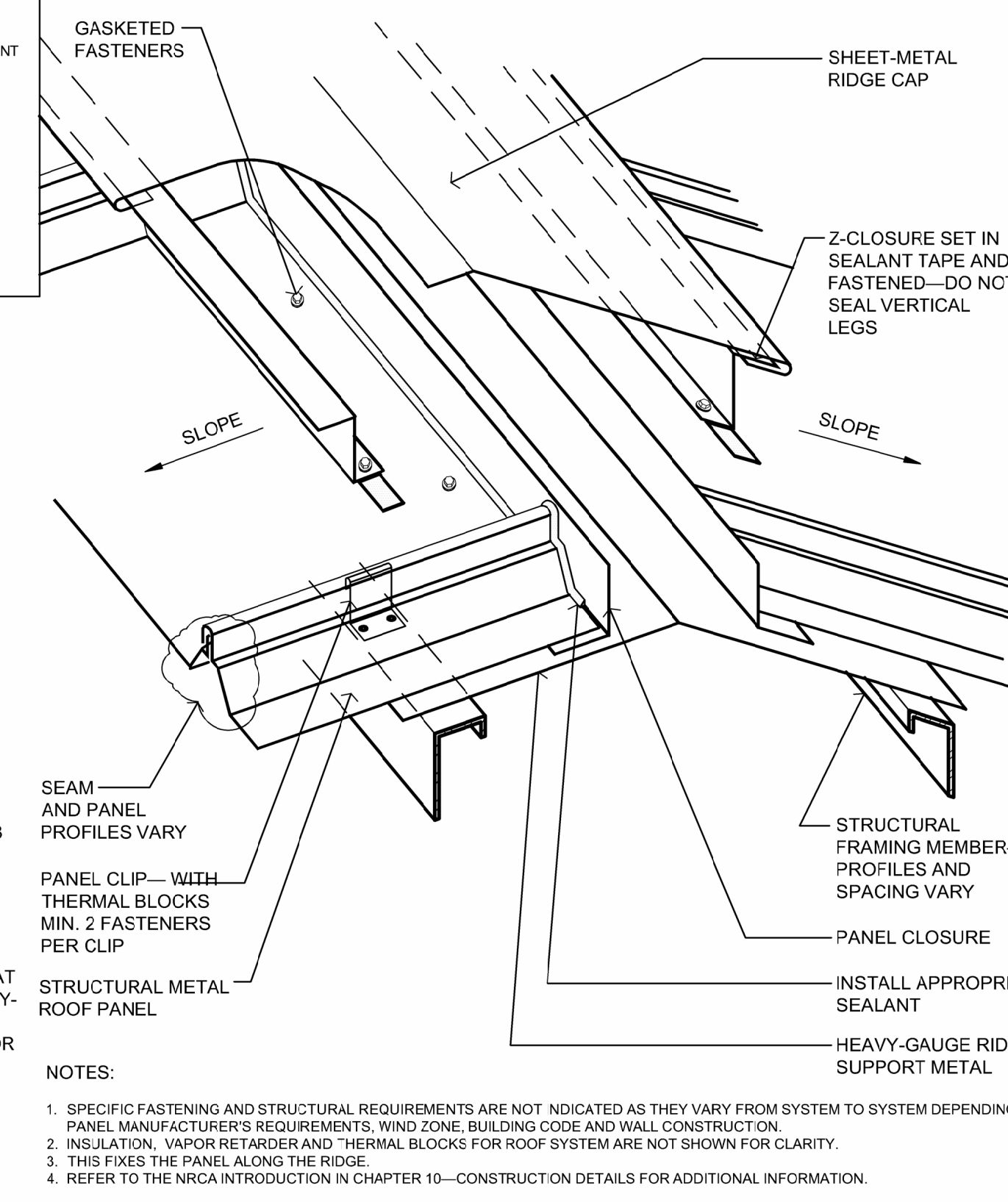
1 ROOF PLAN
1/8" = 1'-0"



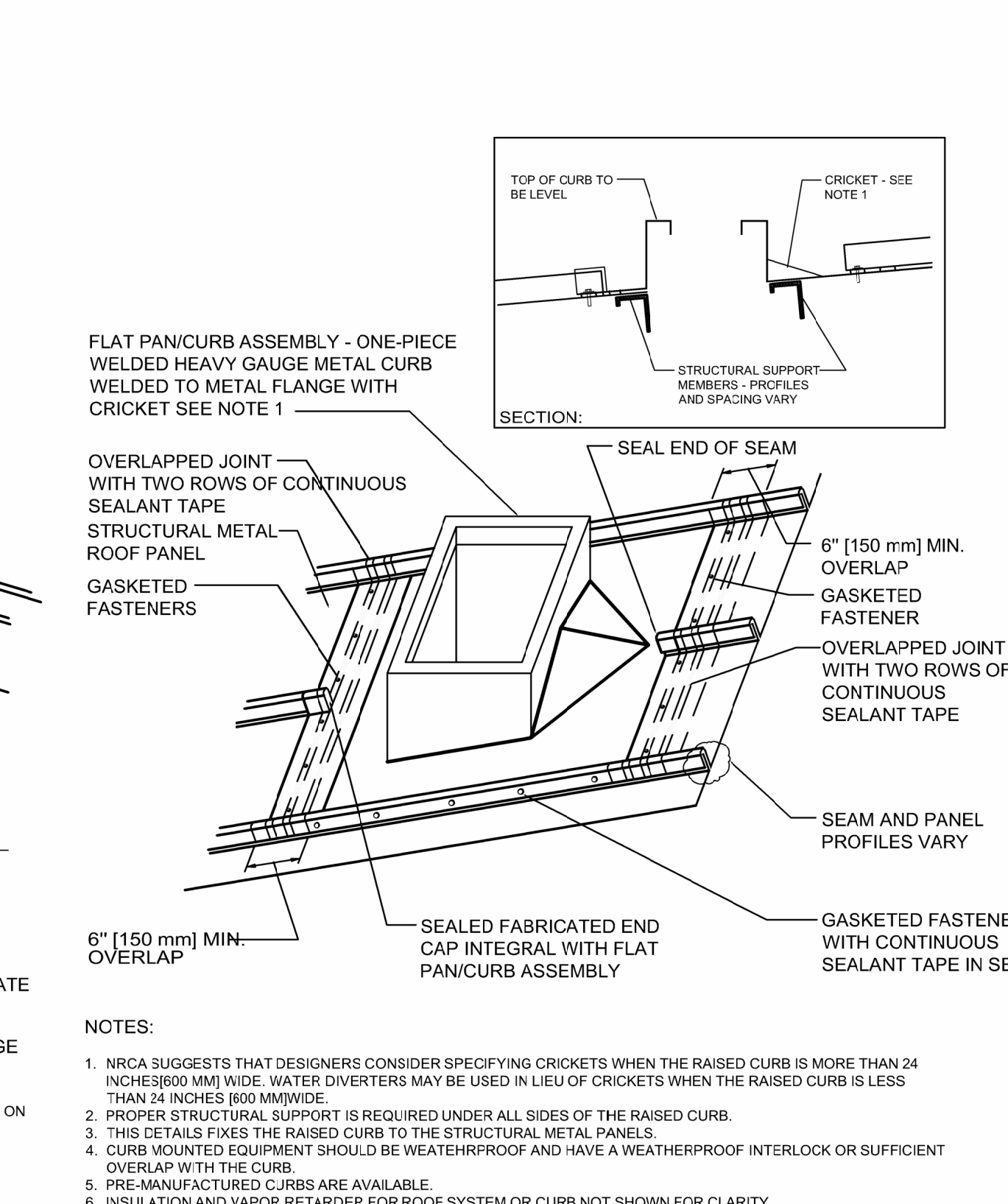
2 EAVE FLASHING / GUTTER DETAIL
NTS



3 RAKE EDGE DETAIL
NTS



4 RIDGE DETAIL
NTS



5 ROOF CURB DETAIL
NTS

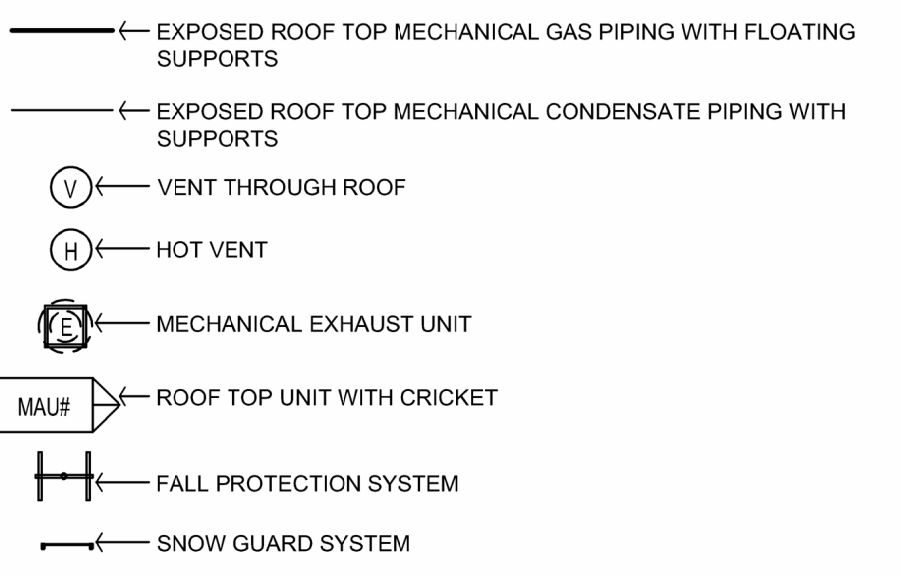
KEY NOTES

- PRE-ENGINEERED METAL BUILDING SHEET METAL STANDING SEAM (STRUCTURAL TRAPEZOIDAL PROFILE) ROOFING PANEL SYSTEM OVER THERMAL BLOCKS (R-5).
- SNOW GUARD SYSTEM (EXTEND FULL LENGTH OF ROOF) ATTACHED WITH ALUMINUM S-5 CLAMPS.
- PRE-ENGINEERED METAL BUILDING SHEET METAL GUTTER (TYPICAL). REFER TO DETAIL 2/A-102. SIZES BY P.E.M.B. MANUFACTURER.
- PRE-ENGINEERED METAL BUILDING SHEET METAL DOWNSPOUT (DS) SYSTEM. SIZES BY P.E.M.B. MANUFACTURER.
- FALL PROTECTION ANCHOR SYSTEM ATTACHED WITH ALUMINUM S-5 CLAMPS. INSTALL 2'-0" MIN FROM EDGE OF ROOF. CENTER BETWEEN METAL ROOF PANEL SEAMS AND SPACE EQUALLY. COORDINATE WITH PRE-ENGINEERED METAL ROOF SYSTEM MANUFACTURER FOR INSTALLATION.
- ROOF MOUNTED MECHANICAL EQUIPMENT ON PRE-ENGINEERED METAL BUILDING PREFABRICATED SHEET METAL (INSULATED) ROOF CURB. REFER DETAIL 5/A-102 AND MECHANICAL DRAWINGS FOR SIZES.
- PLUMBING VENT THRU ROOF (VTR). REFER TO 1/A-501 AND PLUMBING DRAWINGS FOR SIZES. CENTER BETWEEN ROOF PANEL SEAMS.
- PRE-ENGINEERED METAL BUILDING SHEET METAL RAKE EDGE FLASHING. REFER TO DETAIL 3/A-102.
- PRE-ENGINEERED METAL BUILDING SHEET METAL ROOF-TO-WALL (SIDEWALL) TRANSITION. REFER TO DETAILS 1/A-301.
- PRE-ENGINEERED METAL BUILDING SHEET METAL RIDGE CAP FLASHING - FIXED AT RIDGE. REFER TO DETAIL 4/A-102.
- MECHANICAL SYSTEM HOT VENT FLUE. REFER TO DETAIL 4/A-501 AND MECHANICAL DRAWINGS FOR TYPES AND SIZES.
- MECHANICAL SYSTEM SURFACE MOUNTED CONDENSATE DRAIN PIPING WITH SUPPORT FRAMING ATTACHED TO ROOF WITH ALUMINUM S-5 CLAMPS.
- GAS PIPING THRU ROOF. REFER TO 1/A-501 AND PLUMBING DRAWINGS FOR SIZES. CENTER BETWEEN PANEL SEAMS.

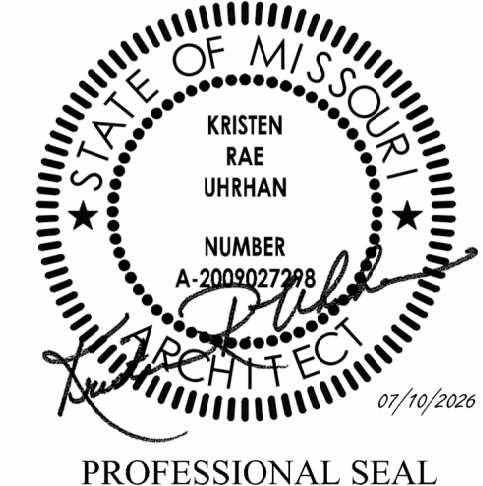
GENERAL NOTES

- REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- REFER TO PRE-ENGINEERED METAL BUILDING SUBMITTALS FOR ADDITIONAL REQUIREMENTS. ALL ROOF CURBS AND PENETRATIONS WIDER THAN ROOF PANEL RIB SPACING SHALL BE PROVIDED BY PRE-ENGINEERED METAL BUILDING MANUFACTURER. ROOF CURBS TO BE INSULATED SHEET METAL (FINISH TO MATCH ROOF COLOR) WITH LEVEL TOPS. UNITS WITH UP SLOPE DIMENSION MORE THAN 12" WIDE TO BE PROVIDED WITH INTEGRAL WATER DIVERTER CRICKETS. FABRICATED SHEET METAL ASSEMBLIES TO BE PROVIDED WELDED WATERTIGHT SEAMS. ALL ROOF PENETRATION FABRICATIONS WIDER THAN PANEL RIB SPACING TO BE PROVIDED WITH RIB FLANGE PROFILE FOR INTEGRAL ROOF SEAMING.
- REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ALL ROOF-MOUNTED EQUIPMENT SIZES AND TYPES, INCLUDING VENT PIPES, FLUES, AND EXHAUST. ALL PIPE FLASHING PENETRATIONS THROUGH ROOF SHALL BE TYPE APPROVED BY PRE-ENGINEERED METAL BUILDING MANUFACTURER WITH SHEET METAL FINISHES TO MATCH ROOF PANEL. PENETRATIONS WITH DIAMETER LESS THAN SPACING OF ROOF PANEL RIBS SHALL PENETRATE IN THE CENTER OF THE ROOF PANEL.
- ALL SUPPORTS FOR EXPOSED ROOF MOUNTED PIPING, CONDUIT, FALL PROTECTION DEVICES, SNOW GUARDS, ETC. TO BE MOUNTED ON PRE-MANUFACTURED ALUMINUM S-5 CLAMPS ATTACHED TO TOP OF PRE-ENGINEERED METAL BUILDING ROOF SEAMS. ALL FRAMING, SUPPORTS, AND FASTENERS SHALL BE NON-CORROSIVE MATERIAL TYPES. EXPOSED FINISHES TO MATCH ROOF COLOR, UNLESS OTHERWISE INDICATED.
- ALL ROOF PENETRATIONS TO BE 3'-6" MINIMUM FROM ROOF EDGE PERIMETERS AND VALLEYS.
- SHEET METAL CONSTRUCTION SHALL COMPLY WITH SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA) DESIGN STANDARDS AND RECOMMENDATIONS.
- ROOFING CONSTRUCTION SHALL COMPLY WITH NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA) DESIGN STANDARDS AND RECOMMENDATIONS.
- REFER TO EXTERIOR FINISH SCHEDULE FOR ADDITIONAL REQUIREMENTS.

SYMBOLS LEGEND



STATE OF MISSOURI
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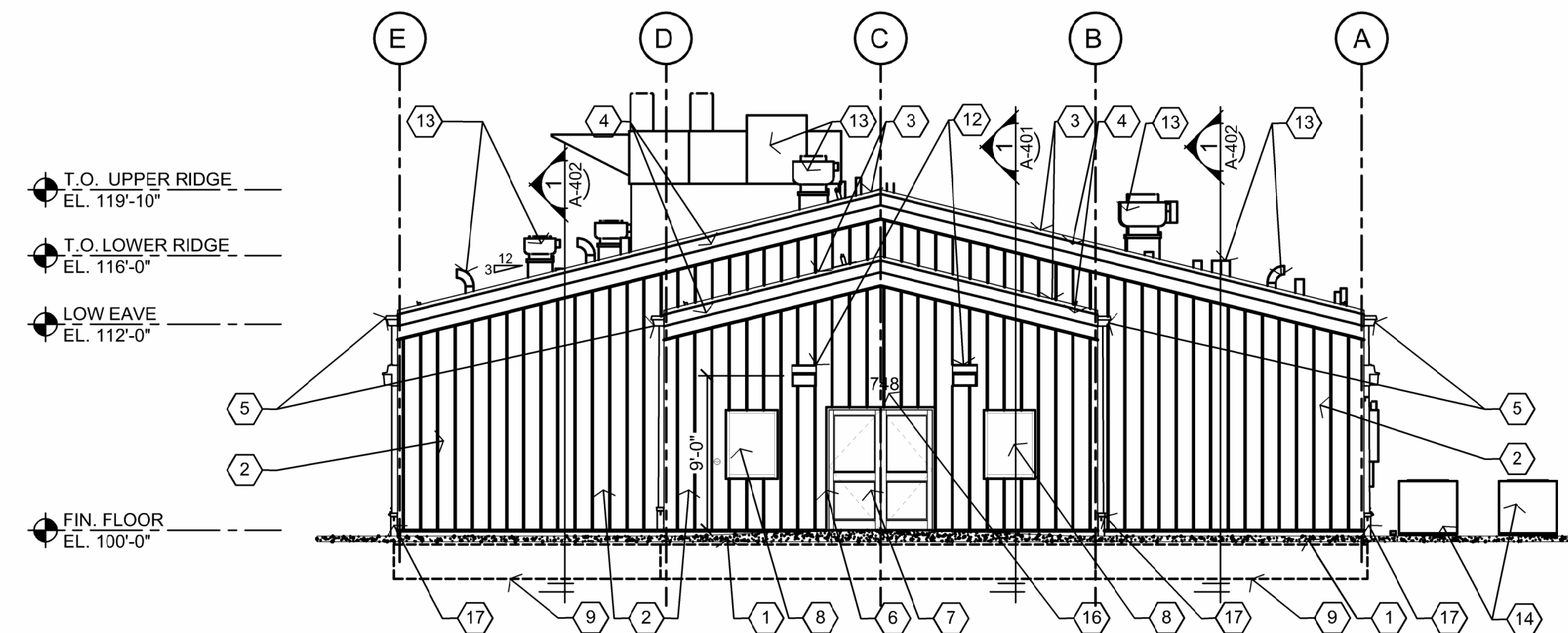
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DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: JULY 10, 2026

CAD DWG FILE: A-102.DWG
DRAWN BY: BB
CHECKED BY: KU
DESIGNED BY: KU

SHEET TITLE:
ROOF PLAN, SYMBOL
LEGEND AND DETAILS

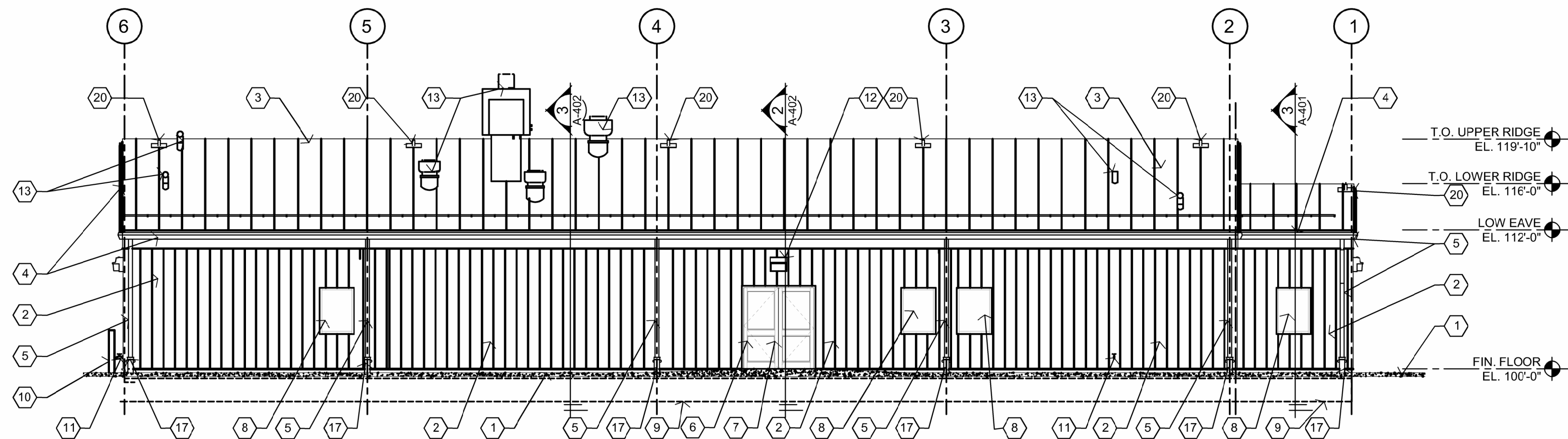
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A-102



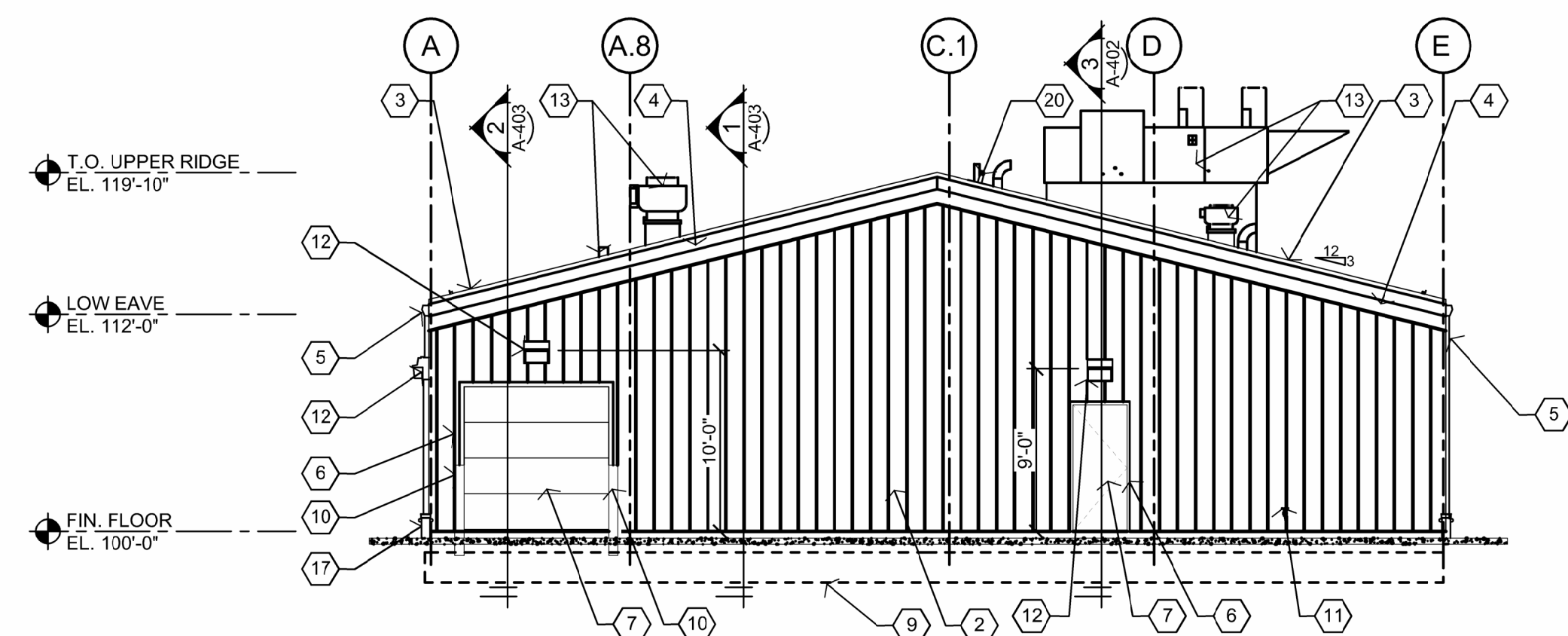
1 SOUTH ELEVATION

1/8" = 1'-0"



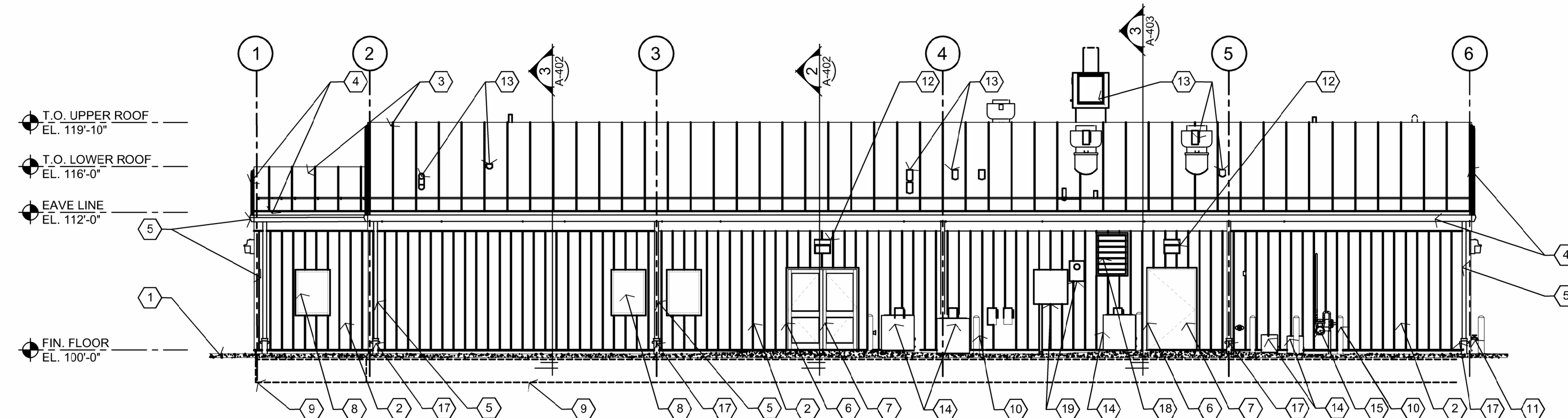
2 WEST ELEVATION

1/8" = 1'-0"



3 NORTH ELEVATION

1/8" = 1'-0"



4 EAST ELEVATION

1/8" = 1'-0"

EXTERIOR FINISH SCHEDULE

PRE-ENGINEERED METAL BUILDING SYSTEMS

KEY NOTE NO. 2:

TYPE: EXTERIOR WALL PANEL SYSTEM
MANUFACTURER: BUTLER OR EQUAL (BASIS FOR DESIGN)
SERIES: BUTLER RIB II WALL SYSTEM
FINISH: PRE-FINISHED
COLOR: COOL IVORY WHITE

KEY NOTE NO. 3:

TYPE: STANDING SEAM, TRAPEZOIDAL RIB
MANUFACTURER: BUTLER OR EQUAL (BASIS FOR DESIGN)
SERIES: MR-24
FINISH: PRE-FINISHED
COLOR: COOL HARVEST

KEY NOTE NO. 4:

TYPE: SHEET METAL FLASHING, FASCIA, OR TRIM
MANUFACTURER: BUTLER OR EQUAL (BASIS FOR DESIGN)
FINISH: PRE-FINISHED
COLOR: COOL HARVEST

KEY NOTE NO. 5:

TYPE: SHEET METAL GUTTER AND DOWNSPOUT SYSTEM
MANUFACTURER: BUTLER OR EQUAL (BASIS FOR DESIGN)
FINISH: PRE-FINISHED
COLOR: COOL HARVEST

KEY NOTE NO. 6:

TYPE: DOOR TRIM
MANUFACTURER: BUTLER OR EQUAL (BASIS FOR DESIGN)
FINISH: PRE-FINISHED
COLOR: COOL IVORY WHITE

OPENINGS

KEY NOTE NO. 7:

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

KEY NOTE NO. 8:

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

PAINTING

KEY NOTE NO. 10:

TYPE: STEEL BOLLARD (REFER TO CIVIL DRAWINGS)
FINISH: FIELD PRIMED AND PAINTED
COLOR: DARK BRONZE (MATCH ALUMINUM ENTRANCES AND STOREFRONTS)

ELECTRICAL LIGHTING

KEY NOTE NO. 12:

MFG: (REFER ELECTRICAL DRAWINGS)
FINISH: DARK BRONZE

MECHANICAL WALL PENETRATIONS

KEY NOTE NO. 18:

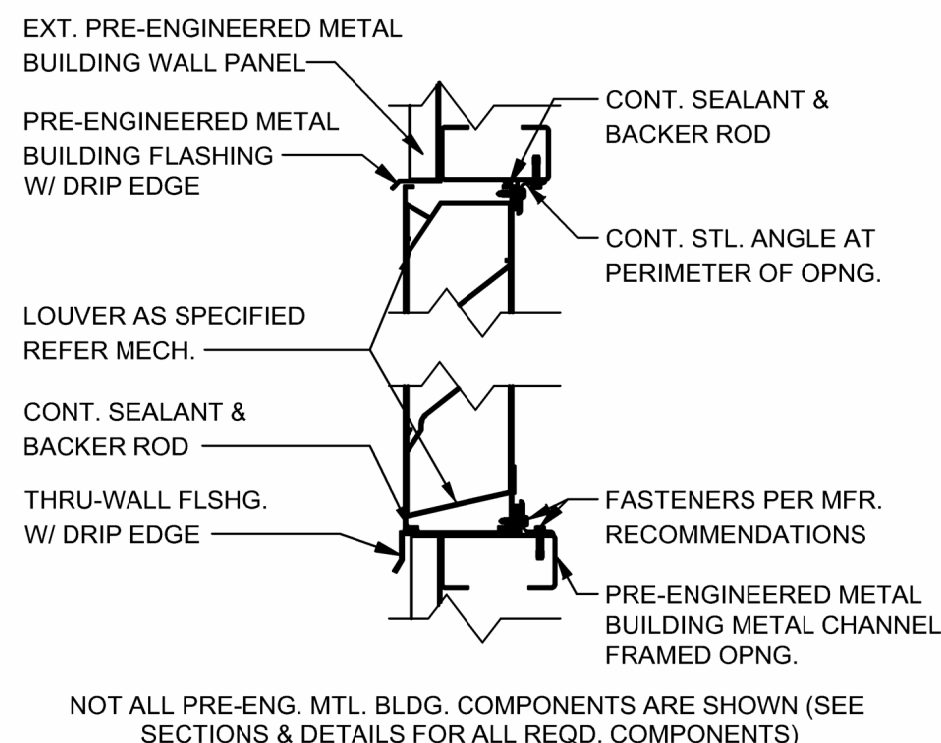
MFG: (REFER TO MECHANICAL DRAWINGS)
FINISH: DARK BRONZE (MATCH ALUMINUM ENTRANCES AND STOREFRONTS)

GENERAL NOTES

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

KEY NOTES

- (1) CAST IN PLACE CONCRETE SLABS OR SIDEWALKS, REFER TO CIVIL DRAWINGS.
(2) PRE-ENGINEERED METAL BUILDING EXTERIOR WALL PANEL SYSTEM.
(3) PRE-ENGINEERED BUILDING SHEET METAL ROOFING SYSTEM.
(4) PRE-ENGINEERED METAL BUILDINGS SHEET METAL FLASHING, FASCIA, CLOSURE, OR TRIM.
(5) PRE-ENGINEERED METAL BUILDING SHEET METAL GUTTER AND DOWNSPOUT SYSTEM. REFER TO ROOF PLAN
(6) PRE-ENGINEERED METAL BUILDING SHEET METAL OPENING TRIM.
(7) EXTERIOR DOOR AND FRAME SYSTEM, REFER TO FLOOR PLAN AND DOOR SCHEDULE FOR TYPE.
(8) EXTERIOR WINDOW SYSTEM, REFER TO FLOOR PLAN AND WINDOW SCHEDULE FOR TYPES.
(9) APPROXIMATE LINE OF FOUNDATION, REFER TO STRUCTURAL DRAWINGS.
(10) STEEL BOLLARD, REFER TO CIVIL DRAWINGS.
(11) HOSE BIB, REFER TO PLUMBING DRAWINGS.
(12) LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS.
(13) MECHANICAL/PLUMBING ROOF MOUNTED EQUIPMENT OR ROOF PENETRATIONS, REFER TO ROOF PLAN.
(14) MECHANICAL CONDENSING UNITS, REFER TO MECHANICAL DRAWINGS.
(15) GAS METER - REFER TO PLUMBING DRAWINGS.
(16) BUILDING ADDRESS IDENTIFICATION NUMBER "T.B.D." SIGN IN 6" HIGH HELVETICA BOLD CHARACTERS ATTACHED TO THE BUILDING.
(17) DOWNSPOUT COLLECTION SYSTEM, REFER TO CIVIL DRAWINGS.
(18) MECHANICAL WALL PENETRATION, REFER TO MECHANICAL DRAWINGS AND DETAIL 5/A-201. PROVIDE FRAMING, FLASHING, ANCHORS AND SEALANT AS REQUIRED FOR COMPLETE INSTALLATION.
(19) ELECTRICAL METER, REFER TO ELECTRICAL DRAWINGS.
(20) FALL PROTECTION ANCHORS. REFER TO ROOF PLAN.

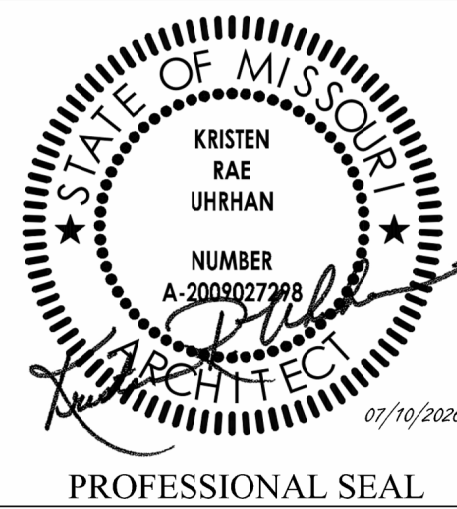


NOT ALL PRE-ENG. MTL. BLDG. COMPONENTS ARE SHOWN (SEE SECTIONS & DETAILS FOR ALL REQD. COMPONENTS)

5 LOUVER DETAIL

1" = 1'-0"

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WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT # T2232-01
SITE # 6325
ASSET # 8136325016

REVISION: _____
DATE: _____
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DATE: _____
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DATE: _____
ISSUE DATE: JULY 10, 2026

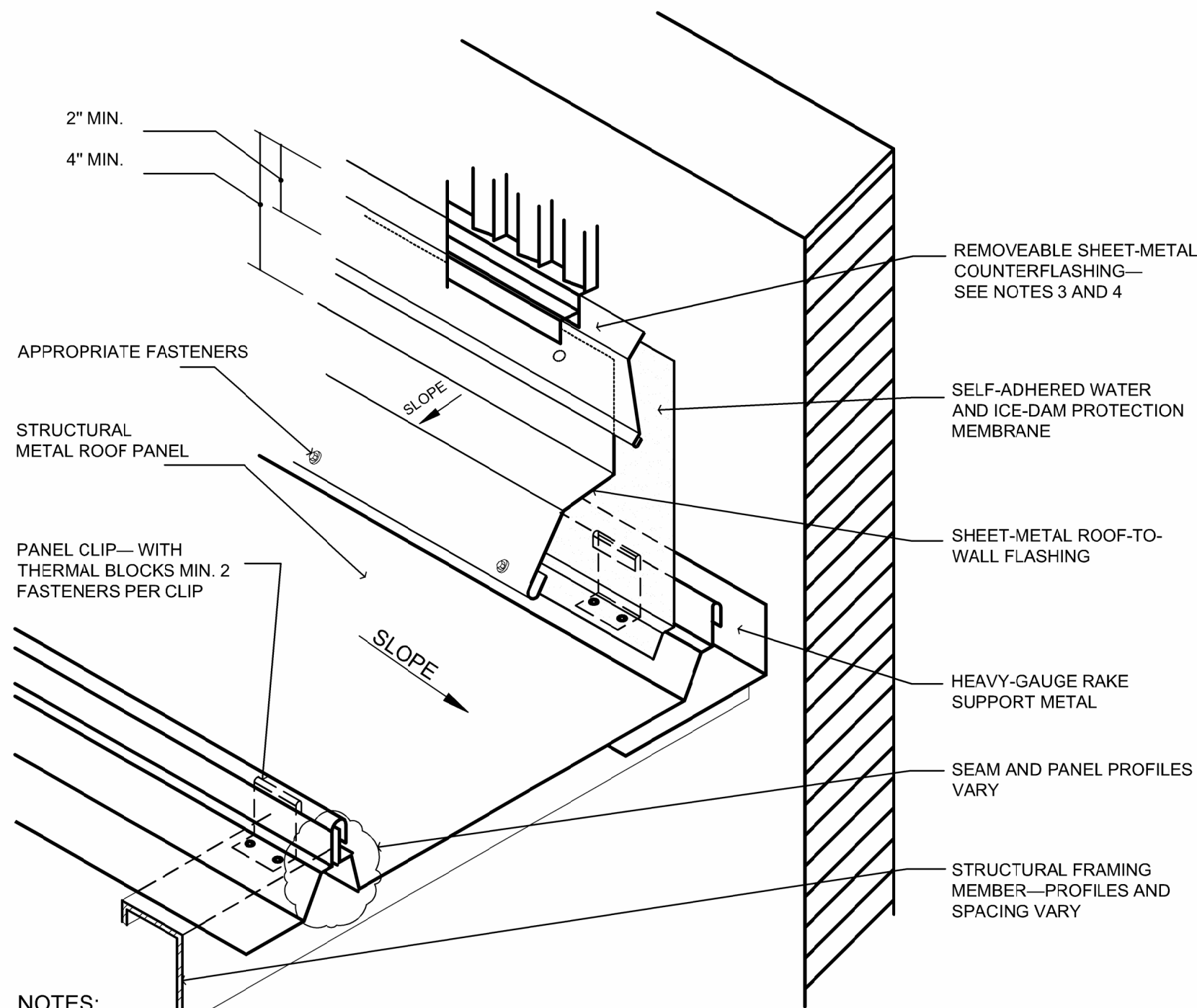
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DRAWN BY: BB
CHECKED BY: KU
DESIGNED BY: KU

SHEET TITLE:
EXTERIOR
ELEVATIONS AND
DETAIL

SHEET NUMBER:

A-201

11 OF 41 SHEETS

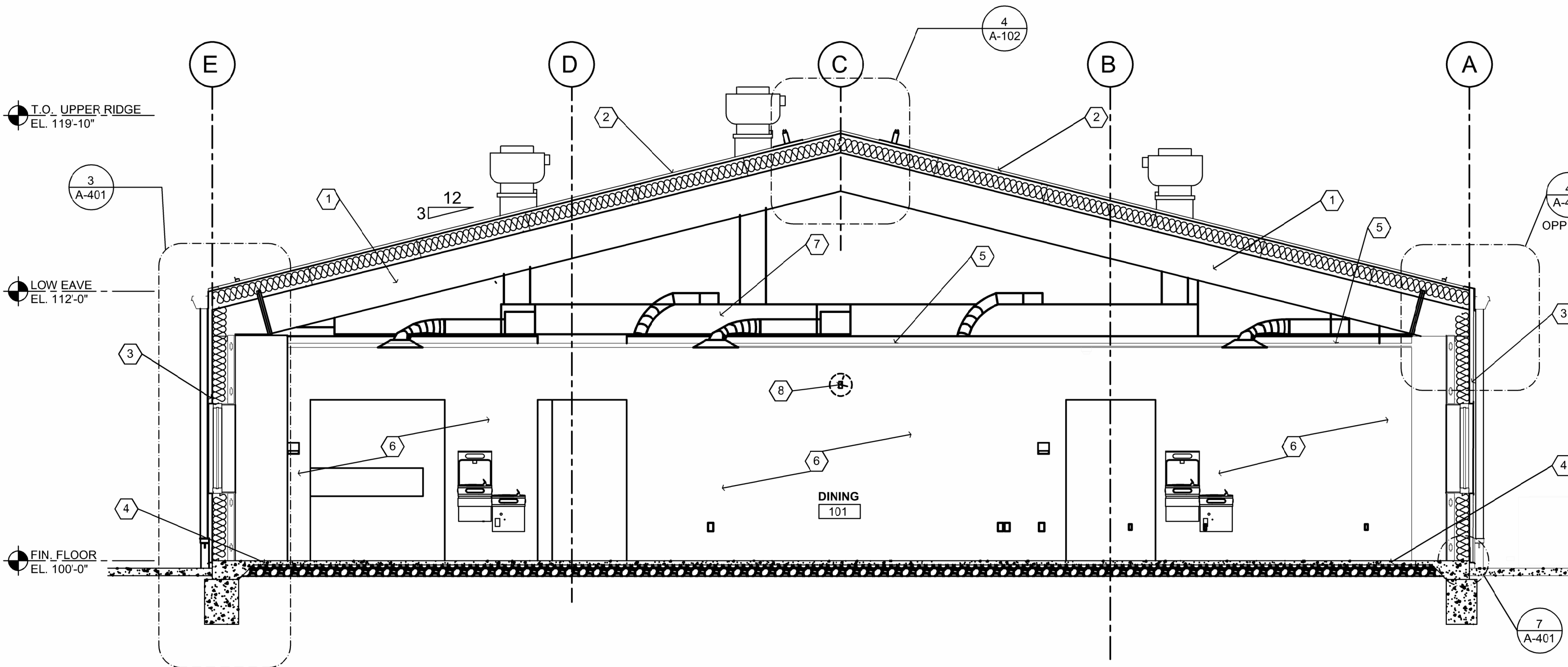


- NOTES:
1. SPECIFIC FASTENING AND STRUCTURAL REQUIREMENTS ARE NOT INDICATED AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING ON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE, BUILDING CODE AND WALL CONSTRUCTION.
 2. INSULATION, VAPOR RETARDER AND THERMAL BLOCKS FOR ROOF SYSTEM ARE NOT SHOWN FOR CLARITY.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

ROOF-TO-WALL (SIDEWALL) TRANSITION—STARTER PANEL

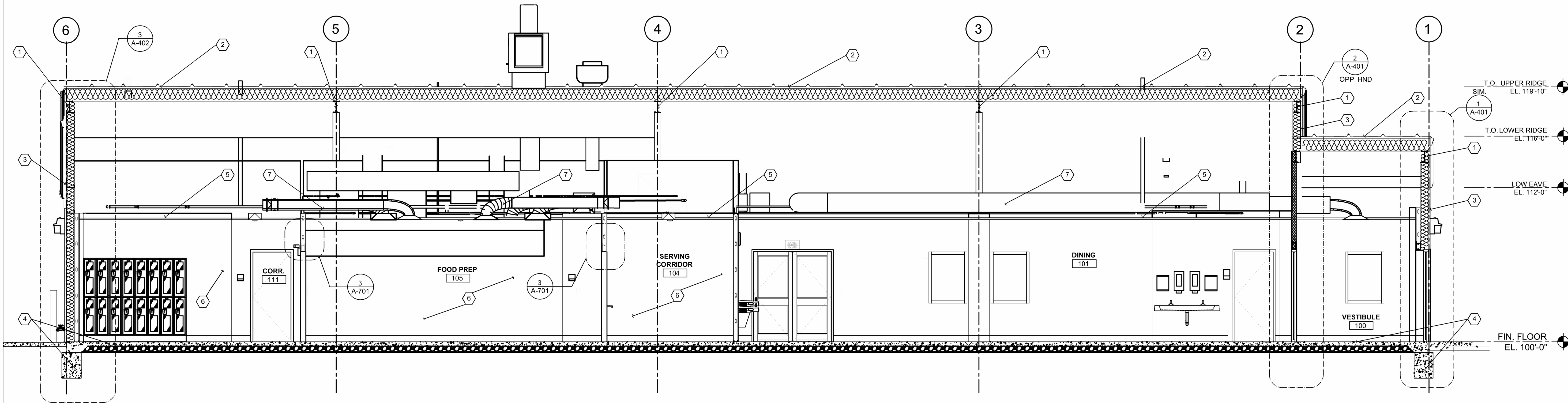
1 ROOF / WALL DETAIL

NTS



2 BUILDING SECTION

1/4" = 1'-0"



3 LONGITUDINAL SECTION

1/4" = 1'-0"

KEY NOTES

- 1 PRE-ENGINEERED METAL BUILDING PRIMARY AND SECONDARY STRUCTURAL, REFER TO WALL SECTIONS AND SUBMITTALS.
- 2 PRE-ENGINEERED ROOF SYSTEM, REFER TO ROOF PLAN AND SUBMITTALS.
- 3 PRE-ENGINEERED METAL BUILDING WALL PANEL SYSTEM, REFER TO WALL SECTIONS AND SUBMITTALS.
- 4 CONCRETE SLAB ON GRADE AND FOOTINGS, REFER TO STRUCTURAL DRAWINGS.
- 5 SUSPENDED ACOUSTICAL CEILING SYSTEM, REFER TO REFLECTED CEILING PLAN
- 6 INTERIOR PARTITIONS, REFER TO FLOOR PLANS.
- 7 SUSPENDED HVAC DUCT WORK, REFER TO MECHANICAL DRAWINGS.
- 8 JUNCTION BOX FOR OWNER FURNISHED/CONTRACTOR INSTALLED ELECTRIC WALL CLOCK, REFER TO ELECTRICAL DRAWINGS AND ACCESSORIES MOUNTING SCHEDULE ON SHEET A-404.

GENERAL NOTES

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

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CAD DWG FILE: A-201.DWG
DRAWN BY: BB
CHECKED BY: KU
DESIGNED BY: KU

SHEET TITLE:
BUILDING SECTIONS
AND DETAIL

SHEET NUMBER:

A-301

12 OF 41 SHEETS



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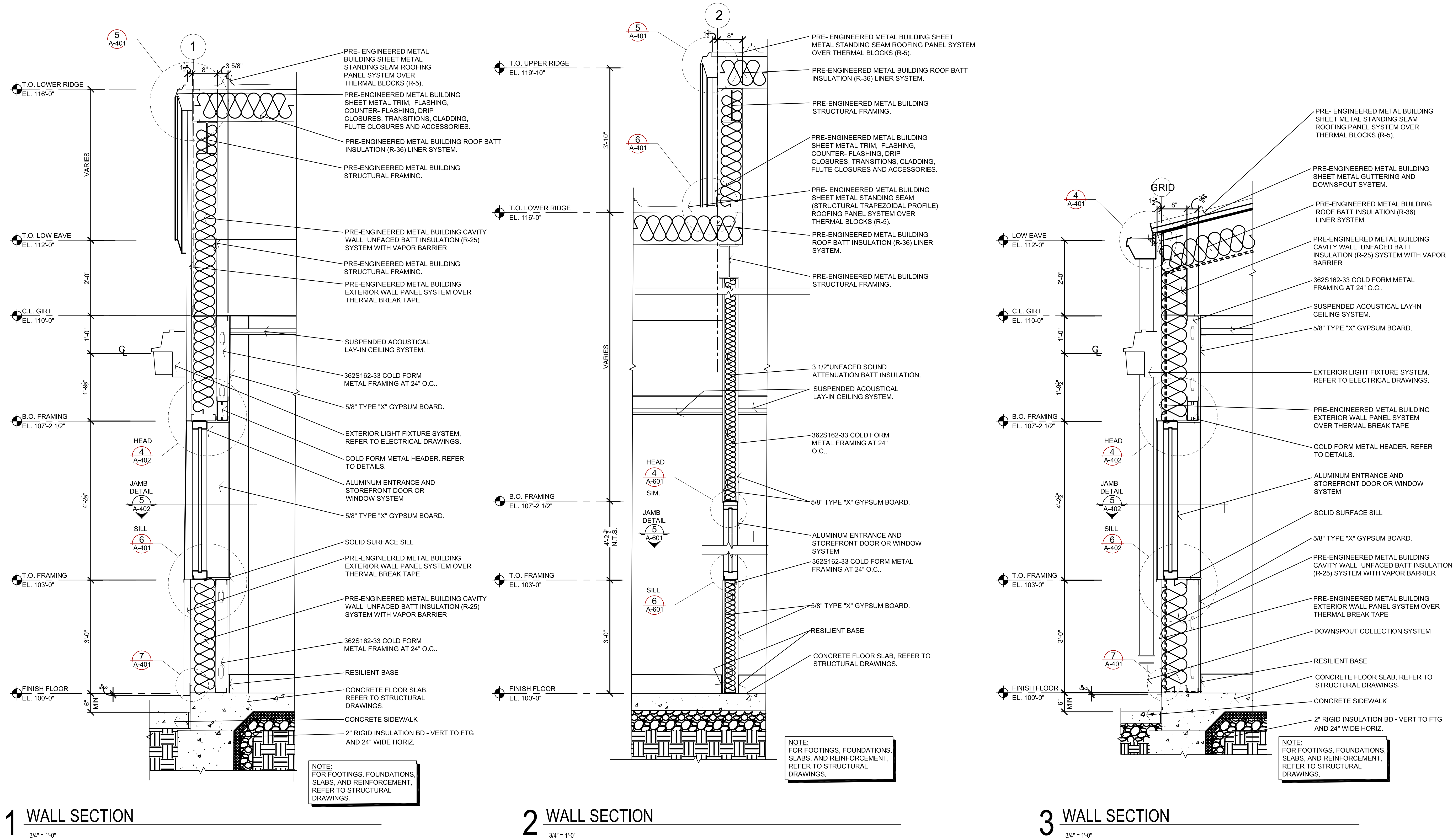
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DRAWN BY: BB
CHECKED BY: KU
DESIGNED BY: KU

SHEET TITLE:
WALL SECTIONS AND
DETAILS

SHEET NUMBER:

A-401

13 OF 41 SHEETS



1 WALL SECTION

2 WALL SECTION

3 WALL SECTION

NOTE:
FOR ADDITIONAL REQUIREMENTS,
REFER, **2**
A-102

NOTE:
FOR ADDITIONAL REQUIREMENTS,
REFER, **3**
A-102

NOTE:
FOR ADDITIONAL REQUIREMENTS,
REFER, **1**
A-301

4 EAVE DETAIL

5 RAKE DETAIL

6 ROOF / WALL DETAIL

7 WALL BASE DETAIL



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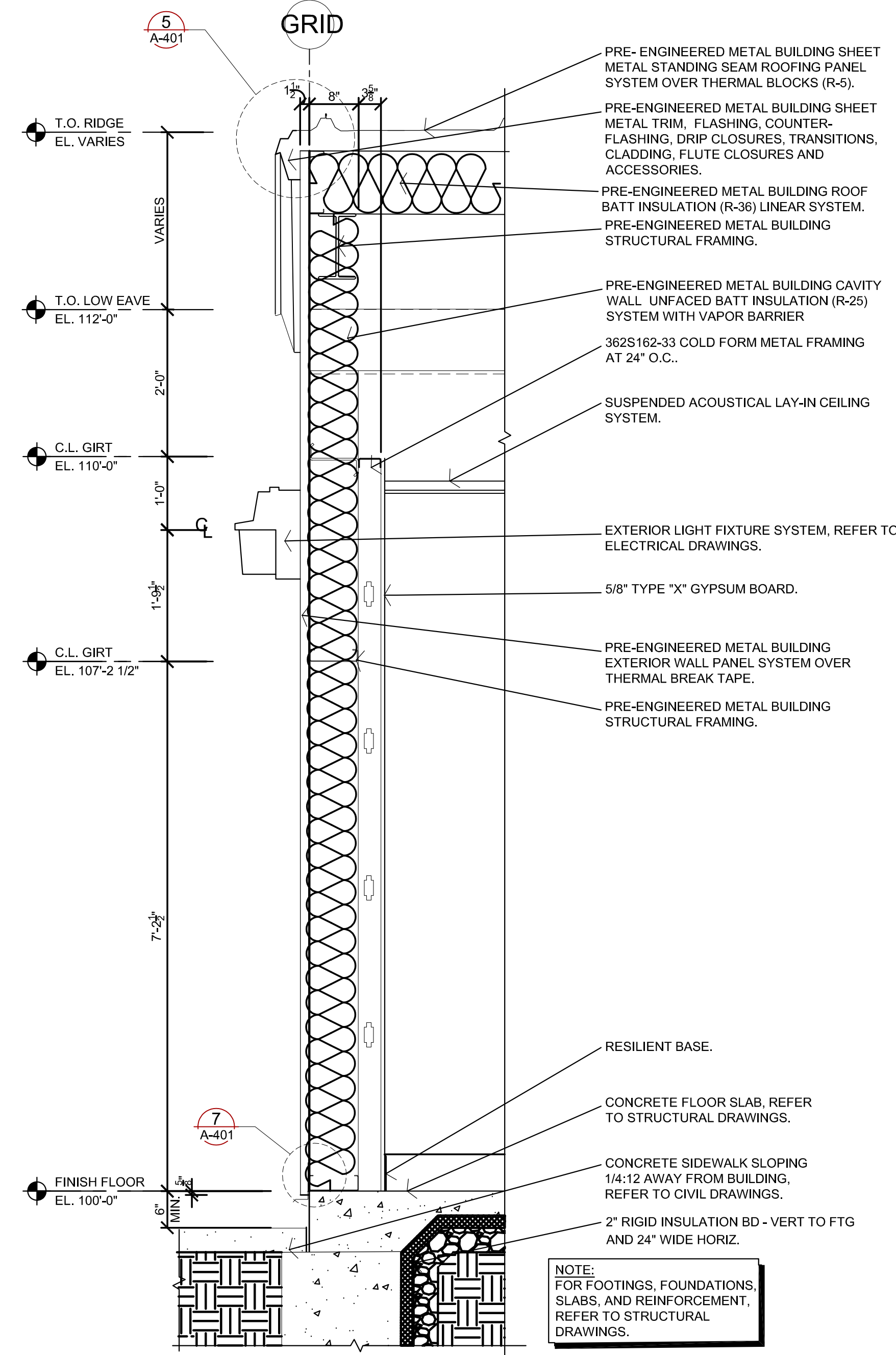
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SHEET TITLE:
**WALL SECTIONS AND
WINDOW DETAILS**

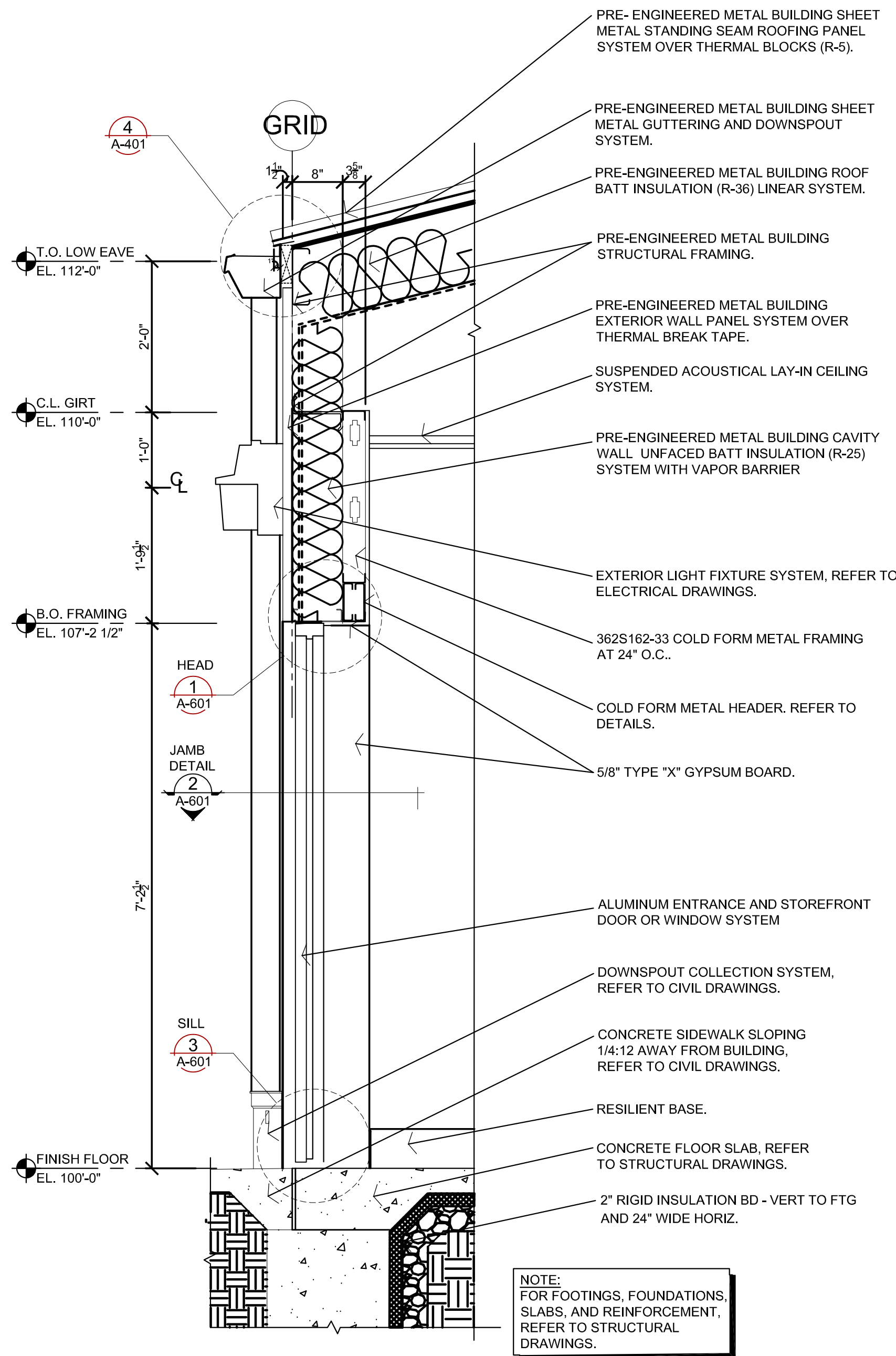
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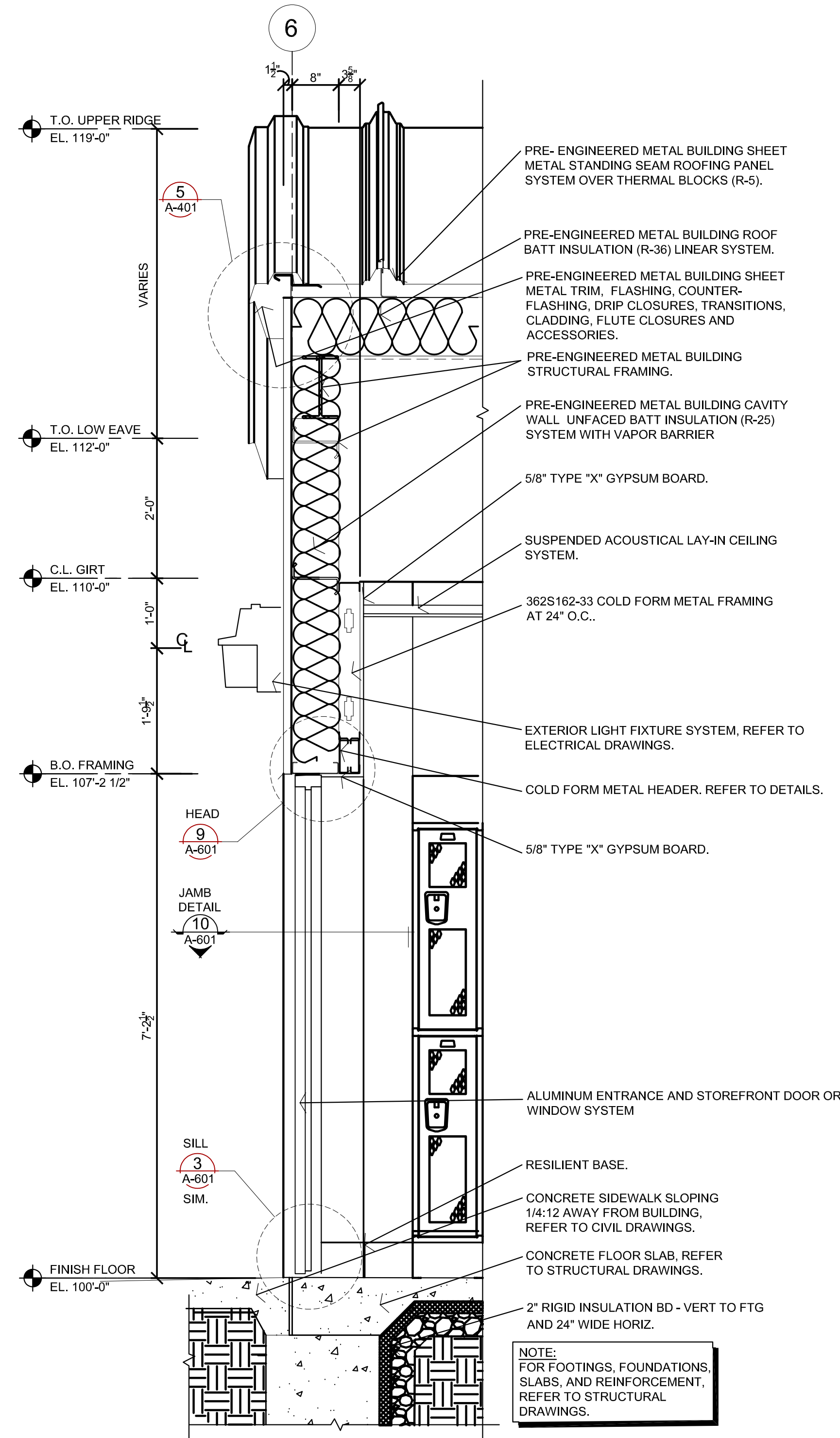
14 OF 41 SHEETS



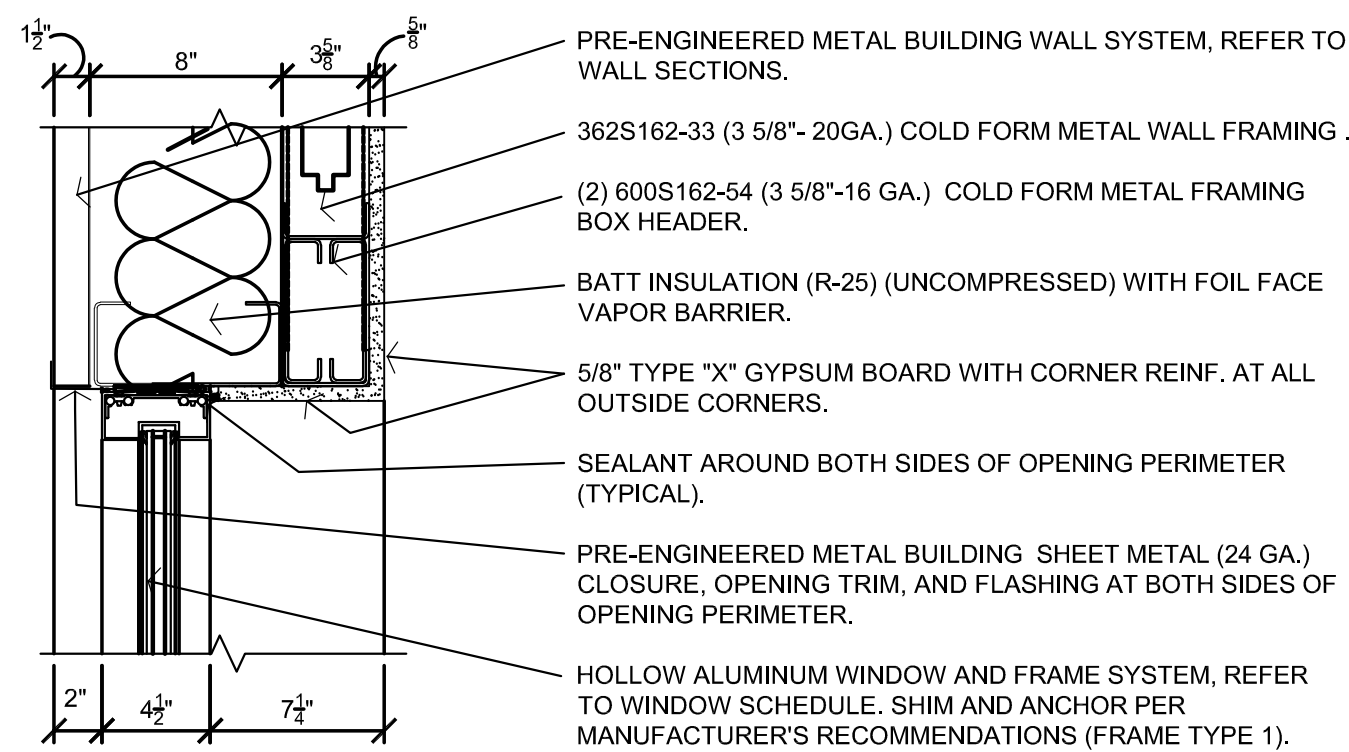
1 WALL SECTION
3/4" = 1'-0"



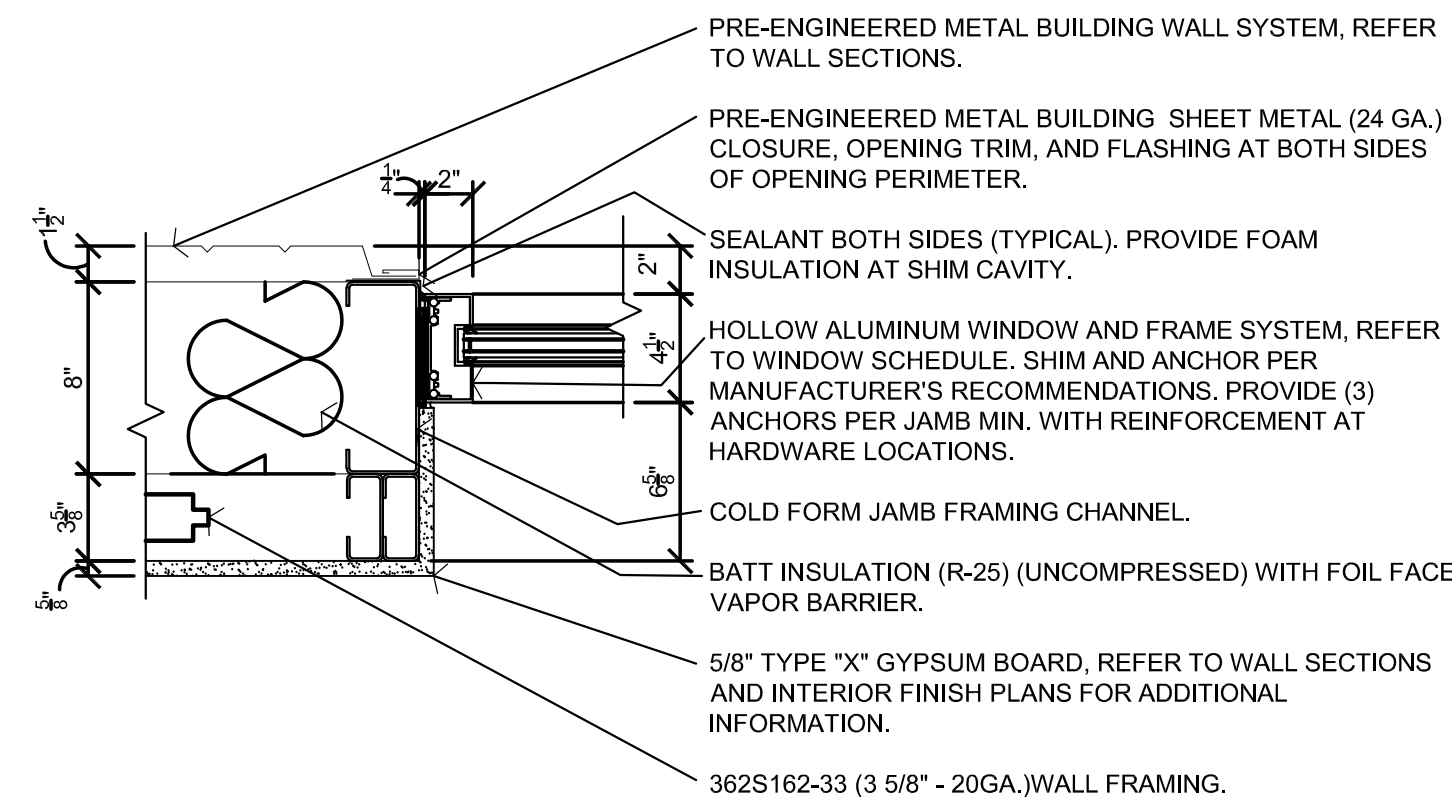
2 WALL SECTION
3/4" = 1'-0"



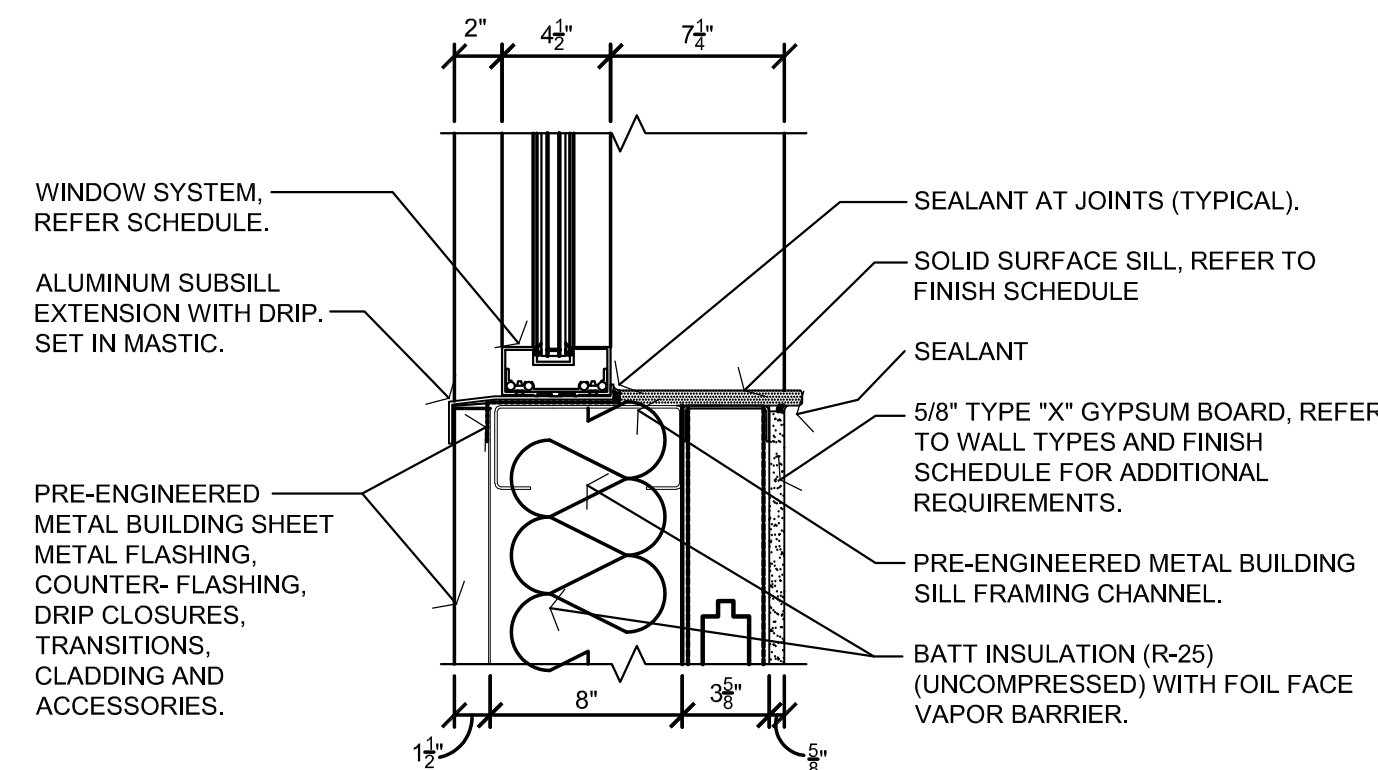
3 WALL SECTION
3/4" = 1'-0"



4 WINDOW HEAD DETAIL
1 1/2" = 1'-0"



5 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



6 WINDOW SILL DETAIL
1 1/2" = 1'-0"



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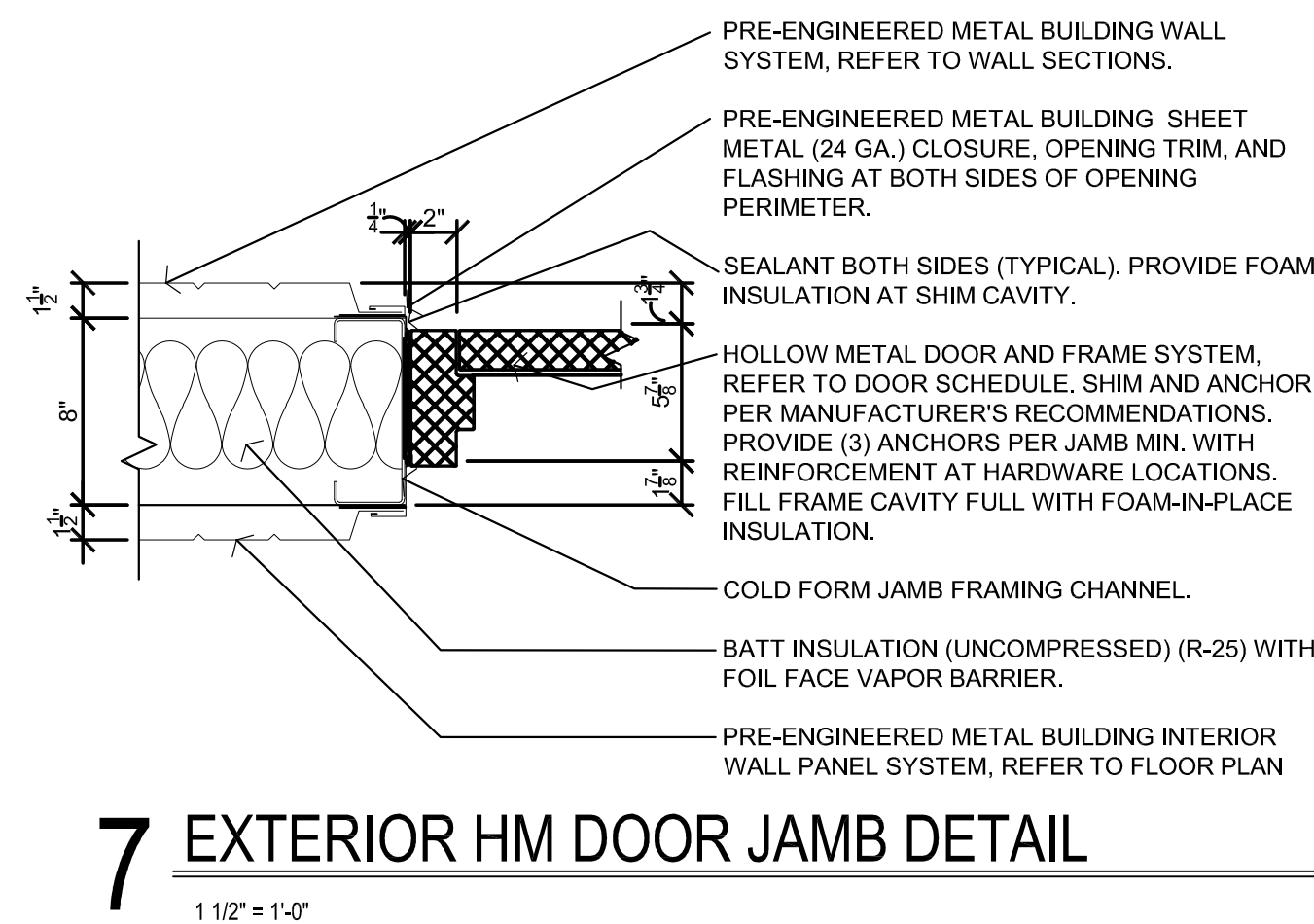
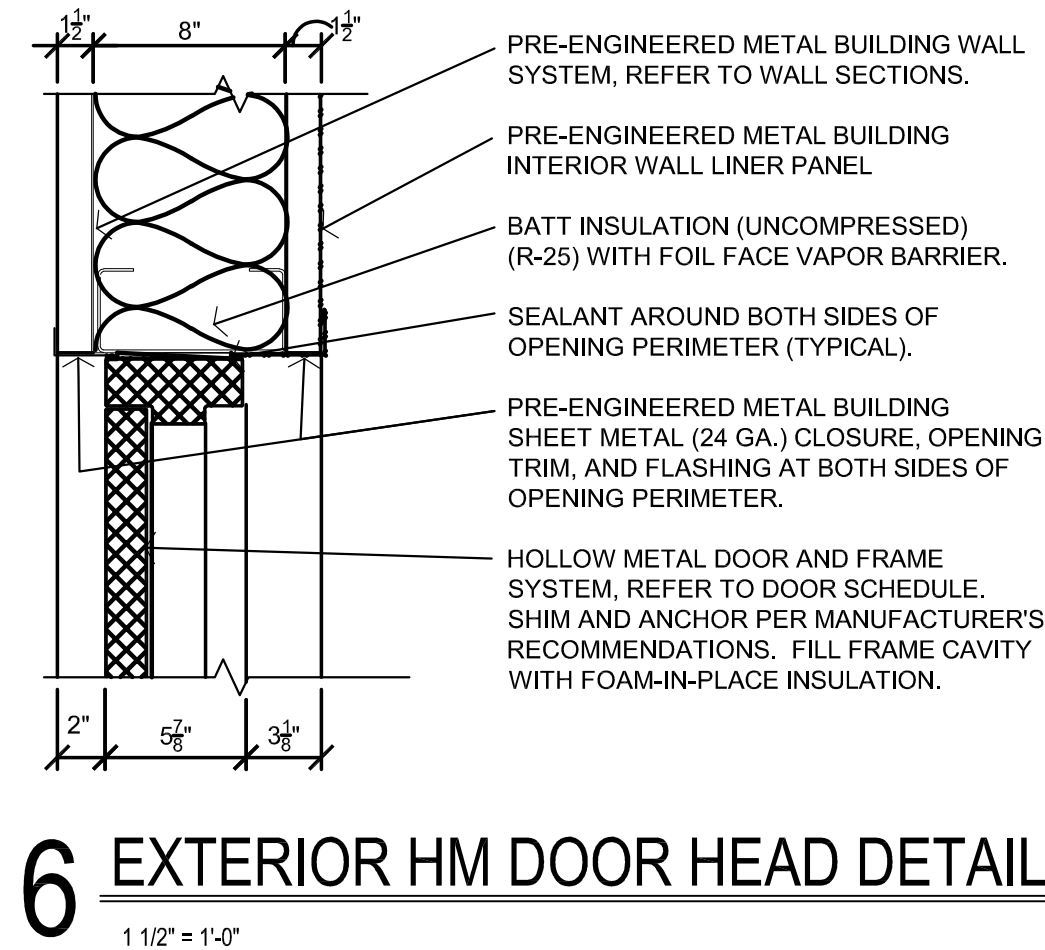
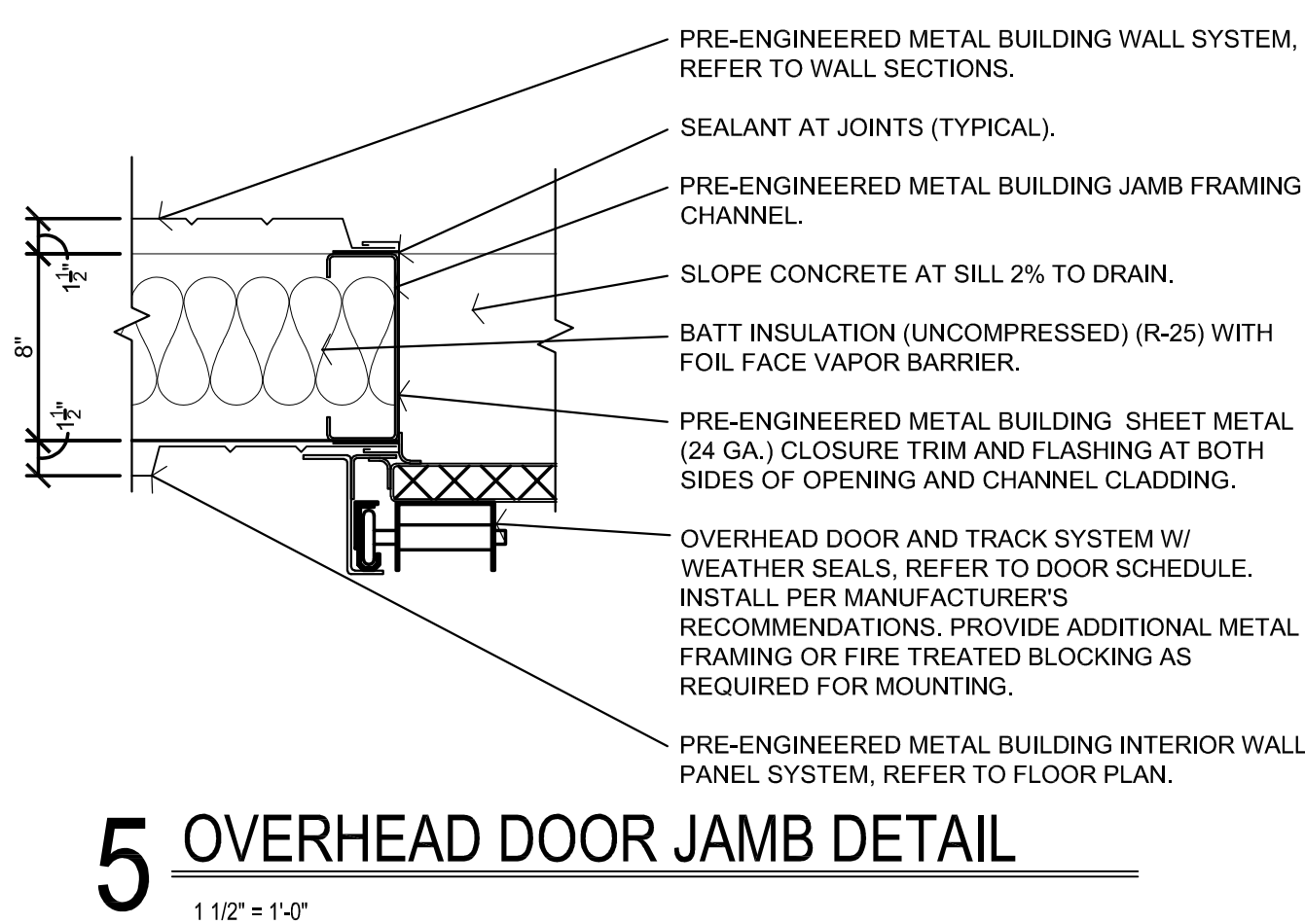
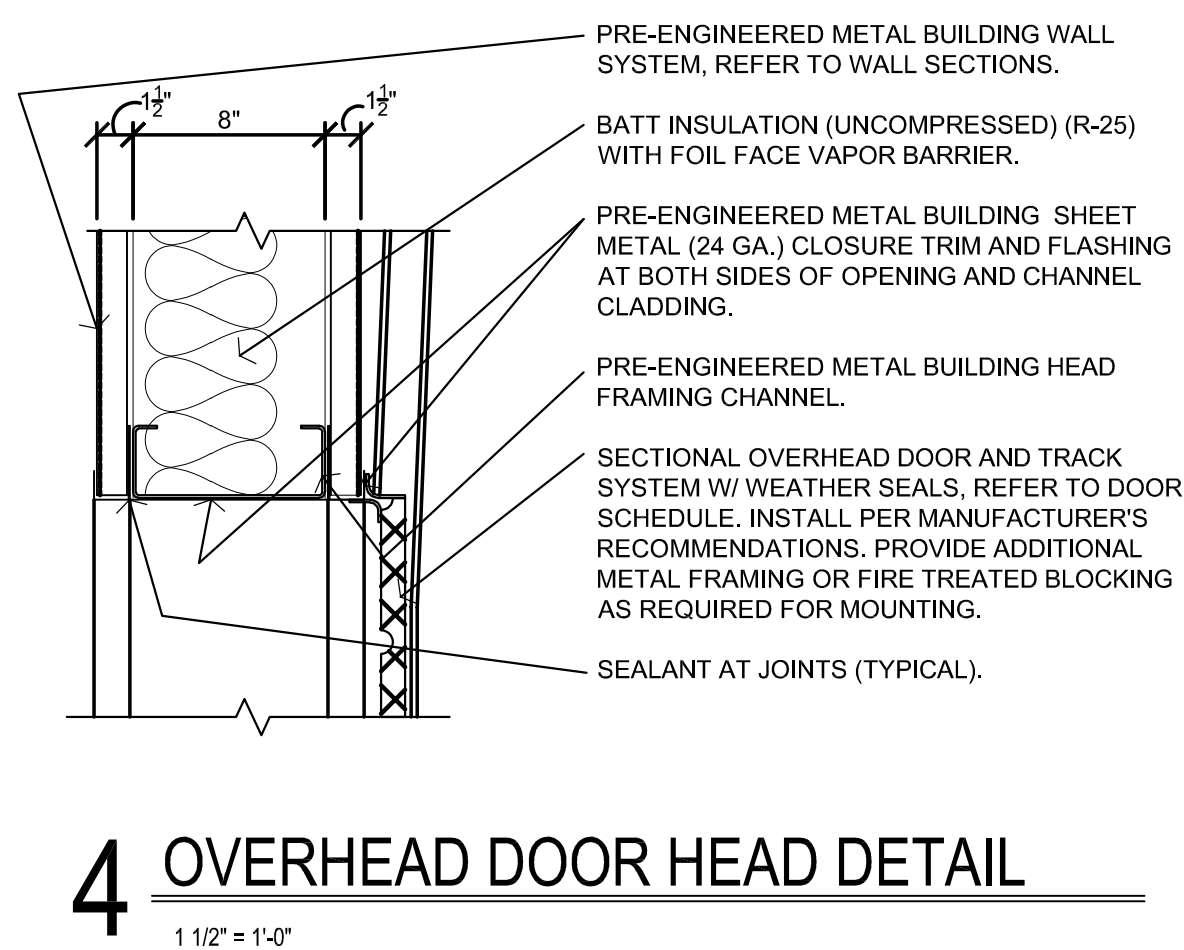
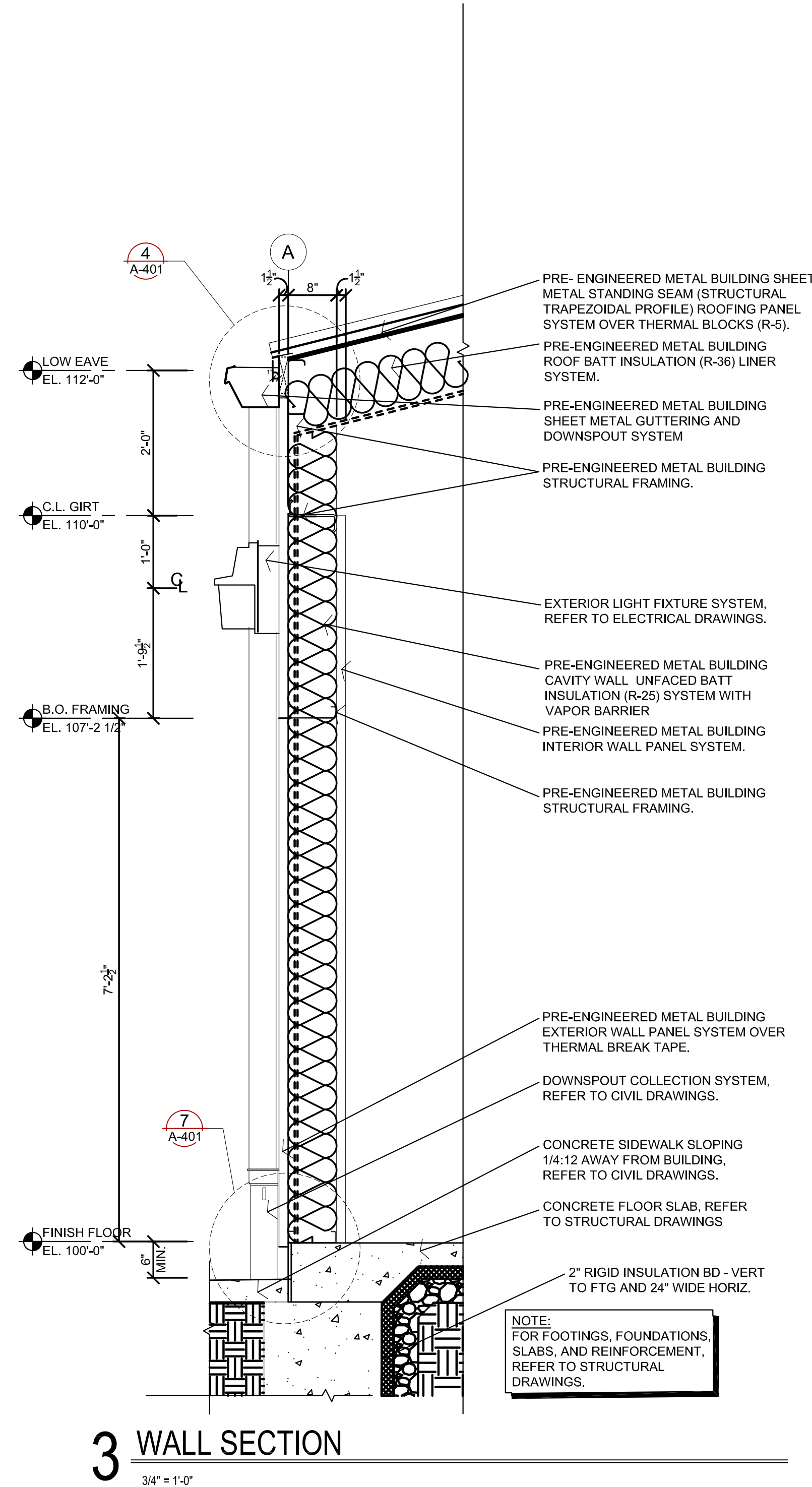
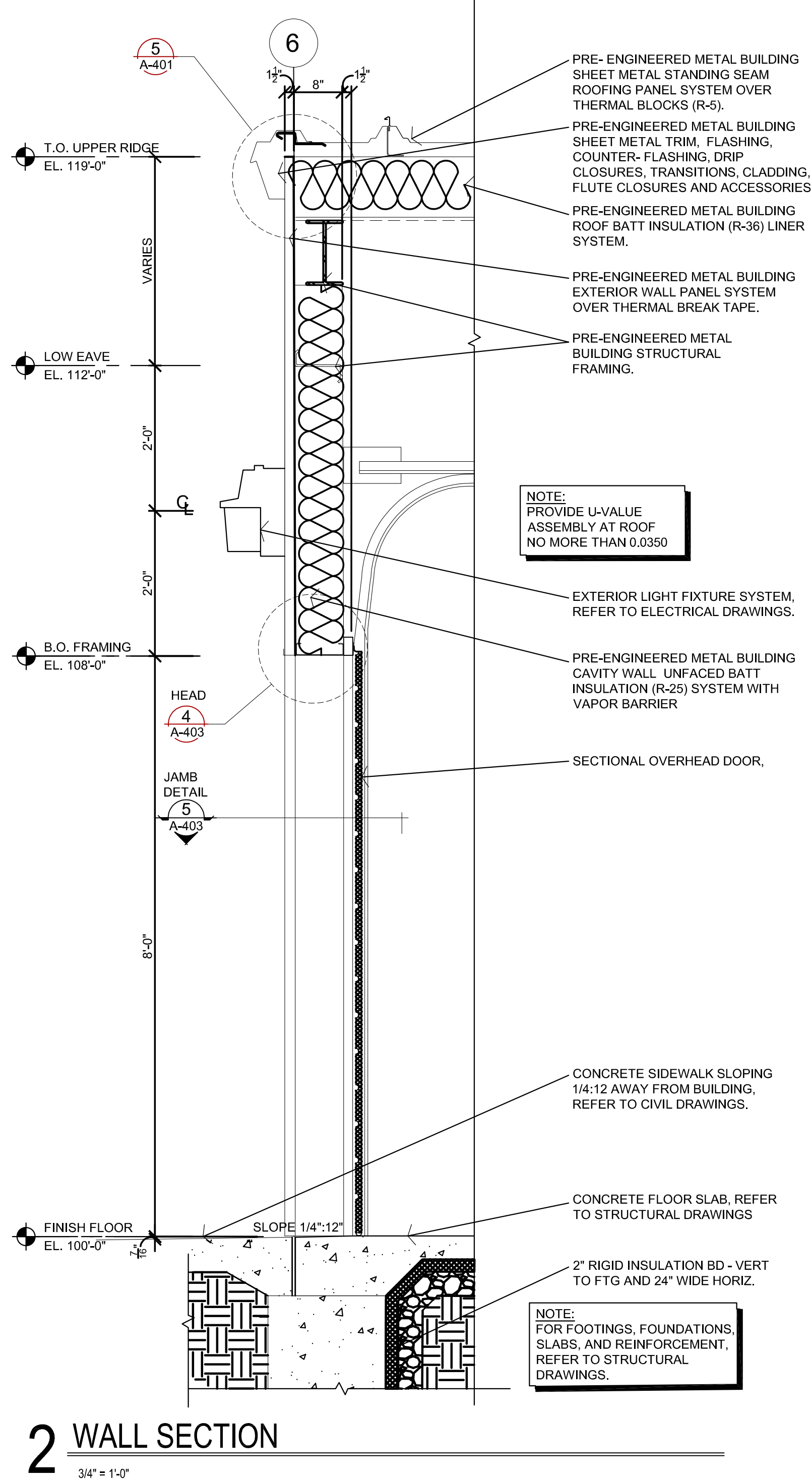
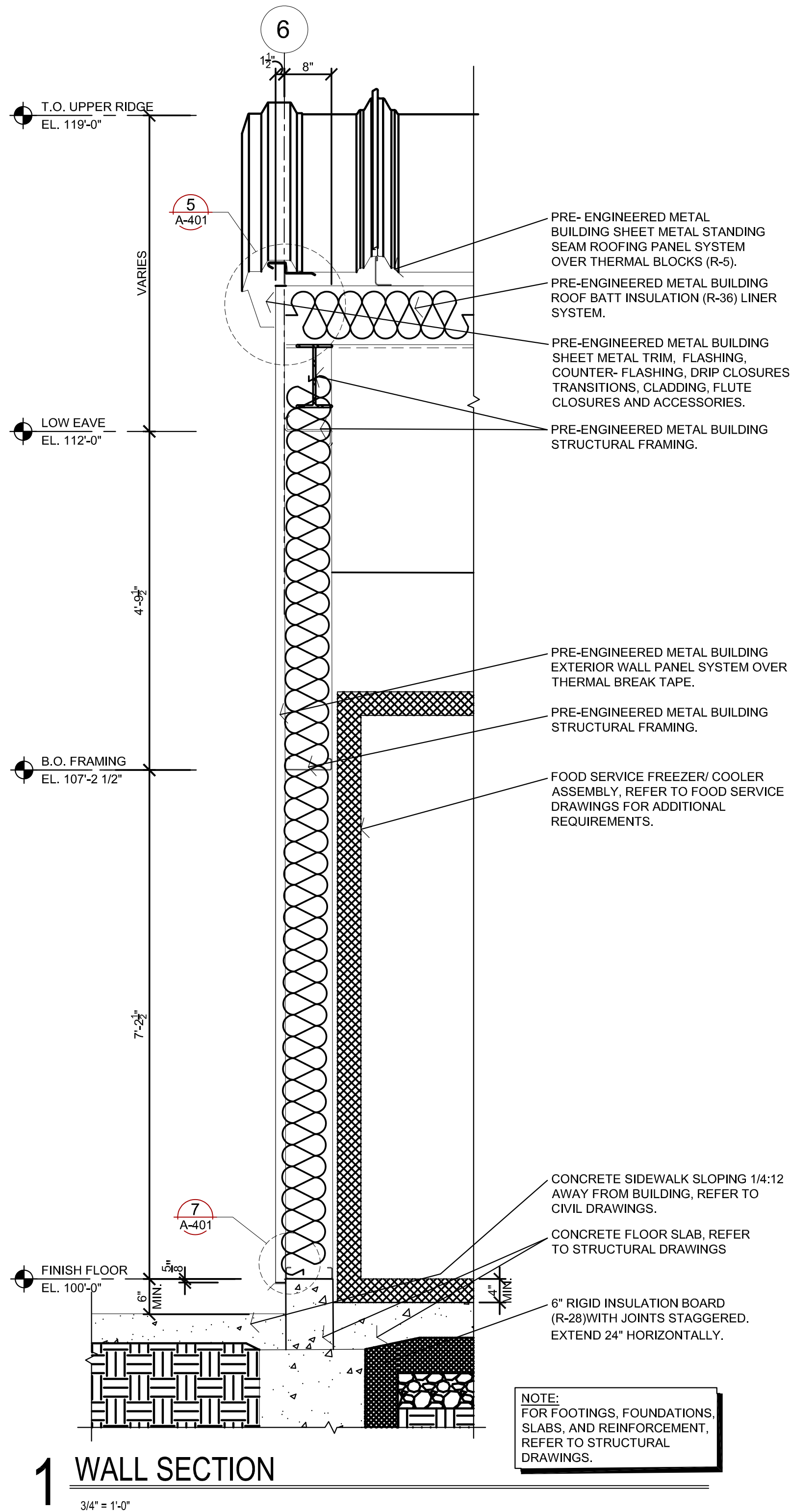
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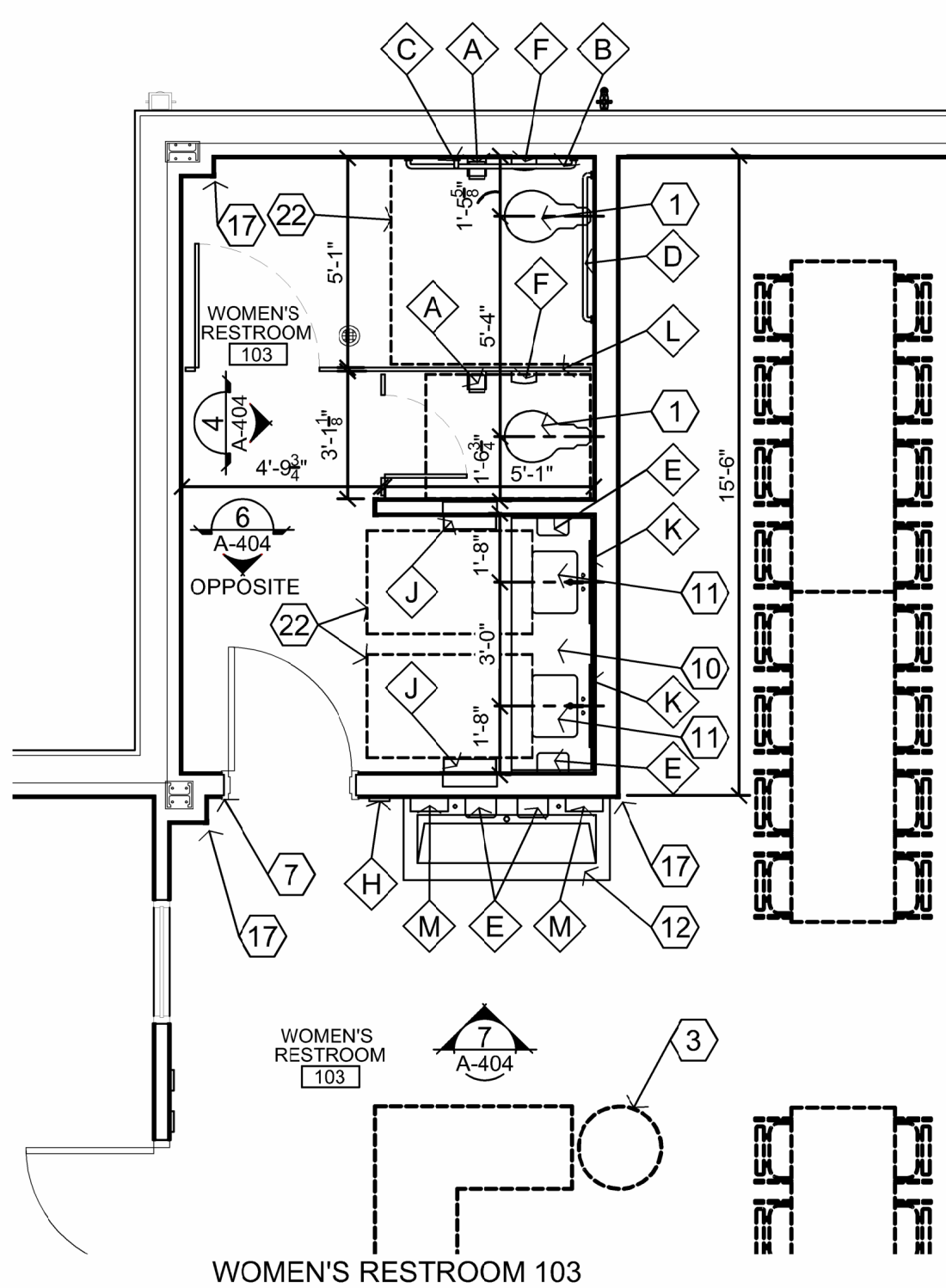
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**WALL SECTIONS AND
EXTERIOR DOOR
DETAILS**

SHEET NUMBER:

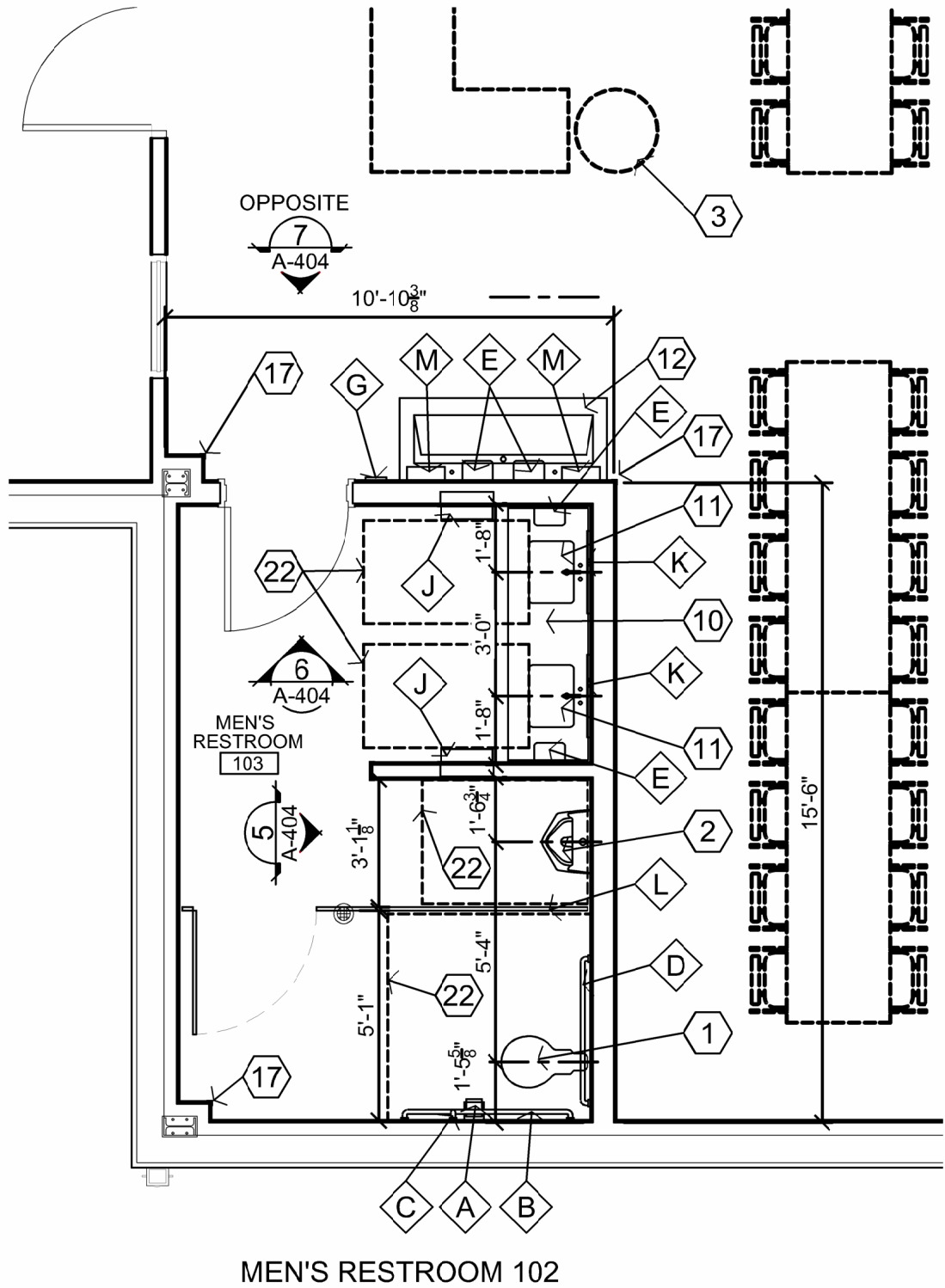
A-403

15 OF 41 SHEETS

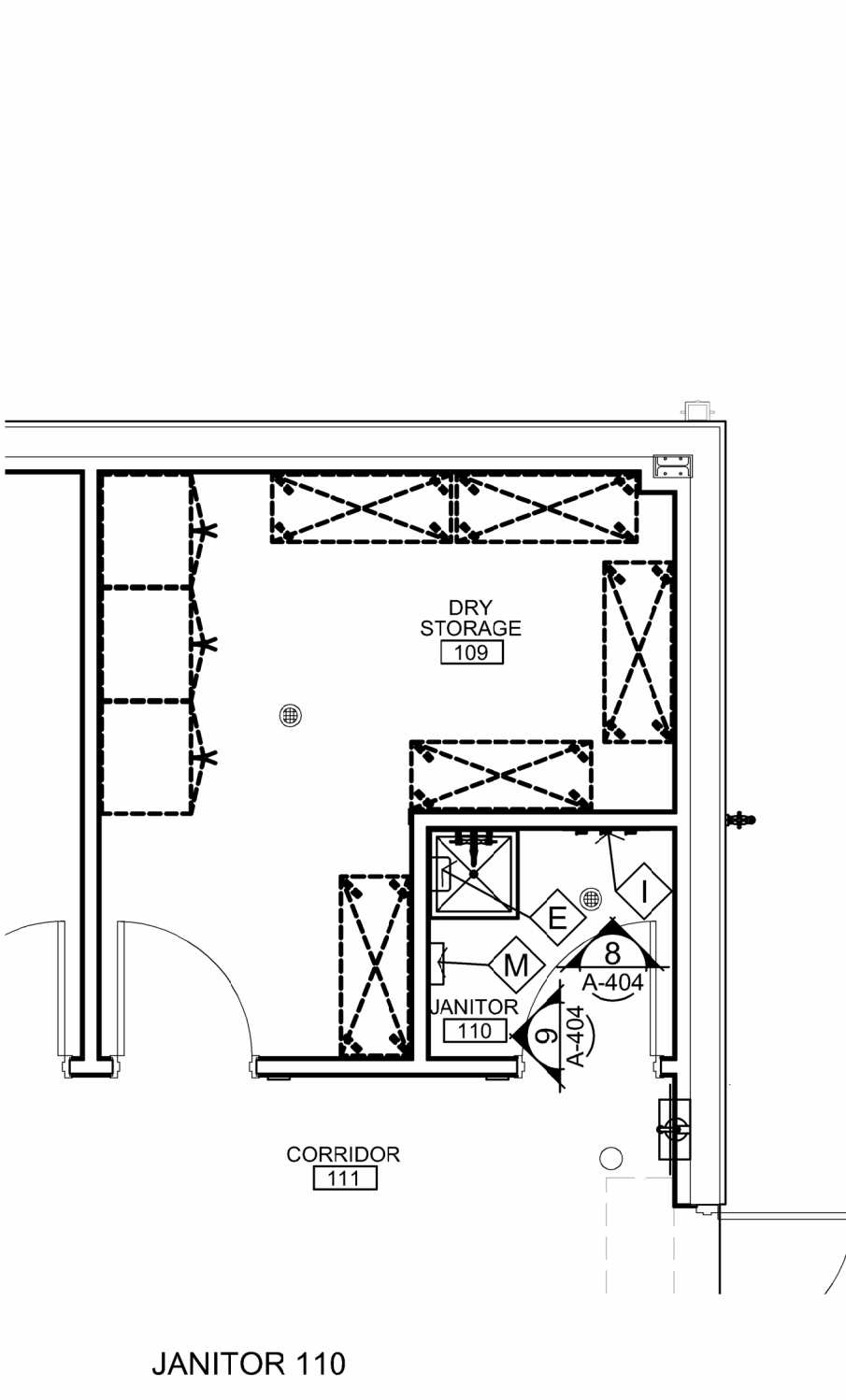




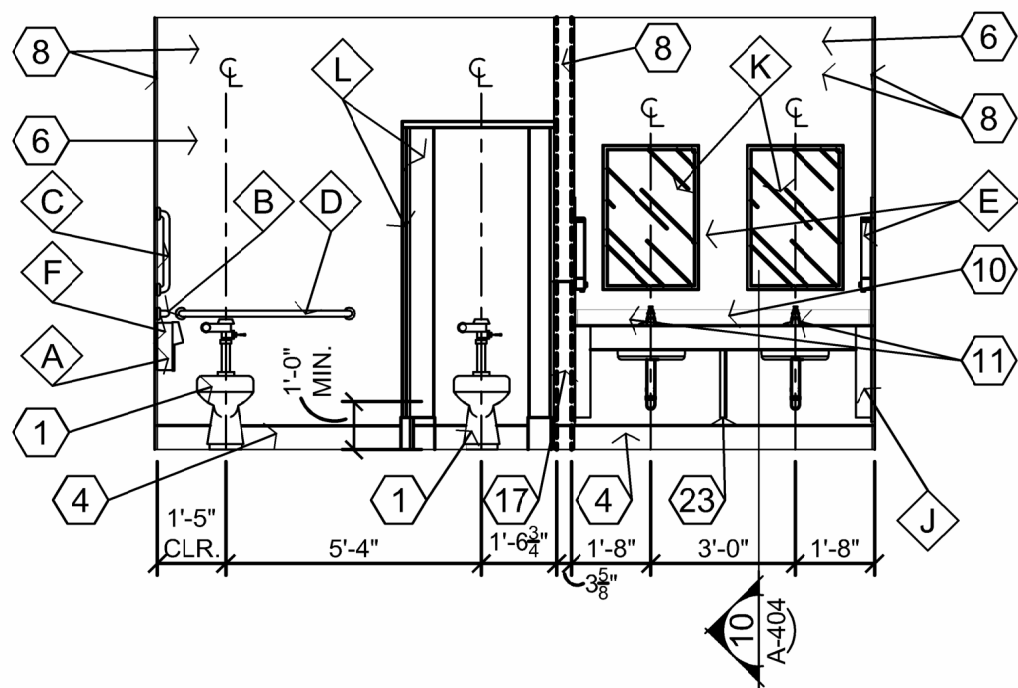
1 ENLARGED PLAN
1/4" = 1'-0"



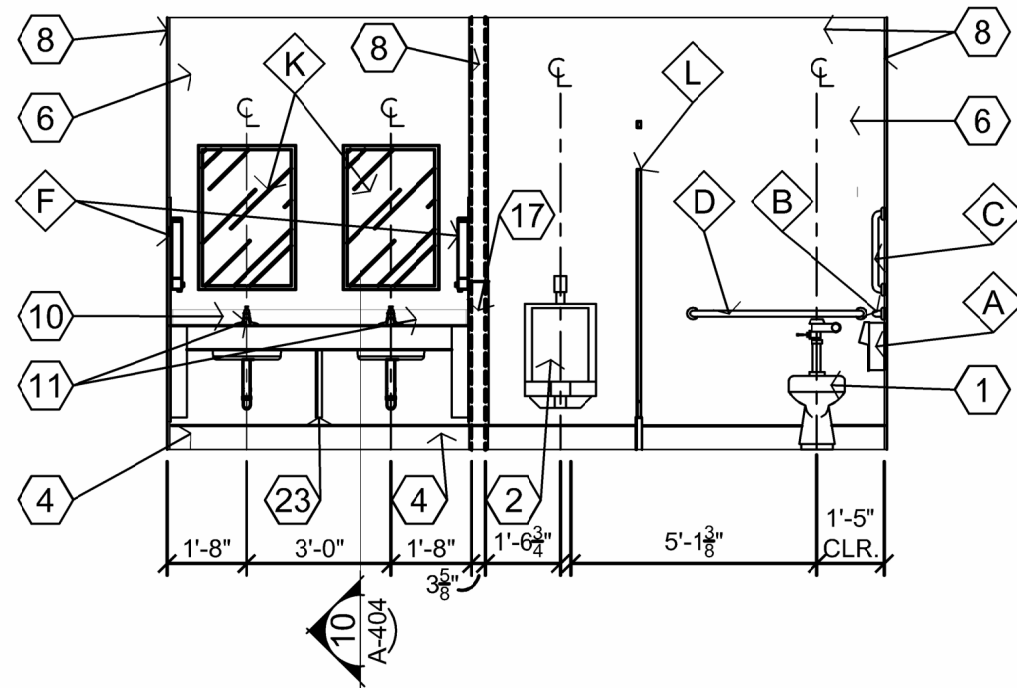
2 ENLARGED PLAN
1/4" = 1'-0"



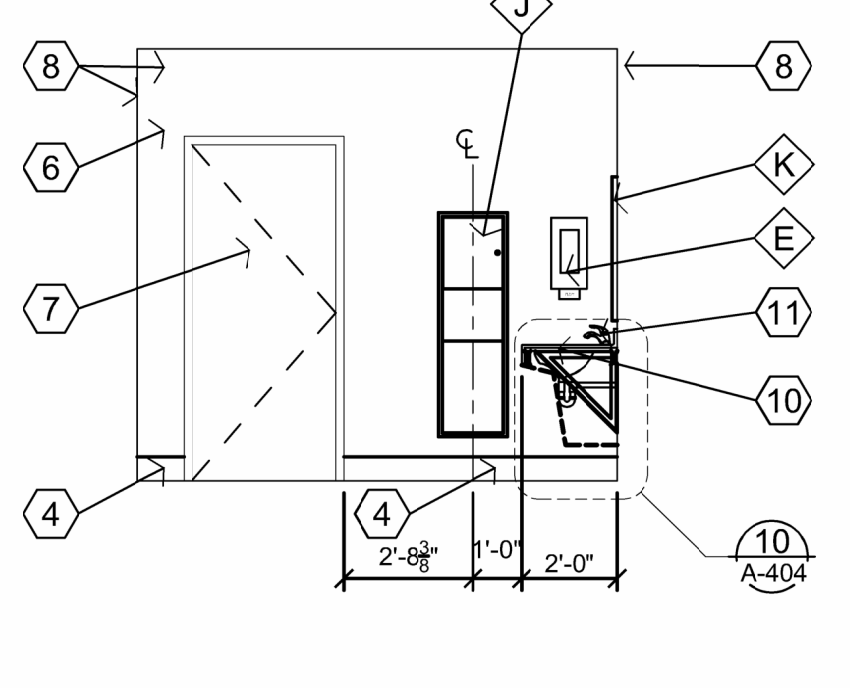
3 ENLARGED PLAN
1/4" = 1'-0"



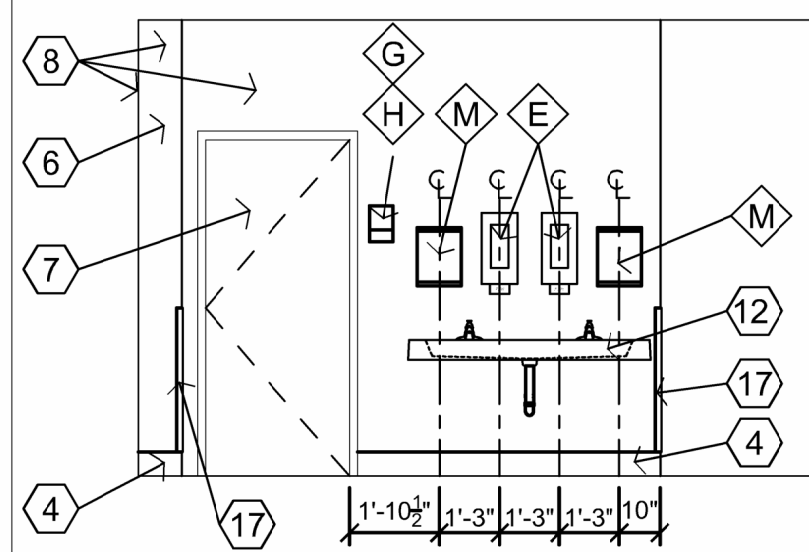
4 ELEVATION
1/4" = 1'-0"



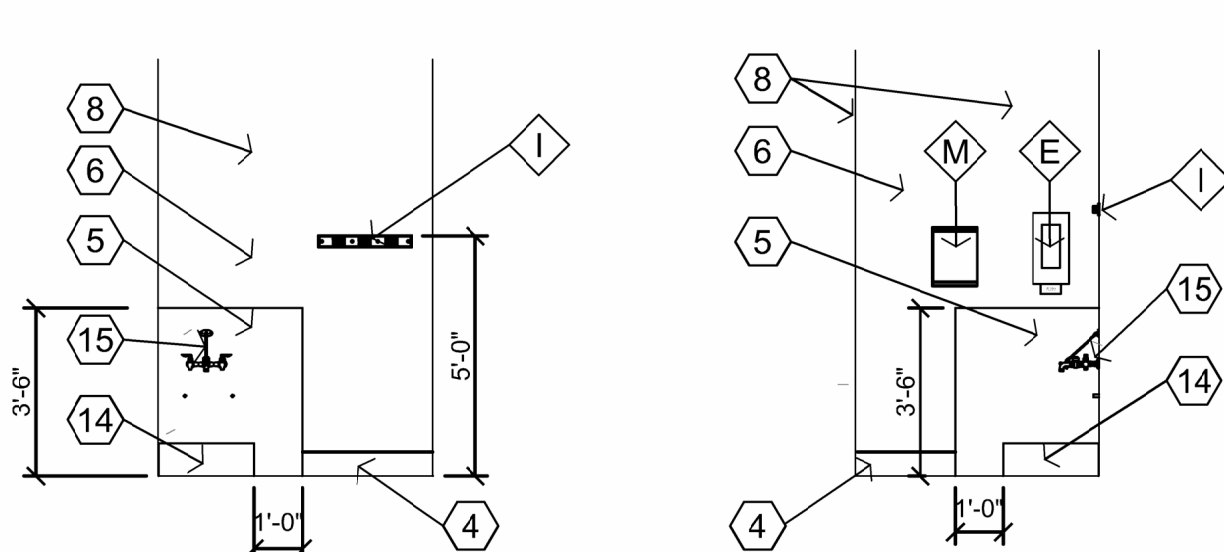
5 ELEVATION
1/4" = 1'-0"



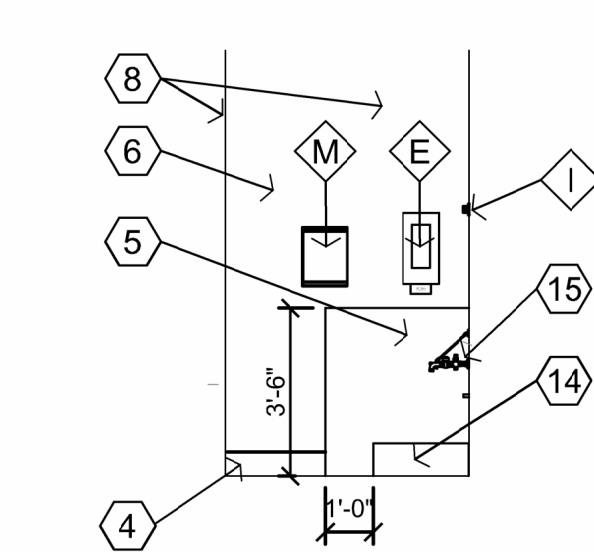
6 ELEVATION
1/4" = 1'-0"



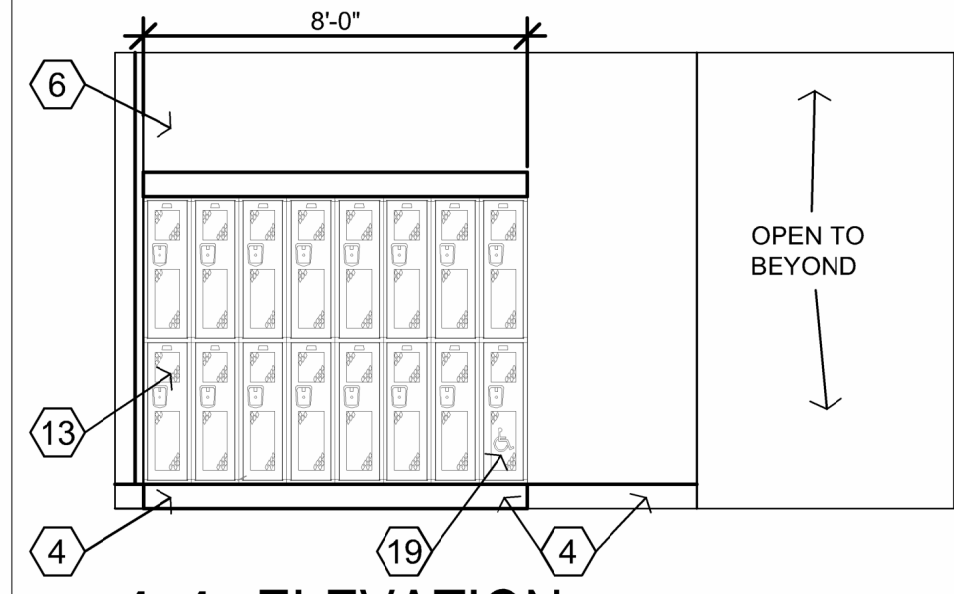
7 ELEVATION
1/4" = 1'-0"



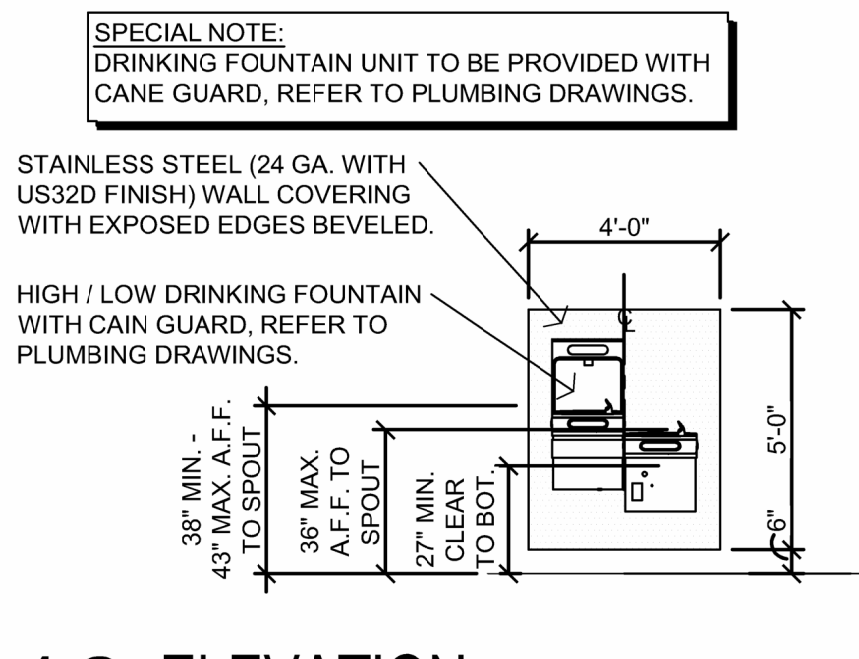
8 ELEVATION
1/4" = 1'-0"



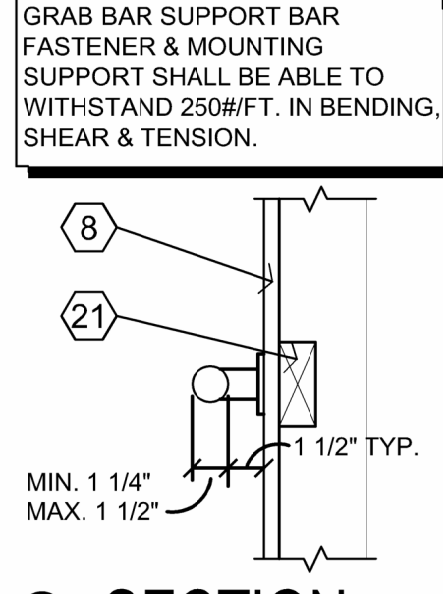
9 ELEVATION
1/4" = 1'-0"



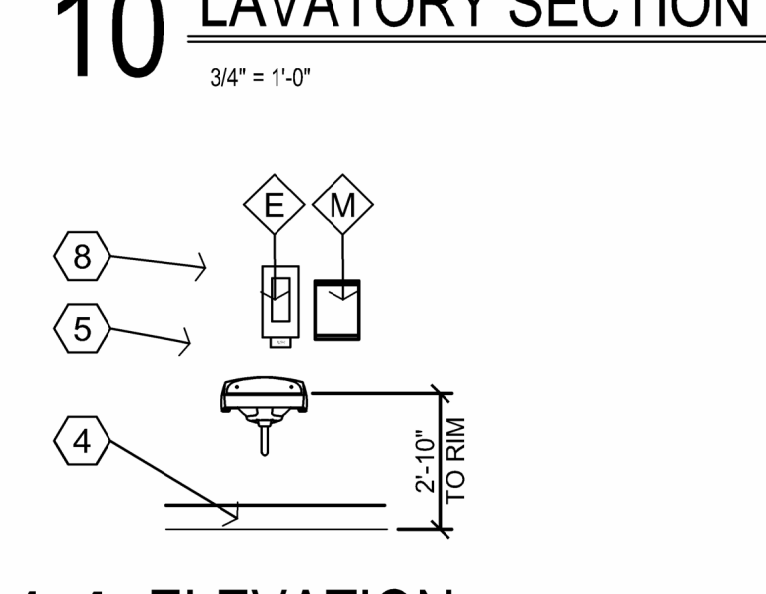
11 ELEVATION
1/4" = 1'-0"



12 ELEVATION
1/4" = 1'-0"



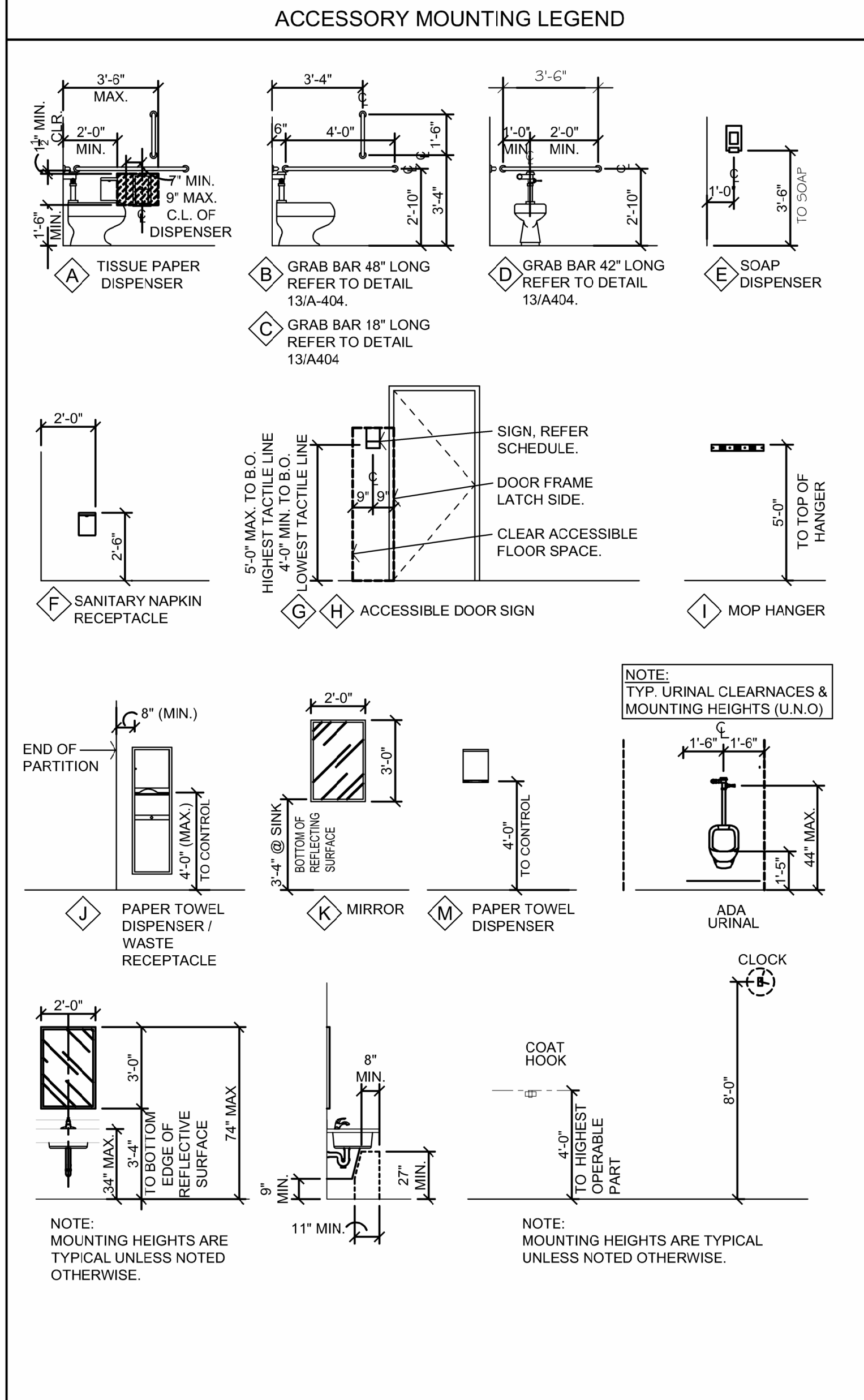
13 SECTION
1 1/2" = 1'-0"



14 ELEVATION
1/4" = 1'-0"

ACCESSORY SCHEDULE					
		MANUFACTURER	SERIES / MODEL	MOUNTING LOCATION	ACCESSORY NOTES
A	TISSUE PAPER DISPENSER	(REFER TO PROJECT MANUAL)	DOUBLE ROLL, STACKED	REFER PLANS, ELEVATIONS, LEGEND	--
B	GRAB BAR	(REFER TO PROJECT MANUAL)	48" LENGTH	REFER PLANS, ELEVATIONS, LEGEND	--
C	GRAB BAR	(REFER TO PROJECT MANUAL)	18" LENGTH	REFER PLANS, ELEVATIONS, LEGEND	--
D	GRAB BAR	(REFER TO PROJECT MANUAL)	42" LENGTH	REFER PLANS, ELEVATIONS, LEGEND	--
E	SOAP DISPENSER	(BY OWNER)	(BY OWNER)	REFER PLANS, ELEVATIONS, LEGEND	NOTE 4
F	SANITARY NAPKIN RECEPTACLE	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	--
G	ACCESSIBLE R.R. SIGN (MEN)	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	NOTE 2
H	ACCESSIBLE R.R. SIGN (WOMEN)	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	NOTE 2
I	MOP HANGER	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	NOTE 3
J	PAPER TOWEL DISPENSER / WASTE RECEPTACLE	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	NOTE 5
K	MIRROR	(REFER TO PROJECT MANUAL)	24" W. x 36" H.	REFER PLANS, ELEVATIONS, LEGEND	--
L	TOILET PARTITIONS	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	NOTE 1
M	PAPER TOWEL DISPENSER	(REFER TO PROJECT MANUAL)	(REFER TO PROJECT MANUAL)	REFER PLANS, ELEVATIONS, LEGEND	NOTE 5

- ACCESSORY GENERAL NOTES:
1. PHENOLIC RESIN, OVERHEAD BRACED TOILET PARTITIONS WITH GAP FREE PRIVACY DOORS AND STYLES THROUGH-BOLTED STAINLESS STEEL HARDWARE IN US32D FINISH. REFER TO FINISH SCHEDULE. ACCESSIBLE STALL DOORS TO PROVIDE 32" MINIMUM CLEAR WIDTH PER ADA/ANSI STANDARDS. AND NON-ACCESSIBLE STALL DOORS TO BE 24" MINIMUM CLEAR WIDTH. PROVIDE 1'-0" CLEAR UNDER DOORS AND HORIZONTAL PANEL UNITS.
 2. REFER TO INTERIOR FINISH PLAN FOR ADDITIONAL SIGN REQUIREMENTS.
 3. REFER TO PLUMBING DRAWINGS FOR TYPE.
 4. OWNER FURNISHED AND CONTRACTOR INSTALLED.
 5. "C" F.O.D. PAPER TOWEL DISPENSER.



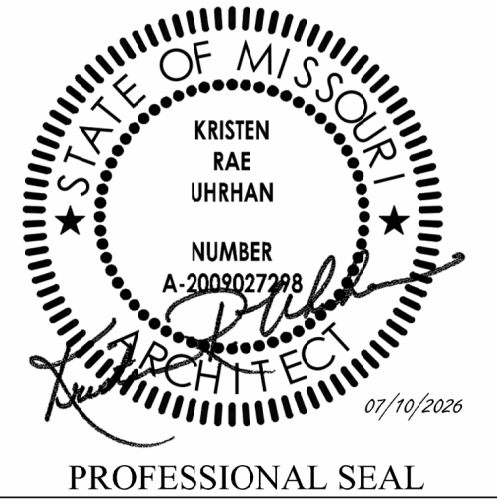
GENERAL NOTES

- REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- ALL DIMENSIONS ARE TO ROUGH FACE OF STUD OR CENTERLINE OF FIXTURE UNLESS OTHERWISE INDICATED. TOILET PARTITION 1" PANEL THICKNESS DIMENSIONS NOT SHOWN FOR CLARITY. TOILET ACCESSORIES ARE DIMENSIONED TO FACE OF FINISH UNLESS NOTED OTHERWISE.
- REFER TO PLUMBING PLANS FOR PLUMBING FIXTURE TYPES.
- REFER TO INTERIOR FINISH PLANS FOR MATERIALS AND FINISHES.
- REFER TO FLOOR PLAN FOR WALL TYPES AND ASSEMBLIES.
- GENERAL CONTRACTOR SHALL INSTALL SOLID WOOD BLOCKING AT WALLS AND PARTITIONS AS NECESSARY FOR INSTALLATION OF TOILET PARTITIONS, ACCESSORIES, LOCKERS, ETC. COORDINATE WITH OWNER.

KEY NOTES

- 1 WATER CLOSET ACCESSIBLE FIXTURE HEIGHT TO TOP OF SEAT TO BE 17" MINIMUM AND 19" MAXIMUM A.F.F.. ACCESSIBLE FIXTURE FLUSH CONTROL TO BE ON WIDE SIDE OF TOILET.
- 2 WALL-HUNG URINAL. MOUNT RIM 1'-5" MAXIMUM ABOVE FINISH FLOOR.
- 3 TRASH CAN (OWNER FURNISHED AND INSTALLED).
- 4 RESILIENT BASE, REFER TO FINISH SCHEDULE.
- 5 SANITARY WALL PANEL, REFER TO FINISH SCHEDULE. PROVIDE TRIM AND EDGE MOLDING AROUND PERIMETER. ATTACHED TO SUBSTRATE AS REQUIRED.
- 6 PAINT, REFER TO FINISH SCHEDULE.
- 7 DOOR, REFER SCHEDULE.
- 8 WALL CONSTRUCTION, REFER TO FLOOR PLAN FOR WALL TYPES.
- 9 FIRE TREATED 2X WOOD BLOCKING (SUB-FRAME).
- 10 SOLID SURFACE COUNTER TOP, FRONT, BACKSPLASH & SIDESPLASH..
- 11 SOLID SURFACE SINK WITH FAUCET, REFER TO INTERIOR FINISH SCHEDULES AND PLUMBING DRAWINGS.
- 12 HAND WASHING SINK.
- 13 DOUBLE TIER STEEL LOCKERS.
- 14 JANITOR'S SINK.
- 15 FAUCET.
- 16 (NOT USED)
- 17 CORNER GUARD, REFER TO INTERIOR FINISH PLAN.
- 18 (NOT USED).
- 19 ACCESSIBLE STEEL LOCKER.
- 20 (NOT USED)
- 21 FIRE TREATED 2x WOOD BLOCKING IN STUD WALL.
- 22 LINE OF MINIMUM ACCESSIBILITY CLEARANCES.
- 23 1-1/2" X 1-1/2" X 3/16" STEEL ANGLE FRAME AT 3'-0" O.C. MAX.. PROVIDE (3) 3/8" TOGGLE ANCHORS THRU BLOCK WALL PER FRAME (PAINT).

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DEPARTMENT OF
PUBLIC SAFETY
MISSOURI ARMY
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CONSTRUCT NEW
SOLDIER DINING FACILITY

WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT # T2232-01
SITE # 6325
ASSET # 8136325016

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: JULY 10, 2026

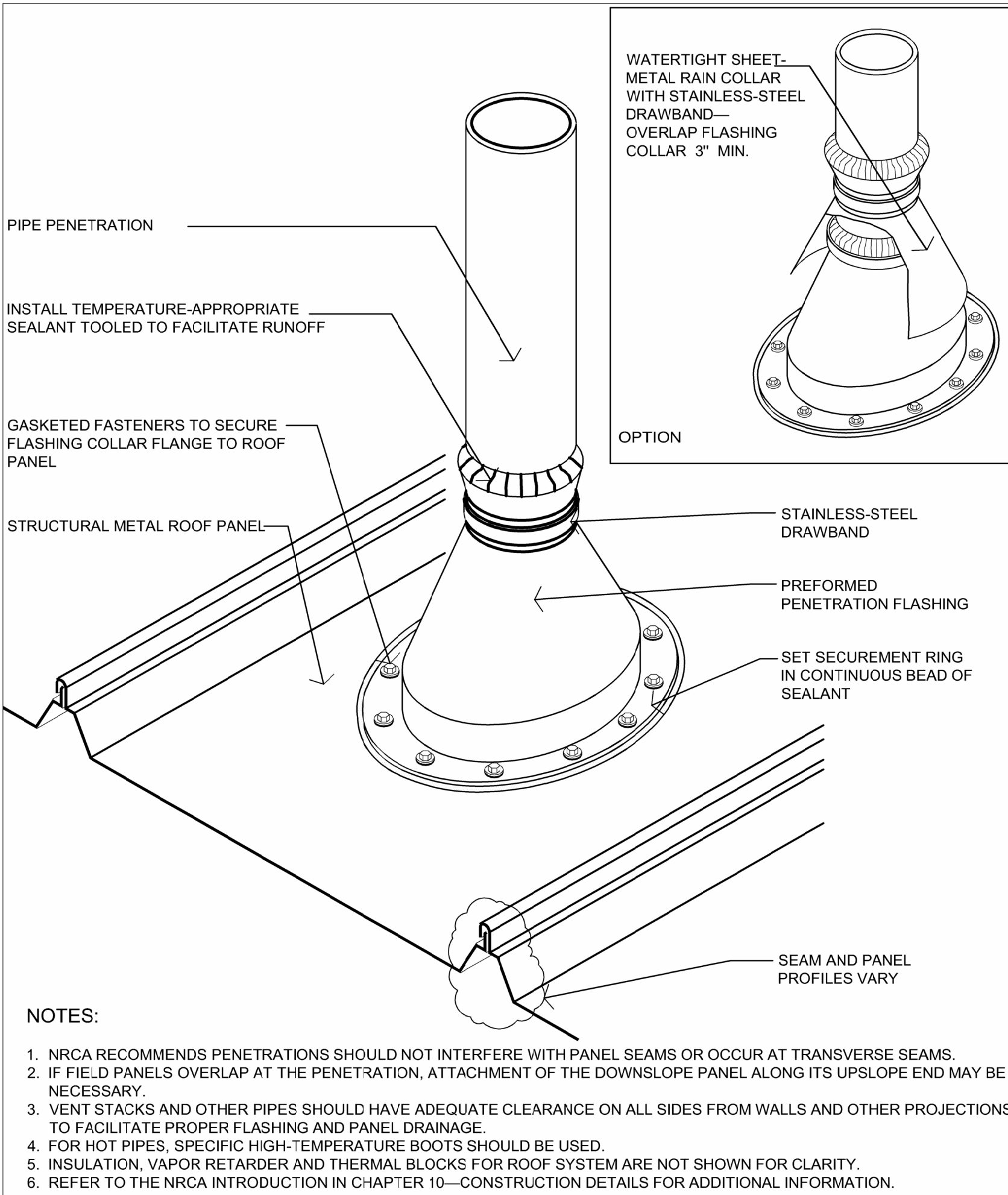
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DRAWN BY: BB
CHECKED BY: KU
DESIGNED BY: KU

SHEET TITLE:
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INTERIOR ELEVATIONS
AND SCHEDULE

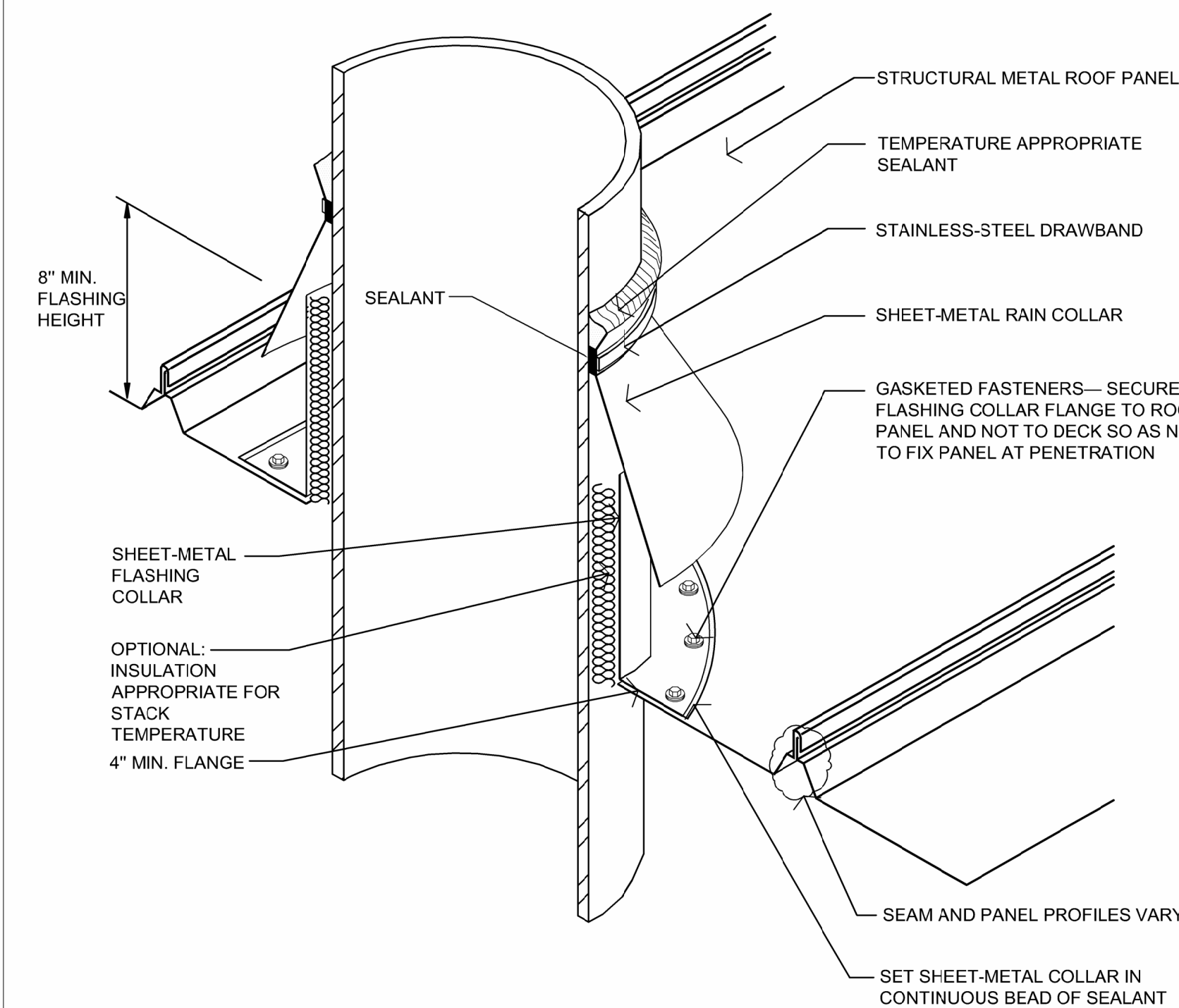
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A-404

16 OF 41 SHEETS



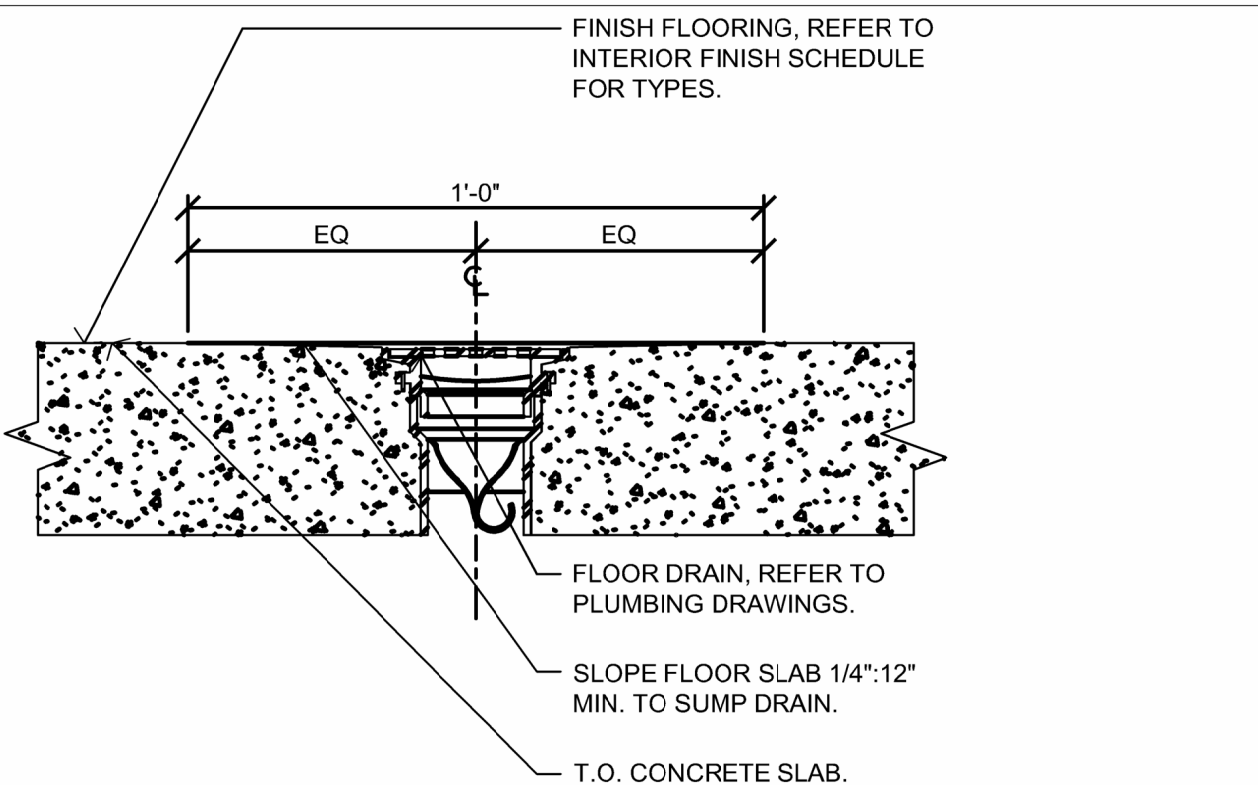
1 PIPE PENETRATION



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

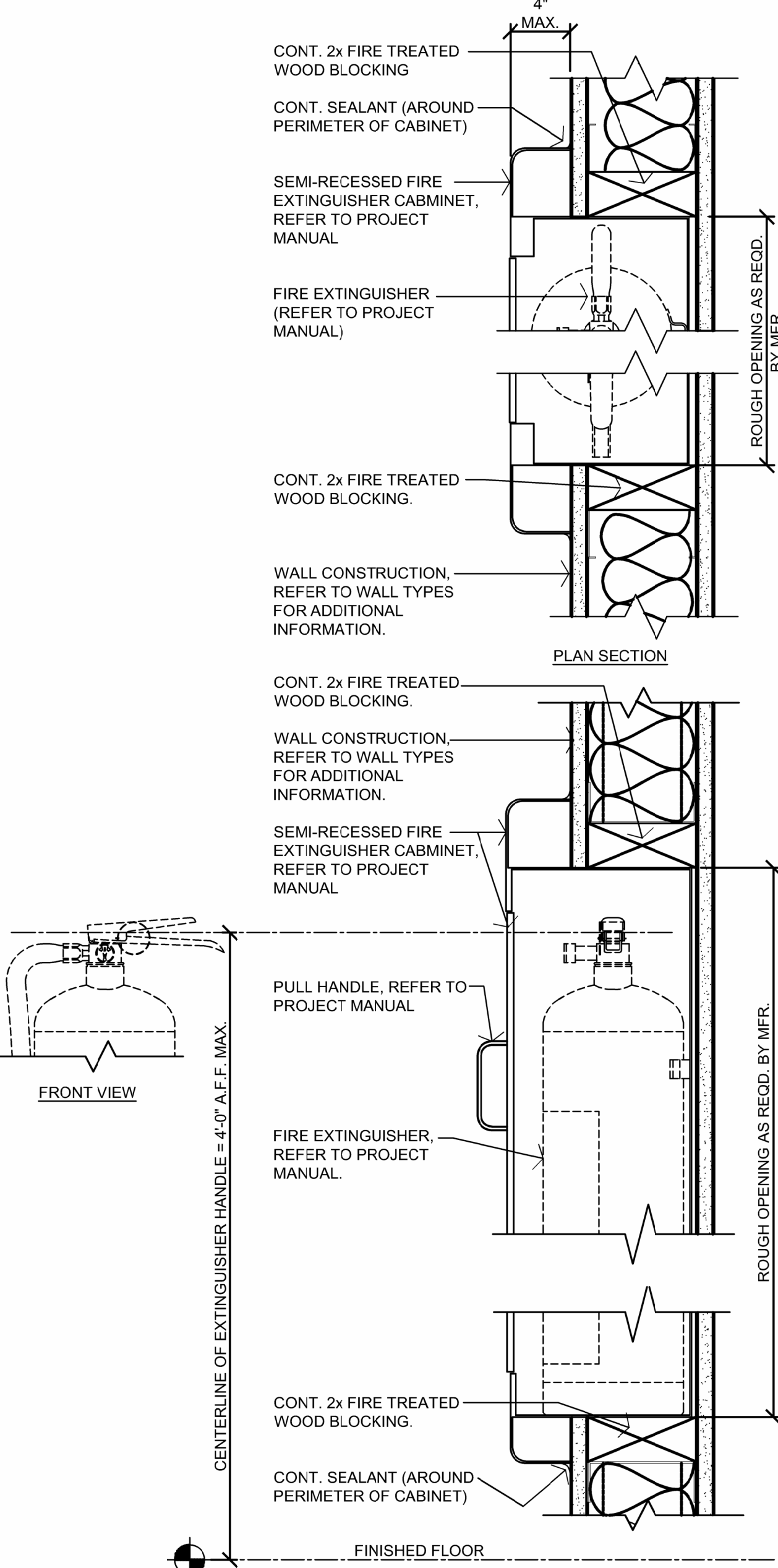
SHEET-METAL STACK VENT [HOT OR COLD]

4 PIPE PENETRATION

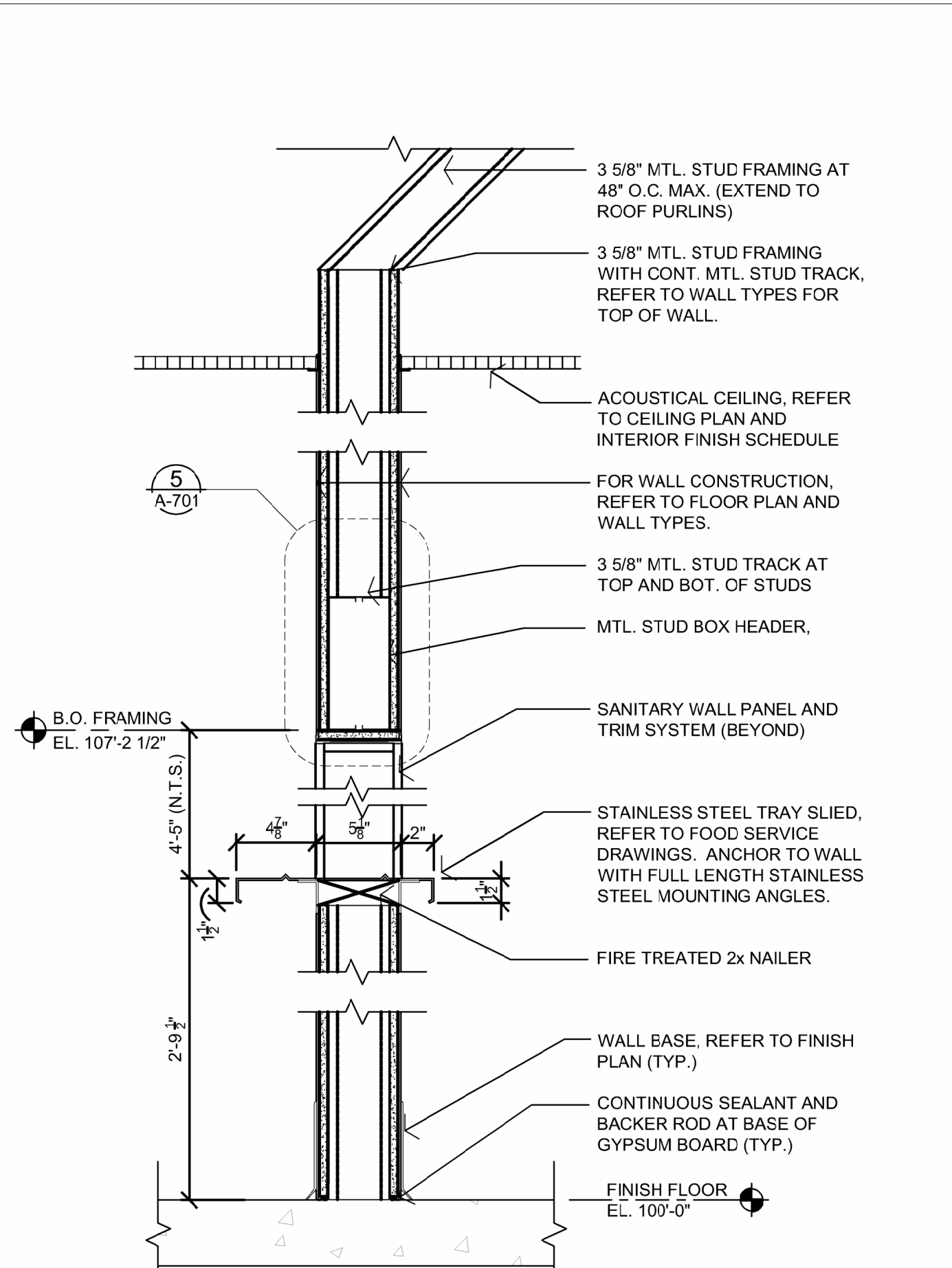


2 FLOOR DRAIN DETAIL

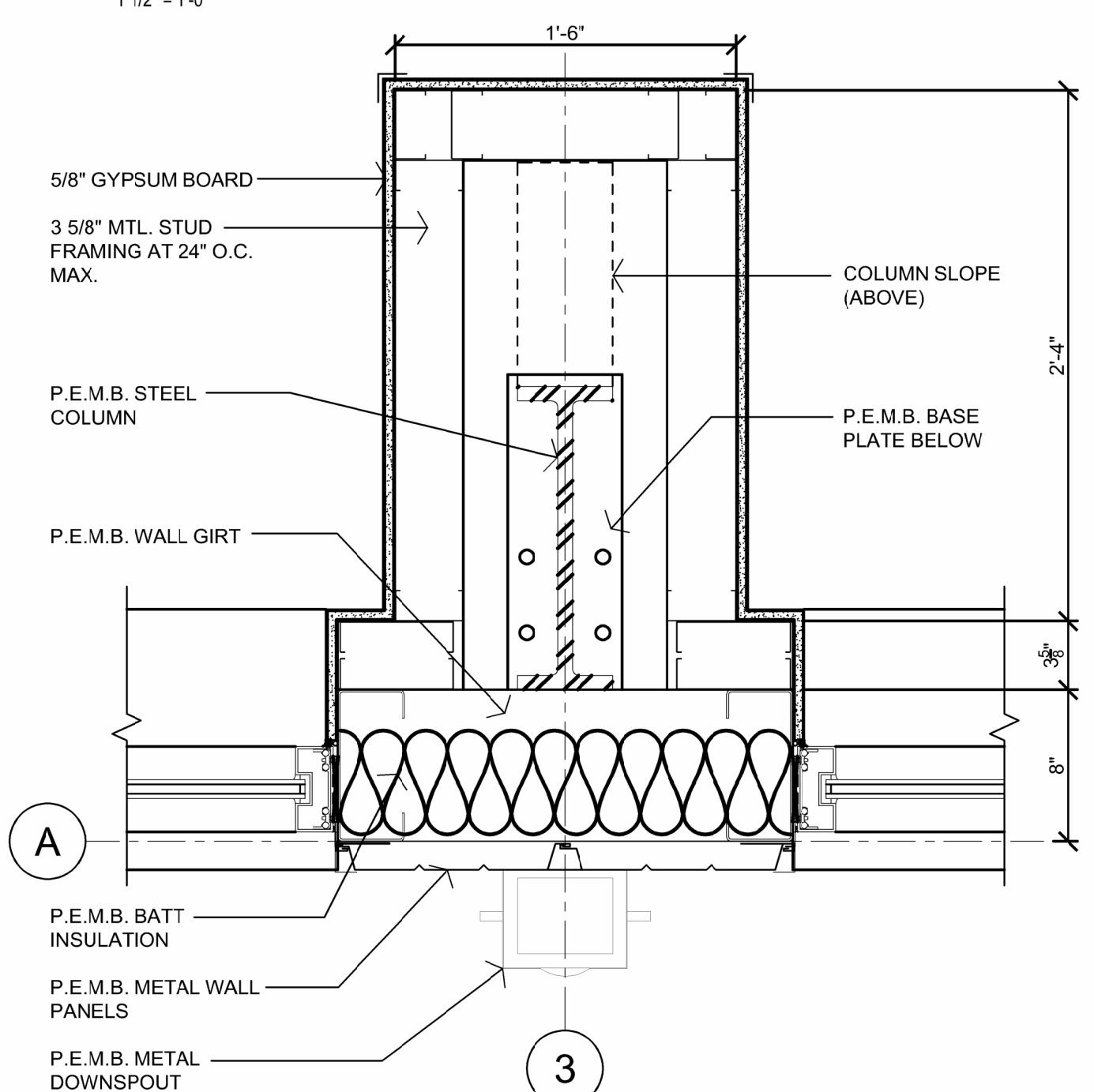
- NOTE:
1. DETAIL SHOWN IS FOR NON-RATED WALL USE ONLY. USE FIRE RATED CABINETS IN FIRE RATED ASSEMBLIES.
 2. VERIFY CABINET DIMENSIONS PRIOR TO INSTALLATION.



5 FIRE EXTINGUISHER CABINET DETAIL



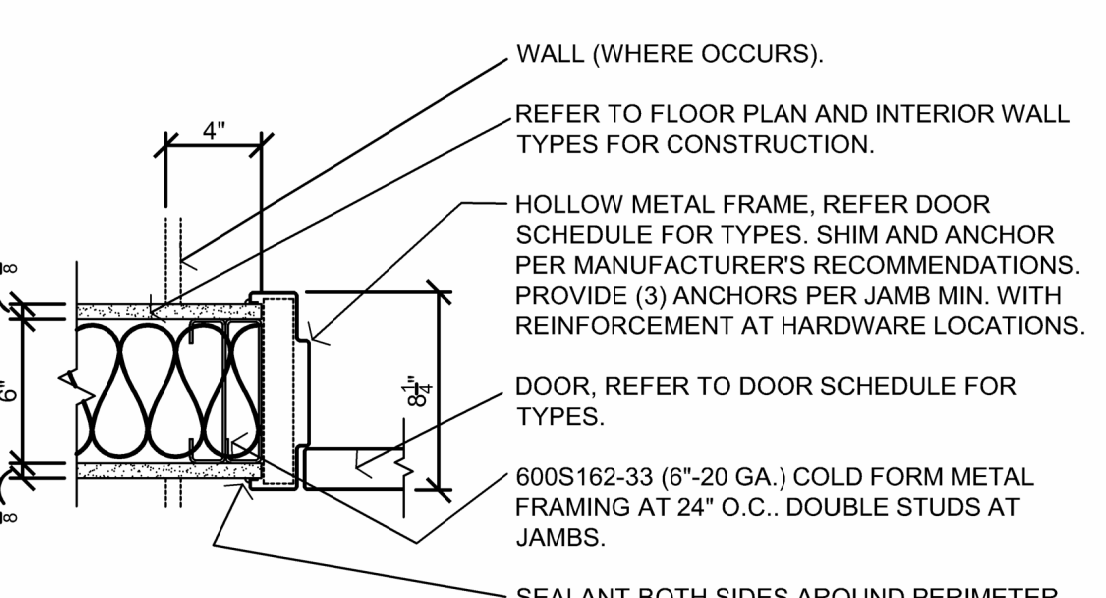
3 DETAIL



6 DETAIL

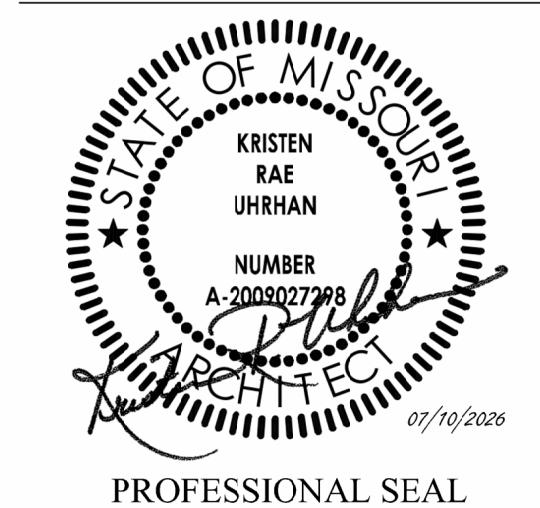


7 INTERIOR HM DOOR HEAD DETAIL



8 INTERIOR HM DOOR JAMB DETAIL

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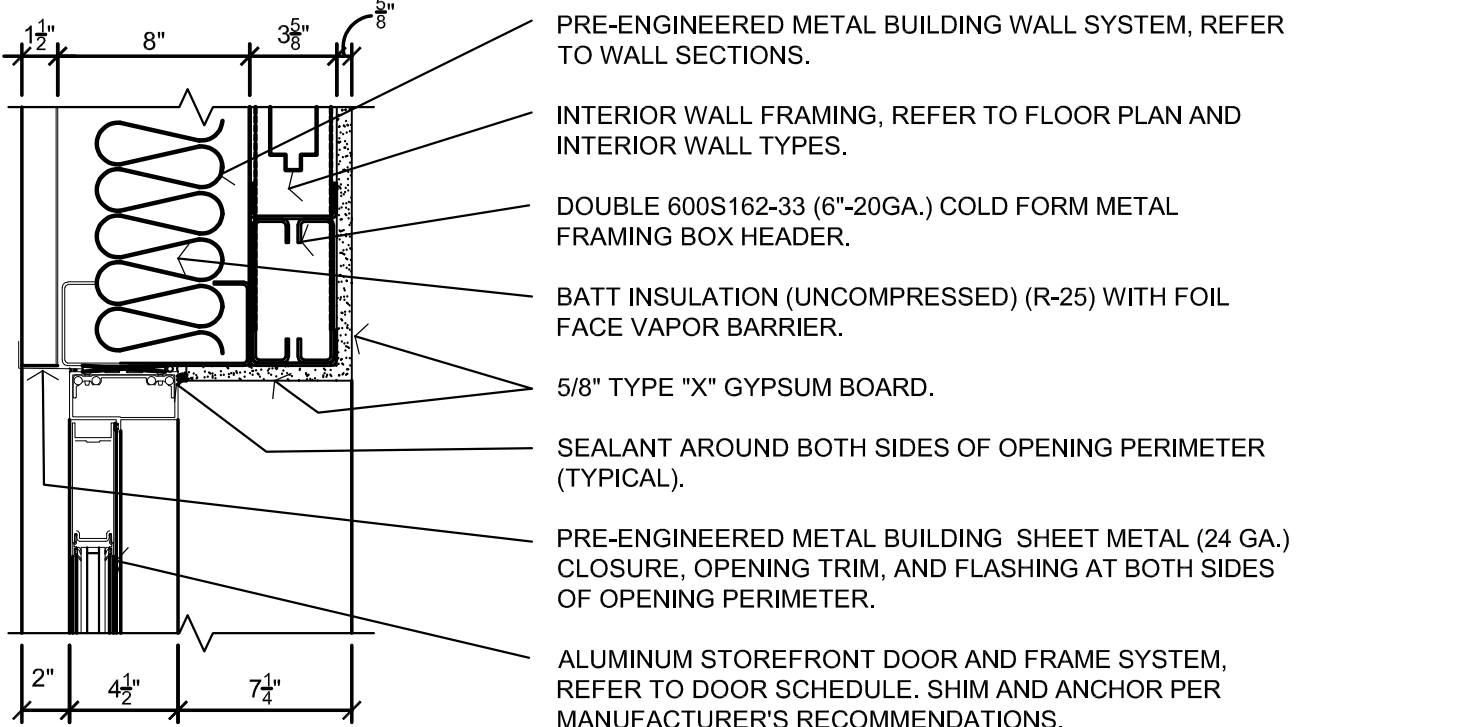
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ISSUE DATE: JULY 10, 2026

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DESIGNED BY: KU

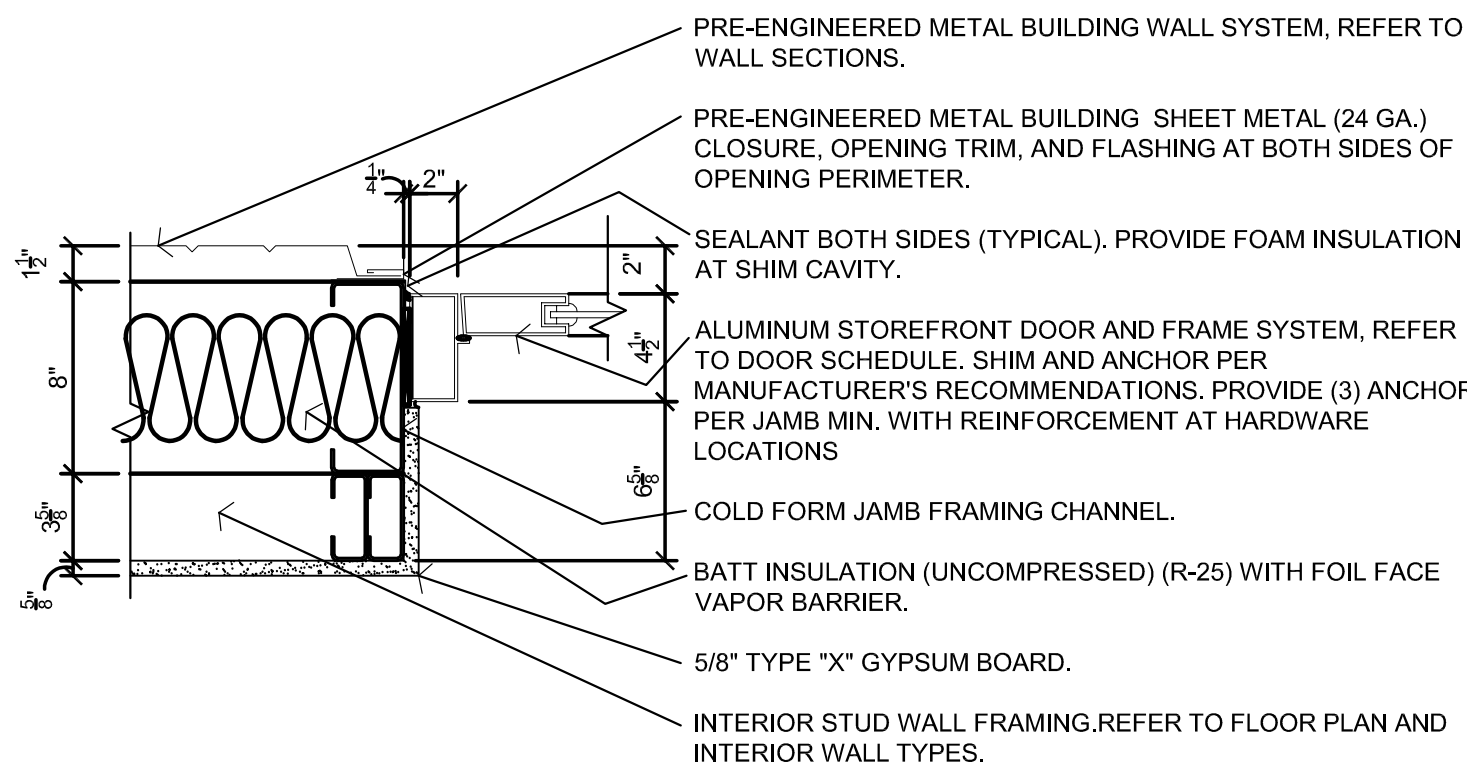
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DETAILS

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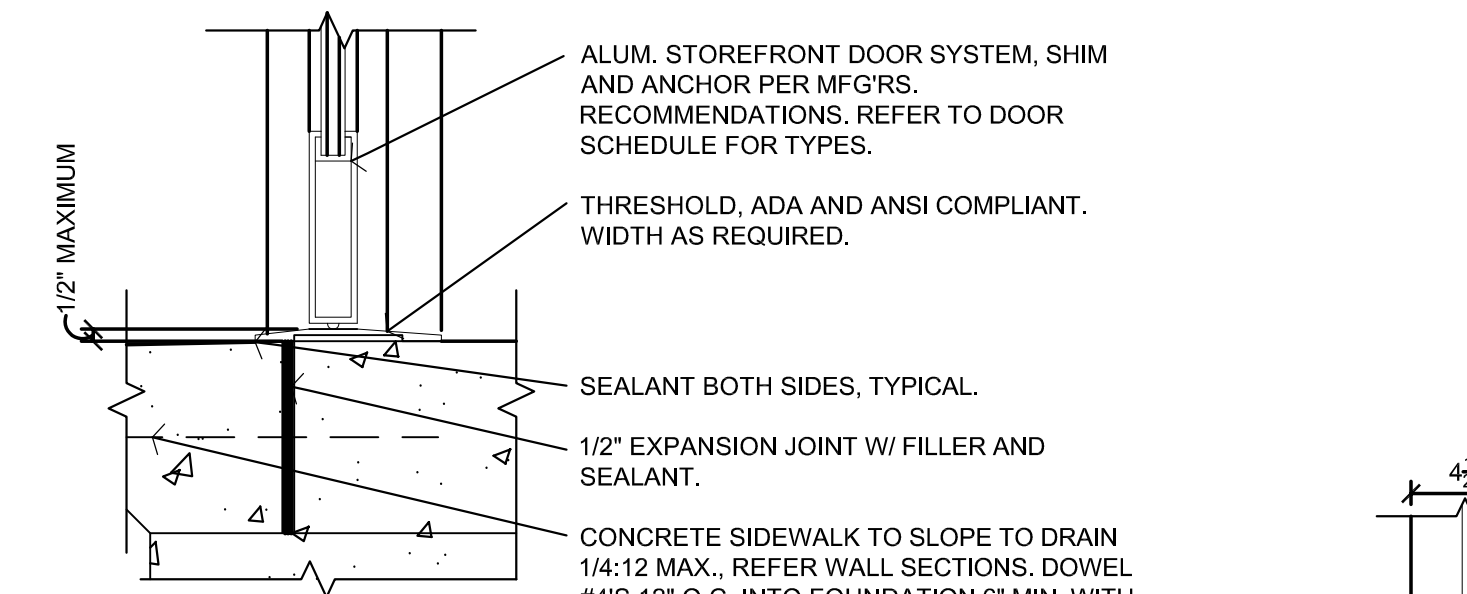
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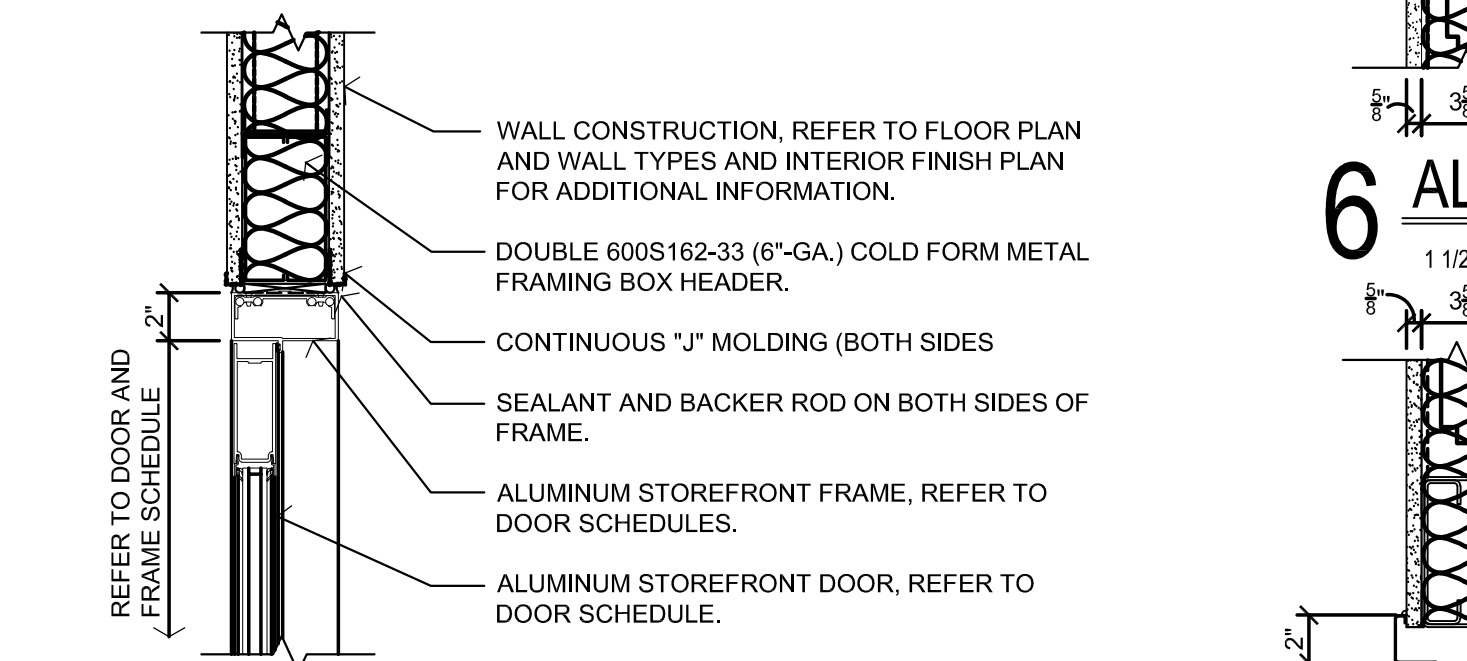
1 EXTERIOR ALUMINUM DOOR HEAD DETAIL



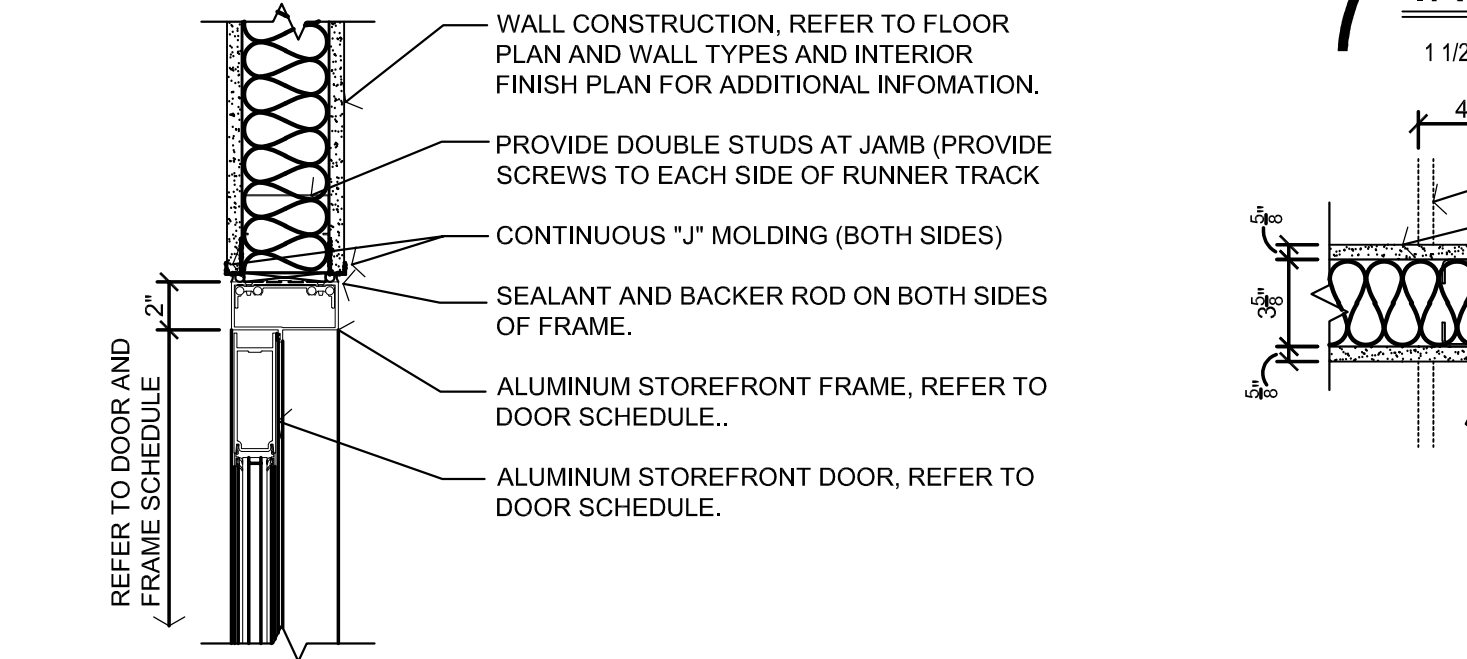
2 EXTERIOR ALUMINUM DOOR JAMB DETAIL



3 EXTERIOR ALUMINUM DOOR SILL DETAIL



4 INTERIOR ALUMINUM DOOR HEAD DETAIL



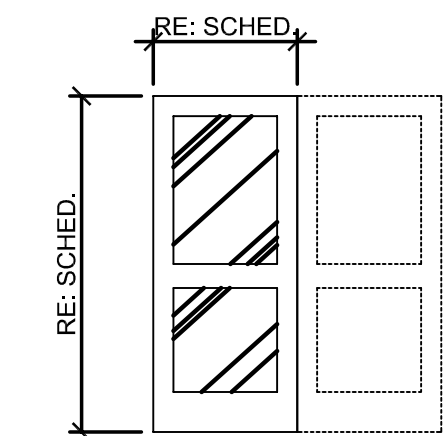
5 INTERIOR ALUMINUM DOOR JAMB DETAIL

DOOR SCHEDULE														
MARK	DOOR				HARDWARE			FRAME		DETAILS				REMARKS (REFER NOTES)
	SIZE (W x H x D)	TYPE	SWING	MATERIAL	GLAZ. TYPE	SET #	KEYED	TYPE	MATERIAL	HEAD WIDTH	HEAD	JAMB	SILL	
100	(PAIR) 3'-0" X 7'-0" X 1 3/4"	AA	RHR/LHR	ALUMINUM	1	1	LEVEL 1	1	HOL. METAL	—	1/A-601	2/A-601	3/A-601	1 & 2
101A	(PAIR) 3'-0" X 7'-0" X 1 3/4"	AA	RHR/LHR	ALUMINUM	2	2	—	2	HOL. METAL	—	4/A-601	5/A-601	—	1
101B	(PAIR) 3'-0" X 7'-0" X 1 3/4"	AA	RHR/LHR	ALUMINUM	1	1	LEVEL 1	1	HOL. METAL	—	1/A-601	2/A-601	3/A-601	1 & 2
101C	(PAIR) 3'-0" X 7'-0" X 1 3/4"	AA	RHR/LHR	ALUMINUM	1	1	LEVEL 1	1	HOL. METAL	—	1/A-601	2/A-601	3/A-601	1 & 2
102	3'-0" X 7'-0" X 1 3/4"	B	RH	SOLID WOOD	—	3	—	4	HOL. METAL	—	7/A-501	8/A-501	—	1
103	3'-0" X 7'-0" X 1 3/4"	B	LH	SOLID WOOD	—	3	—	4	HOL. METAL	—	7/A-501	8/A-501	—	1
108	3'-0" X 7'-0" X 1 3/4"	B	RH	SOLID WOOD	—	4	LEVEL 2	3	HOL. METAL	—	7/A-601	8/A-601	—	1
109	3'-0" X 7'-0" X 1 3/4"	B	LH	SOLID WOOD	—	5	LEVEL 2	3	HOL. METAL	—	7/A-601	8/A-601	—	1
110	3'-0" X 7'-0" X 1 3/4"	B	RH	SOLID WOOD	—	5	LEVEL 3	3	HOL. METAL	—	7/A-601	8/A-601	—	1
111	3'-0" X 7'-0" X 1 3/4"	C	RHR	HOL. METAL	—	7	LEVEL 1	3	HOL. METAL	—	9/A-601	10/A-601	3/A-601 SIM.	1 & 2
113A	4'-0" X 7'-0" X 1 3/4"	C	RH	HOL. METAL	—	6	LEVEL 2	4	HOL. METAL	—	7/A-501	8/A-501	—	1
113B	8'-0" X 8'-0"	D	SEC. O.H.	HOL. METAL	—	9	—	—	MFG'R'S STANDARDS	—	4/A-403	5/A-403	—	1
114	4'-0" X 7'-0" X 1 3/4"	C	RHR	HOL. METAL	—	8	LEVEL 3	3	HOL. METAL	—	6/A-403	7/A-403	3/A-601 SIM.	1 & 2

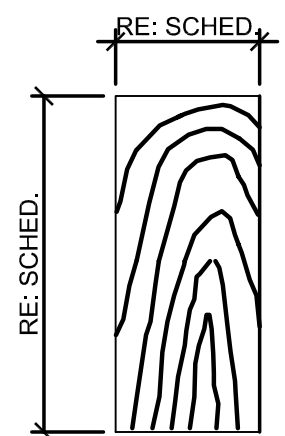
NOTES:
1. ALL DOORS SHALL BE SHOP PREPARED FOR HARDWARE.
2. REFER TO HARDWARE NOTES FOR ADDITIONAL REQUIREMENTS.

DOOR TYPES

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

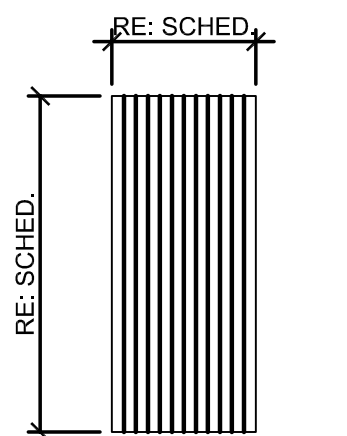


ALUMINUM ENTRANCE AND STOREFRONT SYSTEM W/ INSULATED SAFETY GLASS (REFER SCHEDULES FOR GLAZING TYPES).

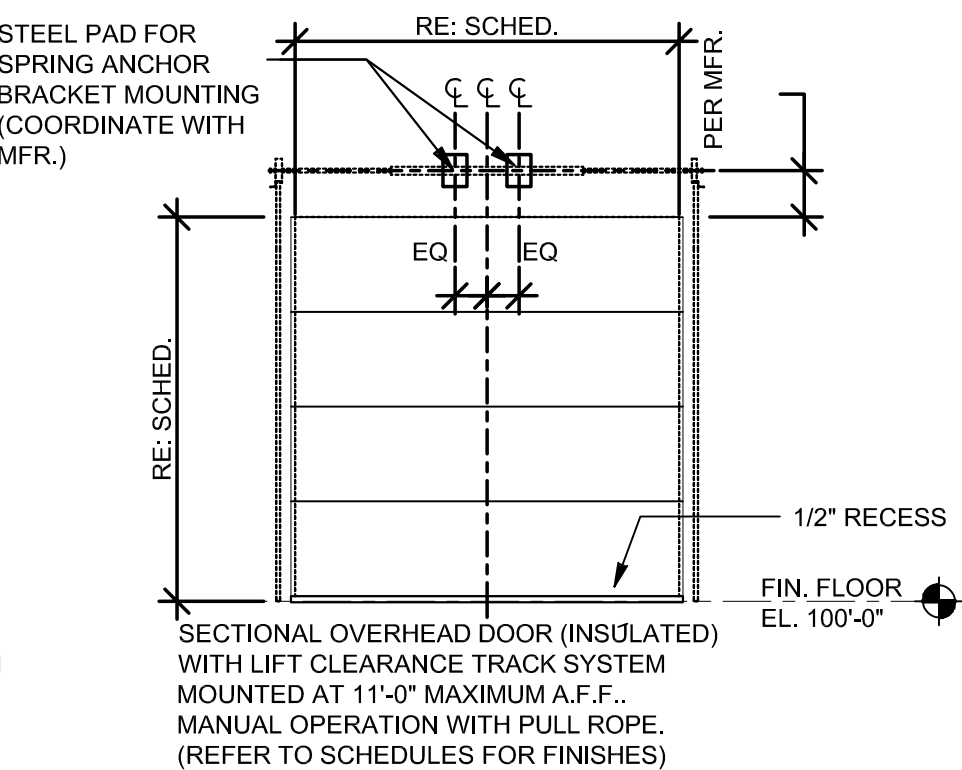


FLUSH SOLID CORE WOOD DOOR (REFER SCHEDULES FOR FINISHES)

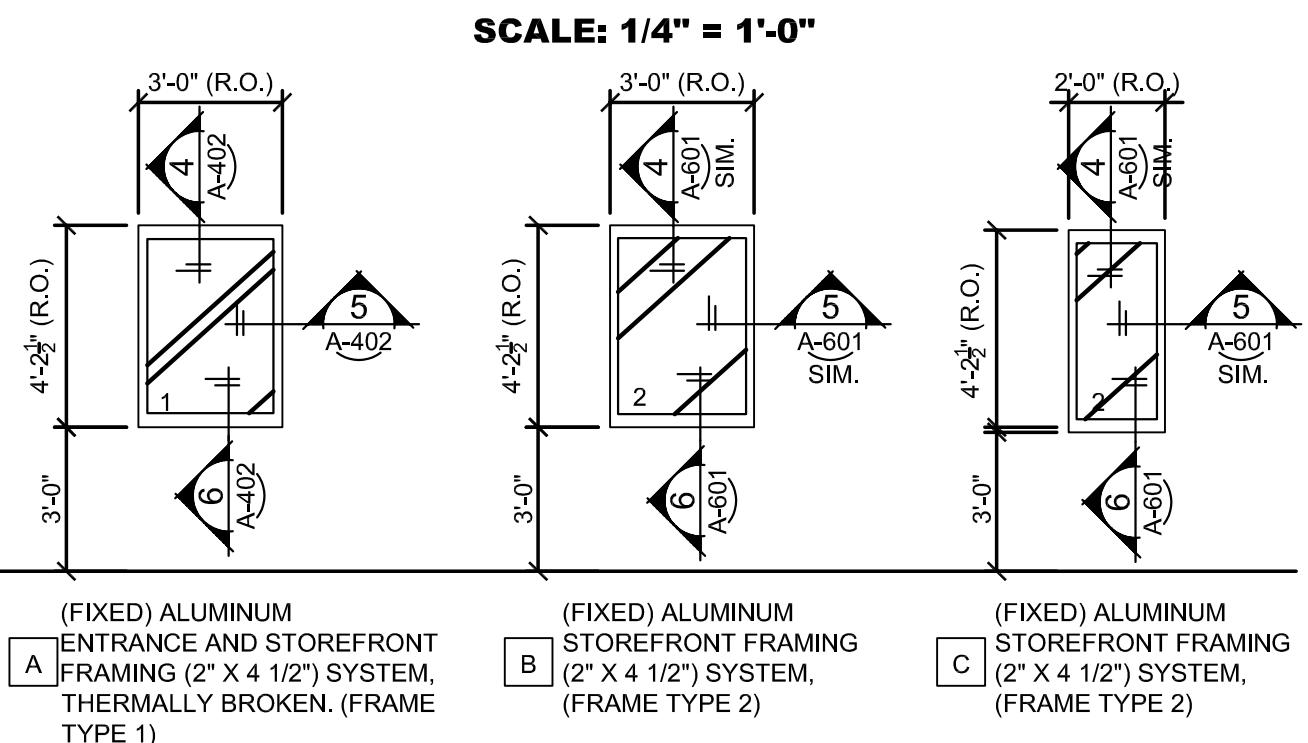
SCALE: 1/4" = 1'-0"



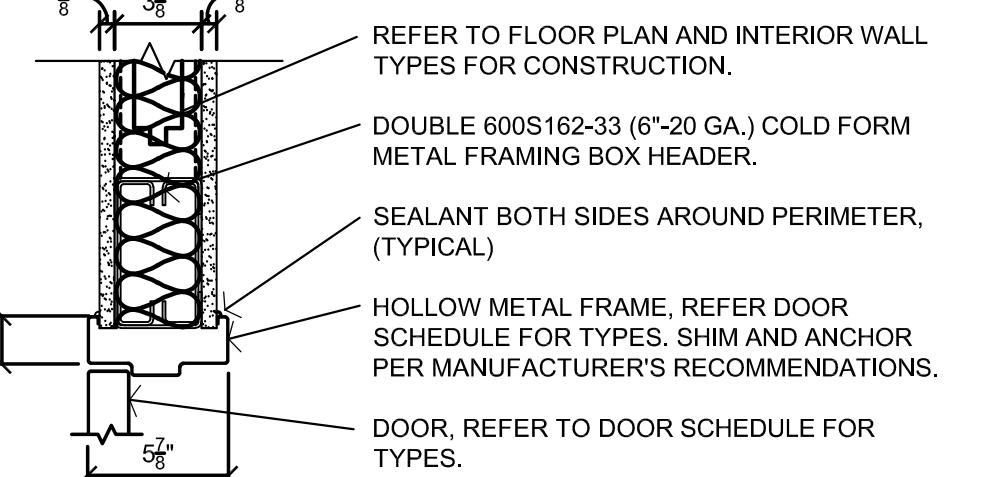
FLUSH HOLLOW METAL DOOR (INSULATED), 3/4" MAXIMUM UNDERCUT.



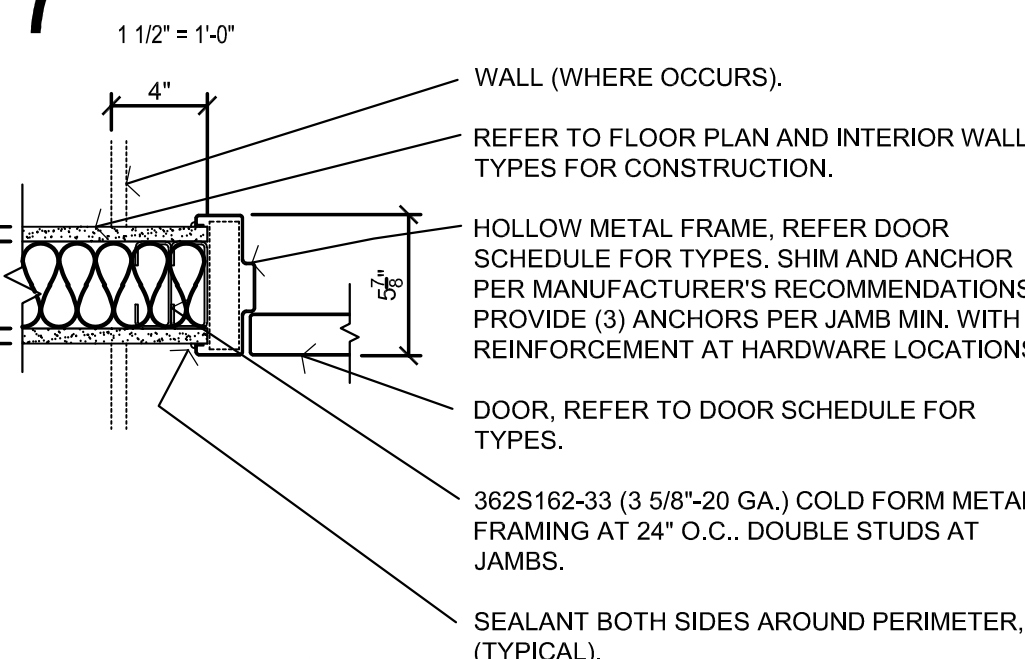
WINDOW TYPES



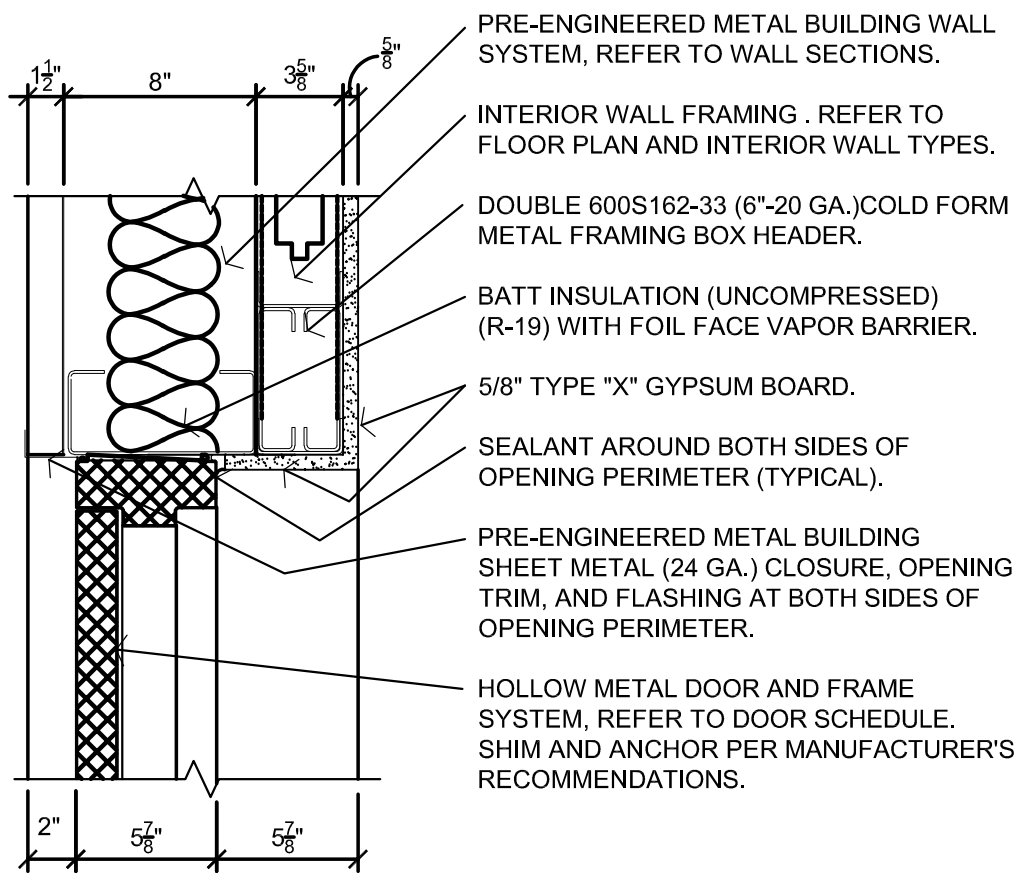
6 ALUMINUM WINDOW SILL DETAIL



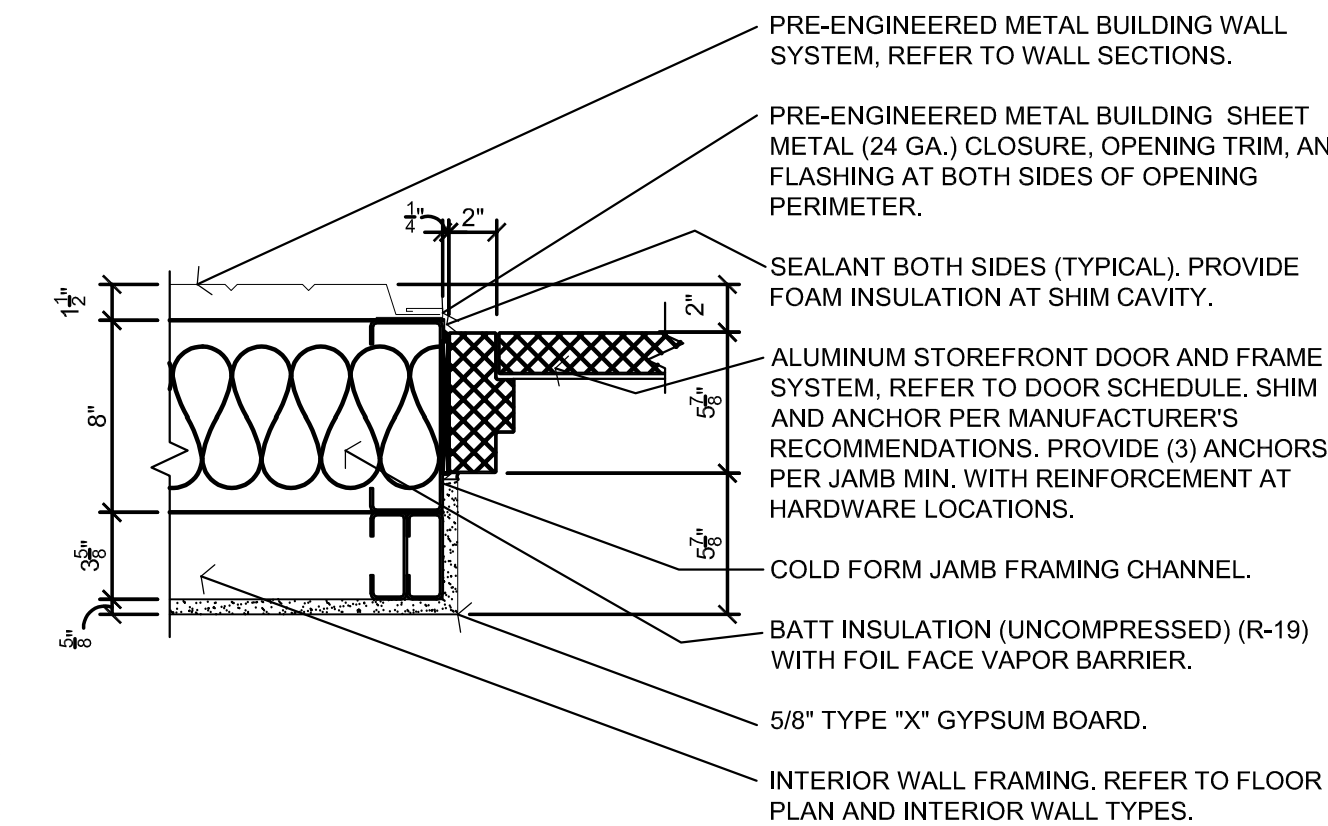
7 INTERIOR HM DOOR HEAD DETAIL



8 INTERIOR HM DOOR JAMB DETAIL



9 EXTERIOR HM DOOR HEAD DETAIL



10 EXTERIOR HM DOOR JAMB DETAIL

HARDWARE SCHEDULE

SET NO. 1 (DOORS 100, 101B, 101C)
2 CONTINUOUS GEARED HINGES
2 EXTERIOR CYLINDERS WITH REMOVABLE CORES
2 (ANSI FUNCTION NO. 08) ENTRY LOCK AND EXIT PANIC WITH TWO POINT LOCKING SURFACE VERTICAL RODS, COVER GUARDS, DUST PROOF BOTTOM STRIKES, EXTERIOR LEVER HANDLES WITH ESCUTCHEON TRIM, THRU-BOLT MOUNTED
2 CLOSERS WITH COVER, PARALLEL ARM, HOLD OPEN WITH SPRING CUSH, ACCESSORY PLATES AND SPACERS (AS REQUIRED), THRU-BOLT MOUNTED
1 SET PERIMETER WEATHER SEAL GASKETS
1 SET WEATHER SEAL MEETING STILE GASKETS
2 WEATHER SEAL DOOR BOTTOM SWEEPS
1 THRESHOLD (ADA / ANSI COMPLIANT)
1 RAIN DRIP

SET NO. 2 (DOOR 101A)
2 CONTINUOUS GEARED HINGES:
2 SETS PUSH / PULL (1" DIAMETER STRAIGHT BENT BARS)
2 CLOSERS WITH COVER, PARALLEL ARM, HOLD OPEN WITH SPRING CUSH, ACCESSORY PLATES AND SPACERS (AS REQUIRED), THRU-BOLT MOUNTED
1 SET PERIMETER WEATHER SEAL GASKETS
1 SET WEATHER SEAL MEETING STILE GASKETS
2 WEATHER SEAL DOOR BOTTOM SWEEPS

SET NO. 3 (DOORS 102, 103)
3 BALL BEARING HINGES
1 SET PUSH / PULL (1" DIAMETER STRAIGHT BENT BAR 10" C.T.C. WITH 4" X 16" PLATES)
1 CLOSER WITH COVER, PARALLEL ARM, CUSH, THRU-BOLT MOUNTED
1 KICK PLATE (0.050" T X 12"H X 2" L.D.W.)
1 WALL STOP

SET NO. 4 (DOOR 108)
3 BALL BEARING HINGES
1 (ANSI FUNCTION NO. F82A) OFFICE LOCK WITH LEVER HANDLES
1 KICK PLATE (0.050" T X 12"H X 2" L.D.W.)
1 WALL STOP

SET NO. 5 (DOOR 109, 110)
3 BALL BEARING HINGES
1 (ANSI FUNCTION NO. F86) STOREROOM LOCK WITH LEVER HANDLES
1 KICK PLATE (0.050" T X 12"H X 2" L.D.W.)
1 WALL STOP

SET NO. 6 (DOOR 113A)
4 BALL BEARING HINGES
1 (ANSI FUNCTION NO. F86) STOREROOM LOCK WITH LEVER HANDLES
1 CLOSER WITH COVER, PARALLEL ARM, CUSH, THRU-BOLT MOUNTED
1 KICK PLATE (0.050" T X 12"H X 2" L.D.W.)
1 DOOR BOTTOM SWEEP
1 SET PERIMETER SEAL GASKETS
1 WALL STOP

SET NO. 7 (DOOR 111)
3 BALL BEARING HINGES
1 EXTERIOR CYLINDER WITH REMOVABLE CORE
1 (ANSI FUNCTION NO. F04) MORTISE ENTRY LOCK WITH LEVER HANDLES ESCUTCHEON TRIM
1 CLOSER WITH COVER, PARALLEL ARM, HOLD OPEN WITH SPRING CUSH, THRU-BOLT MOUNTED
1 KICK PLATE (0.050" T X 12"H X 2" L.D.W.)
1 SET PERIMETER WEATHER SEAL GASKETS
1 WEATHER SEAL DOOR BOTTOM SWEEP
1 THRESHOLD (ADA / ANSI COMPLIANT)
1 RAIN DRIP

SET NO. 8 (DOOR 114)
4 BALL BEARING HINGES
1 EXTERIOR CYLINDER WITH REMOVABLE CORE
1 (ANSI FUNCTION NO. F04) MORTISE ENTRY LOCK WITH LEVER HANDLES AND ESCUTCHEON TRIM
1 CLOSER WITH COVER, PARALLEL ARM, HOLD OPEN WITH SPRING CUSH, THRU-BOLT MOUNTED
1 KICK PLATE (0.050" T X 12"H X 2" L.D.W.)
1 SET PERIMETER WEATHER SEAL GASKETS
1 WEATHER SEAL DOOR BOTTOM SWEEP
1 THRESHOLD (ADA / ANSI COMPLIANT)
1 RAIN DRIP

SET NO. 9 (DOOR 113B)
NOTE: REQUIRED HARDWARE PROVIDED BY SECTIONAL OVERHEAD DOOR MANUFACTURER

GENERAL NOTES

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

HARDWARE NOTES

HARDWARE NOTES:
1. ALL HARDWARE TO BE ADA AND ANSI A117.1 COMPLIANT. CLOSURE SPEEDS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. DOOR OPENING FORCE FOR PUSHING OR PULLING OPEN DOORS, OTHER THAN FIRE DOORS, SHALL BE AS FOLLOWS:
- INTERIOR HINGED DOORS: 5.0 POUNDS MAXIMUM.

2. VERIFY COMPATIBILITY OF HARDWARE SPECIFIED. NOTIFY ARCHITECT OF INCOMPATIBILITY ISSUES PRIOR TO ORDERING AND INSTALLATION.

3. ALL HARDWARE TO BE GRADE 1 (HEAVY DUTY COMMERCIAL).

4. ALL KEYED HARDWARE TO BE COMPATIBLE WITH OWNER'S KEYING (BEST 7 PIN) SYSTEM. ALL EXTERIOR DOORS TO BE KEYED ALIKE. ALL HARDWARE CONTRACTOR FURNISHED AND INSTALLED. COORDINATE ORDERING AND DELIVERY REQUIREMENTS WITH OWNER. SUBMIT CORE SCHEDULE AS SPECIFIED.

KEYING LEGEND

LEVEL 1:
UPGRADED SECURITY: PERIMETER ENTRANCE

LEVEL 2:
BASIC SECURITY: OFFICE, GENERAL STORAGE

LEVEL 3:
BASIC SECURITY: MAINTENANCE, MECHANICAL / ELECTRICAL JANITOR

GLAZING SCHEDULE

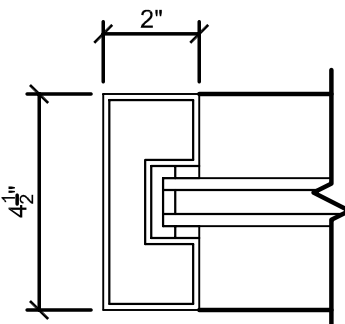
TYPE 1:
1" INSULATED SAFETY (FULLY TEMPERED) GLAZING: (REFER TO PROJECT MANUAL SECTION 08 00 00 GLAZING FOR ADDITIONAL REQUIREMENTS).

EXTERIOR PANE: 1/4" TINTED (GRAY) - (2) SURFACE, HEAT-TREATED (FT) AIR CAVITY: 1/2"
INTERIOR PANE: 1/4" SPUTTER-COATED (LOW-E) - (3) SURFACE, HEAT-TREATED (FT)

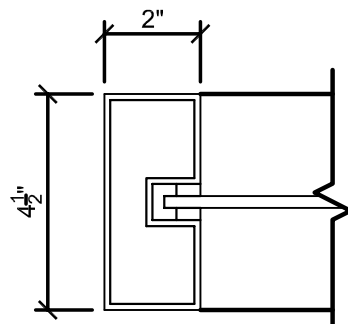
PERFORMANCE REQUIREMENTS:
VISIBLE LIGHT TRANSMITTANCE (VLT): 13
VISIBLE LIGHT REFLECTANCE (EXTERIOR %): 11
VISIBLE LIGHT REFLECTANCE (INTERIOR %): 27
(NFR) U-VALUE (WINTER NIGHTTIME): 0.28
SOLAR HEAT GAIN COEFFICIENT (SHGC): 0.21
LIGHT TO SOLAR GAIN (LSG): 0.93

TYPE 2:
1/4" CLEAR SAFETY (FULLY TEMPERED) GLASS: (REFER TO PROJECT MANUAL SECTION 08 00 00 GLAZING FOR ADDITIONAL REQUIREMENTS).

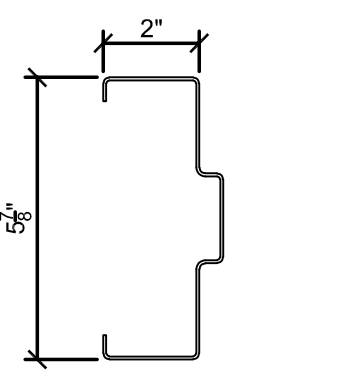
FRAME TYPES



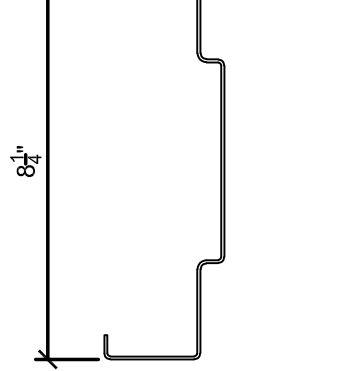
1 ALUMINUM STOREFRONT FRAMING SYSTEM (THERMALLY BROKEN) WITH 1" INSULATED GLAZING. REFER TO GLAZING SCHEDULE FOR GLAZING TYPES.



2 ALUMINUM STOREFRONT FRAMING SYSTEM WITH 1/4" SAFETY GLAZING. REFER TO GLAZING SCHEDULE FOR GLAZING TYPES.

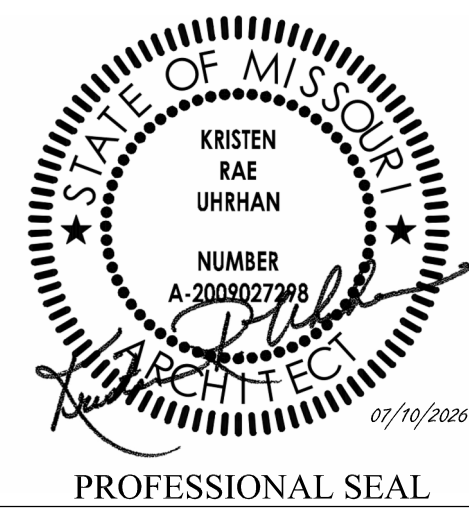


3 WELDED HOLLOW METAL FRAME (16 GA.) WITH (3) MIN. ANCHORS PER JAMB. (1) AT EACH JAMB SILL, AND ADDITIONAL ANCHORS AT HARDWARE LOCATIONS.



4 WELDED HOLLOW METAL FRAME (16 GA.) WITH (3) MIN. ANCHORS PER JAMB. (1) AT EACH JAMB SILL, AND ADDITIONAL ANCHORS AT HARDWARE LOCATIONS.

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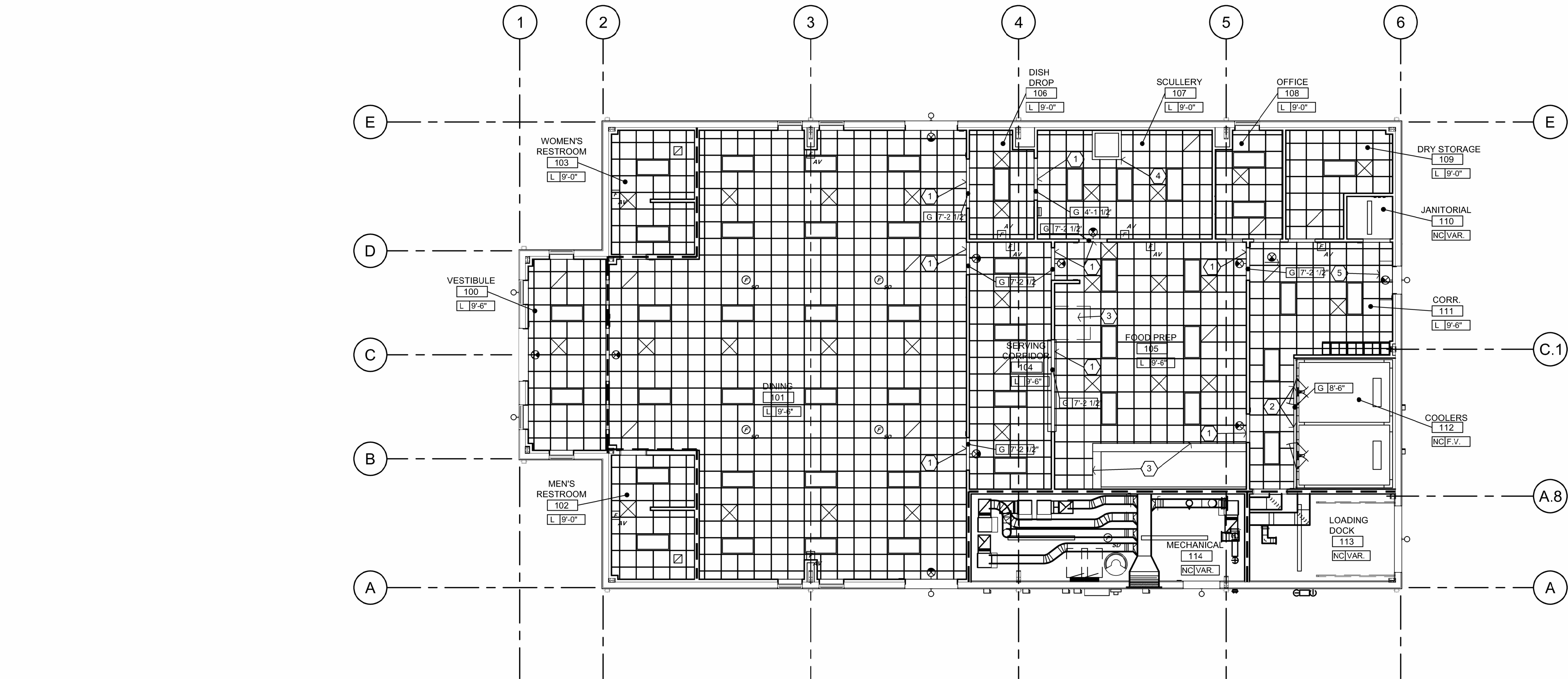
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DESIGNED BY: KU

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DOOR AND WINDOW
SCHEDULES AND
DETAILS

SHEET NUMBER:

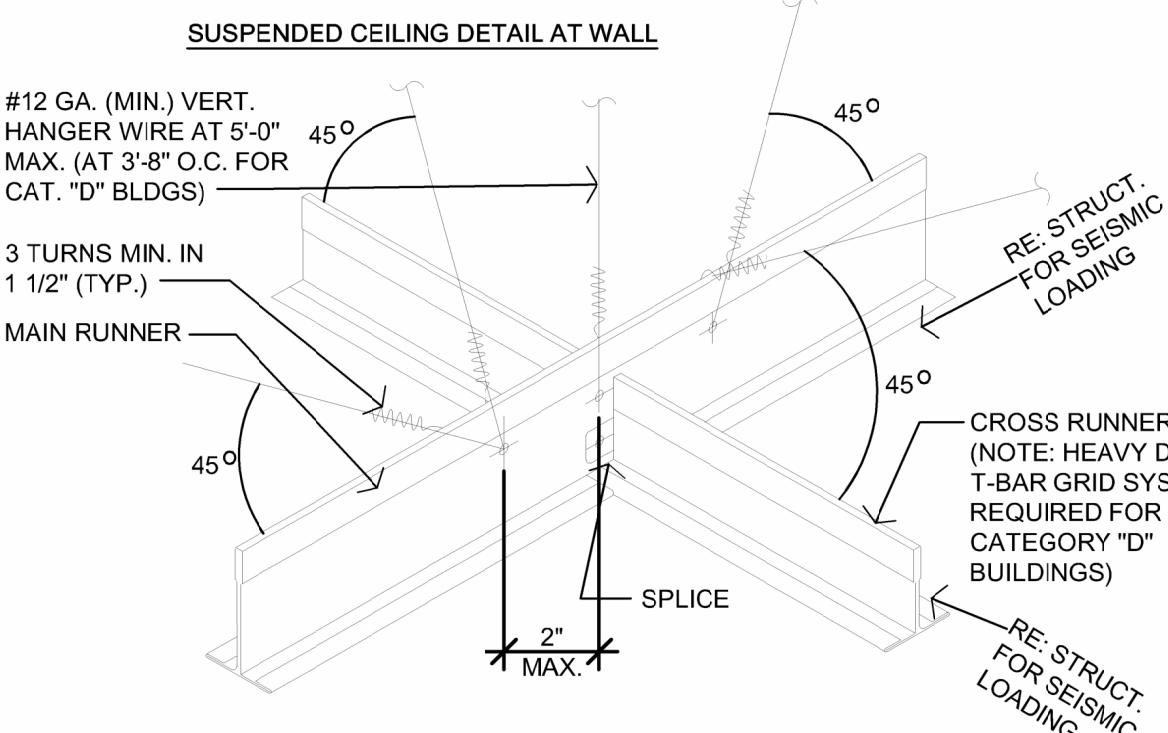
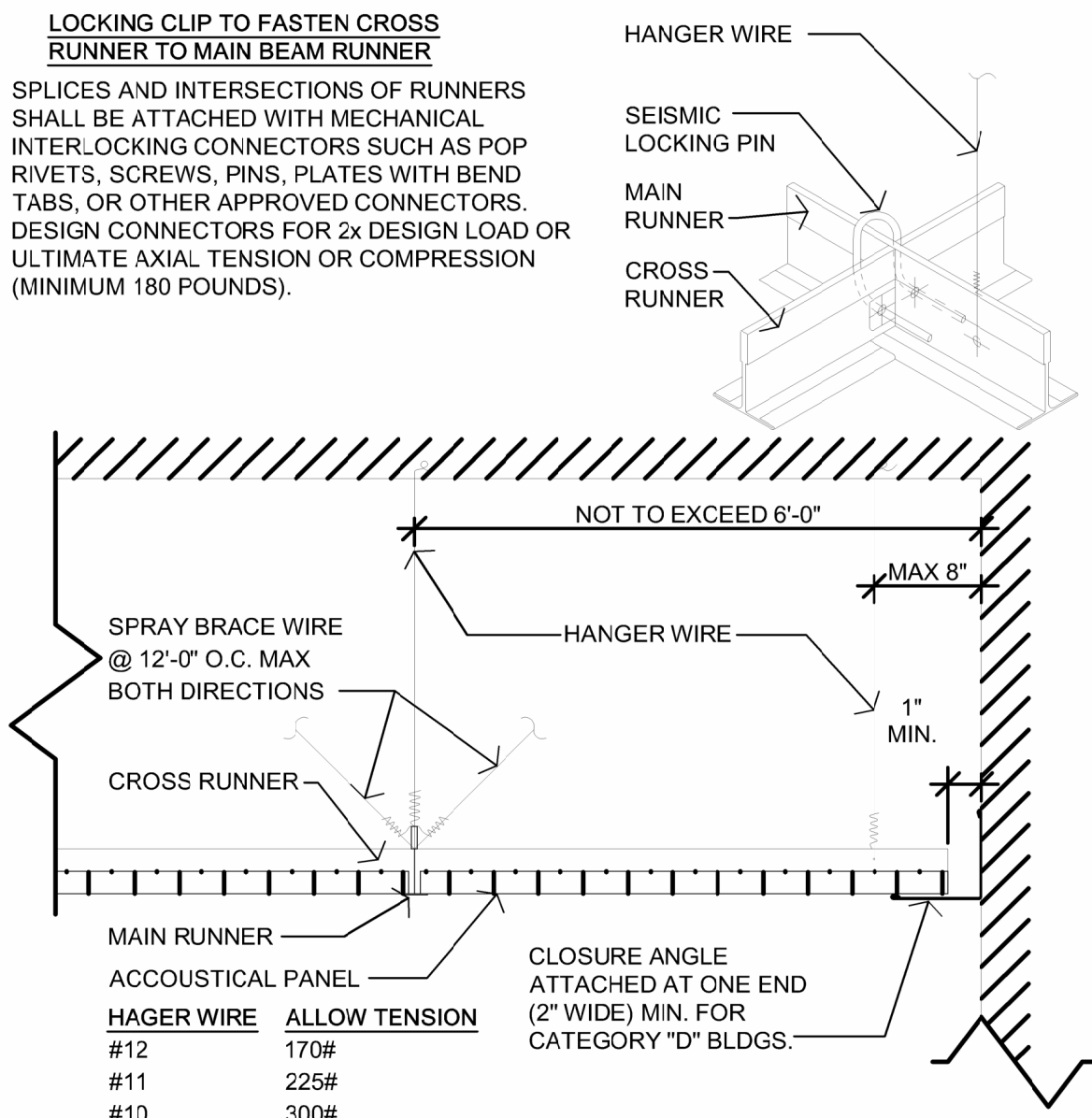
A-601

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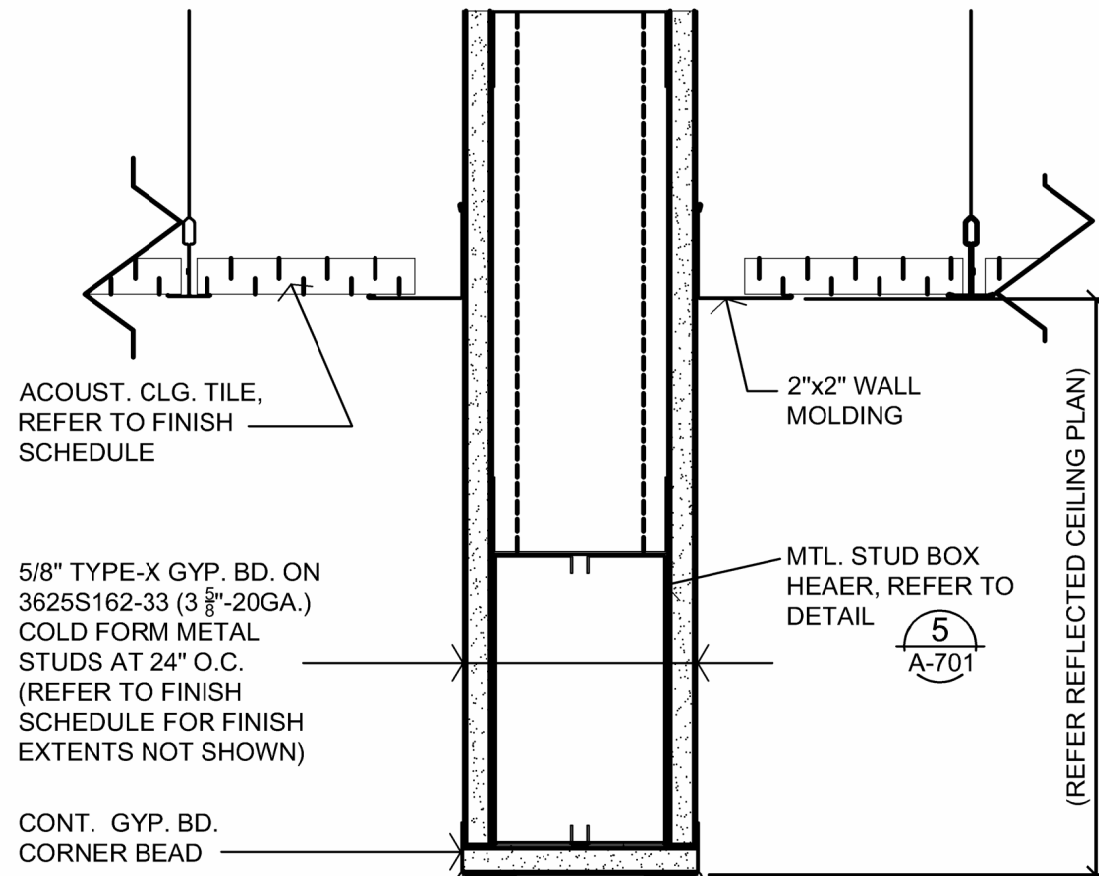
1 REFLECTED CEILING PLAN

1/8" = 1'-0"



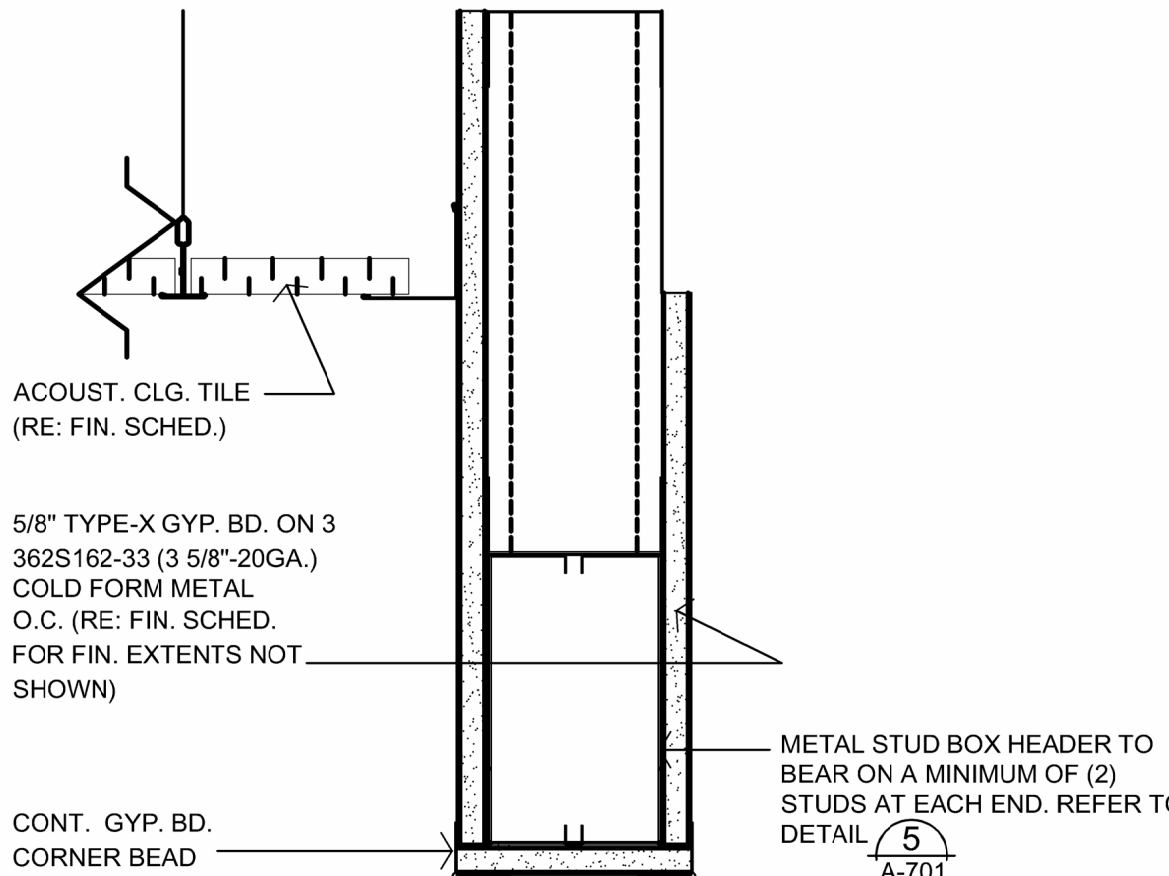
2 SUSPENDED CEILING GRID DETAIL

NTS



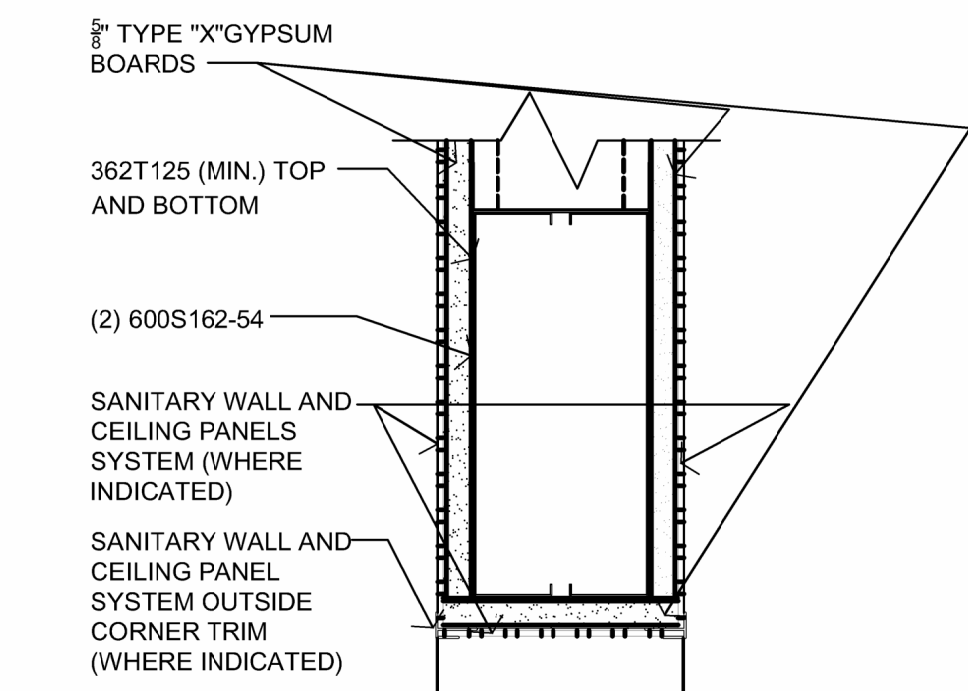
3 HEADER DETAIL

3" = 1'-0"



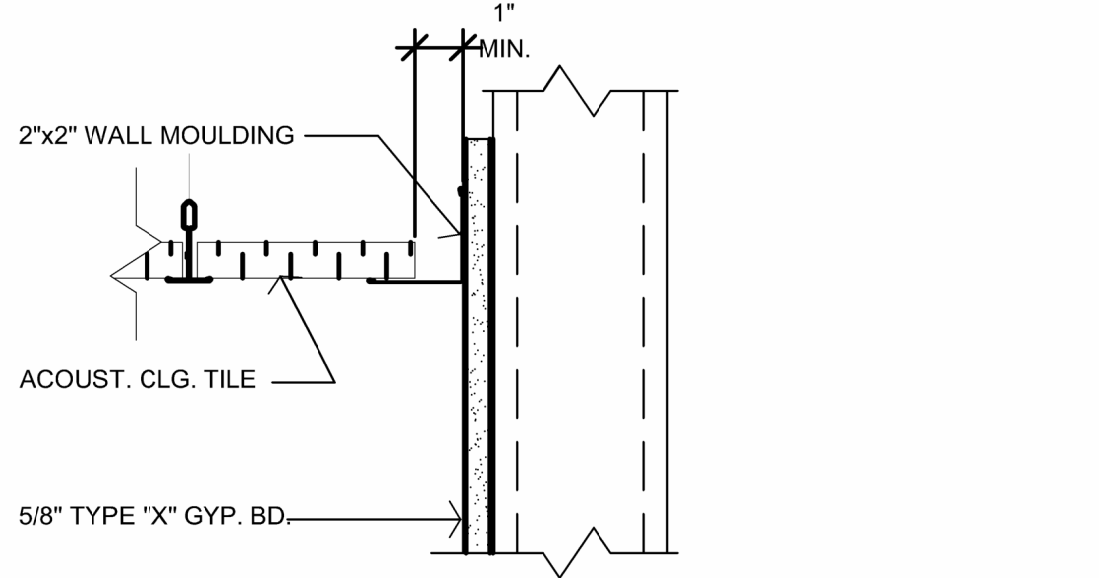
4 HEADER DETAIL

3" = 1'-0"



5 HEADER DETAIL

3" = 1'-0"



6 SUSPENDED CEILING PERIMETER DETAIL

3" = 1'-0"

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

SEISMIC DESIGN CATEGORIES "A" AND "B":
CONFORM TO ASTM C636.

GENERAL NOTES

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

KEY NOTES

- (1) HEADER, REFER TO DETAIL 3/A-701.
- (2) HEADER, REFER TO DETAIL 4/A-701. COORDINATE BOTTOM ELEVATION REQUIRED FOR INSTALLATION OF COOLER SYSTEM.
- (3) KITCHEN EXHAUST HOOD, REFER TO MECHANICAL AND FOOD SERVICE DRAWINGS. VERIFY MOUNTING HEIGHT AND PROVIDE REQUIRED SUPPORT CONSTRUCTION TO ATTACHED TO PRE-ENGINEERED METAL BUILDING STRUCTURAL SYSTEM.
- (4) CONDENSATE EXHAUST HOOD, REFER TO MECHANICAL AND FOOD SERVICE DRAWINGS. VERIFY MOUNTING HEIGHT AND PROVIDE REQUIRED SUPPORT CONSTRUCTION TO ATTACHED TO PRE-ENGINEERED METAL BUILDING STRUCTURAL SYSTEM.
- (5) SURFACE MOUNTED AIR CURTAIN, REFER TO MECHANICAL DRAWINGS. PROVIDE SUPPORT FRAMING AS REQUIRED.

SYMBOLS LEGEND

- LIGHT FIXTURE
- LIGHT FIXTURE
- SUPPLY GRILLE
- RETURN GRILLE
- CEILING TYPE:
C=CONCRETE, NC=EXPOSED STRUCTURE, G=GYP. BD., E=EXISTING, L=LAY-IN ACOUST. TILE, W=WOOD, M=MASSORY, P=PREFIN. METAL, SC=SPECIAL CEILING AFFECT, PC=PRECAST EF=EXT. INSUL. FINISH SYSTEM (EIFS)
- CEILING ELEVATION (ABOVE FINISH FLOOR)
- EXIT LIGHT. SHADED SIDE INDICATES FACE OF EXIT SIGN. ARROW INDICATES TRAVEL DIRECTION(S).
- EMERGENCY LIGHTING W/ BATTERY BACKUP
- WALLS THAT EXTEND TO ROOF STRUCTURE
- CEILING MOUNTED AUDIO/VISUAL FIRE ALARM ANNUNCIATING DEVICE
- CEILING MOUNTED SMOKE DETECTOR

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY
MISSOURI ARMY
NATIONAL GUARD

CONSTRUCT NEW
SOLDIER DINING FACILITY

WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT # T2232-01
SITE # 6325
ASSET # 8136325016

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: JULY 10, 2026

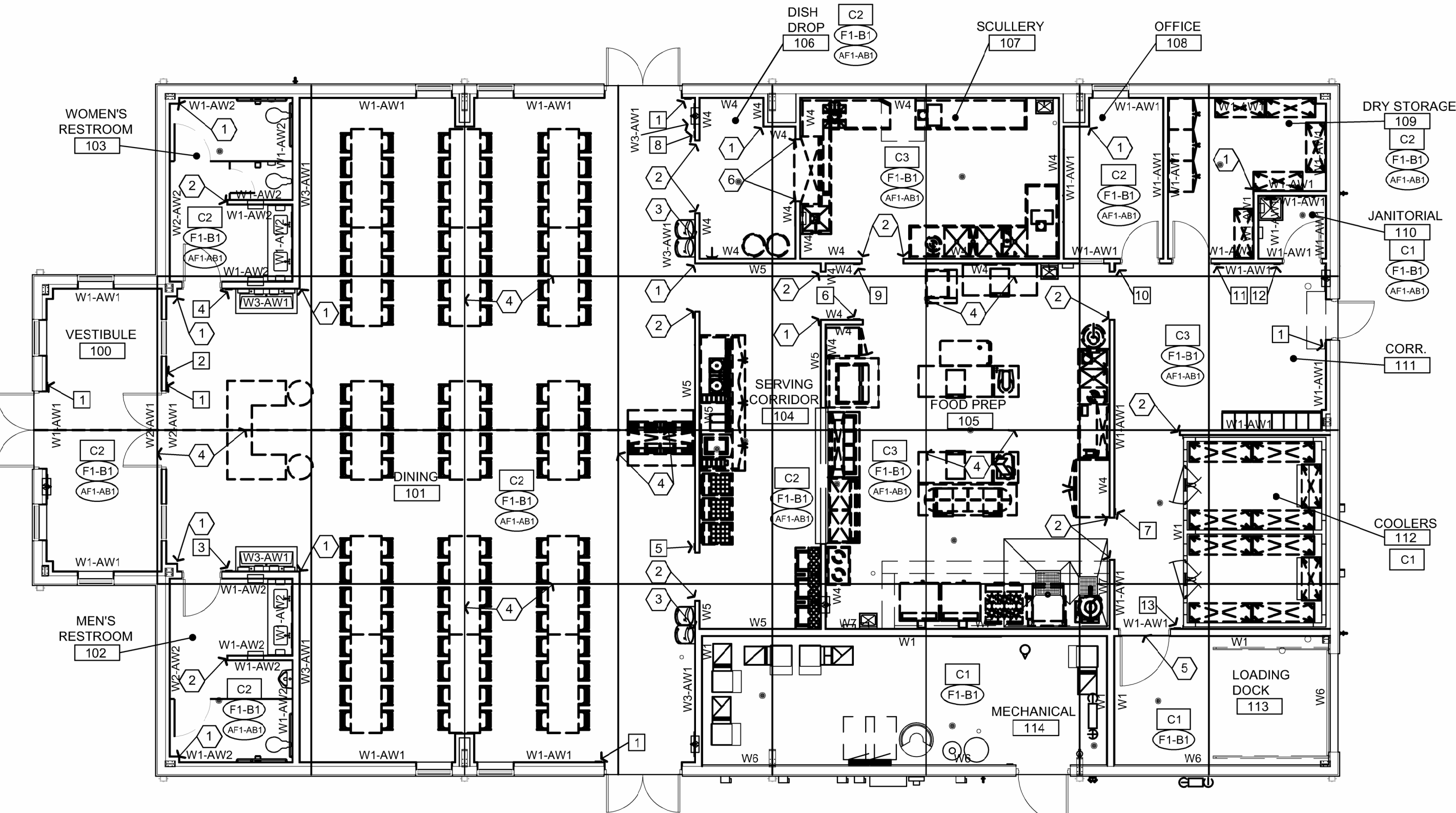
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DRAWN BY: BB
CHECKED BY: KU
DESIGNED BY: KU

SHEET TITLE:
REFLECTED CEILING
PLAN AND DETAILS

SHEET NUMBER:

A-701

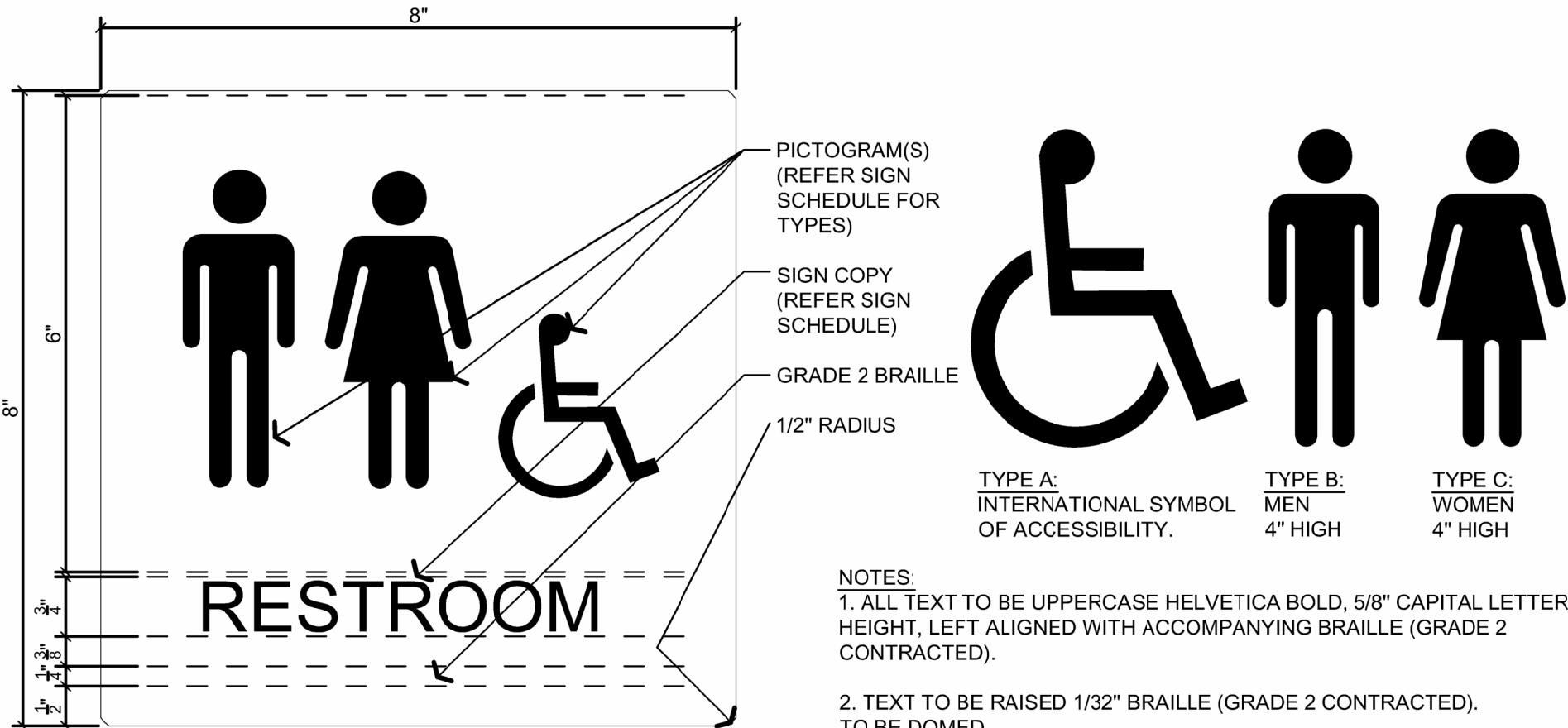
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ALTERNATE NO. 2:
(RESINOUS FLOORING AND HIGH PERFORMANCE COATINGS).

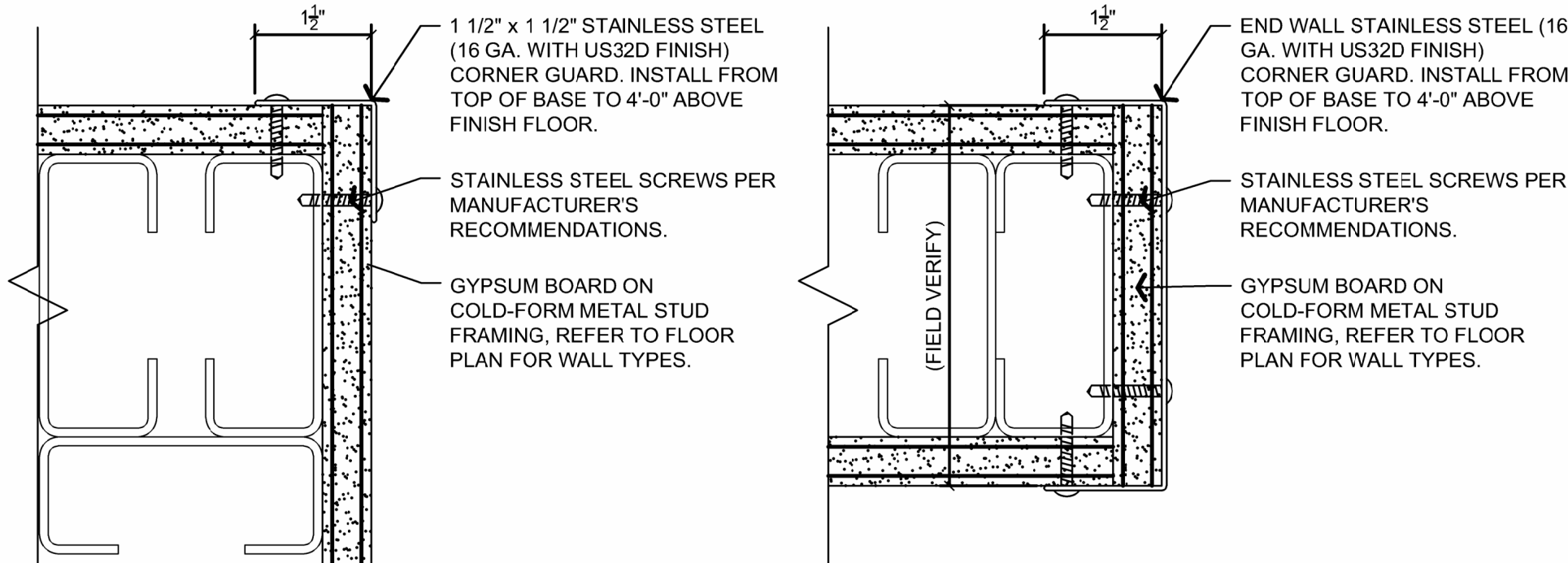
1 INTERIOR FINISH PLAN

1/8" = 1'-0"



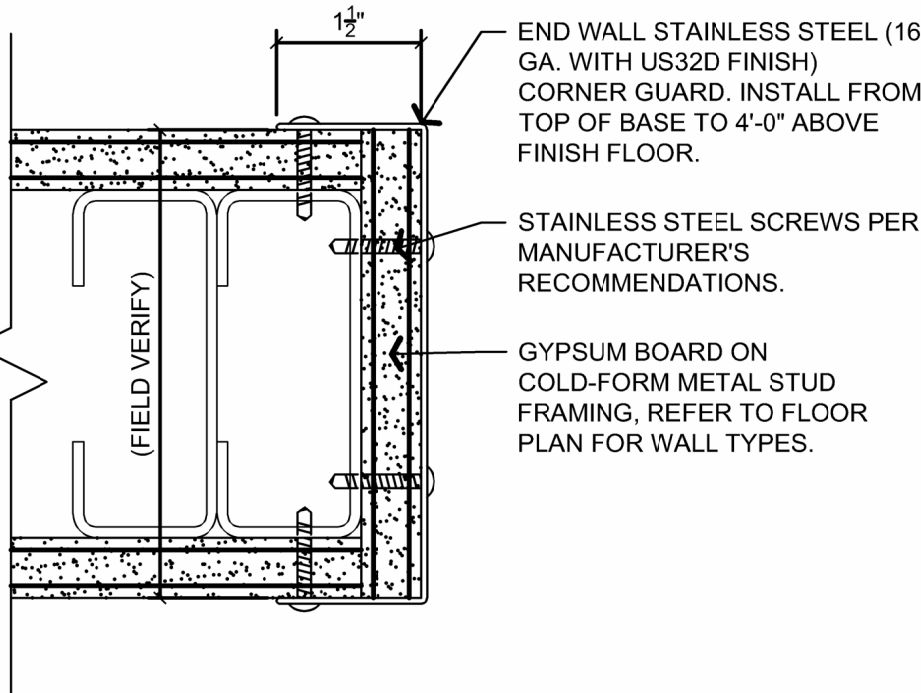
2 PICTOGRAM SIGNS

6" = 1'-0"



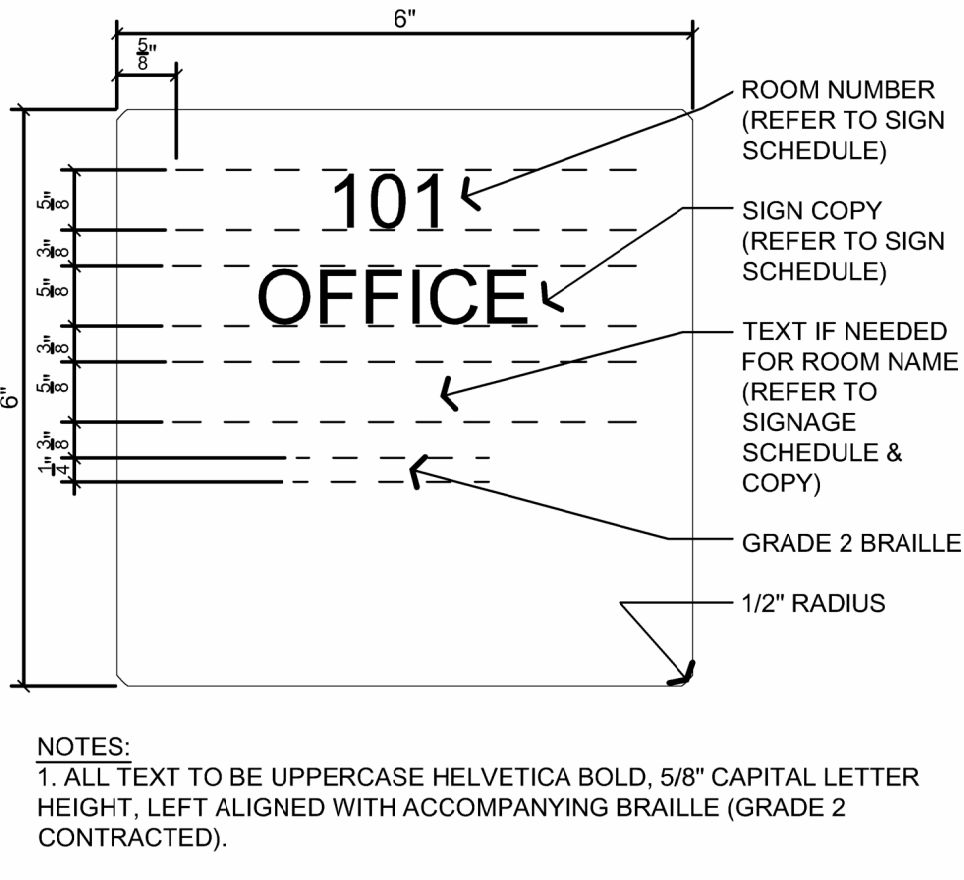
5 CORNER GUARD

6" = 1'-0"



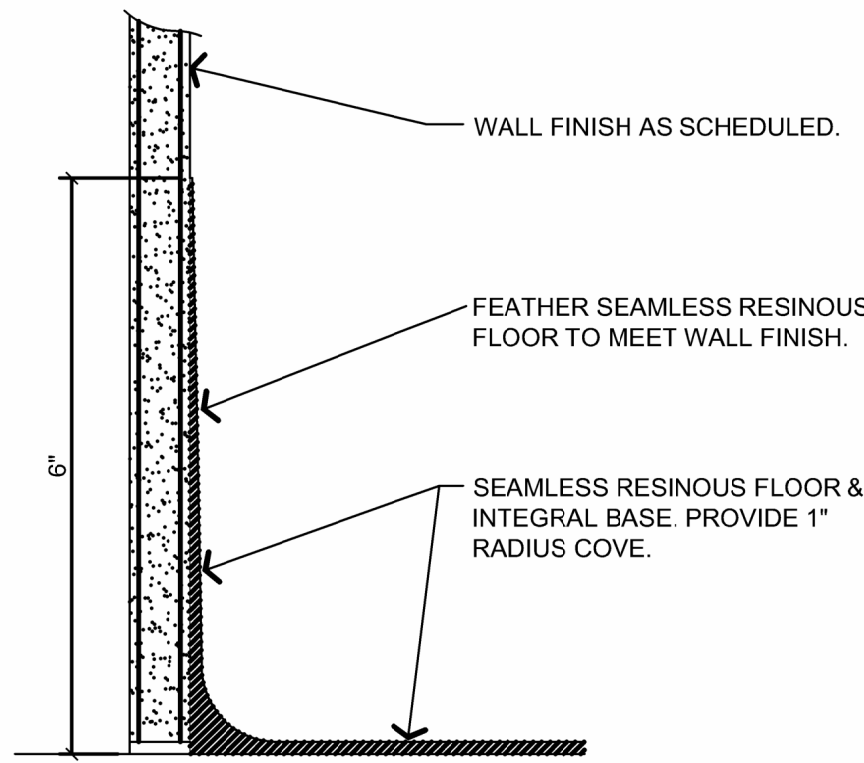
6 CORNER GUARD

6" = 1'-0"



3 ROOM SIGNS

6" = 1'-0"



7 COVE BASE

6" = 1'-0"

INTERIOR FINISH TYPES

- SS1** SOLID SURFACE FABRICATIONS
TYPE: SOLID SURFACE MILLWORK AND WINDOW SILLS
MFG: WILSONART OR EQUAL (BASIS FOR DESIGN)
COLOR: MIDNIGHT FROST 9244SS
LAVATORY: WILSONART "AV1812" OR EQUAL (BASIS FOR DESIGN)
- SP1** SPECIALTIES
TYPE: TOILET COMPARTMENTS
MFG: ASI - ACCURATE PARTITIONS OR EQUAL (BASIS FOR DESIGN)
COLOR: GRAPHITE GRAFIX 3020
- SP2** TYPE: METAL LOCKERS
MFG: Penco OR EQUAL (BASIS FOR DESIGN)
COLOR: 949 JET BLACK
- WS1** FURNISHINGS
TYPE: ROLLER WINDOW SHADES
MFG: MECO SHADE OR EQUAL (BASIS FOR DESIGN)
SERIES: THERMOVEIL 1500 SERIES
OPENING: 3 PERCENT
COLOR: 1519 SILVER BIRCH

INTERIOR FINISH TYPES

- F1** FLOORS
TYPE: EXPOSED CONCRETE WITH LIQUID DENSIFIER TREATMENT
MFG: (REFER TO PROJECT MANUAL)
COLOR: CLEAR
- AF1** TYPE: SEAMLESS RESINOUS FLOORING (ALTERNATE NO. 1)
MFG: "DUR-A-CHIP" (BASIS OF DESIGN)
SERIES: COBBLESTONE (GRAY WITH BLACK, BEIGE AND WHITE FLAKES)
FINISH: MACRO/ COURSE (NON-SLIP)
ALTERNATE NOTES:
1. PROVIDE RESINOUS FLOORING IN LIEU OF FLOOR TYPE "F1".
2. REFER TO DETAIL 7/I-101
- B1** BASE
TYPE: RESILIENT BASE
MFG: JOHNSONITE OR EQUAL (BASIS FOR DESIGN)
MATERIAL: RUBBER
COLOR: 40 BLACK
SIZE: 6" (TYPE TS)
- AB1** TYPE: SEAMLESS RESINOUS FLOORING BASE (ALTERNATE NO. 1)
MFG: "DUR-A-FLEX" - DUR-A-CHIP (BASIS OF DESIGN)
SERIES: COBBLESTONE (GRAY WITH BLACK, GRAY, BEIGE AND WHITE FLAKES)
FINISH: MACRO/ COURSE (NON-SLIP)
ALTERNATE NOTES:
1. PROVIDE RESINOUS FLOORING BASE IN LIEU OF BASE TYPE "B1".
2. REFER TO DETAIL 7/I-101.
- W1** WALLS
TYPE: GYPSUM BOARD
FINISH: PAINT (FIELD)
MFG: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN)
COLOR: SW 7029 (AGREEABLE GRAY)
SHEEN: SEMI-GLOSS
- W2** TYPE: GYPSUM BOARD
FINISH: PAINT (ACCENT)
MFG: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN)
COLOR: SW 6102 (PORTABELLO)
FINISH: SEMI-GLOSS
- W3** TYPE: GYPSUM BOARD
FINISH: PAINT (ACCENT)
MFG: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN)
COLOR: SW 6425 (RELENTLESS OLIVE)
FINISH: SEMI-GLOSS
- W4** TYPE: SANITARY WALL PANEL SYSTEM
MFG: MARLITE OR EQUAL (BASIS FOR DESIGN)
SERIES: STANDARD FRP
FINISH: SMOOTH
COLOR: S 100 S2/S WHITE
- W5** TYPE: SANITARY WALL PANEL SYSTEM
MFG: MARLITE OR EQUAL (BASIS FOR DESIGN)
SERIES: SYMMETRIC FRP
FINISH: SUBWAY TILE
COLOR: C100-G63 WHITE
- W6** TYPE: PRE-ENGINEERED METAL BUILDING LINER PANEL
MFG: BUTLER MANUFACTURING OR EQUAL (BASIS FOR DESIGN)
STYLE: BUTLERIE II
COLOR: COOL IVORY WHITE
- W7** TYPE: STAINLESS STEEL FULL HEIGHT WALL PROTECTION
MFG: (TO BE SELECTED)
FINISH: 24 GA. US32D
- AW1** HIGH PERFORMANCE COATINGS - EPOXY (ALTERNATE NO. 1)
TYPE: GYPSUM BOARD
FINISH: HIGH PERFORMANCE COATING
MFG: "DUR-A-FLEX" - DUR-A-WAL HP PLUS (BASIS OF DESIGN)
COLOR: REFER TO BASE BID PAINT COLOR
SHEEN: SATIN
ALTERNATE NOTES:
1. PROVIDE EPOXY WALL COATING IN LIEU OF PAINT.
2. EPOXY WALL COATING TO EXTEND FROM FINISH FLOOR TO 4'-0" ABOVE FINISH FLOOR. PAINT AS SCHEDULED TO EXTEND FROM 4'-0" TO CEILING. COLOR TO MATCH PAINT COLOR INDICATED.
- AW2** HIGH PERFORMANCE COATINGS - EPOXY (ALTERNATE NO. 1)
TYPE: GYPSUM BOARD
FINISH: HIGH PERFORMANCE COATING
MFG: "DUR-A-FLEX" - DUR-A-WAL HP PLUS (BASIS OF DESIGN)
COLOR: REFER TO BASE BID PAINT COLOR
ALTERNATE NOTES:
1. PROVIDE EPOXY WALL COATING IN LIEU OF PAINT.
2. EPOXY WALL COATING TO EXTEND FULL WALL HEIGHT. COLOR TO MATCH PAINT COLOR INDICATED.
- C1** CEILINGS
TYPE: EXPOSED STRUCTURE
FINISH: UNFINISHED
COLOR: (AS MANUFACTURED)
- C2** TYPE: SUSPENDED ACOUSTICAL CEILING
MFG: ARMSTRONG OR EQUAL (BASIS FOR DESIGN)
STYLE: DUNE
ITEM NO.: 1774
SIZE: 24"x24"x5/8"
EDGE: ANGLED REGULAR
COLOR: WHITE
GRID: TYPE 1 - ALUMINUM 15/16" EXPOSED TEE
COLOR: WHITE
- C3** TYPE: SUSPENDED ACOUSTICAL CEILING
MFG: ARMSTRONG OR EQUAL (BASIS FOR DESIGN)
STYLE: CLEAN ROOM VL (UNPERFORATED)
ITEM NO.: 868
SIZE: 24"x24"x5/8"
EDGE: SQUARE
COLOR: WHITE
GRID: TYPE 1 - ALUMINUM 15/16" EXPOSED TEE
COLOR: WHITE
- D1** DOORS AND FRAMES
TYPE: INTERIOR HOLLOW METAL DOORS & FRAMES
FINISH: PAINT
MFG: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN)
COLOR: SW 6991 (BLACK MAGIC) (MATCH "B1")
SHEEN: SEMI-GLOSS
- D2** TYPE: INTERIOR SOLID CORE WOOD DOORS
DOOR MFG: (TO BE SELECTED).
WOOD SPECIES: RED OAK
MFG: SHERWIN WILLIAMS MINWAX OR EQUAL (BASIS FOR DESIGN)
STAIN: MW 449 (HORNBEAM)
SHEEN: SATIN
- D3** TYPE: EXTERIOR HOLLOW METAL DOORS & FRAMES
MFG: SHERWIN WILLIAMS OR EQUAL (BASIS FOR DESIGN)
COLOR: SW 6991 (BLACK MAGIC) (MATCH B1)
SHEEN: SEMI-GLOSS

GENERAL NOTES

- A** REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- B** FINAL COLORS AND TEXTURES TO BE SELECTED BY FROM MANUFACTURER'S FULL RANGE OF SPECIFIED SAMPLES.
- C** PROVIDE FLOORING TRANSITIONS, REDUCERS AND EDGING AS REQUIRED FOR SPECIFIC CONDITIONS.
- D** REFER TO EXTERIOR FINISH SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- E** REFER TO ELEVATIONS, SECTIONS, AND DETAILS FOR ADDITIONAL REQUIREMENTS.
- F** REFER TO REFLECTED CEILING PLAN FOR ADDITIONAL REQUIREMENTS.
- G** GYPSUM BOARD FINISH TEXTURE TO BE SMOOTH FINISH ON LEVEL (S) SURFACE. FINAL TEXTURE TO BE SELECTED BY FROM SPECIFIED SAMPLES.
- H** ALL WALLS TO BE PAINTED "W1" UNLESS OTHERWISE INDICATED.
- I** ALL BASE TO BE "B1" UNLESS OTHERWISE INDICATED.
- J** ALL INTERIOR HOLLOW METAL DOORS AND FRAMES TO BE PAINTED "D1". ALL INTERIOR WOOD DOORS TO BE FINISHED "D2". ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES TO BE PAINTED "D3", UNLESS OTHERWISE INDICATE.
- K** ALL TOILET COMPARTMENTS TO BE FINISH TYPE "SP1".
- L** ALL MILLWORK AND WINDOW SILL SOLID SURFACE FABRICATIONS TO BE FINISH TYPE "SS1", UNLESS OTHERWISE INDICATED.
- M** ALL EXTERIOR WINDOW OPENINGS SHALL HAVE ROLLER WINDOW SHADES AND TO BE FINISH TYPE "WS1".
- N** METAL LOCKERS TO BE FINISH TYPE "SP2".
- O** PROVIDE SEALANT AT ALL EXPOSED CONCRETE FLOOR JOINTS. COLOR TO MATCH NATURAL CONCRETE GRAY.
- P** ELECTRICAL DEVICES AND COVER PLATES TO BE WHITE FINISH, UNLESS OTHERWISE INDICATED.

KEY NOTES

- 1** CORNER GUARD, REFER TO DETAIL 5/I-101.
- 2** WALL END CORNER GUARD, REFER TO DETAIL 6/I-101.
- 3** DRINKING FOUNTAIN STAINLESS STEEL (24 GA. WITH US32D FINISH) WALL COVERING WITH EXPOSED EDGES BEVELED, REFER TO INTERIOR ELEVATIONS.
- 4** CONCRETE FLOOR JOINTS, REFER TO STRUCTURAL DRAWINGS FOR TYPES. PROVIDE SEALANT AT EXPOSED LOCATIONS (TYPICAL).
- 5** RESIN FLOORING TO CONCRETE FLOOR FINISH TRANSITION, REFER TO DETAIL 8/I-101 (ALTERNATE NO. 2).
- 6** STAINLESS STEEL CASED OPENING FABRICATION, REFER TO FOOD SERVICE DRAWINGS FOR ADDITIONAL REQUIREMENTS.

SIGNAGE GENERAL NOTES

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

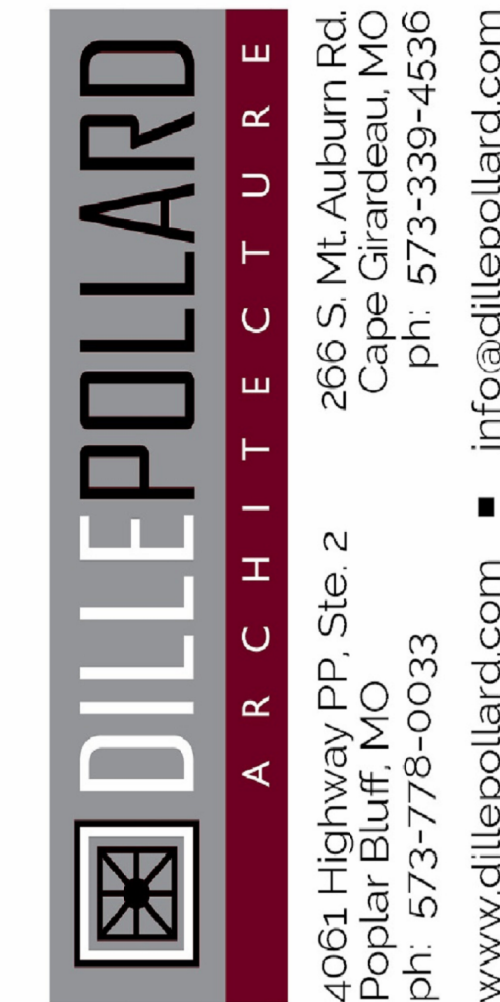
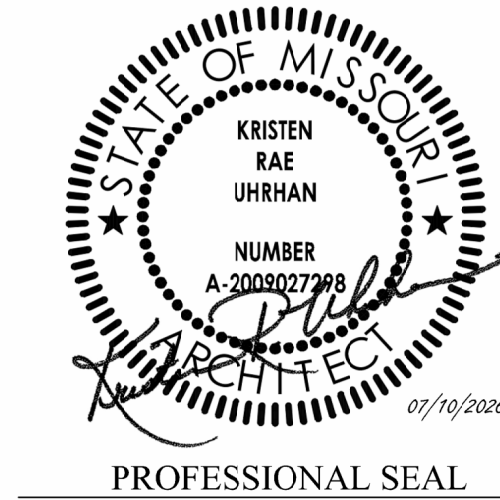
SIGNAGE SCHEDULE

SIGN NO.	ROOM NO.	SIGN TYPE	SIGN COPY	PICTOGRAMS TYPE(S)
1	100, 101, 111	2/I-101	EXIT	A
2	101	3/I-101	OCCUPANCY LOAD 132	
3	101	2/I-101	MEN	A & B
4	103	2/I-101	WOMEN	A & C
5	104	3/I-101	SERVING CORRIDOR	
6	105	3/I-101	FOOD PREP	
7	105	3/I-101	FOOD PREP	
8	106	3/I-101	DISH DROP	
9	107	3/I-101	SCULLERY	
10	108	3/I-101	OFFICE	
11	109	3/I-101	DRY STORAGE	
12	110	3/I-101	JANITORIAL	
13	113	3/I-101	LOADING DOCK	

SYMBOL LEGEND

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

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
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MISSOURI ARMY
NATIONAL GUARD

CONSTRUCT NEW
SOLDIER DINING FACILITY

WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT # T2232-01
SITE # 6325
ASSET # 8136325016

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: JULY 10, 2026

CAD DWG FILE: I-101.DWG
DRAWN BY: BB
CHECKED BY: KU
DESIGNED BY: KU

SHEET TITLE:
INTERIOR FINISH PLAN
AND DETAILS

SHEET NUMBER:

I-101

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STRUCTURAL GENERAL NOTES

DIVISION 1 - GENERAL REQUIREMENTS

- 1.1. CONSTRUCTION MEANS AND METHODS
- A. Contractor agrees that Contractor shall assume sole and complete responsibility for job site conditions during the course of the Work, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that Contractor shall defend, indemnify and hold ASDG, LLC harmless from any and all liability, real or alleged, in connection with the performance of the Work on this Project, excepting for liability arising from the sole negligence of ASDG, LLC.
- B. The Contract Documents represent the finished structure. They do not include the method of construction. Contractor shall provide all measures necessary to protect the new and existing structures during construction. Such measures shall include, but not be limited to: bracing, earth retention systems, shoring for loads due to construction equipment, temporary structures, and partially completed work. Observation visits to the site by ASDG, LLC shall not include inspection of the above items.
- C. ASDG, LLC shall not have control over or charge of and shall not be responsible in any way for construction means, methods, techniques, sequences, or procedures, or for safety or safety precautions and programs in connection with any construction activities, since these are solely Contractor's responsibility under the Contract.
- D. ASDG, LLC shall not be responsible for Contractor's schedule or failures to carry out any construction activities in accordance with the Contract Documents. ASDG, LLC shall not have control over or charge of actions of Contractor, Subcontractor, or any of their Agents, or employees, or any other persons performing portions of any construction activities.
- E. The structure is stable only in its completed form. Temporary supports required for stability of the structure during all intermediate stages of construction shall be designed and provided by Contractor.
- 1.2. SUBMITTALS
- A. Submittals prepared by Subcontractors shall be reviewed by Contractor prior to submitting to Architect.
- B. Contractor shall verify the structurally supported equipment weights, opening sizes, and locations indicated on the Structural Drawings with Documents from other disciplines and notify Architect of any discrepancies.
- C. Contractor shall submit Shop Drawings showing size, method of anchorage, weight, openings, and locations of equipment not indicated on the Structural Drawings prior to ordering for review by ASDG, LLC to determine adequacy of the structure.
- D. All submittals reviewed by ASDG, LLC are reviewed for general conformance with the design concept of the Project and general compliance with the information included in the Contract Documents. Any action indicated is subject to the requirements of the Contract Documents. Contractor is responsible for correlating and confirming dimensions at the job site, choice of fabrication processes and techniques of construction, and coordination of the work with that of other trades.
- 1.3. QUALITY REQUIREMENTS
- A. Reference to standard specifications or codes of any technical society, organization, or association or to codes of local or state authorities, shall mean the standards in effect as of date of the Contract Documents, unless otherwise noted.
- B. Contract Documents shall govern in the event of a conflict with standard specifications or codes of any technical society, organization, or association.
- C. No provision of any referenced standard specification or code, whether or not specifically incorporated by reference in the Contract Documents, shall be effective to change the duties and responsibilities of Owner, Architect, ASDG, LLC, Contractor, or any of their Consultants, Agents, or employees from those set forth in the Contract Documents, nor shall it be effective to assign to ASDG, LLC or any of ASDG, LLC's Consultants, Agents, or employees any duty or authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibilities contrary to the provisions of the Contract Documents.
- D. All omissions and conflicts within the Contract Documents shall be brought to the attention of Architect prior to proceeding with the Work.
- E. Contractor shall verify dimensions and conditions at the job site. Any discrepancies between the conditions found and those indicated in the Contract Documents shall be brought to the attention of Architect prior to proceeding with the Work.
- F. See Documents by other disciplines for floor, wall, and roof openings, trenches, pits, pipe sleeves, equipment pads, miscellaneous iron, etc.
- G. No pipes, ducts, chases, etc. shall be placed in structural beam and column members nor shall any structural member be cut for pipes, ducts, etc., unless noted otherwise. Notify ASDG, LLC when Documents by other disciplines show openings, pockets, etc. not indicated in the Structural Drawings, but are located in structural members. Contractor shall obtain prior approval from ASDG, LLC for installation of such pipes, ducts, chases, etc.
- H. Details labeled "Typical" on the Structural Drawings apply to all situations occurring on Project that are the same or similar to those locations specifically indicated. Where a detail is not indicated, the detail shall be the same as for other similar conditions.
- I. Contractor designed elements shall be designed by Licensed Professional Engineers registered in the State where Project is located. For permanent building components, contractor shall submit Shop Drawings, design load data, support reactions, and certification that elements were designed for loads specified in the Contract Documents or in the Building Code. All documents noted shall be sealed by the licensed Engineer. If criteria indicated are not sufficient, submit a written request for additional information to Architect. The following elements and their connections shall be Contractor designed:
1. Temporary bracing and shoring
 2. Earth retention systems necessary for safe excavation
 3. Prefabricated buildings
- 1.4. SPECIAL INSPECTIONS
- A. Special inspections shall be in accordance with the Building Code.
- B. Special inspection reports shall be furnished to Building Official, Owner, Architect, ASDG, LLC, and Contractor. Discrepancies shall be brought to the attention of Contractor, and if not corrected, shall be reported to Building Official, Owner, Architect, and ASDG, LLC.
- C. The Special Inspector shall submit a final report stating that the structural work was, to the best of the Special Inspector's knowledge, performed in accordance with the Contract Documents.
- D. The following types of work require Special Inspections: (Refer to the Building Code and Specifications for detailed inspection requirements.)
1. Prepared Fill
 2. Soil Bearing Capacity
 3. Concrete Construction
 4. Steel Construction
- 1.5. DESIGN CRITERIA
- A. The structure is designed in accordance with the IBC International Building Code, 2018 Edition.
- B. No provisions have been made for future horizontal or vertical expansion.
- C. Gravity Loads:
1. Uniform Roof Dead Loads:
 - a. Roof Dead Load: See PEMB drawings
 - b. Roof Collateral Load: 10 psf
 - c. Sprinkler Loads:
 - 1) Uniform Branch Pipe Load: 1.0 psf
 - 2) Main Pipe Load: 25.0 plf
 2. Concentrated Roof Dead Loads:
 - a. Kitchen hood and other suspended equipment: See Arch and MEP drawings.
 - b. Rooftop mechanical units, exhaust fans, and other rooftop equipment: See Arch and MEP drawings.
 3. Uniform Roof Live Loads:
 - a. Live Load: 20 psf
 - b. Snow Load:
 - 1) Ground Snow Load: 15 psf
 - 2) Flat Roof Snow Load: 10.5 psf
 - 3) Drift Load: As specified by the referenced building code for each individual situation
 4. Snow Exposure Factor: 1.0
 5. Snow Importance Factor: 1.0
 6. Snow Thermal Factor: 1.0

- D. Lateral Loads:
1. Wind Loads:
 - a. Basic Wind Speed: 105 MPH
 - b. Risk Category: II
 - c. Exposure: C
 - d. Internal Pressure Coefficient: +/-0.18
 - e. Design Wind Pressures: See PEMB drawings
 2. Earthquake Load:
 - a. Risk Category: II
 - b. Importance Factor: 1.0
 - c. Mapped Spectral Acceleration at short periods, Ss: 0.908
 - d. Mapped Spectral Acceleration at 1-second, S1: 0.340
 - e. Site Class: C
 - f. Design Spectral Acceleration at short periods, Sds: 0.740
 - g. Design Spectral Acceleration at 1-second, Sd1: 0.340
 - h. Seismic Design Category: D
 - i. Analysis Procedure: Equivalent lateral force procedure
 - j. Basic Structural System: Building Frame System
 - k. Seismic Resisting System: Ordinary Steel Moment Frames
 - 1) Design Base Shear, V: See PEMB drawings
 - 2) Seismic Response Coefficient, Cs: 0.226
 - 3) Response Modification Factor, R: 3.5
 - 4) System Overstrength Factor, Omega: 3.0
 - 5) Deflection Amplification Factor, Cd: 3.0
 - l. Seismic Resisting System: Ordinary Steel Concentric Braced Frames
 - 1) Design Base Shear, V: See PEMB drawings
 - 2) Seismic Response Coefficient, Cs: 0.243
 - 3) Response Modification Factor, R: 3.25
 - 4) System Overstrength Factor, Omega: 2.0
 - 5) Deflection Amplification Factor, Cd: 3.25

DIVISION 2 - FOUNDATIONS

- 2.1. GENERAL
- A. Foundation design is based upon recommendations in the geotechnical report P210186 prepared by Smith & Co. Engineers dated September 23, 2021. The On-site Geotechnical Representative shall observe and certify the bearing medium for all foundations. Any unusual conditions or inadequate bearing conditions shall be reported to ASDG, LLC.
- B. Recommendations contained within the geotechnical report are to be considered part of the contract documents unless specifically modified herein.
- C. Excavations shall be kept free of loose material and standing water.
- 2.2. EARTH RETENTION
- A. The safe retention of all excavations is the complete and sole responsibility of the Contractor. This responsibility includes sheet pile, soldier pile, lagging, tieback, brace, deadman and shotcrete component design, determination of installation sequences and coordination with existing structures and utilities.
- B. Retention systems shall protect all new and existing structures and utilities from damage during the entire excavation and backfill sequence, until all permanent structures are installed and have attained full design strength.
- C. Do not excavate below existing footings or utilities until the associated earth retention systems are installed.
- 2.3. FOOTINGS
- A. All footings shall bear on and be formed by clean, undisturbed, virgin, sub-soil, or compacted engineered fill with an allowable bearing pressure of 2,500 psf.
1. No footing shall bear on rock. Undercut rock a minimum of 2 feet below the bottom of footing and replace with compacted engineered fill.
 2. Unsatisfactory bearing conditions shall be corrected per Section 5/5-501.
 3. Excavations in the vicinity of footings shall comply with Section 6/5-501.
 4. Excavations for utilities entering the building under exterior footings shall comply with Section 7/5-501.

DIVISION 3 - CONCRETE

- 3.1. REINFORCING
- A. GENERAL
1. Reinforcing steel shall be ASTM A615, Grade 60, deformed bars, unless noted otherwise. Welding of ASTM A615, Grade 60 reinforcing is not allowed.
 2. Reinforcing steel to be welded or field bent shall be ASTM A706, deformed bars.
 3. Welded wire fabric shall be ASTM A185 and shall be contact lap spliced two full wire spaces.
 4. All reinforcing bars shall be detailed, fabricated, supported, and placed in accordance with ACI 318-19 "Details and Detailing of Concrete Reinforcement" and CRSI's "Manual of Standard Practice," 1998.
 5. Reinforcing, including dowels, shall be securely tied and cast with the lower member. Placing reinforcing after concrete has been placed is not permitted.
 6. Field bending of reinforcing partially embedded in concrete is not allowed unless specifically noted in the Structural Documents or approved by ASDG, LLC.
 7. Adhesive for post-installed reinforcing dowels into concrete shall be Hilti HIT-HY 200 Adhesive Anchoring System installed per SafeSet Technology written instructions, or approved equal. Minimum embedment length shall be as follows, unless noted otherwise:

#3 bars -- 4.5"	#1 bars -- 10.5"
#4 bars -- 6.0"	#8 bars -- 12.0"
#5 bars -- 7.5"	
#6 bars -- 9.0"	
 8. Mechanical couplers shall be uni-axial type capable of developing 125% of the specified yield strength of the bar in tension.
 9. All reinforcing shall be contact lap spliced or doweled as follows:

#3 bars -- 28"	#1 bars -- 81"
#4 bars -- 37"	#8 bars -- 43"
#5 bars -- 47"	#4 bars -- 105"
#6 bars -- 56"	#10 bars -- 118"
	#11 bars -- 131"
- 3.2. CAST-IN-PLACE CONCRETE
- A. Reinforced concrete shall be normal weight and have a minimum 28-day compressive strength of 4,000 psi.
- B. Lean concrete (for fill under footings and exterior door frost blocks) shall be normal weight and have a minimum 28-day compressive strength of 2000 psi. Minimum cement content shall be 282 pounds per cubic yard.
- C. All concrete to have the following unit weights (+/- 3 pcf):
1. Normal weight concrete: plastic = 145 pcf
- D. All concrete exposed to freezing and thawing and deicer chemicals shall have 6% (+1%/ -1.5%) air entrainment. Do not air entrain concrete to be trowel finished.
- E. Provide concrete cover for reinforcing as follows:
1. Concrete cast against and permanently exposed to earth.....3"
 2. Concrete exposed to earth or weather.....2"
 3. Concrete not exposed to weather or in contact with ground:
 - a. Slabs and walls.....3/4"
 - b. Beams and columns.....1-1/2"
- F. Interface of construction joints shall be roughened to a full amplitude of 1/4". Surface of construction joints shall be clean and free of laitance. Immediately before new concrete is placed, construction joints shall be wetted and standing water removed.
- G. Locate control joints in retaining walls at 10 feet to 15 feet intervals.
- H. All column pockets shall be filled with concrete after column is erected.
- I. Conduit and pipes embedded in walls, beams, or slabs shall be no larger in outside dimension than 1/3 the overall member thickness or 2" maximum, and shall be placed no closer than 3 diameters or widths on center.
- J. Conduit and pipes, with their fittings, embedded within a column shall not displace more than 4 percent of the area of the column cross section.
- K. See Architectural Documents for molds, grooves, ornaments, clips, etc. required to be encased in concrete.

L. SLABS

1. All slabs on grade to have #3 at 18" o.c. each way centered in middle 1/4 of slab, unless noted otherwise. Support reinforcing on concrete bricks as necessary to maintain at proper elevation within slab.
2. Provide construction or control joints in slab-on-grade as indicated in the Structural Drawings. If joint pattern is not indicated, provide joints at 15 feet (+/-) in both directions and located to conform to bay spacing wherever possible (at column centerlines, half bays, third bays, etc.).
3. See Architectural Documents for location of floor finishes and slab depressions.
4. At floor drains, locally slope floor towards drain. See Documents from other disciplines for drain locations.
5. Provide 4" high concrete housekeeping pads under equipment. Pads shall extend beyond equipment 6" nominal on all sides. Apply bonding agent to existing concrete slab prior to placing housekeeping pad. Provide 6x6-W1.4W1.4 welded wire fabric in top of housekeeping pad. See Documents from other disciplines for equipment locations.

DIVISION 4 - CONCRETE MASONRY (Not Applicable)

DIVISION 5 - METALS

- 5.1. STRUCTURAL STEEL
- A. GENERAL
1. Structural steel shall be fabricated and erected in accordance with the AISI "Specification for Structural Steel Buildings" —ANSI/AISC 360 (version referenced by applicable building code).
 2. Materials shall conform to the following, unless noted otherwise:

a. W's and WT's	ASTM A992
b. Plates & other shapes	ASTM A36
c. HSS: Sq. & Rect.	ASTM A500, Grade B
d. Pipe	ASTM A53, Type E or S, Grade B
e. Bolts	ASTM A325, 3/4" diameter (min.), hex head
f. Anchor Rods and heavy hex nuts	ASTM F1554, Grade 36 with A36 washers
g. Threaded Rod	ASTM A36
h. Headed Studs	AMS D1.1, Type B
i. Electrodes	Matching strength, 70 ksi min.
 3. Where items are to be anchored to concrete or masonry, except at column baseplates, use standard sized holes in steel member, unless noted otherwise.
 4. Use prequalified welded joints in accordance with AISI and AMS D1.1:2000. Non-qualified joints shall be qualified prior to fabrication.
- B. ANCHORS TO CONCRETE AND MASONRY
1. Screw anchors to concrete shall be Hilti Kwik HUS-EZ (KH-EZ) anchors or approved equal. Screw anchors shall be used only at interior locations.
 2. Expansion anchors to concrete shall be Hilti Kwik Bolt TZ anchors or approved equal. Anchors shall be plain, uncoated except provide galvanized anchors where supported item is galvanized.
 3. Adhesive anchors to concrete shall be Hilti HIT-HY 200 Adhesive Anchoring System installed per SafeSet Technology written instructions, or approved equal. Anchor material shall be as follows:
 - a. For hollow bit with vacuum or compressed air cleaning installations as prescribed by Hilti SafeSet Technology, provide standard electroplate-coated HUS-E rod material except provide stainless steel HUS-E rod, washer and nut material where supported item is galvanized or stainless steel. Substitution of alternate rod material is not permitted.
 - b. For non-cleaning installations as prescribed by Hilti SafeSet Technology, provide standard electroplate-coated HIT-Z rod material except provide stainless steel HIT-Z-R rod, washer and nut material where supported item is galvanized or stainless steel. Substitution of alternate rod material is not permitted.
 4. Adhesive insert anchors to concrete shall be Hilti HIT-HY 200 Adhesive Anchoring System installed per SafeSet Technology written instructions, or approved equal. Anchor material shall be as follows:
 - a. For hollow bit with vacuum or compressed air cleaning installations as prescribed by Hilti SafeSet Technology, provide standard uncoated HIT-RN inserts with uncoated steel washers and ASTM A 307 Grade A bolts except provide stainless steel HIT-RN inserts, stainless steel Alloy Group 2 washers and ASTM F 543 bolts where supported item is galvanized or stainless steel. Bolt embedment into insert and installation torque to comply with Hilti installation requirements.
 5. When installing anchors, do not cut existing reinforcing. Install anchors to accommodate the standard hole size in steel.
 6. Screw anchor effective embedment depth shall be as follows, unless noted otherwise:

3/8" diam. : 3-1/4" embedment
1/2" diam. : 4-1/4" embedment
5/8" diam. : 5" embedment
3/4" diam. : 6-1/4" embedment
1" diam. : 6" embedment
 - Drill hole depth as required to achieve effective embedment depth, as prescribed by anchor manufacturer.
 - Expansion anchor effective embedment depth shall be as follows, unless noted otherwise:

3/8" diam. : 2-1/2" embedment
1/2" diam. : 3-1/2" embedment
5/8" diam. : 4-1/2" embedment
3/4" diam. : 4-3/4" embedment
1" diam. : 6" embedment
 - Drill hole depth as required to achieve effective embedment depth, as prescribed by anchor manufacturer.
 - Adhesive anchor effective embedment depth into solid material shall be as follows, unless noted otherwise:

3/8" diam. : 3-3/8" embedment
1/2" diam. : 4-1/2" embedment
5/8" diam. : 5-5/8" embedment
3/4" diam. : 6-3/4" embedment
1" diam. : 9" embedment
 - Drill hole depth as required to achieve effective embedment depth, as prescribed by anchor manufacturer.
 - Adhesive insert anchor effective embedment depth shall be as follows, unless noted otherwise:

3/8" diam. : 4-3/8" embedment
1/2" diam. : 5" embedment
5/8" diam. : 6-3/4" embedment
3/4" diam. : 8-1/8" embedment
 - Drill hole depth as required to achieve effective embedment depth, as prescribed by anchor manufacturer.

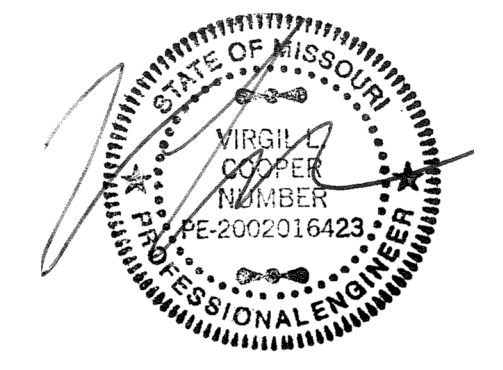
5.2. GRATING

1. Main bars shall be ASTM 564 or ASTM A36, 1-1/2" x 1/4" at 1-3/16" o.c.
2. Cross bars shall be ASTM A510, spaced 4" o.c.
3. Finish shall be galvanized.
4. Fasteners shall be manufacturer standard, spaced 24" o.c. maximum, (2 minimum per side).

DIVISION 6 - WOOD (Not Applicable)

END OF STRUCTURAL GENERAL NOTES

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



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DEPARTMENT OF
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MISSOURI ARMY
NATIONAL GUARD

CONSTRUCT NEW
SOLDIER DINING FACILITY

WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT # T2232-01
SITE # 6325
ASSET # 8136325016
BUILDING # X

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: JULY 10, 2026

CAD DWG FILE: T2232-01-6325-8136325016-S-01
DRAWN BY: KMW
CHECKED BY: VLC
DESIGNED BY: VLC

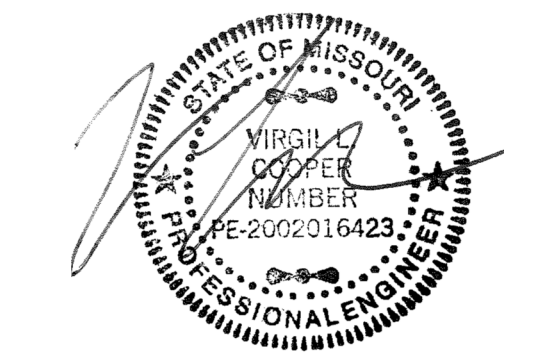
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GENERAL
NOTES

SHEET NUMBER:

S-001

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CAD DWG FILE: T2232-01-6325-8136325016-S402
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SHEET TITLE:
SPECIAL
INSPECTION
TABELS

SHEET NUMBER:
S-002

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SPECIAL INSPECTION TABLES

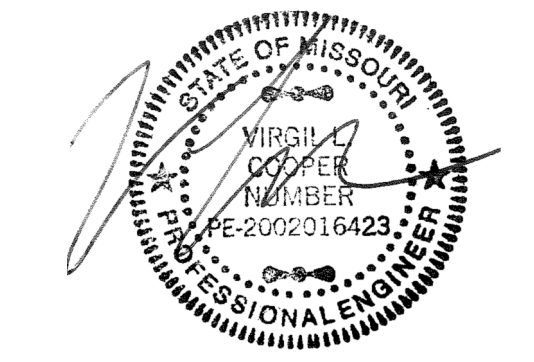
STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS		
THE CONTRACTOR SHALL RETAIN AND INCUR THE COST OF A SPECIAL INSPECTION AND TESTING AGENCY FOR THE PURPOSE OF FIELD INSPECTION AS REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. THE TYPES OF STRUCTURAL WORK NOTED IN THE SPECIAL INSPECTION TABLES REQUIRE SPECIAL INSPECTION. COORDINATE REQUIREMENTS IN TABLES WITH SPECIFICATION SECTION 01400.		

SOILS IBC TABLE 1705.6		
TASK	CONTINUOUS	PERIODIC
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT THE SITE HAS BEEN PREPARED PROPERLY.	-	X

CONCRETE CONSTRUCTION IBC TABLE 1705.3		
TASK	CONTINUOUS	PERIODIC
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	-	X
2. REINFORCING BAR WELDING: a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A 706; b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND c. INSPECT ALL OTHER WELDS.	- - X	X X -
3. INSPECT ANCHORS CAST IN CONCRETE.	-	X
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATION TO RESIT SUSTAINED TENSION LOADS. b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	X - -	- X X
5. VERIFY USE OF REQUIRED DESIGN MIX.	-	X
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TEST, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION	X	-
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERTURE AND TECHNIQUES.	-	X
9. INSPECT PRESTRESSED CONCRETE FOR: a. APPLICATION OF PRESTRESSING FORCES; AND b. GROUTING OF BONDED PRESTRESSING TENDONS.	X X	- -
10.INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	-	X
11.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 STRUCURAL SLAB.	-	X
12.INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X

LIST OF ABBREVIATIONS

ABOVE FINISH FLOOR	AFF	LONG LEG HORIZONTAL	LLH
ADDITIONAL	ADDL	LONG LEG VERTICAL	LLV
ALTERNATE	ALT		
ANCHOR, ANCHORAGE	ANCH	MANUFACTURER	MFR
		MASONRY	MAS
B/	BOTTOM OF	MAXIMUM	MAX
BALANCE	BAL	MECHANICAL	MECH
		MEZZANINE	MEZZ
BETWEEN	BTWN	MIDDLE	MD
BLOCKING	BLKG	MINIMUM	MIN
BOTTOM	BOTM	MISCELLANEOUS	MISC
BOTTOM OF METAL DECK	BMD		
BOTTOM OF PIER	BP	NEAR FACE	NF
BUILDING	BLDG	NEAR SIDE	NS
		NOT IN CONTRACT	NIC
		NOT TO SCALE	NTS
CENTER	CTR	ON CENTER	OC
CENTERLINE	CLR	OPENING	OPNG
CLEAR	CLR	OPPOSITE	OPP
COLUMN, COLUMNS	COL	OPPOSITE HAND	OPPH
CONCRETE	CONC	OUT TO OUT	O.O.
CONCRETE MASONRY UNIT	CMU	OUTSIDE DIAMETER	OD
CONNECT, CONNECTION	CONN		
CONSTRUCTION	CONST		
CONSTRUCTION OR CONTROL JOINT	CJ	PIER CAP, PILE CAP	PC
CONTINUE, CONTINUOUS	CONT	PLATE	PL
CONTRACTOR	CONTR	PLYWOOD	PLYWD
		POINT	PT
DEAD LOAD	DL	POUND PER SQUARE FOOT	PSF
		POUND PER SQUARE INCH	PSI
		PRECAST	PC
		PREFABRICATED	PREFAB
DIAMETER	DIA		
DOWEL	DWL	RADIUS	RAD
DOWN	DN	REFER, REFERENCE	REF
DRAWING	DWG	REINFORCING OR REINFORCEMENT	REINF
EACH	EA	REQUIRED	REDD
EACH FACE	EF	ROOF TOP UNIT	RTU
EACH WAY	EW		
ELEVATION	EL	SCHEDULE	SCHED
EMBEDMENT	EMBED, EMB	SECTION	SECT
ENGINEER	ENG	SHEAR WALL	SW
EQUAL	EQ	SHEET	SHT
EXISTING	EXIST OR (E)		
EXPANSION	EXP	SIMILAR	SIM
EXPANSION JOINT	EJ	SPACE	SPA
EXTERIOR	EXT	SPECIFICATIONS	SPEC
FAR FACE	FF	STAINLESS STEEL	S.S.
FAR SIDE	FS	STANDARD	STD
FINISH, FINISHED	FIN	STEEL	STL
FLANGE	FLG	STIFFENER	STIFF
FLOOR	FLR	STRUCTURAL	STRUC
FOOTING	FTG	SYMETRICAL	SYM
FOUNDATION	FDN		
GALVANIZED	GALV	THREAD, THREADED	THD
GAUGE	GA	TOP OF	TI
		TOP & BOTTOM	T&B
GRADE	GR	TOP OF CONCRETE	TC
GRADE BEAM	GB	TOP OF FOOTING	TF
		TOP OF MASONRY	TM
HEADED STUD	HS	TOP OF PIER CAP	TP
HEIGHT	HT	TOP OF STEEL	TS
HOOK	HK	TOP OF WALL	TW
HORIZONTAL	HORIZ, HOR	TYPICAL	TYP
		UNLESS NOTED OTHERWISE	UNO
INFORMATION	INFO	VERTICAL, VERTICALLY	VT OR VERT
INSIDE DIAMETER	ID		
INTERIOR	INT	WELDED WIRE FABRIC	WWF
		WITH	W/
JOINT	JT	WORKING POINT	WP
JOIST	JST		
		X-BRACING	X&R
KIPS FOR ROOF EDGE	K		
KNEE BRACE	KB		
LIVE LOAD	LL		



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ASDC
a Structural Design Group

OFFICE OF ADMINISTRATION
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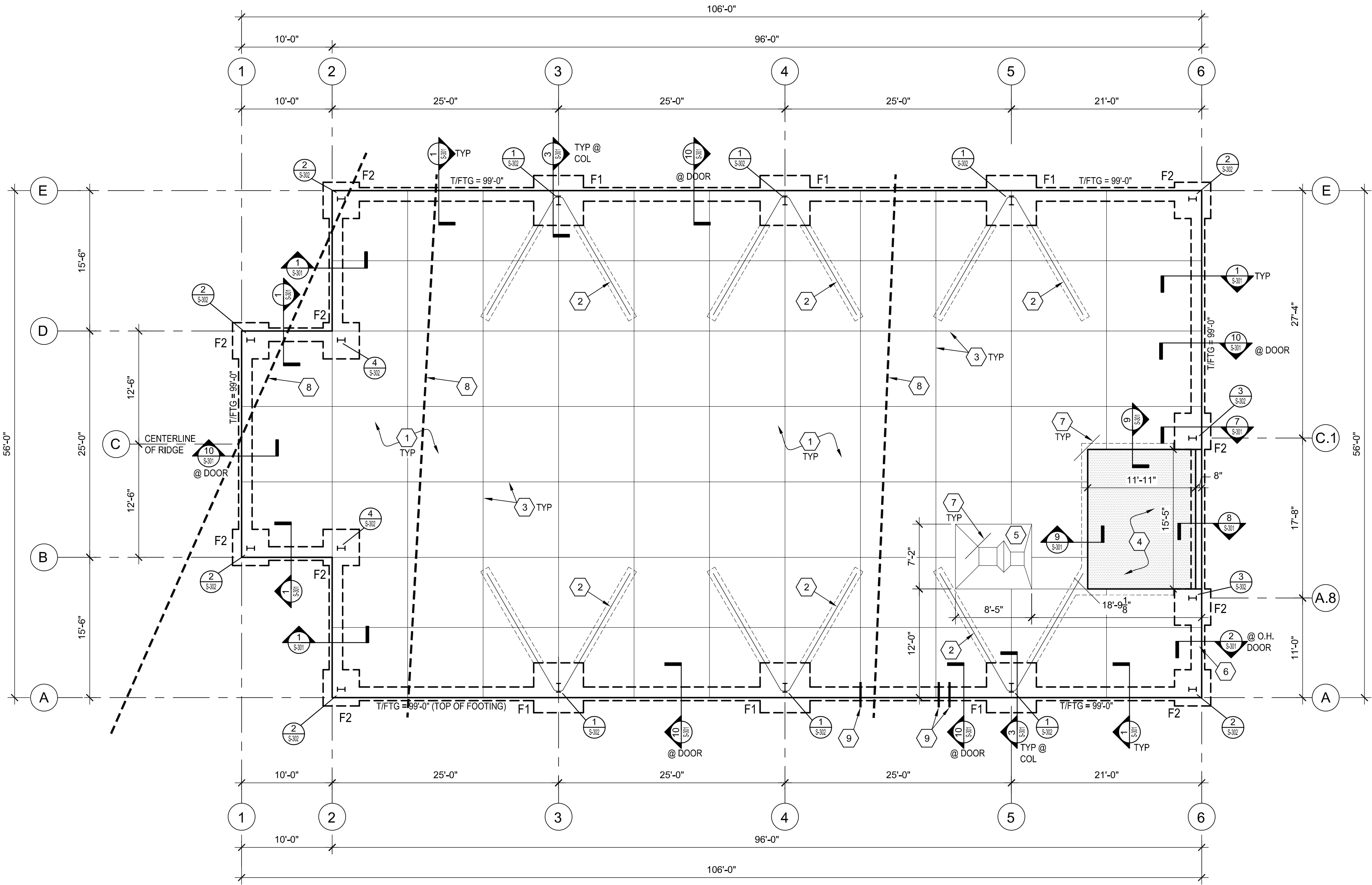
SHEET TITLE:

FOUNDATION
PLAN

SHEET NUMBER:

S-101

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

FOUNDATION KEY NOTES:

- 5" THICK CONCRETE SLAB REINFORCED W/ #3's @ 18" O.C. EACH WAY (PLACED AT MID-HEIGHT OF SLAB) OVER POLYETHYLENE VAPOR RETARDER OVER COMPACTED SUB-BASE MATERIAL (AS DIRECTED BY THE GEOTECHNICAL REPORT OR ONSITE GEOTECHNICAL ENGINEER) OVER PROPERLY PREPARED SUBGRADE. FINISH FLOOR EL. = 100'-0" (SITE PLAN EQUIVALENT = 506.50'). COORDINATE INSTALLATION OF DRAINS AND UNDER SLAB MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS WITH MEP AND ARCHITECTURAL DRAWINGS.
- SLAB HAIR PIN, REFER TO DETAIL 5/S-301
- CONTROL OR CONSTRUCTION JOINT SEE DETAILS 1 & 2/S-501
- 5" THICK RECESSED CONCRETE SLAB REINFORCED W/ #3's @ 18" O.C. EACH WAY (PLACED AT MID-HEIGHT OF SLAB) OVER POLYETHYLENE VAPOR RETARDER OVER COMPACTED SUB-BASE MATERIAL (AS DIRECTED BY THE GEOTECHNICAL REPORT OR ONSITE GEOTECHNICAL ENGINEER) OVER PROPERLY PREPARED SUBGRADE. RECESS DIMENSIONS SHOWN ARE APPROXIMATE. CONTRACTOR TO COORDINATE DIMENSIONS WITH COOLING/FREEZER SUPPLIER. COORDINATE INSTALLATION OF DRAINS AND UNDER SLAB MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS WITH MEP AND ARCHITECTURAL DRAWINGS.
- SLOPE SLAB TO DRAIN. REFER TO FOOD SERVICE DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- SLOPE SLAB EDGE AT OVERHEAD DOOR. SEE SECTION 2/S-301.
- #4x4'-0" LONG DOWEL TURNED 45 DEGREES AT ALL SLAB INSIDE CORNERS (TYPICAL).
- EXISTING UNDERGROUND UTILITIES TO BE REMOVED. SEE CIVIL DRAWINGS FOR INFORMATION. TRENCHES TO BE FILLED WITH LEAN CONCRETE OR COMPACTED ENGINEERED FILL PER THE PROJECT GEOTECHNICAL REPORT.
- INDICATES PIPE SLEEVE THROUGH FOUNDATION PER 10/S-501 OR PIPE SLEEVE AND LEAN CONCRETE FILL BELOW FOUNDATION PER 7/S-501. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION AND ADDITIONAL LOCATIONS NOT SHOWN.

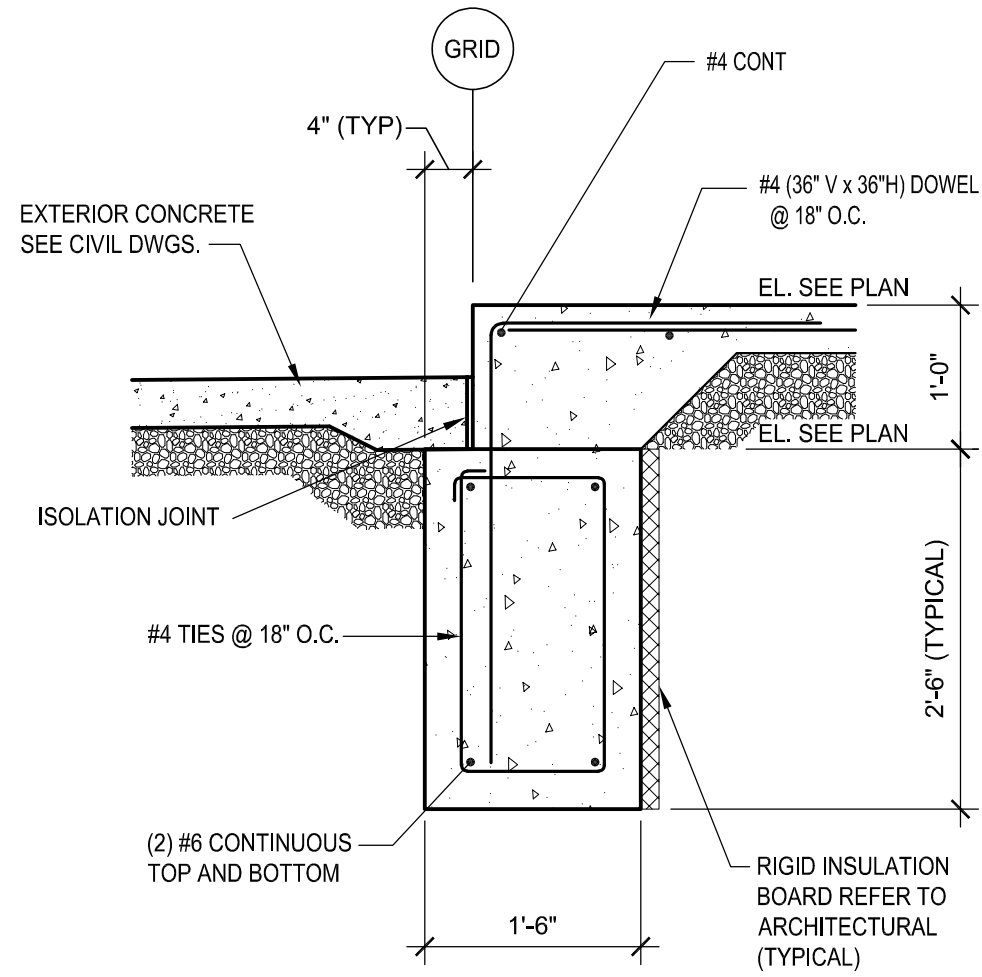
NOTE: PEMB SUPPLIER MUST SUBMIT SHOP DRAWINGS FOR REVIEW BY ENGINEER OF RECORD PRIOR TO FABRICATION.
MINIMUM ANCHOR BOLT EDGE DISTANCE = 3 1/2"
MINIMUM ANCHOR BOLT SPACING = 4"
MINIMUM ANCHOR BOLT DIAMETER = 3/4"Ø

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

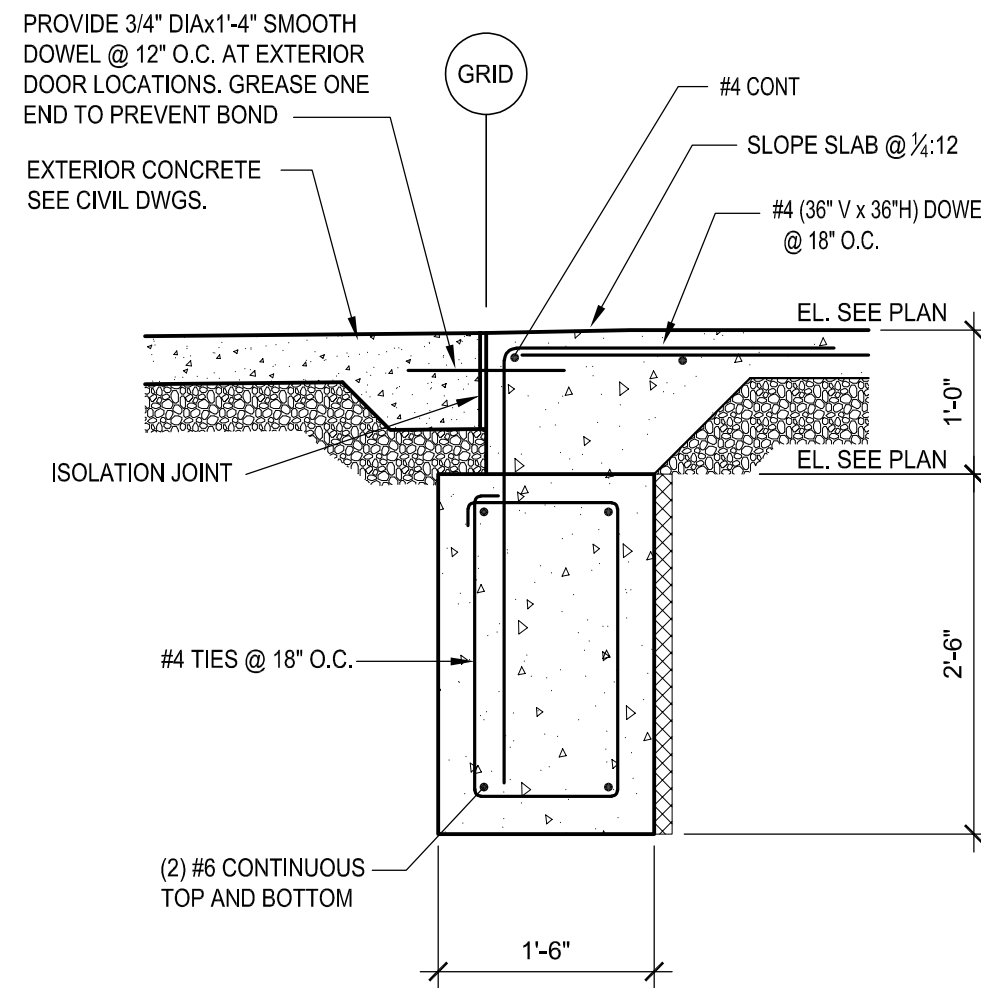
FOUNDATION SCHEDULE

MARK	FOOTING SIZE (W x L x T)	FOOTING REINFORCEMENT (E.W. TOP & BOTTOM)	TOP OF FOOTING ELEVATION	MARK
F1	5'-6"x5'-6"x2'-6"	(9) #4's EACH WAY (T&B)	99'-0"	F1
F2	4'-0"x4'-0"x2'-6"	(6) #4's EACH WAY (T&B)	99'-0"	F2

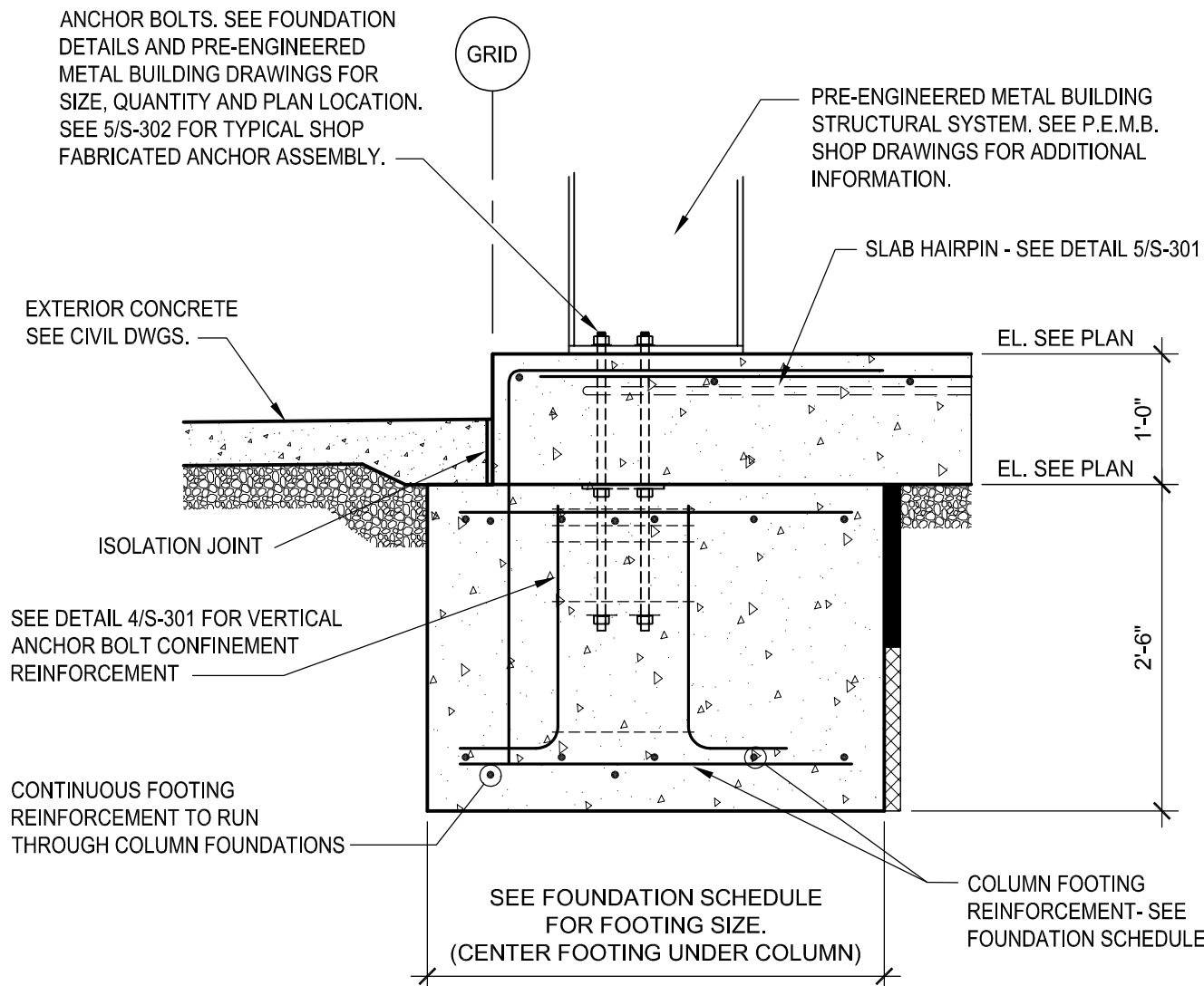
- NOTES:
- ALL ANCHOR BOLTS SHALL BE SIZE, QUANTITY AND SPACING AS SPECIFIED BY THE PRE-ENGINEERED METAL BUILDING MANUFACTURER. MAINTAIN 3" MINIMUM CONCRETE COVER AROUND BOLTS. TIES SHALL WRAP AROUND ANCHOR BOLTS.
 - COLUMN BASE PLATES ARE TO REST ON TOP OF SLAB. PROVIDE LEVEL BEARING SURFACE FOR EVEN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



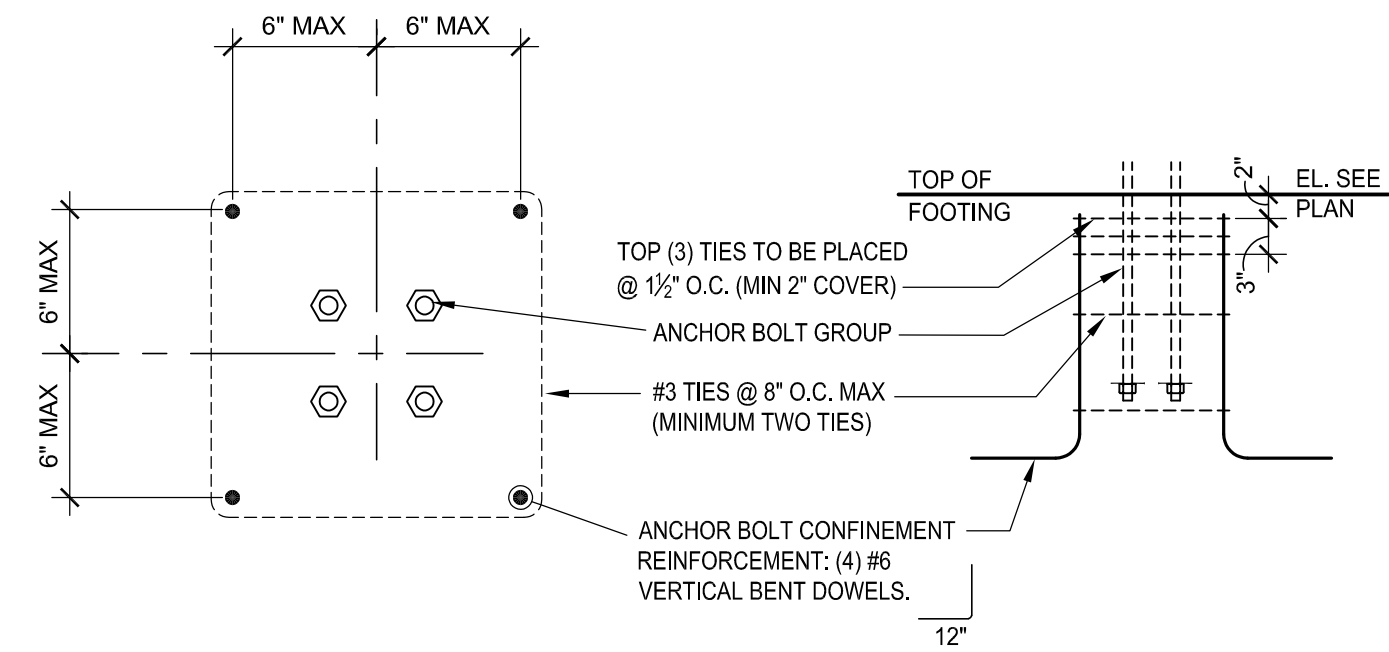
SECTION 1
3/4" = 1'-0"



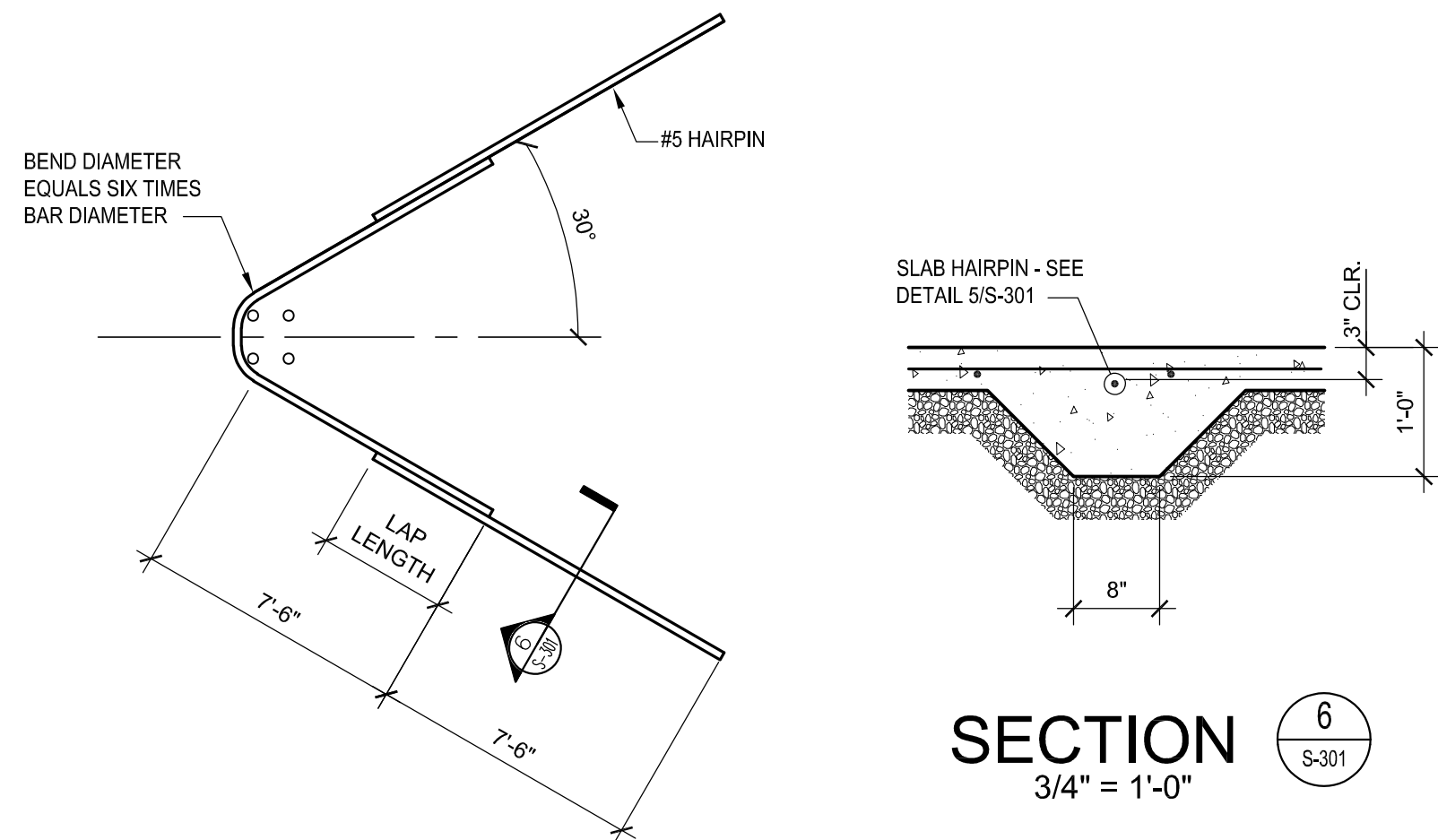
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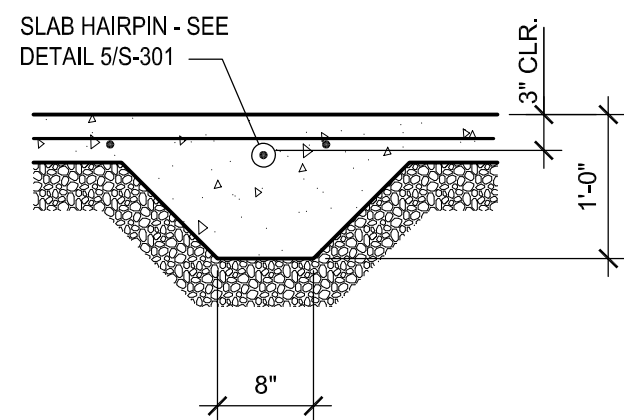
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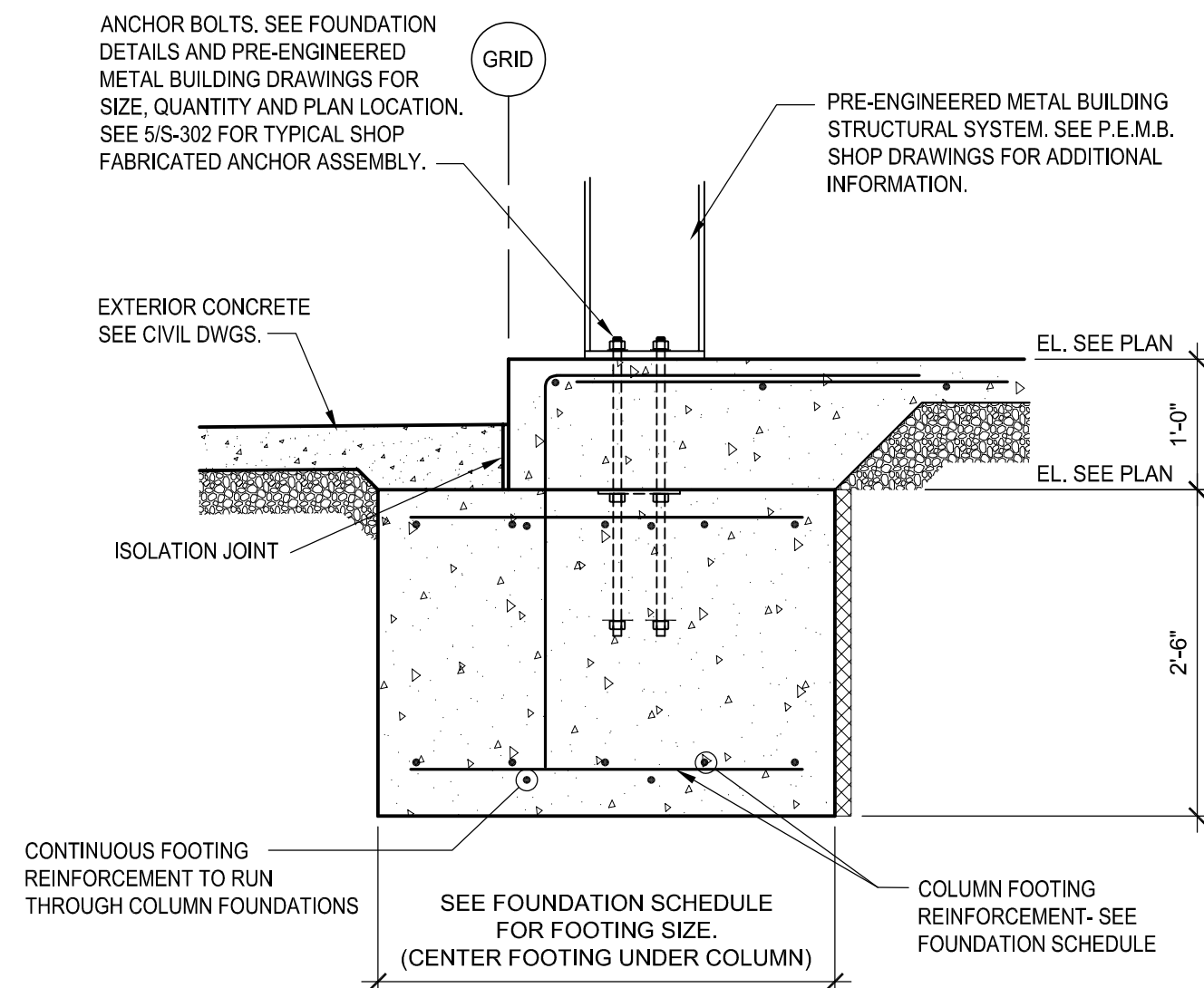
DETAIL 4
S-301



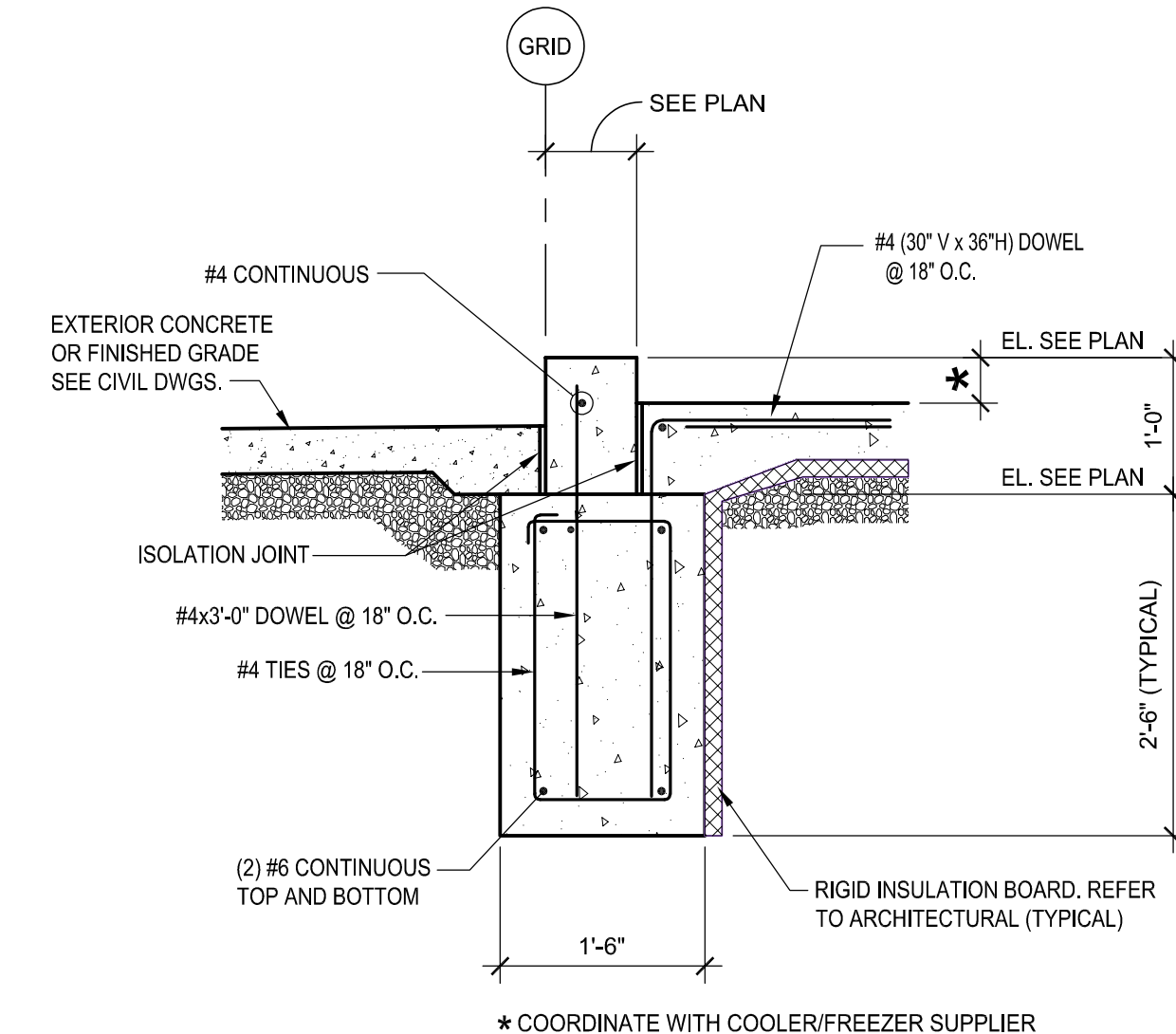
SLAB HAIRPIN 5
S-301



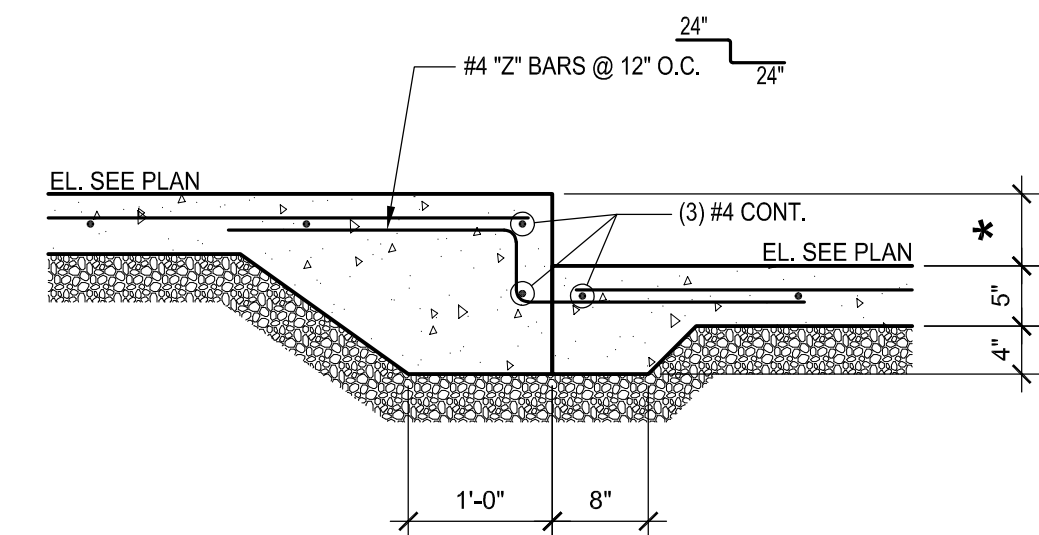
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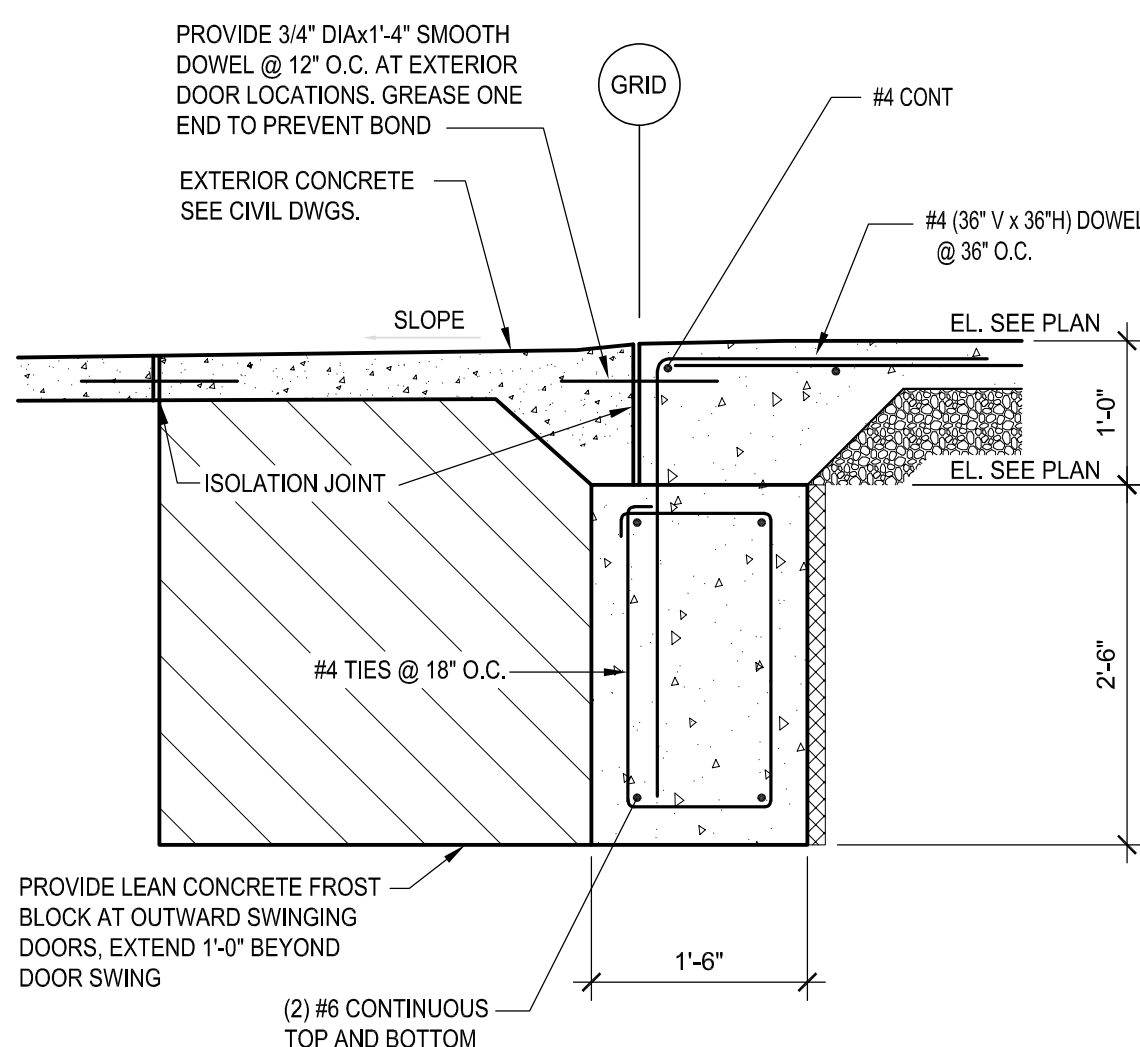
SECTION 7
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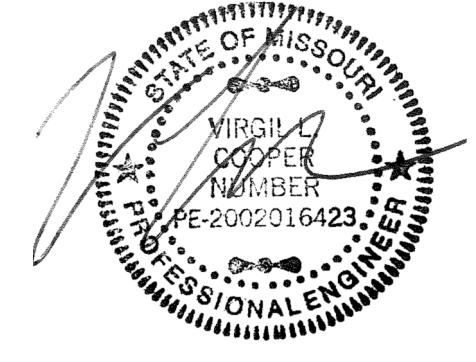
SECTION 8
3/4" = 1'-0"



SECTION 9
3/4" = 1'-0"



SECTION 10
3/4" = 1'-0"



PROFESSIONAL SEAL

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DEPARTMENT OF
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CONSTRUCT NEW
SOLDIER DINING FACILITY

WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT # T2232-01
SITE # 6325
ASSET # 8136325016
BUILDING # X

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: JULY 10, 2026

CAD DWG FILE: T2232-01-461-461-8136325016-S-301
DRAWN BY: KMW
CHECKED BY: VLC
DESIGNED BY: VLC

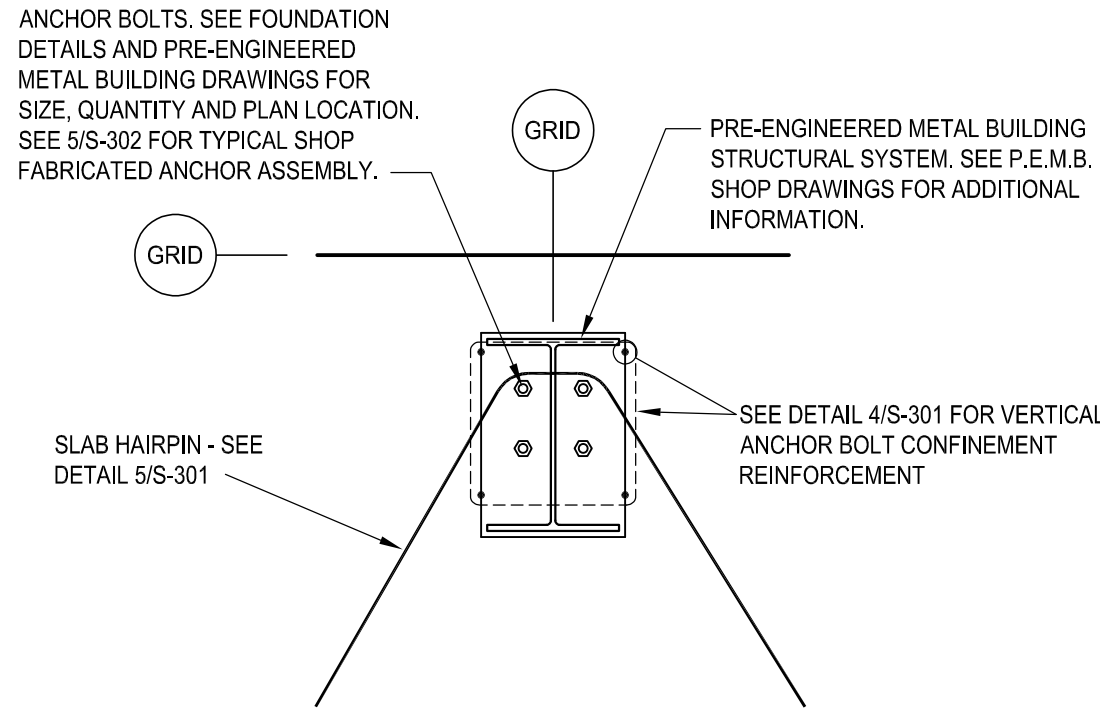
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FOUNDATION
SECTIONS

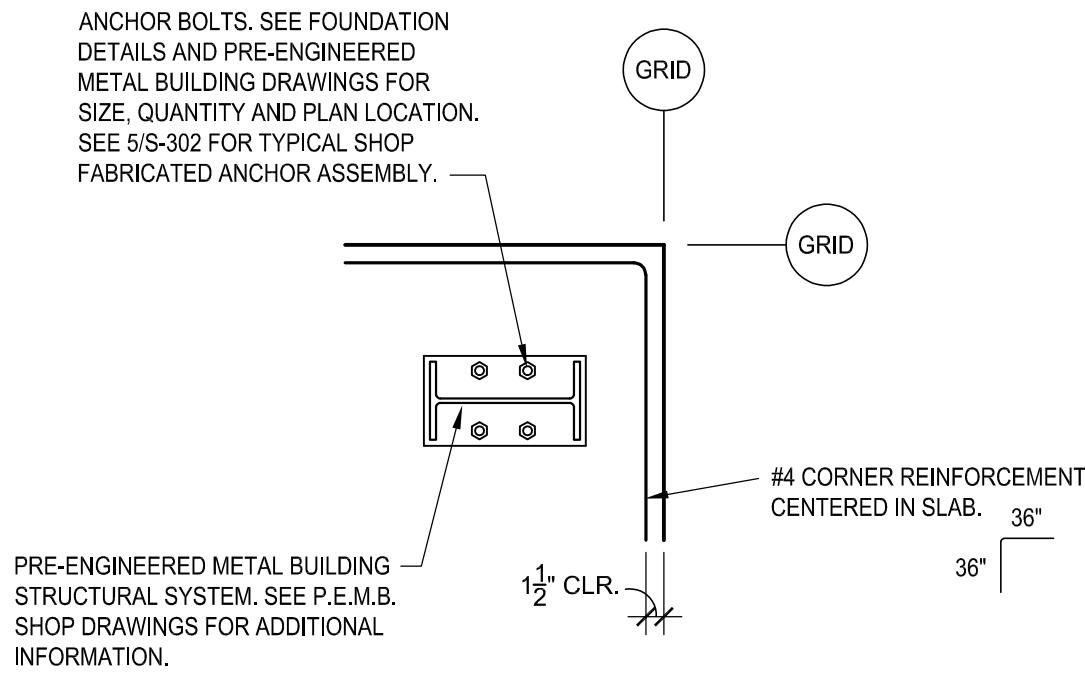
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S-301

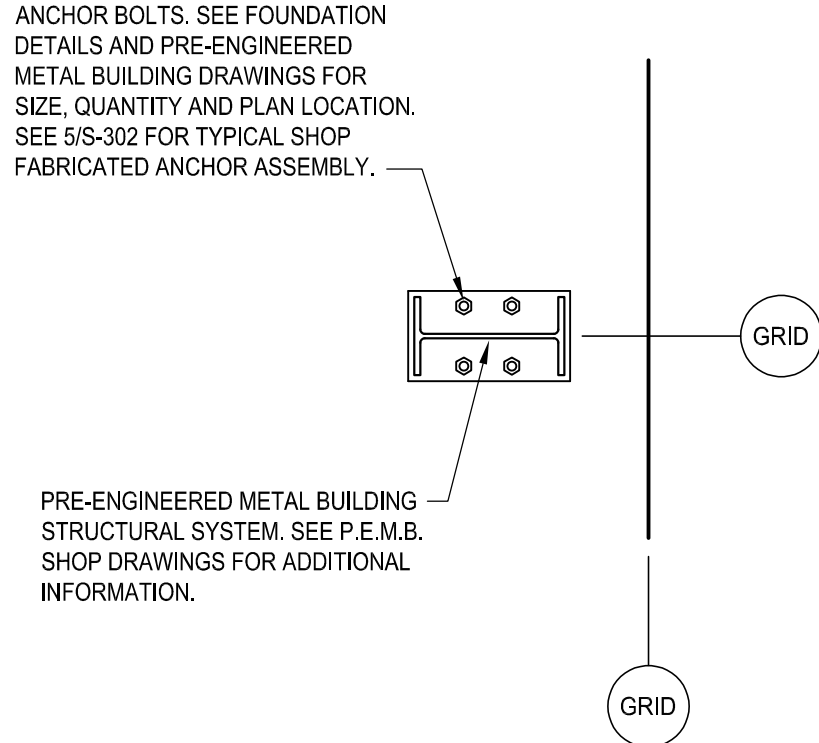
24 OF 41 SHEETS



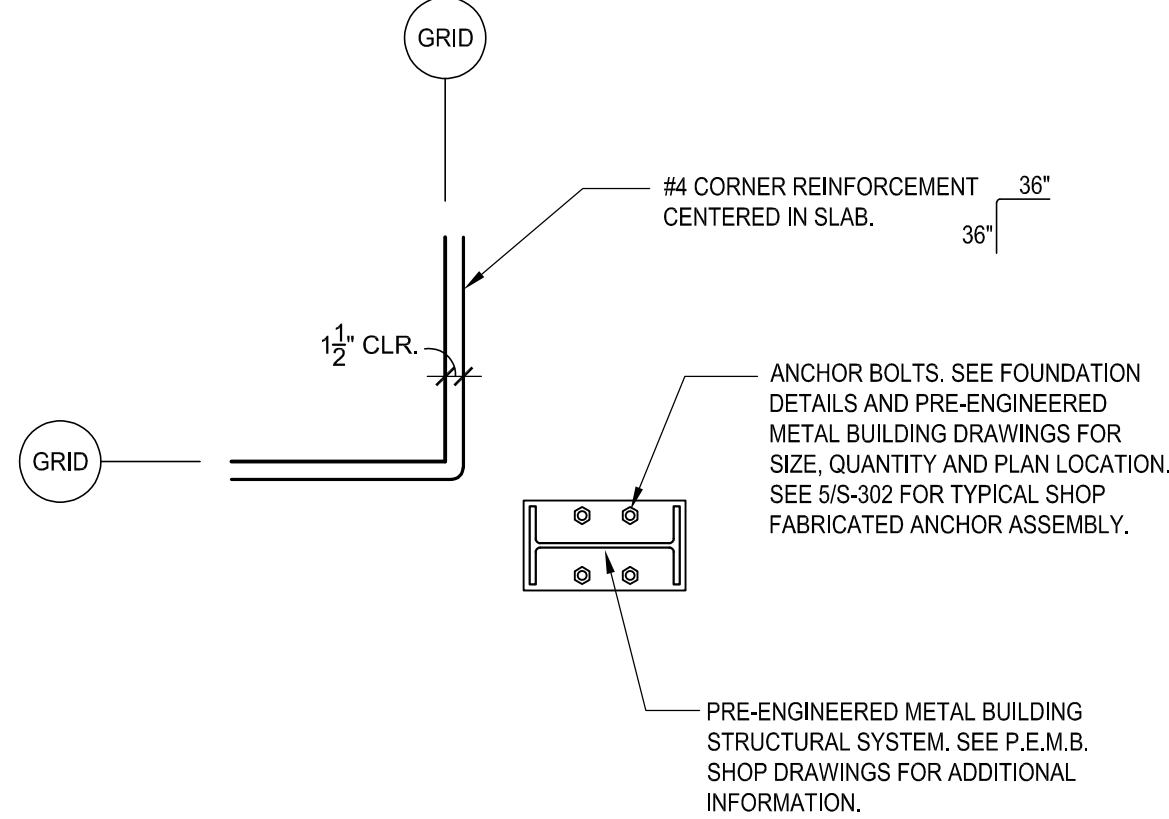
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3/4" = 1'-0"



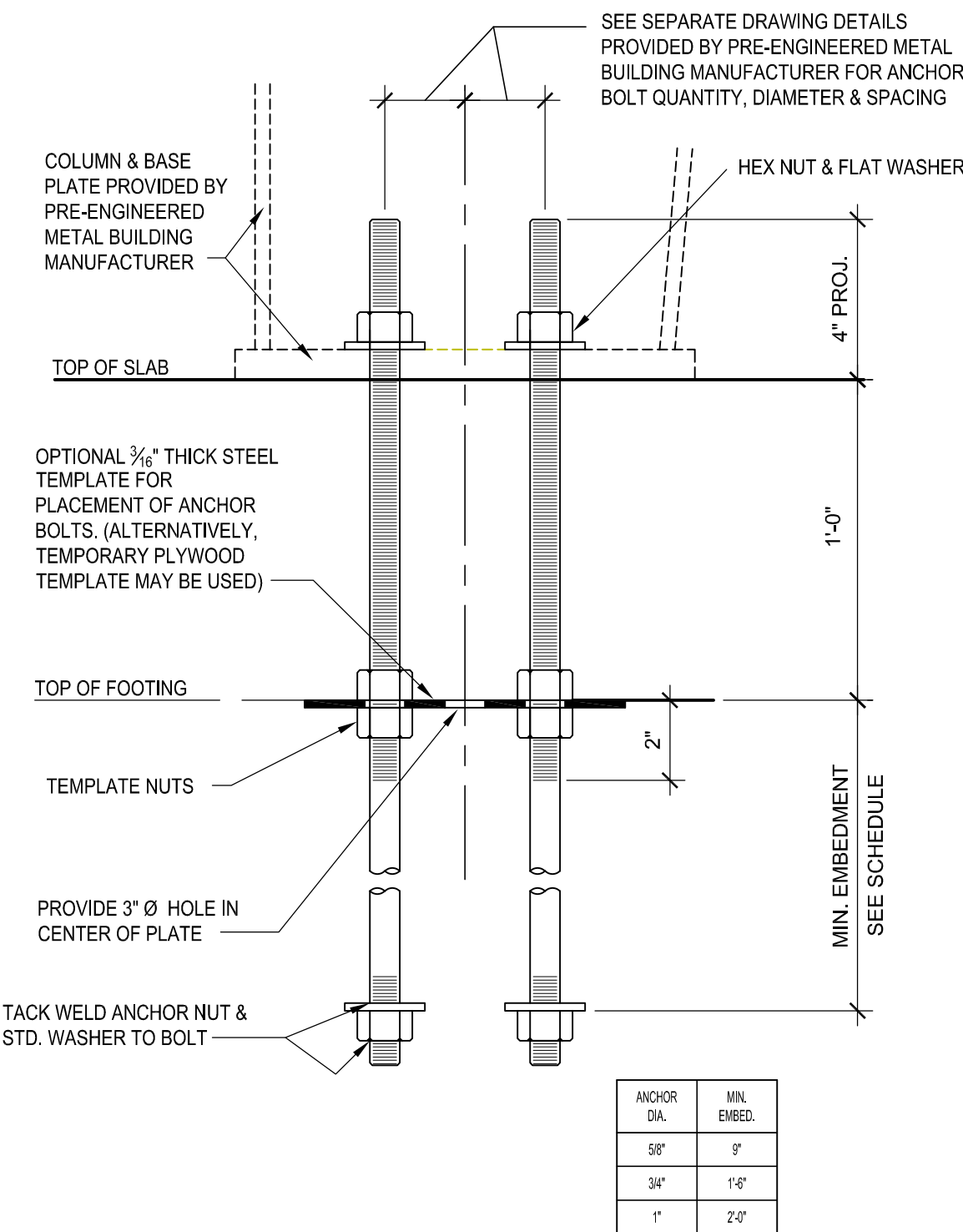
DETAIL 2
3/4" = 1'-0"



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



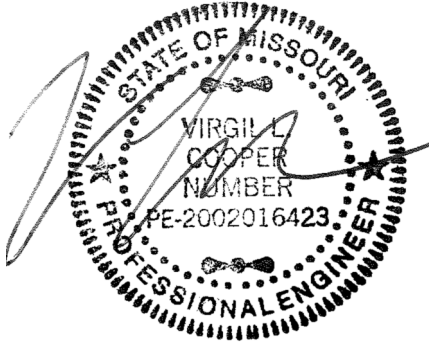
DETAIL 4
3/4" = 1'-0"



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

TYP. ANCHOR BOLT ASSEMBLY 5
S-302

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



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CAD DWG FILE: T2232-01-6325-8136325016-S-302
DRAWN BY: KMW
CHECKED BY: VLC
DESIGNED BY: VLC

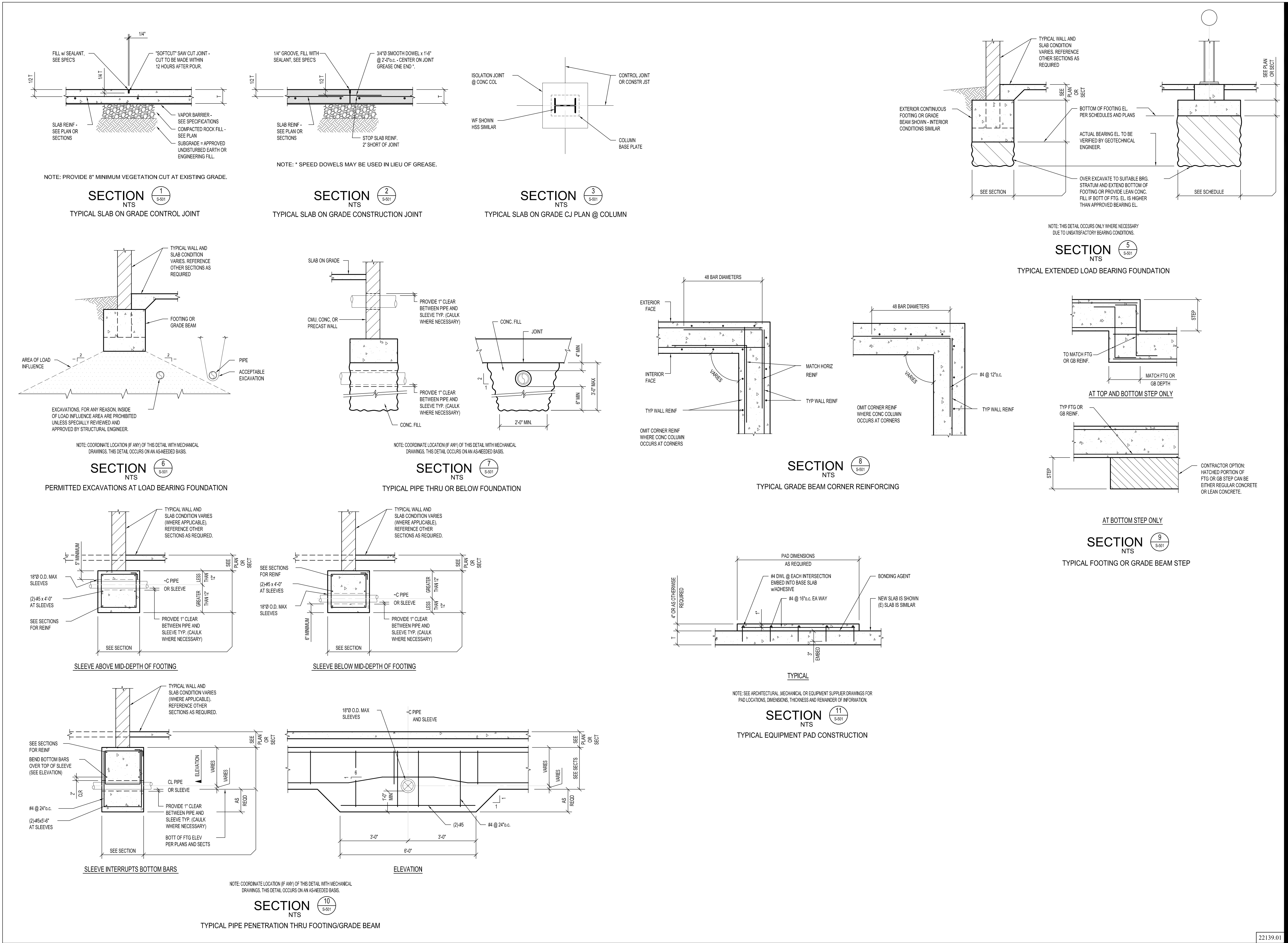
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FOUNDATION
SECTIONS

SHEET NUMBER:

S-302

25 OF 41 SHEETS



STATE OF MISSOURI
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ASDG
a Structural Design Group

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CHECKED BY: VLC
DESIGNED BY: VLC

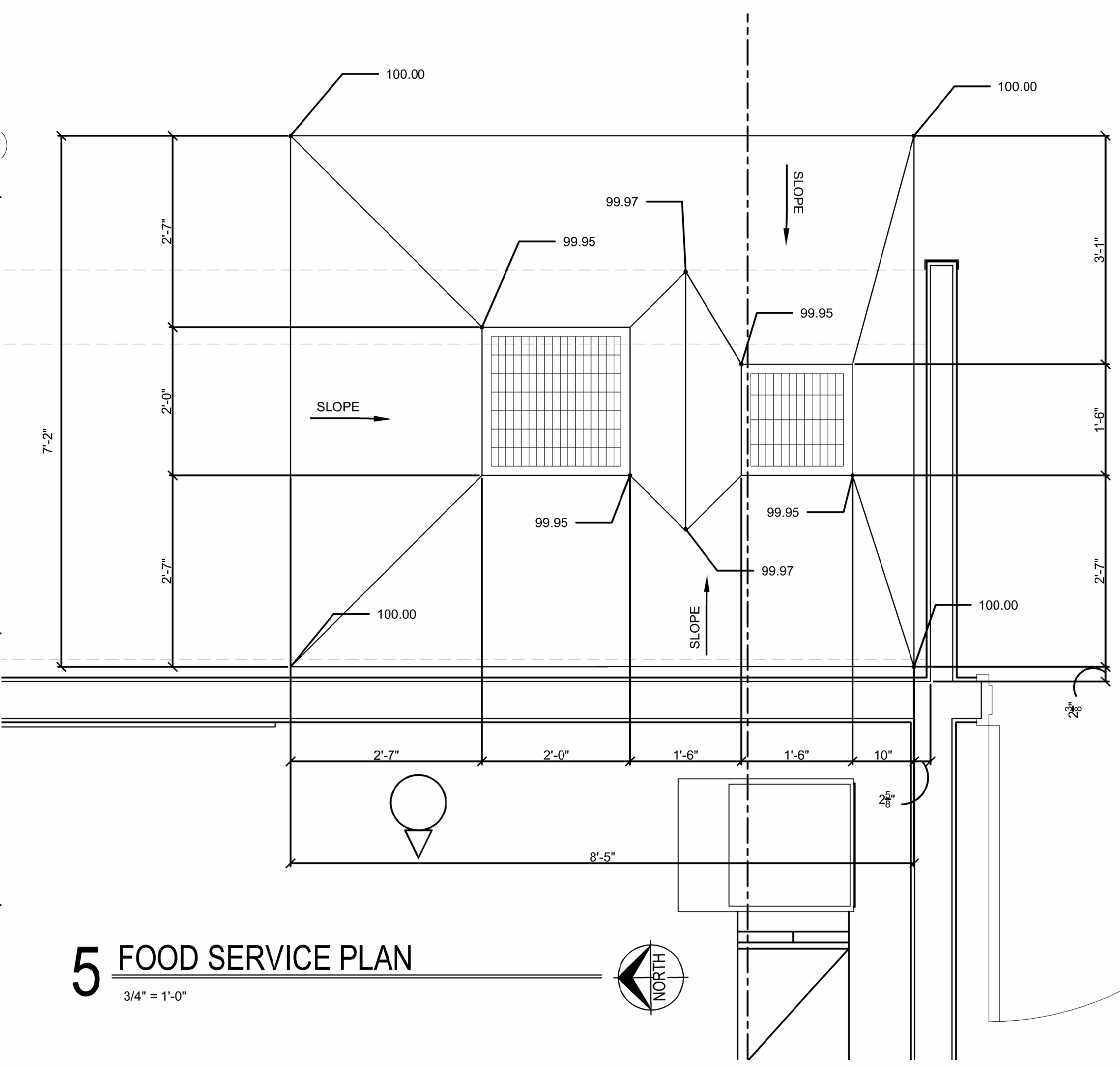
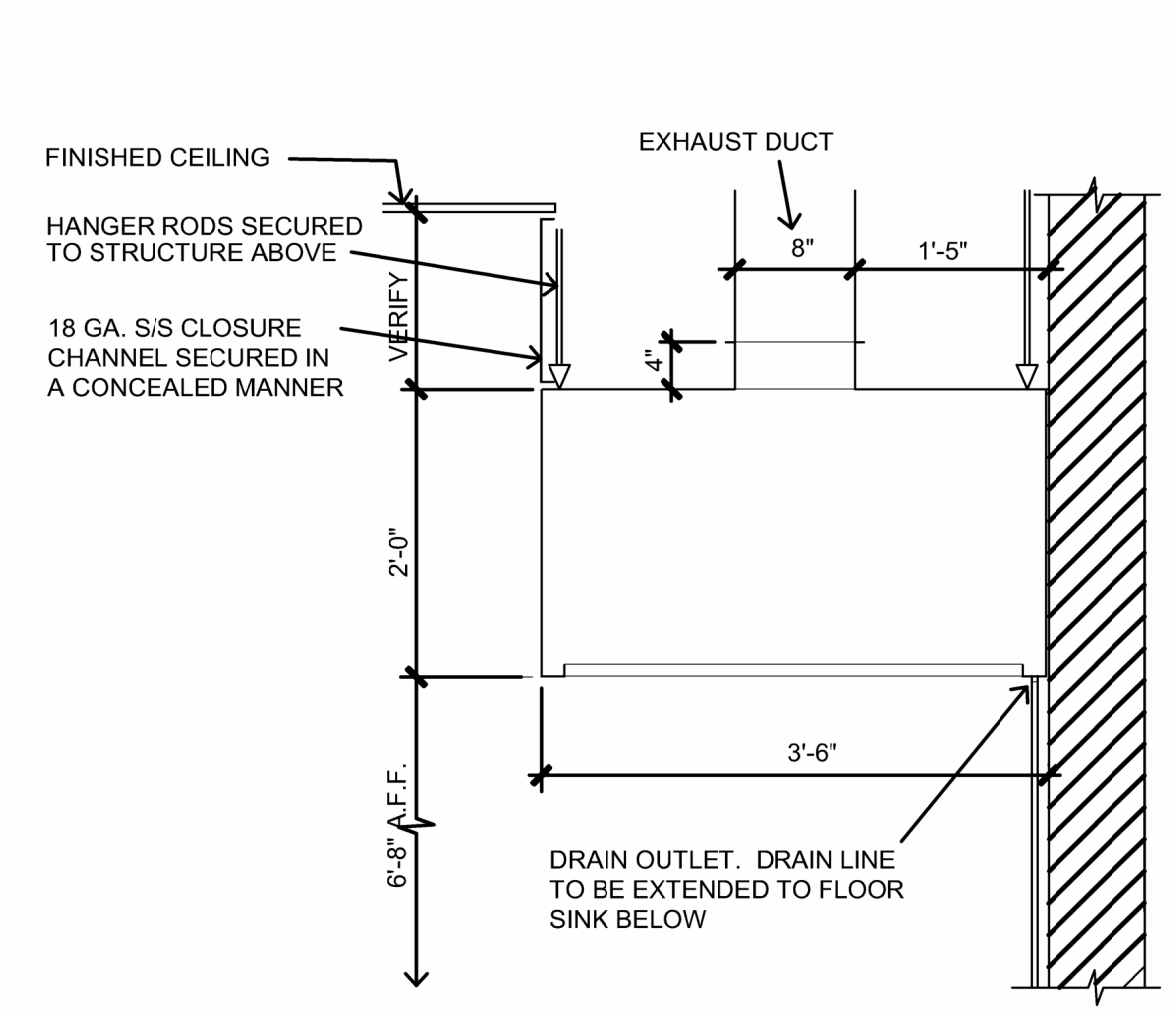
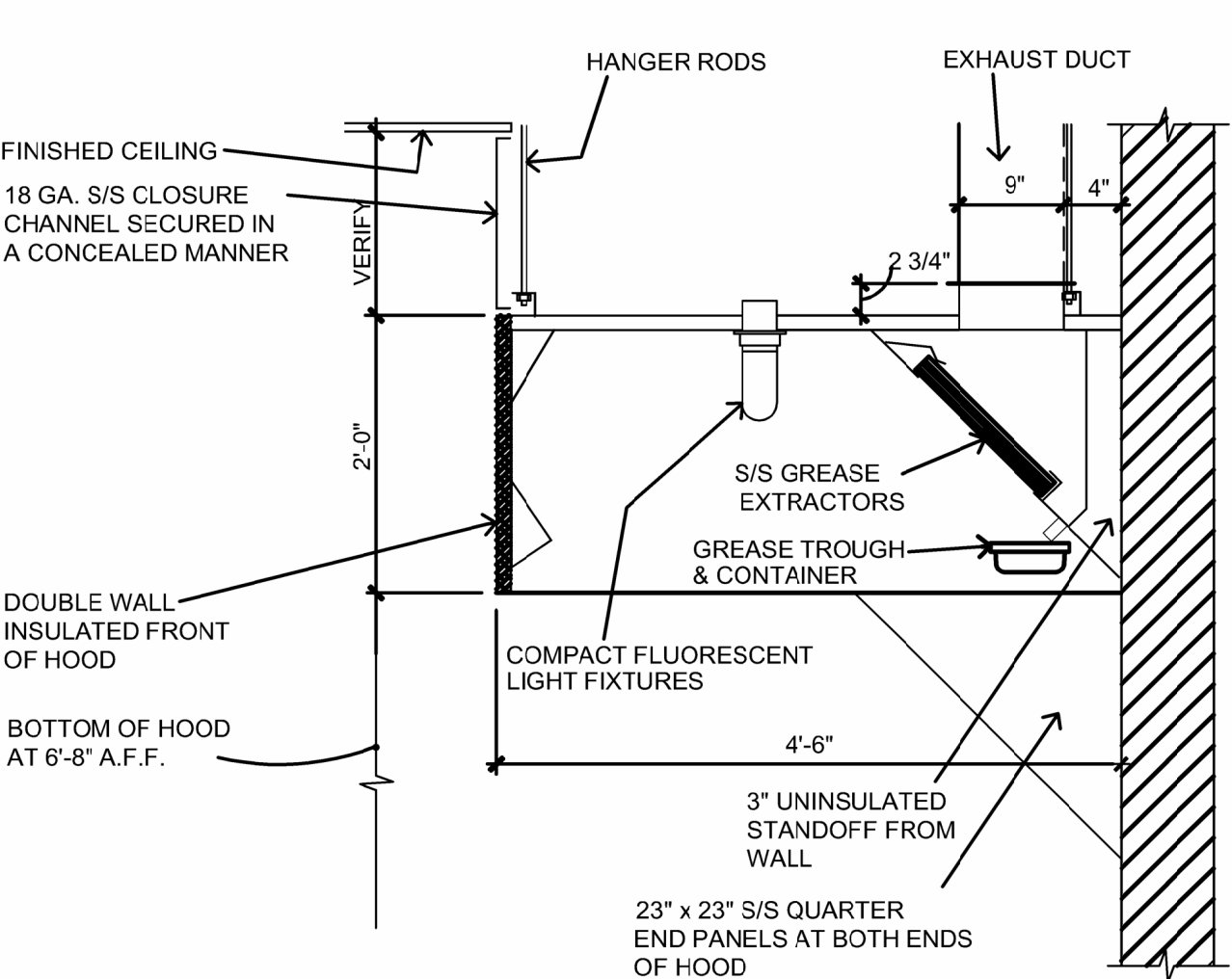
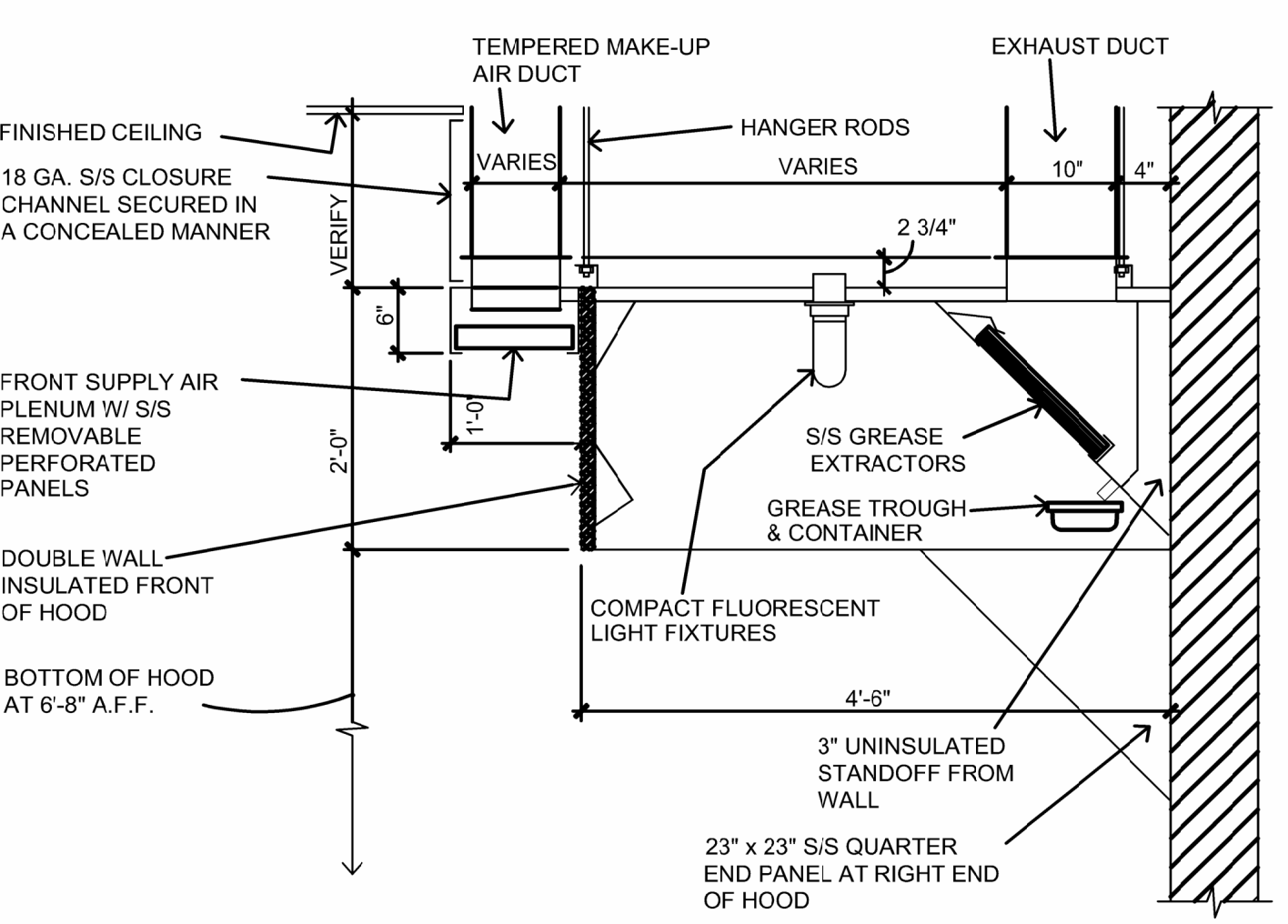
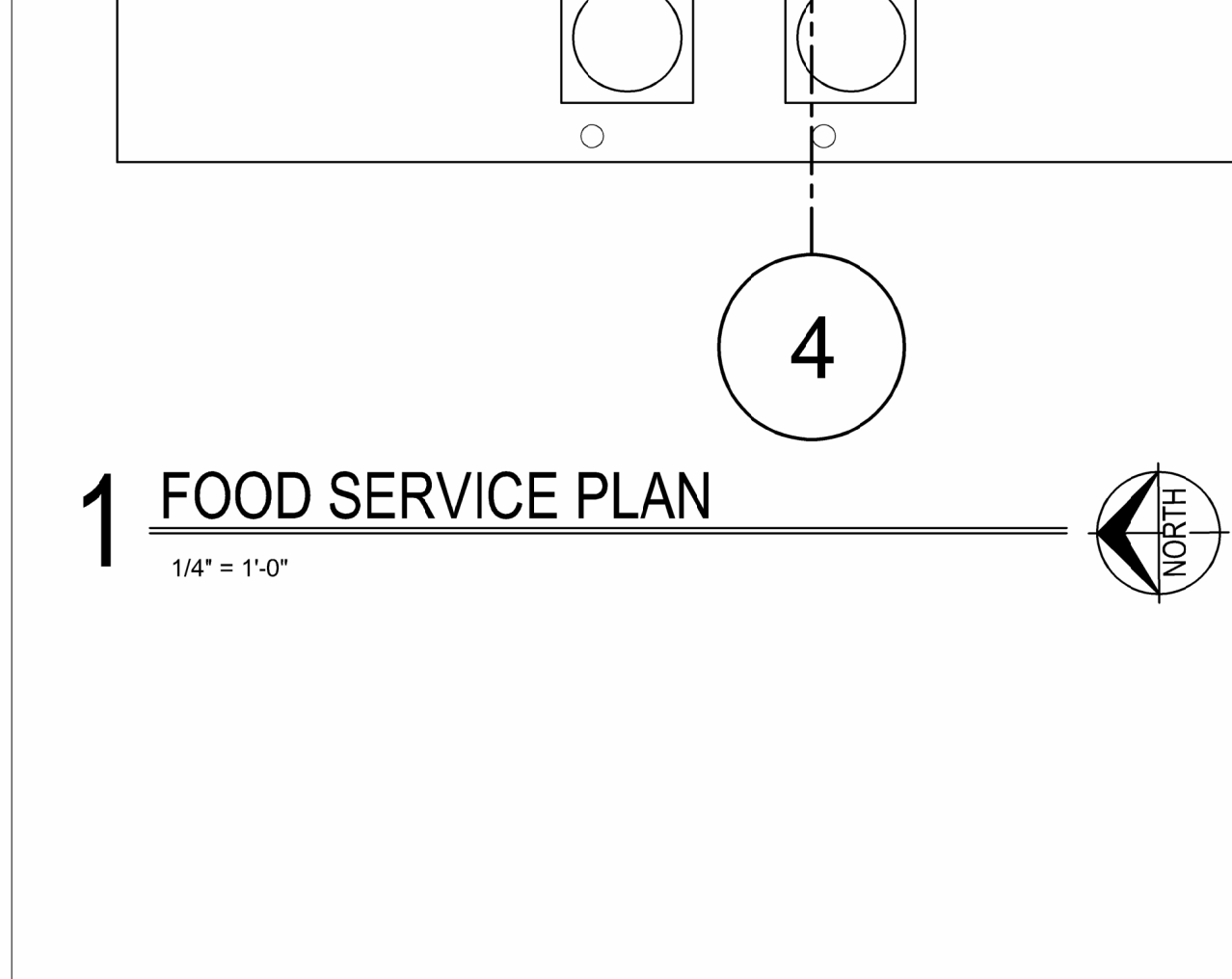
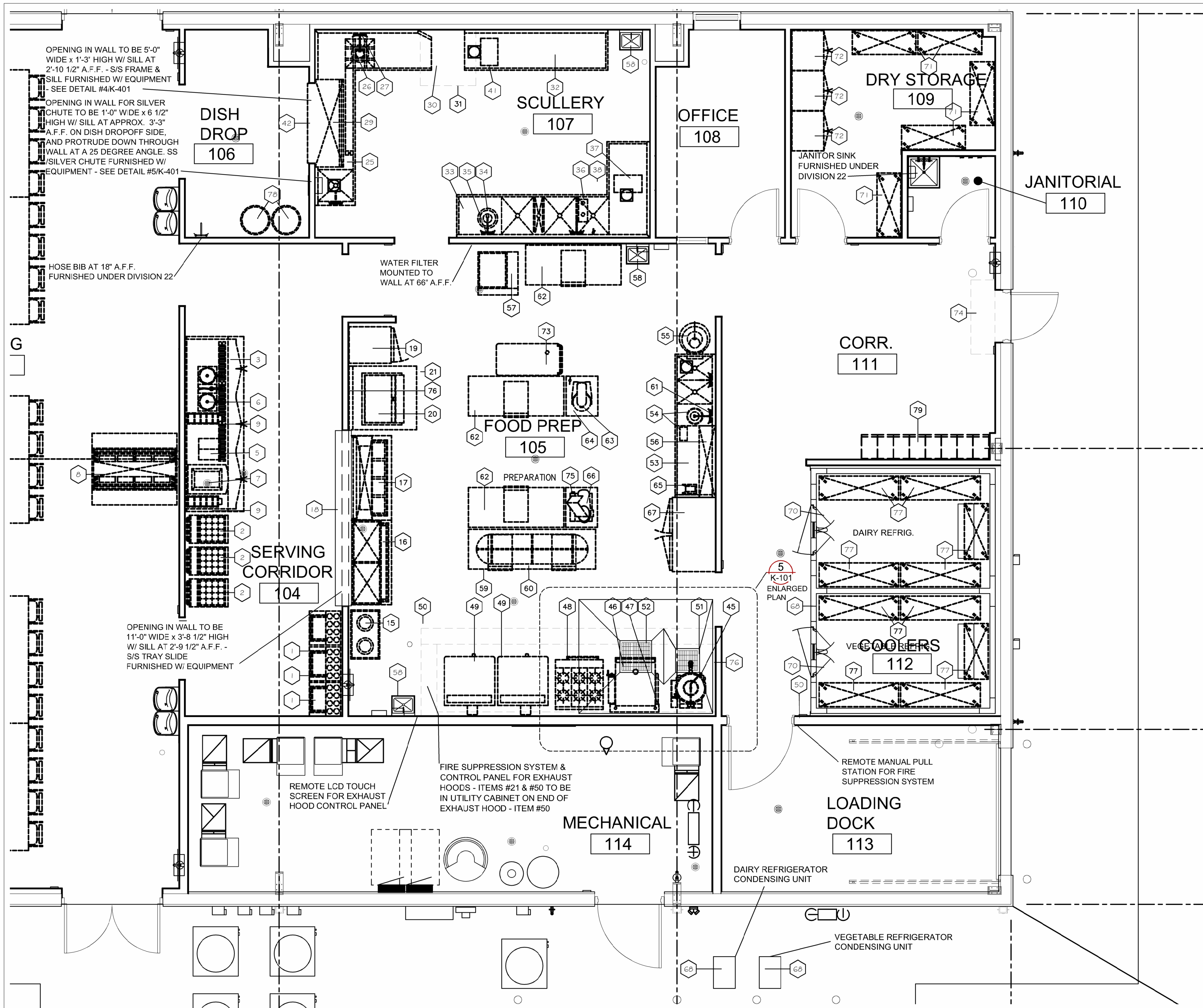
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TYPICAL
DETAILS

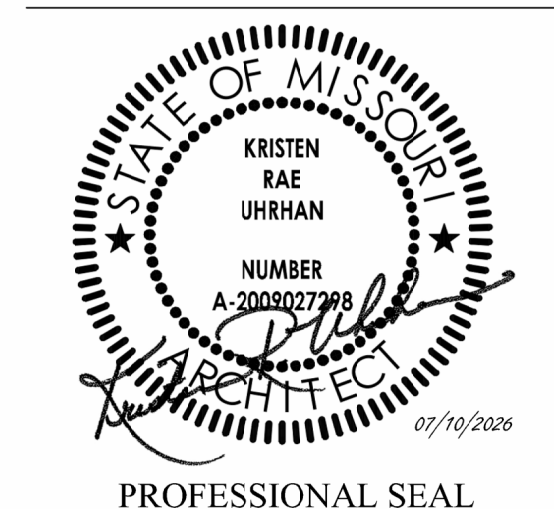
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S-501

26 OF 41 SHEETS



STATE OF MISSOURI
MIKE KEHOE,
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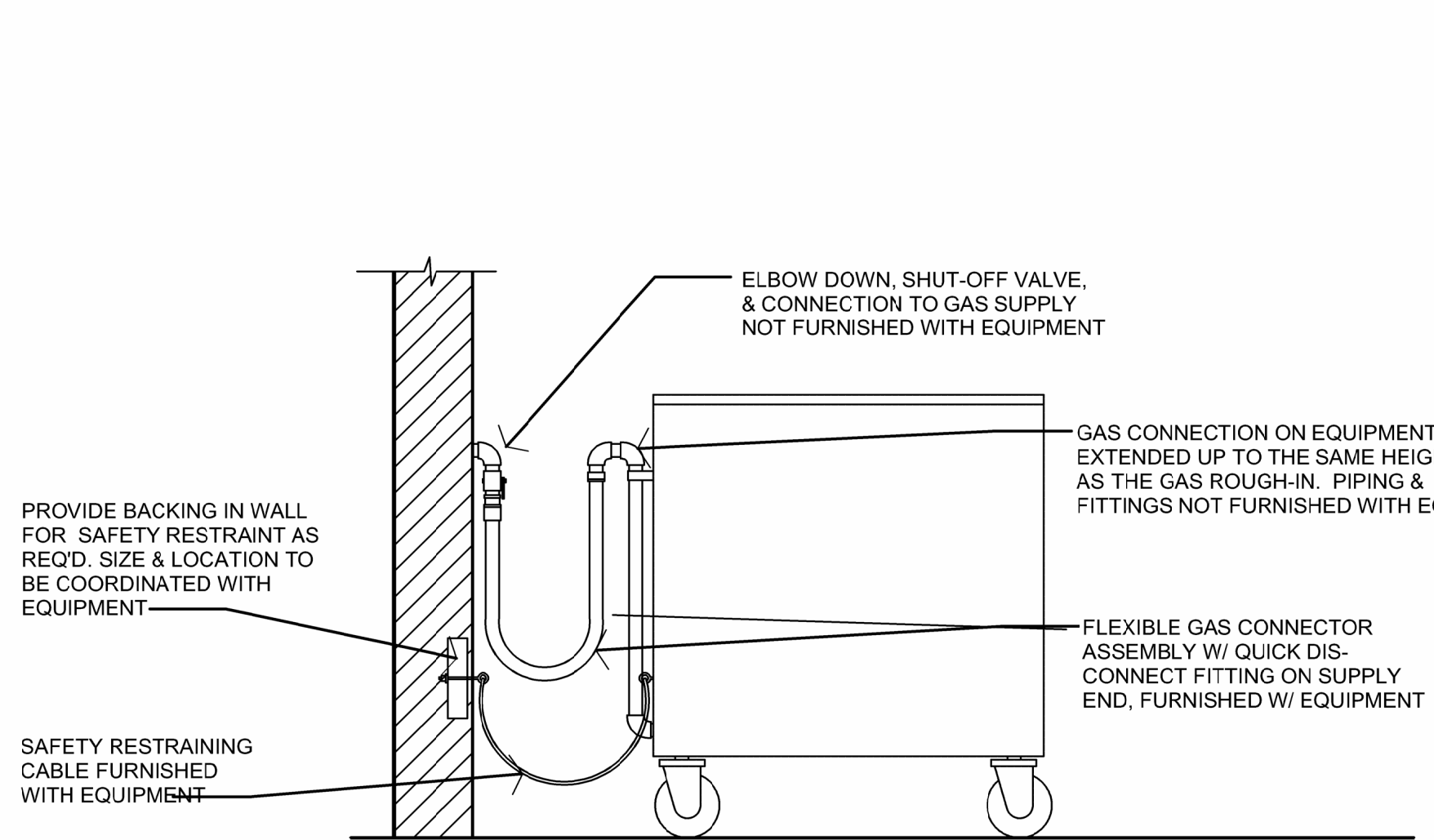
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CHECKED BY: KU
DESIGNED BY: KU

SHEET TITLE:
**FOOD SERVICE
PLAN**

SHEET NUMBER:

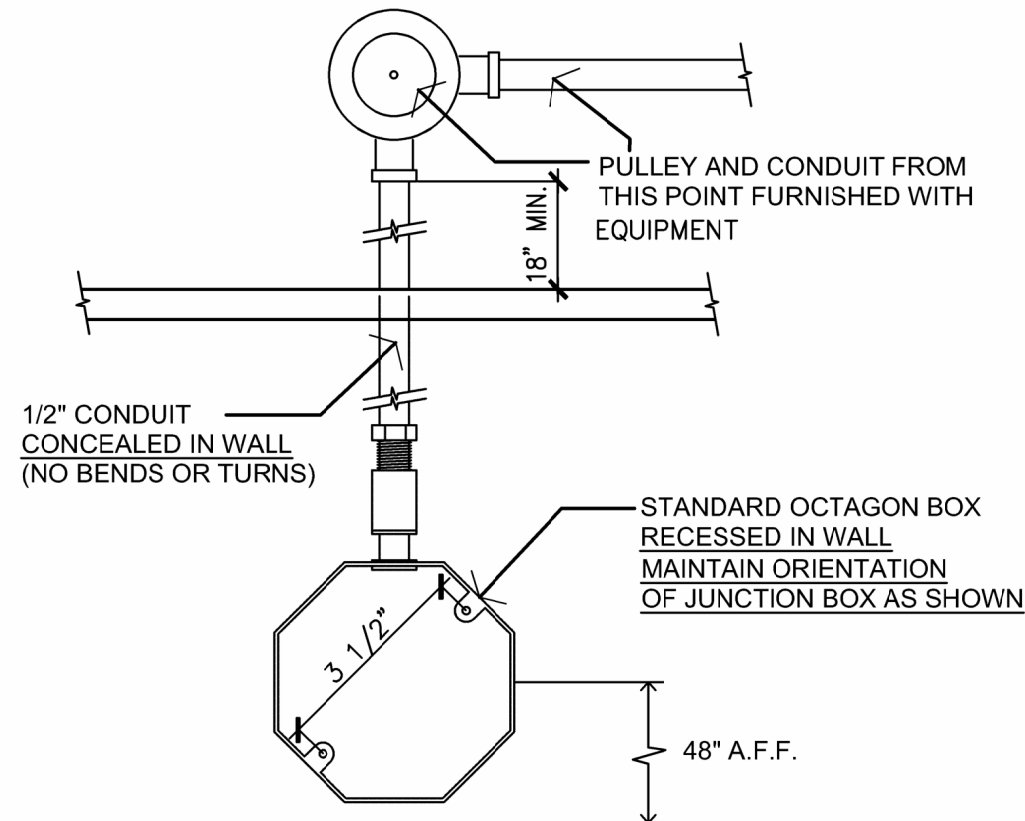
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27 OF 41 SHEETS



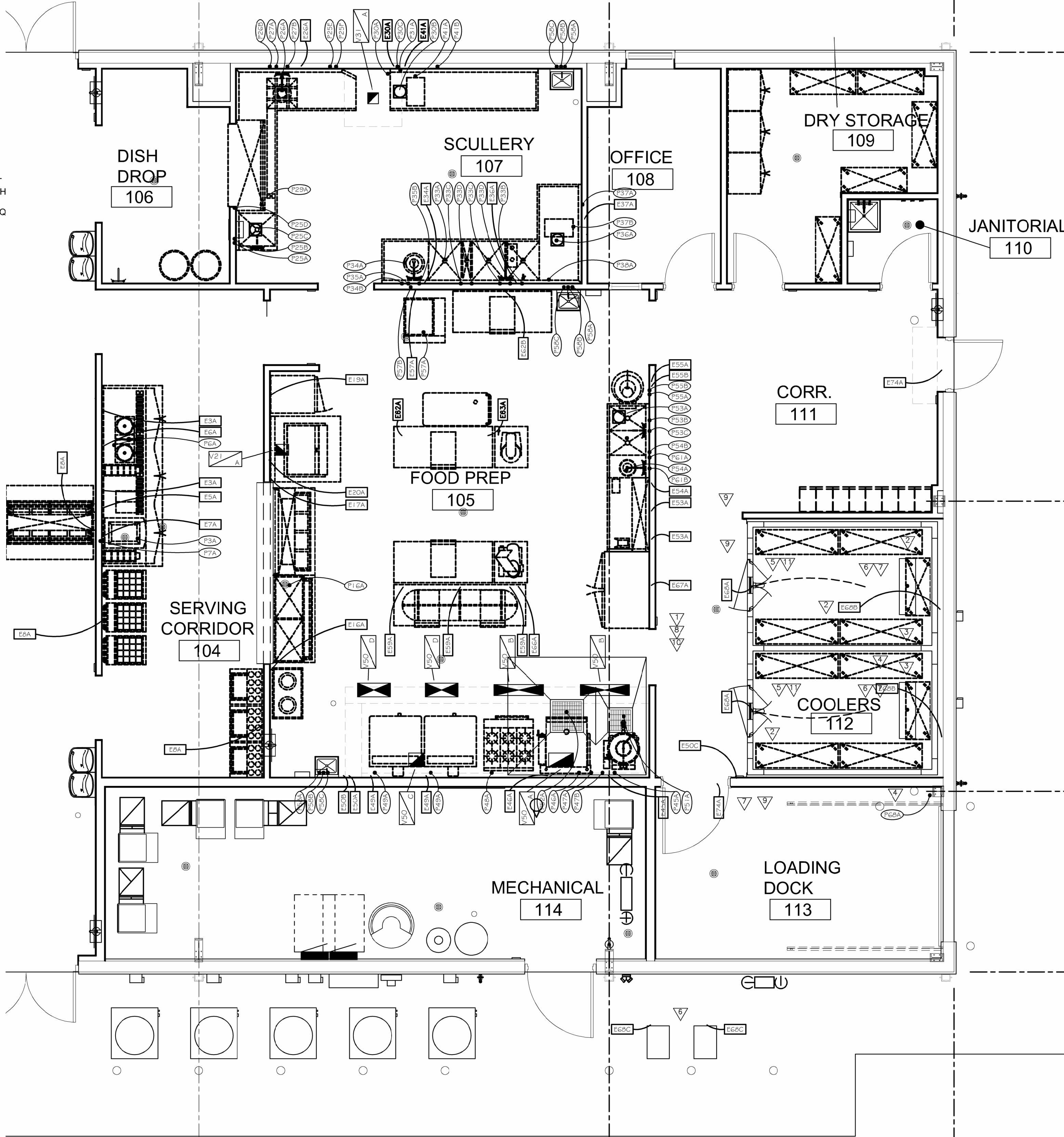
2 GAS CONNECTION DETAIL

NTS



3 REMOTE PULL STATION

NTS



1 UTILITY REQUIREMENT PLAN

1/4" = 1'-0"

SYMBOLS LEGEND

- XXX ELECTRICAL REQUIREMENTS.
- XXX PLUMBING REQUIREMENTS.
- XXX VENTILATION REQUIREMENTS.
- XXX WALK-IN NOTES.

VENTILATION NOTES

- EXHAUST HOOD FURNISHED AND INSTALLED BY EQUIPMENT. DUCTWORK AND ROOF TOP EQUIPMENT FURNISHED AND INSTALLED UNDER THE MECHANICAL SECTION.
- CONTROLS OR SWITCHES FOR EXHAUST FANS OR MAKE-UP AIR UNITS SHALL BE FURNISHED WITH THE EXHAUST HOODS. CONTROLS OR SWITCHES SHALL BE RECESSED IN THE BUILDING WALL, NOT ON THE EXHAUST HOOD.
- FIRE SUPPRESSION SYSTEM FURNISHED AND INSTALLED WITH THE EXHAUST HOOD. CONNECTIONS TO FIRE SUPPRESSION SYSTEM FURNISHED AND INSTALLED UNDER THE ELECTRICAL SECTION.

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE CODES.
- ALL DIMENSIONS ARE FROM THE FACE OF STUDS OF WALLS, FLOORS OR CEILINGS.
- ALL DIMENSIONS INDICATED FROM ROUGH-INS SHALL BE TO THE FACE OF THE ROUGH-IN.
- UTILITY REQUIREMENTS SHOWN ON DRAWINGS ARE FOR THE FOOD SERVICE EQUIPMENT ONLY.
- IN-WALL BLOCKING SHALL BE PROVIDED FOR ALL WALL MOUNTED FOOD SERVICE EQUIPMENT AS REQUIRED BY MANUFACTURER. COORDINATE FOR TYPE, SIZES AND LOCATION OF BLOCKING.

WALK-IN NOTES

- SEE DETAILS 1/K-401 FOR INSULATED FLOOR DETAILS.
- CENTER LINE OF BREAKER STRIP IN FLOOR.
- RUN DRAIN LINE EXPOSED IN REFRIGERATORS, BEHIND SHELVING AND EXTEND DOWN INTO FUNNEL OF FLOOR DRAIN. PROVIDE "P" TRAP OUTSIDE WALK-IN COMPARTMENT.
- PROVIDE SLEEVES FOR DRAIN LINE IN WALLS OF WALK-IN IN BUILDING WALLS AT CORRECT HEIGHT FOR PROPER DRAINAGE. CAULK ALL SLEEVES.
- ALL ELECTRICAL CONNECTIONS FOR WALK-IN INCLUDING WIRING TO ALL EVAPORATIONS, VAPOR-PROOF LIGHTS, DOOR HEATERS, THRESHOLD HEATERS, TIME CLOCKS AND ALL CONTROLS TO BE PROVIDED.
- ELECTRICAL INTERCONNECTIONS BETWEEN THE REFRIGERATOR EVAPORATOR AND ITS RESPECTIVE CONDENSING UNIT ARE NOT REQUIRED.
- TWO REMOTES AIR COOLED REFRIGERATOR CONDENSING UNITS (ITEM #68) SHALL BE MOUNTED ON METAL RACKS AND FACTORY WIRED. UNITS SHALL BE LOCATED OUTSIDE ON CONCRETE PAD AS SHOWN ON PLAN. TWO REFRIGERATOR CONDENSING UNITS SHALL BE WIRED 208-60-1 WITH APPROX. 12.4 AMPS. EACH. NOT INCLUDING EVAPORATORS. EACH CONDENSING UNIT MEASURES APPROX. 25"X31"X31" HIGH AND WEIGHS APPROX. 250 LBS.
- OVERALL HEIGHT OF WALK-IN SHALL BE APPROX. 8'-3 3/4" A.F.F.
- PROVIDE METAL TRIM STRIPS TO MATCH WALK-IN FACING WHERE WALK-IN ABUTS BUILDING WALLS, AND CLOSURE PANELS FROM TOP OF WALK-IN TO FINISH CEILING.
- FINISHED FLOOR TO BE LEVEL PLUS OR MINUS 1/8".
- ALL ELECTRIC CONDUIT SHALL BE RUN ON TOP (EXTERIOR) OF WALK-IN AND SHALL HAVE VAPOR SEALS ON INTERIOR AND EXTERIOR OF CONDUIT.

EQUIPMENT ELECTRICAL NOTES

- ELECTRICAL ROUGH-IN AND FINAL CONNECTIONS TO EQUIPMENT SHALL BE UNDER ELECTRICAL SECTION. MATERIALS FOR EQUIPMENT CONNECTIONS SHALL BE FURNISHED AND INSTALLED UNDER ELECTRICAL SECTION EXCEPT AS NOTED ON DRAWINGS.
- ELECTRICAL DISCONNECTS ARE NOT FURNISHED WITH EQUIPMENT. THEY SHALL BE FURNISHED AND INSTALLED WHERE REQUIRED UNDER ELECTRICAL SECTION. COORDINATE WITH EQUIPMENT ON PROPER LOCATIONS.
- ALL CONDUIT SHALL BE CONCEALED IN WALLS, FLOOR OR CEILING EXCEPT ONLY WHERE ABSOLUTELY NECESSARY.
- ALL CONDUIT AND ELECTRICAL CORDS SHALL BE LOCATED UP OFF THE WALLS TO FACILITATE FLOOR CLEANING AND SHALL BE SUPPORTED FROM ABOVE. FLOOR MOUNTED SUPPORTS SHALL NOT BE USED.
- RECEPTACLES OF THE PROPER CONFIGURATION TO ACCOMMODATE THE PLUGS FURNISHED ON THE EQUIPMENT SHALL BE FURNISHED AND INSTALLED UNDER THE ELECTRICAL SECTION.

EQUIPMENT PLUMBING NOTES

- PLUMBING ROUGH-INS UNDER PLUMBING SECTION INCLUDING FLOOR DRAINS, FLOOR SINKS AND GREASE INTERCEPTORS.
- FINAL CONNECTIONS TO EQUIPMENT UNDER PLUMBING SECTION. COORDINATE WITH THE EQUIPMENT INSTALLER ON CONNECTIONS TO EQUIPMENT.
- MATERIALS FOR EQUIPMENT CONNECTIONS INCLUDING PIPING, FITTING, STOPS, TRAPS, BACKFLOW PREVENTIONS DEVICES AND PRESSURE REGULATORS FURNISHED AND INSTALLED UNDER PLUMBING SECTION EXCEPT AS NOTED ON THE DRAWINGS.
- ALL PIPING SHALL BE CONCEALED IN WALLS, FLOOR OR CEILING EXCEPT WHERE ABSOLUTELY NECESSARY.
- ALL PIPING SHALL BE LOCATED UP OFF THE FLOOR TO FACILITATE FLOOR CLEANING AND SHALL BE SUPPORTED FROM ABOVE. FLOOR MOUNTED SUPPORTS SHALL NOT BE USED.
- WATER FILTERS OR SOFTENERS NOT FURNISHED WITH EQUIPMENT EXCEPT AS NOTED ON DRAWINGS.
- GAS PRESSURE REGULATORS SHALL BE FURNISHED WITH THE EQUIPMENT AND INSTALLED UNDER THE PLUMBING SECTION.
- SINKS: FAUCETS AND DRAIN FITTING FURNISHED WITH THE EQUIPMENT AND INSTALLED UNDER THE PLUMBING SECTIONS.
- DISPOSERS: SOLENOID VALVE, ATMOSPHERIC VACUUM BREAKER, AND WATER INLET FURNISHED WITH THE EQUIPMENT AND INSTALLED UNDER THE PLUMBING SECTION.
- 180 DEGREES WATER LINE TO DISHWASHER SHALL BE INSULATED UNDER THE PLUMBING SECTION.

STATE OF MISSOURI
MIKE KEHOE,
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WAPPAPELLO
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WAPPAPELLO, MO 63966

PROJECT # T2232-01
SITE # 6325
ASSET # 8136325016

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ISSUE DATE: JULY 10, 2026

CAD DWG FILE: A-102.DWG
DRAWN BY: BB
CHECKED BY: KU
DESIGNED BY: KU

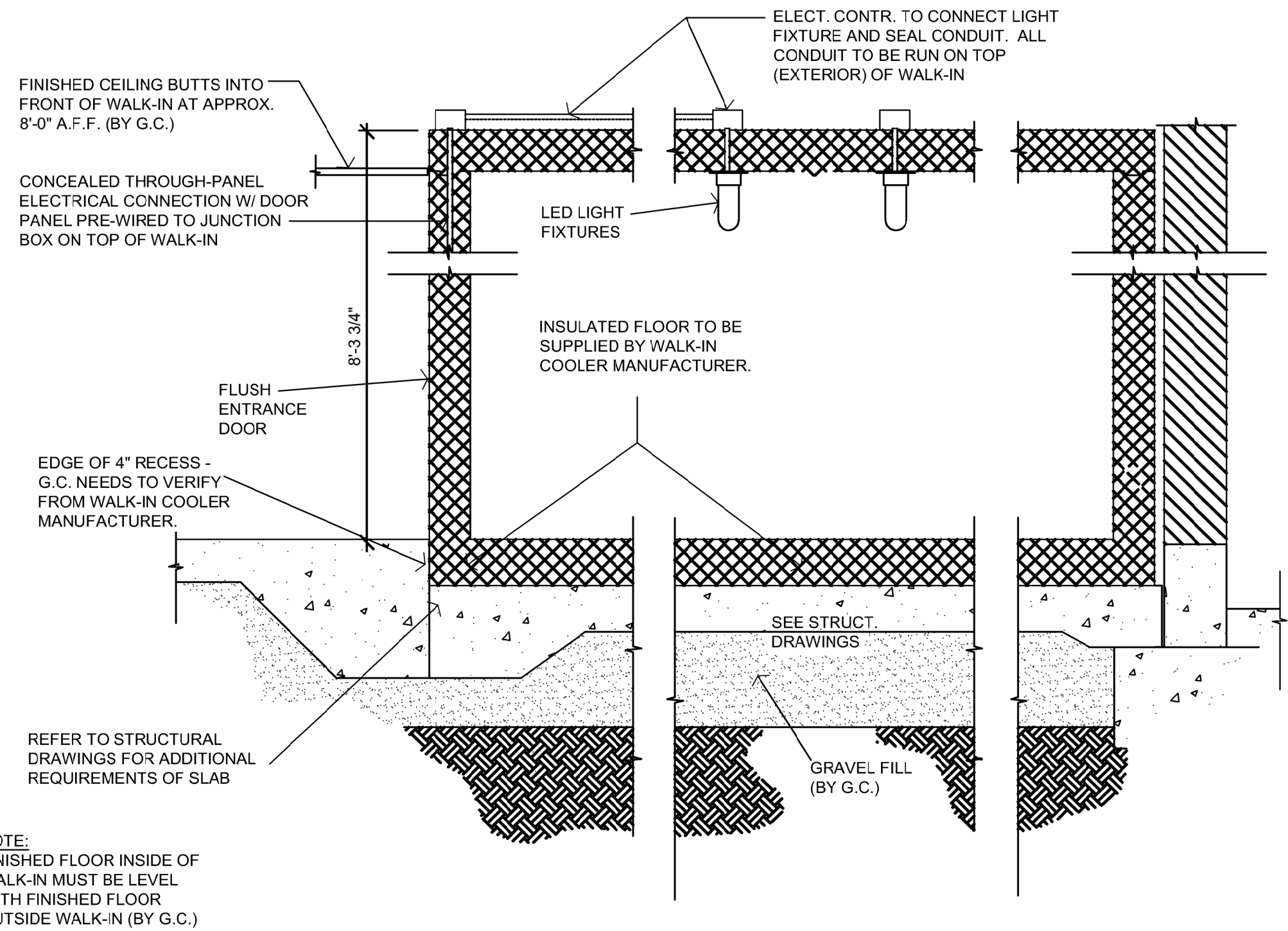
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**UTILITY
REQUIREMENT PLAN
AND DETAILS**

SHEET NUMBER:

K-201

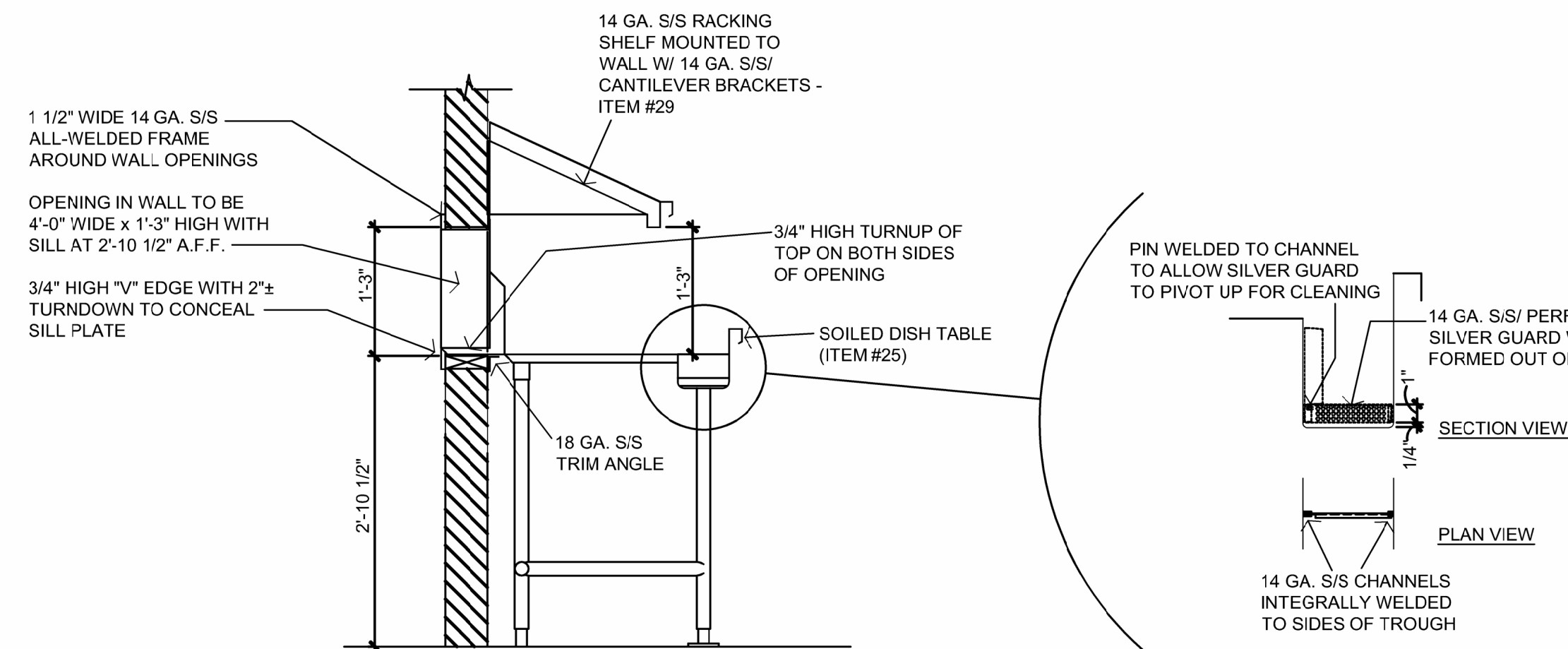
28 OF 41 SHEETS

KITCHEN EQUIPMENT SCHEDULE																																	
ITEM NUMBER	QTY	LOG CLASS	DESCRIPTION	REMARKS	ELECTRICAL SCHEDULE								REMARKS	PLUMBING SCHEDULE								REMARKS	VENTILATION SCHEDULE										
					ELEC. SYMBOL	VOLTS	PHASE	HP	KW	AMPS	CONN.	HT. A.F.F.		PLUMBING SYMBOL	H.W. C.W.	WASTE SIZE	TYPE	GAS	GAS BTU/HR	HT. A.F.F.	VENTILATION SYMBOL		QTY	EXHAUST COLLAR	EXHAUST CFM	S.P. INCHES W.C.	SUPPLY COLLAR	SUPPLY CFM	S.P. INCHES W.C.	HT. A.F.F.	ITEM NUMBER		
1	3	C	TRAY & SILVERWARE DISPENSERS	NO SERVICE REQUIREMENTS																												1	
2	3	C	CUP & GLASS RACK DISPENSERS	NO SERVICE REQUIREMENTS																												2	
3	1	A	BEVERAGE COUNTER		E3A	120	1			10.0	DR	48"	CONVENIENCE RECEPTACLE	P3A				FFD				SU	EXTEND DRAIN LINES FROM DRIP TROUGH AND FROM ICE & WATER DISPENSER - ITEM #7									3	
4			OPEN NUMBER																													4	
5	1	C	JUICE DISPENSER	MOUNT ON ITEM #3	E5A	120	1			5.6	DR	48"																				5	
6	1	A	COFFEE URN	MOUNT ON ITEM #3	E6A	120/208	1			28.0	JB	48"	CONNECT TO COFFEE URN	P6A		1/2"		EC				36"	C.W. SUPPLIED FROM #P7A									6	
7	1	A	ICE & WATER DISPENSER	MOUNT ON ITEM #3	E7A	120	1			2.8	DR	48"		P7A		1/2"						24"	CONNECT TO WATER FILLER FAUCET AND TO COFFEE URN - ITEM #6									7	
8	1	C	COLD FOOD COUNTER		E8A	120	1			8.8	DR	24"	TWO RECEPTACLES IN SERVING & ONE RECEPTACLE IN DINING ROOM																			8	
9	2	C	DISPOSABLE CUP DISPENSERS	NO SERVICE REQUIREMENTS																												9	
10			OPEN NUMBER																													10	
11			OPEN NUMBER																													11	
12			OPEN NUMBER																													12	
13			OPEN NUMBER																													13	
14			OPEN NUMBER																													14	
15	1	C	MOBILE PLATE DISPENSER	NO SERVICE REQUIREMENTS																												15	
16	1	A	COLD FOOD COUNTER	WITH DOUBLE DECK DISPLAY	E16A	120	1			8.8	DR	18"																					16
17	1	A	HOT FOOD COUNTER	WITH SNEEZE GUARD	E17A	120/208	1			18.6	SR	18"	VERIFY PLUG CONFIGURATION																				17
18	1	C	TRAY SLIDE	NO SERVICE REQUIREMENTS																													18
19	1	C	HEATED CABINET		E19A	208	1			6.0	SR	86"	NEMA 6-20P PLUG ON EQUIPMENT																				19
20	1	A	GRIDDLE AND STAND		E20A	208	1		12.0		SR	18"	CORD & PLUG BY DIV. 26. NOTE: 28.6, 49.9, 28.8 AMPS/PHASE																			20	
21	1	A	EXHAUST HOOD	FIRE SUPPRESSION & CONTROLS FURNISHED																												21	
22			OPEN NUMBER																														22
23			OPEN NUMBER																														23
24			OPEN NUMBER																														24
25	1	A	SOILED DISH TABLE	WITH UNDERCOUNTER HOSE REEL										P25A		1/2"						24"	CONNECT TO FAUCET										25
														P25B		1/2"						24"	CONNECT TO FAUCET										
														P25C			2"	FS				SU	EXTEND DRAIN LINES FROM SOAK SINK & FROM RACK SHELF - ITEM #29										
														P25D		1/2"						30"	CONNECT TO TROUGH INLET - BACKFLOW PREVENTER REQUIRED										
														P25E		1/2"						24"	CONNECT TO UNDERCOUNTER HOSE REEL - BACKFLOW PREVENTER REQUIRED										
														P25F		1/2"						24"	CONNECT TO UNDERCOUNTER HOSE REEL - BACKFLOW PREVENTER REQUIRED										
26	1	A	GARBAGE DISPOSER	INSTALL ON ITEM #25	E26A	230	1			12.0	JB	24"	CONNECT TO CONTROL CENTER, THEN FROM CONTROL CENTER TO DISPOSER & SOLENOID VALVE	P26A		1/2"			EC			32"	DISPOSER WATER INLET IN SINK - CONNECT FROM #P27B THROUGH SOLENOID VALVE										26
														P26B			3"	DC				8"	CONNECT TO DISPOSER										
27	1	A	PRE-RINSE FAUCET	INSTALL ON ITEM #25										P27A		1/2"						18"	CONNECT TO PRE-RINSE FAUCET										27
														P27B			3/4"					18"	CONNECT TO PRE-RINSE FAUCET AND THROUGH SOLENOID VALVE TO #P26A										
28			OPEN NUMBER																														28
29	1	A	CUP AND GLASS RACKING SHELF	INSTALL OVER ITEM #25										P29A					EC				EXTEND STAINLESS STEEL DRAIN LINE TO FS #P25C										29
30	1	A	DISHWASHER		E30A	208	1			68.8	JB	12"	CONNECT TO DISHWASHER	P30A		3/4"			EC			52"	180 DEG. F. MIN.) CONNECT FROM BOOSTER HEATER - ITEM #41 TO DISHWASHER.										30
														P30B				3"	FS			SU	EXTEND DRAIN LINES FROM DISHWASHER, CONDENSATE HOOD - ITEM #31										
														P30C		1/2"						18"	CONNECT TO DRAIN WATER TEMPERING CONNECTION										
														P31A					EC				EXTEND CHROME PLATED DRAIN LINE TO FS #P30B	V31A	1	8" X 8"	525	0.08			108"	31	
32	1	A	CLEAN DISH TABLE	NO SERVICE REQUIREMENTS																													32
33	1	A	UTENSIL WASHING SINK											P33A				2"	EC				CONNECT TO FOUR SINK CONNECTIONS AND EXTEND TO GREASE INTERCEPTOR AS REQ										33
														P33B		3/4"			EC			36"	FAUCET - CONNECT FROM #P37B WITH INSULATED LINE										
														P33C		1/2"						18"	CONNECT TO FAUCET										
														P33D		1/2"						18"	CONNECT TO FAUCET								</		



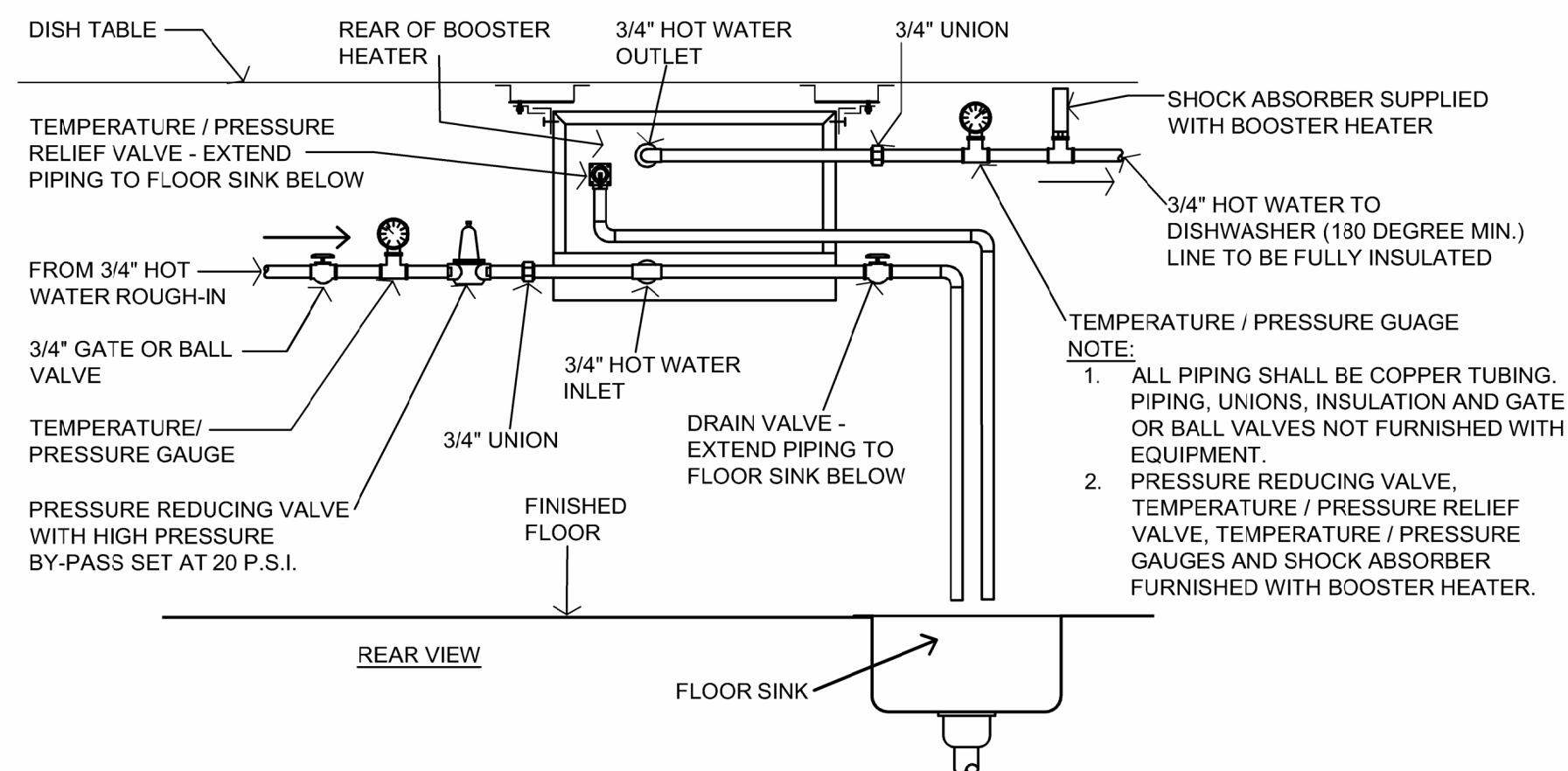
1 WALK-IN SECTION DETAIL

NTS



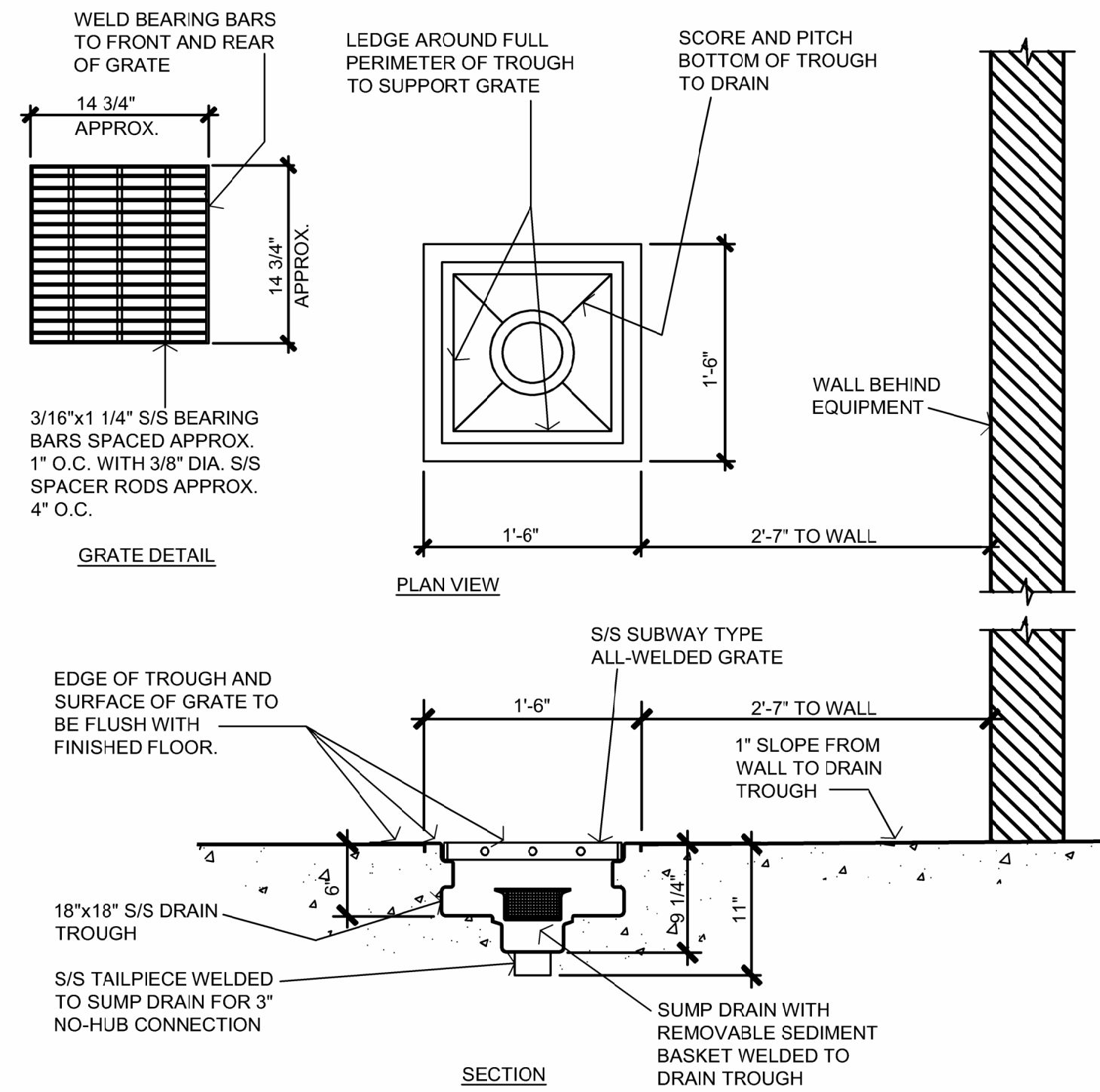
4 TRAY RETURN SECTION

NTS



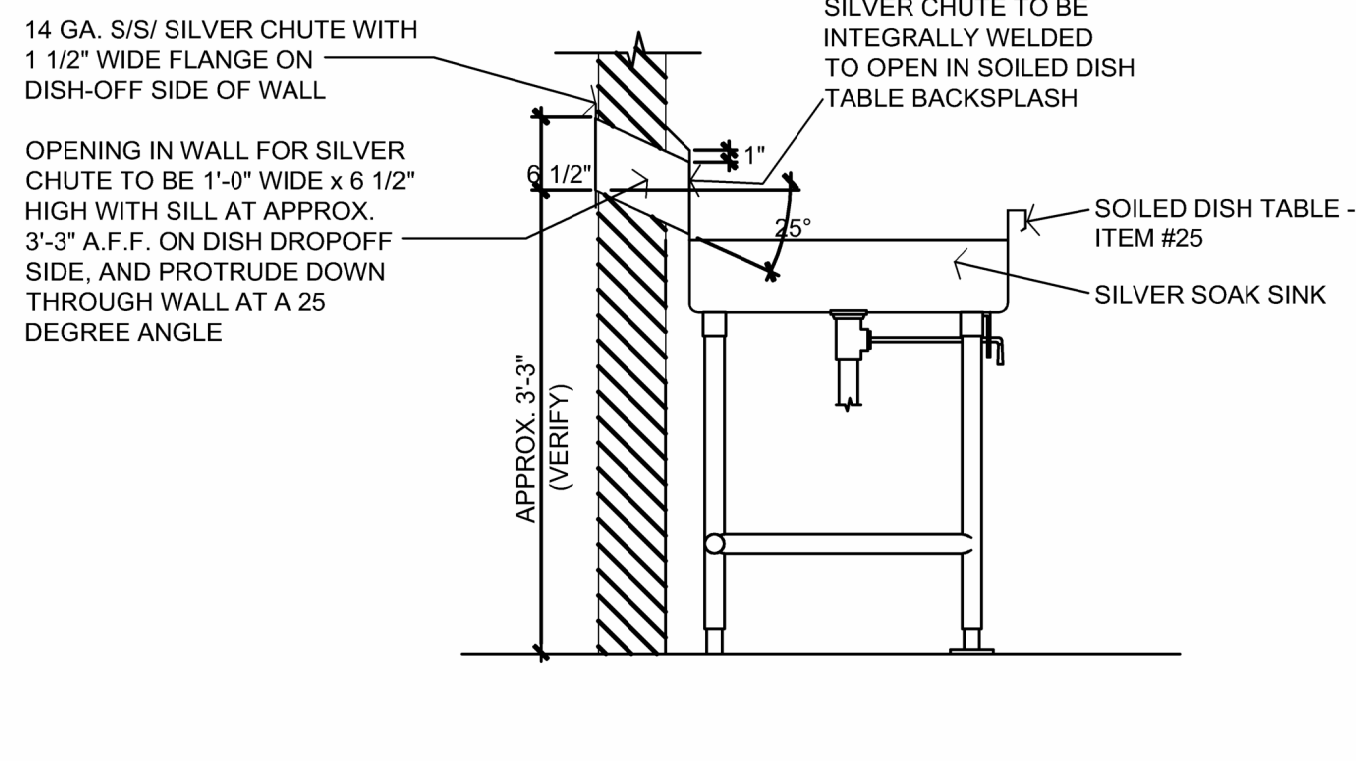
7 BOOSTER HEATER PIPING

NTS



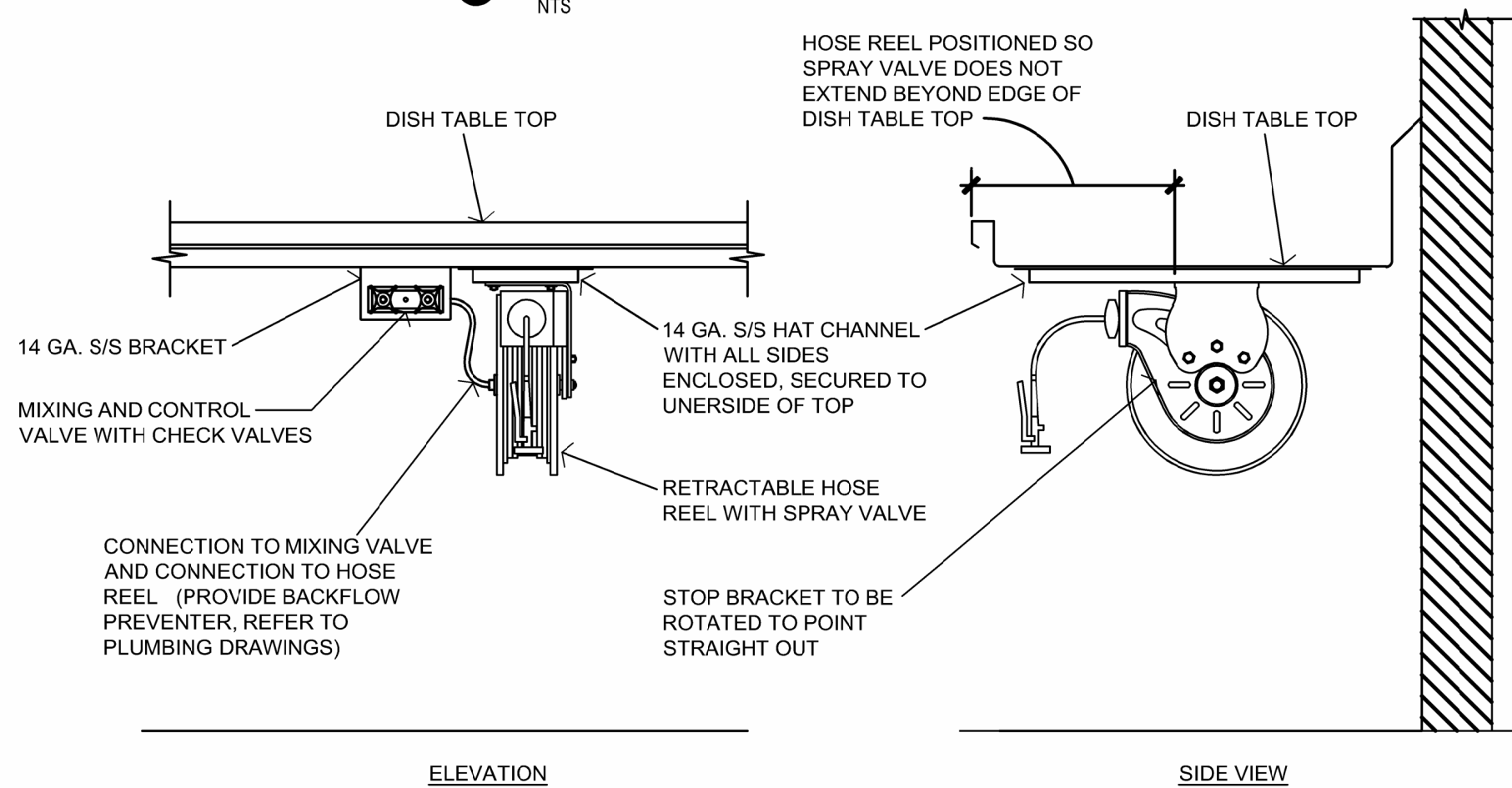
2 FLOOR THROUGH AT KETTLE

NTS



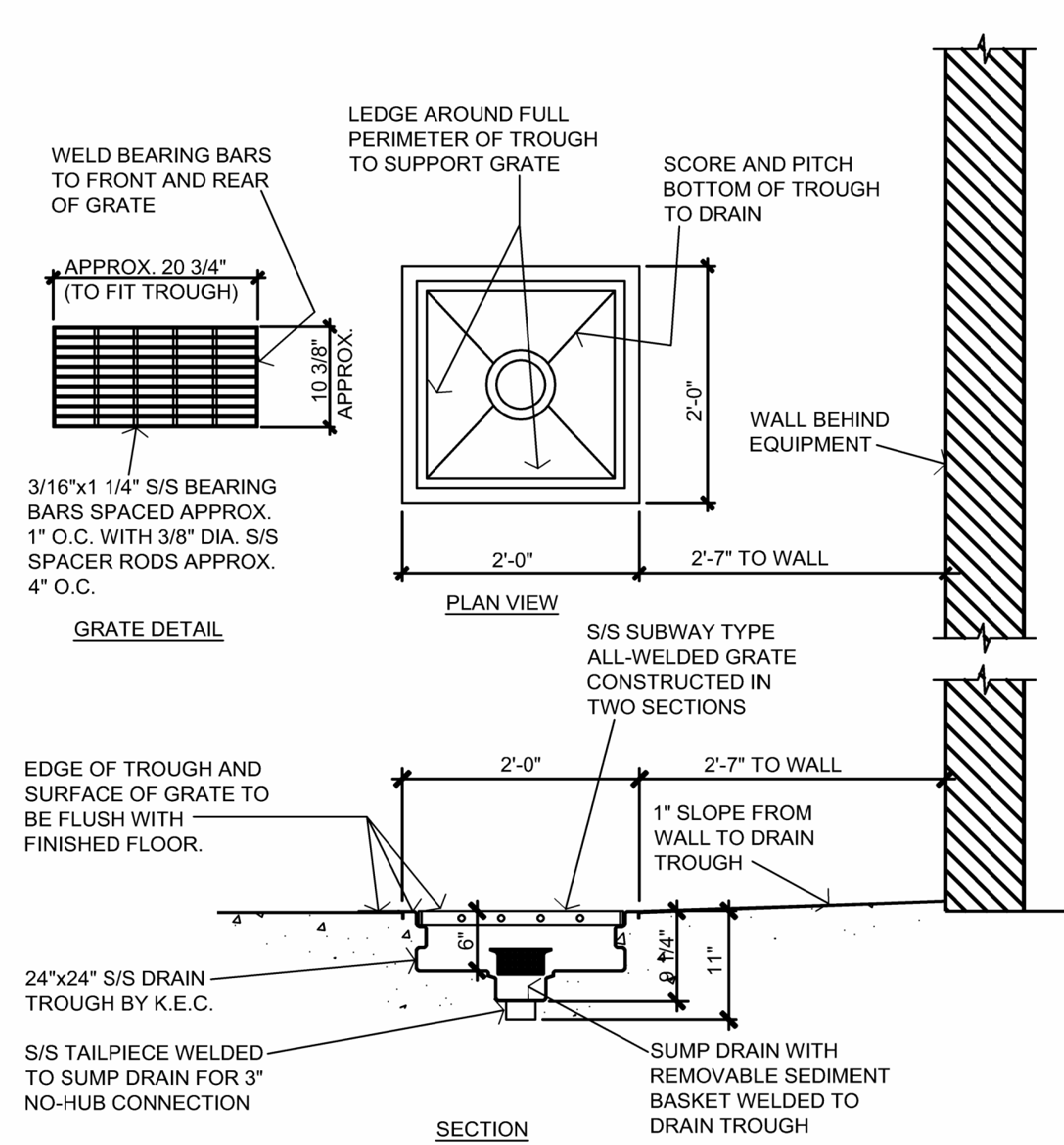
5 SILVER CHUTE SECTION

NTS



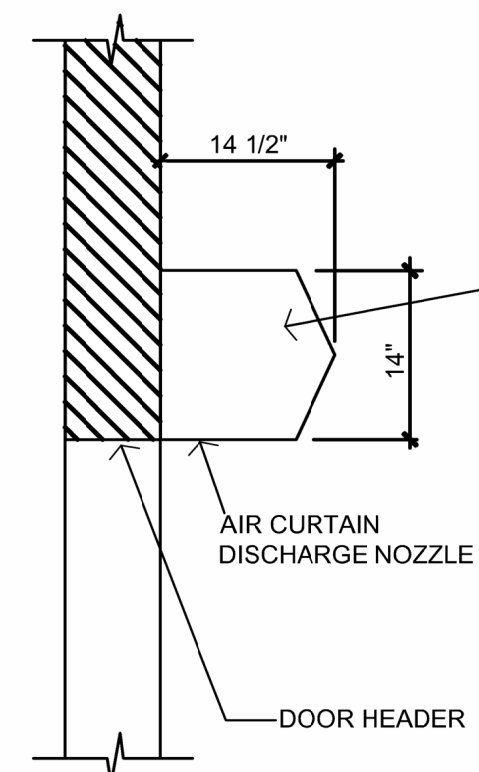
8 UNDERCOUNTER HOSE REEL

NTS



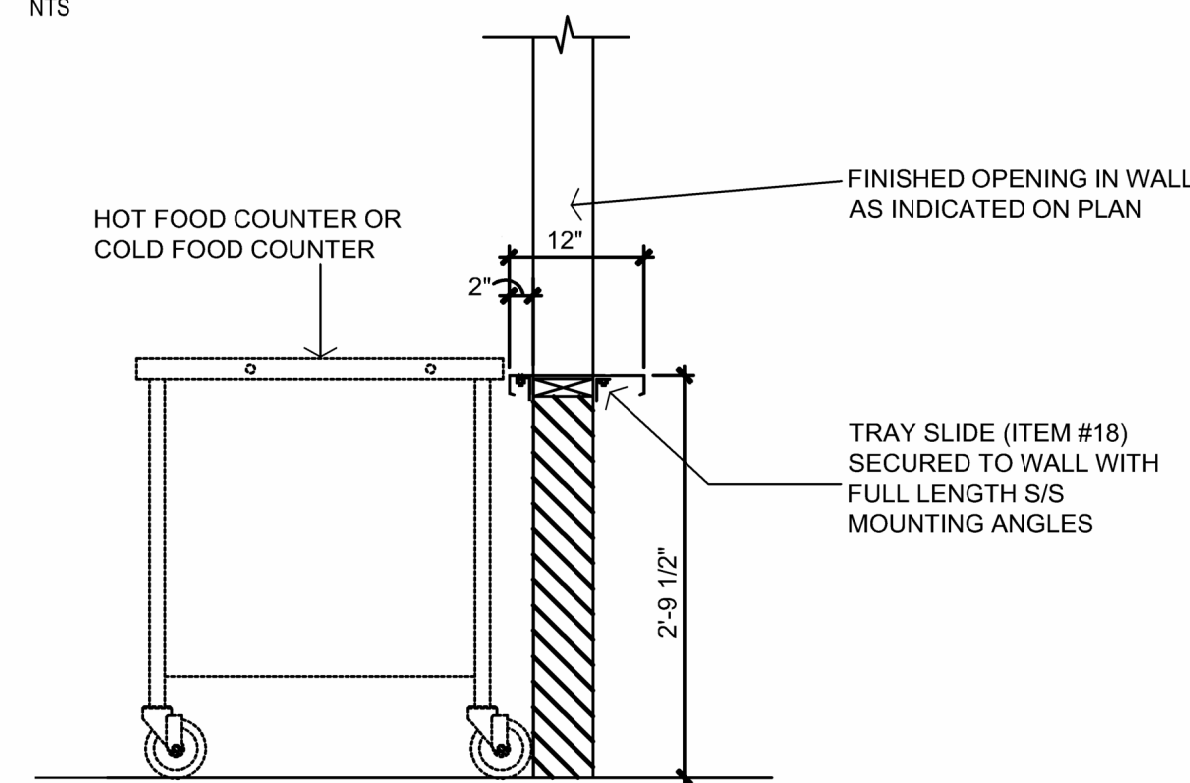
3 FLOOR THROUGH AT TILT SKILLET

NTS



6 AIR CURTAIN SECTION

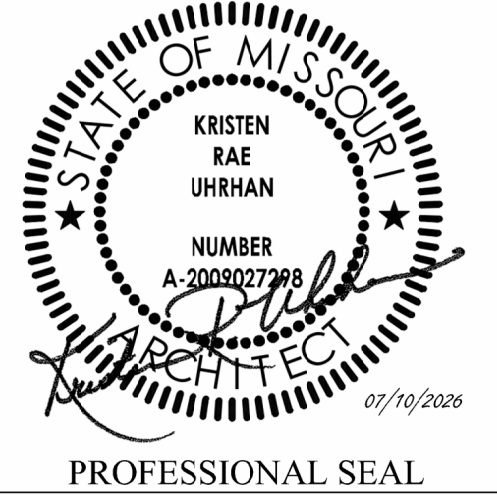
NTS



9 SERVING WINDOW SECTION

NTS

STATE OF MISSOURI
MIKE KEHOE,
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OFFICE OF ADMINISTRATION
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DEPARTMENT OF
PUBLIC SAFETY
MISSOURI ARMY
NATIONAL GUARD

CONSTRUCT NEW
SOLDIER DINING FACILITY

WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT # T2232-01
SITE # 6325
ASSET # 8136325016

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: JULY 10, 2026

CAD DWG FILE: K-301.DWG
DRAWN BY: BB
CHECKED BY: KU
DESIGNED BY: KU

SHEET TITLE:
KITCHEN EQUIPMENT
SCHEDULE

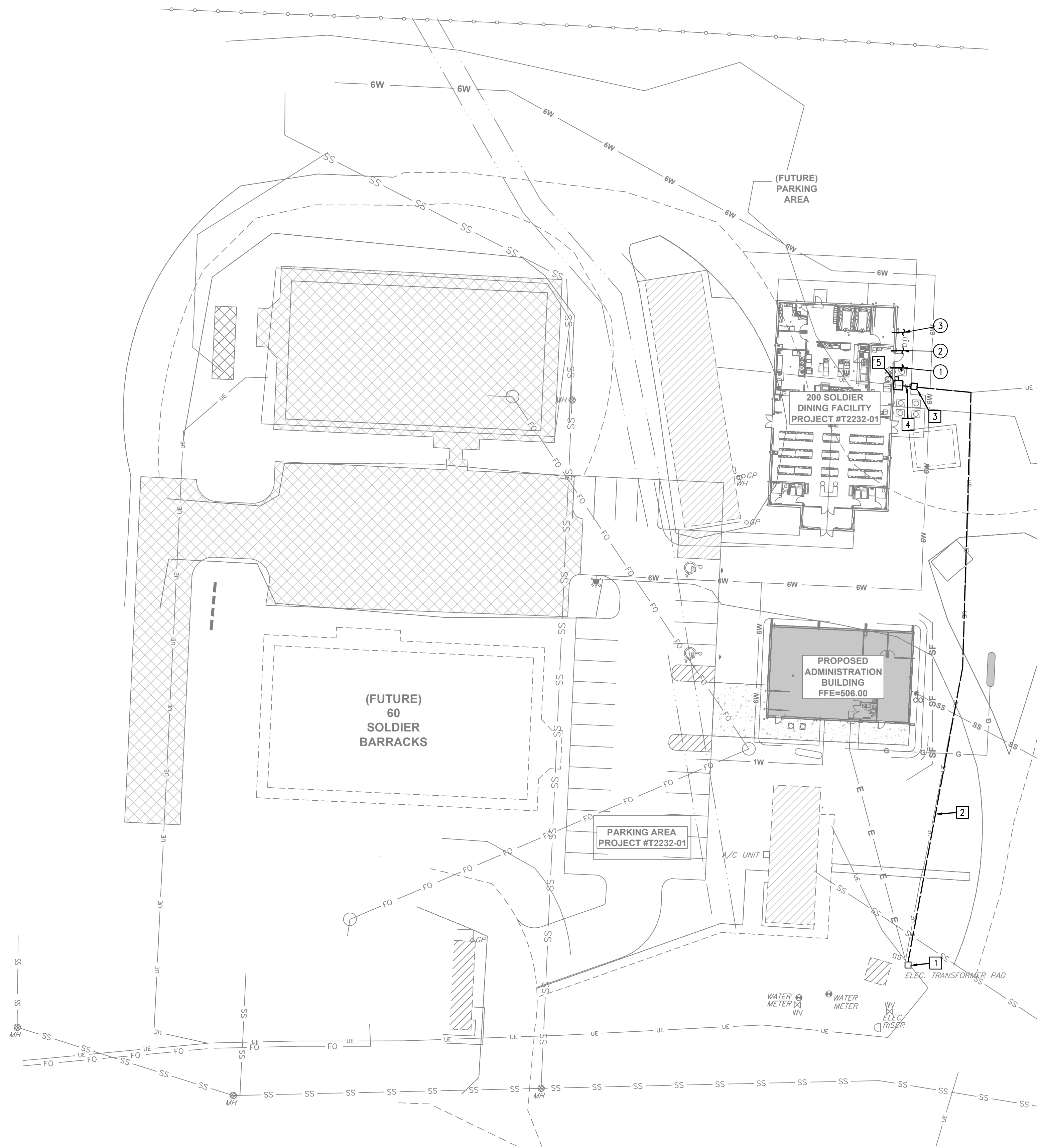
SHEET NUMBER:

K-401

30 OF 41 SHEETS

PROJECT NAME: New Soldier Dining Facility - Wappapello MO (T2233-01)
AUTOCAD FILE LOCATION: X:\22\22277\Drawings\01-2227701-MEP-101.dwg
LAST CORRECTION BY: Bootyc Wednesday, April 29, 2026 1:46:16 PM
PLOTED BY: Prasanta Patro Wednesday, July 8, 2026 2:42:39 PM

PROJECT NAME: New Soldier Dining Facility - Wappapello MO (T2233-01)
AUTOCAD FILE LOCATION: X:\22\22277\Drawings\01-2227701-MEP-101.dwg
LAST CORRECTION BY: Bootyc Wednesday, April 29, 2026 1:46:16 PM
PLOTED BY: Prasanta Patro Wednesday, July 8, 2026 2:42:39 PM



1 MECHANICAL AND ELECTRICAL SITE PLAN
1" = 30'-0"



MECHANICAL AND ELECTRICAL GENERAL DEMOLITION
PLAN NOTES:

1. COORDINATE ALL EXISTING MESS HALL UTILITY
DEMOLITION WORK WITH SITE UTILITY AND CIVIL.
CAP ALL PLUMBING PIPING AND CONDUIT SERVING
EXISTING MESS HALL BUILDING TO BE REMOVED AS
REQUIRED.

MECHANICAL PLAN NOTES:

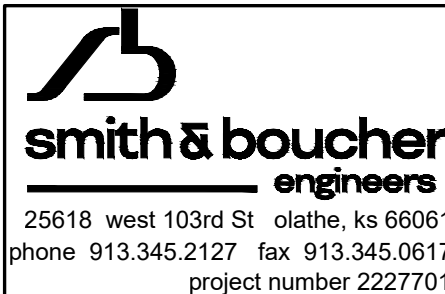
1. SANITARY SEWER SERVICE ENTRANCE LOCATION.
REFER TO PLUMBING PLANS FOR SIZE. REFER TO
CIVIL DRAWINGS FOR CONTINUATION.
2. COMBINED FIRE AND DOMESTIC WATER SERVICE
ENTRANCE LOCATION. REFER TO PLUMBING PLANS
FOR SIZE. REFER TO CIVIL DRAWINGS FOR
CONTINUATION.
3. LP SERVICE ENTRANCE LOCATION. REFER TO
PLUMBING PLANS FOR SIZE. REFER TO CIVIL
DRAWINGS FOR CONTINUATION.

ELECTRICAL GENERAL NOTES:

1. ELECTRICAL UTILITY COMPANY IS OZARK BORDER
ELECTRIC COOPERATIVE. FURTHER REFERENCED ON
THIS SHEET AS
'UTILITY'.
2. COORDINATE ALL UTILITY REQUIREMENTS AND WORK
PRIOR TO COMMENCING PROJECT.

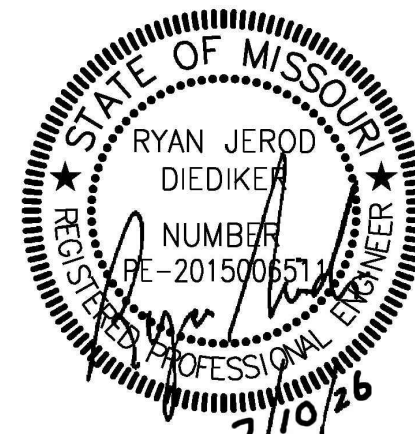
ELECTRICAL PLAN NOTES:

1. EXISTING UTILITY TRANSFORMER.
2. EXTEND EXISTING PRIMARY FEEDER UNDERGROUND
FROM EXISTING TRANSFORMER TO NEW
TRANSFORMER SERVING NEW DINING HALL. SEE
RISER DIAGRAM ON SHEET E-102 FOR ADDITIONAL
INFORMATION.
3. NEW PAD MOUNTED TRANSFORMER BY UTILITY TO
SERVE DINING HALL. PAD BY CONTRACTOR PER
UTILITY STANDARDS. COORDINATE WITH UTILITY
STANDARDS AND SERVICE REPRESENTATIVE PRIOR
TO EXCAVATION. SEE RISER DIAGRAM ON SHEET
E-102 FOR ADDITIONAL INFORMATION.
4. NEW TRANSFORMER'S SECONDARY FEEDER. SEE
RISER DIAGRAM ON SHEET E-102 FOR ADDITIONAL
INFORMATION.
5. NEW MAIN DISCONNECT SWITCH. SEE RISER
DIAGRAM ON SHEET E-102 FOR ADDITIONAL
INFORMATION.

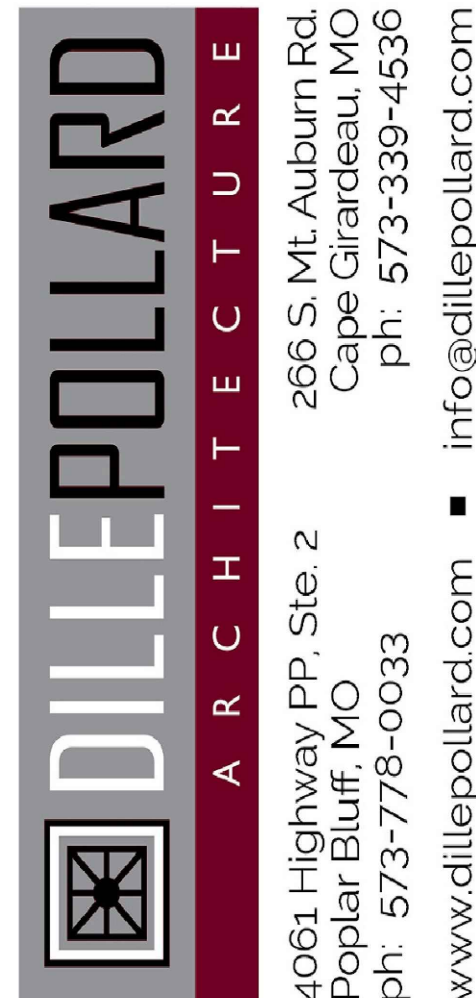


25618 west 103rd St. olathe, ks 66061
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project number 2227701

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



PROFESSIONAL SEAL



OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
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CONSTRUCT NEW
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WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT #
SITE #
ASSET #

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

ISSUE DATE: JULY 10, 2026

CAD DWG FILE: _____
DRAWN BY: SBI
CHECKED BY: RJD
DESIGNED BY: JEB

SHEET TITLE:
MECHANICAL
AND
ELECTRICAL
SITE PLAN

SHEET NUMBER:

MEP-101

31 OF 41 SHEETS

PROJECT NAME: Wappapello Training Site
AUTOCAD FILE LOCATION: X:\22\22277\2227701\Drawings\02-2227701_ME-101.dwg
LAST CORRECTION BY: JEB
PLOT DATE: Wednesday, July 8, 2026 2:42:46 PM

KITCHEN MAKEUP AIR UNIT SCHEDULE																					
MARK	B.O.D. MFR	MODEL #	CFM	EXTERNAL S.P. (IN. W.C.)	HEATING				COOLING						FAN MOTOR H.P.	VOLTAGE/ PHASE	CIRCUIT #1		WEIGHT (LB) NOTE 15	ACCESSORIES	
					TYPE	INPUT (MBH)	OUTPUT (MBH)	TEMP RISE (°F)	EFFICIENCY	REFRIG.	COIL MODEL	ROWS/FPI	SENS. MBH	TOTAL MBH			LAT F. (DB / WB)	MCA			MOCP
MAU1	ACCUREX	XDGX-P115-H12-MF	2,477	0.58"	LP GAS	290.8	267.5	100	92%	-	-	-	-	-	1.2 HP	240/1	13.1	20	1,000	1,2,3,4,5,8,9,11,13	
MAU2	ACCUREX	XDGX-P109-H12-MF	1,500	0.5"	LP GAS	159	146	90	92%	R-454B	DX368SH410-27x22	2/10	40.4	63.4	68.7/68.7	1/2 HP	240/1	39	60	2,000	1,2,3,4,5,6,7,8,10,11,12,13,14
ACCESSORIES:																					
1. INSULATED PITCHED ROOF CURB OF HEIGHT TO MAINTAIN 14" CLEAR ABOVE FINISHED ROOF SURFACE.										7. DIRTY FILTER SWITCH.						14. FIELD INSTALL REFRIGERATION LINESETS BETWEEN COIL AND CONDENSING UNITS ON THE ROOF.					
2. COORDINATE ROOF CURB TO BE COMPATIBLE WITH STANDING SEAM METAL ROOF.										8. MICROPROCESSOR CONTROLS.						15. WEIGHT DOES NOT INCLUDE CURB WEIGHT.					
3. ELECTRIC MODULATING GAS VALVE W/ DISCHARGE AIR SENSOR										9. INCLUDE DISCHARGE TEMPERATURE CONTROL.											
4. FACTORY INSTALLED ELECTRICAL DISCONNECTING MEANS										10. INCLUDE ROOM SPACE SENSOR FOR TEMPERATURE CONTROL.											
5. DOUBLE WALL CONSTRUCTION.										11. WEATHERHOOD INTAKE WITH MESH FILTER.											
6. SUPPLY FAN TO INCLUDE VFD CONTROL, SET FOR CONSTANT VOLUME.										12. INCLUDE MERV 8 FILTERS.											
7. HEAT AND COOL INLET SENSOR.										13. FACTORY PROVIDED SERVICE RECEPTACLE, 120 VOLT FIELD POWERED BY ELECTRICAL CONTRACTOR.											

KEYNOTES:

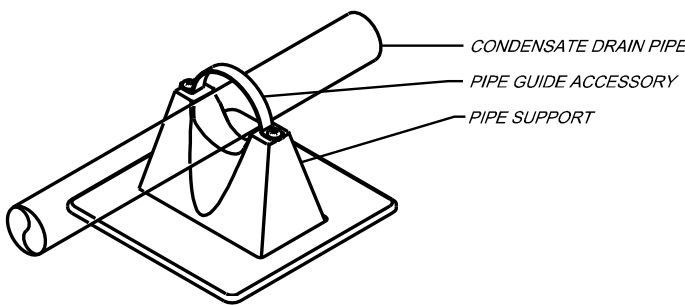
- 1" GAS DOWN THRU ROOF, CONNECT TO MAKEUP AIR UNIT. PROVIDE UNION, DIRT LEG AND SHUT-OFF VALVE.
- CONNECT TRAPPED AND VENTED 1" CONDENSATE DRAIN TO MAKEUP AIR UNIT. ROUTE TO STORM GUTTER AND TERMINATE WITH ELBOW DOWN INTO GUTTER. PROVIDE "WRO" 1.5" PILLOW BLOCK WITH 1.5" PIPE GUIDE OR EQUIVALENT. PIPE SUPPORT AT 48" ON CENTER.
- MOUNT EXTERIOR PHOTOCELL ON ROOF AND AIM NORTH. INSTALL PER MANUFACTURER'S ADJUSTING RECOMMENDATIONS. CIRCUIT ALL EXTERIOR WALL PACKS "WIE" IN SERIES WITH PHOTOCELL.

CONDUIT & CONDUCTOR SCHEDULE:

- (2) #10 AND (1) #10 GROUND IN 3/4" CONDUIT
- (2) #8 AND (1) #10 GROUND IN 3/4" CONDUIT

SPECIAL NOTE:

PROVIDE ALL MECHANICAL CONNECTIONS TO ALL KITCHEN EQUIPMENT. PROVIDE ALL FITTINGS, VALVES AND DRAIN ACCESSORIES AS REQUIRED. VERIFY ALL REQUIREMENTS WITH THE KITCHEN EQUIPMENT SUPPLIER AND THE KITCHEN CONSULTANT.

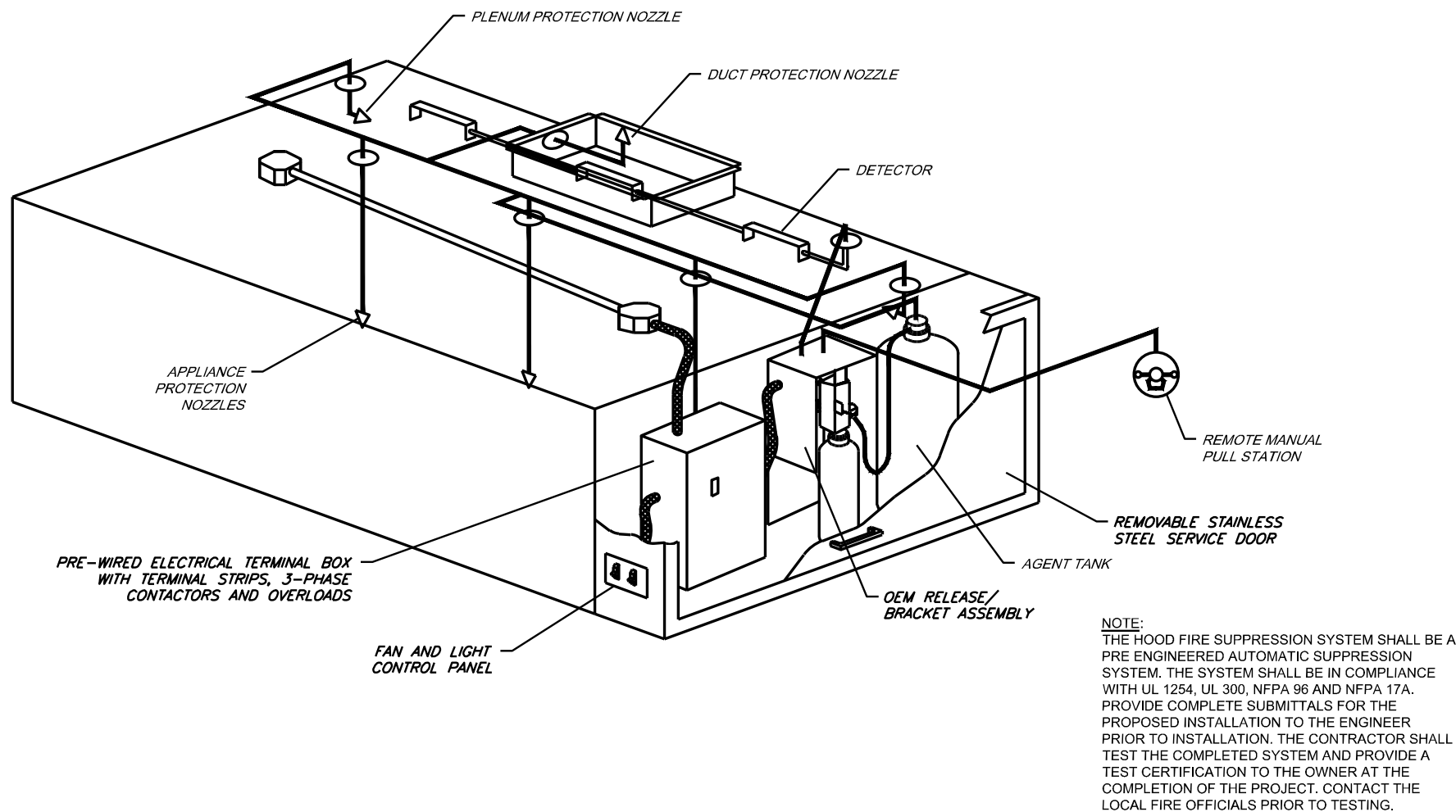


NOTES:

- SUPPORT SHALL BE MILD 1.5" PILLOW BLOCK SUPPORTS. EQUIVALENT BY EATON, ERICO OR GASITTE.
- SUPPORT DEVICE SHALL BE SIZED TO ADEQUATELY SUPPORT LOAD IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- INSTALL PIPE SUPPORT IN ACCORDANCE WITH THE ROOFING MANUFACTURER'S REQUIREMENTS.
- FOR PVC CONDENSATE DRAIN PIPING, PROVIDE SUPPORTS AT 48" ON CENTER SPACING.

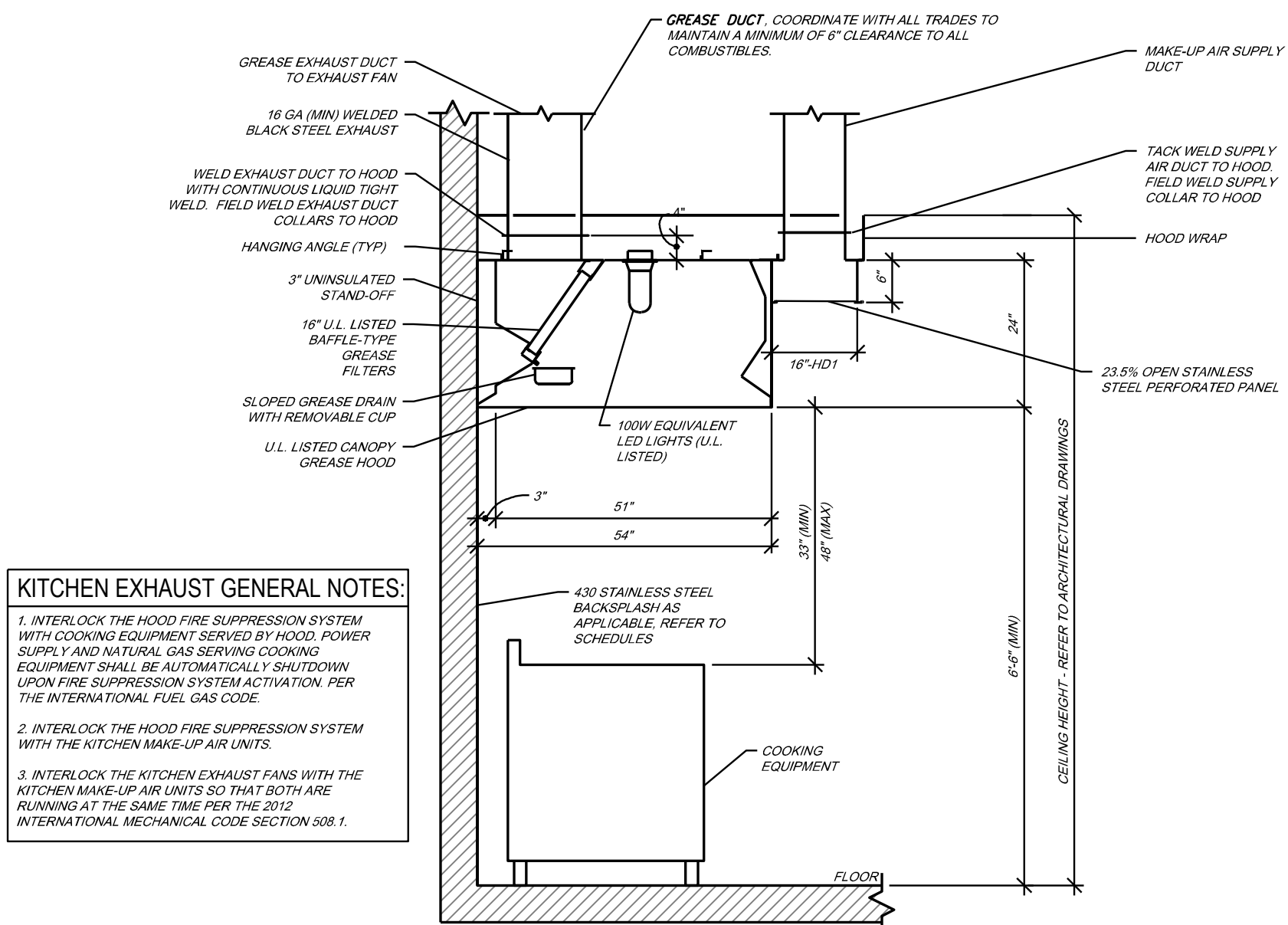
ROOF MOUNTED CONDENSATE DRAIN PIPE SUPPORT DETAIL

NO SCALE



TYPICAL ANSUL R-102 SYSTEM LAYOUT

NO SCALE



KITCHEN EXHAUST GENERAL NOTES:

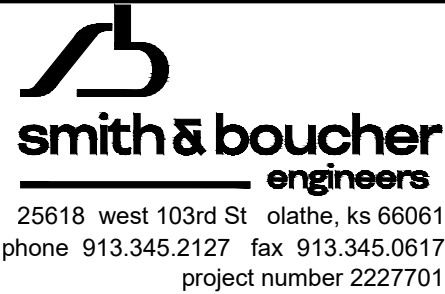
- INTERLOCK THE HOOD FIRE SUPPRESSION SYSTEM WITH COOKING EQUIPMENT SERVED BY HOOD. POWER SUPPLY AND NATURAL GAS SERVING COOKING EQUIPMENT SHALL BE AUTOMATICALLY SHUT-DOWN UPON FIRE SUPPRESSION SYSTEM ACTIVATION, PER THE INTERNATIONAL FUEL GAS CODE.
- INTERLOCK THE HOOD FIRE SUPPRESSION SYSTEM WITH THE KITCHEN MAKE-UP AIR UNITS.
- INTERLOCK THE KITCHEN EXHAUST FANS WITH THE KITCHEN MAKE-UP AIR UNITS SO THAT BOTH ARE RUNNING AT THE SAME TIME PER THE 2012 INTERNATIONAL MECHANICAL CODE SECTION 508.1.

KITCHEN EXHAUST HOOD DETAIL

NO SCALE

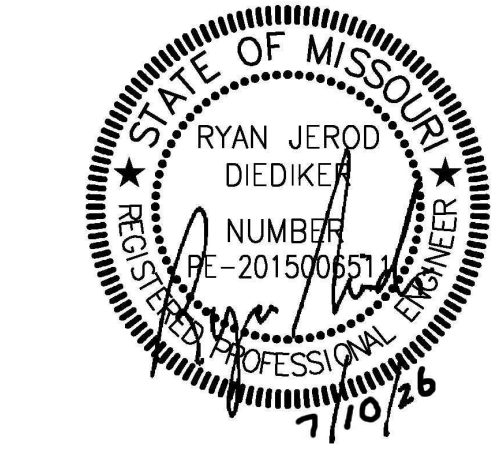
MECHANICAL AND ELECTRICAL ROOF PLAN

1/8" = 1'-0"



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project number 2227701

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WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT #
SITE #
ASSET #

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: JULY 10, 2026

CAD DWG FILE:
DRAWN BY: SBI
CHECKED BY: RJD
DESIGNED BY: JEB

SHEET TITLE:
MECHANICAL
AND
ELECTRICAL
ROOF PLAN

SHEET NUMBER:

ME-101

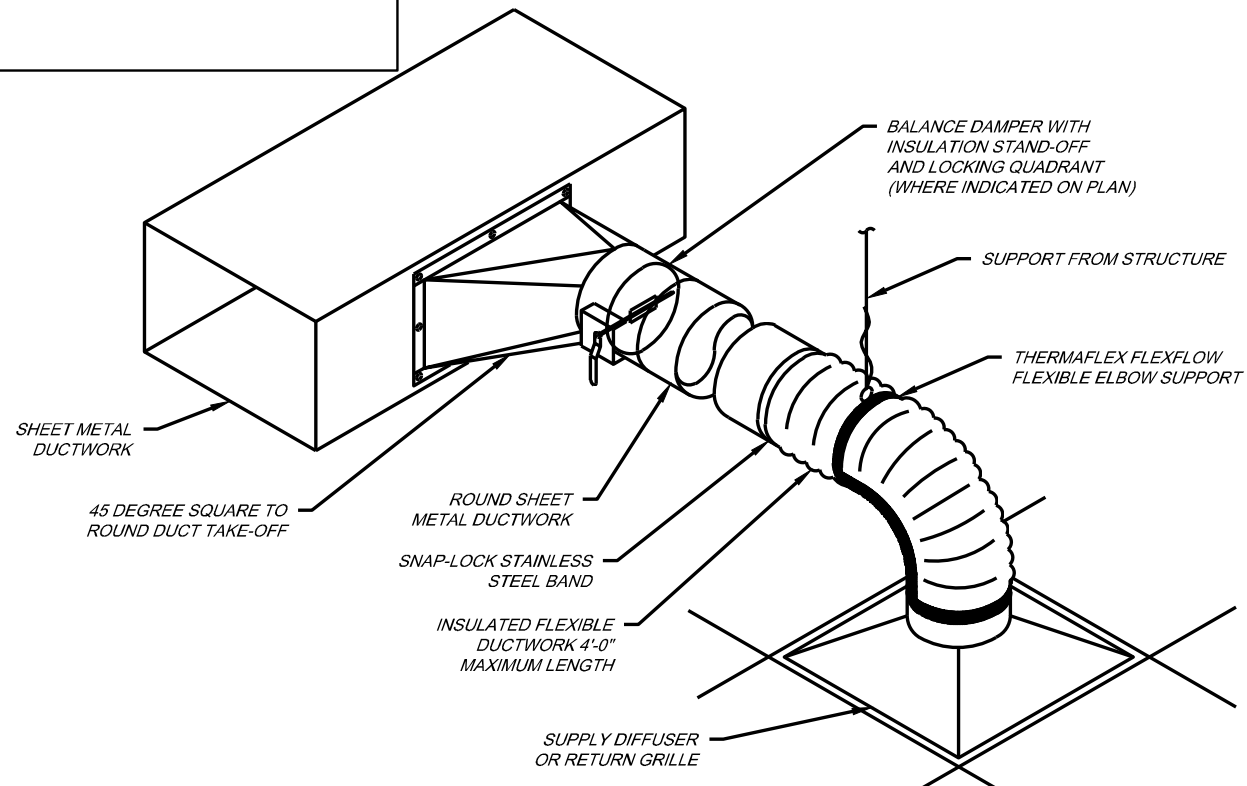
32 OF 41 SHEETS

PROJECT NAME: Wappapello NO (72233-01)
AUTOCAD FILE LOCATION \NAME:
X:\22\22277\2227701\Drawings\04-2227701_M-101.dwg
Wednesday, July 8, 2026 10:56:30 AM
LAST CORRECTION BY: DATE:
CONDREWS Wednesday, July 8, 2026 2:42:55 PM
PLOT BY: DATE:
PRASANTO PATRO

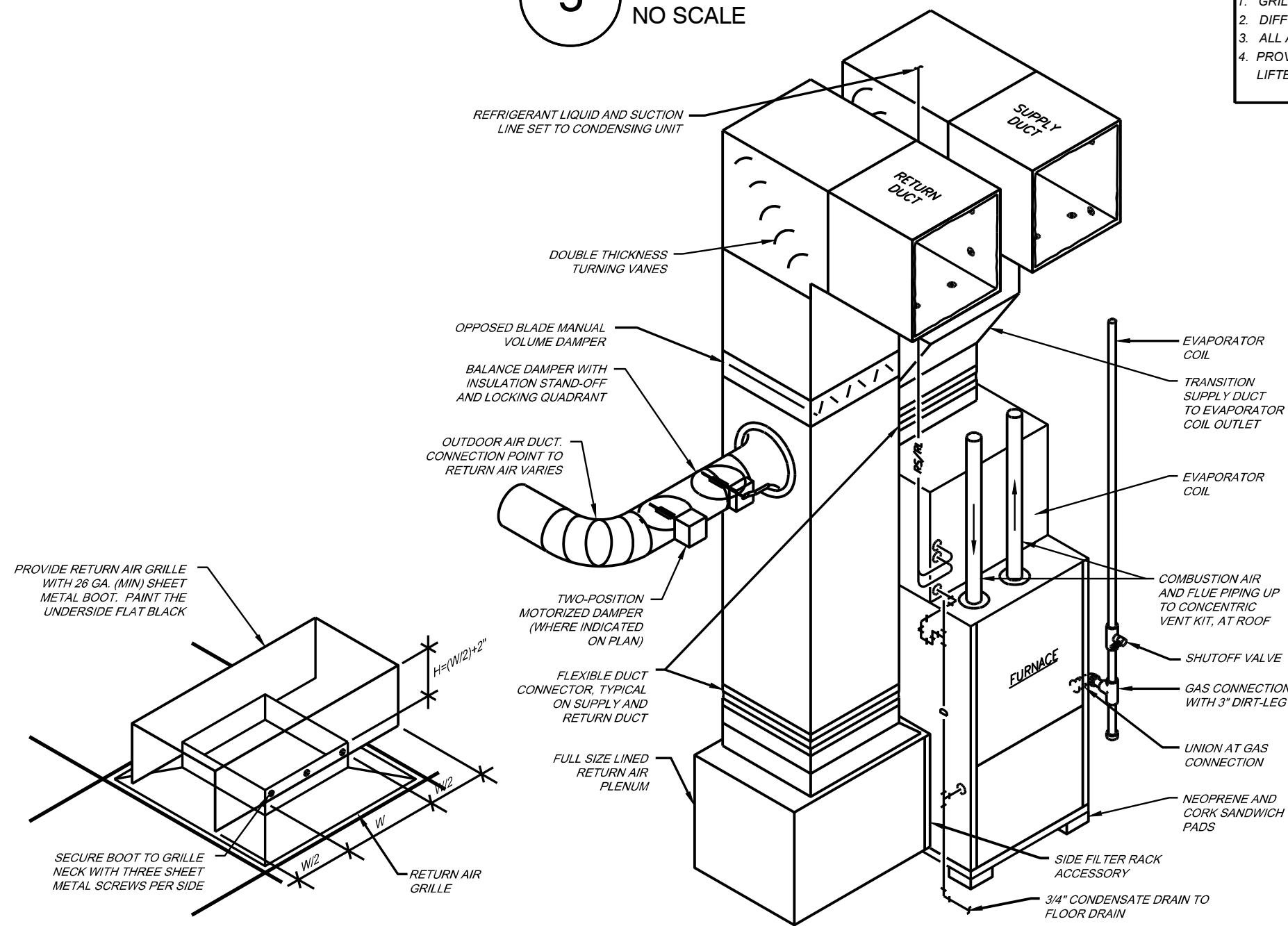
AIR CURTAIN SCHEDULE									
MARK	BASIS OF DESIGN MANUFACTURER	MODEL #	MOUNTING	HEATING (KW/GPM)	AIRFLOW (CFM)	NOZZLE WIDTH	MAX. VELOCITY @ NOZZLE (FPM)	MOTOR(S) HP	VOLTAGE/ PHASE
ACT1	BERNER	SHD07-1036A	WALL	-	1,846	36"	5,917	3/4 HP	120/1
NOTES: 1. PROVIDE FACTORY WALL MOUNTING PLATE. 2. PROVIDE MAGNETIC DOOR SWITCH. 3. WASHABLE FILTER.									
MCA	MOCP	NOTES							
7.5	15	1.2,3							

SPECIAL NOTE:

PROVIDE ALL MECHANICAL CONNECTIONS TO ALL KITCHEN EQUIPMENT. PROVIDE ALL FITTINGS, VALVES AND DRAIN ACCESSORIES AS REQUIRED. VERIFY ALL REQUIREMENTS WITH THE KITCHEN EQUIPMENT SUPPLIER AND THE KITCHEN CONSULTANT.

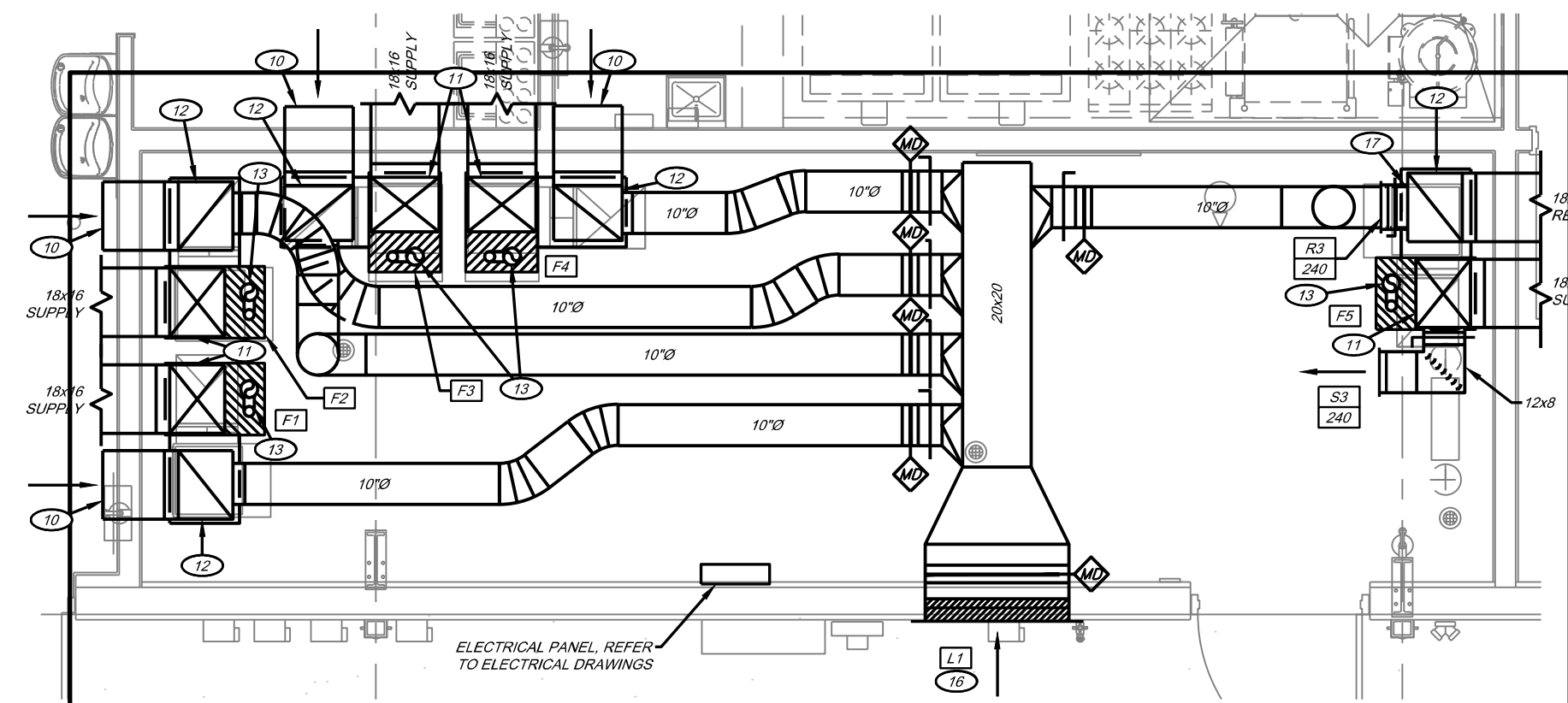


5 DIFFUSER DETAIL
NO SCALE



3 GAS FURNACE DETAIL
NO SCALE

4 RETURN GRILLE DETAIL
NO SCALE



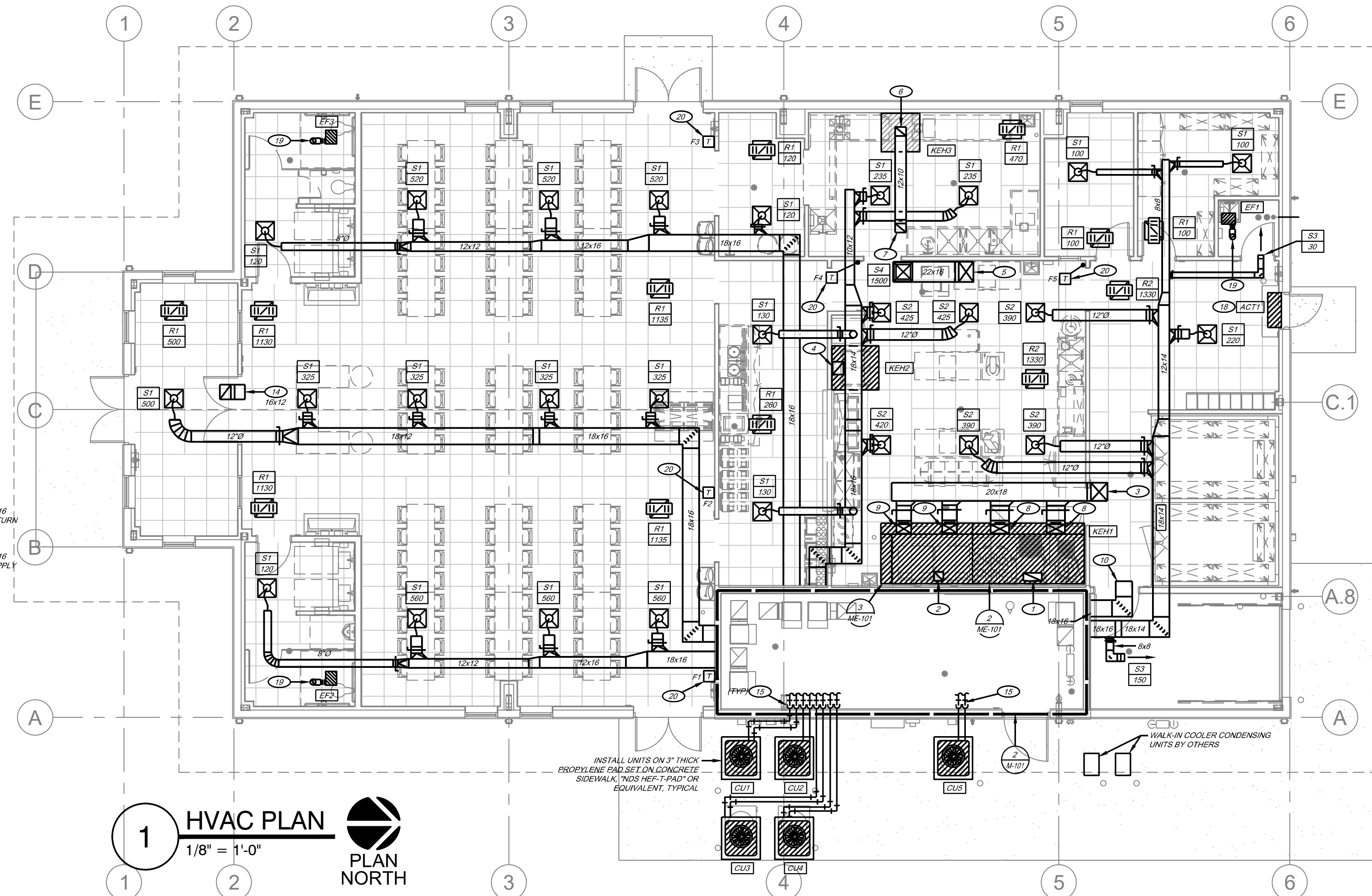
2 ENLARGED MECHANICAL ROOM HVAC PLAN
1/4" = 1'-0"



KITCHEN HOOD SCHEDULE																		
MARK	BASIS OF DESIGN MANUFACTURER	MODEL #	SIZE		HOOD TYPE	COOKING LOAD DUTY RATING	HOOD MATERIAL	EXHAUST SECTION			LIGHTS			FILTERS			HOOD WEIGHT	NOTES
			LENGTH	WIDTH				CFM	RISER SIZE / QTY	P.D. (IN. W.C.)	TYPE	WATTS	QTY.	TYPE	SIZE	QTY.		
KEH1 SECTION 1	ACCUREX	XXEW-122-S	122"	54"	I	HEAVY	300 SS	2,033	9"X20" / 2	0.53"	A19	100	3	SS HIGH EFF. CENTRIFUGAL	16x20	6	390 LBS.	1,2,3,4,5,7,8,9
KEH1 SECTION 2	ACCUREX	XEW-88-S	88"	54"	I	MEDIUM	300 SS	1,063	10"X10" / 2	0.39"	A19	100	3	SS HIGH EFF. CENTRIFUGAL	16x20	3	280 LBS.	1 THRU 10
KEH2	ACCUREX	XXEW-48-S	48"	54"	I	MEDIUM	300 SS	800	8"X9" / 1	0.52"	A19	100	2	SS HIGH EFF. CENTRIFUGAL	16x20	3	160 LBS.	1,2,3,4,5,7,8,9
KEH3	ACCUREX	XD1-42-S	42"	42"	II	0	300 SS	525	11"X13"	0.034"	-	-	-	-	-	-	120 LBS.	1 THRU 5
NOTES: 1. PROVIDE PERFORATED MAKE-UP AIR SUPPLY AND AIR CONDITIONING PLENUMS. 2. PROVIDE FIELD WRAPPER TO CEILING FOR EXPOSED SIDES. 3. PROVIDE 3" STANDOFF WITH 1" LAYER OF FACTORY INSTALLED, UL LISTED FIRE-RATED INSULATION INSIDE OF STANDOFF ON TOP AND BACK OF HOOD. 4. PROVIDE STAINLESS STEEL QUARTER END PANELS AND SIDESPLASHES. 5. PROVIDE HANGING ANGLES. 6. PROVIDE HOOD MOUNTED UTILITY CABINET WITH CONTROLS, MOTOR STARTERS FOR ASSOCIATED EQUIPMENT & PRE-ENGINEERED ANSUL FIRE SUPPRESSION SYSTEM FOR KH1 AND KH2, MOUNTED ON RIGHT SIDE OF KH2. 7. PROVIDE GREASE DRAIN SYSTEM AND GREASE CUP. 8. PROVIDE HOOD MOUNTED FAN AND LIGHT SWITCH, HOODS TO HAVE CONTROL FOR OPERATION INDEPENDENT OF EACH OTHER. 9. PROVIDE STAINLESS STEEL WALL BACKSPLASH.																		

AIR DEVICE SCHEDULE									
MARK	BASIS OF DESIGN MANUFACTURER	MODEL	DUCT CONNECTION SIZE	SERVICE	MODULE SIZE	FRAME	FINISH	DAMPER	MAX. NC
S1	KRUEGER	PLQ	6" 0-100 CFM 8" 105-215 CFM 10" 220-380 CFM 12" 365-510 CFM 14" 515-605 CFM	SUPPLY	24x24	LAY-IN	WHITE	-	30
S2	KRUEGER	5PLQ	6" 0-100 CFM 8" 105-215 CFM 10" 220-380 CFM 12" 365-510 CFM 14" 515-605 CFM	SUPPLY	24x24	LAY-IN	WHITE	-	30
S3	KRUEGER	880H	6x6 0-110 CFM 8x8 115-230 CFM 12x8 235-350 CFM 18x10 355-650 CFM	SUPPLY	-	SURFACE	WHITE	SUPPLY O.B.D.	30
S4	KRUEGER	EG5	24x24 0-1500 CFM	SUPPLY	24x24	LAY-IN	WHITE	-	25
R1	KRUEGER	6490	12x12 0-400 CFM 18x18 405-950 CFM 22x22 955-1500 CFM	RETURN	24x24	LAY-IN	WHITE	-	30
R2	KRUEGER	56490	22x22 955-1500 CFM	RETURN	24x24	LAY-IN	WHITE	-	30
R3	KRUEGER	S80 H	12x8 0-360 CFM	RETURN	-	SURFACE	WHITE	-	25
NOTES: 1. GRILLE/DIFFUSER NECK SHALL BE SAME SIZE AS BRANCH DUCTWORK UNLESS NOTED OTHERWISE ON PLAN. 2. DIFFUSER DISCHARGE AIR PATTERN SHALL BE 4-WAY UNLESS NOTED BY DIRECTION ON PLANS. 3. ALL ALUMINUM CONSTRUCTION. 4. PROVIDE BORDER FOR SURFACE MOUNT INSTALLATION WHEN INSTALLED IN HARD CEILINGS WHICH ALLOWS DIFFUSER/GRILLE TO BE LIFTED UP FOR ABOVE CEILING ACCESS.									

LOUVER SCHEDULE									
MARK	BASIS OF DESIGN MANUFACTURER	MODEL #	SERVICE	CFM	DELTA P (STATIC)	WIDTH X HEIGHT (IN)	DEPTH (IN)	FREE AREA MIN (SQ.FT.)	VELOCITY (FPM)
L1	POTTOFF	EFD-637	INTAKE	1,825	0.04"	30" x 24"	6"	2.5	800
NOTES: 1. BIRD SCREEN. 2. DRAINABLE BLADE. 3. FLANGE FRAME. 4. FACTORY PAINTED BAKED ENAMEL FINISH, DARK BRONZE COLOR, COORDINATE WITH ARCHITECT. 5. PROVIDE 120-VOLT, TWO-POSITION MOTORIZED DAMPER INTERCONNECTED TO TIME CLOCK; DAMPER TO OPEN DURING OCCUPIED HOURS.									



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



FAN SCHEDULE									
MARK	BASIS OF DESIGN MANUFACTURER	MODEL #	CFM	ESP (IN. W.C.)	MOUNTING	FINISH	DAMPER	VOLTAGE/ PHASE	MOTOR HP/WATTS
KEF1	XCLUE-140-VG	XRLUD-140-VG	2,033	1.28	ROOF	"H.T."	-	120/1	1 HP
KEF2	XCLUE-140-VG	XRLUD-140-VG	1,063	1.1"	ROOF	"H.T."	-	120/1	3/4 HP
KEF3	XCLUE-140HP-A	XRLUD-140HP-A	800	1.3"	ROOF	"H.T."	-	120/1	1/2 HP
KEF4	XCLUR-099-A	XRLUD-099-A	525	0.53"	ROOF	STD	-	120/1	1/3 HP
EF1	COOK	GC-148	70	0.25"	CEILING	STD	B.D.D.	120/1	29 W
EF2	COOK	GC-168	160	0.25"	CEILING	STD	B.D.D.	120/1	53.2 W
EF3	COOK	GC-168	160	0.25"	CEILING	STD	B.D.D.	120/1	53.2 W
NOTES & ACCESSORIES: 1. FACTORY MOUNTED DISCONNECTING MEANS. 2. SPEED CONTROLLER. 3. INCLUDE GREASE BOX. 4. ALL ALUMINUM CONSTRUCTION. 5. PITCHED INSULATED ROOF CURB PROVIDED BY P.E.M.B. MANUFACTURER. COORDINATE HEIGHT OF CURB TO MAINTAIN EQUIPMENT AT 14" CLEAR ABOVE FINISHED ROOF SURFACE. 6. INCLUDE HIGH TEMPERATURE PACKAGE, U.L. 762 LISTED WITH DRAIN, ACCESS DOOR AND MOTOR HEAT SHIELD. 7. INCLUDE CURB MOUNTED ROOF CAP ACCESSORY.									

GAS FURNACE/COIL/CONDENSING UNIT SCHEDULE									
FURNACE									
MARK	BASIS OF DESIGN MFR	MODEL #	CFM	OA CFM	DELTA P (STATIC)	INPUT (MBH)	OUTPUT (MBH)	VOLTAGE/ PHASE	MCA
F1	TRANE	S8X2D	1800	425	0.5"	120	98	120/1	14
F2	TRANE	S8X2D	1800	450	0.5"	120	98	120/1	14
F3	TRANE	S8X2D	1800	450	0.5"	120	98	120/1	14
F4	TRANE	S8X2D	1920	250	0.5"	120	98	120/1	14
F5	TRANE	S8X2D	1920	250	0.5"	120	98	120/1	14
NOTES: 1. EXTERNAL STATIC PRESSURE INCLUDES WET COIL, EXCLUDES FILTER LOSS. 2. PROVIDE ACCESSIBLE FILTER RACK AND 2" FILTER EQUAL TO FARR 3030 WITH MERV 7 MINIMUM RATING. 3. PROVIDE DIRECT VENT, CONCENTRIC ROOF TERMINATION KIT.									
COIL / CONDENSING UNIT									
MARK	BASIS OF DESIGN MANUFACTURER	EVAP. COIL MODEL #	COND. UNIT MODEL #	ENTERING AIR DBWB	SENSIBLE MBH	TOTAL MBH	VOLTAGE/ PHASE	SEER2	MCA
CU1	TRANE	5TXC	5TTRT080A1	75.5/62.0	42.7	54.7	240/1	16.5	43
CU2	TRANE	5TXC	5TTRT080A1	75.5/62.0	42.7	54.7	240/1	16.5	43
CU3	TRANE	5TXC	5TTRT080A1	75.5/62.0	42.7	54.7	240/1	16.5	43
CU4	TRANE	5TXC	5TTRT080A1	75.5/62.1	45.7	55.8	240/1	16.5	43
CU5	TRANE	5TXC	5TTRT080A1	75.5/62.1	45.7	55.8	240/1	16.5	43
COIL / CONDENSING UNIT NOTES: 1. PROVIDE REFRIGERANT LINE SET(S) SIZED PER MANUFACTURER'S RECOMMENDATIONS. 2. PROVIDE ALL REFRIGERATION SYSTEM ACCESSORIES REQUIRED BY MANUFACTURER FOR GIVEN LINE SET ROUTING.									

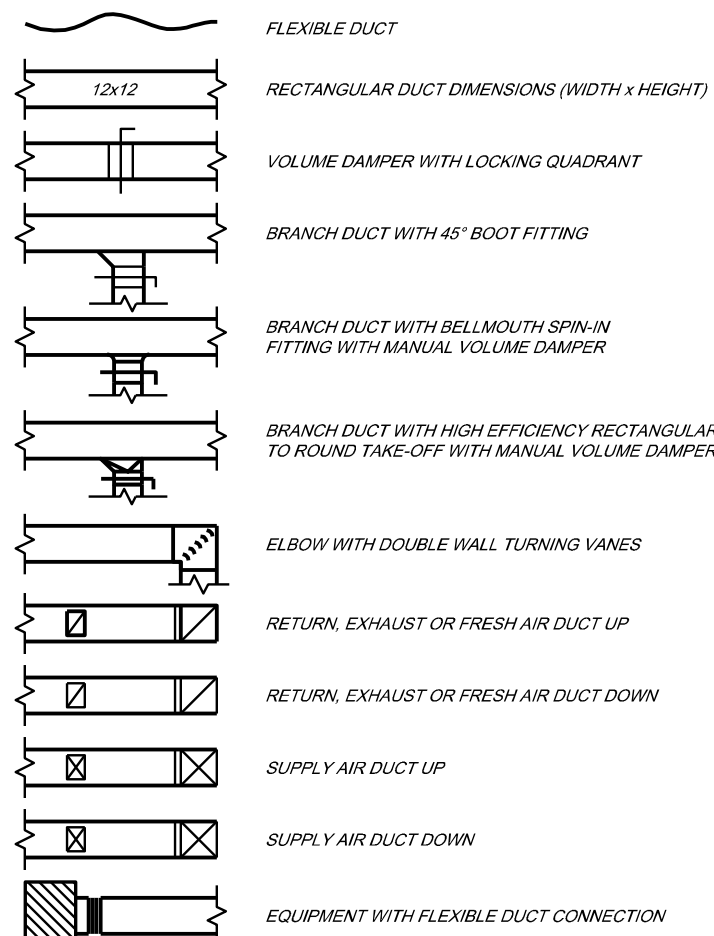
KEYNOTES:

- 20x9 GREASE EXHAUST DUCT CONNECT TO KITCHEN EXHAUST HOOD, ROUTE UP AND TRANSITION TO EXHAUST FAN "KEF1" ON ROOF.
- 18x10 GREASE EXHAUST DUCT CONNECT TO KITCHEN EXHAUST HOOD, ROUTE UP AND TRANSITION TO EXHAUST FAN "KEF2" ON ROOF.
- 20x16 MAKE-UP AIR DUCT UP AND TRANSITION TO MAKE-UP AIR UNIT "MAU1" ON ROOF.
- 18x14 EXHAUST DUCT CONNECT TO EXHAUST HOOD, ROUTE UP AND TRANSITION TO EXHAUST FAN "KEF3" ON ROOF.
- 20x16 SUPPLY DUCT UP AND TRANSITION TO MAKE-UP AIR UNIT ON ROOF.
- 12x10 EXHAUST DUCT DOWN AND CONNECT TO DISHWASHER CONDENSATE HOOD.
- 12x10 EXHAUST DUCT UP AND TRANSITION TO EXHAUST FAN "KEF4" ON ROOF.
- 20x10 SUPPLY DUCT DOWN AND CONNECT TO SUPPLY PLENUM CONNECTION AT KITCHEN EXHAUST HOOD, BALANCE TO 863 CFM EACH.
- 18x10 SUPPLY DUCT DOWN AND CONNECT TO SUPPLY PLENUM CONNECTION AT KITCHEN EXHAUST HOOD, BALANCE TO 586 CFM EACH.
- 18x16 RETURN DUCT OPEN ENDED TO CEILING PLENUM.
- 18x16 SUPPLY DUCT DOWN AND TRANSITION TO FURNACE SUPPLY AIR CONNECTION.
- 18x16 RETURN DUCT DOWN TO RETURN PLENUM OF FURNACE, REFER TO GAS FURNACE DETAIL.
- 2" PVC COMBUSTION AIR AND VENT FROM FURNACE, ROUTE UP TO CONCENTRIC VENT THRU ROOF.
- LINED TRANSFER AIR BOOT IN WALL ABOVE CEILING, REFER TO PLAN FOR SIZE.
- ROUTE REFRIGERANT LINES TO ASSOCIATED EVAPORATOR COIL. SEAL WALL PENETRATION WITH "CAULK".
- REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION OF LOUVER IN WALL.
- LOCATE RETURN AIR DUCT TAKEOFF FOR RETURN GRILLE UP HIGH ABOVE OUTSIDE AIR DUCT CONNECTION, INCLUDE BALANCING DAMPER.
- SECURE AIR CURTAIN TO WALL, JUST ABOVE DOOR, APPROXIMATELY 84" ABOVE FLOOR. INSTALL DOOR SWITCH PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 6" DIAMETER EXHAUST DUCT UP TO CURB MOUNTED ROOF CAP.
- PROVIDE FRAME PIVOT SMART THERMOSTAT.

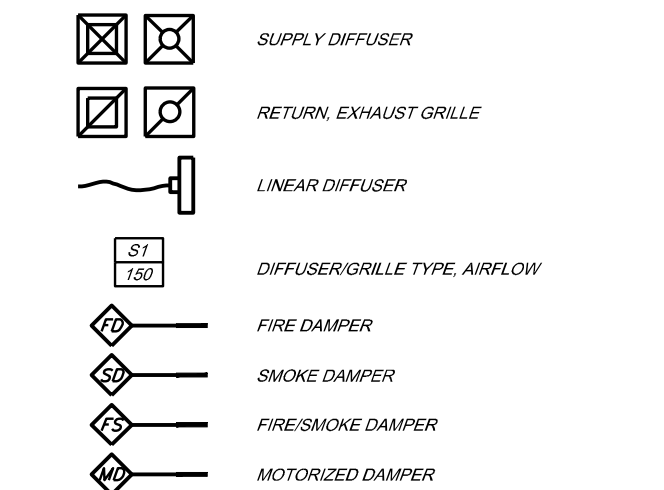
GENERAL HVAC NOTES:

- THE PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- EQUIPMENT AND DUCTWORK LAYOUTS ARE DIAGRAMMATIC. FIELD COORDINATE EXACT LOCATIONS AND ROUTINGS WITH STRUCTURE, PIPING, CONDUITS, LIGHT FIXTURES, ETC. FINAL RESULT SHALL BE EQUIVALENT TO THAT INDICATED ON DRAWINGS.
- COORDINATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCE AND CONFLICTS. BEFORE ANY PIPING, DUCTWORK, CONDUIT, ETC. IS INSTALLED, IT SHALL BE COORDINATED CAREFULLY BETWEEN ALL TRADES.
- CONTRACTOR SHALL FIELD VERIFY EXTENT OF EXISTING CONSTRUCTION.
- MAINTAIN ALL CLEARANCES REQUIRED FOR EQUIPMENT. DO NOT ROUTE PIPING, DUCTWORK, ETC. ABOVE ELECTRICAL PANELS.
- PROVIDE UNISTRUTS AND ACCESSORIES AS REQUIRED FOR SUPPORT OF DUCTWORK, EQUIPMENT, ETC.
- SEAL AROUND ALL RATED WALL PENETRATIONS WITH FIRE STOPPING/CAULKING PER SPECIFICATIONS.
- BRANCH DUCTS SHALL BE THE SAME SIZE AS DIFFUSER NECK UNLESS NOTED OTHERWISE.
- COORDINATE CEILING DIFFUSER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- REFER TO EQUIPMENT SCHEDULES FOR OUTSIDE AIR QUANTITIES TO INDIVIDUAL HVAC UNITS.
- REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

HVAC DUCTWORK:



HVAC EQUIPMENT:

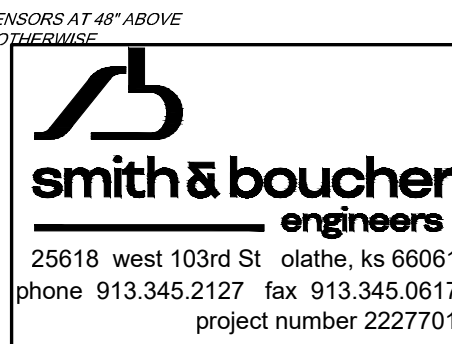


HVAC CONTROLS:

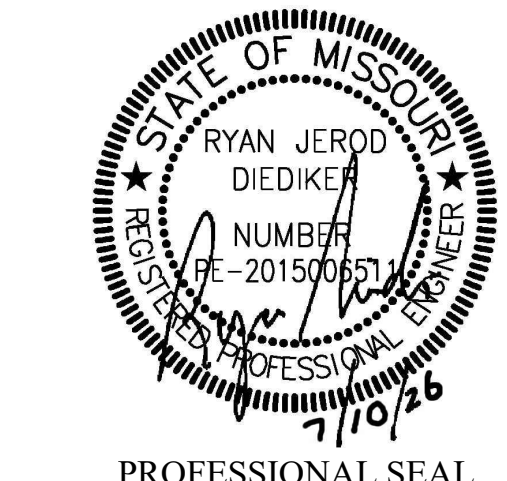
- RTU THERMOSTAT AND EQUIPMENT SERVED
- CO2 SPACE CO2 SENSOR

NOTATION:

- EA EXHAUST AIR
- OA OUTSIDE AIR
- RA RETURN AIR
- SA SUPPLY AIR



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CONSTRUCT NEW
SOLDIER DINING FACILITY

WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT #
SITE #
ASSET #

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: JULY 10, 2026

CAD DWG FILE:
DRAWN BY: SBI
CHECKED BY: RJD
DESIGNED BY: JEB

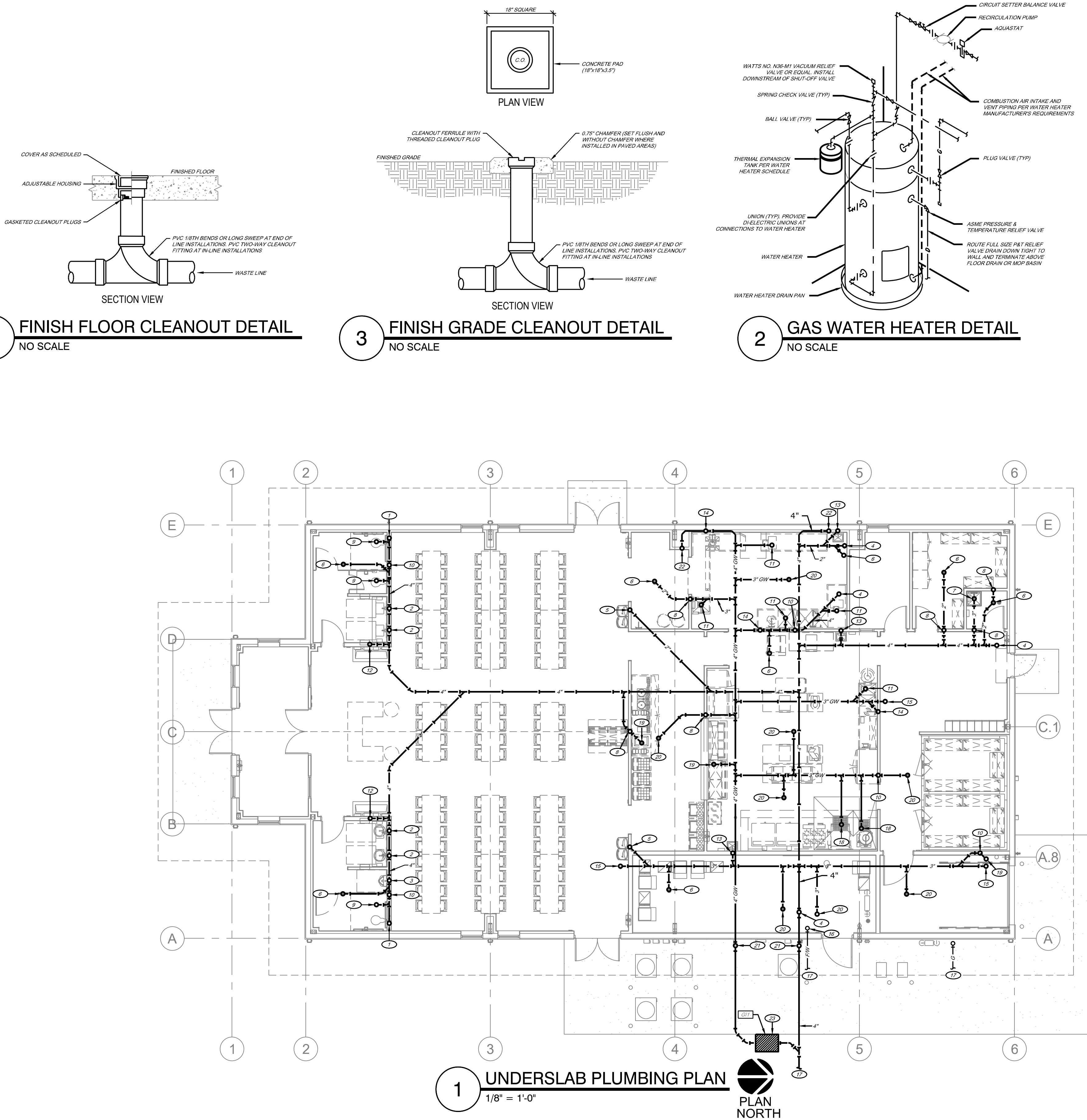
SHEET TITLE:
HVAC PLAN

SHEET NUMBER:

M-101

33 OF 41 SHEETS

PROJECT NAME: New Soldier Dining Facility - Wappapello MO (22233-01)
AUTOCAD FILE LOCATION \NAME: X:\22\22277\2227701\Drawings\04-2227701_P-101.dwg
LAST CORRECTION BY: Wednesday, July 8, 2026 9:34:57 AM
FERRARA
PLOT BY: Wednesday, July 8, 2026 2:43:02 PM
PRASANTA PATRO



KEYNOTES:

- 4" WASTE UP TO FINISH WALL CLEANOUT.
- 2" WASTE UP TO LAVATORY(S)/SINK.
- 2" WASTE UP TO URINAL.
- 4" WASTE UP TO FINISH FLOOR CLEANOUT.
- 2" WASTE UP TO DRINKING FOUNTAIN.
- 2" TRAPPED WASTE UP TO FLOOR DRAIN.
- 3" TRAPPED WASTE UP TO MOP BASIN.
- 1.5" VENT UP.
- 4" WASTE UP TO WATER CLOSET.
- 2" VENT UP.
- 3" TRAPPED WASTE UP TO FLOOR SINK.
- 2" WASTE UP TO HAND WASH STATION.
- 2" WASTE UP TO HAND SINK.
- 3" WASTE UP TO GARBAGE DISPOSAL.
- 3" WASTE UP TO FINISHED FLOOR CLEANOUT.
- COMBINATION WATER/FIRE SERVICE UP.
- REFER TO CIVIL PLANS FOR CONTINUATION.
- 3" TRAPPED WASTE UP TO KETTLE DRAIN.
- 3" TRAPPED WASTE UP TO FUNNEL FLOOR DRAIN.
- 3" TRAPPED WASTE UP TO FLOOR DRAIN.
- 4" WASTE UP TO FINISH GRADE CLEANOUT.
- 4" WASTE UP TO FINISH WALL CLEANOUT.
- GREASE INTERCEPTOR: INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. COORDINATE EXACT LOCATION AND ELEVATION WITH CIVIL AND SITE UTILITIES. PRIOR TO INSTALLATION.

SPECIAL NOTE:

PROVIDE ALL PLUMBING CONNECTIONS TO ALL KITCHEN EQUIPMENT. PROVIDE ALL FITTINGS, VALVES AND DRAIN ACCESSORIES AS REQUIRED. VERIFY ALL REQUIREMENTS WITH THE KITCHEN EQUIPMENT SUPPLIER AND THE KITCHEN CONSULTANT.

PLUMBING GENERAL NOTES:

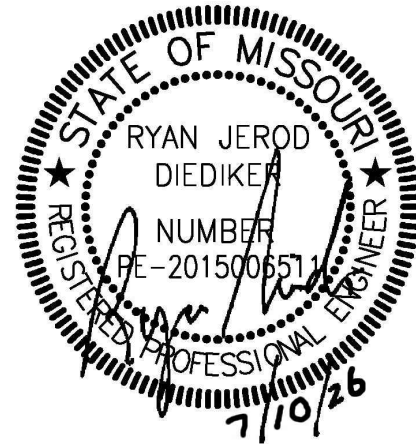
- REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- PIPING LAYOUTS ARE DIAGRAMMATIC. FIELD COORDINATE EXACT LOCATIONS AND ROUTINGS WITH STRUCTURE, DUCTWORK, LIGHT FIXTURES, CONDUITS, ETC.
- COOPERATE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

PLUMBING SYMBOLS:

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

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DEPARTMENT OF
PUBLIC SAFETY
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CONSTRUCT NEW
SOLDIER DINING FACILITY

WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT #
SITE #
ASSET #

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

ISSUE DATE: JULY 10, 2026

CAD DWG FILE:
DRAWN BY: SBI
CHECKED BY: RJD
DESIGNED BY: JEB

SHEET TITLE:
**UNDERSLAB
PLUMBING
PLAN**

SHEET NUMBER:

P-101

34 OF 41 SHEETS

WATER HEATER SCHEDULE									
MARK	BASIS OF DESIGN MANUFACTURER	MODEL #	TYPE	GALLON CAPACITY	RECOVERY GPH @ 100° RISE	INPUT BTU/H	OUTPUT BTU/H	%AFUE	KW VOLTAGE/ PHASE ACCESSORIES
WH1	AO SMITH	BTH-500	PROPANE	119	576	500	475	95%	- 120/1 1,2,3,4,5
<u>ACCESSORIES:</u>					<u>EQUIVALENT MANUFACTURERS:</u>				
1. THERMAL EXPANSION TANK EQUIVALENT TO AMTROL MODEL ST-12.					1. BRADFORD-WHITE				
2. DRAIN VALVE WITH THREADED HOSE CONNECTION.					2. LOCHINVAR				
3. ASME PRESSURE & TEMPERATURE RELIEF VALVE.					3. STATE				
4. INCLUDE CONDENSATE NEUTRALIZATION KIT.									
5. INCLUDE CONCENTRIC VENT KIT.									

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

PLAN NORTH

COORDINATE INSTALLATION WITH UTILITY COMPANY. 1" LP GAS FR. TANKS - 250' MBH APPROX. CONNECTED LOAD. PROVIDE PRESSURE REGULATOR FOR 10' INLET AND 7 1/2" IN. OUTLET. EXTEND 2-1/2" LP GAS INTO BUILDING EQUIPMENT WATER HEATER KITCHEN EQUIPMENT = 760 CFH TOTAL GAS LOAD = 2054 CFH

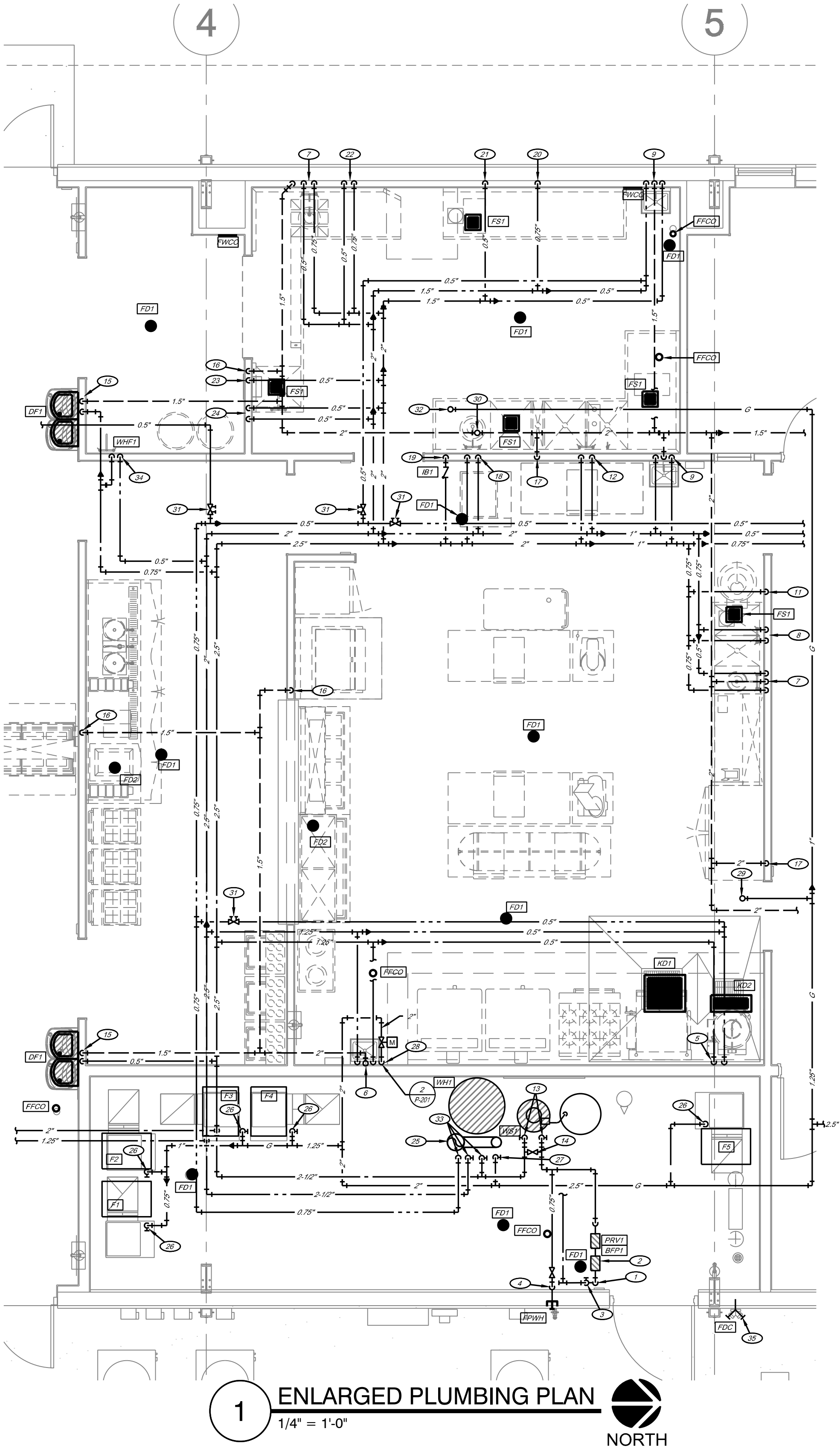
3/4" MINIMUM FROM WALK-IN COOLER CONDENSING UNITS

1. 2" VENT DOWN TO UNDERSLAB.
2. 1.5" VENT DOWN TO UNDERSLAB.
3. 0.5" COLD AND HOT WATER DOWN TO MOP BASIN.
4. 0.75" COLD WATER DOWN TO FREEZE-PROOF WALL HYDRANT. LOCATE HYDRANT AT APPROXIMATELY 24" ABOVE GRADE.
5. 1.25" COLD WATER DOWN TO WATER CLOSET.
6. 1.5" VENT AND 0.75" COLD WATER DOWN TO URINAL.
7. 2" VENT DOWN TO UNDERSLAB, 2" VENT UP TO 3" VENT THRU ROOF.
8. 1.5" VENT, 0.5" COLD AND HOT WATER DOWN TO LAVATORY.
9. 1.5" VENT, 0.75" COLD AND HOT WATER DOWN TO HAND WASH STATION. TEE 0.5" COLD AND HOT WATER IN WATER TO EACH OF THE TWO FAUCETS.

- [illegible]

P-102

PROJECT NAME: New Soldier Dining Facility - Wappapello MO (22233-01)
AUTOCAD FILE LOCATION \ NAME: X:\22\22277\2227701\Drawings\04-2227701_P-201.dwg
LAST CORRECTION BY DATE TIME: Wednesday, July 8, 2026 9:34:53 AM
FERRARA
PLOT BY DATE TIME: Wednesday, July 8, 2026 2:43:16 PM
PRASANTA PATRO

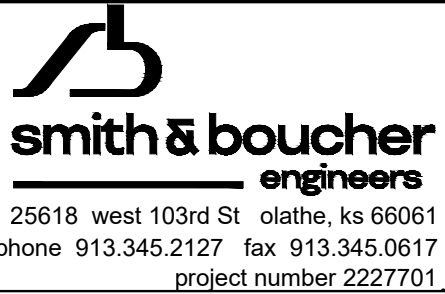


KEYNOTES:

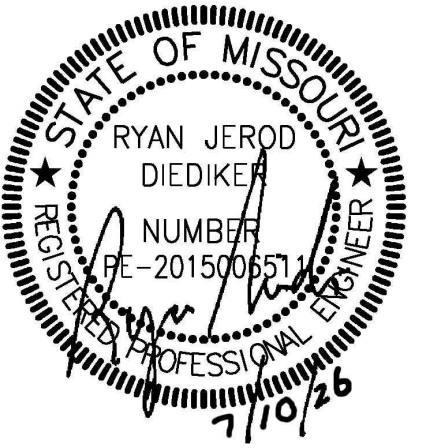
- COMBINATION WATERFIRE SERVICE DOWN TO BELOW SLAB. REFER TO SHEET P-101 FOR CONTINUATION.
- 2-1/2" DOMESTIC WATER SERVICE BRANCH TAKE-OFF FROM COMBINATION WATERFIRE SERVICE. INCLUDE SHUT-OFF VALVE, PRESSURE REDUCING VALVE, AND VERTICAL BACKFLOW PREVENTER. AT BRANCH TAKE-OFF CONSIDER DOMESTIC WATER SERVICE PIPING TO MAINTAIN SPACE FOR INSTALLATION OF A POSSIBLE FUTURE WATER METER.
- FIRE SPRINKLE SERVICE WITH BACKFLOW PREVENTER, SIZING, DETAILING, AND CONTINUATION BY FIRE SPRINKLER CONTRACTOR.
- 0.75" COLD WATER DOWN TO FREEZE-PROOF WALL HYDRANT. LOCATE HYDRANT AT APPROXIMATELY 24" ABOVE GRADE.
- 0.5" COLD AND HOT WATER DOWN TO POT FILLER.
- 1.5" VENT, 0.5" COLD AND HOT WATER DOWN TO HAND SINK. PROVIDE "DURN" #L FUSO-B OR EQUIVALENT THERMOSTATIC MIXING VALVE, SET TO MAXIMUM 120 F. 2" WASTE DOWN TO UNDERSLAB. 2" VENT UP TO 3" VENT THRU ROOF.
- 1.5" VENT, 0.75" COLD WATER AND 0.5" HOT WATER DOWN TO PRE-RINSE SINK. 3" WASTE FOR GARBAGE DISPOSAL DOWN TO UNDERSLAB. CONNECT 0.5" COLD WATER TO SOLENOID VALVE FOR SINK DISPOSAL INLET.
- 0.5" COLD AND HOT WATER DOWN TO VEGETABLE PREPARATION SINK.
- 1.5" VENT, 0.5" COLD AND HOT WATER DOWN TO HAND SINK. PROVIDE "WATTS" #L FUSO-B OR EQUIVALENT THERMOSTATIC MIXING VALVE, SET TO MAXIMUM 120 F. 2" WASTE DOWN TO UNDERSLAB.
- 0.5" COLD WATER AND 0.75" HOT WATER DOWN TO UTENSIL WASHING SINK.
- 0.5" COLD WATER DOWN TO VEGETABLE PEELER. ROUTE WASTE PIPE TO WASTE DISPOSAL.
- 0.5" COLD AND HOT WATER DOWN TO UTENSIL WASHING SINK. ROUTE 0.75" HOT WATER FROM BOOSTER HEATER. ROUTE 2" DRAIN TO FLOOR SINK.
- 2" COLD WATER DOWN TO WATER SOFTENER. PROVIDE SHUT-OFF VALVES AND UNIONS.
- FULL SIZE WATER SOFTENER BYPASS VALVE.
- 1.5" VENT AND 0.5" COLD WATER DOWN TO DRINKING FOUNTAIN. 2" WASTE DOWN TO UNDERSLAB.
- 1.5" VENT DOWN TO UNDERSLAB.
- 2" VENT DOWN TO UNDERSLAB.
- 0.5" COLD WATER AND 0.75" HOT WATER DOWN TO PRE-RINSE FAUCET.
- 0.5" COLD WATER DOWN TO ICE MAKER BOX. INSTALL DUAL CHECK BACKFLOW PREVENTER ABOVE CEILING.
- 0.75" HOT WATER DOWN TO BOOSTER HEATER. PROVIDE ALL ACCESSORIES AND CONNECTIONS AS REQUIRED BY MANUFACTURER FROM BOOSTER HEATER TO DISHWASHER.
- 0.5" COLD WATER DOWN TO DISHWASHER DRAIN TEMPERING VALVE.
- 0.75" COLD AND 0.5" HOT WATER DOWN TO UNDER COUNTER HOSE REEL. ROUTE 0.5" COLD WATER WITH "WATTS" #L FUSO-B OR EQUIVALENT BACKFLOW PREVENTER TO TROUGH INLET.
- 0.5" COLD WATER DOWN TO SOILED DISH TABLE TROUGH INLET. INSTALL DUAL CHECK BACKFLOW PREVENTER IN LINE.
- 0.5" COLD AND HOT WATER DOWN TO SOILED DISH TABLE FAUCET.
- 4" PVC VENT AND 4" PVC COMBUSTION AIR UP TO CONCENTRIC THRU ROOF. TERMINATE AT APPROXIMATELY 18" ABOVE ROOF.
- 0.75" GAS DOWN AND CONNECT TO FURNACE. INCLUDE UNION, DIRT LEG AND SHUTOFF VALVE.
- 1.5" GAS DOWN AND CONNECT TO WATER HEATER. INCLUDE UNION, DIRT LEG AND SHUTOFF VALVE.
- 2" GAS DOWN TO COOKING EQUIPMENT. REFER TO NATURAL GAS ISOMETRIC FOR SIZES TO EACH COOKING APPLIANCE.
- 1" GAS UP TO KITCHEN HOOD MAKEUP AIR UNIT ON ROOF.
- 2" VENT UP TO 3" VENT THRU ROOF.
- CALIBRATED BALANCE VALE. BALANCE TO 1.0 GPM.
- 1" GAS UP TO MAKEUP AIR UNIT ON ROOF.
- 2" COLD AND HOT WATER DOWN AND CONNECT TO WATER HEATER. 0.75" RECIRCULATING HOT WATER DOWN TO PUMP THRU P1.
- 0.5" COLD AND HOT WATER DOWN TO WALL MOUNTED HOSE FAUCET.
- COORDINATE EXACT LOCATION AND SIZE OF FIRE DEPARTMENT CONNECTION WITH LOCAL FIRE PROTECTION REQUIREMENTS.

SPECIAL NOTE:
PROVIDE ALL PLUMBING CONNECTIONS TO ALL KITCHEN EQUIPMENT. PROVIDE ALL FITTINGS, VALVES AND DRAIN ACCESSORIES AS REQUIRED. VERIFY ALL REQUIREMENTS WITH THE KITCHEN EQUIPMENT SUPPLIER AND THE KITCHEN CONSULTANT.

HOT WATER SPECIAL NOTE:
WATER HEATER SHALL BE SET TO SUPPLY 140°F HOT WATER TO THE DOMESTIC HOT WATER PIPING SYSTEM. REFER TO PLAN TO PROVIDE THERMOSTATIC MIXING VALVES AT ALL HAND WASHING SINKS AND LAVATORIES.



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461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT #
SITE #
ASSET #

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

ISSUE DATE: JULY 10, 2026

CAD DWG FILE: _____
DRAWN BY: SBI
CHECKED BY: RJD
DESIGNED BY: JEB

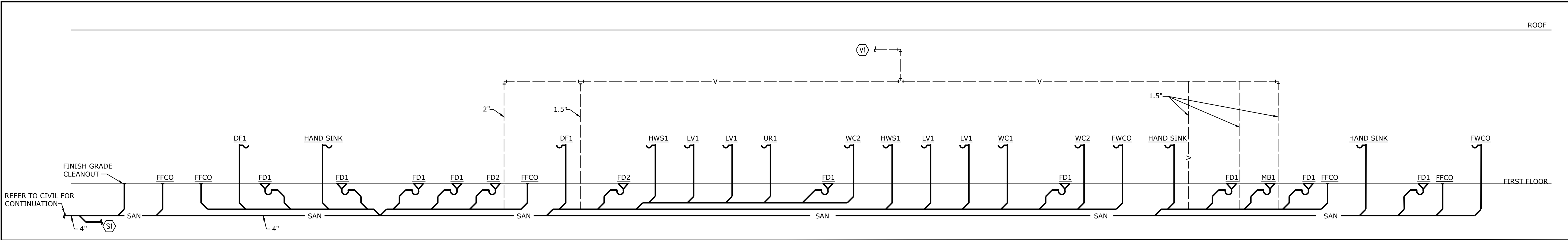
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ENLARGED
PLUMBING
PLAN &
DETAILS

SHEET NUMBER:

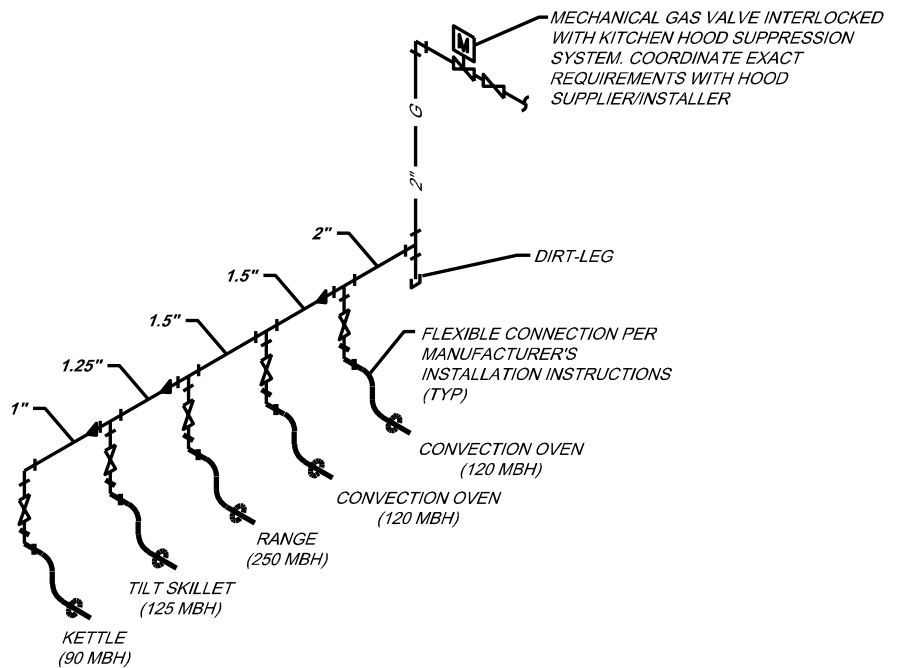
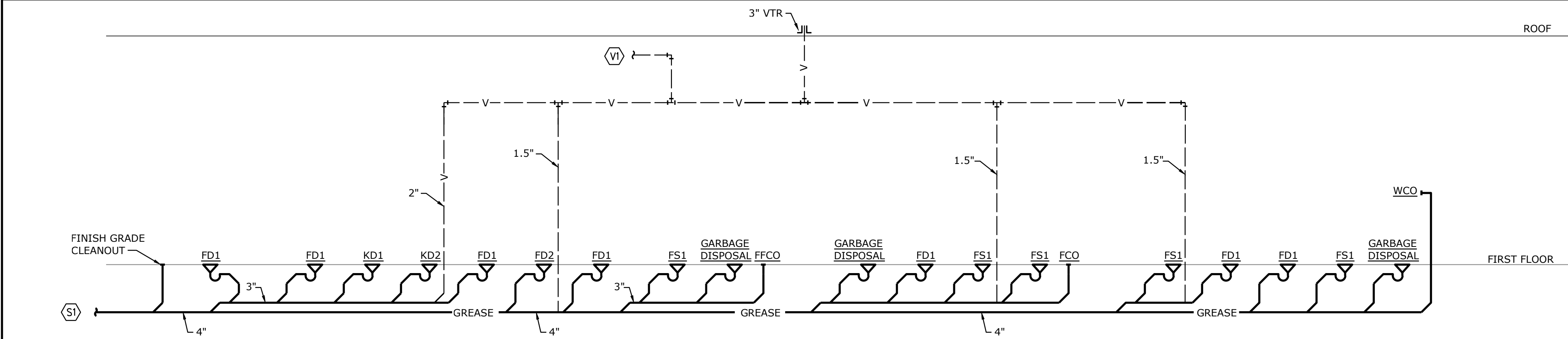
P-201

36 OF 41 SHEETS

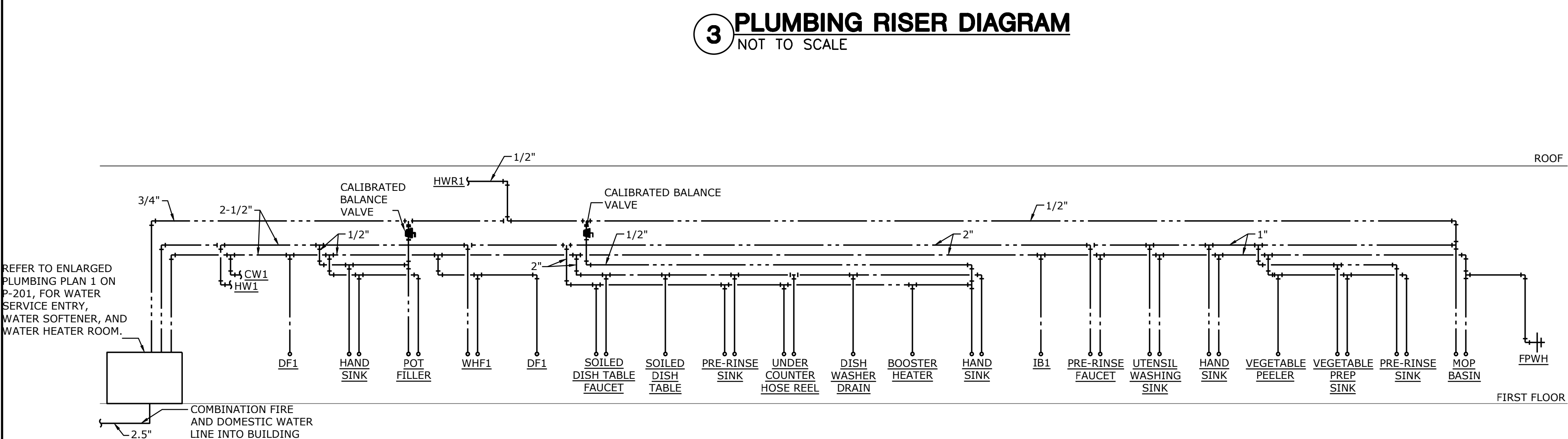
PROJECT NAME: New Soldier Dining Facility - Wappapello MO (72233-01)
AUTOCAD FILE LOCATION \ NAME: X:\22\22277\2227701\Drawings\04-2227701_P-202.dwg
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PLOTED BY DATE TIME: Prasanta Patro Wednesday, July 8, 2026 2:43:22 PM



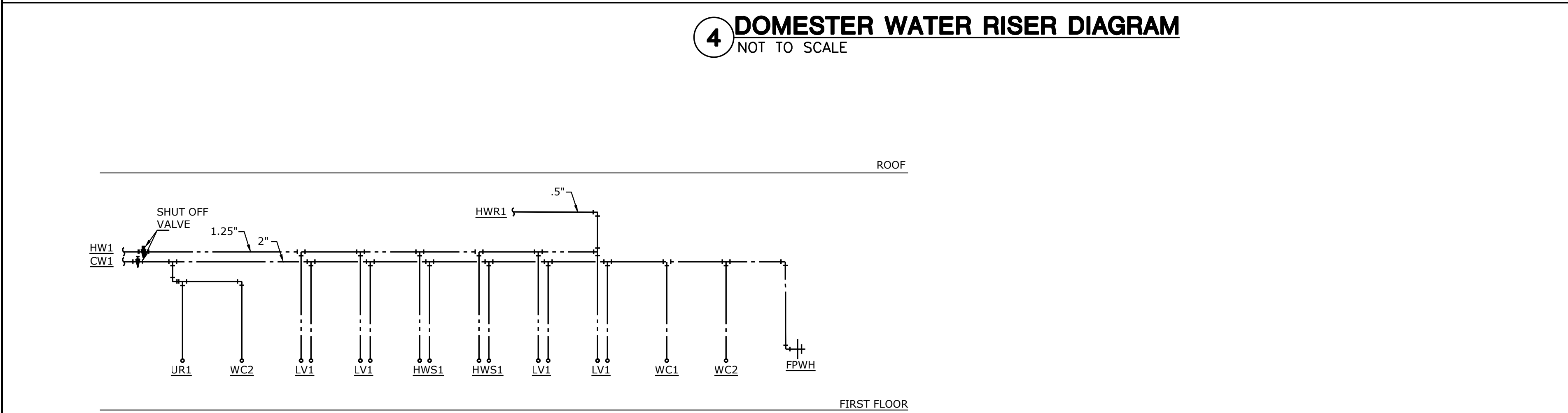
1 PLUMBING RISER DIAGRAM
NOT TO SCALE



2 NATURAL GAS ISOMETRIC
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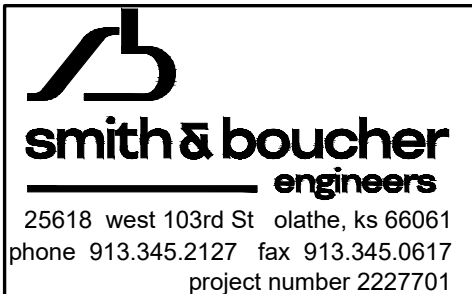


3 PLUMBING RISER DIAGRAM
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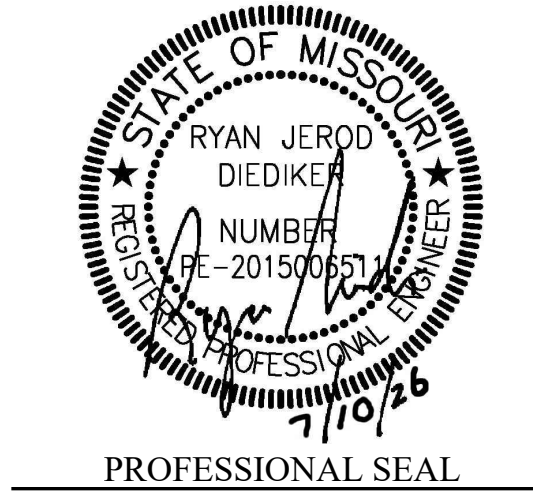


4 DOMESTER WATER RISER DIAGRAM
NOT TO SCALE

5 DOMESTER WATER RISER DIAGRAM
NOT TO SCALE



STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



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OFFICE OF ADMINISTRATION
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DEPARTMENT OF
PUBLIC SAFETY
MISSOURI ARMY
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CONSTRUCT NEW
SOLDIER DINING FACILITY

WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT #
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DRAWN BY: SBI
CHECKED BY: RJD
DESIGNED BY: JEB

SHEET TITLE:
**PLUMBING
RISER
DIAGRAMS**

SHEET NUMBER:

P-202

37 OF 41 SHEETS

PROJECT NAME: New Soldier Dining Facility - Wappapello MO (22233-01)
AUTOCAD FILE LOCATION \ NAME: X:\22\22277\2227701\Drawings\06-2227701_E-101.dwg
LAST CORRECTION BY DATE TIME: Tuesday, November 7, 2023 10:41:50 AM
Kmcovey
PLOTED BY DATE TIME: Wednesday, July 8, 2026 2:43:28 PM
Prasanto Patro

PROJECT NAME: New Soldier Dining Facility - Wappapello MO (22233-01)
AUTOCAD FILE LOCATION \ NAME: X:\22\22277\2227701\Drawings\06-2227701_E-101.dwg
LAST CORRECTION BY DATE TIME: Tuesday, November 7, 2023 10:41:50 AM
Kmcovey
PLOTED BY DATE TIME: Wednesday, July 8, 2026 2:43:28 PM
Prasanto Patro

LIGHTING CONTROL DEVICE SCHEDULE					
SYMBOL	DESCRIPTION	DETECTION TYPE	SETTINGS (TYPICAL)	MANUFACTURER/MODEL	NOTES
\$VS	WALL MOUNTED SWITCH/VACANCY SENSOR LINE VOLTAGE - SINGLE RELAY	DUAL TECHNOLOGY	ON: MANUAL OFF: 15 MINUTE DELAY	WATTSTOPPER LMDW-101-ENG1	1,2
\$VD	WALL MOUNTED SWITCH/VACANCY SENSOR LOW VOLTAGE - SINGLE RELAY - WITH 0-10V DIMMING	DUAL TECHNOLOGY	ON: MANUAL OFF: 15 MINUTE DELAY	WATTSTOPPER LMDW-102-ENG2	1,2
\$LS#	ON/OFF SWITCH # INDICATES QUANTITY OF ZONES CONTROLLED AT EACH LOCATION	-	-	WATTSTOPPER LMSW-101-ENG1	1
	CEILING MOUNTED LIGHTING SYSTEM OCCUPANCY SENSOR	DUAL TECHNOLOGY	ON: AUTOMATIC OFF: 15 MINUTE DELAY	WATTSTOPPER LMDC-100	1,3,4
	CEILING MOUNTED LIGHTING SYSTEM VACANCY SENSOR	DUAL TECHNOLOGY	ON: MANUAL OFF: 15 MINUTE DELAY	WATTSTOPPER LMDC-100	1,3,4

NOTE 1: THE MANUFACTURERS AND MODELS LISTED ARE THE BASIS OF DESIGN, ALL PRODUCT SUBSTITUTIONS SUBMITTED MUST BE APPROVED AS EQUAL. REFER TO DRAWINGS FOR QUANTITIES.
NOTE 2: ALL WALL MOUNTED LIGHTING CONTROLS MUST HAVE MATCHING FINISHES TO THOSE LISTED IN SPECIFICATION SECTION 262726 - WIRING DEVICES.
NOTE 3: OCCUPANCY SENSOR LOCATIONS SHOWN ON FLOOR PLANS ARE GENERIC, CONTRACTOR TO MODIFY LOCATIONS AS REQUIRED BASED COVERAGE CAPABILITIES OF SUBMITTED PRODUCTS.
NOTE 4: MODIFY LOCATIONS OF CEILING MOUNTED OCCUPANCY SENSORS AS REQUIRED SO THAT NO OCCUPANCY SENSOR IS WITHIN 4'-0" OF AN HVAC SUPPLY DIFFUSER.

LIGHTING FIXTURE SCHEDULE										
MARK	BASIS OF DESIGN MANUFACTURER	MODEL #	FINISH	MOUNTING	LAMPS		FIXTURE QTY: WATTS	VOLTAGE	APPROVED MANUFACTURERS	NOTES
					TYPE	CODE				
T1	WILLIAMS	LT-24-L52/835-AF-DIM-120	WHITE	RECESSED	LED	WITH FIXTURE	- 40	120	LITHONIA, COOPER IND.	7
T1E	WILLIAMS	LT-24-L52/835-AF-EM/10W-DIM-120	WHITE	RECESSED	LED	WITH FIXTURE	- 40	120	LITHONIA, COOPER IND.	3,7
S1	WILLIAMS	75R-8-L100/840-DRV-120	WHITE	SUSPENDED	LED	WITH FIXTURE	- 73	120	LITHONIA, HUBBELL	-
S2	WILLIAMS	75R-4-L30/840-DRV-120	WHITE	SUSPENDED	LED	WITH FIXTURE	- 25	120	LITHONIA, HUBBELL	-
W1E	WILLIAMS	WPCS-L44/840-B2-EM/6W-DIM-UNV	DARK BRONZE	WALL	LED	WITH FIXTURE	- 45	120	LITHONIA, COOPER IND.	1,2,3,5
X1	WILLIAMS	EXIT/EM/LED-R-WHT-D	WHITE	SURFACE	LED	WITH FIXTURE	- 5	120	LITHONIA, COOPER IND.	3,6
XE	WILLIAMS	EMER/LED-WHT-DRHL	WHITE	SURFACE	LED	WITH FIXTURE	- 5	120	LITHONIA, COOPER IND.	3,6
NOTES: 1. FIXTURE SHALL BE LISTED FOR OUTDOOR USE AND SHALL BE UL LISTED FOR DAMP AND WET LOCATIONS AS REQUIRED. 2. FIXTURE LAMP AND BALLAST SHALL BE CAPABLE OF OPERATING DOWN TO 0 DEGREES F AND UP TO 110 DEGREES F. 3. PROVIDE FIXTURE WITH EMERGENCY BATTERY BACK-UP FOR MINIMUM 90 MINUTES OPERATION. 4. PROVIDE 2" STRAIGHT STEEL POLE AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION. 5. VERIFY FINISH WITH ARCHITECT. 6. REFER TO PLANS AND COORDINATE WITH OWNER/ARCHITECT FOR MOUNTING TYPE, FACE ORIENTATION, AND CHEVRON DIRECTION AS APPLICABLE. 7. PROVIDE CLIPS OR MEAN OF SUPPORT AS REQUIRED TO COMPLY WITH N.E.C. GENERAL NOTES APPLY TO ALL LIGHT FIXTURES: 1. SUBMIT ALL REQUESTS FOR EQUIVALENCY TO ARCHITECT/ENGINEER A MINIMUM OF (30) WORKING DAYS PRIOR TO BID DATE. REQUESTS ARE SUBJECT TO APPROVAL BY ARCHITECT/ENGINEER BASED ON PERFORMANCE AND AESTHETICS.										

KEYNOTES:

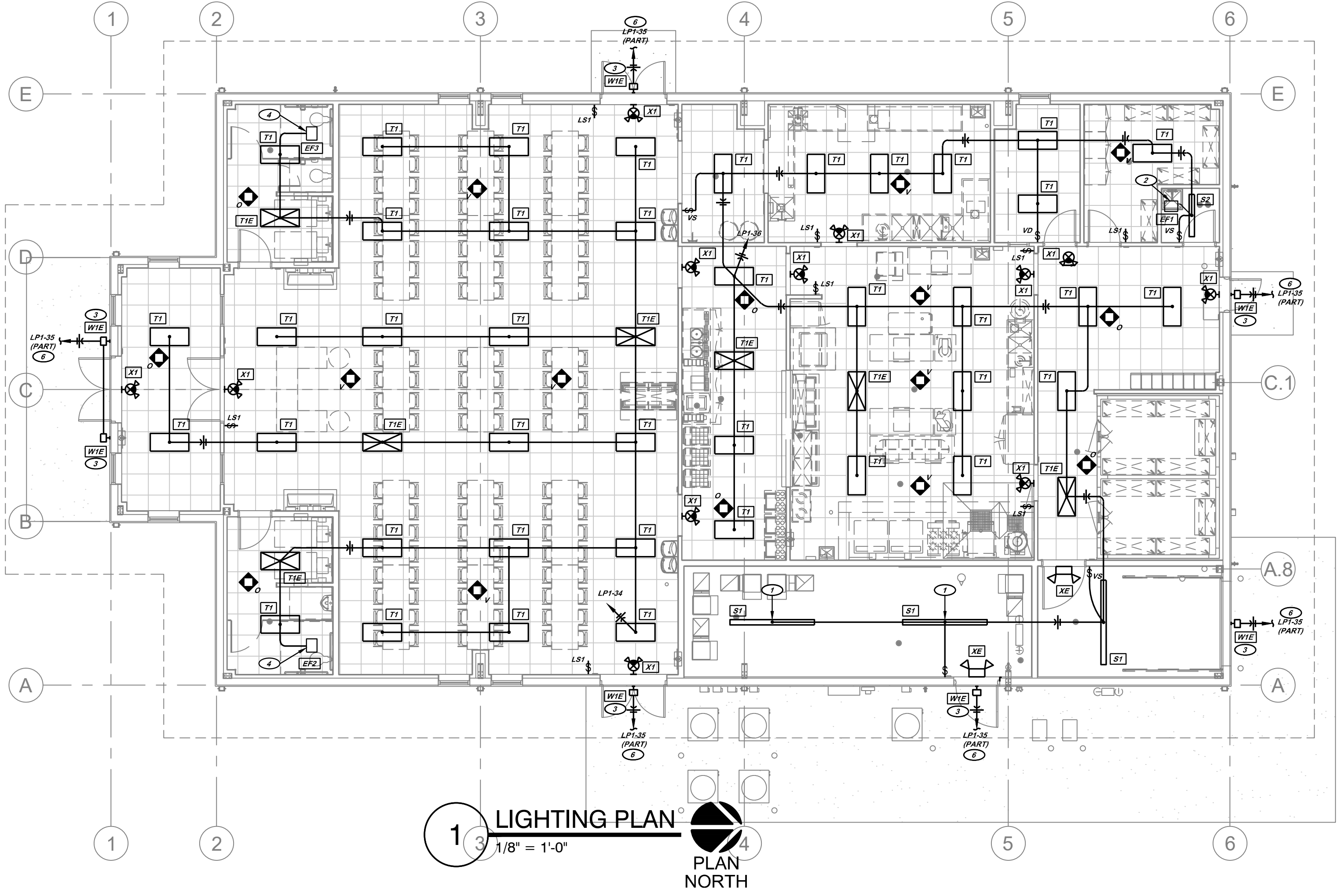
- FIELD COORDINATE EXACT LOCATION AND MOUNTING OF LIGHTING FIXTURE TO AVOID CONFLICT WITH DUCTWORK IN MECHANICAL ROOM.
- FAN SHALL BE WIRED TO OPERATE CONTINUOUSLY.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF WALL PACKS WYE.
- CONNECT TO EXHAUST FAN IN THE SPACE. EXHAUST FAN TO BE SWITCHED WITH LIGHTING IN SPACE. REFER TO MECHANICAL PLANS AND SCHEDULES FOR ADDITIONAL INFORMATION.
- ASTRONOMICAL, DIGITAL, 24/7 TIME CLOCK. PROVIDE A TIME CLOCK WITH 4 CONTACTS RATED FOR 80A AT 120V. WIRE PHOTOCELL IN SERIES WITH TIME CLOCK.
- ROUTE CIRCUIT THROUGH TIME CLOCK LOCATED NEXT TO PANEL MOP.

GENERAL ELECTRICAL NOTES:

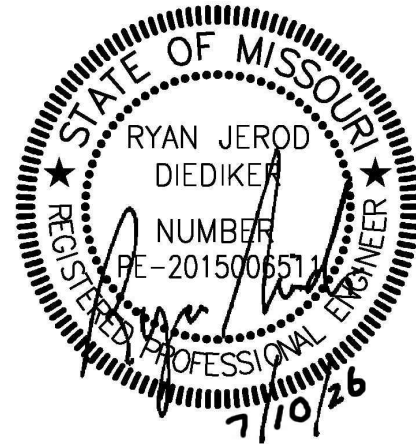
- GENERAL NOTES AND DETAILS ON THIS SHEET APPLY TO ALL ELECTRICAL SHEETS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- THE PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR DIMENSIONS. FIELD VERIFY DIMENSIONS.
- THE CONTRACTOR SHALL SCHEDULE AND EXECUTE THE WORK WITH REGARD TO THE OWNER'S USE OF EXISTING PORTIONS OF PROPERTY.
- COOPERATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCES AND CONFLICTS. COORDINATE LOCATIONS OF CONDUITS, RACEWAYS, SUPPORTS, ETC. WITH ALL TRADES PRIOR TO ROUGH-IN. YIELD RIGHT OF WAY TO SYSTEMS REQUIRED TO BE INSTALLED AT A SLOPE.
- COORDINATE REQUIRED CLEARANCES ABOUT AND ABOVE ELECTRICAL EQUIPMENT WITH PLUMBING, HVAC AND OTHER TRADES TO KEEP DUCTWORK, PIPING, ETC. FROM BEING INSTALLED ABOVE ELECTRICAL EQUIPMENT.
- COORDINATE LIGHT FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE LOCATIONS OF WALL MOUNTED LIGHT FIXTURES WITH ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.
- COORDINATE WALL MOUNTED SWITCH, RECEPTACLE, TELEPHONE, DATA, AND OTHER ELECTRICAL SYSTEM DEVICE LOCATIONS WITH ARCHITECTURAL INTERIOR AND MILLWORK ELEVATION DRAWINGS PRIOR TO ROUGH-IN.
- THERMOSTATS, SENSORS, DAMPERS AND HVAC EQUIPMENT CONTROL WIRING SHALL BE FURNISHED BY HVAC CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE NECESSARY CONDUIT AND BOXES FOR THE INSTALLATION OF DEVICES AND CABLING.
- WHERE SHOWN ADJACENT TO LIGHT SWITCHES, JUNCTION BOXES FOR SENSORS, ETC. SHALL BE INSTALLED TO ALLOW 3"-6" BETWEEN EDGE OF SENSOR AND SWITCH COVERPLATE. WHERE SHOWN NOT ADJACENT TO LIGHT SWITCHES, JUNCTION BOXES FOR SENSORS, ETC. SHALL BE LOCATED WITHIN 12" OF NEAREST INSIDE OR OUTSIDE CORNER, NOT IN CENTER SECTION OF WALLS. ALL LOCATIONS SHALL BE SUBJECT TO APPROVAL BY ARCHITECT, ENGINEER, AND/OR OWNER.
- INSTALL RECEPTACLES ADJACENT TO PHONE, DATA, TV, ETC. OUTLETS WHERE SHOWN IN SAME LOCATION.
- ALL BRANCH CIRCUITS AND FEEDERS SHALL BE INSTALLED WITH AN EQUIPMENT GROUNDING CONDUCTOR.
- CIRCUIT ALL EMERGENCY FIXTURES, EMERGENCY LIGHTING CONTROL UNITS, AND EXIT SIGNS TO A LOCAL (ROOM) UNSWITCHED HOT CONDUCTOR.

LIGHTING SYMBOLS:

- EXIT LIGHT; WALL MOUNTED / CEILING MOUNTED
- EMERGENCY LIGHT
- EXTREMEGENCY LIGHT
- LED LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- EMERGENCY LIGHT FIXTURE
- LIGHTING & POWER PANELBOARD
- CONDUIT CONCEALED IN CEILING OR WALL
- CONDUIT BELOW GRADE
- HOME RUN; TICK MARKS INDICATE NUMBER OF WIRES, ARROWS INDICATE NUMBER OF CIRCUITS
- GROUND WIRE
- FEEDER PER SCHEDULE



STATE OF MISSOURI
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DESIGNED BY: JEB

SHEET TITLE:
LIGHTING PLAN

SHEET NUMBER:

E-101

38 OF 41 SHEETS

smith & boucher
engineers
25618 west 103rd St. olathe, ks 66061
phone 913.345.2127 fax 913.345.0617
project number 2227701

KEYNOTES:

- ① ROUTE 6" 1/2" CONDUIT BELOW SLAB FOR DATA CABLING TO FLOOR BOX.
- ② LOW-VOLTAGE PATCH PANEL AND ENCLOSURE INSTALLED ON PHONE BOARD.
- ③ 2" COMMUNICATIONS CONDUIT STUBBED UP TO PHONE BOARD.
- ④ REFER TO CIVIL PLANS FOR CONTINUATION.
- ⑤ WIRE PUMP THROUGH AQUASAT AND TIMER KIT. COORDINATE REQUIREMENTS WITH PLUMBING CONTRACTOR.
- ⑥ INSTALL RECEPTACLES CONCEALED BEHIND DRINKING FOUNTAIN ENCLOSURE PER MANUFACTURER'S INSTRUCTIONS.
- ⑦ PROVIDE PENDANT CORD WITH RECEPTACLE SUSPENDED FROM CEILING.
- ⑧ PROVIDE POWER FOR OWNER FURNISHED CONTRACTOR INSTALLED WALL CLOCK. INSTALL AT 8'-0" AFF.
- ⑨ ROUND-IN FOR REMOTE LCD PANEL PROVIDED WITH EXHAUST HOOD CONTROL PANEL. REFER TO KITCHEN PLANS FOR ADDITIONAL INFORMATION.
- ⑩ ROUND-IN FOR REMOTE PULL SWITCH FOR EXHAUST HOOD. REFER TO KITCHEN DRAWINGS FOR ADDITIONAL INFORMATION.
- ⑪ ASTRONOMICAL DIGITAL 247 TIME CLOCK PROVIDE A TIME CLOCK WITH 4 CATCHES RATE FOR 20A AT 120V. WIRE CONNECTION IN SERIES WITH TIME CLOCK.
- ⑫ MANUAL TRANSFER SWITCH (MTS) FOR PHOTOCELL OF A PORTABLE GENSET.

CONDUIT & CONDUCTOR SCHEDULE:

- ① (2) #3 AND (1) #8 GROUND IN 1" CONDUIT
- ② (2) #2 AND (1) #8 GROUND IN 1" CONDUIT
- ③ (2) #6 AND (1) #10 GROUND IN 0.75" CONDUIT
- ④ (2) #10 AND (1) #10 GROUND IN 0.5" CONDUIT

ELECTRICAL SYMBOLS:

- 
 SIMPLEX RECEPTACLE: 2P, 3W, 15A OR 20A, 125V
 SIMPLEX RECEPTACLE; NEMA CONFIGURATION AS INDICATED
 14-30

 DUPLEX RECEPTACLE: 2P, 3W, 15A OR 20A, 125V
 DUPLEX RECEPTACLE; MOUNTED @ 42" ABOVE FINISHED FLOOR

 DUPLEX RECEPTACLE; MOUNTED 6" ABOVE COUNTERTOP BACKSPLASH

 DUPLEX RECEPTACLE; INSTALLED FLUSH WITH CEILING

 DUPLEX RECEPTACLE W GROUND FULST INTERRUPTER

 DUPLEX RECEPTACLE; WEATHERPROOF
 DOUBLE DUPLEX RECEPTACLE WITH COMMON FACEPLATE

 DUPLEX RECEPTACLE MOUNTED IN FLUSH FLOOR BOX. REFER TO SPECIFICATIONS

 COMBINATION VOICE & DATA TELECOMMUNICATIONS OUTLET: ROUGH-IN JUNCTION BOX OR PLASTER RING, (1) CAT5 VOICE CABLE & (1) CAT5 DATA CABLE ROUTED TO PATCH PANEL, COVER PLATE & JACK

 DATA TELECOMMUNICATIONS OUTLET INSTALLED FLUSH WITH CEILING; ROUGH-IN JUNCTION BOX OR PLASTER RING, (1) CAT5 DATA CABLE ROUTED TO PATCH PANEL, COVER PLATE & JACK

 CABLE TV OUTLET: ROUGH-IN JUNCTION BOX OR PLASTER RING ONLY; CABLE, COVER PLATE & JACKS PROVIDED BY OTHERS.

 JUNCTION BOX

 LIGHTING & POWER PANELBOARD

 CONDUIT CONCEALED IN CEILING OR WALL

 CONDUIT BELOW GRADE

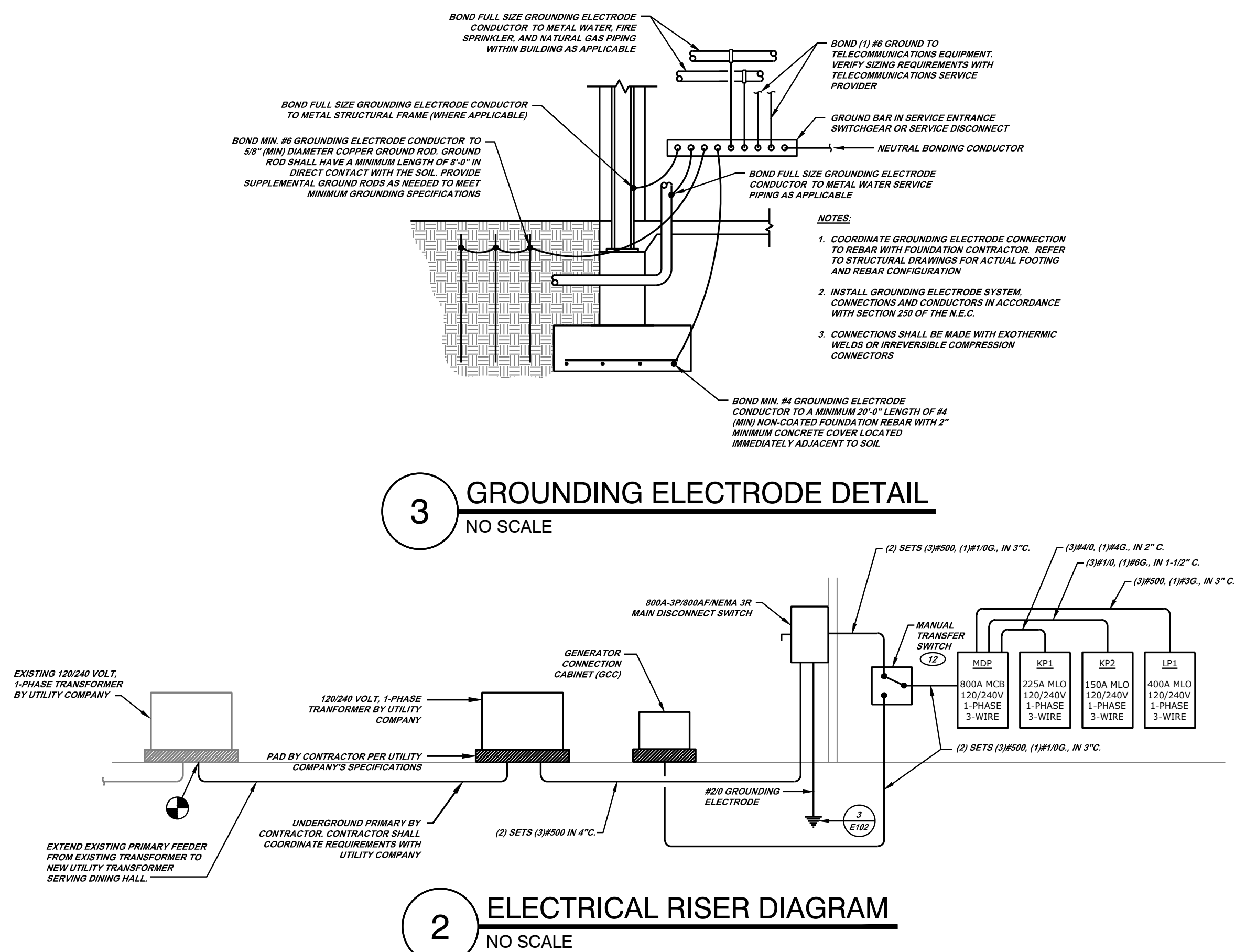
 HOME RUN: TICK MARKS INDICATE NUMBER OF WIRES, ARROWS INDICATE NUMBER OF CIRCUITS

 GROUND WIRE

 FEEDER PER SCHEDULE

 DISCONNECT SWITCH

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

$$1/8'' = 1'-0'''$$


DISCONNECT SWITCH SCHEDULE												
MARK	LOAD		SWITCH			OVERCURRENT PROTECTION					NEMA ENCLOSURE	NOTES & ACCESS
	EQUIPMENT SERVED	VOLTAGE	DUTY	AMP	POLE	TYPE	MFR	MODEL	AMP	KAIC		
DS1	CONDENSING UNIT - CU1	240	GD	60	1	NF	--	--	--	--	3R	1
DS2	CONDENSING UNIT - CU2	240	GD	60	1	NF	--	--	--	--	3R	1
DS3	CONDENSING UNIT - CU3	240	GD	60	1	NF	--	--	--	--	3R	1
DS4	CONDENSING UNIT - CU4	240	GD	60	1	NF	--	--	--	--	3R	1
DS5	CONDENSING UNIT - CU5	240	GD	60	1	NF	--	--	--	--	3R	1
DS6	REFRIGERATOR CONDENSING UNIT	240	GD	30	1	NF	--	--	--	--	3R	1
DS7	REFRIGERATOR CONDENSING UNIT	240	GD	30	1	NF	--	--	--	--	3R	1

ACCESSORIES:

- GROUND LUG KIT
- SOLID GENERAL DUTY
- SERVICE ENTRANCE RATING
- DISCONNECT SHALL BE LOCKABLE IN THE OPEN POSITION

ABBREVIATIONS:

CB- ENCLOSED CIRCUIT BREAKER
 GD- GENERAL DUTY
 HD- HEAVY DUTY
 NF- NON-FUSIBLE

APPROVED MANUFACTURERS:
 EATON, GE, SIEMENS, SQUARE D

FLOOR BOX SCHEDULE								
MARK	BASIS OF DESIGN		MATERIAL	COVER	SERVICE TYPE	MAX. KNOCKOUT OR HUB SIZE	APPROVED MANUFACTURERS	NOTES
	MANUFACTURER	SERIES / MODEL #						
FB1	HUBBELL	B4233	CAST IRON	SA3825/SA3826	CONCRETE FLOOR	1"	LEVITON, WIREMOLD	1,2

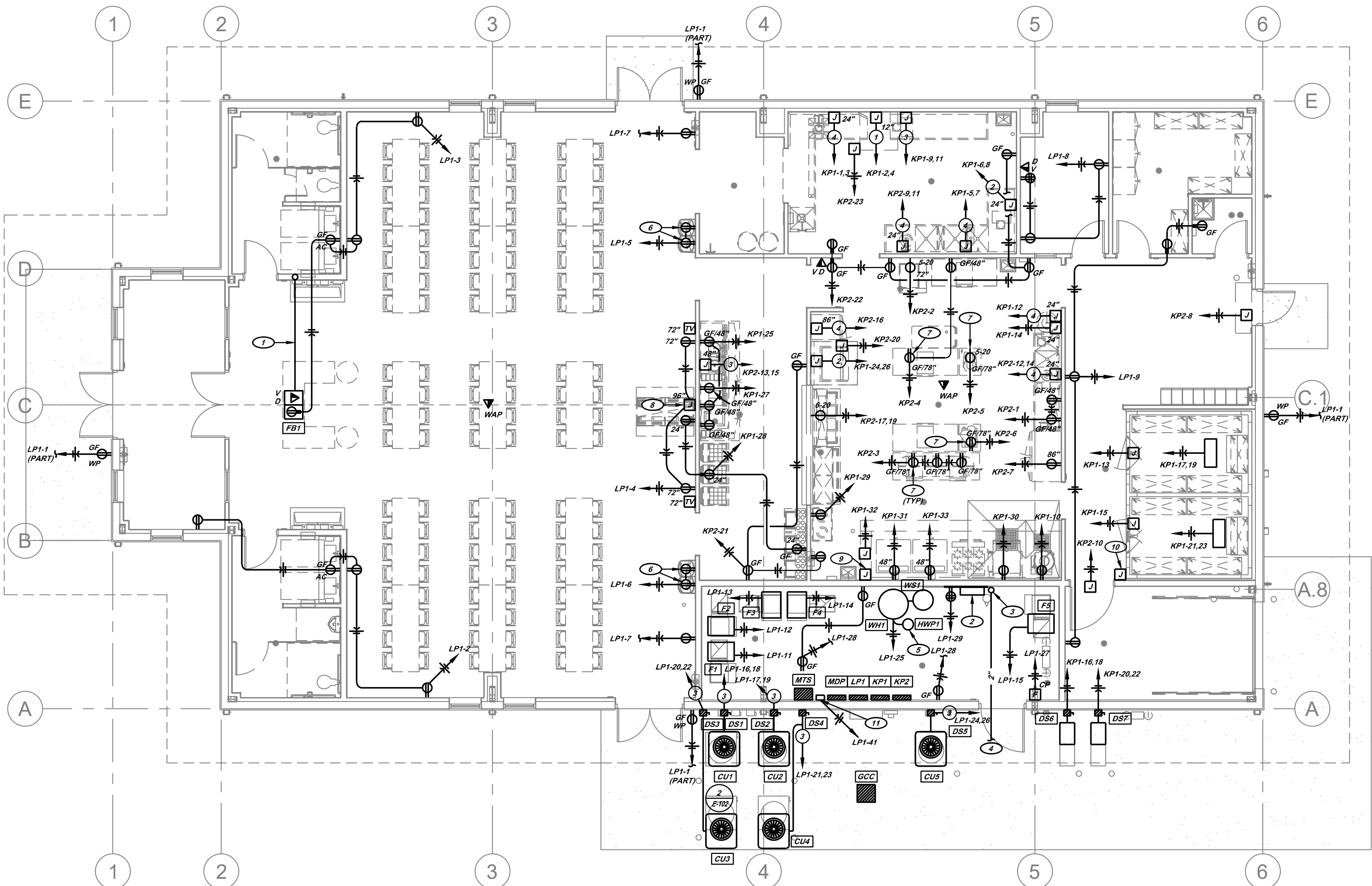
NOTES:

1. PRIOR TO ANY INSTALLATION, EXACT FLOOR BOX LOCATIONS SHALL BE CONFIRMED WITH ARCHITECT/OWNER. LOCATIONS SHOWN ON POWER PLANS ARE APPROPRIATE. WHERE APPLICABLE, COORDINATE LOCATIONS WITH FINAL FUTURE LAYOUT.

2. PROVIDE BOX WITH SEPARATE LOW VOLTAGE COMPARTMENT. COORDINATE LOW VOLTAGE WIRING REQUIREMENTS WITH OWNER.

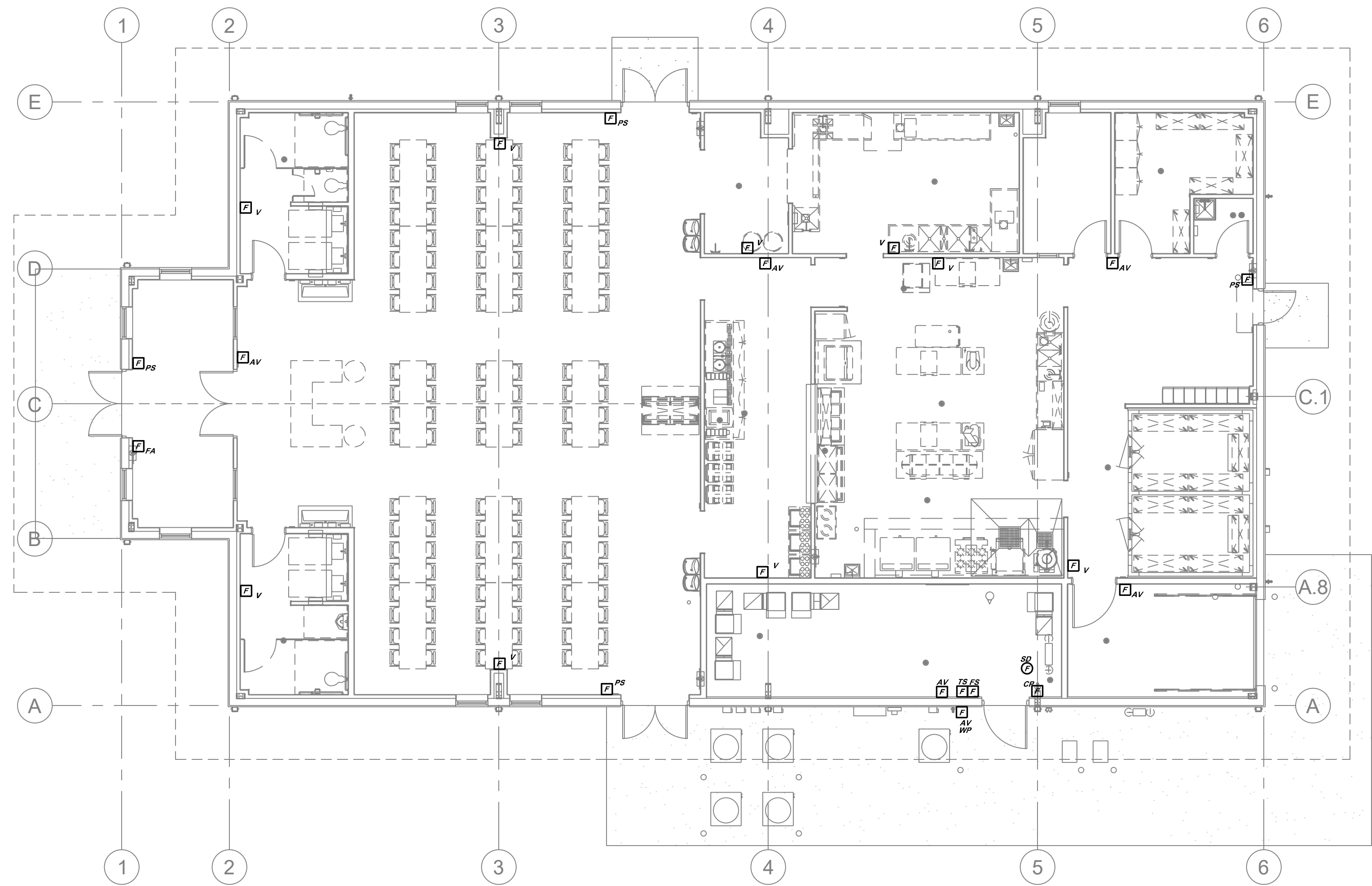
SPECIAL NOTES:

1. COORDINATE NEMA CONFIGURATION AND AMPERAGE OF ALL RECEPTACLES AND ASSOCIATED CIRCUIT BREAKERS SERVING KITCHEN EQUIPMENT WITH OWNERS FINAL EQUIPMENT SELECTION.
2. PROVIDE FINAL ELECTRICAL CONNECTIONS TO ALL KITCHEN EQUIPMENT. VERIFY REQUIREMENTS WITH KITCHEN EQUIPMENT SUPPLIER. PROVIDE CORD AND PLUG OR DISCONNECT FOR ALL KITCHEN EQUIPMENT NOT SUPPLIED WITH INTEGRAL DISCONNECTING MEANS.

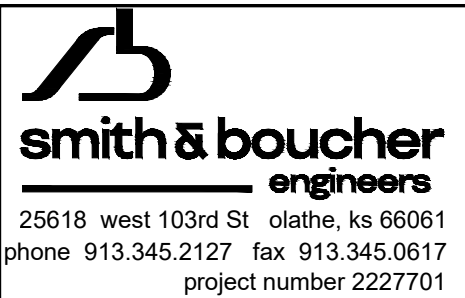


4. PROVIDE FIRE ALARM SYSTEM INITIATION DEVICES AND NOTIFICATION APPLIANCES, REMOTE/REMOTE AND CONTROL DEVICES AS INDICATED ON THE DRAWINGS AND/AS REQUIRED BY THE SPECIFICATIONS, IN ACCORDANCE WITH NFPA 720 FIRE ALARM JURING JURISDICTION/ALARM.
5. ALL FIRE ALARM WORK SHALL BE IN LATEST EDITION OF NFPA 720 FIRE ALARM JURING JURISDICTION/ALARM.
6. ALL FIRE ALARM SYSTEM WIRING SHALL BE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SHALL COMPLY WITH N.E.C. ARTICLE 760.
7. ALL EXPOSED FIRE ALARM SYSTEM WIRING SHALL BE IN CONDUIT. PAINT FIRE ALARM CONDUIT, JUNCTION BOXES AND FITTINGS RED.
8. ALL FIRE ALARM SYSTEM WIRING SHALL BE INSTALLED IN CONDUIT.
9. ALL FIRE ALARM SYSTEM EQUIPMENT SUBMITTALS SHALL INCLUDE PRODUCT DATA SHEETS, AND ALL ALARM EQUIPMENT SHALL BE LISTED BY UL FOR FIRE ALARMS, SECURITY OF OPERATIONS, VOLTAGE DROP AND BATTERY CALCULATIONS. IN ADDITION TO SUBMITTALS BEING SUBMITTED TO A/E, SUBMITTALS SHALL BE SUBMITTED TO AUTHORITY HAVING JURISDICTION (A/H) FOR REVIEW AND APPROVAL. AN APPROVED COPY AS SUBMITTED TO A/H SHALL ALSO BE SUBMITTED TO A/E.
10. WHERE A POWER EXTENDER IS REQUIRED, PROVIDE POWER EXTENDER, ASSOCIATED 120-VOLT/ POWER SUPPLY AND A SMOKE DETECTOR IN SAME ROOM AS POWER EXTENDER.
11. FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA STANDARDS AND MANUFACTURER'S RECOMMENDATIONS. ALL PERSONNEL INSTALLING AND TESTING SHALL BE QUALIFIED EXPERIENCED IN THE INSTALLATION, REPAIR AND TESTING OF FIRE ALARM SYSTEMS. EXPERIENCE SHALL HAVE A MINIMUM OF 3 YEARS OF EXPERIENCE IN PREVIOUS OCCUPATIONAL INSTALLATION, REPAIR AND TESTING OF FIRE ALARM SYSTEMS. EXPERIENCED AND RETEST PRIOR TO OWNER OCCUPATION OF BUILDING. PROVIDE A COMPLETED WORK LOG TO RECORD OF COMPLETION FORM TO THE OWNER AND AUTHORITY HAVING JURISDICTION.
12. FIRE ALARM SYSTEM CONTROL PANEL SHALL ALLOW FOR CONTROL DUTY SENSITIVITY ADJUSTMENT AND TESTING, AND SHALL INCLUDE INQUIRY CONTROLS (AT CONTROL PANEL) FOR FINDING ALARM AND SILENCING ALARM STATUS.

	AV	CEILING MOUNTED AUDIO VISUAL FIRE ALARM ANNUNCIATING DEVICE
	SD	CEILING MOUNTED SMOKE DETECTOR
	DSD	DUCT MOUNTED SMOKE DETECTOR WITH SAMPLING TUBE. INSTALL AT RETURN DUCT UNLESS OTHERWISE NOTED
	FAL	FIRE ALARM SYSTEM CONTROL PANEL
	FAS	WALL MOUNTED AUDIO VISUAL FIRE ALARM ANNUNCIATING DEVICE
	FAP	REMOTE ANNUNCIATOR PANEL
	FWS	FLOW SWITCH
	FMS	MANUAL PULL STATION
	FTS	TAMPER SWITCH
	FV	WALL MOUNTED VISUAL FIRE ALARM ANNUNCIATING DEVICE



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



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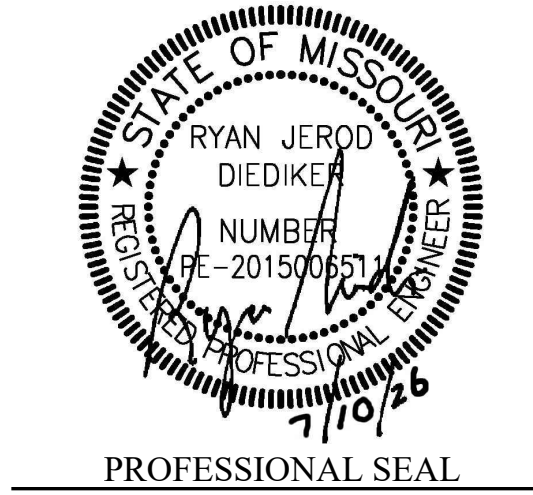
PANEL KP1									
MAIN BUS AMPS:		225 A	AIC:		65,000 A	MAIN LUGS ONLY			
MAIN BREAKER:		N/A	SECTIONS:		1 - 42 SPACE	EQUIPMENT GROUND BUS			
VOLTAGE:		240/120 V	MOUNTING:		SURFACE				
PHASES/WIRES:		1 PH / 3 W	ENCLOSURE TYPE:		NEMA 1				
CIRCUIT DESCRIPTION			POLES	AMPS	CKT NO	CKT NO	AMPS	POLES	CIRCUIT DESCRIPTION
ITEM 26 - DISPOSAL			2	30	1	2	80	2	ITEM 30 - DISHWASHER
					3	4			
ITEM 36 - SINK HEATER			2	30	5	6	90	2	ITEM 37 - BOOSTER HEATER
					7	8			
ITEM 41 - BOOSTER HEATER			2	40	9	10	20GFI	1	ITEM 45 - KETTLE, GAS
					11	12	30	1	ITEM 55A - POTATO PEELER
ITEM 68A - WALK-IN FRIDGE LTG AND HTR			1	20	13	14	20	1	ITEM 55B - DISPOSER
ITEM 68A - WALK-IN FRIDGE LTG AND HTR			1	20	15	16	20	2	ITEM 68C - WALK-IN FRIDGE CU
ITEM 68B - WALK-IN FRIDGE EVAP.			2	20	17	18			
					19	20	20	2	ITEM 68C - WALK-IN FRIDGE CU
ITEM 68B - WALK-IN FRIDGE EVAP.			2	20	21	22			
					23	24	90	2	ITEM 20 - GRIDDLE
ITEM 3 - REC - BEVERAGE COUNTER			1	20	25	26			
ITEM 5 - JUICE DISPENSER			1	20GFI	27	28	20	1	ITEM 8 - REC - COLD FOOD COUNTERS
ITEM 16 - COLD FOOD COUNTER			1	20GFI	29	30	20GFI	1	ITEM 46 - TILT SKILLET
ITEM 49 - CONVECTION OVEN			1	20GFI	31	32	20ST	1	ITEM 50A - EXHAUST HOOD LTS AND CTRLS
ITEM 49 - CONVECTION OVEN			1	20GFI	33	34		1	SHUNT TRIP SPACE
SPARE			1	20	35	36	20	1	SPARE
SPARE			1	20	37	38	20	1	SPARE
SPARE			1	20	39	40	20	1	SPARE
SPARE			1	20	41	42	20	1	SPARE
GFI - GROUND FAULT BREAKER									
ST - SHUNT TRIP									

PANEL KP2							
MAIN BUS AMPS:		150 A	AIC:		65,000 A	MAIN LUGS ONLY	
MAIN BREAKER:		N/A	SECTIONS:		1 - 42 SPACE	EQUIPMENT GROUND BUS	
VOLTAGE:		240/120 V	MOUNTING:		SURFACE		
PHASES/WIRES:		1 PH / 3 W	ENCLOSURE TYPE:		NEMA 1		
CIRCUIT DESCRIPTION	POLES	AMPS	CKT NO	CKT NO	AMPS	POLES	CIRCUIT DESCRIPTION
ITEM 53 - REC - PREP TABLE	1	20	1	2	20GFI	1	ITEM 57 - ICE MACHINE
ITEM 59 - REC - WORK TABLE	1	20	3	4	20	1	ITEM 62 - REC - WORK TABLE
ITEM 63 - MIXER	1	20	5	6	20	1	ITEM 66 - MEAT SLICER
ITEM 67 - REACH-IN FREEZER	1	20GFI	7	8	20	1	ITEM 74 - AIR CURTAIN
ITEM 34 - DISPOSAL	2	30	9	10	20	1	ITEM 74 - AIR CURTAIN
ITEM 6 - COFFEE URN	2	35	11	12	30	2	ITEM 54 - DISPOSAL
			13	14			
			15	16	25	1	
ITEM 17 - HOT FOOD COUNTER	2	20	17	18	20	1	SPARE
			19	20	20	1	EXHAUST HOOD LTG AND CTRLS
			21	22	20	1	REC - KITCHEN
REC - KITCHEN	1	20	23	24	30	1	KEF1
EXHAUST HOOD LTG AND CTRLS	1	20	25	26	20	1	KEF3
KEF2	1	30	27	28	20	1	SPARE
KEF4	1	15	29	30	20	1	SPARE
SPARE	1	20	31	32	20	1	SPARE
SPARE	1	20	33	34	20	1	SPARE
SPARE	1	20	35	36		1	SPARE
PREPARED SPACE	1		37	38		1	PREPARED SPACE
PREPARED SPACE	1		39	40		1	PREPARED SPACE
PREPARED SPACE	1		41	42		1	PREPARED SPACE

PANEL MDP									
MAIN BUS AMPS:		800 A	AIC:		65,000 A	MAIN LUGS ONLY			
MAIN BREAKER:		800 A	SECTIONS:		1 - 6 SPACE	EQUIPMENT GROUND BUS			
VOLTAGE:		240/120 V	MOUNTING:		SURFACE				
PHASES/WIRES:		1 PH / 3 W	ENCLOSURE TYPE:		NEMA 1	SERVICE ENTRANCE			
CIRCUIT DESCRIPTION	POLES	AMPS	CKT NO	CKT NO	AMPS	POLES	CIRCUIT DESCRIPTION		
PANEL 'KP1'	3	225	1	2	150	3	PANEL 'KP2'		
PANEL 'LP1'	3	400	3	4		3	PREPARED SPACE		
PREPARED SPACE	3		5	6		3	PREPARED SPACE		

PANEL LP1									
MAIN BUS AMPS:		400 A	AIC:		65,000 A	MAIN LUGS ONLY			
MAIN BREAKER:		N/A	SECTIONS:		1 - 54 SPACE	EQUIPMENT GROUND BUS			
VOLTAGE:		240/120 V	MOUNTING:		SURFACE				
PHASES/WIRES:		1 PH / 3 W	ENCLOSURE TYPE:		NEMA 1				
CIRCUIT DESCRIPTION	POLES	AMPS	CKT NO	CKT NO	AMPS	POLES	CIRCUIT DESCRIPTION		
REC - EXTERIOR	1	20	1	2	20	1	REC - CONVENIENCE		
REC - CONVENIENCE	1	20	3	4	20	1	REC - TV WALL		
EWG	1	20GFI	5	6	20GFI	1	EWG		
REC - CONVENIENCE	1	20	7	8	20	1	REC - OFFICE		
REC - CONVENIENCE	1	20	9	10	20	1	REC - ROOF RECEPTACLES		
FURNACE - F1	1	15	11	12	15	1	FURNACE - F2		
FURNACE - F3	1	15	13	14	15	1	FURNACE - F4		
FURNACE - F5	1	15	15	16	60	2	CU1		
CU2	2	60	17	18	60	2	CU3		
			19	20					
			21	22					
CU4	2	60	23	24	60	2	CU5		
			25	26					
			27	28					
WH1, WS1, AND HWP1	1	20	29	30	60	2	REC - CONVENIENCE		
FIRE ALARM CONTROL PANEL (FACP)	1	20LCK	31	32			MAU2		
IT RECEPTACLE	1	20	33	34	20	1	LTG - PUBLIC AREAS		
MAU1	2	20	35	36	20	1	LTG - BOH AND KITCHEN SPACES		
			37	38					
			39	40					
LTG - EXTERIOR WALL PACKS	1	20	41	42	20	1	SPARE		
SPARE	1	20	43	44	20	1	SPARE		
SPARE	1	20	45	46	20	1	SPARE		
TIMECLOCK	1	20	47	48			PREPARED SPACE		
SPARE	1	20	49	50			PREPARED SPACE		
SPARE	1	20	51	52			PREPARED SPACE		
SPARE	1	20	53	54			PREPARED SPACE		
PREPARED SPACE	1						GFI - GROUND FAULT BREAKER		
PREPARED SPACE	1						LCK - LOCKABLE TAB		
PREPARED SPACE	1						ST - SHUNT TRIP		

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



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MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY
MISSOURI ARMY
NATIONAL GUARD

CONSTRUCT NEW
SOLDIER DINING FACILITY

WAPPAPELLO
TRAINING SITE
461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT #
SITE #
ASSET #

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: JULY 10, 2026

CAD DWG FILE: _____
DRAWN BY: SBI
CHECKED BY: RJD
DESIGNED BY: JEB

SHEET TITLE:
ELECTRICAL
SCHEDULES
AND DETAILS

SHEET NUMBER:

E-104

41 OF 41 SHEETS

smith & boucher
engineers

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