

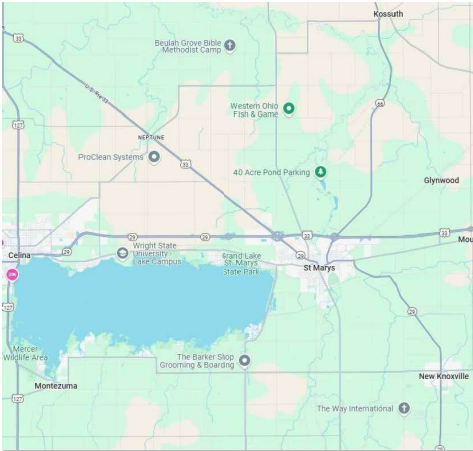


DIVISION OF ENGINEERING

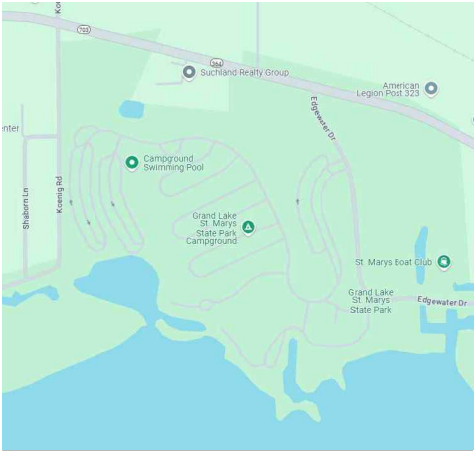
GRAND LAKE ST. MARYS STATE PARK

PARK OFFICE RENOVATION

DNR-250013 AUGLAIZE COUNTY, OHIO



VICINITY MAP



LOCATION MAP

APPROVED FOR BID	
<u>Glen Cobb</u> Glen Cobb (Sep 24, 2025 10:38:50 EDT)	
GLEN COBB, CHIEF, Division of PARKS AND WATERCRAFT	
24/09/2025	DATE
Signed by: <u>[Signature]</u> 4F4550306F8C486	
JEREMY WENNER, P.E., CHIEF, Division of ENGINEERING	
9/29/2025 1:30 AM EDT	
REVIEWED BY	
<u>Eric Moser</u>	
ERIC MOSER, PROJECT MANAGER, Division of ENGINEERING	
9/24/25	DATE
FOR OFFICIAL USE ONLY - Infrastructure Record	
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UNDERGROUND UTILITIES

TWO WORKING DAYS
BEFORE YOU DIG

Call 800-362-2764 (Toll Free)

OHIO UTILITIES PROTECTION SERVICE

NON-MEMBERS
MUST BE CALLED DIRECTLY

- TS1 - TITLE SHEET
- TS2 - COVER SHEET
- C1 - CML COVER SHEET
- C2 - PAVING NOTES AND DETAILS
- C3 - UTILITY NOTES AND DETAILS
- C4 - DEMOLITION NOTES
- C5 - EXISTING CHECK-IN BUILDING DEMOLITION
- C6 - EXISTING SURVEY AND DEMOLITION
- C7 - PROPOSED GEOMETRICS AND UTILITIES
- C8 - PROPOSED GRADING AND STRIPING
- C9 - OVERALL SITE PLAN AND EROSION CONTROL
- C10 - EROSION CONTROL NOTES AND DETAILS
- L1,01 - LANDSCAPE PLAN
- LS100,1 - LIFE SAFETY SHEET
- A100,1 - FLOOR PLAN
- A100,2 - MEZZANINE PLAN AND MAINTENANCE PLATFORM PLAN
- A200,1 - INTERIORS PLAN
- A300,1 - REFLECTED CEILING PLAN

- INDEX OF SHEETS
- A400,1 - ROOF PLAN
- A400,2 - ROOF DETAILS
- A400,3 - ROOF DETAILS AND METAL ROOF
- A401,1 - ALTERNATE ROOF PLAN
- A401,2 - ALTERNATE ROOF DETAILS
- A401,3 - ALTERNATE ROOF DETAILS
- A500,1 - ENLARGED PLANS
- A600,1 - EXTERIOR ELEVATIONS
- A600,2 - EXTERIOR ELEVATIONS
- A600,3 - EXTERIOR ELEVATIONS
- A700,1 - BUILDING SECTIONS
- A700,2 - BUILDING SECTIONS
- A700,3 - BUILDING SECTIONS
- A800,1 - WALL SECTIONS
- A800,2 - WALL SECTIONS
- A800,3 - WALL SECTIONS
- A800,4 - WALL SECTION
- A800,5 - DOOR SCHEDULE
- A800,6 - DOOR DETAILS
- A900,1 - INTERIOR RENDERINGS
- A900,2 - INTERIOR ELEVATIONS
- A900,3 - INTERIOR ELEVATIONS
- A900,4 - INTERIOR ELEVATIONS
- A901,1 - CASEWORK DETAILS
- A901,2 - CASEWORK DETAILS
- S00,1 - GENERAL NOTES AND SPECIAL INSPECTIONS
- S100,1 - FOUNDATION PLAN
- S200,1 - ROOF FRAMING PLAN
- S200,2 - MEZZANINE FRAMING PLAN
- S300,1 - FOUNDATION DETAILS
- S400,1 - STRUCTURAL SECTIONS AND MISC. DETAILS.
- M100,1 - MECHANICAL PLAN
- M200,1 - MECHANICAL SCHEDULE AND DETAILS
- P100,1 - PLUMBING PLAN
- ESP1 - ELECTRICAL SITE PLAN
- ESP2 - ELECTRICAL SITE PLAN
- E100,1 - LIGHTING PLAN
- E200,1 - POWER PLAN
- E300,1 - SYSTEMS PLAN
- E300,2 - DETAILS
- E400,1 - SDL AND PANELS
- E500,1 - ALTERNATE LIGHTING PLANS

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ENGINEERING

Ohio Department of Natural Resources

TITLE SHEET

DESIGNED BY: BUEHRER GROUP, INC.

DRAWN BY: BUEHRER GROUP, INC.

CHECKED BY: -

APPROVED BY: -

PROJECT NUMBER: DNR-250013

SCALE: VARIES

DATE: 09/19/2025

REVISED: SEE REVISION SCHEDULE

GRAND LAKE ST. MARYS PARK OFFICE

AUGLAIZE, OHIO

TS1





GENERAL NOTES

1. VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE BEFORE WORK IS STARTED. INFORMATION ON THESE DRAWINGS ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTORS FOR BIDDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER NOTIFICATION OF ALL DISCREPANCIES. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. DO NOT DISASSEMBLE THIS SET. COVER SHEET IS A MASTER INDEX. SYMBOLS AND OTHER ITEMS MAY BE INCLUDED ON ADDITIONAL SHEETS.
3. ALL NOTES ON ARCHITECTURAL DRAWINGS REFER TO NEW CONSTRUCTION OR MATERIALS. EXISTING MATERIALS AND CONSTRUCTION ARE SPECIFICALLY CALLED OUT AS EXISTING.
4. ALL DIMENSIONS ARE FROM FACE OF MASONRY OR FACE OF DRYWALL.
5. PROVIDE DRYWALL CONTROL JOINTS AT A MAXIMUM SPACING OF 30'-0" IN ANY DIRECTION.
6. PROVIDE DUMPSTER AND DISPOSE OF ALL WASTE ASSOCIATED WITH THIS PROJECT UNLESS NOTED OTHERWISE ON THESE DRAWINGS.
7. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH STANDARDS OF BEST PRACTICE BY WORKERS SKILLED IN THEIR RESPECTIVE TRADES.
8. THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPT, DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS AND THE TYPE OF STRUCTURAL, MECHANICAL, ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
9. SEAL ALL TOPS OF GROUND FLOOR SLAB EXPANSION JOINTS AT WALLS OR ANY OTHER THRU-FLOOR JOINT WITH POLYURETHANE CAULK. BEFORE FLOOR FINISHES ARE INSTALLED. ALSO SEAL ALL PIPE, CONDUIT, OR ANY OTHER PENETRATION THROUGH THE BUILDING GROUND FLOOR SLAB. ANYTHING ABOVE A 1" DIAMETER HOLE SHALL BE GROUTED SOLID.
10. PROVIDE ALL 2x BLOCKING IN WALLS FOR ALL ITEMS SUCH AS BUT NOT LIMITED TO BUILT-IN CABINETS, COUNTERTOP SUPPORTS, GRAB BARS, STORAGE SHELVING, VIDEO MONITORS, ETC. G.C. TO COORDINATE LOCATION OF BLOCKING W/ OWNER & CABINET INSTALLER. IN EXISTING WALLS WHERE BLOCKING IS REQUIRED.
11. COORDINATE PLUMBING ROUGH-INS, SINK SIZES & LOCATION OF SINKS W/ CABINET INSTALLER.
12. COORD. W/ MECHANICAL SUBCONTRACTOR AND PROVIDE ALL MECH. OPENINGS IN STUD WALLS (W/ STRUCT. HEADERS AS REQUIRED), JOISTS, MASONRY WALLS, ETC.
13. ALL MECH. GRILLS ARE TO BE PAINTED.
14. ALL EXPOSED STEEL TO BE PAINTED.
15. ALL WALLS ARE TO BE SECURELY BRACED TO STRUCTURE ABOVE FOR SUPPORT.
16. ALL PLASTER / DRYWALL SOFFITS & BULKHEADS ARE TO BE PAINTED.
17. CONTRACTOR TO SEAL ALL NEW UTILITY PENETRATIONS THROUGH ALL INTERIOR WALLS.
18. CONCEAL ALL NEW CONDUIT, PLUMBING, ETC IN NEW WALLS OR UNDER NEW CONCRETE FLOOR SLABS.



GLSM PARK OFFICE
FOR
OHIO DEPARTMENT OF NATURE
RESOURCES DNR-25000
AUGLAZE COUNTY,

BUEHRER GROUP
architecture & engineering, inc.
314 CONANT ST., MAUMEE, OH 43537 | P-419.893.3023 | F-419.893.3027 | BUEHRERGROUP.COM

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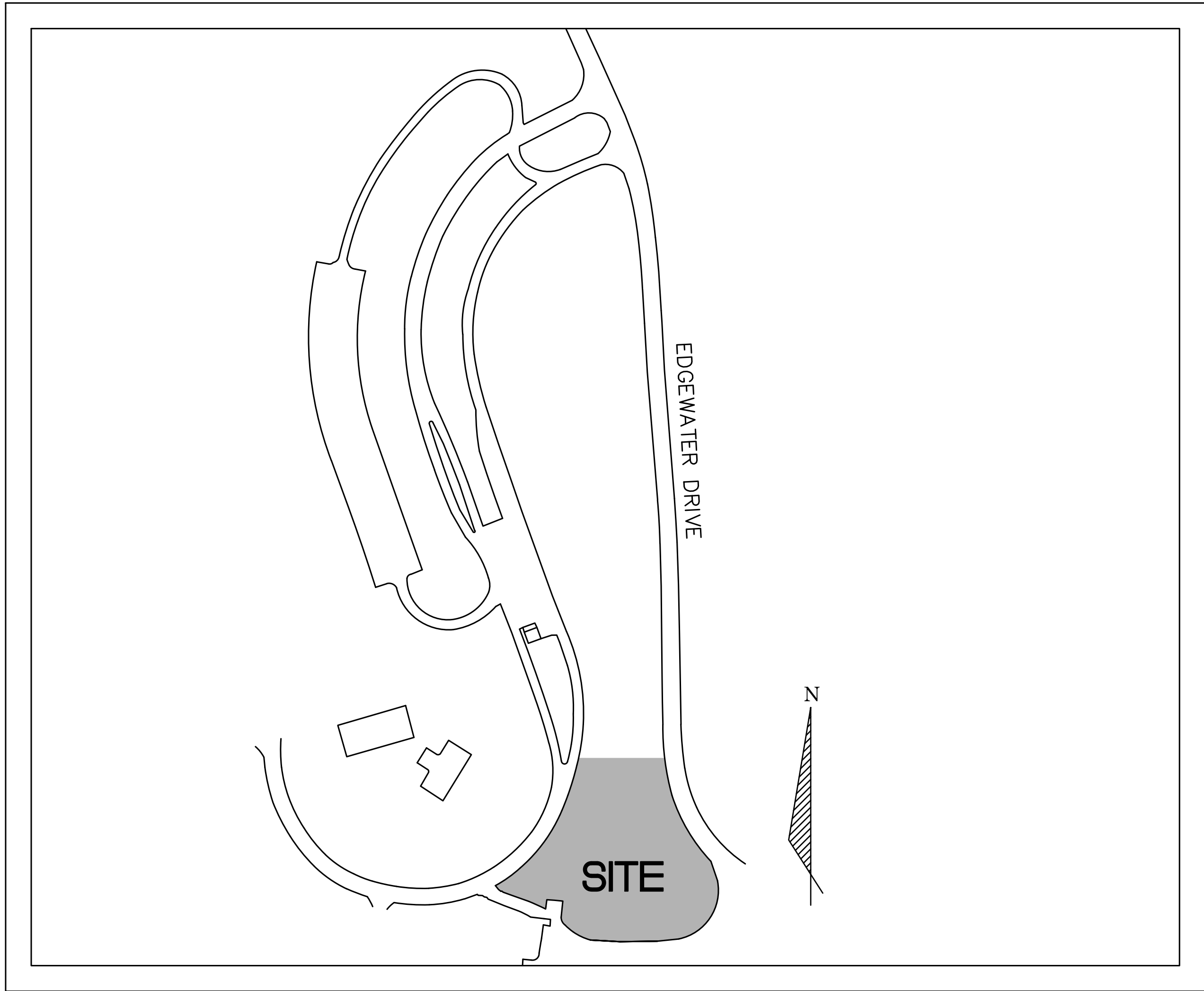
SWP3 NOTICE

THIS SITE IS UNDER 1 ACRES OF DISTURBANCE (0.95 ACRES DISTURBED) AND DOES NOT REQUIRE AN OHIO EPA CONSTRUCTION STORM WATER PERMIT NOTICE OF INTENT.

ALTHOUGH AN OHIO EPA CONSTRUCTION STORM WATER PERMIT IS NOT REQUIRED FOR THIS DEMOLITION PROJECT THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULL COMPLIANCE WITH THE OHIO EPA'S CONSTRUCTION STORM WATER PERMIT AS IF IT WAS REQUIRED. CONTRACTOR SHALL ASSIGN A STORM WATER POLLUTION PREVENTION PLAN (SWP3) INSPECTOR FOR THIS PROJECT AND CONDUCT INSPECTIONS AS REQUIRED PER THE PERMIT. .

CONTRACTOR SHALL SUBMIT THE INSPECTION LOGS, SIGNED BY THE SWP3 INSPECTOR, TO THE OWNER WITHIN 24 HOURS AFTER THE INSPECTION HAS BEEN COMPLETED.

CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION, REPORTING AND MAINTENANCE/REVISIONS OF EROSION CONTROL MEASURES THROUGHOUT DURATION OF THE DEMOLITION PROJECT..



SITE MAP

NOT TO SCALE

INDEX

- 1 COVER SHEET
- 2 PAVING NOTES AND DETAILS
- 3 UTILITY NOTES AND DETAILS
- 4 DEMOLITION NOTES
- 5 EXISTING CHECK-IN BUILDING DEMOLITION
- 6 EXISTING SURVEY AND DEMOLITION
- 7 PROPOSED GEOMETRICS AND UTILITIES
- 8 PROPOSED GRADING AND STRIPING
- 9 OVERALL SITE PLAN AND EROSION CONTROL
- 10 EROSION CONTROL NOTES AND DETAILS

WARNING

UNDERGROUND CONDUITS IN AREA; CONTACT THE OHIO UTILITIES PROTECTION SERVICE (OUPS) TWO WORKING DAYS PRIOR TO ANY EXCAVATION, DEMOLITION OR CONSTRUCTION.....1-800-362-2764

CONTRACTOR SHALL IDENTIFY AND CONTACT ANY UTILITY COMPANIES THAT DO NOT PARTICIPATE IN THE OUPS SYSTEM.

TITLE

VERDANTAS LLC HAS NOT BEEN PROVIDED A CURRENT TITLE COMMITMENT FOR THE SUBJECT LANDS. AS SUCH, ANY EASEMENTS, RIGHT-OF-WAYS, RESTRICTION OR OTHER TITLE MATTERS THAT MAY BE CONTAINED THEREIN ARE NOT SHOWN ON THIS SURVEY.

PROJECT INFORMATION

CONTRACTOR: _____

ADDRESS: _____

PHONE: _____

SWP3 INSPECTOR: _____

PHONE: _____

START DATE: _____

COMPLETION DATE: _____

ADDRESS

900 EDGEWATER DR
SAINT MARYS, OHIO 45885
Pt. PARCEL No:
LAT: 40.545794
LONG: -84.437514

BENCH MARK

BW#1
CROSS CUT ON SOUTH RIM OF MANHOLE
ELEVATION877.16 NAVD88
N 328200.90 E 1429946.24
LE FB 54036

OWNER / DEVELOPER

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENGINEERING
ERIC MOSER
PROJECT MANAGER
2045 MORSE RD, BUILDING E-3
COLUMBUS, OHIO 43229
PHONE: 614-230-9819
ERIC.MOSER@DNR.OHIO.GOV

WETLANDS

THERE ARE NO WETLANDS WITHIN 200' OF THE SITE PER THE US FISH AND WILDLIFE SERVICE NATIONAL WETLANDS INVENTORY

FLOOD PLAIN

FLOOD INSURANCE STUDY
TABLE 2 - SUMMARY OF ELEVATIONS
GRAND LAKE ST. MARYS WITHIN COMMUNITY
ZONE AE ELEV 873 NGVD
DATED 09/06/1989
AND ZONE X
MAP # 39011C0080C
EFFECTIVE 9/6/1989

UTILITY SURVEY LEVEL

SUBSURFACE UTILITY SURVEY HAS BEEN COMPLETED TO THE FOLLOWING INDICATED LEVEL PER THE STANDARDS OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) CI/ASCE 38-02.

○ QUALITY LEVEL D - INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.

● QUALITY LEVEL C - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D.

○ QUALITY LEVEL B - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS (TYPICALLY GROUND PENETRATING RADAR) TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES.

○ QUALITY LEVEL A - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES, USUALLY AT A SPECIFIC POINT.

THE CLIENT SHALL INFORM VERDANTAS LLC IF A HIGHER LEVEL OF UTILITY LOCATION IS REQUIRED.

ENVIRONMENTAL STUDIES

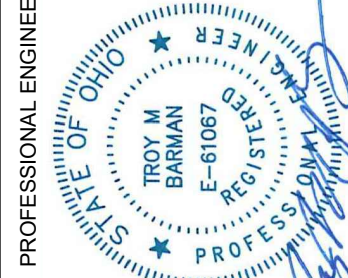
AN ENVIRONMENTAL STUDY, INCLUDING FLOODPLAIN DELINEATION, WETLAND DELINEATION, PHASE 1 ENVIRONMENTAL STUDY, AND/OR HISTORICAL REVIEW, IS NOT PART OF THIS WORK. NO OBSERVABLE EVIDENCE OF AN ON-SITE CEMETERY WAS FOUND. THE CLIENT SHALL INFORM VERDANTAS LLC IF ENVIRONMENTAL, HISTORICAL OR ARCHEOLOGICAL SERVICES ARE REQUIRED.

VERDANTAS LLC HAS NOT BEEN PROVIDED A COPY OF ANY WETLAND DELINEATION FOR THIS SITE, NOR DID THE FIRM FIND ANY FIELD EVIDENCE OF MARKINGS BY A THIRD PARTY TO DENOTE THE LIMITS OF ANY POTENTIAL WETLAND.

verdantas

219 SOUTH ERIE STREET
TOLEDO, OHIO 43604-8607
TEL. 419.385.2018

PROFESSIONAL ENGINEER



P.E. #61067

STATE OF OHIO

ST. MARYS TOWNSHIP ~ AUGLAIZE COUNTY ~ OHIO
**GRAND LAKE ST. MARYS
STATE PARK**
PT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E
PROPOSED SITE IMPROVEMENTS

APPLICATION NO.

DATE
09/19/2025

SCALE
N/A

SHEET
1 OF 10



Know what's below.
Call before you dig.

z:\project files\aa-bz\bluehr\30131 - cnr grand lake st. marys office renovation\design\engineering\civil site design\154036 - design.dwg 9/19/2025 12:34 PM

STORM NOTES

PART 1 - GENERAL
1.01 DESCRIPTION OF WORK:

- A. SEWER SYSTEM WORK INCLUDES, BUT IS NOT LIMITED TO, PIPE, FITTINGS, AND DRAINAGE STRUCTURES FOR STORM AND SANITARY SEWERS.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION STAKING
- C. THE LOCATION OF ALL EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE. DETERMINATION OF THE EXACT LOCATION OF EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY EACH REPRESENTATIVE UTILITY COMPANY PRIOR TO THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES CAUSED BY HIS OPERATIONS. PROOF OF INSURANCE, CARRIER, LIMIT & DEDUCTIBLE REQUIRED.
- D. THERE ARE EXISTING NUMEROUS UNDERGROUND CONDUITS IN THE AREA. THE CONTRACTOR MUST OBTAIN THE SERVICE OF THE UTILITY PROTECTION SERVICE PRIOR TO ANY EXCAVATION, DEMOLITION OR CONSTRUCTION. TWO (2) WORKING DAYS BEFORE YOU DIG, CALL OHIO UTILITIES PROTECTION SERVICE (OUPS) AT 1-800-362-2764. NON-MEMBERS MUST BE CALLED DIRECTLY.
- E. ALL UTILITY COMPANIES, BOTH PUBLIC & PRIVATE, & THE LOCAL GOVERNING AGENCY SHALL BE NOTIFIED IN WRITING, AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION.
- F. IN AREAS WHERE THE NEW CONSTRUCTION MIGHT BE IN CONFLICT WITH EXISTING UTILITIES, EITHER IN ALIGNMENT OR CONDUITS. IF THERE IS A CONFLICT, NOTIFY OWNER'S ENGINEER PRIOR TO MAKING ANY ADJUSTMENTS.
- G. REQUIRED PERMITS SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY WORK.
- H. THE CONTRACTOR SHALL, AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK, AND AT ITS COMPLETION FOR FINAL INSPECTION, PROVIDE AND MAINTAIN AMPLE MEANS AND EQUIPMENT WITH WHICH TO PROPERLY REMOVE AND DISPOSE OF ALL WATER ENTERING THE EXCAVATION, OR OTHER PARTS OF THE WORK, AND KEEP SUCH EXCAVATIONS DRY UNTIL THE STRUCTURES TO BE BUILT THEREIN HAVE BEEN COMPLETED. ALL WATER PUMPED OR DRAINED FROM THE WORK HEREUNDER SHALL BE IN A SUITABLE MANNER WITHOUT DAMAGE TO ADJACENT PROPERTY OR OTHER WORK UNDER CONSTRUCTION. THE FLOW OF ALL SEWERS, DRAINS OR WATER-COURSES ENCOUNTERED ON THE WORK, AND IN GUTTERS ALONG THE SIDES OF OR ACROSS THE WORK, SHALL BE ADEQUATELY PROVIDED BY THE CONTRACTOR AT HIS OWN EXPENSE, BOTH TEMPORARILY AND PERMANENTLY AS REQUIRED, EXCEPT AS SPECIFICALLY PROVIDED FOR OTHERWISE.

- I. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREVENT AIR AND WATER POLLUTION THROUGH DUST AND DIRT CONTROL TO THE SATISFACTION OF THE TOWNSHIP AND COUNTY IN THE FOLLOWING AREAS:
- IN THE STREET, SIDEWALKS AND DRIVES WITHIN THE LIMITS OF THE CONTRACT.
 - ANY HAUL ROADS LEADING TO OR AWAY FROM THE PROJECT THAT ARE USED BY THE CONTRACTOR.
 - TAKE ALL NECESSARY STEPS TO PREVENT SOIL ERODING ONTO ALL PAVED AREAS AND INTO ALL NATURAL WATER-COURSES, DITCHES AND THE PUBLIC SEWER SYSTEM.
- J. WHERE ANY PAVEMENTS, DRIVEWAYS, PARKING AREAS, CURBS, GUTTERS, BERM STONE, SIDEWALKS, WATER LINES, GAS LINES, SEWERS, CATCH BASINS, DRAINS, FIELD TILE, CONDUIT PIPES, CABLES OR OTHER EXISTING FACILITIES ARE REMOVED OR OTHERWISE DISTURBED IN CARRYING OUT THIS CONTRACT, THEY SHALL BE REPLACED IN AS GOOD A CONDITION AS FOUND AT THE EXPENSE OF THE CONTRACTOR AND TO THE APPROVAL OF THE FACILITY'S OWNER OR THE COUNTY. AS APPLICABLE. ANY SUCH MATERIAL BROKEN OR DISTURBED TO SUCH AN EXTENT AS TO REQUIRE REPLACEMENT, SHALL BE REPLACED WITH NEW MATERIALS AT THE EXPENSE OF THE CONTRACTOR.
- K. TRAFFIC SHALL BE MAINTAINED ON NAVARRE AVE. AT ALL TIMES. ALL TRAFFIC CONTROL DEVICES AND MAINTENANCE OF TRAFFIC METHODS SHALL BE IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), LATEST EDITION IF NECESSITATED BY CONSTRUCTION. LANE CLOSURES MUST BY APPROVED BY THE TOWNSHIP AND/OT COUNTY A MINIMUM OF 7 DAYS IN ADVANCE.

PART 2 - MATERIALS
2.01 PIPE AND FITTINGS:

- A. GENERAL:
- PIPE SHALL MEET THE FOLLOWING SPECIFICATIONS AND AS PERMITTED BY THE LOCAL JURISDICTION.
 - FURNISH ELLS, TEES, WYES, COUPLINGS, END CAPS, AND OTHER FITTINGS OF THE SAME TYPE AND CLASS OF MATERIAL AS THE PIPE.
 - DRAINAGE STRUCTURES SUCH AS CATCH BASINS AND TRENCH DRAINS ARE SPECIFIED ON THE DRAWINGS.
- B. POLYVINYL CHLORIDE PIPE: ASTM D3034. STANDARD DIMENSION RATION (SDR) SHALL NOT EXCEED 35. JOINTS SHALL BE BELL AND SPIGOT TYPE WITH NEOPRENE RUBBER GASKETS CONFORMING TO ASTM D3212.
- C. CORRUGATED, SMOOTH INTERIOR HIGH DENSITY POLYETHYLENE (HDPE) PROFILE WALL PIPE: ASTM F2306; MATERIALS PER ASTM D3350 - 4354000; JOINTS SHALL BE INTEGRAL BELL AND GASKETED SPIGOT TYPE SOIL-TIGHT PER ASTM F477; FITTINGS PER ASTM F2306; COVER PER ASTM F2448 (ASHTO H-25 FOR MINIMUM); INSTALLATION PER ASTM D3321 AND MANUFACTURER'S RECOMMENDATIONS.
- D. REINFORCED CONCRETE PIPE: ASTM C76, CLASS III. JOINTS SHALL BE MODIFIED TONGUE AND GROOVE TYPE WITH RUBBER GASKETS COMPLYING WITH ASTM
- E. POLYETHYLENE PIPE (SERVICE CONNECTIONS ONLY):
- PIPE: PE345440, ASTM F774.
 - CONTRACTOR SHALL DETERMINE PIPE OR BASED ON THE PROPOSED INSTALLATION, BUT IN NO CASE SHALL IT BE OTHER THAN THAT REQUIRED TO LIMIT TANGENTIAL SURFACE STRAIN TO 0.01, OR TO LIMIT MAXIMUM RING DEFLECTION TO 5 PERCENT, WHICHEVER YIELDS THE LOWER DR VALUE (THICKER-WALLED) PIPE.
 - JOINTS: BUTT FUSION BETWEEN PLAIN ENDS OF POLYETHYLENE PIPE, RESTRAINED MECHANICAL FOR TRANSITION BETWEEN PIPE, FITTINGS, ETC., OF DIFFERING MATERIALS AS APPROVED BY ENGINEER.
 - COUPLING: DESIGNED TO TRANSITION FROM IPS PIPE TO ASTM D3034 PIPE.
 - MANUFACTURER: GPK PRODUCTS, FARGO, ND; 6 INCH - GPK G332-0006, 8 INCH - GPK G332-0008. OR AS APPROVED.

PART 3 - EXECUTION

3.01 PIPE PREPARATION AND HANDLING:

- A. INSPECT ALL PIPE AND FITTINGS ENTERING INTO TRENCH TO ENSURE NO CRACKED, BROKEN, OR OTHERWISE DEFECTIVE MATERIALS ARE BEING USED. CLEAN ENDS OF PIPE THOROUGHLY. REMOVE FOREIGN WATER AND DIRT FROM INSIDE OF PIPE AND KEEP CLEAN DURING AND AFTER LAYING.
- B. USE PROPER IMPLEMENTS, TOOLS, AND FACILITIES FOR THE SAFE AND PROPER PROTECTION OF THE WORK. LOWER PIPE INTO THE TRENCH IN SUCH A MANNER AS TO AVOID ANY PHYSICAL DAMAGE TO THE PIPE. REMOVE ALL DAMAGED PIPE FROM THE JOB SITE. DO NOT DROP OR DUMP PIPE INTO TRENCHES UNDER ANY CIRCUMSTANCES.

3.02 INSTALLATION OF PIPE AND FITTINGS:

- A. INSTALL PIPE AND FITTINGS IN ACCORDANCE WITH GOVERNING AUTHORITIES HAVING JURISDICTION, EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE INDICATED IN THE CONTRACT DOCUMENTS.
- B. START PIPE LAYING BY PROCEEDING UPGRADE WITH SPIGOT ENDS POINTING IN DIRECTION OF FLOW. LAY PIPES UNIFORMLY TO LINE AND GRADE SO THAT FINISHED SEWER WILL PRESENT A UNIFORM BORE. ALL CHANGES OF DIRECTIONS SHALL BE MADE BY USE OF PROPER FITTINGS OR MANHOLES. NO JOINT DEFLECTION ALLOWED. INSTALL ALL SEWERS AT UNIFORM GRADE BETWEEN MANHOLES AND OTHER DRAINAGE STRUCTURES UNLESS SHOWN OTHERWISE.
- C. CHECK PIPE FOR ALIGNMENT AND GRADE AFTER JOINT HAS BEEN MADE. ENSURE PIPE BEDDING FORMS A CONTINUOUS AND UNIFORM SUPPORT FOR THE PIPE BARREL BETWEEN JOINTS. APPLY SUFFICIENT PRESSURE IN MAKING THE JOINT TO ASSURE THE JOINT IS SEATED AS DEFINED IN MANUFACTURER'S STANDARD INSTALLATION INSTRUCTIONS. PLACE SUFFICIENT PIPE COVER MATERIAL TO SECURE PIPE FROM MOVEMENT BEFORE NEXT JOINT IS INSTALLED TO ASSURE PROPER PIPE ALIGNMENT AND JOINT MAKEUP.
- D. PREVENT EXCAVATED OR OTHER FOREIGN MATERIALS FROM GETTING INTO THE PIPE DURING THE LAYING OPERATION. CLOSE AND BLOCK THE OPEN END OF THE LAST LAID SECTION OF PIPE TO PREVENT ENTRY OF FOREIGN MATERIAL OR CREEP OF THE GASKETED JOINTS WHEN LAYING OPERATIONS ARE NOT IN PROGRESS. ALSO CLOSE OFF PIPES WHICH ARE STUBBED OFF FOR CATCH BASIN CONSTRUCTION OR OTHER DRAINAGE STRUCTURES.
- E. EMPLOY SUCH MEANS AS WELL POINTING, DITCHING PUMPING OR BAILING TO PREVENT WATER FROM ENTERING THE TRENCH DURING THE LAYING OPERATION AND ALLOW FOR PROPER CONSTRUCTION OF THE BACKFILL IN PIPE ZONE. DO NOT LAY PIPE IN WATER.
- F. CLEAR DIRT AND OTHER SUPERFLUOUS MATERIAL FROM THE INTERIOR OF SEWERS AS THE WORK PROGRESSES. MAINTAIN A SWAB OR DRAG IN THE LINE AND PULL PAST EACH JOINT AS IT IS COMPLETED.
- G. BEDDING THE TRENCH SHALL BE EXCAVATED TO A DEPTH OF AT LEAST SIX (6) INCHES BELOW THE OUTSIDE BOTTOM OF THE PIPE BARREL (AND BELL) AND REPLACED WITH STONE TO FORM THE BEDDING FOR THE PIPE.
- H. AFTER THE PIPE HAS BEEN LAID AND THE JOINT MADE, THE FULL LENGTH OF EACH PIPE SHALL BE THOROUGHLY BEDDED BY TAMPING FINE EXCAVATED MATERIAL UNDER, AROUND AND OVER THE PIPE FOR A DISTANCE OF SIX (6) INCHES ABOVE THE TOP OF THE PIPE BARREL. THE MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING SIX (6) INCHES IN THICKNESS, AND SECURELY COMPACTED BY HAND OR MECHANICAL TAMPING O SECURE GOOD COMPACTION WHILE TAKING CARE NOT TO DISPLACE OR DAMAGE THE PIPE OR JOINTS.
- I. BACKFILL SHALL INCLUDE THE MATERIAL PLACED ABOVE THE TOP OF THE PIPE BARREL. TRENCHES COMING WITHIN 5 FT. OF EXISTING PAVEMENT OR STONED STREETS, ALLEYS, DRIVEWAYS AND PARKING AREAS OR WITHIN PROPOSED PAVEMENTS SHALL BE BACKFILLED WITH GRANULAR MATERIAL MEETING THE REQUIREMENTS OF O.D.O.T ITEM 204.03 AND 603.09 OR EQUIVALENT.
- J. THE CONTRACTOR SHALL BE REQUIRED TO SEED ALL GRASS AREAS DISTURBED BY OPEN TRENCH CONSTRUCTION OR ANY OPERATIONS CONNECTED WITH WORK ON THE PROJECT.
- K. BACKFILL FOR ALL CONDUITS AND STRUCTURES WITHIN FIVE FEET (5') OF EDGE OF PAVEMENT SHALL MEET O.D.O.T. SPEC. 603.08 MATERIAL WITH COMPACTION.
- L. ALL PRECAST CONCRETE MANHOLES SHALL CONFORM TO ASTM SPECIFICATIONS C-478 WITH C-443 JOINTS AND BOOTS.
- M. MANHOLE FRAME AND COVER SHALL BE SOLID AND WEIGH NO LESS THAN 475 LBS. AND SHALL PROVIDE 5" MIN. TO 12" MAX. OF ADJUSTING RING ON CONE SECTION.
- N. ROOF DRAINS, FOUNDATION DRAINS, AND ALL OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
- ALL CONDUITS SHALL CONFORM TO SPEC 3034 SDR 35 (CELL CLASSIFICATION 12454-B) BEFORE ANY SANITARY SEWER CONSTRUCTED USING PVC PIPE IS ACCEPTED AND PLACED INTO SERVICE. IT SHALL BE TESTED FOR RING DEFLECTION, WHICH SHALL NOT EXCEED FIVE PERCENT (5%). THE COST OF ALL TESTING MATERIAL, EQUIPMENT AND LABOR, AND ALL INCIDENTALS NECESSARY FOR MAKING ANY REQUIRED CORRECTIONS OR REPLACEMENTS SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

SANITARY NOTES

- A. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS OF THE OHIO DEPARTMENT OF TRANSPORTATION CURRENT ADDITION, SUBJECT TO ADDENDA BY THE LOCAL UTILITY AUTHORITY.
- B. ALL PVC SANITARY SEWER CONDUIT SHALL BE ASTM D-3034, SDR-35, WITH CELL CLASSIFICATION 12454-B OR APPROVED EQUAL.
- C. ALL SANITARY SEWER CONDUIT SHALL CONTAIN PREMIUM JOINTS PER ASTM D-3212.
- D. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
- E. GRANULAR MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF ODOT ITEM 603.
- F. SEWER TESTING:

LENGTH OF MAIN TEST									
SPECIFIED MINIMUM LENGTH (L) SOWN (MIN:SEC)									
PIPE DIA.	100'	150'	200'	250'	300'	350'	400'	450'	
6"	7:34	5:34	4:34	3:34	2:34	1:34	0:34	0:34	11:24
10"	9:28	6:28	5:28	4:28	3:28	2:28	1:28	0:28	17:48
12"	11:20	8:20	7:20	6:20	5:20	4:20	3:20	2:20	25:38
15"	14:10	10:10	9:10	8:10	7:10	6:10	5:10	4:10	40:04
18"	17:00	13:00	12:00	11:00	10:00	9:00	8:00	7:00	57:41
21"	19:50	15:50	14:50	13:50	12:50	11:50	10:50	9:50	78:31

- THE AIR TEST SHALL BE UNACCEPTABLE IF THE ELAPSED TIME IS LESS THAN THE STATED PERIOD.
- ALL NEW MANHOLES SHALL BE VACUUM TESTED PER ASTM C-1244.
 - PVC PIPE SECTIONS BETWEEN MANHOLES SHALL BE TESTED FOR RING DEFLECTION, WHICH SHALL NOT EXCEED FIVE PERCENT (5%). TESTING SHALL BE DONE AT LEAST 30 DAYS AFTER PIPE IS INSTALLED.
 - SHOULD ANY SECTION OF THE CONDUIT FAIL TO MEET THE TEST REQUIREMENTS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE TELEVISION INSPECTION AND TO MAKE ALL NECESSARY CORRECTIONS. THE COST OF ALL MATERIALS, EQUIPMENT, LABOR, AND INCIDENTALS NECESSARY FOR PERFORMING THE TESTS AND MAKING ANY NECESSARY CORRECTIONS AND REPLACEMENTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
 - THE LOCATION OF ALL EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE. DETERMINATION OF THE EXACT LOCATION OF EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY EACH REPRESENTATIVE UTILITY COMPANY PRIOR TO THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES CAUSED BY HIS OPERATIONS. PROOF OF INSURANCE, CARRIER, LIMIT & DEDUCTIBLE REQUIRED.
 - THERE ARE EXISTING NUMEROUS UNDERGROUND CONDUITS IN THE AREA. THE CONTRACTOR MUST OBTAIN THE SERVICE OF THE UTILITY PROTECTION SERVICE PRIOR TO ANY EXCAVATION, DEMOLITION OR CONSTRUCTION. TWO (2) WORKING DAYS BEFORE YOU DIG, CALL OHIO UTILITIES PROTECTION SERVICE (OUPS) AT 1-800-362-2764. NON-MEMBERS MUST BE CALLED DIRECTLY.
 - ALL UTILITY COMPANIES, BOTH PUBLIC & PRIVATE, & THE LOCAL GOVERNING AGENCY SHALL BE NOTIFIED IN WRITING, AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION.
 - IN AREAS WHERE THE NEW CONSTRUCTION MIGHT BE IN CONFLICT WITH EXISTING UTILITIES, EITHER IN ALIGNMENT OR GRADE, EXCAVATION SHALL CAREFULLY BE DONE, BY HAND IF NECESSARY, TO EXPOSE THE EXISTING CABLES OR CONDUITS. IF THERE IS A CONFLICT, NOTIFY OWNER'S ENGINEER PRIOR TO MAKING ANY ADJUSTMENTS.
 - REQUIRED PERMITS SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY WORK.
 - SAFETY REQUIREMENTS - THE CONTRACTOR SHALL AT ALL TIMES FOLLOW STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION OF THIS PROJECT. SPECIAL CARE SHALL BE TAKEN DURING ALL TRENCHING OPERATIONS. SHEETING, BRACING, ETC. SHALL BE INSTALLED AS REQUIRED TO PROVIDE MAXIMUM SAFETY TO THE WORKERS IN FULL COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
 - THE CONTRACTOR SHALL AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK, AND AT ITS COMPLETION FOR FINAL INSPECTION, PROVIDE AND MAINTAIN AMPLE MEANS AND EQUIPMENT WITH WHICH TO PROPERLY REMOVE AND DISPOSE OF ALL WATER ENTERING THE EXCAVATION, OR OTHER PARTS OF THE WORK, AND KEEP SUCH EXCAVATIONS DRY UNTIL THE STRUCTURES TO BE BUILT THEREIN HAVE BEEN COMPLETED. ALL WATER PUMPED OR DRAINED FROM THE WORK HEREUNDER SHALL BE DISPOSED OF IN A SUITABLE MANNER WITHOUT DAMAGE TO ADJACENT PROPERTY OR OTHER WORK UNDER CONSTRUCTION. THE FLOW OF ALL SEWERS, DRAINS OR WATER-COURSES ENCOUNTERED ON THE WORK, AND IN GUTTERS ALONG THE SIDES OF OR ACROSS THE WORK, SHALL BE ADEQUATELY PROVIDED BY THE CONTRACTOR AT HIS OWN EXPENSE, BOTH TEMPORARILY AND PERMANENTLY AS REQUIRED, EXCEPT AS SPECIFICALLY PROVIDED FOR OTHERWISE.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREVENT AIR AND WATER POLLUTION THROUGH DUST AND DIRT CONTROL TO THE SATISFACTION OF THE TOWNSHIP AND/OR COUNTY IN THE FOLLOWING AREAS:
 - IN THE STREET AND DRIVES WITHIN THE LIMITS OF THE CONTRACT.
 - ANY HAUL ROADS LEADING TO OR AWAY FROM THE PROJECT THAT ARE USED BY THE CONTRACTOR.
 - TAKE ALL NECESSARY STEPS TO PREVENT SOIL ERODING ONTO ALL PAVED AREAS AND INTO ALL NATURAL WATER-COURSES, DITCHES AND THE PUBLIC SEWER SYSTEM.
 - WHERE ANY PAVEMENTS, DRIVEWAYS, PARKING AREAS, CURBS, GUTTERS, BERM STONE, SIDEWALKS, WATER LINES, GAS LINES, SEWERS, CATCH BASINS, DRAINS, FIELD TILE, CONDUIT PIPES, CABLES OR OTHER EXISTING FACILITIES ARE REMOVED OR OTHERWISE DISTURBED IN CARRYING OUT THIS CONTRACT, THEY SHALL BE REPLACED IN AS GOOD A CONDITION AS FOUND AT THE EXPENSE OF THE CONTRACTOR AND TO THE APPROVAL OF THE FACILITY'S OWNER, THE TOWNSHIP AND COUNTY. AS APPLICABLE. ANY SUCH MATERIAL BROKEN OR DISTURBED TO SUCH AN EXTENT AS TO REQUIRE REPLACEMENT, SHALL BE REPLACED WITH NEW MATERIALS AT THE EXPENSE OF THE CONTRACTOR.
 - PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE OWNER, ALL STORM SEWERS SHALL BE THOROUGH CLEANED AND FLUSHED WITH WATER. ALL NEW INLETS AND MANHOLES CONSTRUCTED AS PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT SHALL BE ACCEPTED BY THE OWNER.

MANHOLE FRAME AND COVERS:

ALL MANHOLE FRAME AND COVERS SHALL BE GRAY IRON CASTINGS CONFORMING TO ASTM A48, HEAVY DUTY SOLID COVER. BOTH THE UNDERSIDE OF THE LID AND THE UPPER SURFACE OF THE LEDGE UPON WHICH THE LID REST SHALL BE MACHINED SO AS TO PREVENT THE ROCKING OF THE LID ON ITS SUPPORTING SURFACE. CASTINGS SHALL BE CLEANED AND DIPPED IN COLD TAR PITCH VARNISH AT THE FACTORY.

MANHOLE FRAMES AND COVERS SHALL WEIGH NOT LESS THAN 375 POUNDS. THE FRAMES SHALL HAVE A CLEAR OPENING OF NO LESS THAN 24-INCHES IN DIAMETER AND A HEIGHT OF 7-INCHES. COVERS SHALL HAVE STRENGTHENING RIBS ON THE UNDERSIDE AND SHALL HAVE THE WORDS "SANITARY SEWER" CAST INTO THE TOP, AFTER INSTALLATION, THE TOPS OF THE FRAMES AND COVERS SHALL BE PAINTED WITH ONE COAT OF ASPHALTUM PAINT.

FRAME AND COVER INSTALLATION:

THE MANHOLE FRAMES SHALL BE FIRMLY SET ON TOP OF THE ADJUSTING RING WITH A FULL LEVELING BED OF 1:1 CEMENT MORTAR. WHERE MANHOLES ARE LOCATED IN PAVED AREAS, THE SURFACE OF THE COVER SHALL BE MADE FLUSH WITH THE PAVEMENT SURFACE. IN UNPAVED STREETS AND ALLEYS AREAS, THE COVER SHALL BE SET NOT TO EXCEED 1-INCH ABOVE THE GROUND SURFACE. ON RIGHT-OF-WAY AND IN DITCHES, COVER ELEVATIONS SHALL BE AS APPROVED BY THE TOWNSHIP AND/OR COUNTY OR THEIR ENGINEER.

AFTER THE FRAME IS INSTALLED IN ITS FINAL POSITION, A MINIMUM 48-INCH DIAMETER STEEL CASTING RING SHALL BE PLACED, CENTERED AROUND THE FRAME, AND THE SPACE BETWEEN THE FRAME AND RING SHALL BE FILLED WITH CLASS 1 CONCRETE. THE STEEL CASING RING SHALL HAVE A HEIGHT SUCH THAT IT SHALL REST ON THE ECCENTRIC CANE SECTION AND EXTEND TO THE MID-POINT OF THE FRAME.

GENERAL WATER NOTES:

SPECIFICATIONS FOR MATERIALS:

- THE SPECIFICATIONS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (AMERICAN WATER WORKS ASSOCIATION) AND THE AMERICAN SOCIETY FOR TESTING AND MATERIALS HEREIN REFERRED TO, UNLESS OTHERWISE NOTED, SHALL BE THE LATEST SPECIFICATIONS OF THE RESPECTIVE ORGANIZATIONS AND MANUFACTURED IN THE UNITED STATES.
- PIPE SHALL BE ANSI-A21.51 (AWWA C151) DUCTILE CAST IRON WITH A MINIMUM WALL THICKNESS MEETING THE REQUIREMENTS OF ANSI A21.51, TABLE 51.4 (THICKNESS CLASS 52 FOR 4 INCH THROUGH 12 INCH) AND WRAPPED PER PRESSURE PIPE AND FITTINGS SPECIFICATION NUMBER 3. ALL PIPE SHALL BE WRAPPED IN 8 MM POLYWRAP.
- FITTINGS SHALL BE GRAY OR DUCTILE CAST IRON CONFORMING TO ANSI-A21.4 (AWWA C110) WITH A MINIMUM CLASS OF 250 OR ANSI-A21.53 (AWWA C153) AND HAVE MECHANICAL JOINT ENDS AS SPECIFIED IN ANSI-A21.11 (AWWA C111) RESTRAINT TYPE.
- ALL PIPE AND FITTINGS SHALL HAVE A CEMENT MORTAR LINING, CONFORMING TO ANSI-A21.4 (AWWA C104) AND PETROLEUM-ASPHALTIC OUTSIDE COATING.
- ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE LAID WITH A POLYETHYLENE ENCASEMENT. PIPE AND POLYETHYLENE ENCASEMENT SHALL BE INSTALLED IN ACCORDANCE WITH ANSI-A21.5 (AWWA C105).
- ALL VALVES SHALL BE OPEN LEFT VALVES.
- HYDRANTS SHALL BE LIMITED TO AMERICAN DARLING, KENNEDY OR MUELLER, MEETING AWWA SPECIFICATION C502 AND MEETING THE LOCAL FIRE DEPARTMENT SPECIFICATIONS AND STANDARDS. ALL HYDRANTS SHALL HAVE A HARRINGTON STORTZ STYLE 5" STEAMER CONNECTION ADAPTER. INSTALLATION AND PRESSURE TESTING SHALL BE AS PER AWWA C-600. DISINFECTION SHALL MEET OR EXCEED AWWA-C651.
- NO DEVIATIONS FROM THE ABOVE SPECIFICATIONS WILL BE PERMITTED. DETAILED SPECIFICATIONS CAN BE OBTAINED FROM THE WATER DEPARTMENT.

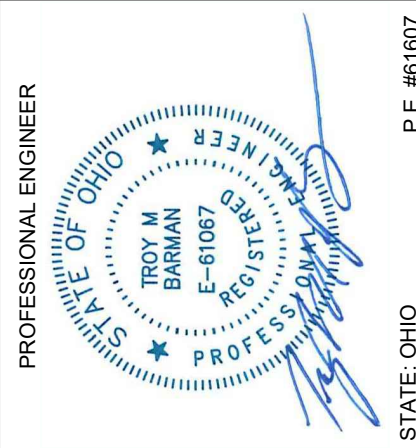
NOTE: THE OHIO ENVIRONMENTAL PROTECTION AGENCY REQUIRES A CONFORMANCE TO THE 2003 EDITION OF "TEN STATES STANDARDS", THIS STANDARD SHALL BE EQUALLED OR EXCEEDED FOR WATER LINES. SPECIAL ATTENTION SHALL BE GIVEN TO THE FOLLOWING SECTIONS OF PART 8: MATERIALS CONFORM TO AWWA STANDARDS MINIMUM 6" DIA. FIRE PROTECTION MINIMUM 5' GROUND COVER PRESSURE TESTING AWWA C-600 OR N.F.P.A. 24 * DISINFECTION AWWA C-651 * 10' HORIZONTAL SEPARATION WATER MAIN/SEWER 18" VERTICAL SEPARATION WATER MAIN/SEWER NO ENTRY AND/OR CONTACT WITH SEWER MANHOLE

ANY DEVIATION FROM THE ABOVE WILL NOT BE PERMITTED UNLESS SPECIFICALLY INCLUDED IN THE GENERAL NOTES OR OTHERWISE SHOWN ON THESE PLANS

*NOTE: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM THIS TEST PROPERLY AND THE RESPONSIBILITY FOR ADEQUATE SUPERVISION AND APPROVAL RESTS WITH THE APPROPRIATE GOVERNMENTAL AGENCY.

- ALL PIPES, FITTINGS, ETC. SHALL BE APPROPRIATELY MARKED FOR PURPOSES OF IDENTIFICATION.
- THE MANUFACTURER SHALL FURNISH AN AFFIDAVIT INDICATING THAT THE PIPE FITTINGS AND APPURTENANCES HAVE BEEN MANUFACTURED AND TESTED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE APPLICABLE REFERENCED STANDARDS. A COPY OF THE AFFIDAVIT, INDICATING THE PROJECT ON WHICH THE MATERIAL IS TO BE USED, SHALL BE FORWARDED TO THE OWNER OR THEIR ENGINEER.
- REINFORCED CONCRETE PIPE ANCHORS AND SUPPORTS (THRUST BLOCKS) SHALL BE PROVIDED AT ALL FITTINGS, VALVES OR CHANGES IN DIRECTION OF THE PIPE. THEY SHALL BE CONSTRUCTED OF CLASS 1 CONCRETE AND SHALL BE PLACED AGAINST FIRM UNDISTURBED SOIL. ALL PLUGS OR CAPS SHALL BE SECURELY STRAPPED OR BLOCKED.
- ALL PIPE INTERIORS SHALL BE CLEANED BEFORE LAYING AND SHALL BE CLEAN THEREAFTER. AFTER A MAIN HAS BEEN COMPLETED IT SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C651-86, "DISINFECTING WATER MAINS", USING THE TABLET OR CONTINUOUS FEED METHOD.
- TRENCHES WITHIN FIVE (5) FEET OF THE EDGE OF OR UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE BACKFILLED WITH APPROVED GRANULAR MATERIAL TO SUBGRADE. GRANULAR MATERIAL SHALL MEET THE GRADING REQUIREMENTS OF ITEM 304, O.D.O.T. SPECIFICATION. PIPE OUTSIDE THE LIMITS OF FIVE (5) FEET FROM THE EDGE OF THE EXISTING OR PROPOSED PAVEMENT SHALL BE BACKFILLED WITH SUITABLE EXCAVATED MATERIAL.

ST. MARYS TOWNSHIP ~ AUGLAIZE COUNTY ~ OHIO
GRAND LAKE ST. MARYS
STATE PARK
PT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E
PROPOSED SITE IMPROVEMENTS



NO.	REVISION	DRAWN BY		CHECKED BY		TOP/UTILITY		PROJECT NO.	
		DATE	MPF	DATE	TM6	MPF	30131		

APPLICATION NO.	
DATE	09/19/2025
SCALE	N/A
SHEET	3 OF 10

1.01 RELATED DOCUMENTS

1. (NOT APPLICABLE FOR THIS PROJECT)

A. SITE DEMOLITION WORK SHALL INCLUDE THE FOLLOWING:

1. UNLESS PROVIDED BY THE OWNER THE CONTRACTOR SHALL CONDUCT INSPECTIONS OF THE SITE AND BUILDING(S) FOR HAZARDOUS MATERIALS AS REQUIRED BY STATE, LOCAL AND FEDERAL LAWS AND CODES. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FOR REMOVAL AND DISPOSAL OF HAZARDOUS MATERIALS. HAZARDOUS MATERIALS SHALL BE REMOVED AND DISPOSED OF PER FEDERAL, STATE AND LOCAL REQUIREMENTS.
2. EROSION CONTROL INSTALLATION AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
3. PERIMETER CONSTRUCTION TRAFFIC PATTERN SHALL BE DETERMINED BY THE CITY ENGINEER AND CITY PLANNING DEPARTMENT.
4. PERIMETER CONSTRUCTION FENCE (6' HIGH CHAIN LINK MINIMUM OR AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS) INSTALLATION AND MAINTENANCE. CONTRACTOR SHALL PROVIDE THE OWNER WITH A KEY TO THE SITE.
5. DEMOLITION, REMOVAL AND BACKFILLING TO GRADE OF ALL (EXCEPT AS NOTED ON THE PLANS) EXISTING IMPROVEMENTS WITHIN THE DEMOLITION AREA.
6. PAY CONTRACTOR ASSOCIATED WITH THE DEMOLITION PERMIT, PAY ALL COSTS TO UTILITY COMPANIES RELATING TO CAPPING AND REMOVING SERVICE. PROVIDE ALL REQUIRED DOCUMENTATION FOR PERMITS AND UTILITY KILLS.
7. BACKFILL WITH COMPACTED ENGINEERED MATERIAL (ODOT 304 OR APPROVED EQUAL) TO FILL IN LOW AREAS CREATED BY REMOVAL OF EXISTING IMPROVEMENTS.
8. PROVIDE PROTECTIVE MEASURES TO PREVENT EROSION AND SEDIMENTATION. PROVIDE EROSION CONTROL MEASURES. CAREFUL REMOVAL FOR SALVAGE AND RE-USE, CRATING, PROTECTION AND STORE HIGHLY SENSITIVE BUILDING ELEMENTS UNTIL READY FOR RE-INSTALLATION.
9. PROCEDURES AND MEANS OF WORK SHOWN HEREON ARE MINIMUM STANDARDS. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL REGULATIONS REGARDING DEMOLITION, DISPOSAL, ALONG WITH SAFETY FOR WORKERS AND THE PUBLIC.

A. REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE UNLESS INDICATED TO BE REMOVED AND SALVAGED OR RECYCLED.

B. REMOVE AND SALVAGE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND DELIVER THEM TO OWNER.

C. EXISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED, REMOVED AND SALVAGED, OR RECYCLED.

A. HISTORIC ITEMS, RELICS, AND SIMILAR OBJECTS INCLUDING, BUT NOT LIMITED TO, CORNERSTONES AND THEIR CONTENTS, COMMEMORATIVE PLAQUES AND TABLETS, AND OTHER ITEMS OF INTEREST OR VALUE TO OWNER THAT MAY BE ENCOUNTERED DURING BUILDING DEMOLITION REMAIN OWNER'S PROPERTY. CAREFULLY REMOVE AND SALVAGE EACH ITEM OR OBJECT IN A MANNER TO PREVENT DAMAGE AND DELIVER PROMPTLY TO OWNER. WHEN IN DOUBT CHECK WITH OWNER BEFORE PROCEEDING WITH REMOVAL.

A. QUALIFICATION DATA: FOR DEMOLITION FIRM.

B. MEASUREMENTS AND LOCATION INFORMATION: PROVIDE THE FOLLOWING MEASURES: SUBMIT STATEMENT OR DRAWING THAT INDICATES THE MEASURES PROPOSED FOR USE, PROPOSED LOCATIONS, AND PROPOSED TIME FRAME FOR THEIR OPERATION. IDENTIFY OPTIONS IF PROPOSED MEASURES ARE LATER DETERMINED TO BE INADEQUATE.

C. BUILDING DEMOLITION ACTIVITIES: INDICATE THE

1. DETAILED SEQUENCE OF DEMOLITION AND REMOVAL WORK, WITH STARTING AND ENDING DATES FOR EACH ACTIVITY.

2. INTERRUPTION OF UTILITY SERVICES.

3. COORDINATION FOR CR-STOP, CAPPING, AND CONTINUATION OF UTILITY SERVICES.

4. LOCATIONS OF TEMPORARY PROTECTION.

D. INVENTORY: AFTER BUILDING DEMOLITION IS COMPLETE, SUBMIT A LIST OF ITEMS THAT HAVE BEEN REMOVED AND SALVAGED. PROVIDE DRAWING INDICATING WHICH ITEMS ARE STOCKPILED AND IDENTIFICATION OF EACH GRATE.

1. SALVAGE FOR OWNER'S USE: NOT APPLICABLE.

E. PREDEMOLITION PHOTOGRAPHS: CAREFULLY SHOW EXTERIOR, EXISTING CONDITIONS FROM DIFFERENT VANTAGE POINTS OF VIEW. INCLUDE PHOTOGRAPHS OF INTERIOR FINISHES, INCLUDING FINISH SURFACES THAT MIGHT BE MISCONSTRUCTED AS DAMAGE CAUSED BY BUILDING DEMOLITION OPERATIONS.

A. DEMOLITION FIRM QUALIFICATIONS: AN EXPERIENCED FIRM THAT HAS SPECIALIZED IN DEMOLITION WORK SIMILAR IN MATERIAL, ORIGIN, SIZE AND COMPLEXITY TO THE PROJECT.

B. REGULATORY REQUIREMENTS: COMPLY WITH COVERING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING DEMOLITION.

C. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION. COMPLY WITH INDUSTRY SAFETY STANDARDS.

D. STANDARDS: COMPLY WITH ANSII A10.6 AND NFPA 241 AND ALL FEDERAL, STATE AND LOCAL REGULATIONS.

E. COMPLY WITH REGULATIONS CONCERNING THE SHUTTING DOWN AND REMOVAL OF SERVICE LINES.

F. PREDICTION CONSULTATION: DEMOLITION CONTRACTOR TO CONDUCT CONFERENCE AT PROJECT SITE WITH OWNER, ARCHITECT AND ENGINEER BEFORE PROCEEDING.

G. INSPECT AND DISCUSS CONDITION OF CONSTRUCTION TO BE DEMOLISHED.

1. REVIEW TRAFFIC PATTERNS AND CONTROLS.

2. REVIEW AND FINALIZE BUILDING DEMOLITION SCHEDULE AND VERIFY AVAILABILITY OF DEMOLITION PERSONNEL, EQUIPMENT, AND FACILITIES NEEDED TO MAKE PROGRESS AND AVOID DELAYS.

3. REVIEW AND FINALIZE PROTECTION REQUIREMENTS.

4. REVIEW PROCEDURE AND SCHEDULES FOR UTILITY REMOVALS.

5. REVIEW SALVAGE PROCEDURES, PACKAGING, TRANSPORTING AND STORAGE SPACES.

A. OWNER ASSUMES NO RESPONSIBILITY FOR BUILDINGS TO BE DEMOLISHED.

1. CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSE WILL BE MAINTAINED BY OWNER AS FAR AS PRACTICAL.

B. BEFORE BUILDING DEMOLITION, THE OWNER OR OTHER CONTRACTOR WILL REMOVE ITEMS LISTED BELOW:

C. HAZARDOUS MATERIALS:

1. CONTRACTOR TO DETERMINE HAZARDOUS MATERIALS ON SITE AND THE PROPER DEMOLITION PRACTICES REQUIRED TO HANDLE AND DISPOSE OF THE MATERIALS.

2. CONTRACTOR TO DETERMINE EXISTING LEAD PAINT LEVEL WITHIN PROPOSED DEMOLITION SITE AND AN APPROPRIATE LEVEL OF LEAD AWARENESS TRAINING PER OSHA REGULATIONS. DEMOLITION CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS REGARDING THE EXISTING LEAD HAZARD.

D. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE IS NOT PERMITTED.

E. CONTRACTOR SHALL NOTIFY ENGINEER AND OWNER A MINIMUM OF 2 WEEKS PRIOR TO COMMENCING WORK OF REQUIRED REMOVAL OF THE DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE DEMOLITION WORK. CONTRACTOR SHALL FENCE AREA OFF AS NECESSARY AND REMOVE FENCE WHEN AREA IS NO LONGER NEEDED.

2.01 SOIL MATERIALS

- GENERAL: PROVIDE BORROW SOIL MATERIALS WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE FROM SATISFACTORY SITES. FILL TO CONTAIN ANY NON-ORGANIC OR NON-EXPANSIVE SOILS. SOILS FREE OF ORGANIC MATTER, EXCESSIVE MOISTURE, CONTAMINATION AND ROCK OR STONE FRAGMENTS WITH TOP SIZE OF 3" MAY BE UTILIZED IN THE FILL. THE FOLLOWING GROUPS ARE THE GROUPS GC, SC, CL, ML, OL, CH, MH, OH, AND PT ACCORDING TO ASTM D 2487, OR A COMBINATION OF THESE GROUPS:
- UNSATISFACTORY SOILS ALSO INCLUDE SATISFACTORY SOILS NOT MAINTAINED WITHIN 2 PERCENT OF OPTIMUM MOISTURE.
- ENGINEERED FILL: FILL SHALL BE IMPORTED BORROW OR QUARRY PROCESSED AGGREGATE, ODOT 304 LIMESTONE SCREENINGS OR BANK RUN GRAVEL WITH SIMILAR (304) GRADATION. CRUSHED CONCRETE SHALL NOT BE USED.
- STABILIZED FILL: FILL SHALL BE A FUTURE BUILDUP OF FILL TO BE USED FOR FUTURE BUILDABLE SITE. THE TOP ONE FOOT TO CONSIST OF NINE INCHES OF CLEAN SOIL AND THREE INCHES OF TOPSOIL.

3.01 EXAMINATION

- REVIEW PROJECT DOCUMENTS OF EXISTING CONSTRUCTION. OWNER DOES NOT GUARANTEE THAT EXISTING CONDITIONS ARE THE SAME AS THOSE INDICATED IN PROJECT DOCUMENTS.

- THE CONTRACTOR SHALL PERFORM AN ENGINEERING SURVEY OF CONDITION OF BUILDING TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF STRUCTURE DURING BUILDING DEMOLITION OPERATIONS.
- THE CONTRACTOR SHALL DEVELOP AND SUBMIT A WRITTEN PLAN FOR THE HANDLING AND DISPOSAL OF HAZARDOUS MATERIALS IDENTIFIED DURING DEMOLITION OPERATIONS.
- THE CONTRACTOR SHALL MAINTAIN RECORDS OF THE CONDITION OF ITEMS TO BE REMOVED AND SALVAGED. ITEMS NOT LISTED HEREIN AND REQUIRED BY OWNER TO BE SALVAGED SHALL BE TAGGED BY OWNER PRIOR TO DEMOLITION.

A. EXISTING UTILITIES: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITIES SERVING BUILDINGS AND STRUCTURES TO BE DEMOLISHED.

1. ARRANGE TO SHUT OFF INDICATED UTILITIES WITH UTILITY COMPANIES AND FOLLOW ALL COMPANY OR AGENCY REQUIREMENTS.
2. IF UTILITY SERVICES ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, BEFORE PROCEEDING WITH BUILDING DEMOLITION PROVIDE TEMPORARY UTILITIES THAT BYPASS BUILDINGS AND STRUCTURES TO BE DEMOLISHED AND THAT MAINTAIN THE MINIMUM FUNCTIONALITY OF THE BUILDING.
3. ALL UNDERGROUND UTILITIES SHALL BE COMPLETELY REMOVED. ALL WRE REMOVED FROM CONDUIT.
4. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING.
5. TEMPORARY SHORING: PROVIDE AND MAINTAIN INTERIOR AND EXTERIOR SHORING, BRACING, OR STRUCTURAL SUPPORT TO MAINTAIN STABILITY AND PREVENT UNEXPECTED MOVEMENT OR COLLAPSE OF BUILDING BEING DEMOLISHED.
6. 1. STRENGTHEN OR ADD NEW SUPPORTS WHEN REQUIRED DURING PROGRESS OF DEMOLITION.
7. PEST CONTROL: BEFORE DEMOLITION WORK IS STARTED, RETAIN A LOCAL EXTERMINATOR OR PEST-CONTROL COMPANY TO RECOMMEND PRACTICES TO MINIMIZE ATTRACTION AND HARBORING OF RODENTS, ROACHES, AND OTHER PESTS AND THEIR RESIDUES. ENGAGE THIS PEST-CONTROL SERVICE TO PERFORM EXTERMINATION AND CONTROL PROCEDURES BEFORE START OF DEMOLITION. DISSEMINATE AND DISSEMINATE TO ALL PERSONNEL AND TO THEIR RESIDENTS TO DEMOLITION COMPLETION. PERFORM CONTROL OPERATIONS LAWFULLY, USING ENVIRONMENTALLY SAFE MATERIALS.
8. TEMPORARY ENCLOSURE FENCE: THE DEMOLITION CONTRACTOR SHALL INSTALL A 6' TEMPORARY ENCLOSURE FENCE WITH APPROPRIATELY SIZED, LOCKABLE, ACCESS GATES. THE TEMPORARY FENCE TO BE ERCTED AROUND LIMITS OF DEMOLITION, OR AS REQUIRED. PROVIDE SIGNAGE AS NEEDED INDICATING SIDEWALK IS CLOSED AND DIRECTING PEDESTRIANS TO OPPOSITE SIDEWALK. DEMOLITION CONTRACTOR SHALL INSPECT AND MAINTAIN TEMPORARY FENCING WHILE UNDER CONTRACT WITH THE OWNER.
9. MAINTAIN SECURITY BY LIMITING NUMBER OF KEYS AND RESTRICTING DISTRIBUTION TO AUTHORIZED PERSONNEL. PROVIDE THE OWNER WITH ONE SET OF KEYS FOR THE CONTRACTOR'S PADLOCKS.
10. STORMWATER CONTROL: PROVIDE PROPERLY INSTALLED SILT FENCING BARRIERS IN AND AROUND EXCAVATIONS AND NEAR EXCAVATIONS. PROVIDE SUFFICIENTLY SLOPED AND STABILIZED EROSION CONTROL MEASURES TO PREVENT RUNOFF OF DEBRIS IN STORMWATER FROM HEAVY RAINS. INSTALL NEXT TO AND SEPARATE FROM PERIMETER FENCING.

A. EXISTING FACILITIES: PROTECT ADJACENT STREETS, WALKWAYS, FENCES AND OTHER BUILDING FACILITIES DURING DEMOLITION OPERATIONS.

- EXISTING UTILITIES: MAINTAIN UTILITY SERVICES INDICATED TO REMAIN AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
1. DO NOT INTERRUPT EXISTING UTILITIES SERVING ADJACENT PROPERTIES UNLESS AUTHORIZED IN WRITING BY OWNER AND AUTHORITIES HAVING JURISDICTION. PROTECT EXISTING STORM, SANITARY AND WATER AND UTILITY LINES, INCLUDING WATER MAINS, STRUCTURES AND STRUCTURES WITHIN THE ADJACENT RIGHT-OF-WAY, ALLEY AND/OR EASEMENTS AS APPLICABLE DURING DEMOLITION OPERATIONS. IMMEDIATELY REPAIR ANY DAMAGE TO THESE EXISTING UTILITIES THAT ARE TO REMAIN DURING DEMOLITION OPERATIONS.
 2. COMPLY WITH OSHA AND LOCAL JURISDICTION REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL FOR ALL EXISTING STORM SEWER SYSTEMS THAT REMAIN. TAKE PRECAUTIONS TO SITE THAT MAY BE AFFECTED BY DEMOLITION OPERATIONS. MAINTAIN CONTROLS DURING ALL DEMOLITION OPERATIONS.
 3. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO OWNER AND TO AUTHORITIES HAVING JURISDICTION.
- TEMPORARY PROTECTION: ERECT TEMPORARY PROTECTION, SUCH AS WALKS, FENCES, RAILINGS, WHERE REQUIRED BY AUTHORITIES HAVING JURISDICTION OR IF INDICATED.
1. PROVIDE EXISTING SITE IMPROVEMENTS, PLANTINGS, AND LANDSCAPING TO REMAIN.
 2. ERECT A PLAINLY VISIBLE FENCE AROUND DRIP LINE OF INDIVIDUAL TREES OR AROUND PERIMETER DRIP LINE OF GROUPS OF TREES TO REMAIN.
 3. PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN.
 4. PROVIDE PROTECTION TO ENSURE SAFE PASSAGE OF PEDESTRIANS AND VEHICLES AROUND DEMOLITION AREA.

A. GENERAL: DEMOLISH INDICATED BUILDING AND SITE IMPROVEMENTS COMPLETELY. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS FOLLOWS:

1. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. MAINTAIN PORTABLE FIRE-SUPPRESSION DEVICES DURING FLAME-CUTTING OPERATIONS.
 2. MAINTAIN ADEQUATE VENTILATION WHEN USING CUTTING TORCHES.
 3. LOCATE BUILDING DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR FRAMING.
- ENGINEERING SURVEYS: PERFORM SURVEYS AS THE WORK PROGRESSES TO DETECT HAZARDS THAT MAY RESULT FROM BUILDING DEMOLITION ACTIVITIES.
1. SITE ACCESS AND TEMPORARY CORROIDERS: CONDUCT BUILDING DEMOLITION AND DEBRIS-REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
 1. DO NOT CUT OR OBSTRUCT STREETS, WALKS, WALKWAYS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. NOTIFY LOCAL JURISDICTION, IN WRITING, WITH ADVANCE NOTICE AS REQUIRED BY THE LOCAL AUTHORITY OF REQUIRED LAINE CLOSURES AND 2 WEEKS IN ADVANCE OF REQUIRED STREET CLOSURES. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC.
 2. WATER MIST AND OTHER SUITABLE METHODS TO LIMIT SPREAD OF DUST AND DIRT DURING BOTH THE DEMOLITION OPERATIONS AND THE BACKFILL AND GRADING OPERATIONS. COMPLY WITH GOVERNING ENVIRONMENTAL-PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT MAY DAMAGE ADJACENT CONSTRUCTION OR CREATE HAZARDOUS OR OBSCURELY HAZARDOUS CONDITIONS. DUST AND POLLUTION. CONTRACTOR TO MAKE ARRANGEMENTS WITH THE LOCAL WATER UTILITY OWNER FOR USE OF WATER HYDRANT; CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH HYDRANT WATER USE.
 3. IF WATER MIST OR OTHER DUST CONTROL MEASURES FAIL TO KEEP DUST CONTAINED DUE TO WIND AND WIND GUSTS, STOP ALL PRODUING DUSTING DEMOLITION OPERATIONS UNTL FAVORABLE WIND CONDITIONS ARE EXPECTED.
 4. KEEP ADJACENT STREETS FREE OF MUD, DIRT AND DEBRIS.
 5. PROTECT PAVED CURBS AND WALKS FROM DAMAGE BY TRUCKS AND DEMOLITION EQUIPMENT/ACTIVITY.

A. PROCEED WITH DEMOLITION OF STRUCTURAL FRAMING MEMBERS SYSTEMATICALLY, FROM HIGHER TO LOWER LEVEL. COMPLETE BUILDING DEMOLITION OPERATIONS ABOVE EACH FLOOR OR TIER BEFORE DISTURBING SUPPORTING MEMBERS ON THE NEXT

- REMOVE DEBRIS FROM ELEVATED PORTIONS BY CHUTE, HOIST, OR OTHER DEVICE THAT WILL CONVEY DEBRIS TO GRADE LEVEL OR TO A CONTROLLED DESCENT.
- CONCRETE: CUT CONCRETE FULL DEPTH AT JUNCTURES WITH CONSTRUCTION INDICATED TO REMAIN, USING POWER-DRIVEN SAW, THEN REMOVE CONCRETE BETWEEN SAW CUTS.
- MASONRY: CUT MASONRY AT JUNCTURES WITH CONSTRUCTION INDICATED TO REMAIN, USING POWER-DRIVEN SAW, THEN REMOVE MASONRY BETWEEN SAW CUTS.
- CONCRETE SLABS-ON-GRADE: IF PORTION IS INDICATED TO REMAIN, SAW-CUT PERIMETER OF AREA TO BE DEMOLISHED AT JUNCTURES WITH CONSTRUCTION INDICATED TO REMAIN, THEN BREAK UP AND REMOVE.
- DEMOLITION OF BELOW-GRADE STRUCTURES:
1. COMPLETELY REMOVE ALL BELOW-GRADE STRUCTURES, FOOTINGS, FOUNDATIONS AND UTILITIES
2. BACKFILL AND COMPACT AREAS TO PROPOSED GRADE.

- SIDEWALKS AND PAVING
1. REMOVE SIDEWALKS AND STONE BASE TO EARTH SUBGRADE.
 2. REMOVE CONCRETE AND ASPHALT PAVING AND STONE BASE TO EARTH SUBGRADE.
- FENCES, BARRIERS AND MISCELLANEOUS SITE ITEMS: COMPLETELY REMOVE INCLUDING CONCRETE OR STONE FOUNDATIONS.
- PLANT MATERIAL: DEMOLISH AND REMOVE PLANT MATERIAL DESIGNATED TO BE REMOVED INCLUDING ROOT BALLS AND ROOT STRUCTURE TO A DEPTH 3' BELOW PROPOSED GRADES.

A. STOCKPILE BORROW SOIL MATERIALS AND EXCAVATED SATISFACTORY SOIL MATERIALS WITHOUT INTERMIXING. PLACE, GRADE AND SHAPE STOCKPILES TO DRAIN SURFACE WATER. COVER TO PREVENT WINDBLOWN DUST.

- SITE RESTORATION**
- BELOW-GRADE AREAS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM BUILDING, SITE, AND UTILITY DEMOLITION OPERATIONS WITH ENGINEERED BACKFILL. PLACE FILL IN LIFTS 6" TO 8" THICK, LOOSE MEASURE, COMPACTING EACH LAYER. COMPACTION SHALL BE TESTED BY AN INDEPENDENT QUALIFIED SOILS ENGINEER EMPLOYED BY THE OWNER. ALL BACKFILL SHALL BE KEYED INTO AND SCARIFIED SUBGRADE SOILS.
1. SHALL BE NOT LESS THAN 95% OF MAXIMUM DRY DENSITY AS ESTABLISHED BY ASTM D 1557.
- BACKFILL WITH ENGINEERED FILL.
- RECONSTRUCT SUBGRADES DAMAGED BY FREEZING TEMPERATURES, FROST, RAIN, ACCUMULATED WATER, OR DEMOLITION ACTIVITIES, AS DIRECTED BY ENGINEER OR ARCHITECT, WITHOUT ADDITIONAL COMPENSATION.
- SITE GRADING: UNIFORMLY ROUGH GRADE AREA OF DEMOLISHED CONSTRUCTION TO A SMOOTH SURFACE, FREE FROM IRREGULAR SURFACE CHANGES. PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADERS AND NEW GRADERS.

A. FLOW, SCARIFY, BENCH, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING MATERIAL.

- PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED ELEVATIONS AS FOLLOWS:
1. USE ENGINEERED FILL MATERIAL AND COMPACT IN LIFTS.

1. DO NOT PLACE BACKFILL OR FILL SOIL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN, OR CONTAIN FROST OR ICE.

2. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, OTHERWISE SATISFACTORY SOIL MATERIAL THAT EXCEEDS OPTIMUM MOISTURE CONTENT BY 3 PERCENT AND IS TOO WET TO COMPACT TO SPECIFIED DRY UNIT WEIGHT.

A. GENERAL: PROMPTLY REPAIR DAMAGE TO ADJACENT PROPERTIES CAUSED BY BUILDING DEMOLITION OPERATIONS.

- WHERE REPAIRS TO EXISTING SURFACES ARE REQUIRED, PATCH TO PRODUCE SURFACES SUITABLE FOR NEW MATERIALS.
RESTORE EXPOSED FINISHES OF PATCHES AREAS AND EXTEND RESTORATION INTO ADJOINING PROPERTIES IN A MANNER THAT
ELIMINATES EVIDENCE OF PATCHING AND REFINISHING.

A. GENERAL: EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE RECYCLED, REUSED, SALVAGED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN OWNER'S PROPERTY, REMOVE DEMOLISHED MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN A MANNER AND UNDER APPROPERATE PERMITS.

- THEM IN AN EPA AND OWNER APPROVED LANDFILL.
1. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
 2. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
 3. REVENUES AND OTHER INCENTIVES RECEIVED FOR BUILDING DEMOLITION MATERIALS OR PRODUCTS REMOVED FROM BUILDING SHALL ACCRUE TO CONTRACTOR.
- BURNING: DO NOT BURN DEMOLISHED MATERIALS
- DISPOSAL: TRANSPORT DEMOLISHED MATERIALS OFF OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM.

1. CLEAN SALVAGED ITEMS OF DIRT AND DEMOLITION DEBRIS, REMOVE MORTAR.
2. PACK OR CRATE SMALL ITEMS AFTER CLEANING. IDENTIFY CONTENTS OF CONTAINERS

2. CRATES OR PALLETS SHALL BE CLEANED TO REMOVE CONTENTS OF CONTAINERS.
3. PROTECT ITEMS FROM DAMAGE DURING TRANSPORT AND STORAGE.
4. PROTECT PIECES FROM RUBBING TOGETHER BY PLACING FOM PLASTIC BETWEEN PIECES AND STRAP TO SECURE TO PREVENT MOVEMENT. COVER ITEMS TO PROTECT FROM WATER AND ICE DAMAGE. THEY SHALL BE DELIVERED TO THE OWNER'S DESIGNATED STORAGE AREA.
5. CRATES SHALL BE CONSTRUCTED OF WHITE PINE, POPLAR OR YELLOW PINE WOOD AND PLYWOOD WHICH DO NOT CONTAIN EXCESSIVE AMOUNTS OF RESIN. FOM PLASTIC SHALL BE NON-STAINING TYPE.

A. AFTER COMPLETION OF DEMOLITION THE CONTRACTOR SHALL CLEAN ADJACENT STORM STRUCTURES, PAVEMENT AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY BUILDING DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE BUILDING DEMOLITION OPERATIONS BEGAN.

ST. MARYS TOWNSHIP ~ AUGLAIZE COUNTY ~ OHIO		APPLICATION NO.	
GRAND LAKE ST. MARYS		DATE	09/19/2025
STATE PARK		SCALE	N/A
PT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E		SHEET	4 OF 10
PROPOSED SITE IMPROVEMENTS			
No.	REVISION	CHKD BY	DRAWN BY
		WPF	
		CHECKED BY	
		TMB	
		TOPOUTILITY	
		WPF	
		PROJECT NO.	
		30131	

STATE OF OHIO

PROFESSIONAL ENGINEER

VERDANTAS

219 SOUTH ERIE STREET

TOLEDO, OHIO 43604-8607

TEL. 419.385.2018

PAUL A. BISHAM

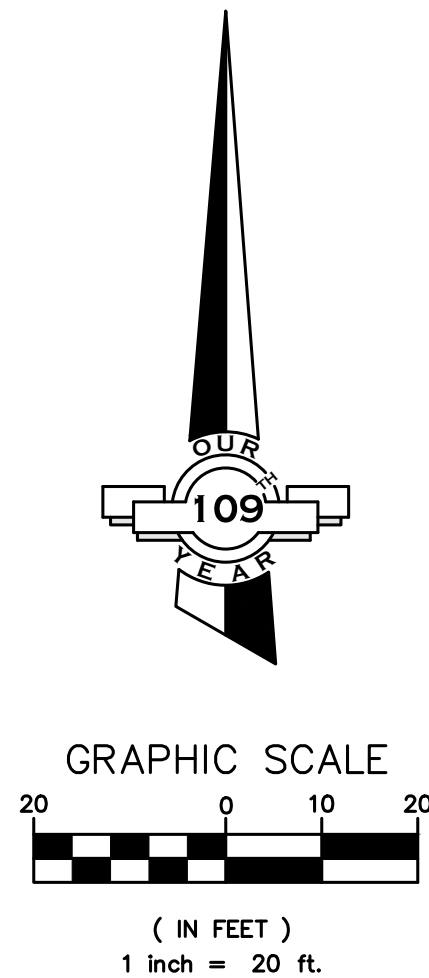
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REGISTERED PROFESSIONAL ENGINEER

STATE OHIO

P.E. #61607

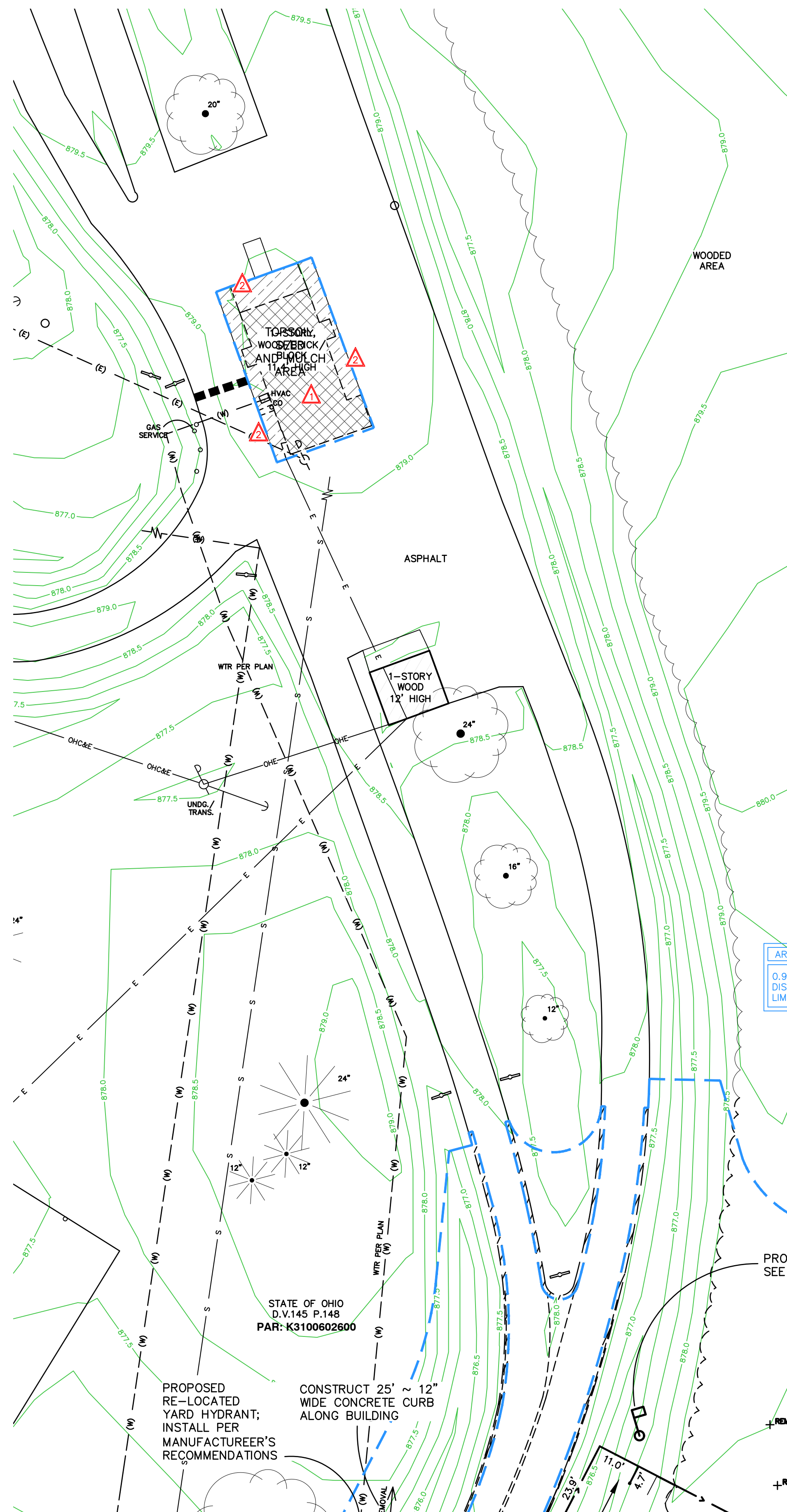
ELECTRIC	_____	E
ELECTRIC REMOVAL	_____ (E) _____	
GAS	_____	G
SANITARY	_____	S
STORM	_____	>
WATER	_____	W
WATER REMOVAL	_____ (W) _____	
FENCE	_____	X
OVERHEAD TELEPHONE	_____ OHT _____	
OVERHEAD ELECTRIC	_____ OHE _____	
OVERHEAD CABLE & ELECTRIC	_____ OHCAE _____	
CATCH BASIN		
CURB INLET		
MANHOLE		
YARD BASIN		
HYDRANT		
VALVE		
POWER POLE		
GUY WIRE		
LIGHT LIGHT		
POWER POLE/YARD LIGHT		
BOLLARD		
CLEANOUT		
FLOOD LIGHT		
MAILBOX		
METER		
ID SIGN		
SIGN		
TELEPHONE PEDESTAL		
UTILITY TAP		
TREE - CONIFEROUS		
TREE - DECIDUOUS		
END OF UTILITY MARKOUT		
REMOVE BUILDING, INCLUDING FOUNDATION, WALLS & FLOOR SLABS		
REMOVE CONCRETE WALK / PAVEMENT		
REMOVE ASPHALT PAVEMENT		



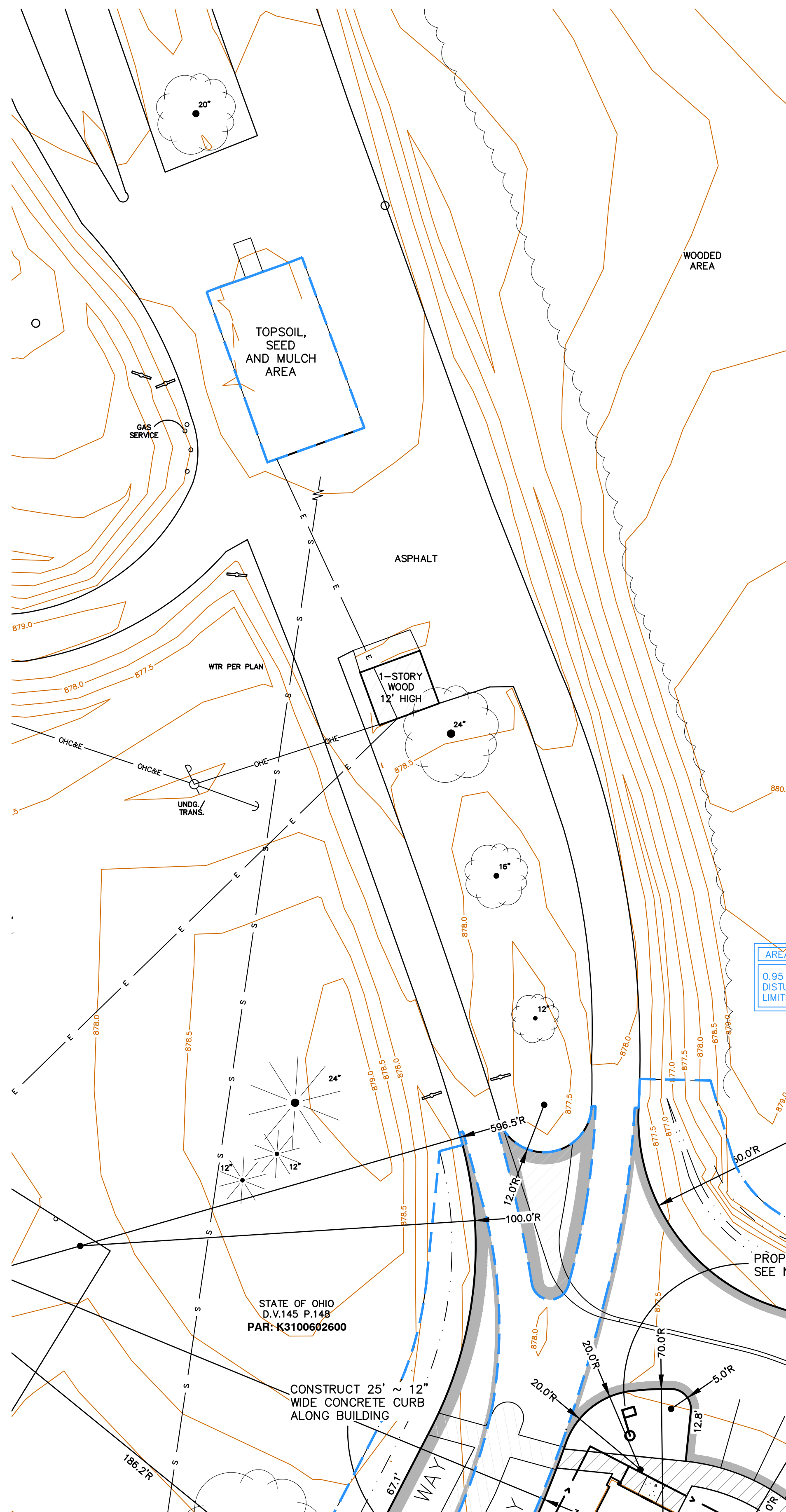
1	REMOVE EXISTING BUILDING AND FOUNDATION; KILL ALL UTILITY CONNECTIONS AT MAIN LINE
2	REMOVE EXISTING CONCRETE WALK/PAD

NOTE: ALL REMOVALS SHALL BE DISPOSED OF PROPERLY. BACKFILL UNDER OR WITHIN 5' OF PAVEMENT AND/OR SIDEWALK SHALL BE PREMIUM BACKFILL. BACKFILL UNDER OR WITHIN 5' OF PROPOSED STRUCTURE SHALL BE AS DIRECTED BY THE ARCHITECT. ALL OTHER AREAS SHALL BE BACKFILLED WITH CLEAN SUITABLE MATERIAL.

BM
CROSS CUT IN SANITARY MANHOLE
#1, NORTH SIDE OF EXECUTIVE
PARKWAY, 25'± EAST OF SOUTHWEST
PROPERTY CORNER
ELEVATION621.66 NAVD88
LE FB 51674

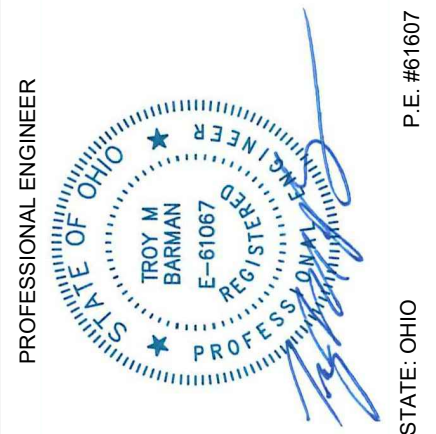


NOTE: ALL REMOVALS SHALL BE DISPOSED OF PROPERLY. BACKFILL UNDER OR WITHIN 5' OF PROPOSED PAVEMENT AND/OR SIDEWALK SHALL BE COMPACTED PREMIUM BACKFILL, MAXIMUM 6" LIFTS. BACKFILL UNDER OR WITHIN 5' OF PROPOSED STRUCTURE SHALL BE AS DIRECTED BY THE ARCHITECT. ALL OTHER AREAS SHALL BE BACKFILLED WITH CLEAN SUITABLE MATERIAL.



verdantas

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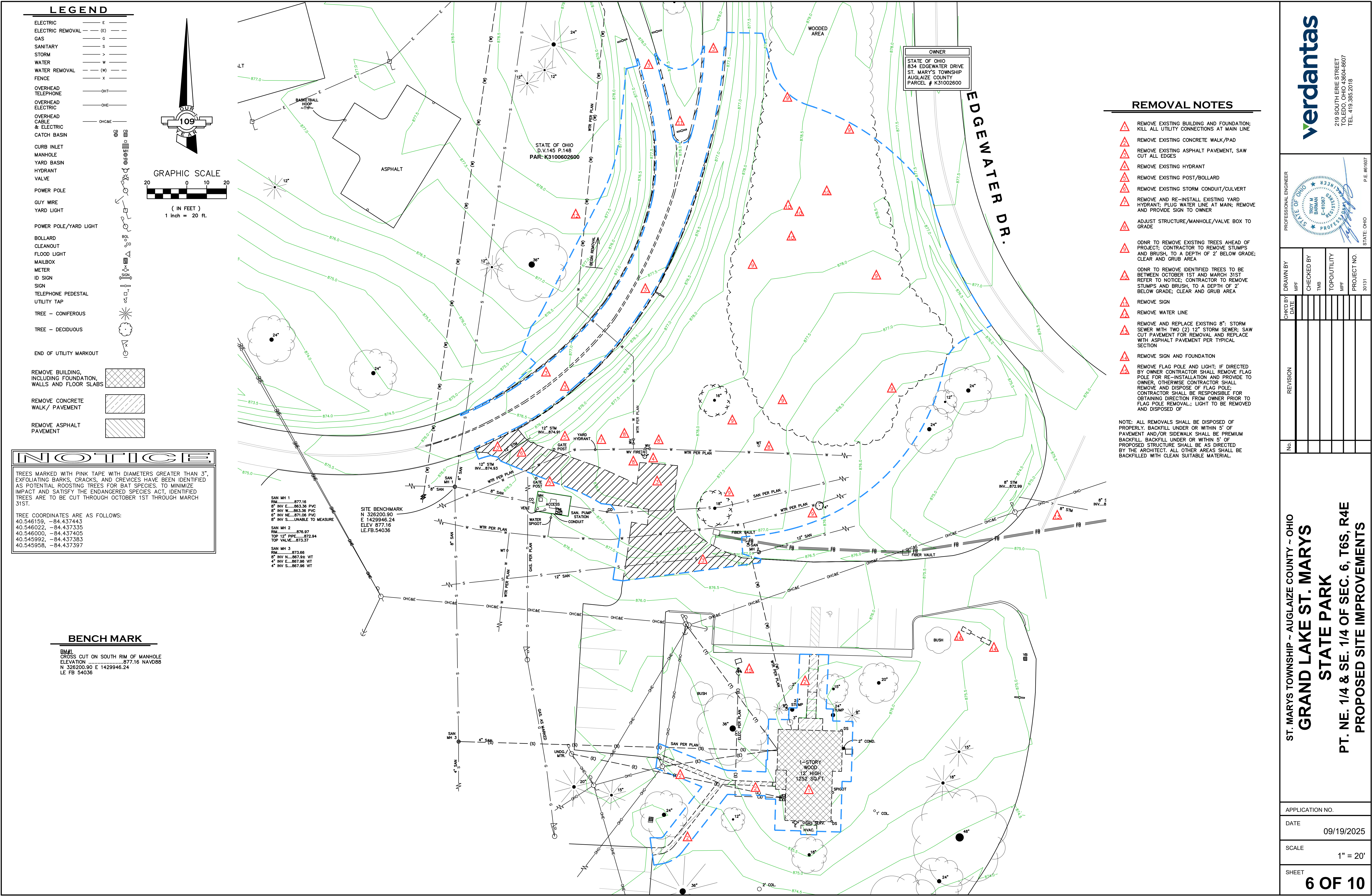


No.	REVISION	CHK'D BY DATE	DRAWN BY MPF
			CHECKED BY TMB
			TOP/UTILITY
			MPF
			PROJECT NO.
			30131

ST. MARYS TOWNSHIP ~ AUGLAIZE COUNTY ~ OHIO
GRAND LAKE ST. MARYS
STATE PARK
PPT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E
PROPOSED SITE IMPROVEMENTS

APPLICATION NO.
DATE 09/19/2025
SCALE 1" = 20'
SHEET 5 OF 10

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LEGEND

- ELECTRIC E
- ELECTRIC REMOVAL (E)
- GAS G
- SANITARY S
- STORM >
- WATER W
- WATER REMOVAL (W)
- FENCE X
- OVERHEAD TELEPHONE OHT
- OVERHEAD ELECTRIC OHE
- OVERHEAD CABLE & ELECTRIC OHC&E
- CATCH BASIN
- CURB INLET
- MANHOLE
- YARD BASIN
- HYDRANT
- VALVE
- POWER POLE
- GUY WIRE
- YARD LIGHT
- POWER POLE/YARD LIGHT
- BOLLARD
- CLEANOUT
- FLOOD LIGHT
- MAILBOX
- METER
- ID SIGN
- SIGN
- TELEPHONE PEDESTAL
- UTILITY TAP
- TREE - CONIFEROUS
- TREE - DECIDUOUS
- END OF UTILITY MARKOUT

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

NOTICE

TREES MARKED WITH PINK TAPE WITH DIAMETERS GREATER THAN 3", EXFOLIATING BARKS, CRACKS, AND CREVICES HAVE BEEN IDENTIFIED AS POTENTIAL ROOSTING TREES FOR BAT SPECIES. TO MINIMIZE IMPACT AND SATISFY THE ENDANGERED SPECIES ACT, IDENTIFIED TREES ARE TO BE CUT THROUGH OCTOBER 1ST THROUGH MARCH 31ST.

TREE COORDINATES ARE AS FOLLOWS:
40.546159, -84.437443
40.546022, -84.437335
40.546000, -84.437405
40.545992, -84.437383
40.545958, -84.437397

BENCH MARK

BM#1
CROSS CUT ON SOUTH RIM OF MANHOLE
ELEVATION877.16 NAVD88
N 326200.90 E 1429946.24
LE FB 54036

REMOVAL NOTES

- REMOVE EXISTING BUILDING AND FOUNDATION; KILL ALL UTILITY CONNECTIONS AT MAIN LINE
- REMOVE EXISTING CONCRETE WALK/PAD
- REMOVE EXISTING ASPHALT PAVEMENT, SAW CUT ALL EDGES
- REMOVE EXISTING HYDRANT
- REMOVE EXISTING POST/BOLLARD
- REMOVE EXISTING STORM CONDUIT/CULVERT
- REMOVE AND RE-INSTALL EXISTING YARD HYDRANT; PLUG WATER LINE AT MAIN; REMOVE AND PROVIDE SIGN TO OWNER
- ADJUST STRUCTURE/MANHOLE/VALVE BOX TO GRADE
- ODNR TO REMOVE EXISTING TREES AHEAD OF PROJECT; CONTRACTOR TO REMOVE STUMPS AND BRUSH, TO A DEPTH OF 2' BELOW GRADE; CLEAR AND GRUB AREA
- ODNR TO REMOVE IDENTIFIED TREES TO BE BETWEEN OCTOBER 1ST AND MARCH 31ST REFER TO NOTICE; CONTRACTOR TO REMOVE STUMPS AND BRUSH, TO A DEPTH OF 2' BELOW GRADE; CLEAR AND GRUB AREA
- REMOVE SIGN
- REMOVE WATER LINE
- REMOVE AND REPLACE EXISTING 8" STORM SEWER WITH TWO (2) 12" STORM SEWER; SAW CUT PAVEMENT FOR REMOVAL AND REPLACE WITH ASPHALT PAVEMENT PER TYPICAL SECTION
- REMOVE SIGN AND FOUNDATION
- REMOVE FLAG POLE AND LIGHT; IF DIRECTED BY OWNER CONTRACTOR SHALL REMOVE FLAG POLE FOR RE-INSTALLATION AND PROVIDE TO OWNER; OTHERWISE CONTRACTOR SHALL REMOVE AND DISPOSE OF FLAG POLE; CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING DIRECTION FROM OWNER PRIOR TO FLAG POLE REMOVAL; LIGHT TO BE REMOVED AND DISPOSED OF

NOTE: ALL REMOVALS SHALL BE DISPOSED OF PROPERLY. BACKFILL UNDER OR WITHIN 5' OF PAVEMENT AND/OR SIDEWALK SHALL BE PREMIUM BACKFILL. BACKFILL UNDER OR WITHIN 5' OF PROPOSED STRUCTURE SHALL BE AS DIRECTED BY THE ARCHITECT. ALL OTHER AREAS SHALL BE BACKFILLED WITH CLEAN SUITABLE MATERIAL.

verdantas

219 SOUTH ERIE STREET
TOLEDO, OHIO 43604-8607
TEL. 419.385.2018

PROFESSIONAL ENGINEER

DRAWN BY

CHKD BY

REVISION

No.

ST. MARYS TOWNSHIP ~ AUGLAIZE COUNTY ~ OHIO

GRAND LAKE ST. MARYS

STATE PARK

PT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E

PROPOSED SITE IMPROVEMENTS

APPLICATION NO.

DATE 09/19/2025

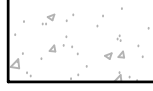
SCALE 1" = 20'

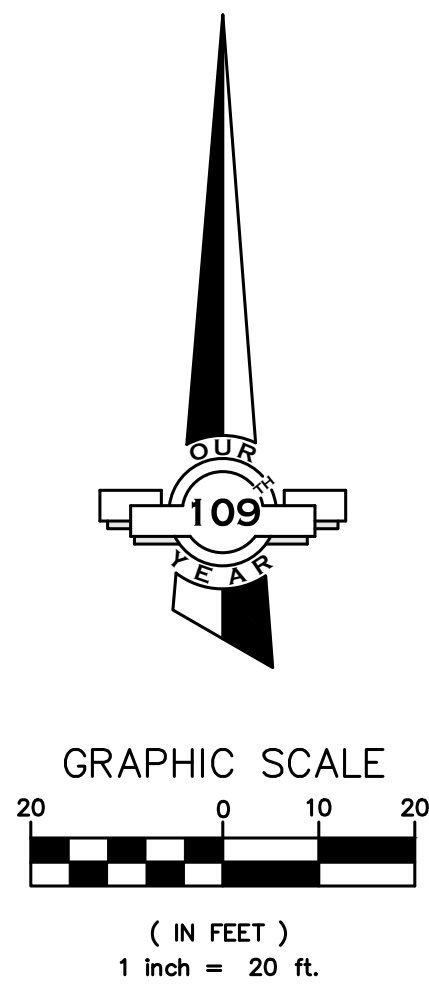
SHEET 6 OF 10

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LEGEND

ELECTRIC	E
ELECTRIC REMOVAL	(E)
GAS	G
SANITARY	S
STORM	>
WATER	W
WATER REMOVAL	(W)
FENCE	X
OVERHEAD TELEPHONE	OHT
OVERHEAD ELECTRIC	OHE
OVERHEAD CABLE & ELECTRIC	OHC&E
CATCH BASIN	
CURB INLET	
MANHOLE	
YARD BASIN	
HYDRANT	
VALVE	
POWER POLE	
GUY WIRE	
YARD LIGHT	
POWER POLE/YARD LIGHT	
BOLLARD	
CLEANOUT	
FLOOD LIGHT	
MAILBOX	
METER	
ID SIGN	
SIGN	
TELEPHONE PEDESTAL	
UTILITY TAP	
TREE - CONIFEROUS	
TREE - DECIDUOUS	
END OF UTILITY MARKOUT	

PROPOSED ASPHALT PAVEMENT	
PROPOSED CONCRETE SIDEWALK/APPROACH	



BENCH MARK

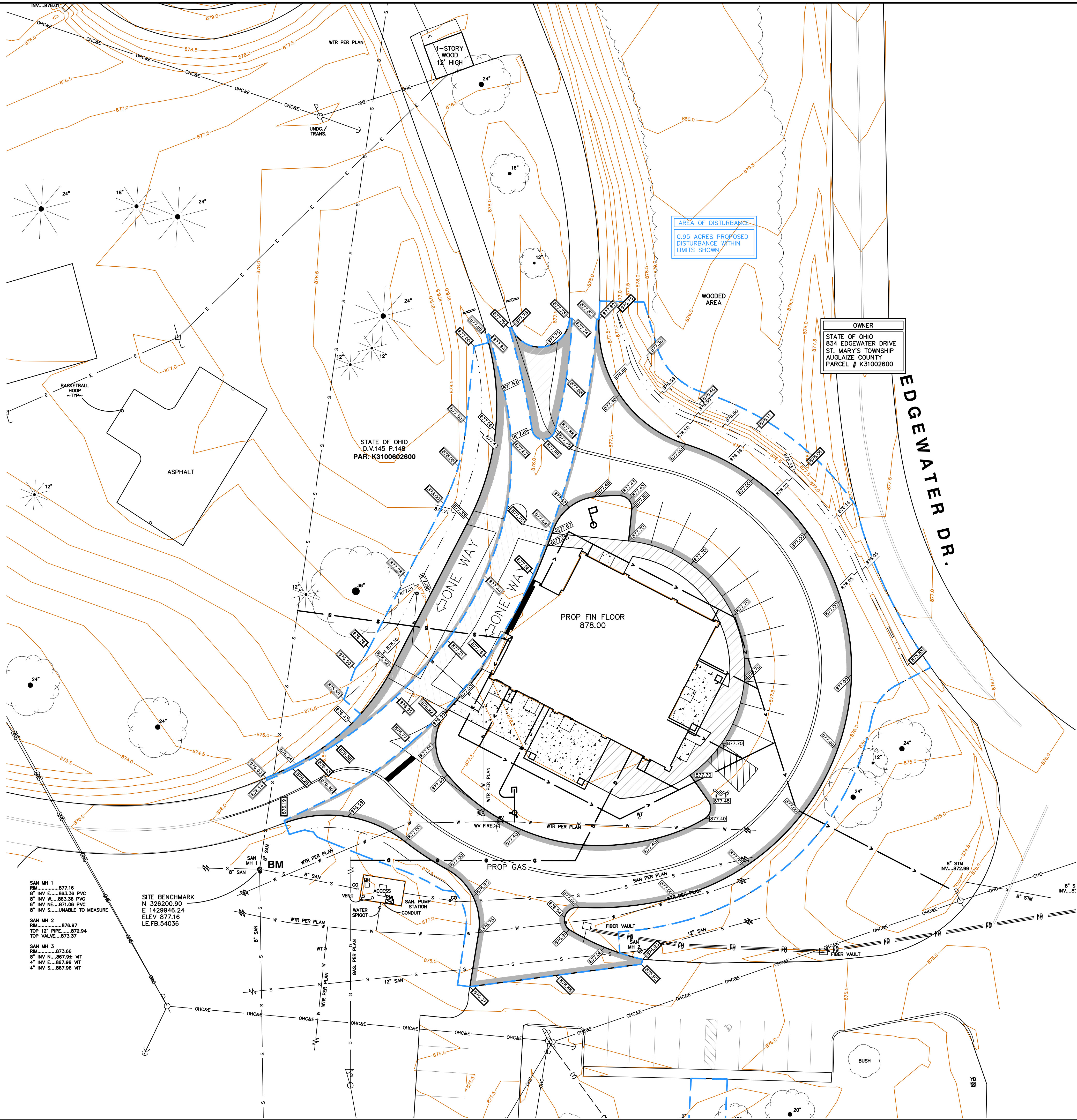
BM#1
CROSS CUT ON SOUTH RIM OF MANHOLE
ELEVATION877.16 NAVD88
N 326200.90 E 1429946.24
LE FB 54036

SAN MH 1
RM877.16
8" INV E863.36 PVC
8" INV W863.36 PVC
8" INV NE871.06 PVC
8" INV SUNABLE TO MEASURE

SAN MH 2
RM878.97
TOP 12" PIPE872.94
TOP VALVE873.37

SAN MH 3
RM873.66
8" INV N867.92 VT
4" INV E867.96 VT
4" INV S867.96 VT

SITE BENCHMARK
N 326200.90
E 1429946.24
ELEV 877.16
LE FB 54036



ST. MARY'S TOWNSHIP ~ AUGLAIZE COUNTY ~ OHIO
**GRAND LAKE ST. MARYS
STATE PARK**
PT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E
PROPOSED SITE IMPROVEMENTS

APPLICATION NO.	
DATE	09/19/2025
SCALE	1" = 20'
SHEET	8 OF 10



PROFESSIONAL ENGINEER	DRAWN BY	CHECKED BY	TOP/UTILITY	PROJECT NO.
	MPF	TMB	MPF	30131

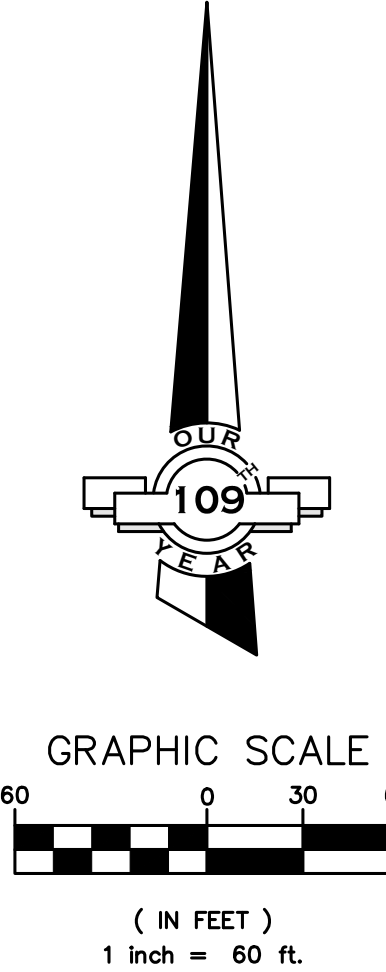
CHK'D BY	REVISION	No.
DATE		

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219 SOUTH ERIE STREET
TOLEDO, OHIO 43604-9607
TEL 419.385.2018

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LEGEND

ELECTRIC	— E —	
ELECTRIC REMOVAL	— (E) —	
GAS	— G —	
SANITARY	— S —	
STORM	— > —	
WATER	— W —	
WATER REMOVAL	— (W) —	
FENCE	— X —	
OVERHEAD TELEPHONE	— OHT —	PROPOSED ASPHALT PAVEMENT
OVERHEAD ELECTRIC	— OHE —	
OVERHEAD CABLE & ELECTRIC	— OHC&E —	PROPOSED CONCRETE SIDEWALK
CATCH BASIN		
CURB INLET		
MANHOLE		
YARD BASIN		
HYDRANT		
VALVE		
POWER POLE		
GUY WIRE		
YARD LIGHT		
POWER POLE/YARD LIGHT		
BOLLARD		
CLEANOUT		
FLOOD LIGHT		
MAILBOX		
METER		
ID SIGN		
SIGN		
TELEPHONE PEDESTAL		
UTILITY TAP		
TREE - CONIFEROUS		
TREE - DECIDUOUS		
END OF UTILITY MARKOUT		



BENCH MARK

BM#1
CROSS CUT ON SOUTH RIM OF MANHOLE
ELEVATION877.16 NAVD88
N 326200.90 E 1429946.24
LE FB 54036

NOTICE

CONTRACTOR SHALL VERIFY ALL CONTROL POINTS PRIOR TO COMMENCING WORK.

* APPROXIMATE BUILDING COORDINATES; CONTRACTOR TO VERIFY COORDINATES WITH ARCHITECTURAL DIMENSIONED BUILDING PLANS AND NOTIFY ARCHITECT IF DISCREPANCIES ARE FOUND

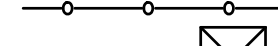
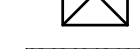
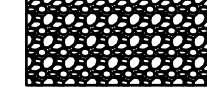
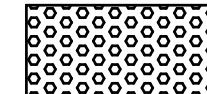
NOTICE

CULTURAL / ENVIRONMENTAL NOTE:
CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IF ARCHAEOLOGICAL DEPOSITS ARE DISCOVERED IN THE LIMITS OF WORK AND WORK STOPPED UNTIL DIRECTION IS GIVEN.

NO TREE CLEARING SHALL BE PERMITTED OUTSIDE THE LIMITS OF WORK



EROSION CONTROL

SILT FENCE	
SEDIMENT BARRIER	
CONSTRUCTION ENTRANCE	
DUMPSTER AREA	
CONCRETE WASH-OUT AREA	
VEHICLE FUELING/MAINTENANCE AREA	

ST. MARYS TOWNSHIP ~ AUGLAIZE COUNTY ~ OHIO
**GRAND LAKE ST. MARYS
STATE PARK**
PT. NE. 1/4 & SE. 1/4 OF SEC. 6, T6S, R4E
PROPOSED SITE IMPROVEMENTS

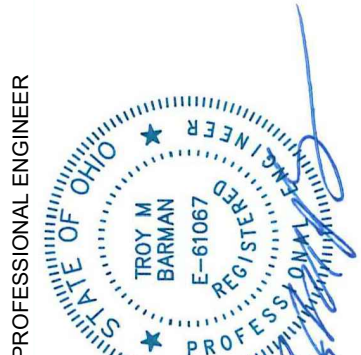
APPLICATION NO.

DATE
09/19/2025

SCALE
1" = 60'

SHEET
9 OF 10

PROFESSIONAL ENGINEER



STATE: OHIO
P.E. #61067

DRAWN BY

MPF

CHECKED BY

TMB

TOP/UTILITY

MPF

PROJECT NO.

30131

CHK'D BY

DATE

REVISION

No.

GRAND LAKE ST.
MARYS STATE PARK
PARK OFFICE
RENOVATION

OHIO DEPT. OF
NATURAL RESOURCES

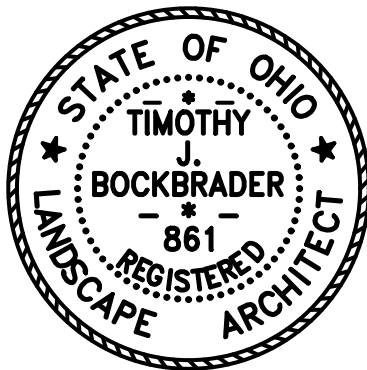
PROJECT NO. 250013

Date: 09-19-2025

Issued for: CONSTRUCTION DOCUMENTS

REVISIONS

SOILS AND
MATERIALS PLAN



Tim. Bockbrader

GENERAL NOTES:

1. EXAMINE FINISH SURFACE, GRADES, TOPSOIL QUALITY AND DEPTH. DO NOT START ANY WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. VERIFY LIMITS OF WORK BEFORE STARTING.
2. CONTRACTOR IS RESPONSIBLE FOR COST OF REPAIRS TO EXISTING CONDITIONS WHEN DAMAGED BY CONTRACTOR. REPAIR DAMAGES TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR IN SCOPE SHALL INCLUDE SOIL MOVED/FURNISHED/PLACED AND FINE GRADING AND PLANTINGS TO BE PROVIDED BY OWNER.
4. CONTRACTOR TO COORDINATE WITH ODNR TO PLANT WITHIN 1 WEEK OF SOILS INSTALLATION TO REDUCE RUNOFF AND LEACHING OF ORGANICS.
5. SEE CIVIL ENGINEERING FOR EROSION CONTROL.

SOILS CONSTRUCTION NOTES:

- 1 LOCKSTONE BENCH SEATING BY CONTRACTOR. LOCKSTONE IS TO BE RELOCATED FROM OFF-SITE LOCATION PROVIDED BY ODNR. UTILIZE LARGER STONES 18"-24" IN HGT. AND 36"-48" IN LENGTH AS SEATING ELEMENTS. CONTRACTOR TO SAW-CUT EXISTING LOCKSTONE TO WITHIN 6" OF LISTED SIZE. HOLD BOTTOM OF STONE 2-3" BELOW ADJACENT HARDSCAPE. PROVIDE MINIMUM 8" OF ODOT 304 AGGREGATE BELOW BASE WHEN NOT LOCATED ON CONCRETE. HAMMER SHARP CORNERS. CONFIRM SEATING ELEMENT PRIOR TO RELOCATION WITH ODNR. ITEM SHALL COVER RELOCATION, PLACEMENT, AND BASE MATERIAL.
- 2 LOCKSTONE VEHICLE BARRIER BY CONTRACTOR. STAGGER AND DRY-STACK 6" to 12" HGT. LOCKSTONE BEHIND CURB TO MATCH GRADES AS INDICATED IN PLANS. PROVIDE 8" OF COMPACTED ODOT 304 AGGREGATE BASE OVER COMPACTED SUBGRADE. ITEM SHALL COVER RELOCATION, PLACEMENT, AND BASE MATERIAL. SAW-CUT EXISTING LOCKSTONE TO WITHIN 6" OF LISTED SIZE. SEE DETAIL, THIS SHEET.
- 3 EXISTING BIKE RACK TO BE SALVAGED AND RELOCATED BY CONTRACTOR. SURFACE MOUNT TO CONCRETE WITH NEW STAINLESS STEEL HARDWARE. PAINT HARDWARE TO MATCH BIKE RACK COLOR.
- 4 LANDSCAPE BED AREA. CONTRACTOR TO PROVIDE MINIMUM DEPTH OF 18" DEPTH OF SOIL MIX. PLANTINGS TO BE COMPLETED BY OWNER.

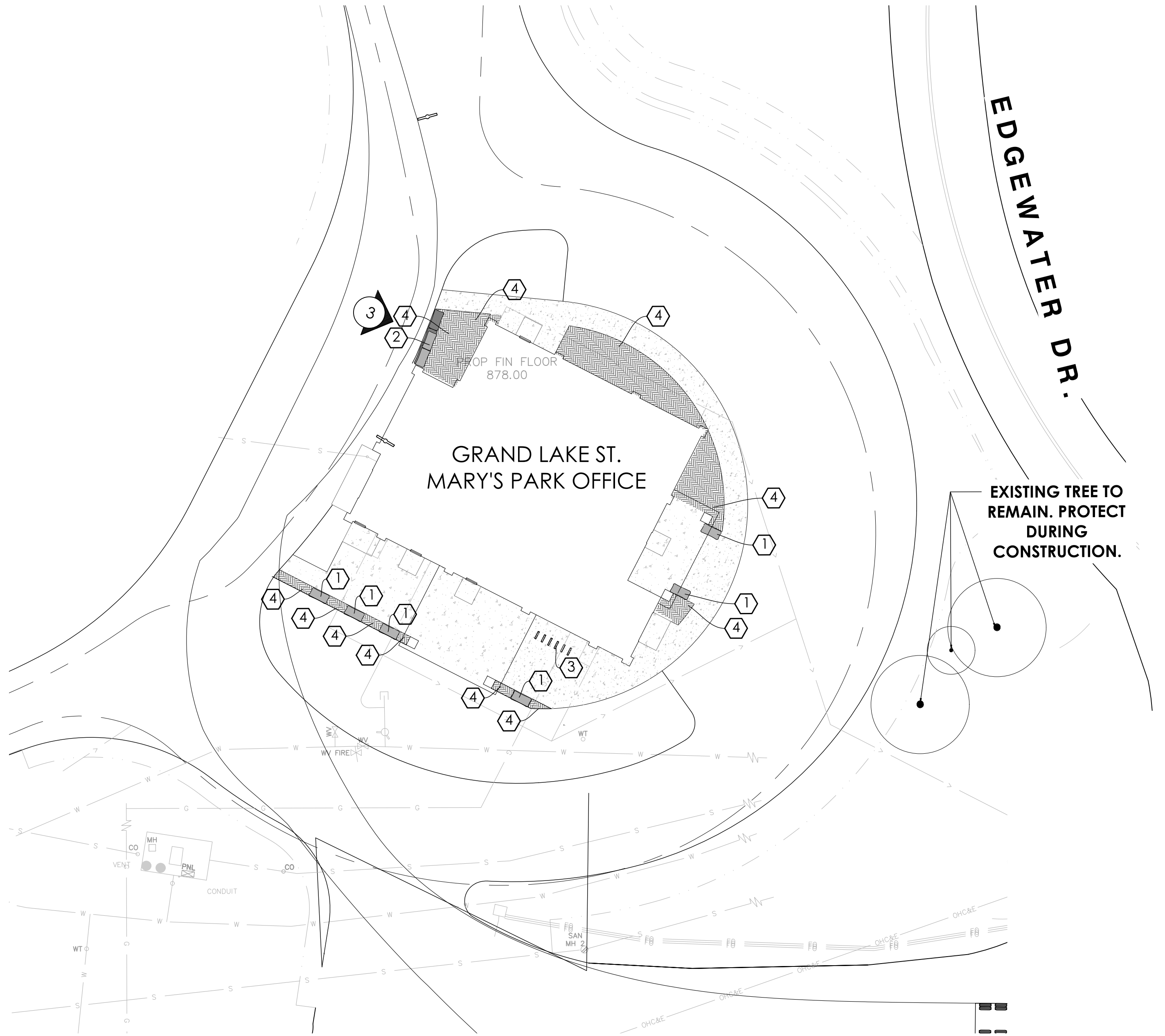
CONTRACTOR TO UTILIZE EXISTING TOPSOIL STOCKPILE ON SITE. SPREAD TOPSOIL & AMEND WITH 2" DEPTH OF EPA RATED CLASS IV COMPOST AND TILLED TO A DEPTH OF 12" - MIX THOROUGHLY. THEN TOP-DRESS WITH 1" OF COMPOST OVER ENTIRE BED. STOCKPILE TOPSOIL SHALL BE AMENDED WITH CLASS 4 COMPOST. PER SOIL PROFILE DETAIL BELOW.

IF SOIL QUANTITIES ARE INSUFFICIENT, SUPPLEMENT WITH PLANTING SOIL PER SPECIFICATIONS.

HOLD TOP OF SOIL DOWN 3" FROM TOP OF CURB AND/OR ADJACENT PAVEMENT TO ALLOW FOR INSTALLATION OF MULCH BY OTHERS. PROVIDE POSITIVE DRAINAGE ACROSS ALL SURFACES.

GLSM - SOILS AND MATERIALS SUBSUMMARY

Item	Quantity	Unit
BASE BID		
LOCKSTONE BENCH SEATS BY CONTRACTOR	6	EA
LOCKSTONE VEHICULAR BARRIER BY CONTRACTOR	8	EA
BIKE RACK RELOCATION BY CONTACTOR	1	EA
STOCKPILED TOP SOIL - PLACED & AMENDED BY OWNER	48	CY
MULCH BY OWNER	8	CY

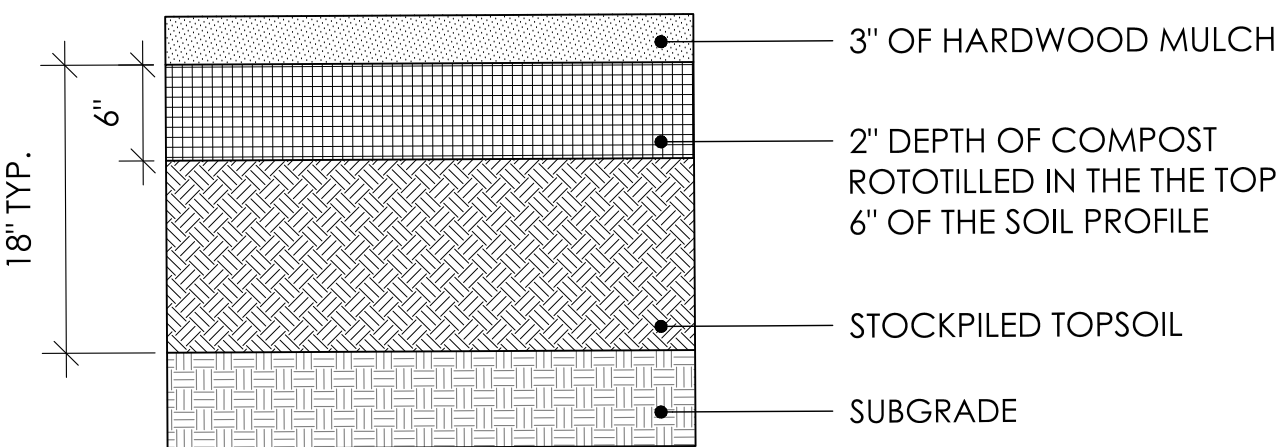


1 SOILS PLAN

Scale: 1" = 20' - 0"

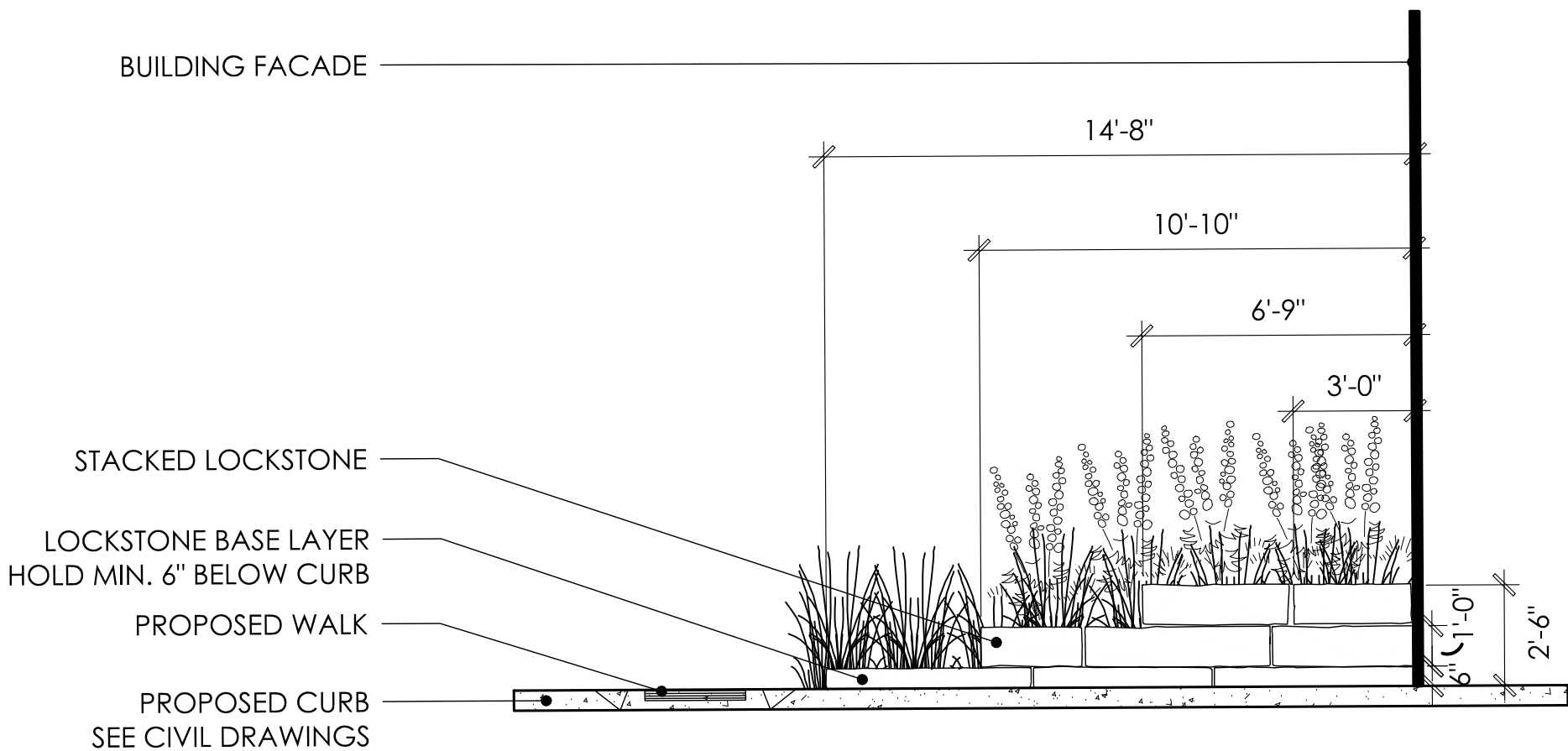
SOILS PLAN LEGEND:

PLANTING SOIL MIX
SEE SPECIFICATIONS



2 STOCKPILE TOPSOIL AMENDMENT DETAIL

Scale: 1" = 1' - 0"



3 LOCKSTONE VEHICULAR BARRIER

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

30x48 CLEAR FLOOR SPACE

TEE TURNING SPACE (MAY BE PART OF KNEE SPACE UNDER FIXTURES - ADAAG-4.2.4.1)

67" TURNING RADIUS (MAY BE PART OF KNEE SPACE UNDER FIXTURES - ADAAG-4.2.4.1)

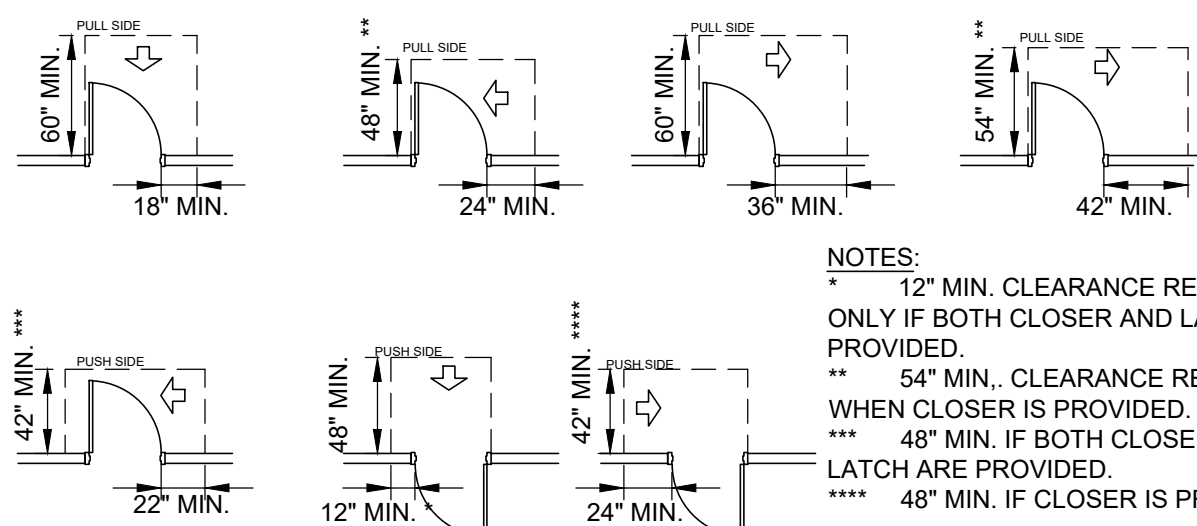
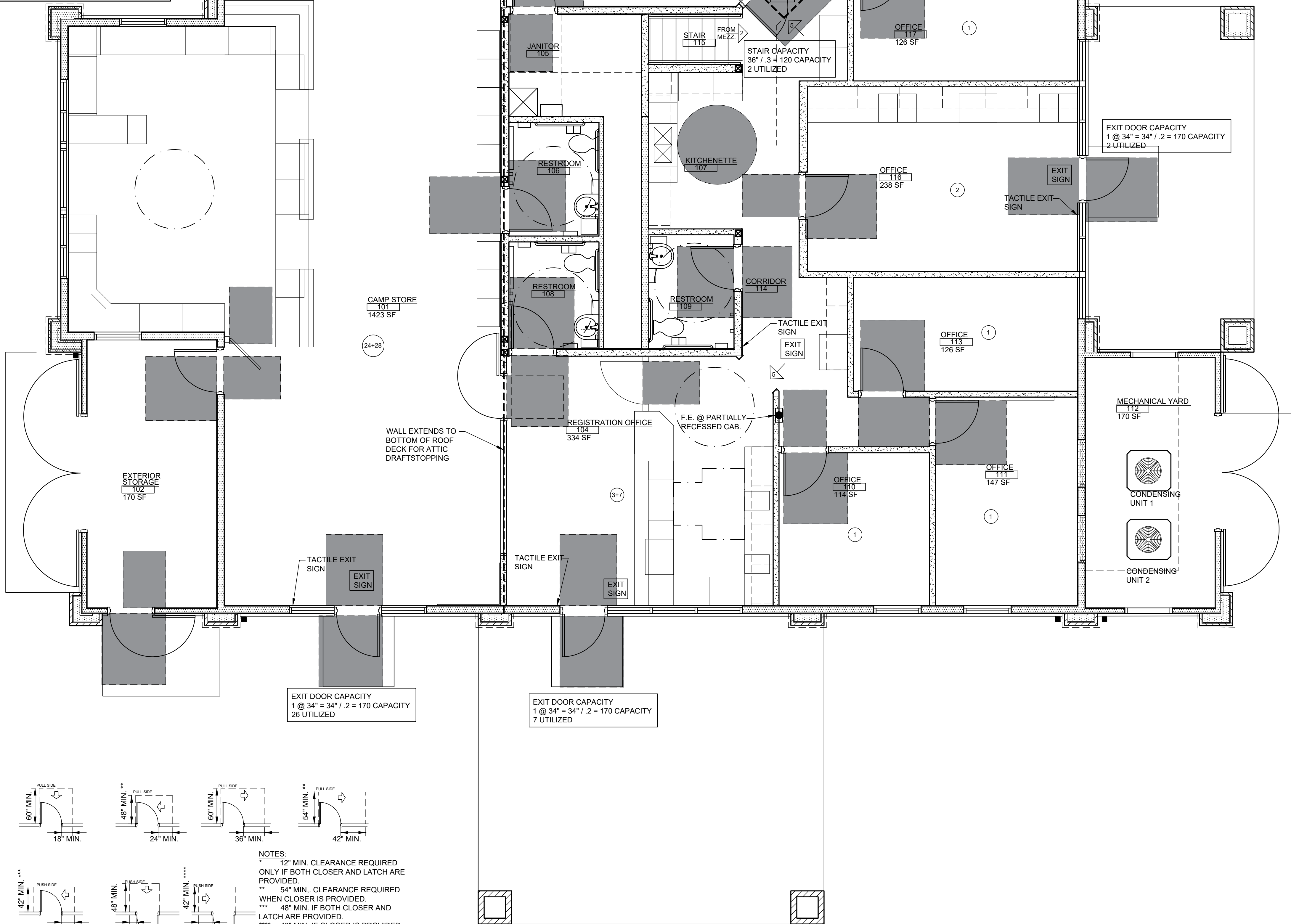
DOOR CLEARANCE - SEE TYP. DOOR APPROACH DETAILS

INDICATES OCCUPANT EGRESS LOAD

OCCUPANT LOAD OF SPACE

OCCUPANT LOAD AND EGRESS LOAD OF SPACE

ADA CLEARANCE NOTE: IF IT IS DISCOVERED IN THE FIELD THAT AN ADA REQUIRED CLEARANCE CAN'T BE MET, CONTACT ARCHITECT.

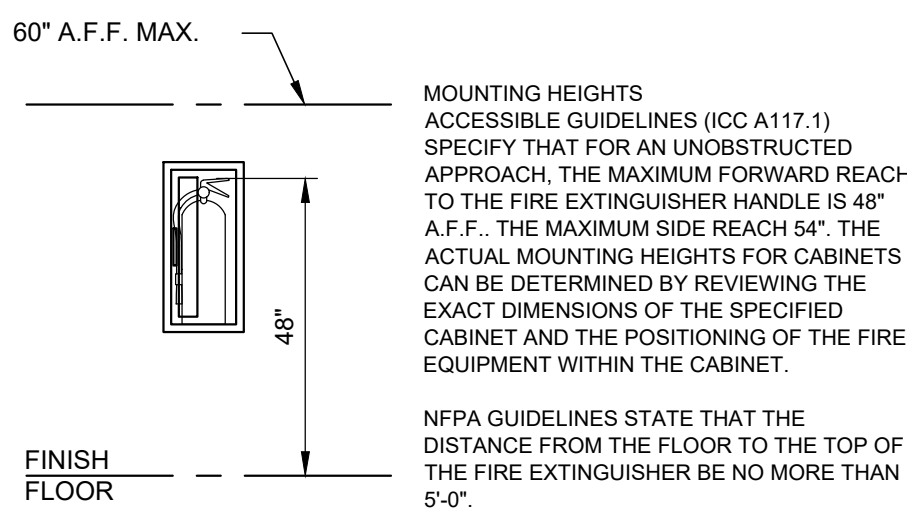
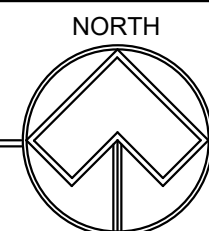


TYPICAL DOOR APPROACH DETAILS

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

LIFE SAFETY PLAN

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



TYP. FIRE EXTINGUISHER CABINET MOUNTING HEIGHT

SCALE: N.T.S.

CODE COMPLIANCE DATA (OBC 2024)

BUILDING SUMMARY: THIS PROJECT INCLUDES A NEW CAMP STORE AND OFFICES FOR ST. MARY'S STATE PARK CAMPGROUND.

PROJECT ADDRESS:
ST. MARY'S STATE PARK CAMP STORE
834 EDGEWATER DRIVE
ST. MARY'S, OHIO 45885

APPLICABLE CODES: 2024 OBC, 2024 OMC, 2023 NEC, 2024 OPC, ANSI A117.1-2017, 2024 OHIO FIRE CODE

USE GROUPS (OBC CHAPTER 3):

M ACCESSORY OCCUPANCY
S ACCESSORY OCCUPANCY
A-3 ACCESSORY OCCUPANCY

TYPE OF CONSTRUCTION (OBC CHAPTER 6):

V-B

TOTAL BUILDING AREA (OBC 502):

4,469 SF FIRST FLOOR
376 SF MEZZANINE
4,845 SF TOTAL

ALLOWABLE AREAS (OBC TABLE 508.2):

A = 9,000 ALLOWABLE SQUARE FEET
ACTUAL SQUARE FEET IS UNDER 9,000 SF

BUILDING HEIGHT:

40', 1 STORY ALLOWABLE

INTERIOR FINISH REQUIREMENTS, TABLE 803.11

- EXIT ENCLOSURES AND EXIT PASSAGEWAYS: CLASS A
- CORRIDORS: CLASS A
- ROOMS AND ENCLOSED SPACES: CLASS C

OCCUPANT LOAD

TOTAL 62 OCCUPANTS (SEE OCCUPANT CALCULATIONS)

PORTABLE FIRE EXTINGUISHERS:

MAXIMIZE TRAVEL DISTANCE TO PORTABLE FIRE EXTINGUISHER = 75'

FIRE ALARM SYSTEM:

PER 907.2.7 (M) A FIRE ALARM SYSTEM IS NOT REQUIRED FOR THIS BUILDING SINCE IT IS UNDER 500 OCCUPANTS

MAXIMUM ALLOWABLE DEAD END: 1020.4

A = 20 FEET

EXITS:

PER SPACE

M

CAMP STORE = (52) 24 OCCUPANTS +28 EGRESS OCCUPANTS - 2 EXITS REQUIRED, 2 PROVIDED (TABLE 1006.2.1)

A-3

PUBLIC SPACE = (28) 23 OCCUPANTS + 5 EGRESS OCCUPANTS = 1 EXIT REQUIRED, 2 PROVIDED (TABLE 1006.2.1)

EXISTS PER FLOOR

FIRST FLOOR (TABLE 1006.3.1) - 2 EXITS REQUIRED, 5 PROVIDED

MEZZANINE (TABLE 1006.3.4(2)) - 1 EXIT REQUIRED, 1 PROVIDED

MAXIMUM ALLOWABLE TRAVEL DISTANCE: 1017.2

= 200'

STRUCTURAL DESIGN LOADS:

SEE STRUCTURAL DRAWINGS

ACCESSIBILITY REQUIREMENTS:

DESIGN CONFORMS TO AND SHALL BE CONSTRUCTED TO CONFORM WITH OBC CHAPTER 11 AND ICC A117.1 (LATEST VERSION)

PLUMBING FIXTURES (OBC TABLE 2902.1):

M = 62 OCCUPANTS, 31 MALE AND 31 FEMALE

		W.C.	LAV.	D.F.	S.S.
M	REQUIRED	1 MEN, 1 WOMEN	1 MEN, 1 WOMEN	1	1
M	PROVIDED	3 MEN, 3 WOMEN	3 MEN, 3 WOMEN	1	1

REQUIRED FIRE-RESISTANCE RATING:

1020.2 - CORRIDORS
A.B.M.U. - LESS THAN 30 WITH NO SPRINKLER = NOT REQUIRED

CONCEALED SPACE: 718

718.2.2 CONCEALED WALL SPACES: FIREBLOCKING TO BE INSTALLED VERTICALLY AT CEILING AND FLOOR LEVELS AND HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.

718.4 DRAFTSTOPPING IN ATTICS: REQUIRED WHEN ATTIC IS OVER 3,000 SF

ACCESSIBLE ROUTE:

1104.4.4: WHERE TWO-STORY BUILDING HAS ONE STORY OR MEZZANINE WITH AN OCCUPANT LOAD OF FIVE OR FEWER PERSON THAT DOES NOT CONTAIN PUBLIC USE SPACE, THAT STORY OR MEZZANINE SHALL NOT BE REQUIRED TO BE CONNECTED TO AN ACCESSIBLE ROUTE TO THE STORY ABOVE OR BELOW.

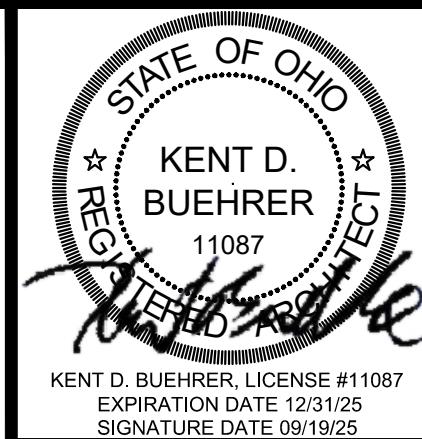
MEZZANINES:

505.2.1 MEZZANINES SHALL NOT BE GREATER THAN ONE THIRD THE FLOOR AREA OF THAT ROOM IN WHICH THEY ARE LOCATED.

505.2.3 MEZZANINES SHALL BE OPEN TO THE ROOM BELOW. EXCEPT WHEN THE OCCUPANT LOAD OF THE MEZZANINE IS LESS THAN 10.

OCCUPANT CALCULATIONS

No.	ROOM	SIZE	USE	DENSITY	CALCULATION	OCCUPANTS
101	CAMP STORE	1423 SF	M	60	1423 SF / 60 SF PER PERSON =	23.72 24
102	EXTERIOR STORAGE	170 SF	S	300	170 SF / 300 SF PER PERSON =	.57 1
103	PUBLIC SPACE	334 SF	A-3	15	334 SF / 15 SF PER PERSON =	22.26 23
104	REGISTRATION	334 SF	B	150	334 SF / 150 SF PER PERSON =	2.23 3
105	JANITOR				N/A	0 0
106	RESTROOM				N/A	0 0
107	KITCHENETTE				N/A	0 0
108	RESTROOM				N/A	0 0
109	RESTROOM				N/A	0 0
110	OFFICE	114 SF	B	150	114 SF / 150 SF PER PERSON =	.76 1
111	OFFICE	147 SF	B	150	147 SF / 150 SF PER PERSON =	.98 1
112	MECHANICAL YARD	170 SF	S	300	170 SF / 300 SF PER PERSON =	.57 1
113	OFFICE	126 SF	B	150	126 SF / 150 SF PER PERSON =	.84 1
114	CORRIDOR				N/A	0 0
115	STAIR				N/A	0 0
116	OFFICE	238 SF	B	150	238 SF / 150 SF PER PERSON =	1.59 2
117	OFFICE	128 SF	B	150	128 SF / 150 SF PER PERSON =	.85 1
118	OFFICE	147 SF	B	150	147 SF / 150 SF PER PERSON =	.98 1
119	OFFICE	114 SF	B	150	114 SF / 150 SF PER PERSON =	.76 1
201	STORAGE	133 SF	S	300	133 SF / 300 SF PER PERSON =	.44 1
202	MECHANICAL	136 SF	S	300	136 SF / 300 SF PER PERSON =	.45 1
TOTAL OCCUPANTS						62



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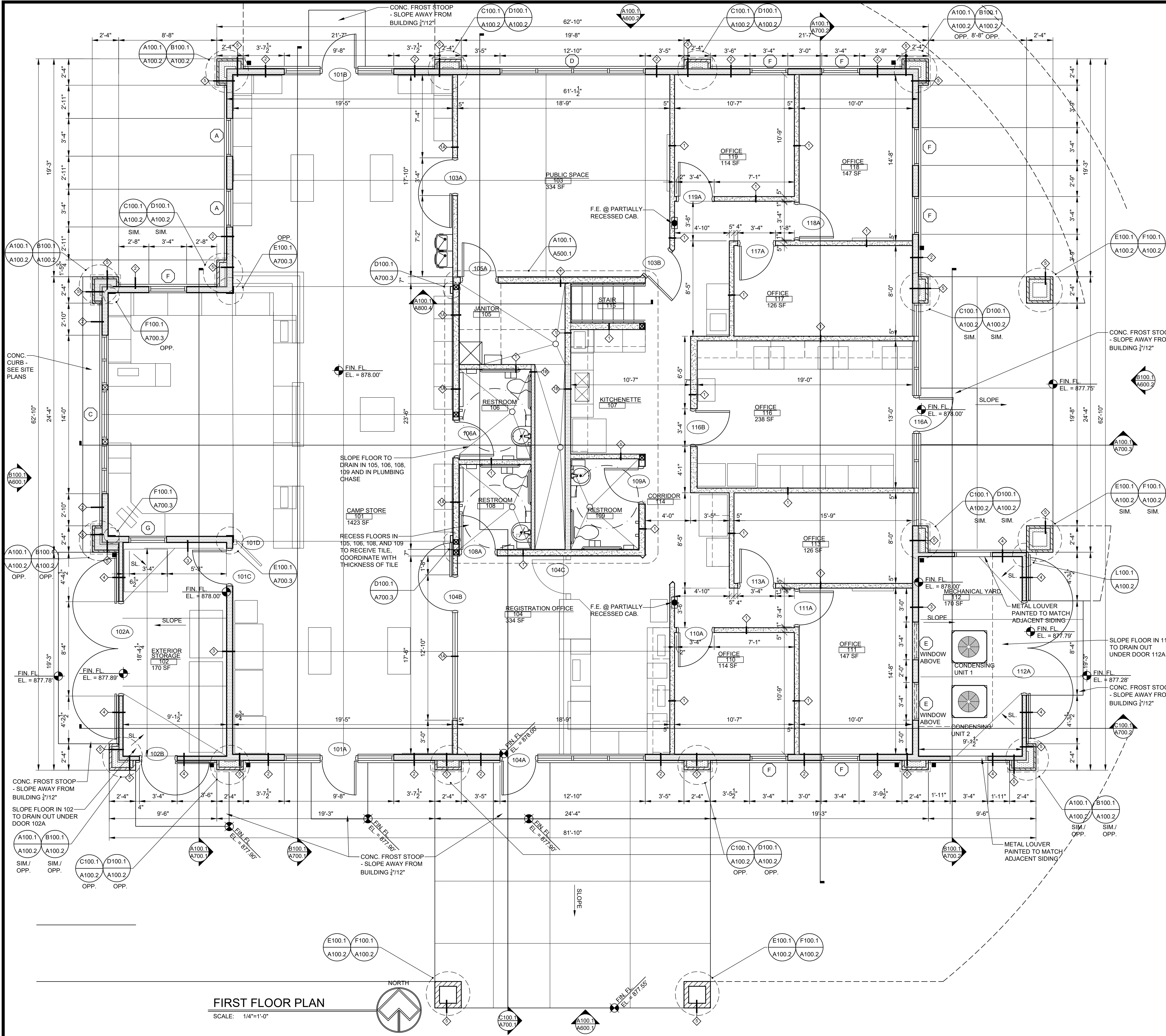
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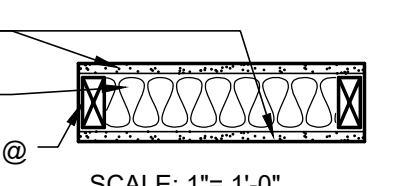
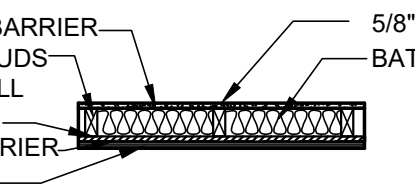
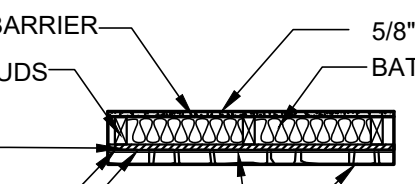
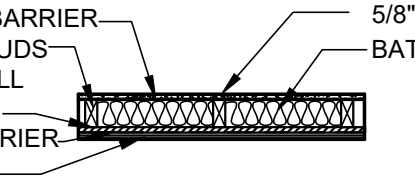
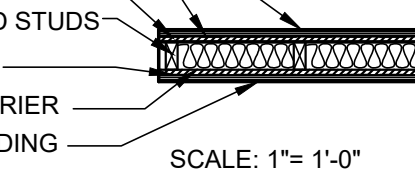
ISSUE DATE: 09/19/2025

JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

LS100.1



WALL TYPE LEGEND	
WALL TYPE	DESCRIPTION
1	5/8" DRYWALL ON BOTH SIDES OF 2X4 OR 2X6 WOOD STUDS (SEE PLAN) @ 16" O.C. U.N.O. W/ 3" UNFACED BATT INSULATION. FROM FINISH FLOOR TO FLOOR OR BOTTOM OF ROOF TRUSS. SEE ROOM FINISH SCHEDULE FOR WALL FINISH. AT ALL LOCATIONS OF WALL, TILE BACKER BOARD IS TO BE INSTALLED INSTEAD OF DRYWALL.  SCALE: 1"= 1'-0"
1A	SAME CONSTRUCTION AS WALL TYPE 1, HOWEVER WALL IS FROM FINISH FLOOR TO BOTTOM OF ROOF DECK TO FORM AN ATTIC DRAFT STOP
1B	SAME CONSTRUCTION AS WALL TYPE 1, HOWEVER DRYWALL IS ONLY ON ONE SIDE OF WALL AND NOT ON THE SHAFT SIDE OF WALL AND WALL EXTENDS FROM FINISH FLOOR TO BOTTOM OF FLOOR STRUCTURE ABOVE.
2	EXTERIOR WALL CONSISTING OF DRYWALL ON 4 MILL VAPOR BARRIER ON INTERIOR SIDE OF 2X6 WOOD STUDS @ 16" O.C. W/ BATT INSULATION BETWEEN STUDS AND COMPOSITE SIDING ON WEATHER BARRIER ON WOOD SHEATHING ON EXTERIOR SIDE OF STUDS.  UPPER EXTERIOR WALL CONSISTING OF DRYWALL ON 4 MILL VAPOR BARRIER ON INTERIOR SIDE OF 2X6 WOOD STUDS @ 16" O.C. W/ BATT INSULATION BETWEEN STUDS AND STONE VENEER SYSTEM (COMPOSED OF STONE ON ADHERING MORTAR OVER SCRATCH COAT ON METAL LATH ON DRAINAGE PLANE) ON WEATHER BARRIERS ON WOOD SHEATHING ON EXTERIOR SIDE OF STUDS.  LOWER SCALE: 1"= 1'-0"
3	EXTERIOR WALL CONSISTING OF DRYWALL ON 4 MILL VAPOR BARRIER ON INTERIOR SIDE OF 2X6 WOOD STUDS @ 16" O.C. W/ BATT INSULATION BETWEEN STUDS AND COMPOSITE SIDING ON WEATHER BARRIER ON WOOD SHEATHING ON EXTERIOR SIDE OF STUDS.  SCALE: 1"= 1'-0"
4	SCREEN WALL WALL CONSISTING OF COMPOSITE SIDING ON WEATHER BARRIER ON WOOD SHEATHING ON BOTH SIDES OF PRESSURE TREATED 2X4 WOOD STUDS @ 16" O.C.  SCALE: 1"= 1'-0"
5	DECORATIVE COLUMN ON EXTERIOR WALL SYSTEM. SEE COLUMN DETAILS. NOTE AT LOCATION OF STONE VENEER SYSTEM THERE IS A DRAINAGE MAT, CEMENT BOARD, AND FLUID APPLIED MOISTURE BARRIER.

STATE OF OHIO
KENT D. BUEHRER
11087
KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/25
SIGNATURE DATE 09/19/25

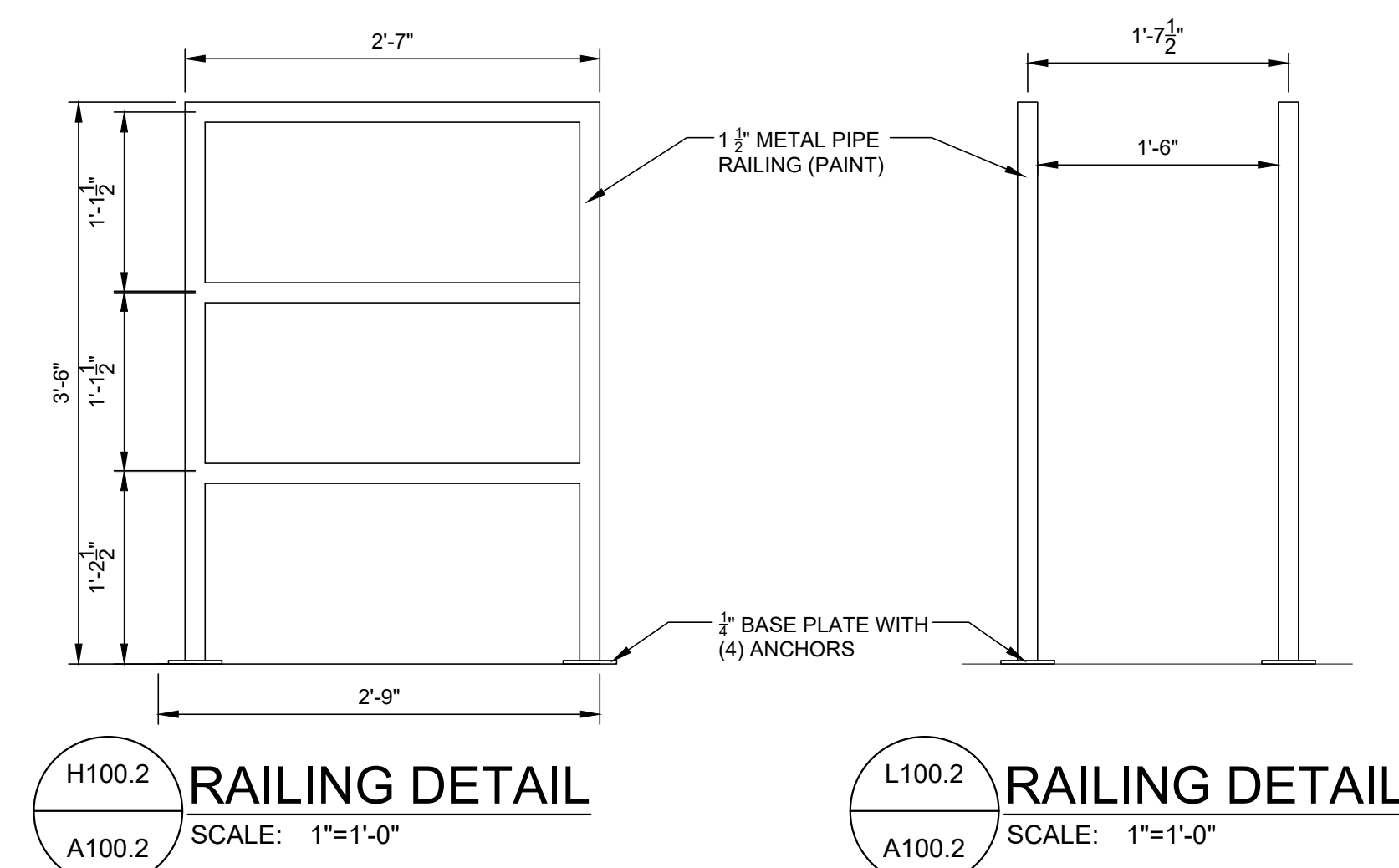
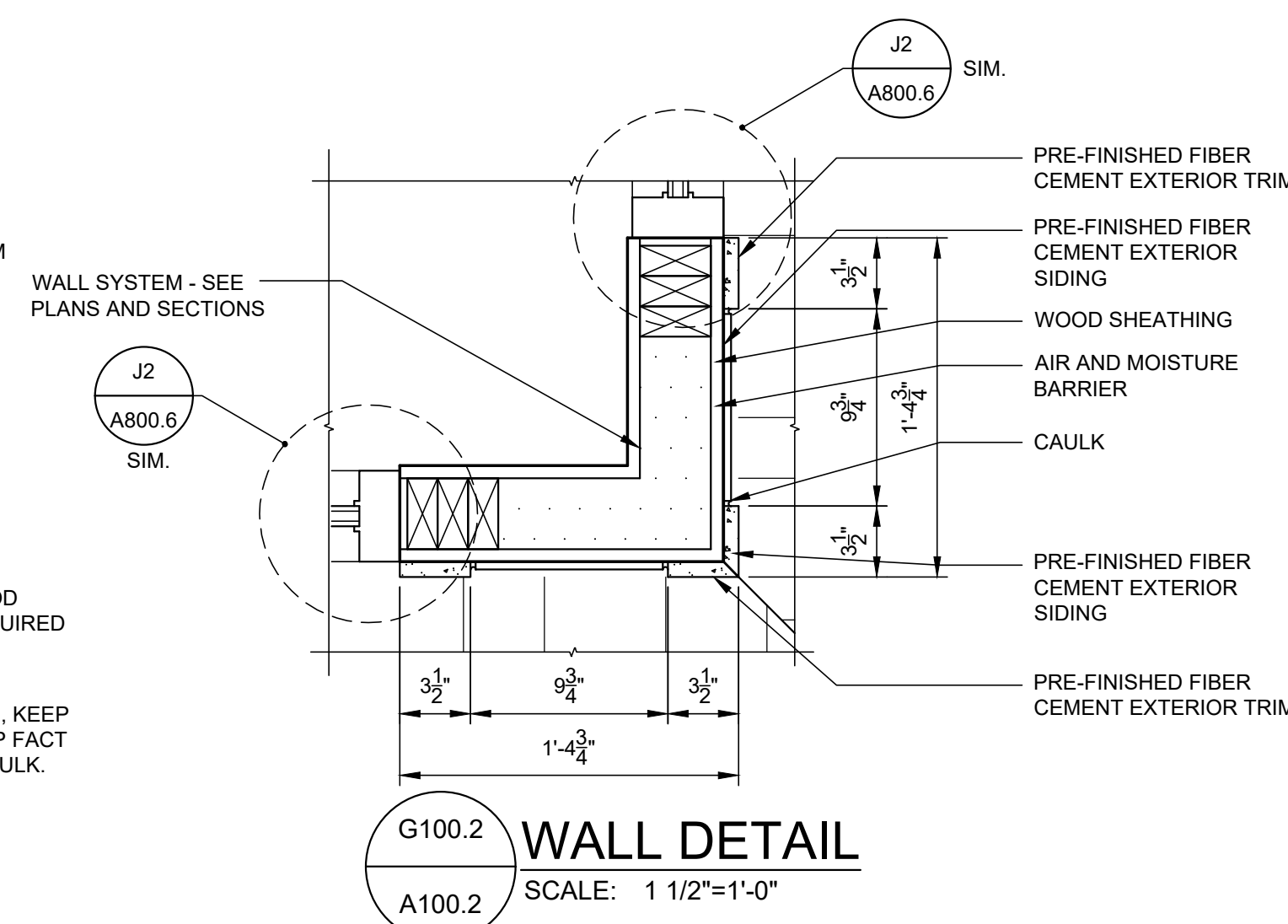
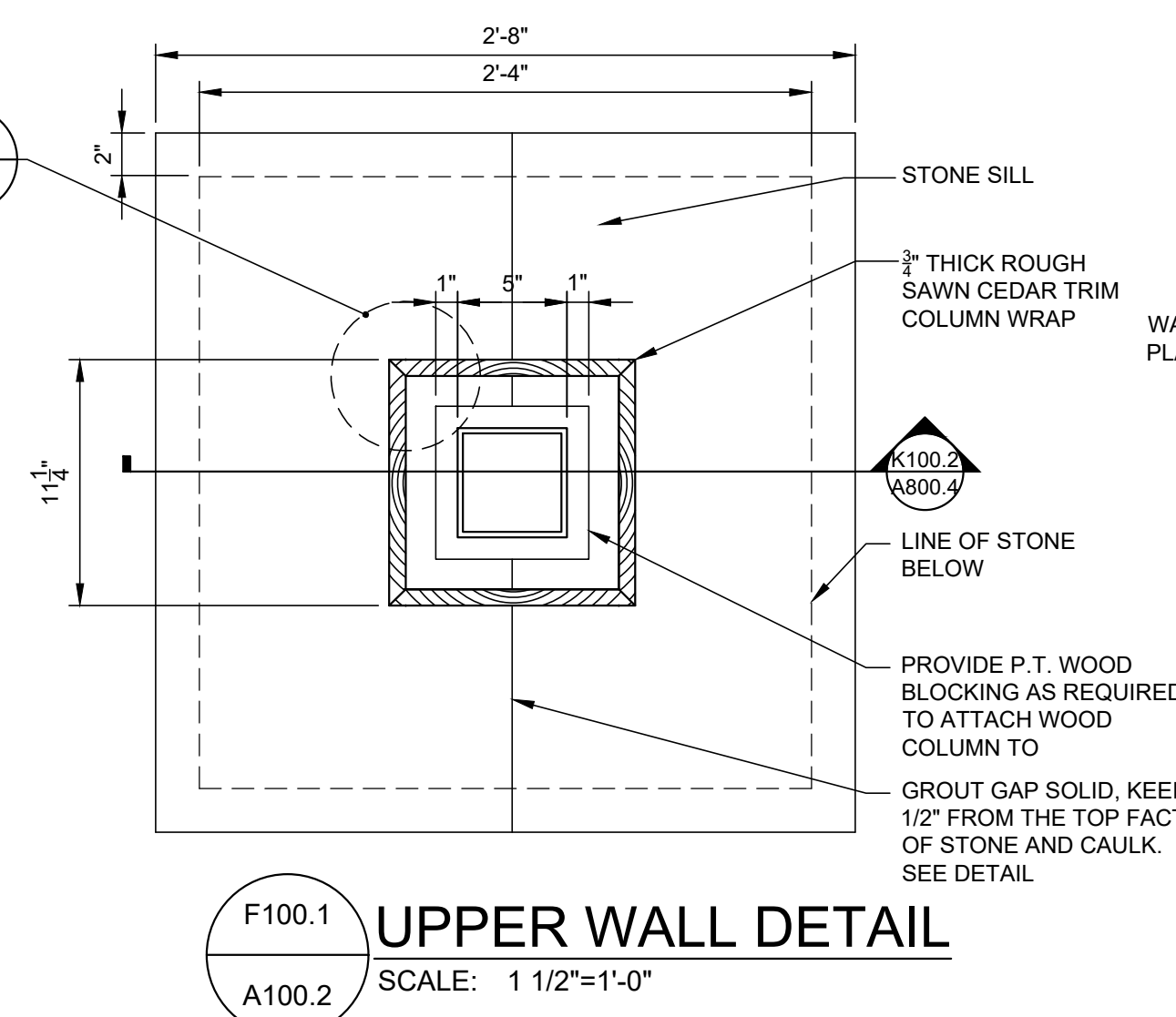
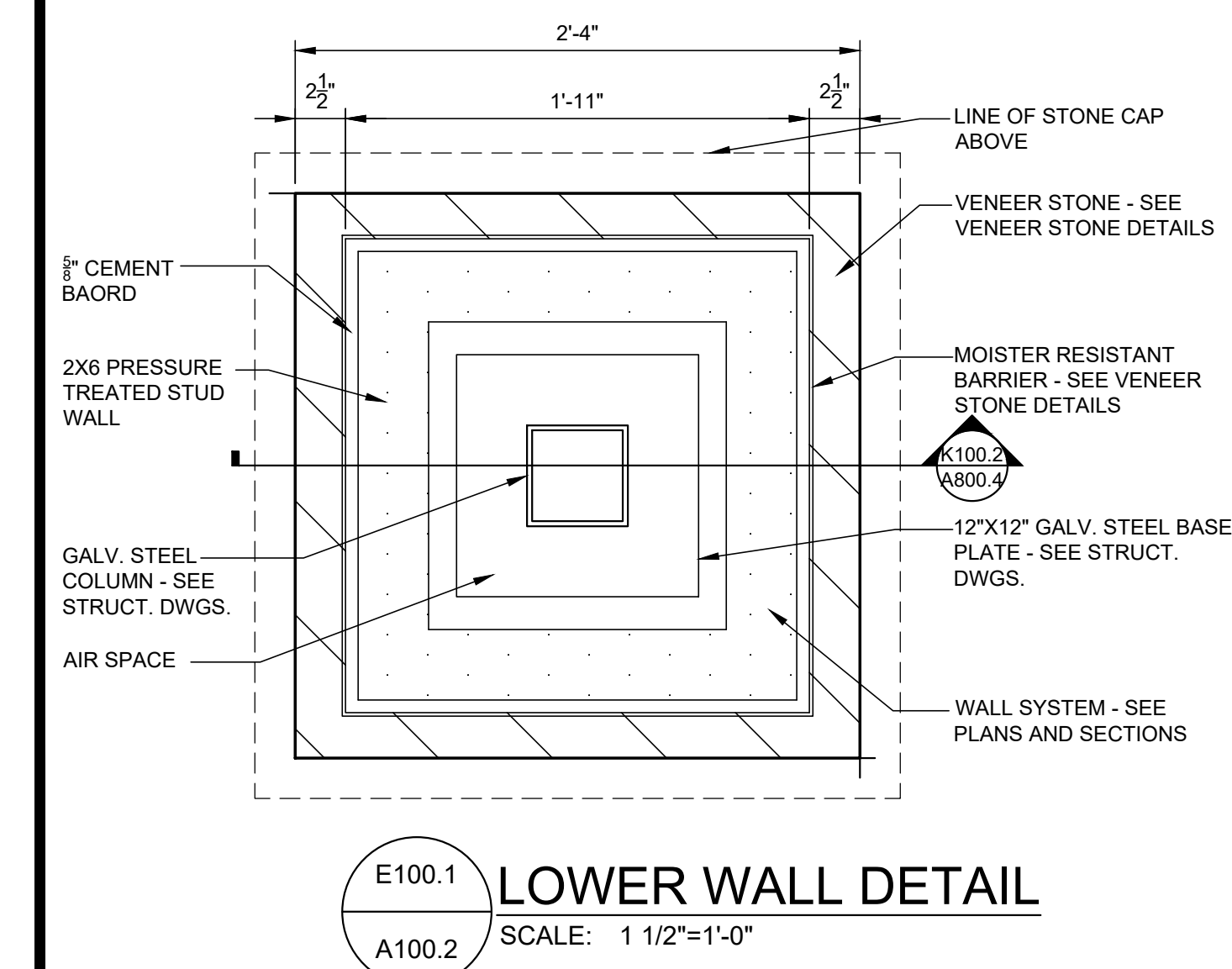
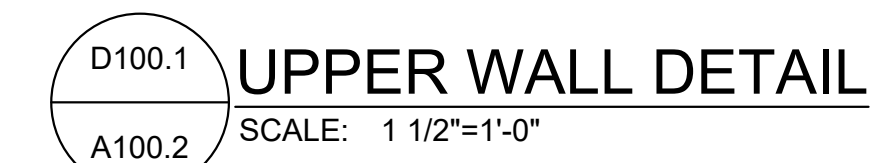
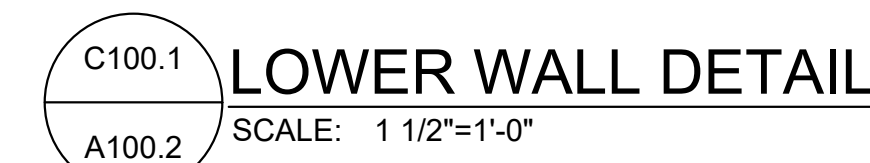
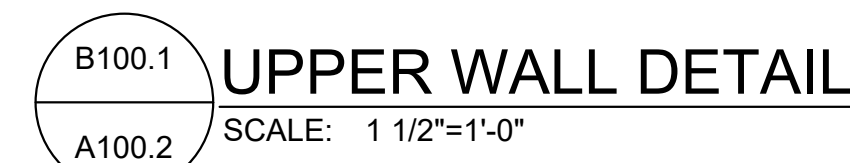
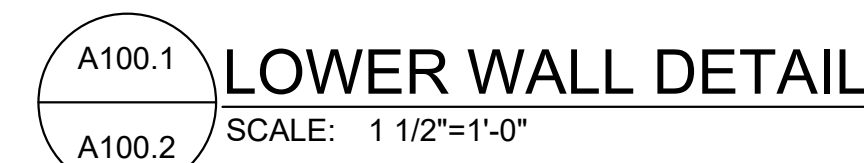
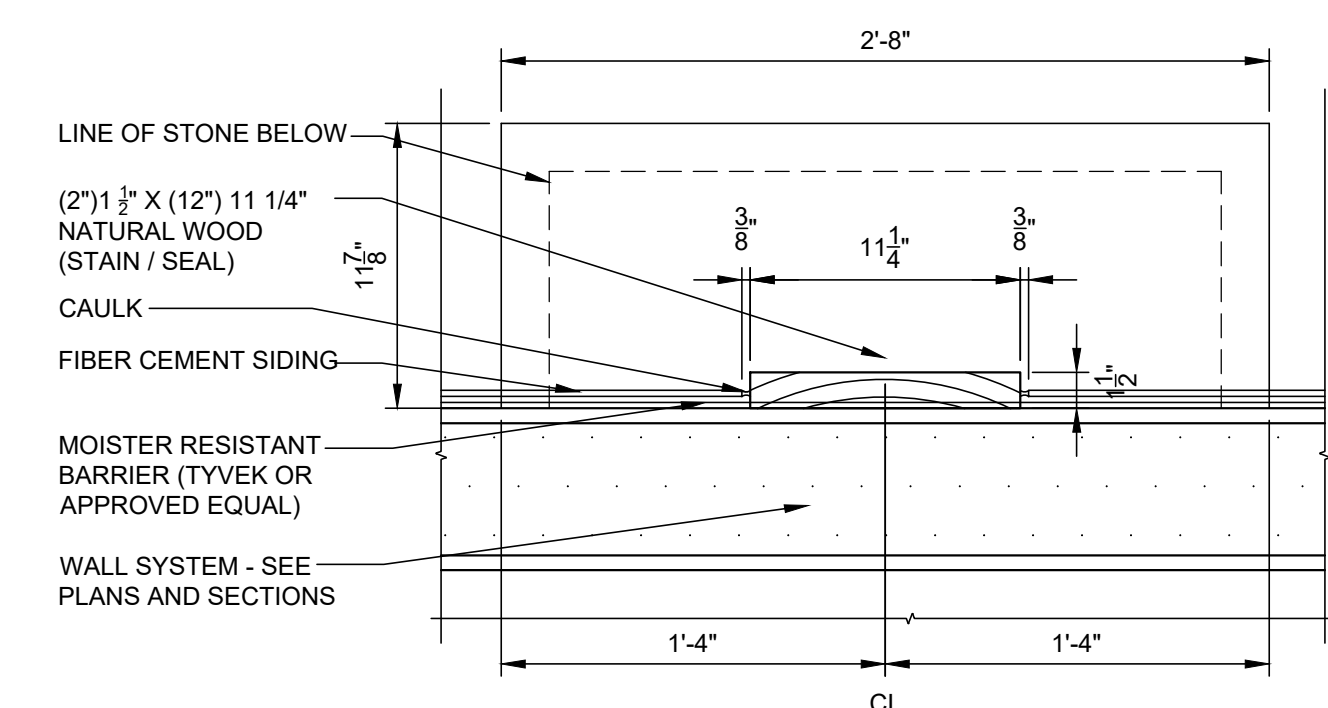
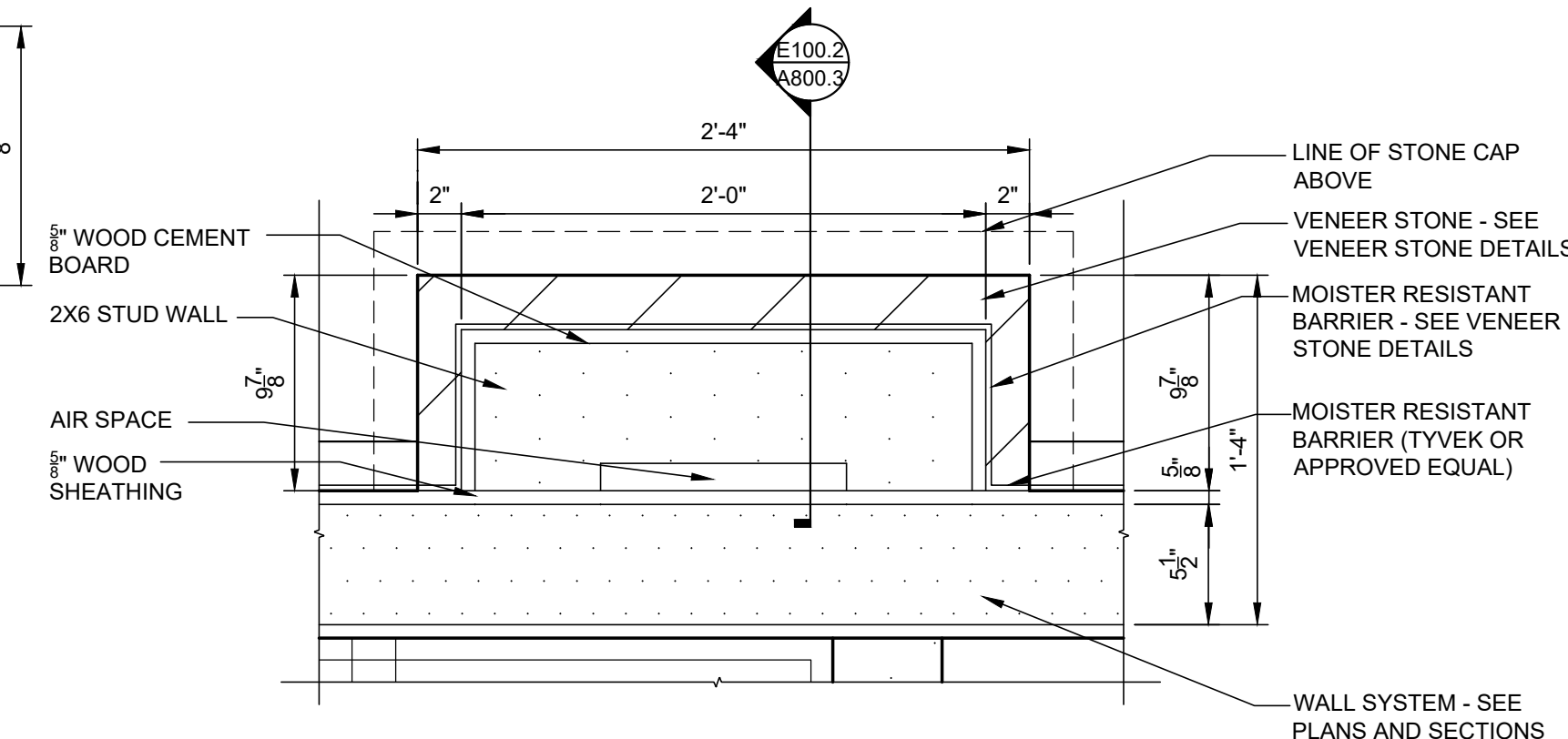
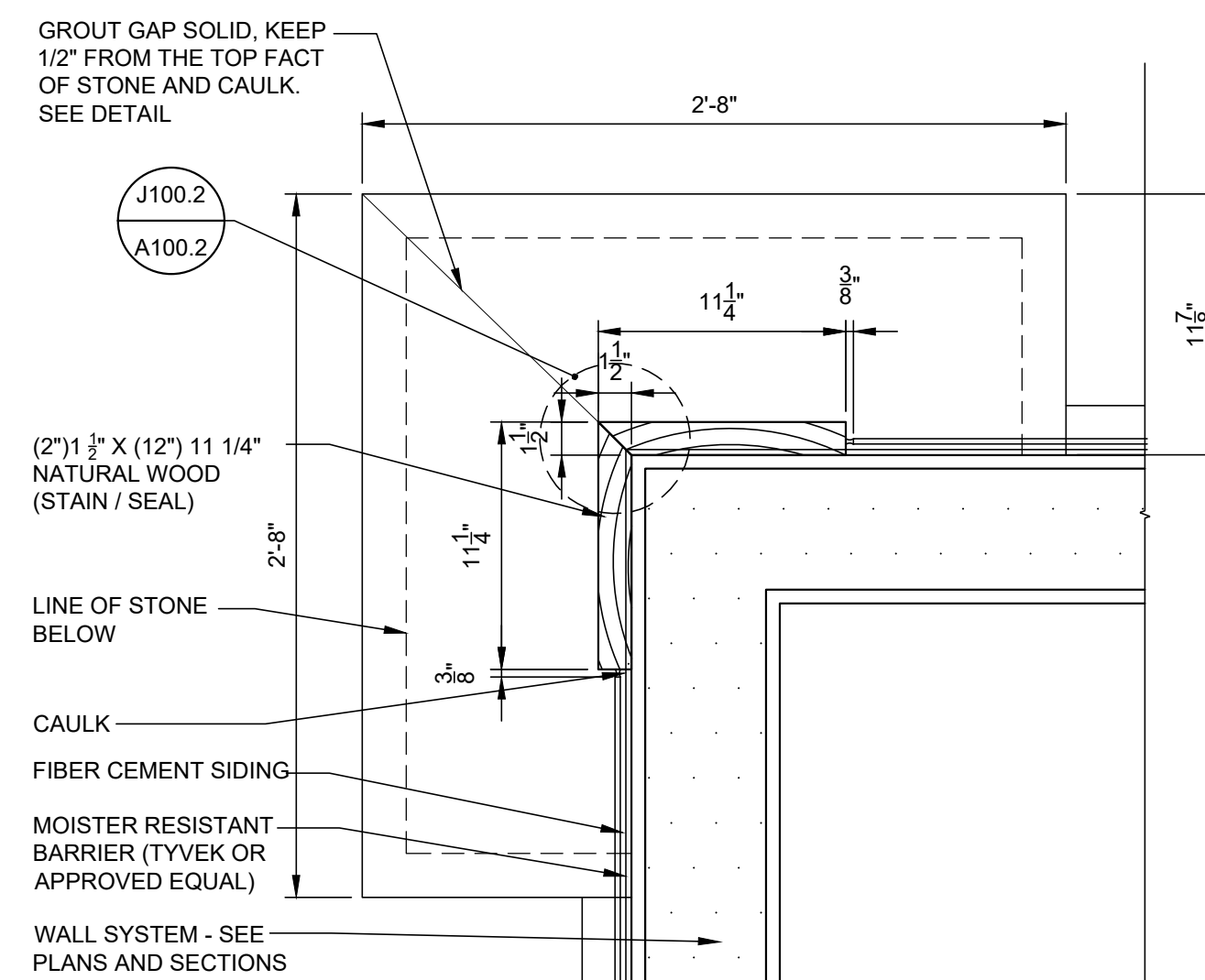
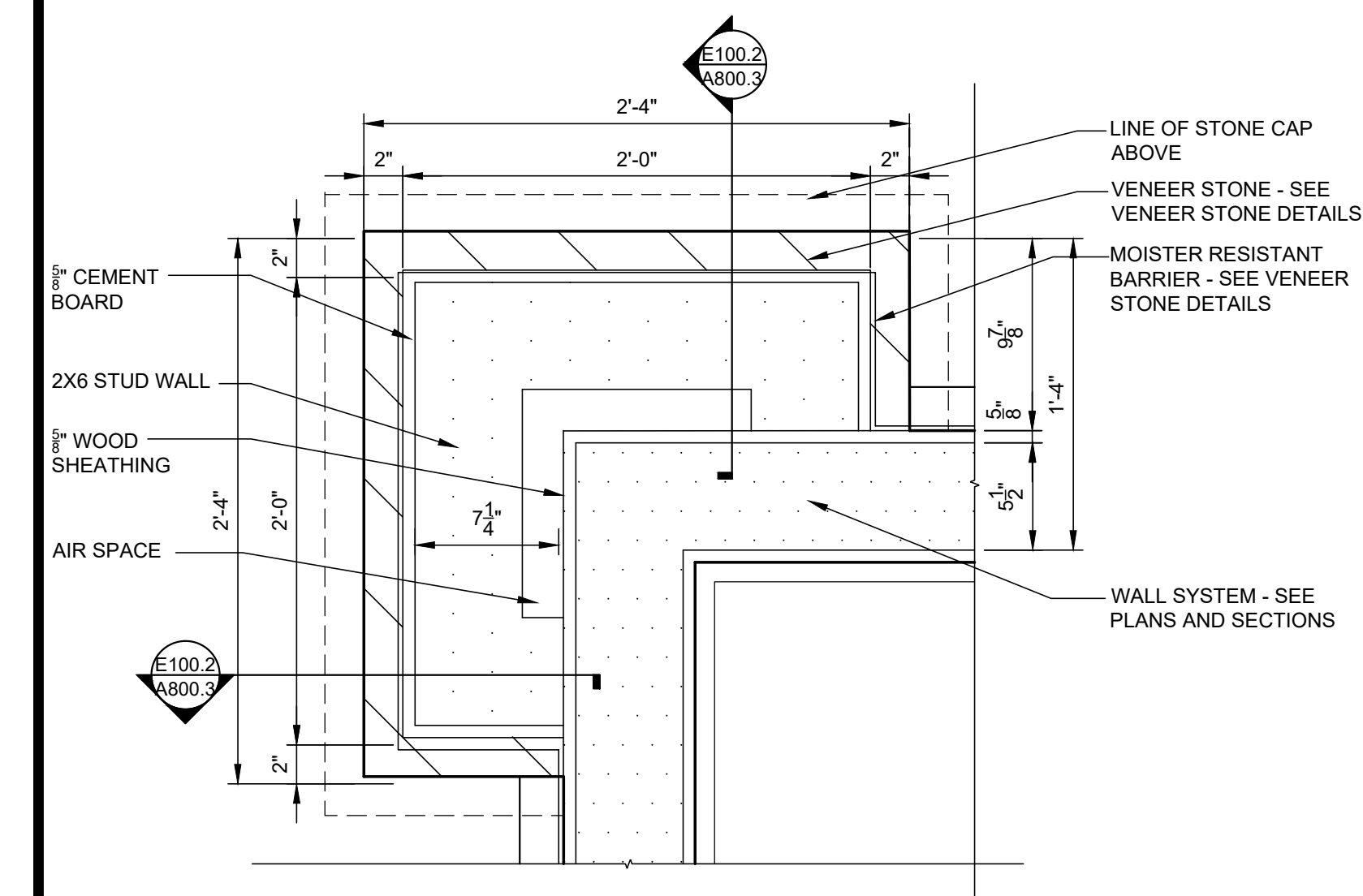
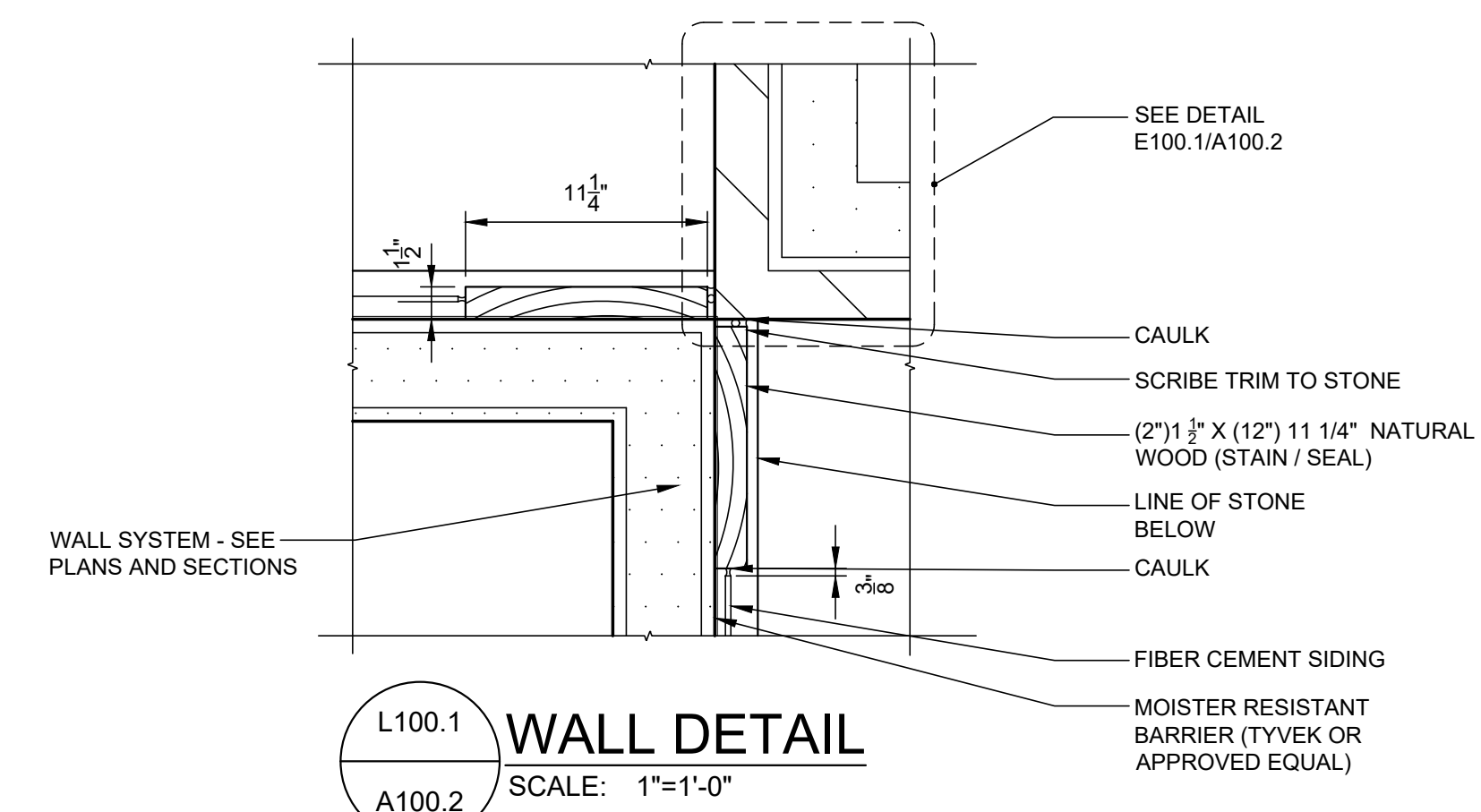
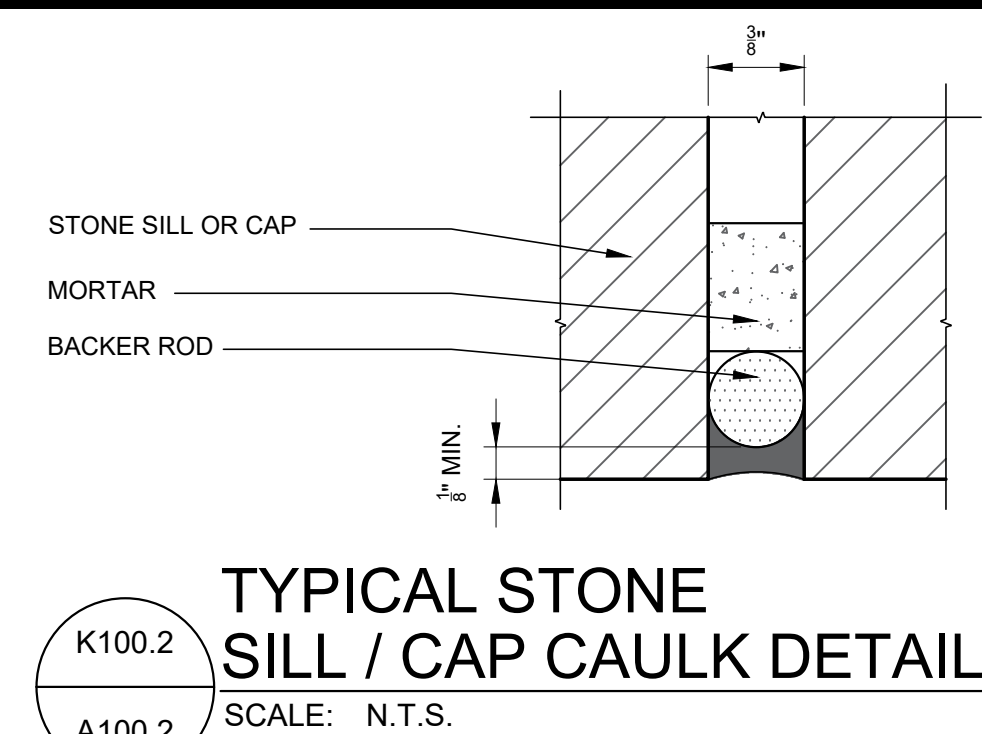
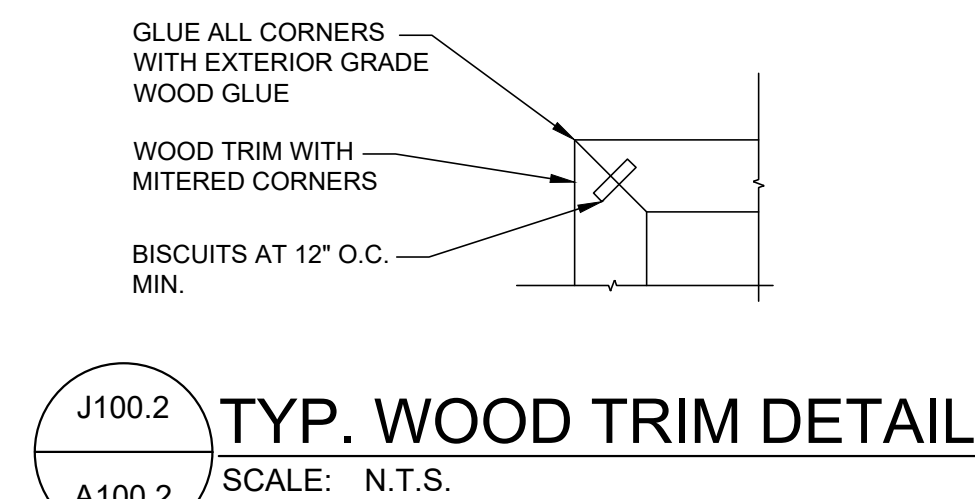
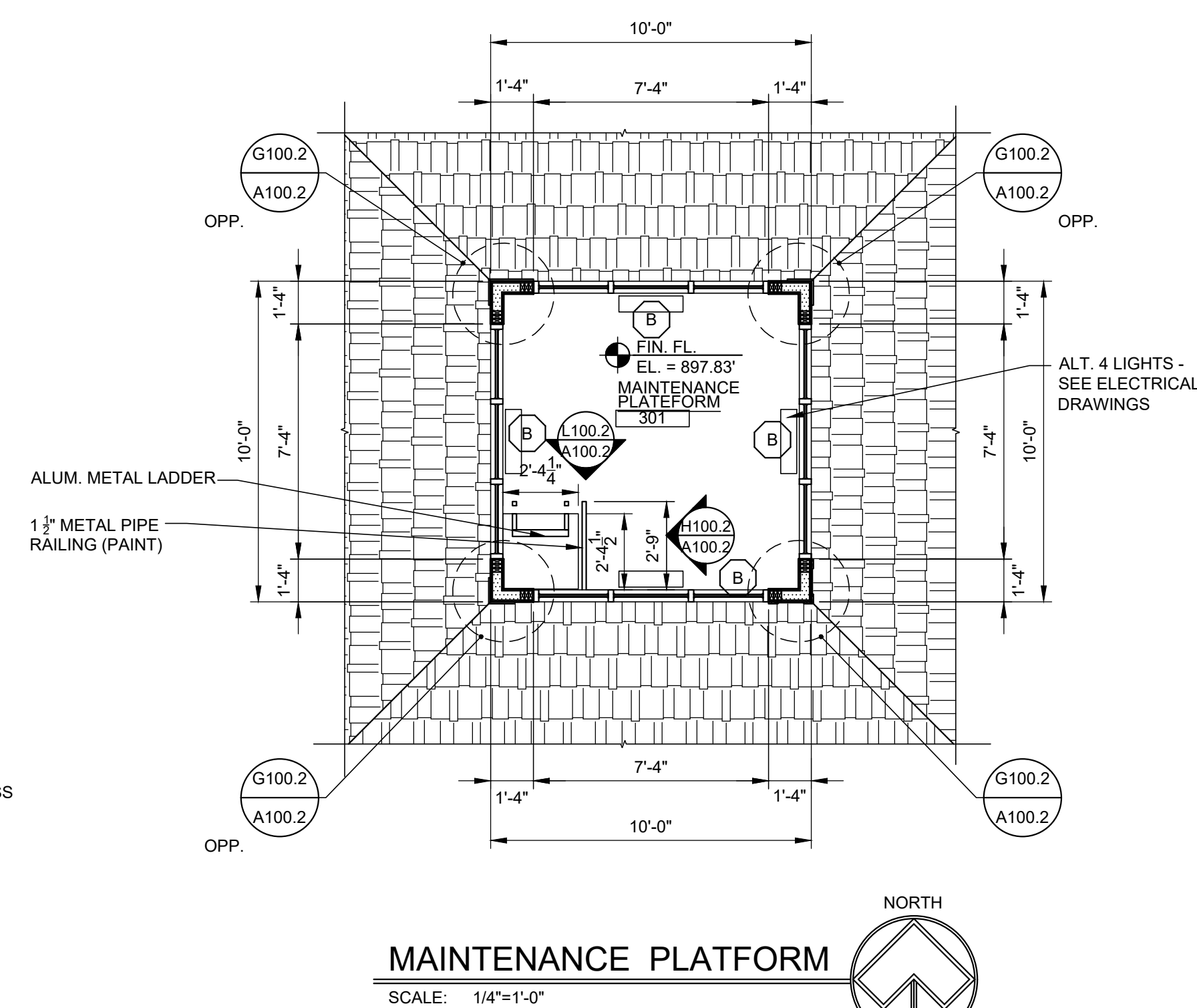
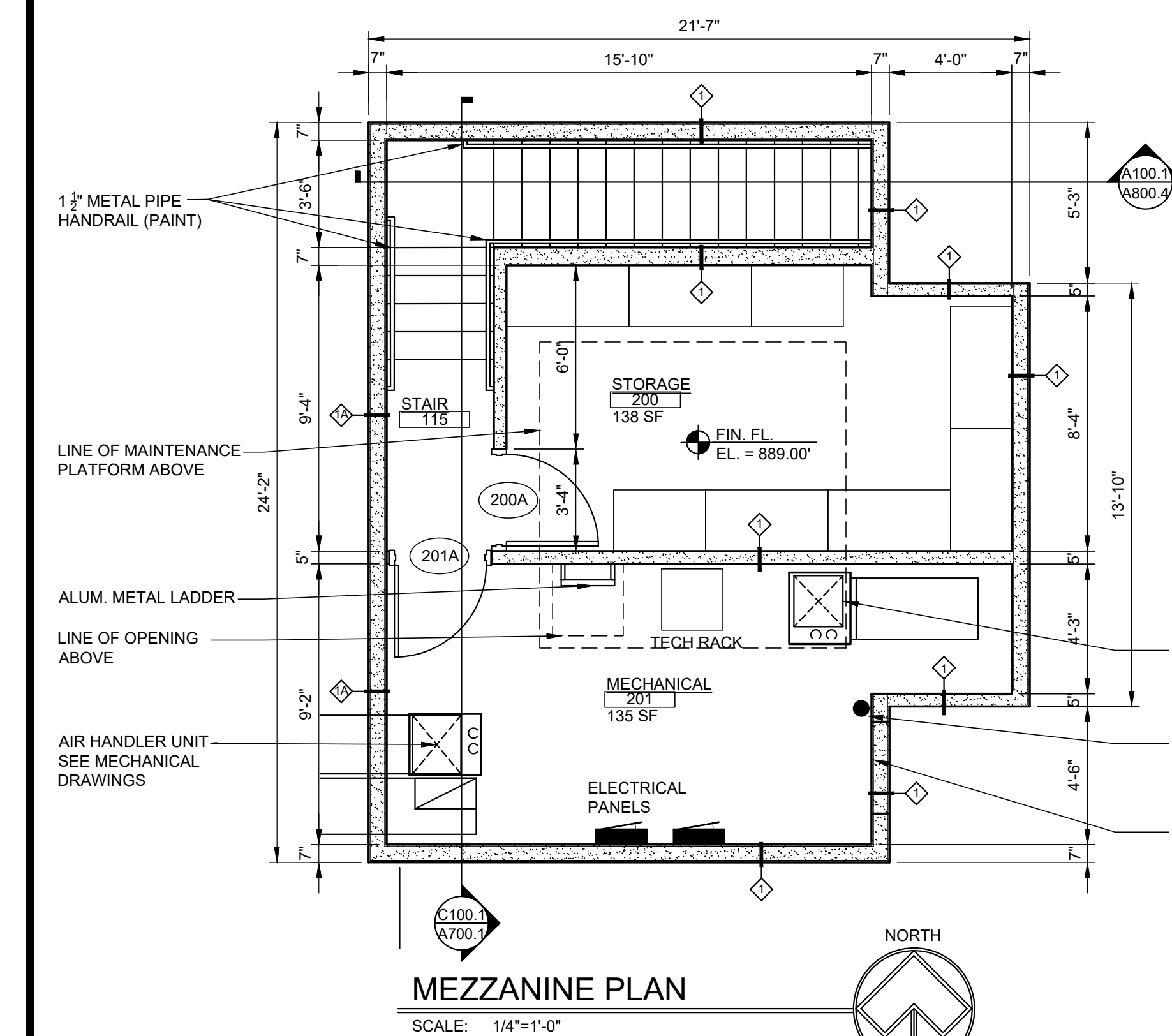
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A100.1



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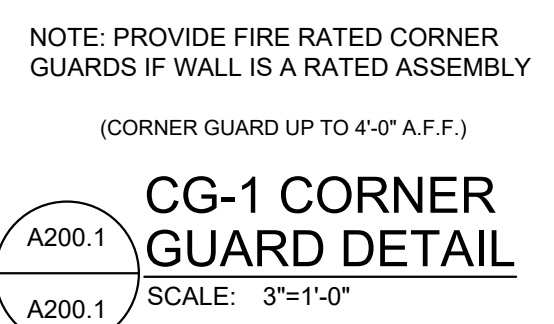
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CONSTRUCTION DOCUMENTS

A100.2



EQUIPMENT LEGEND				
TAG	DESCRIPTION	SUPPLIED BY	INSTALLED BY	NOTES
①	REFRIGERATOR	CONTRACTOR	CONTRACTOR	SPEC SECTION 11 31 13
②	MICROWAVE	CONTRACTOR	CONTRACTOR	SPEC SECTION 11 31 13
③	COFFEE POT	OWNER	OWNER	
④	P.O.S.	OWNER	OWNER	
⑤	PARK MAP	CONTRACTOR	CONTRACTOR	SPEC SECTION 10 14 00. GRAPHIC PROVIDED TO CONTRACTOR BY OWNER
⑥	ICE MACHINE	OTHERS	OTHERS	73" X 36"
⑦	DESKTOP PRINTER	OWNER	OWNER	
⑧	FREESTANDING COPIER	OWNER	OWNER	
⑨	GUN SAFE	OWNER	OWNER	30" X 24" X 60"H, (1) EXISTING & (1) NEW
⑩	RETAIL SHELVING	FF&E PACKAGE	FF&E PACKAGE	
⑪	RETAIL SHELVING	FF&E PACKAGE	FF&E PACKAGE	
⑫	SLATWALL	CONTRACTOR	CONTRACTOR	SPEC SECTION 10 56 17. LOW STORAGE UNDER ALT. 3 - SPEC SECTION 12 30 00 / DWG. 900.3
⑬	LAW ENFORCEMENT LOCKERS	CONTRACTOR	CONTRACTOR	SPEC SECTION 10 51 13
⑭	TASK CHAIR	FF&E PACKAGE	FF&E PACKAGE	
⑮	TASK CHAIR (EXISTING)	OWNER	OWNER	
⑯	L-SHAPED DESK	FF&E PACKAGE	FF&E PACKAGE	
⑰	GUEST CHAIR	FF&E PACKAGE	FF&E PACKAGE	
⑱	BOOKCASE	FF&E PACKAGE	FF&E PACKAGE	
⑲	LATERAL FILE	FF&E PACKAGE	FF&E PACKAGE	
⑳	SIDE TABLE	FF&E PACKAGE	FF&E PACKAGE	
㉑	STACK CHAIR	FF&E PACKAGE	FF&E PACKAGE	
㉒	RECTANGULAR ACTIVITY TABLE	FF&E PACKAGE	FF&E PACKAGE	
㉓	TASK STOOL	FF&E PACKAGE	FF&E PACKAGE	
㉔	PICNIC TABLE W/ ATTACHED CHAIRS	FF&E PACKAGE	FF&E PACKAGE	
㉕				
㉖	MANUAL WINDOW SHADES	CONTRACTOR	CONTRACTOR	SPEC SECTION 12 49 40
㉗	PHOTO FRAME RAIL/HANGING SYSTEM	CONTRACTOR	CONTRACTOR	SPEC SECTION 10 11 00
㉘	SAFE	OWNER	OWNER	LOCATED INSIDE TALL CABINET
㉙	HIN STAMPER SET	OWNER	OWNER	
㉚	BAIT FRIDGE	OWNER	OWNER	
㉛	COLD FOOD FRIDGE	OWNER	OWNER	
㉜	COLD FOOD FREEZER	OWNER	OWNER	
㉝	VENDING MACHINE	OTHERS	OTHERS	
㉞	TV	FF&E PACKAGE	FF&E PACKAGE	
㉟	BODY CAM AND TASER CHARGING STATION	OWNER	OWNER	CONTRACTOR TO PROVIDE POWER/DATA. UNITS TO SET ATOP THE GUN SAFE(S)
㊱	FIREWOOD PALLET	OWNER	OWNER	

KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/25

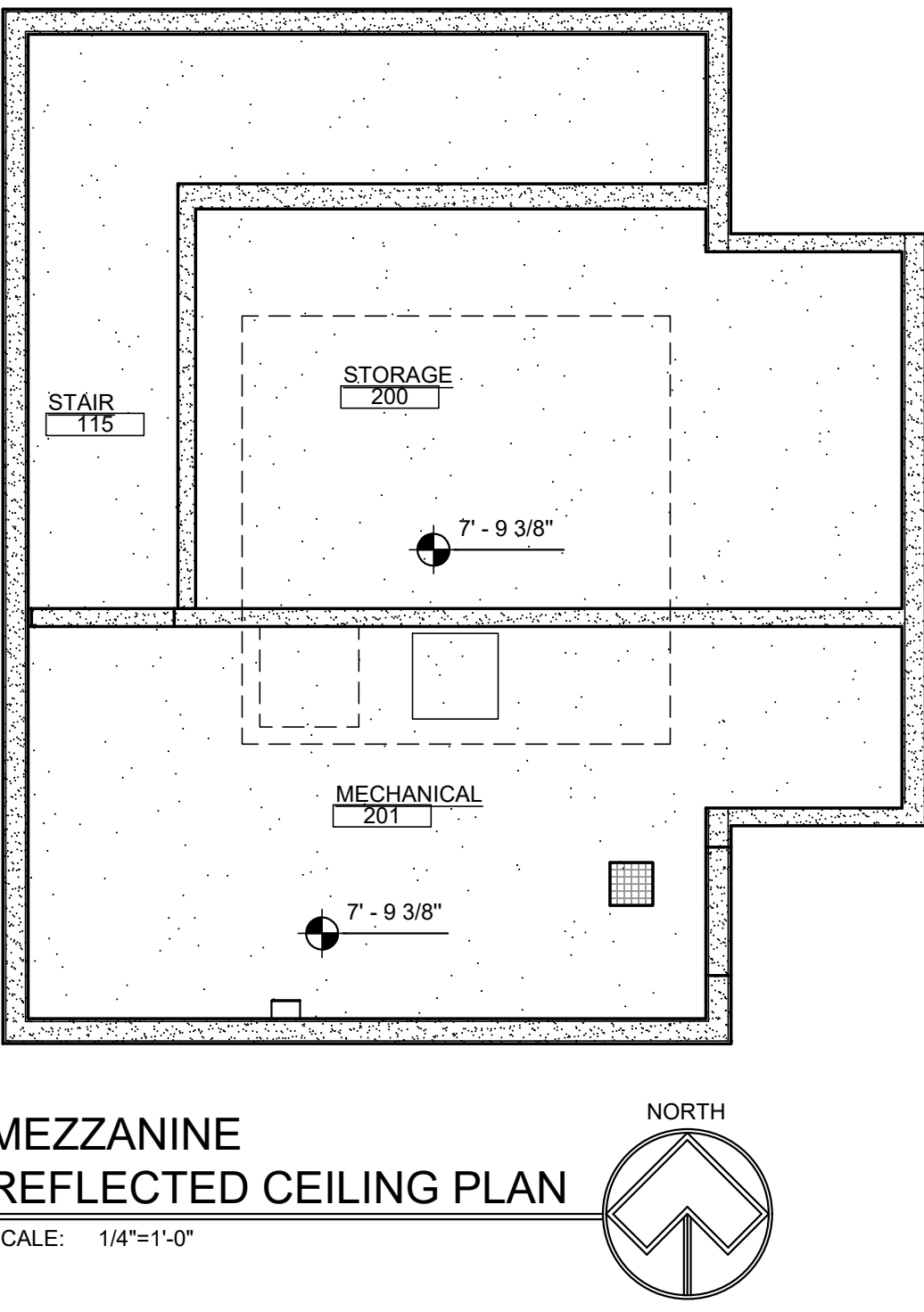
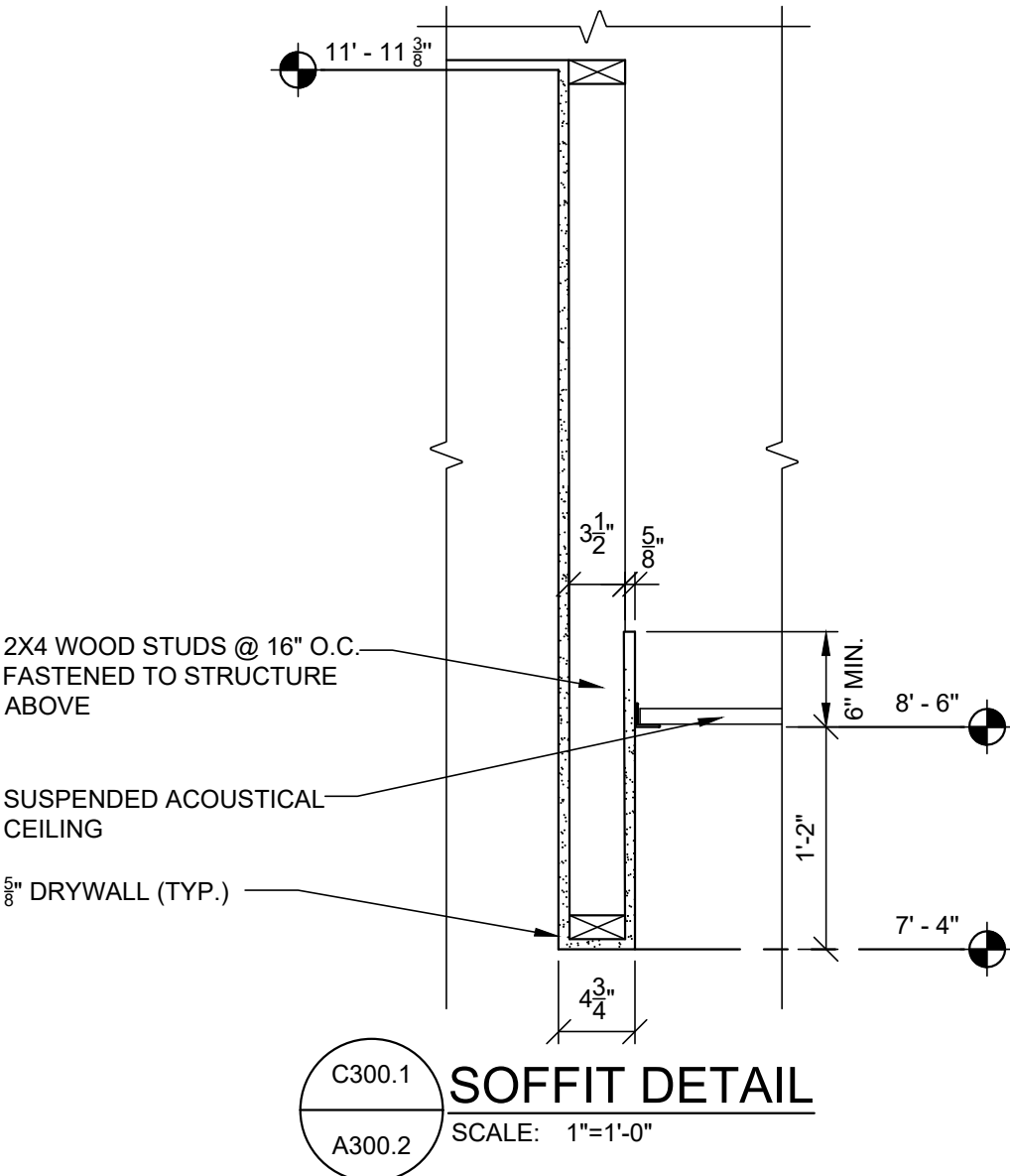
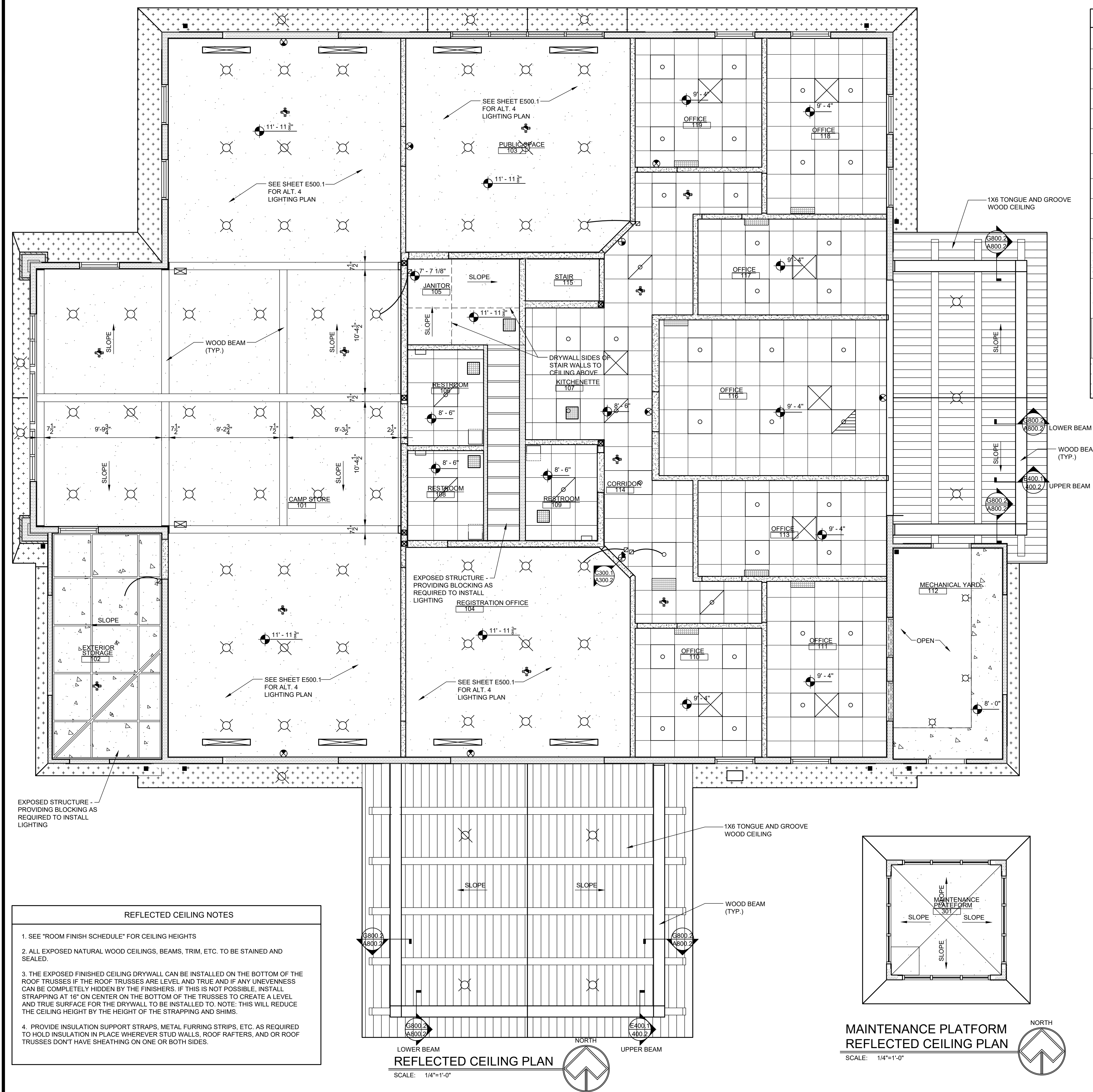
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A200.1



STATE OF OHIO

KENT D. BUEHRER

11087

REG. ARCHT.

11087

12/31/25

09/19/25

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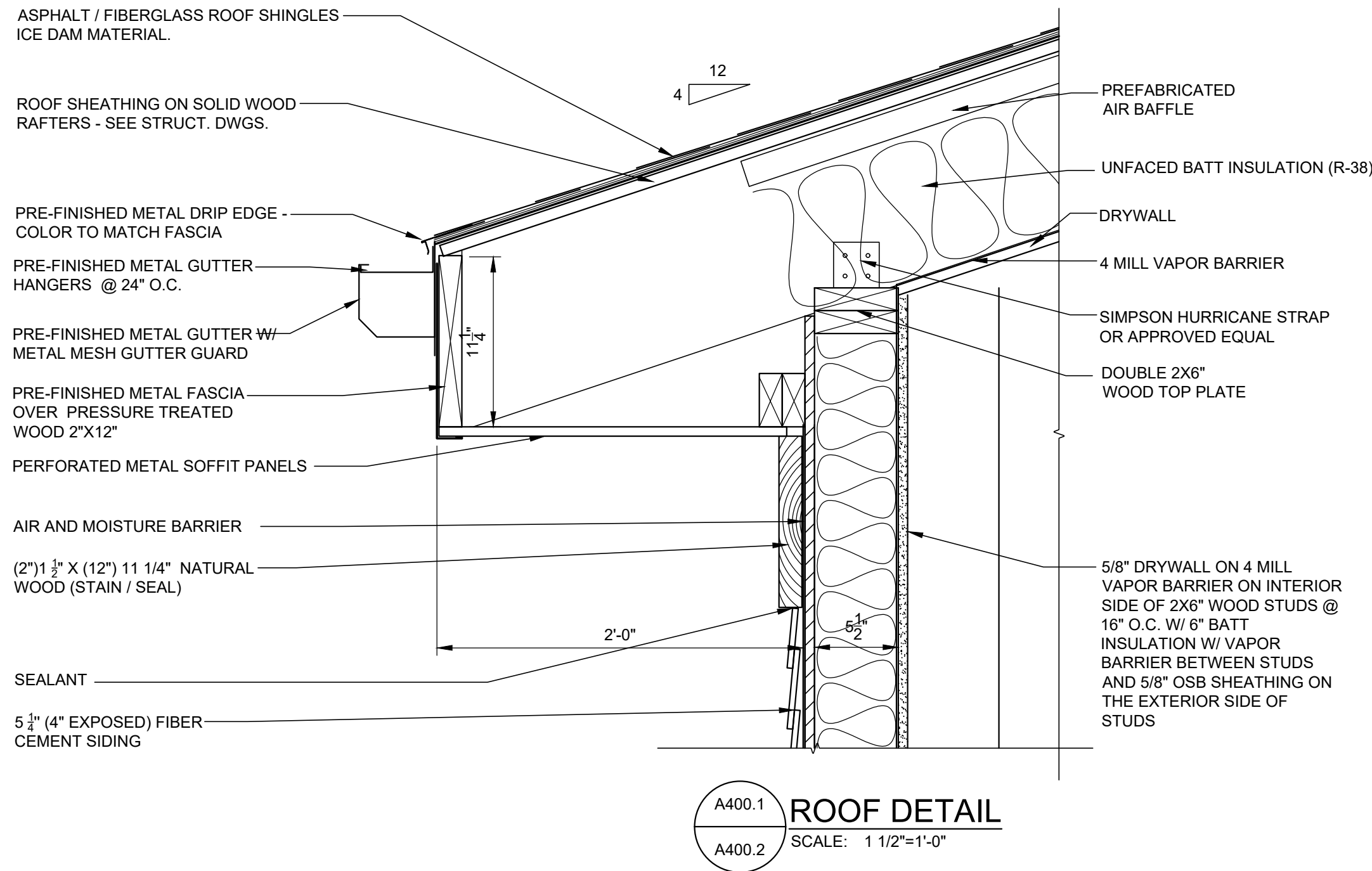
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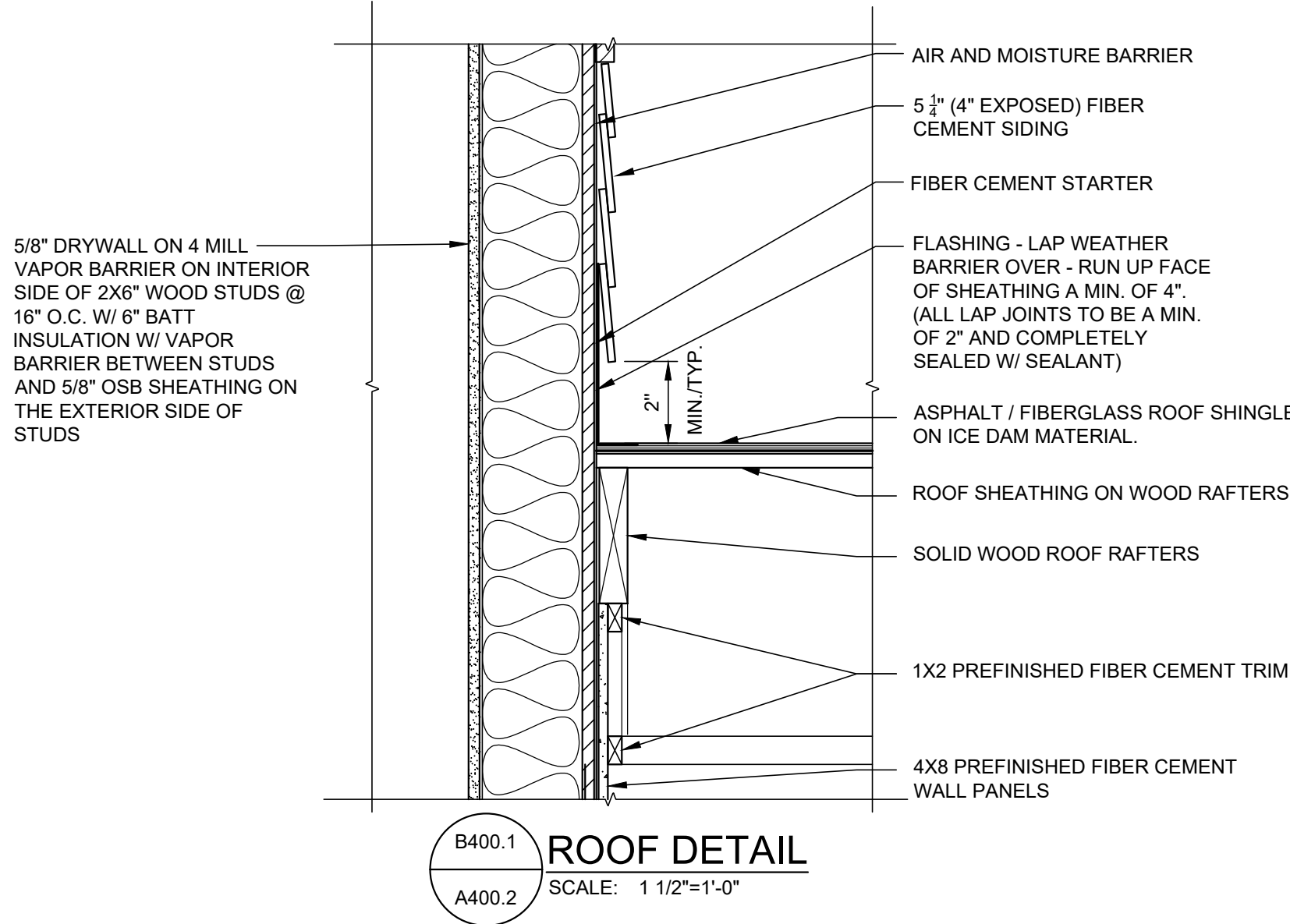
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CONSTRUCTION DOCUMENTS

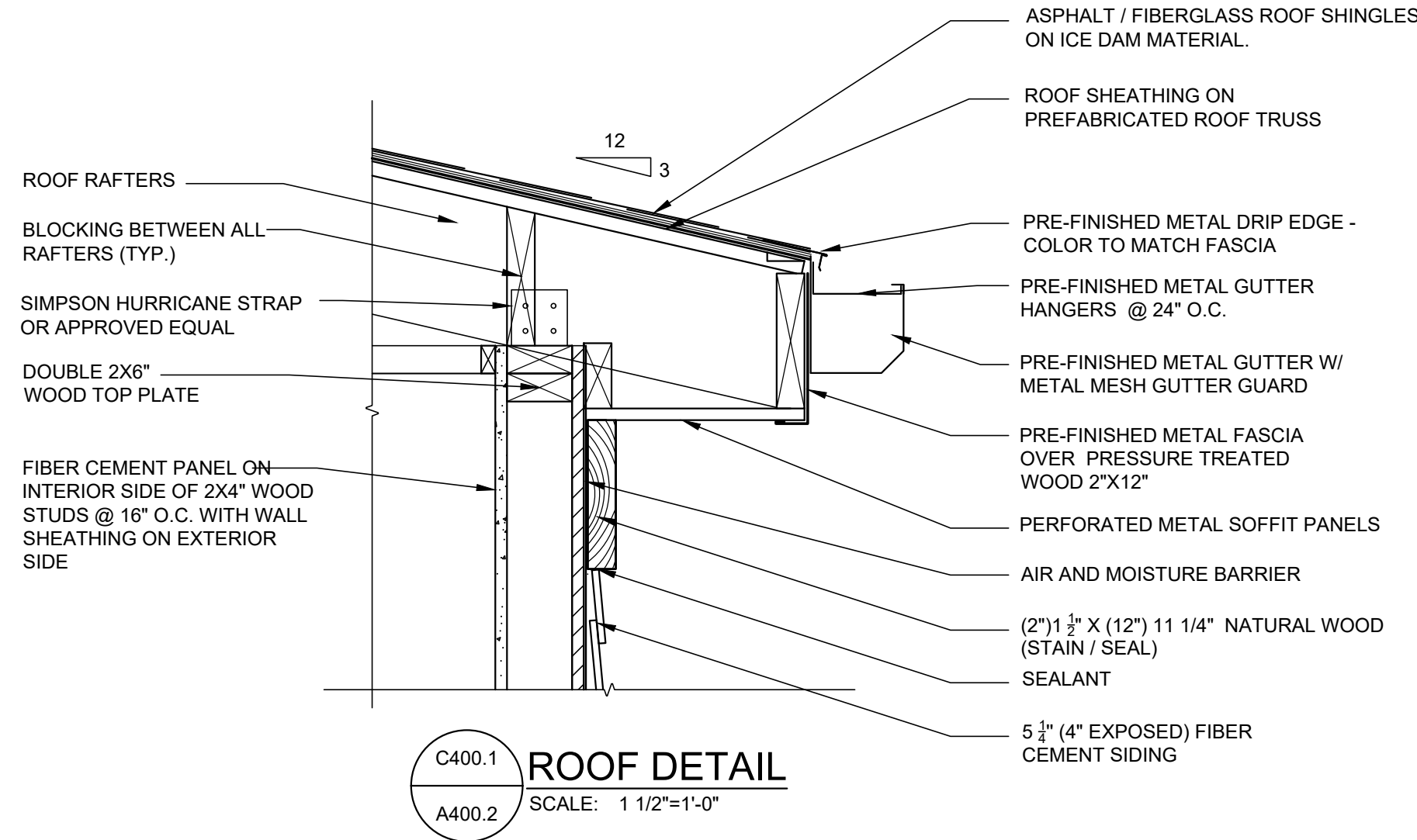
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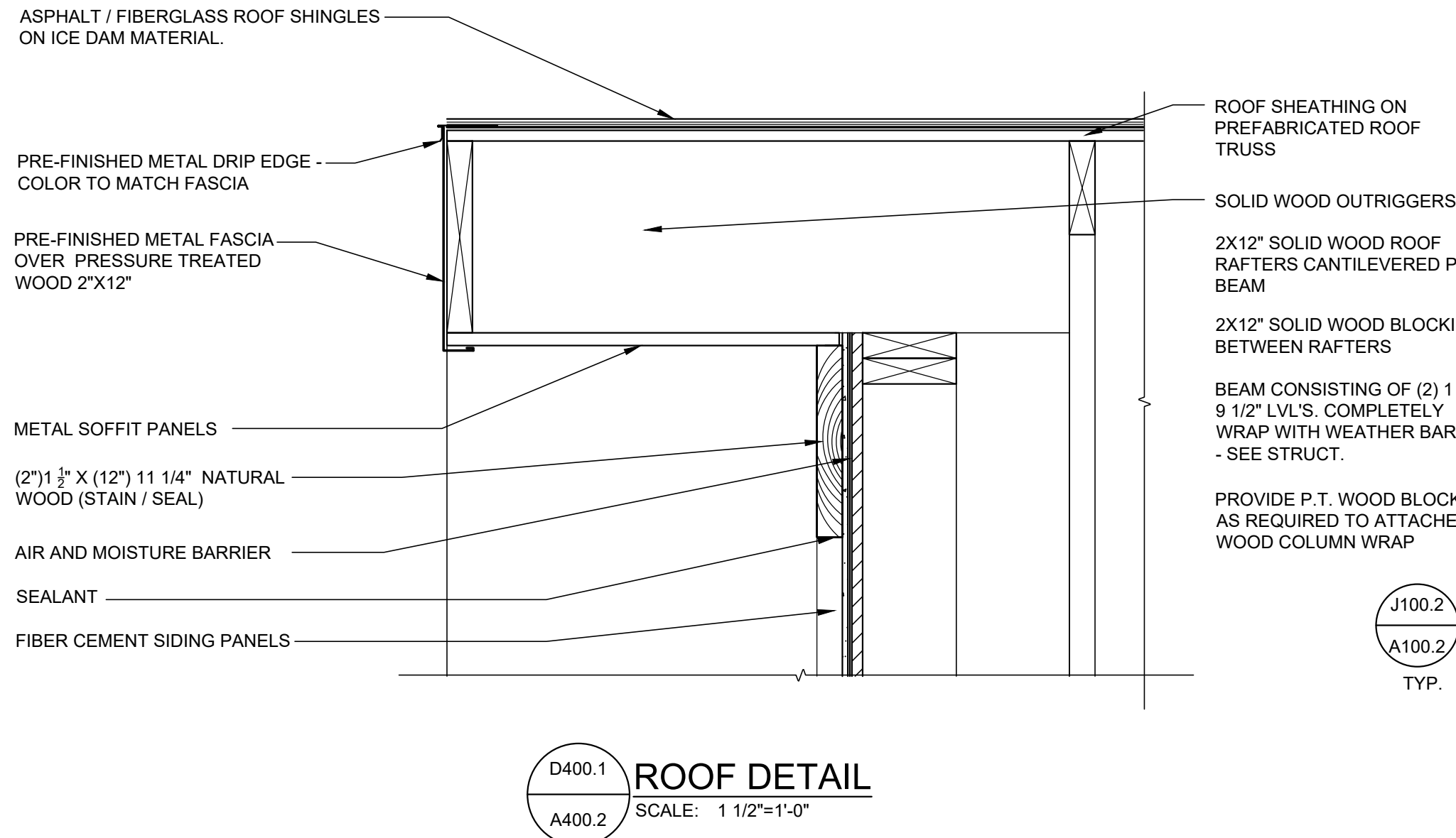
A400.1 ROOF DETAIL
A400.2 SCALE: 1 1/2"=1'-0"



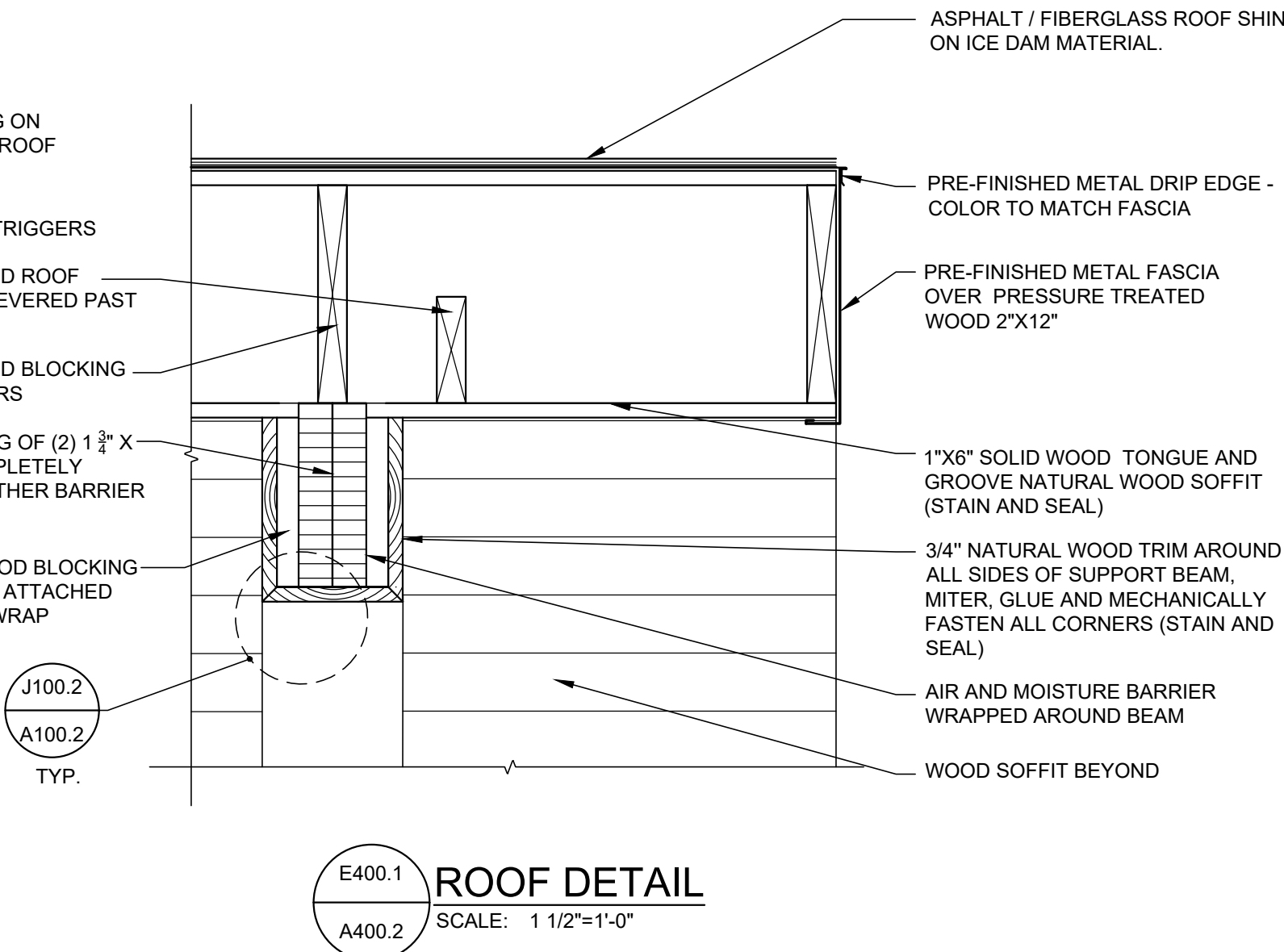
B400.1 ROOF DETAIL
A400.2 SCALE: 1 1/2"=1'-0"



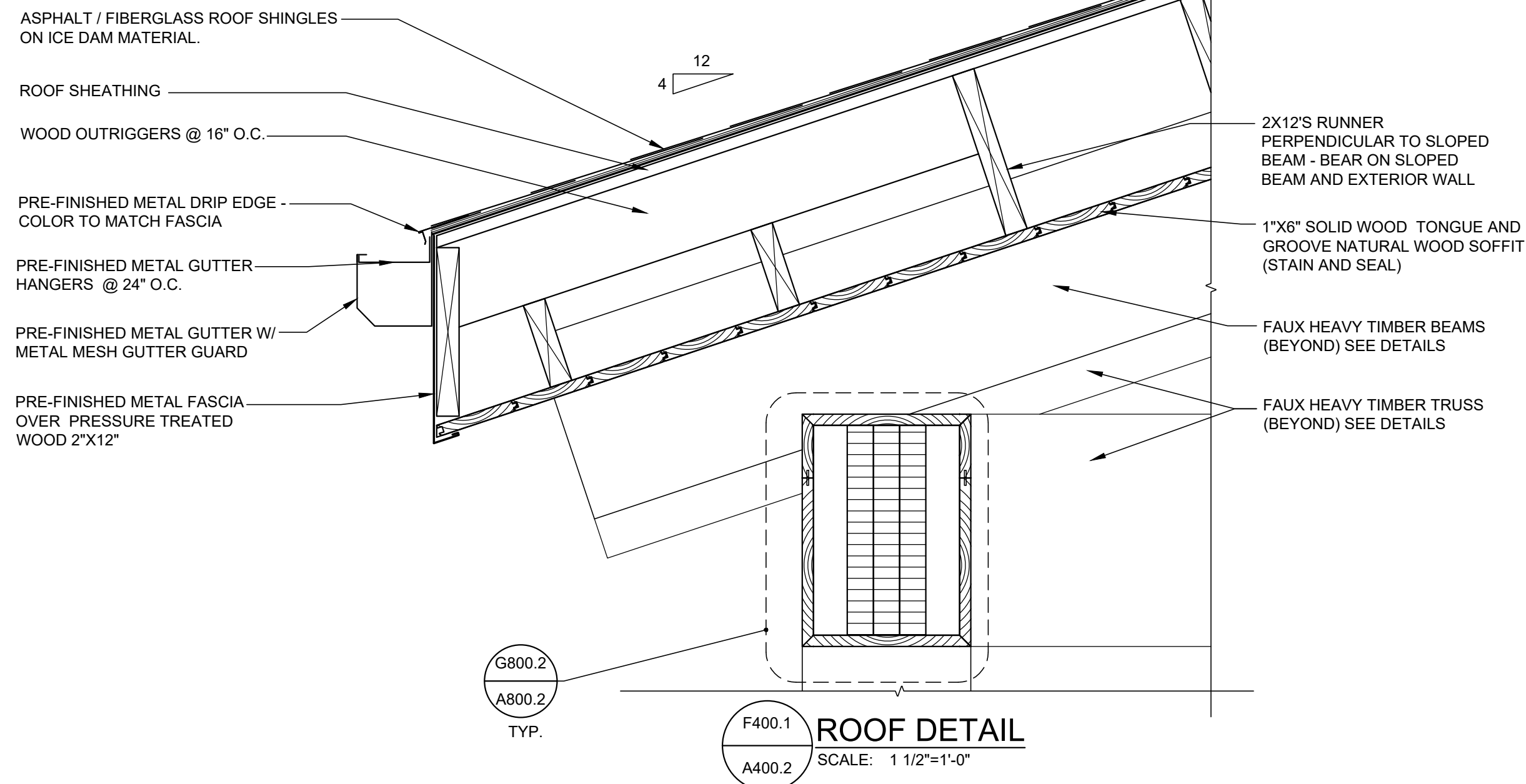
C400.1 ROOF DETAIL
A400.2 SCALE: 1 1/2"=1'-0"



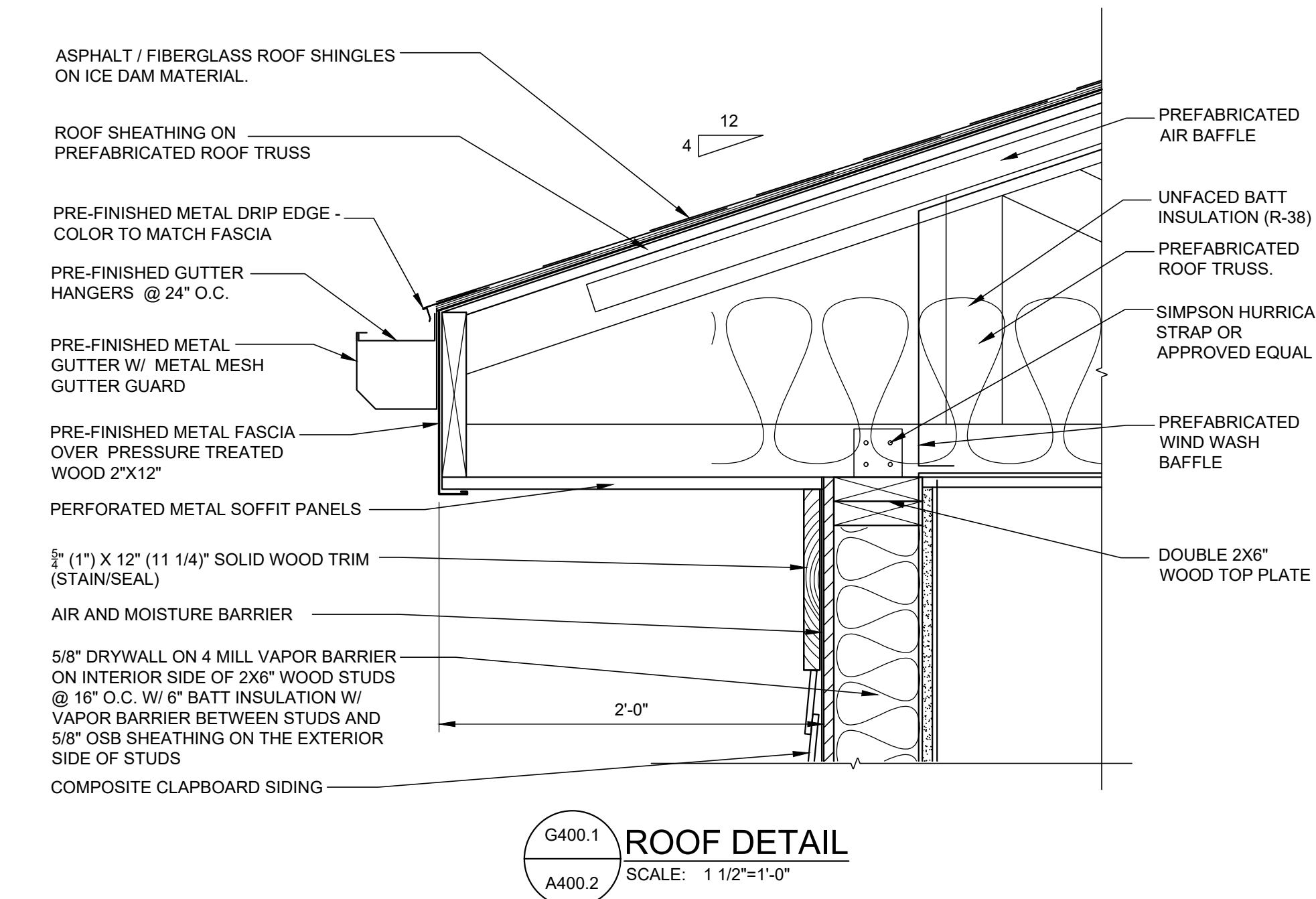
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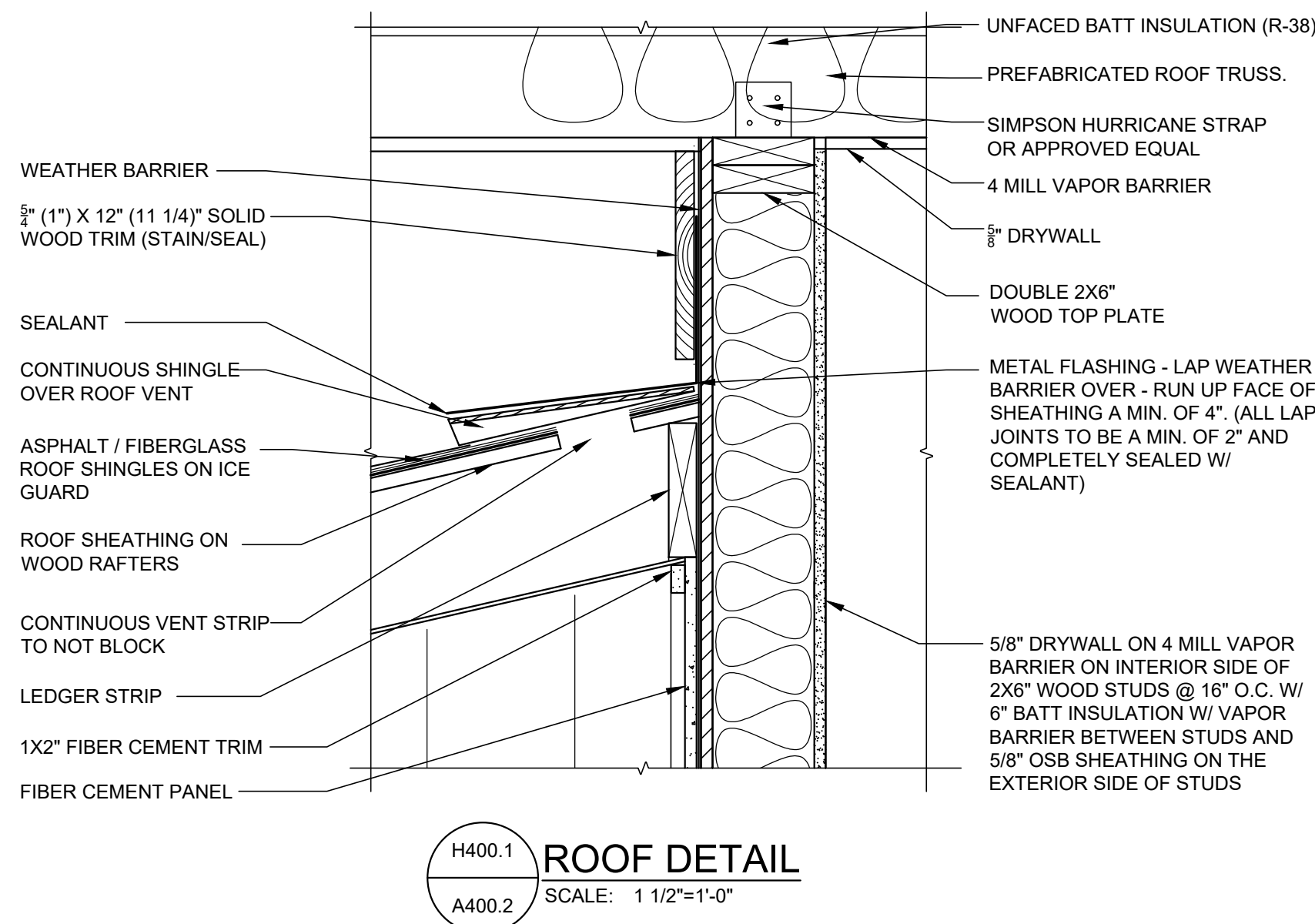
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A400.2 SCALE: 1 1/2"=1'-0"



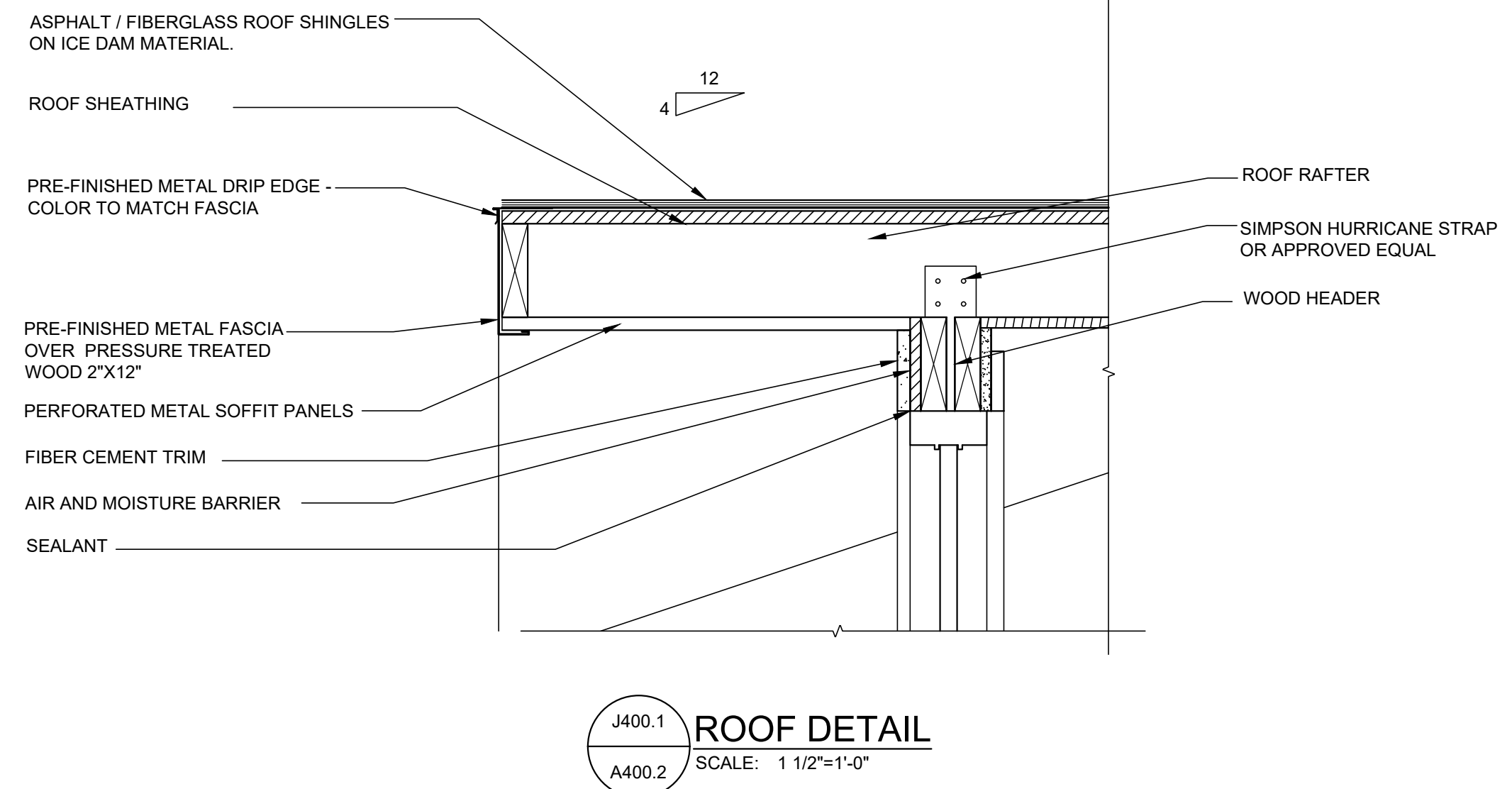
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A400.2 SCALE: 1 1/2"=1'-0"



G400.1 ROOF DETAIL
A400.2 SCALE: 1 1/2"=1'-0"



H400.1 ROOF DETAIL
A400.2 SCALE: 1 1/2"=1'-0"



J400.1 ROOF DETAIL
A400.2 SCALE: 1 1/2"=1'-0"



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JOB NUMBER: 241224	
CONSTRUCTION DOCUMENTS	

A400.2



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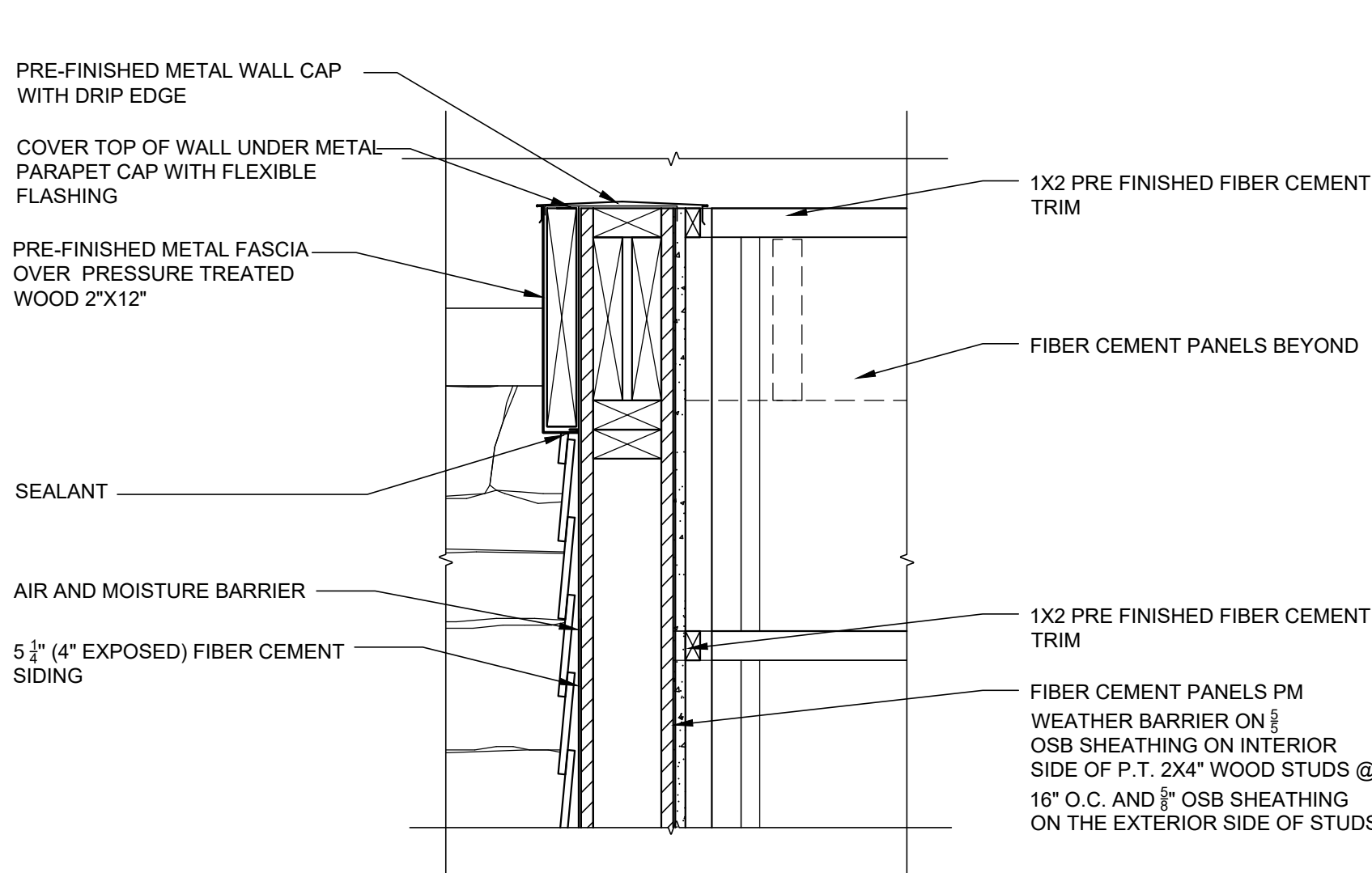
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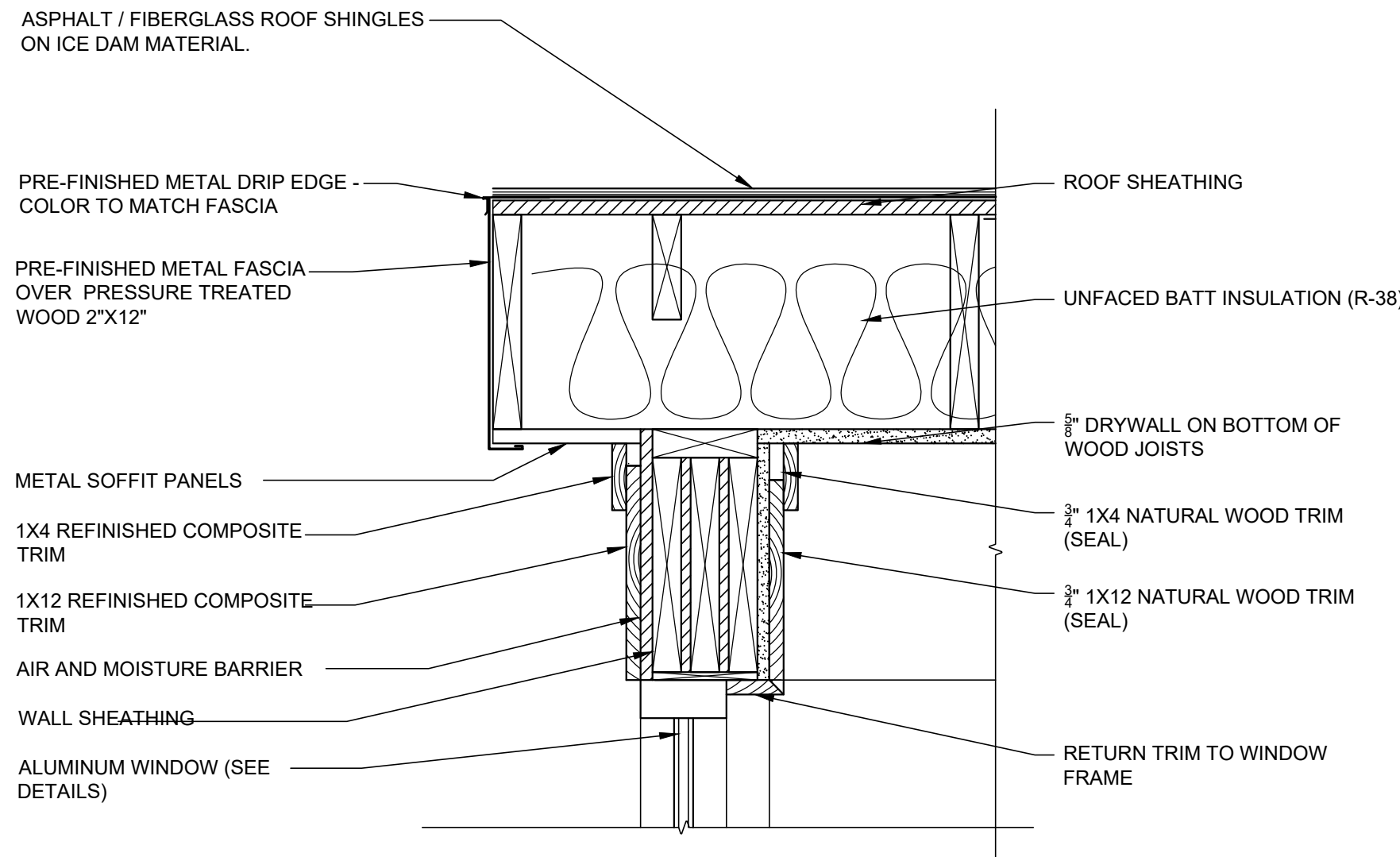
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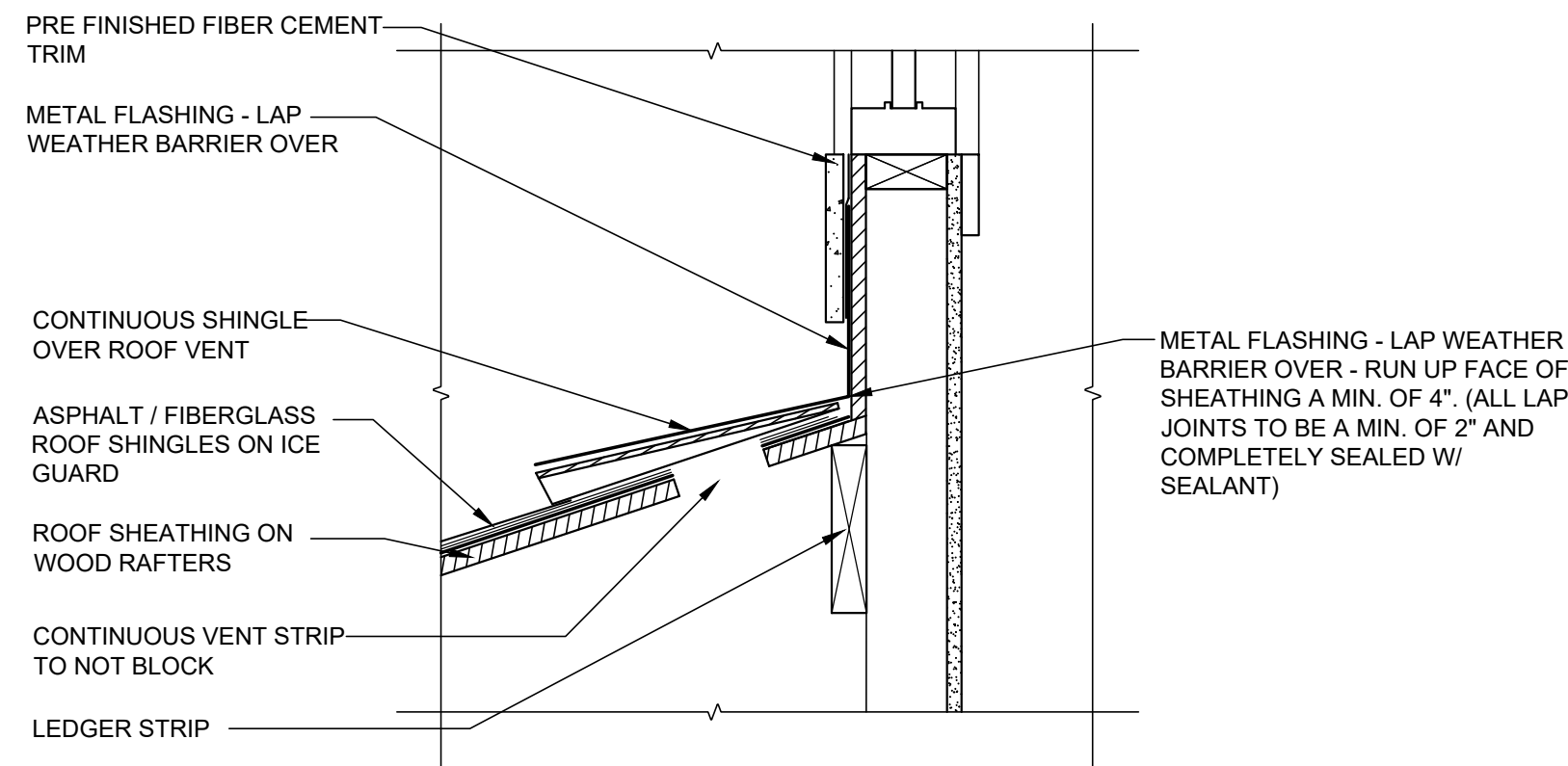
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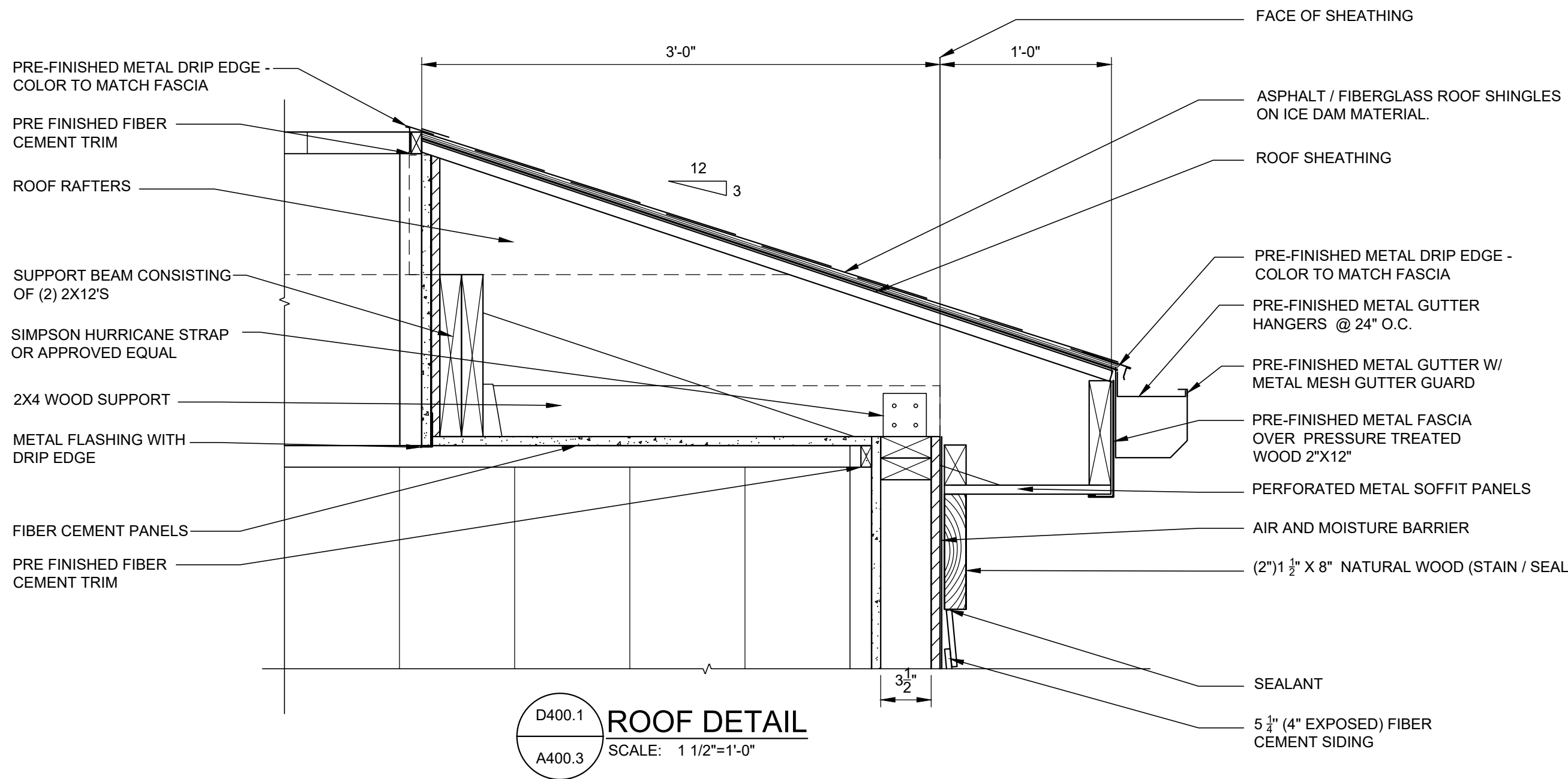
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A400.3
ROOF DETAIL
SCALE: 1 1/2"=1'-0"



B400.1
A400.3
ROOF DETAIL
SCALE: 1 1/2"=1'-0"



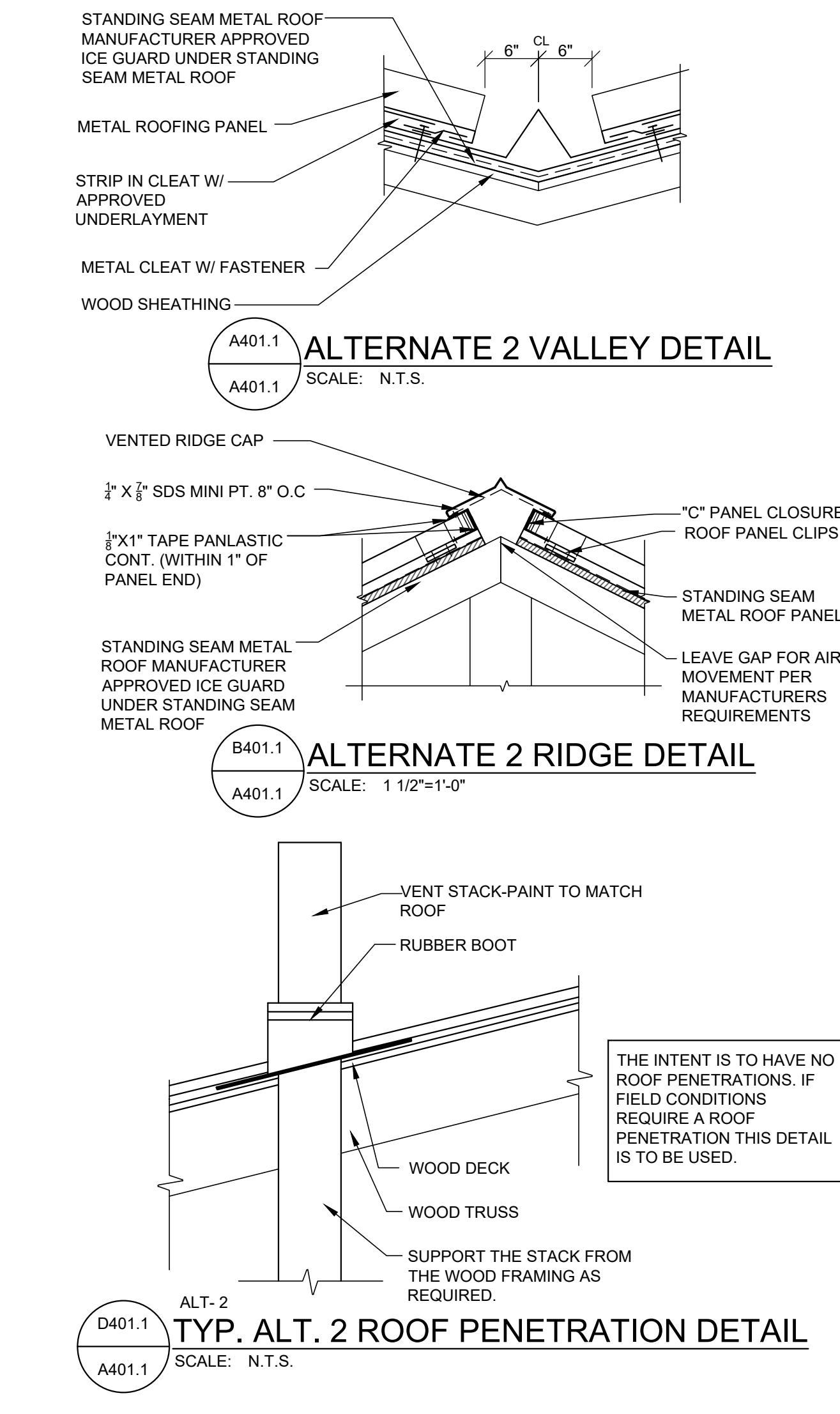
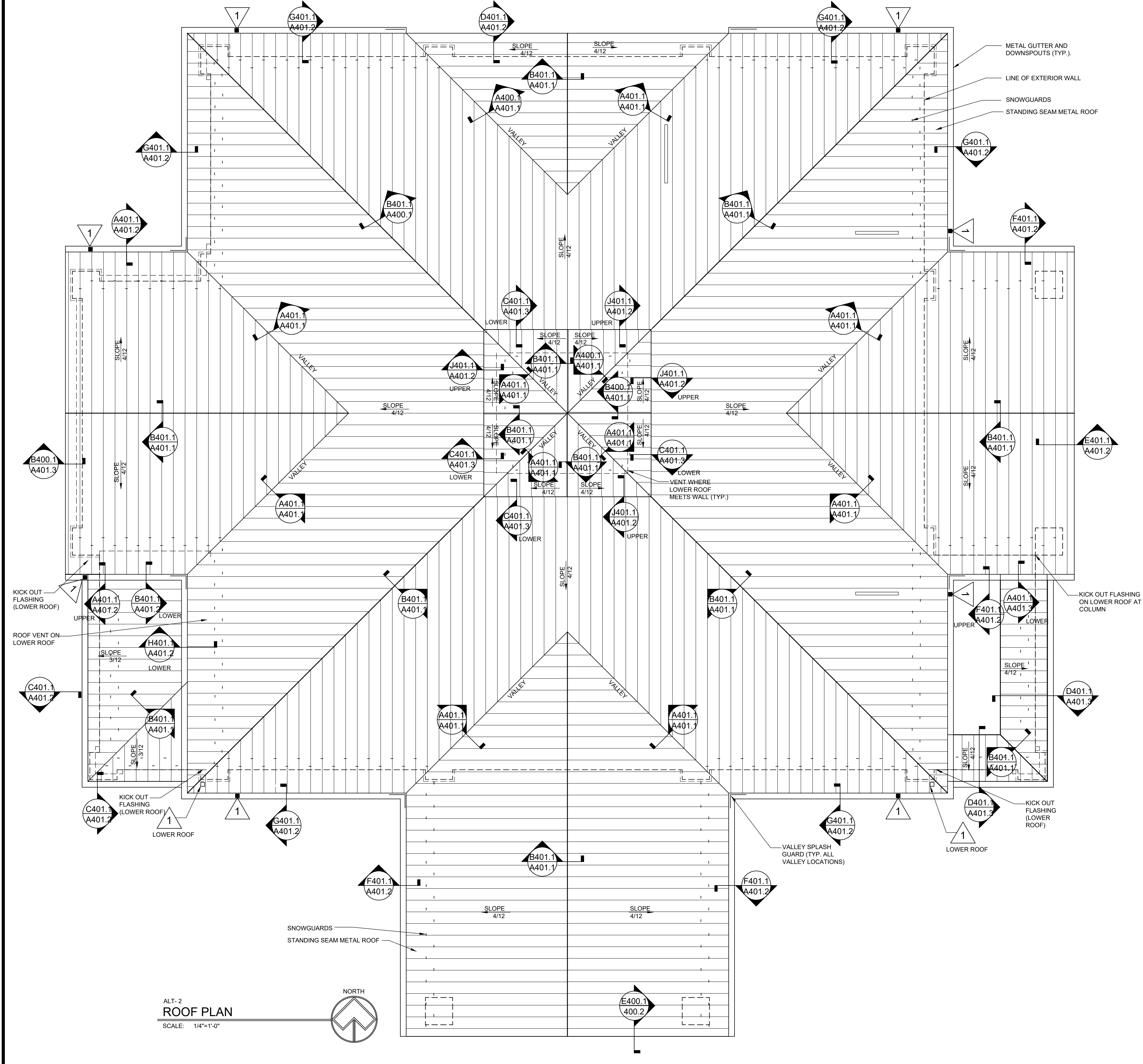
C400.1
A400.3
ROOF DETAIL
SCALE: 1 1/2"=1'-0"



D400.1
A400.3
ROOF DETAIL
SCALE: 1 1/2"=1'-0"

ROOF DETAIL NOTES

1. PROVIDE INTERMETALIC SEPARATION WHERE REQ'D
2. ALL FASTENERS THAT PENETRATE FLASHING TO BE SELF SEALING TYPE.
3. ALL ROOF CURBS ON SLOPES OVER 1/2"/12" TO HAVE BOTTOMS WHICH MATCH THE ROOF SLOPE & TOPS WHICH ARE LEVEL.
4. PROVIDE ROOF SADDLES ON THE UP SLOPE SIDE OF CURBS.
5. PROVIDE INSULATION SUPPORT STRAPS, METAL FURRING STRIPS, ETC. AS REQUIRED TO HOLD INSULATION IN PLACE WHEREVER STUD WALLS DON'T HAVE SHEATHING ON ONE OR BOTH SIDES.



ROOF NOTES	
1.	PROVIDE INTERMETALIC SEPARATION WHERE REQ'D
2.	ALL FASTENERS THAT PENETRATE FLASHING TO BE SELF SEALING TYPE.
3.	ALL FASTENERS, INCLUDING BUT NOT LIMITED TO RIVETS AND SCREWS, ARE TO BE STAINLESS STEEL AND COLORED TO MATCH ADJACENT METAL COLOR.
4.	KEEP ALL ROOF PENETRATIONS TO A MINIMUM
5.	COORDINATE DOWNSPOUT LOCATIONS WITH ELEVATIONS
6.	ENTIRE AREA OF ROOF CALLED OUT TO RECEIVE ASPHALT SHINGLES IS TO RECEIVE ICE BARRIER MATERIAL FOR ENTIRE UNDERLAYMENT (SEE SPECIFICATIONS)
7.	ICE GUARD TO BE APPROVED BY THE ROOFING MANUFACTURER.
8.	ALL ROOF SHEATHING TO BE MINIMUM 3/4" PLYWOOD OR OSB EXTERIOR APA-STRUCTURAL GRADE. USE 8d COMMON NAILS AT 6" ON CETER AT EDGES AND 12" ON CENTER AT INTERMEDIATES.
9.	ALL WALL SHEATHING TO BE MINIMUM 5/8" PLYWOOD OR OSB EXTERIOR APA-STRUCTURAL GRADE. USE 8d COMMON NAILS AT 6" ON CETER AT EDGES AND 12" ON CENTER AT INTERMEDIATES.
10.	R-VALUE OF ROOF INSULATION SHALL BE R-38
11.	FIBER CEMENT SIDING TO BE A MINIMUM 2" ABOVE ROOF SURFACE, OR PER MANUFACTURER'S REQUIREMENTS.
12.	ALL EXPOSED FLASHING TO MATCH ROOF COLOR
13.	ALL ROOF PANELS SHALL BE CONTINUOUS FROM EAVE TO RIDGE. LAP JOINTS WILL NOT BE ACCEPTED.
14.	LOCATE ALL ROOF CURBS, EXHAUST HOODS, VENTS, ETC. TO MISS STANDING SEAMS.
15.	COORDINATE ALL FLASHING WITH STANDING SEAM METAL ROOF MANUFACTURE'S WARRANTY REQUIREMENTS.
16.	ICE GUARD TO BE APPROVED BY THE STANDING SEAM ROOF MANUFACTURE.
17.	PROVIDE VALLEY SPLASH GUARDS AT ALL VALLEY LOCATIONS AND KICK OUT FLASHING AT THE LOW END OF ALL ROOF TO SIDE WALL SLOPES.
18.	INSTALL METAL MESH GUTTER GUARDS ON ALL GUTTERS.

ROOF HATCH LEGEND	
	UNDER ALTERNATE #2 - 22 GAUGE STANDING SEAM METAL ROOFING PANELS ON ICE GUARD ON 3/4" WOOD DECK. ICE DAM MATERIAL TO BE OVER ENTIRE FIELD OF ROOF.

ROOF TAGS	
	5" DOWNSPOUT - COORDINATE WITH ELEVATIONS AND SITE PLAN. PROVIDE DOWNSPOUT STRAPS MINIMUM 8'-0" O.C.

STATE OF OHIO
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11087
KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/25
SIGNATURE DATE 09/19/25

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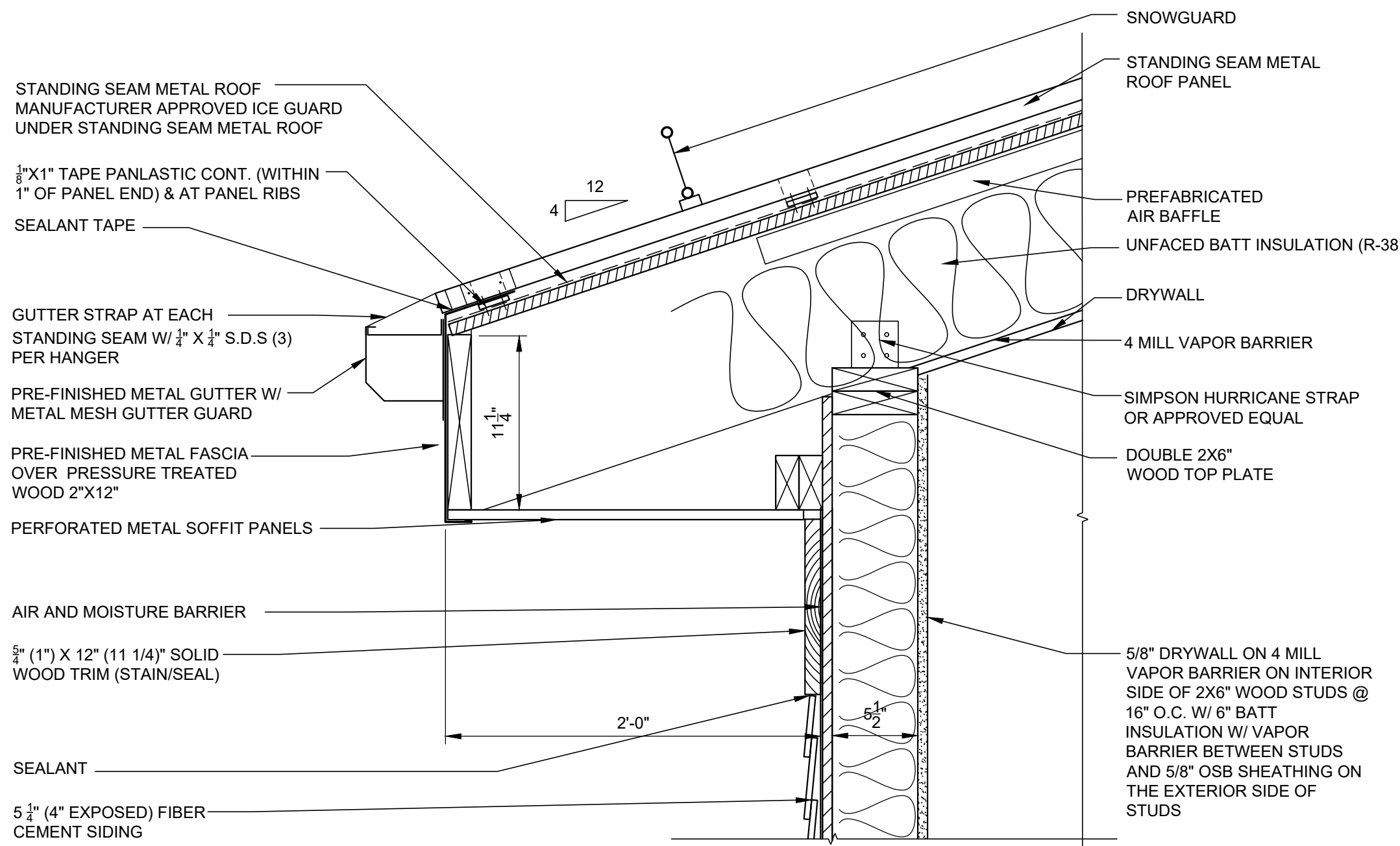
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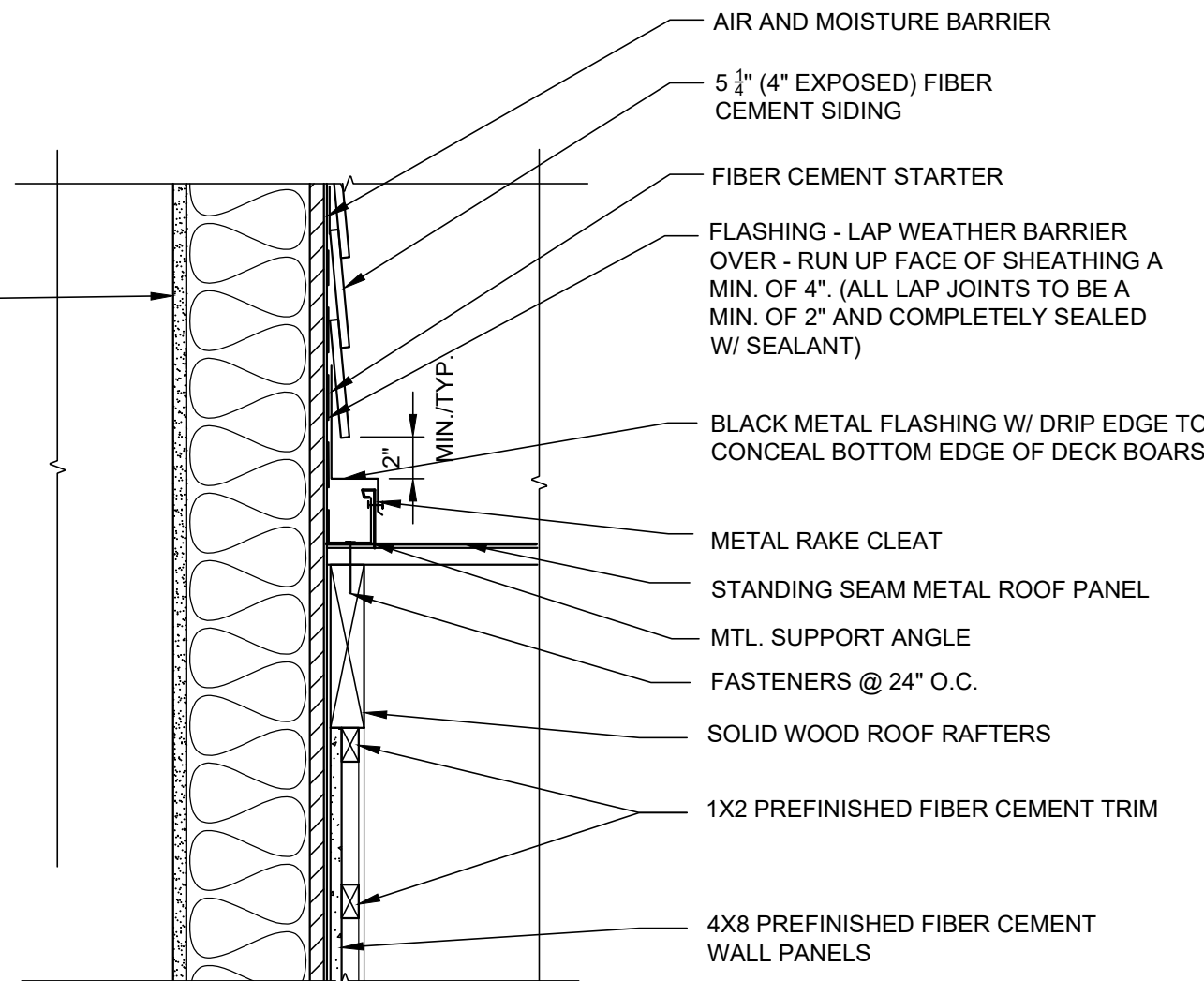
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CONSTRUCTION DOCUMENTS

A401.1

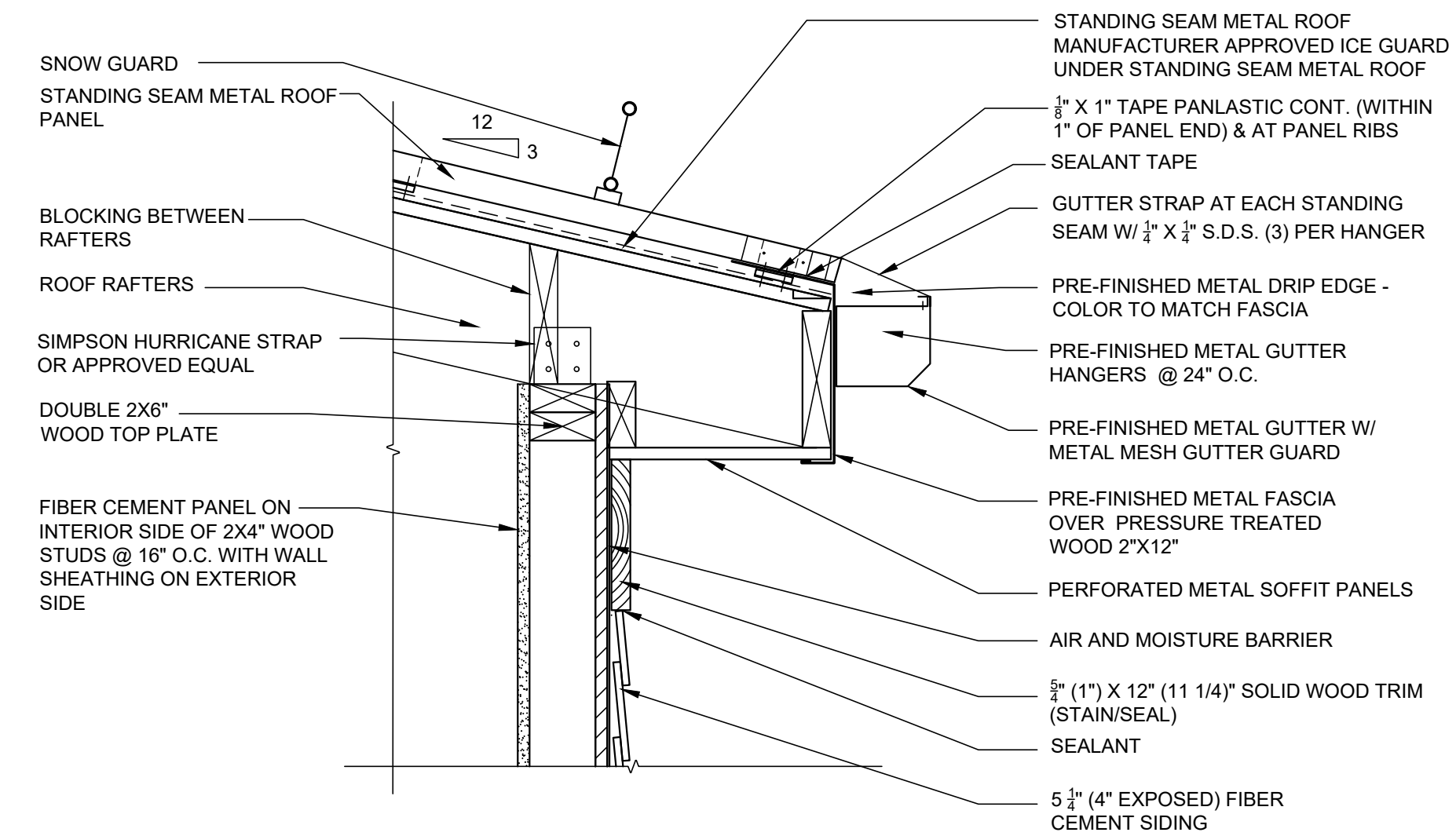


A401.1 ALT. 2 ROOF DETAIL
A401.2 SCALE: 1 1/2"=1'-0"

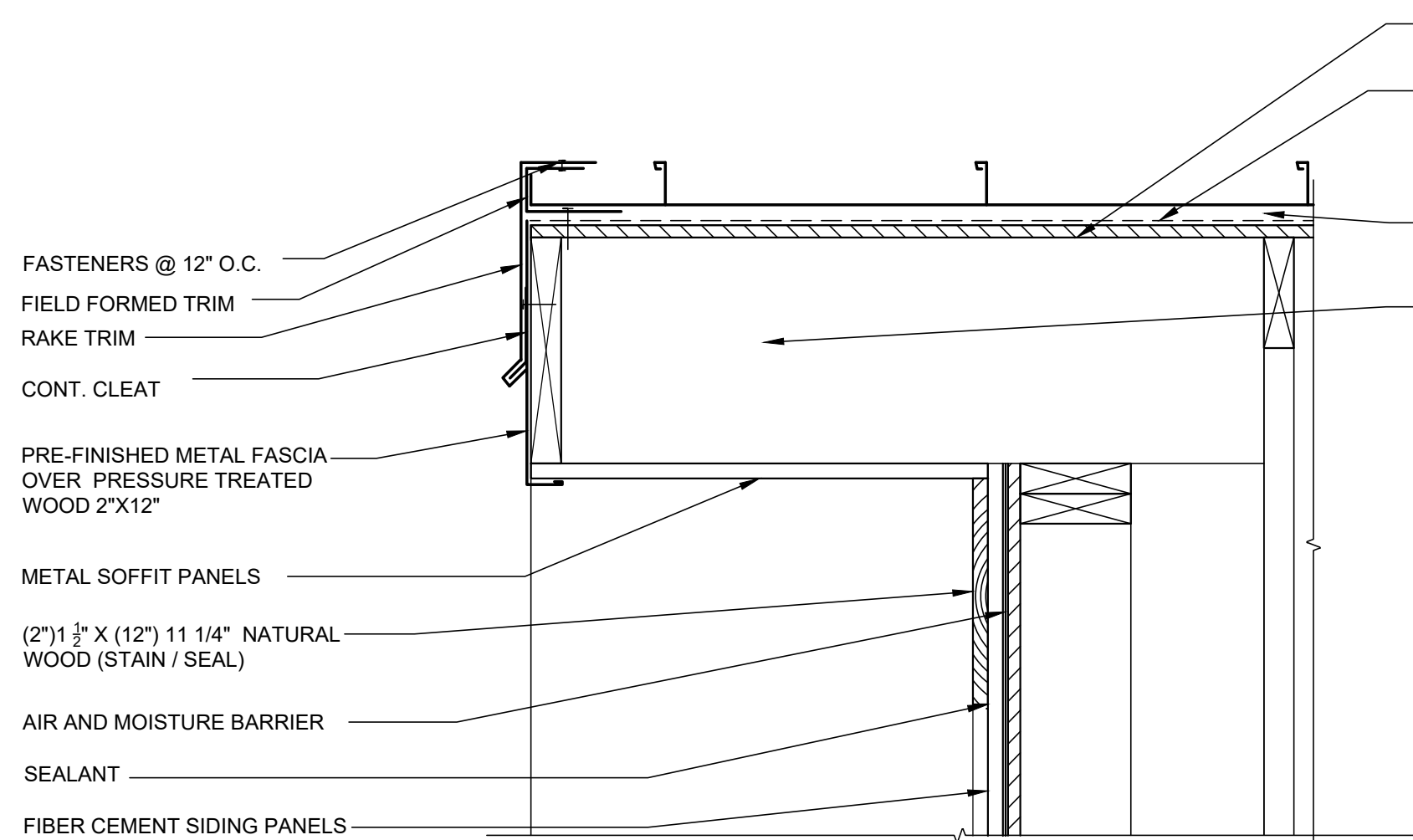
5/8" DRYWALL ON 4 MILL VAPOR BARRIER ON INTERIOR SIDE OF 2X6" WOOD STUDS @ 16" O.C. W/ 6" BATT INSULATION W/ VAPOR BARRIER BETWEEN STUDS AND 5/8" OSB SHEATHING ON THE EXTERIOR SIDE OF STUDS



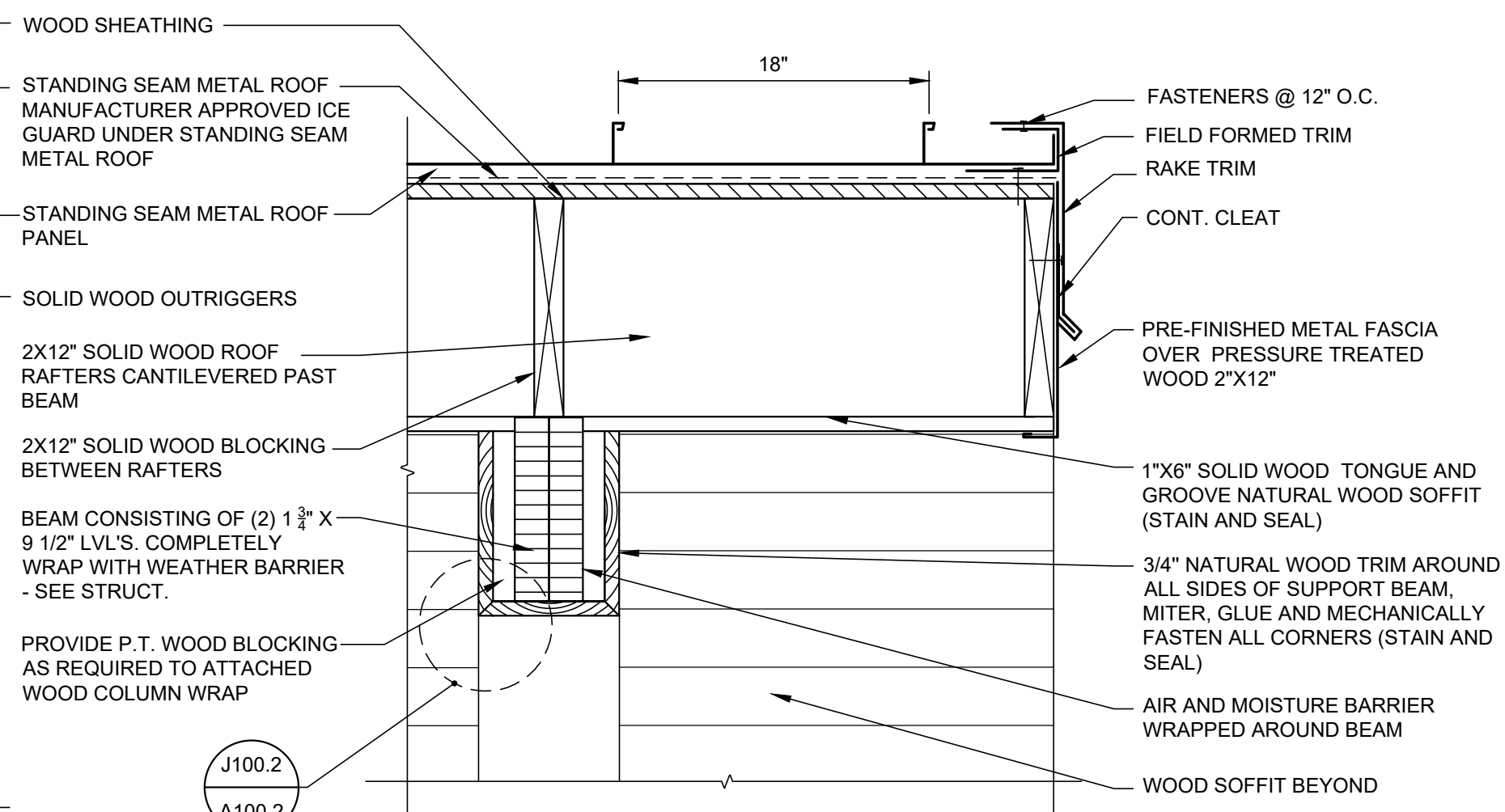
B401.1 ALT. 2 ROOF DETAIL
B401.2 SCALE: 1 1/2"=1'-0"



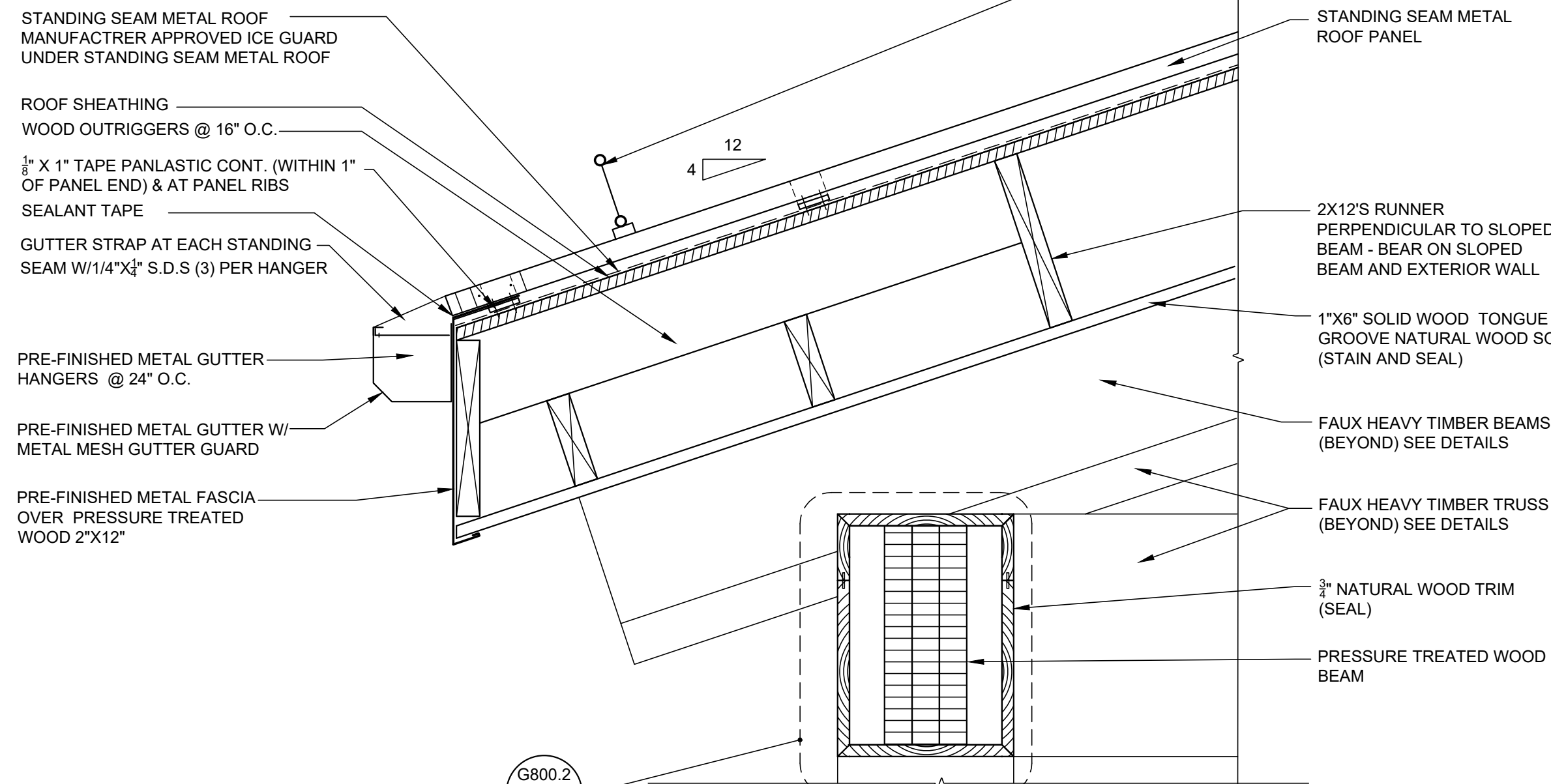
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C401.2 SCALE: 1 1/2"=1'-0"



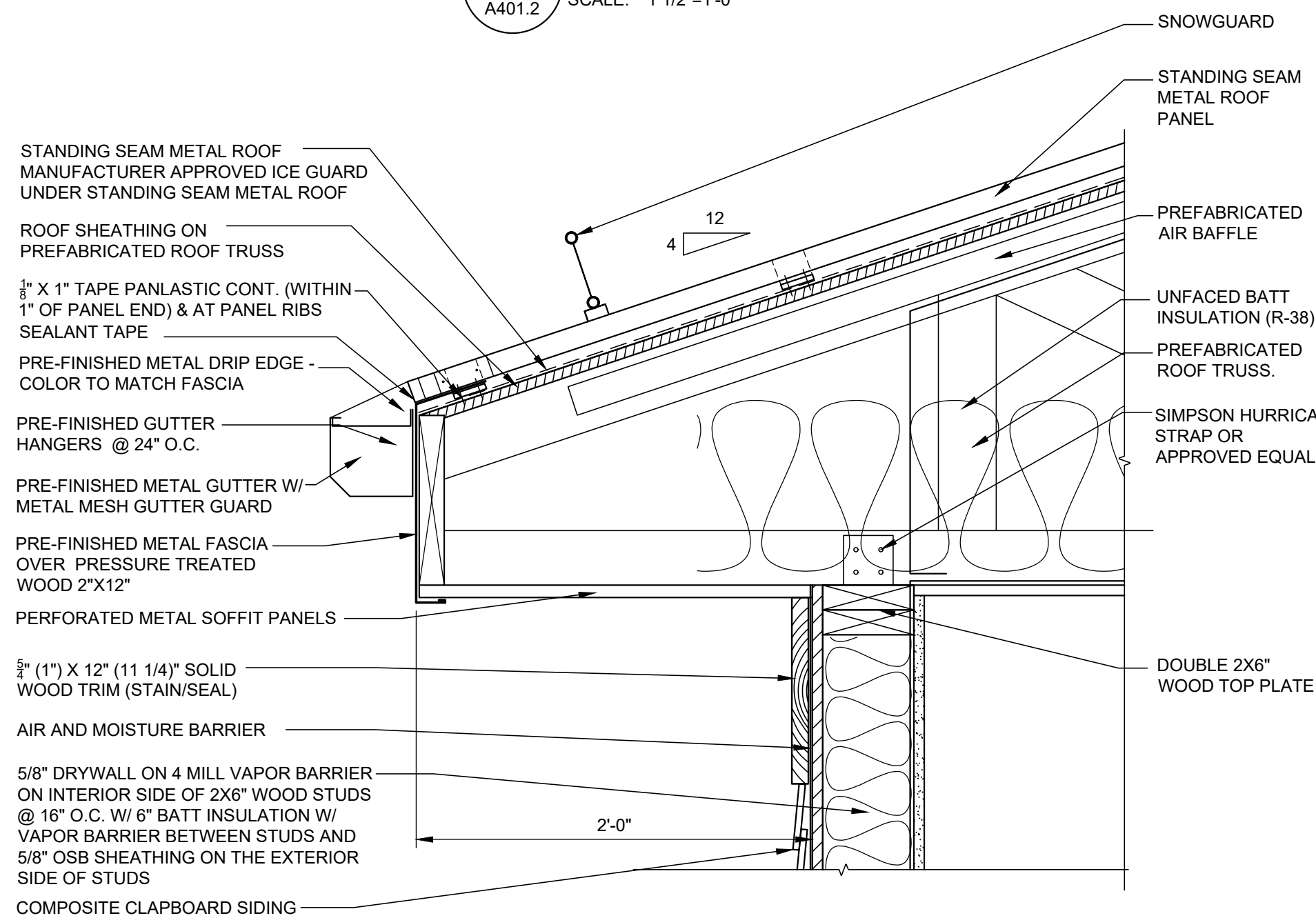
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D401.2 SCALE: 1 1/2"=1'-0"



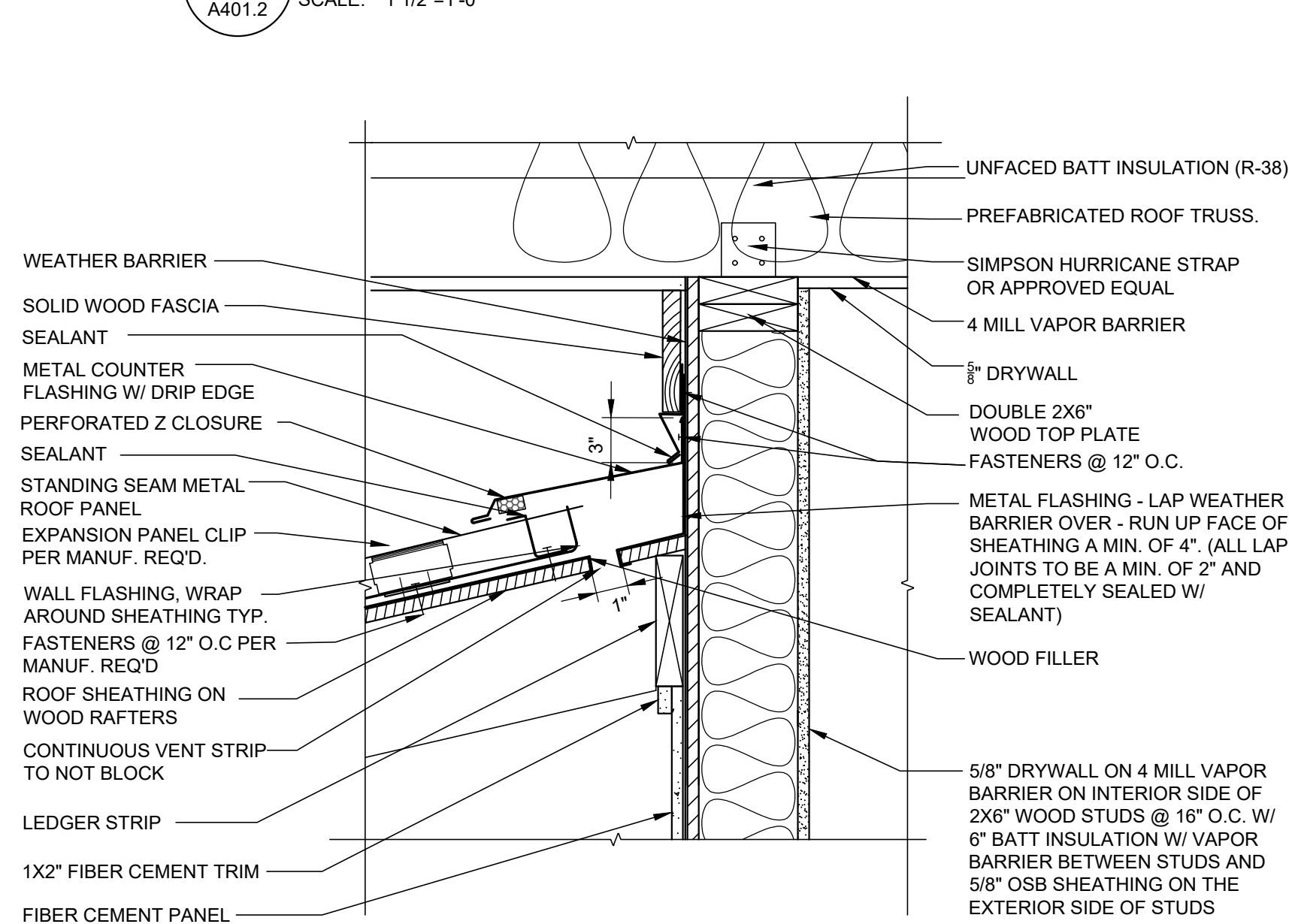
E401.1 ALT. 2 ROOF DETAIL
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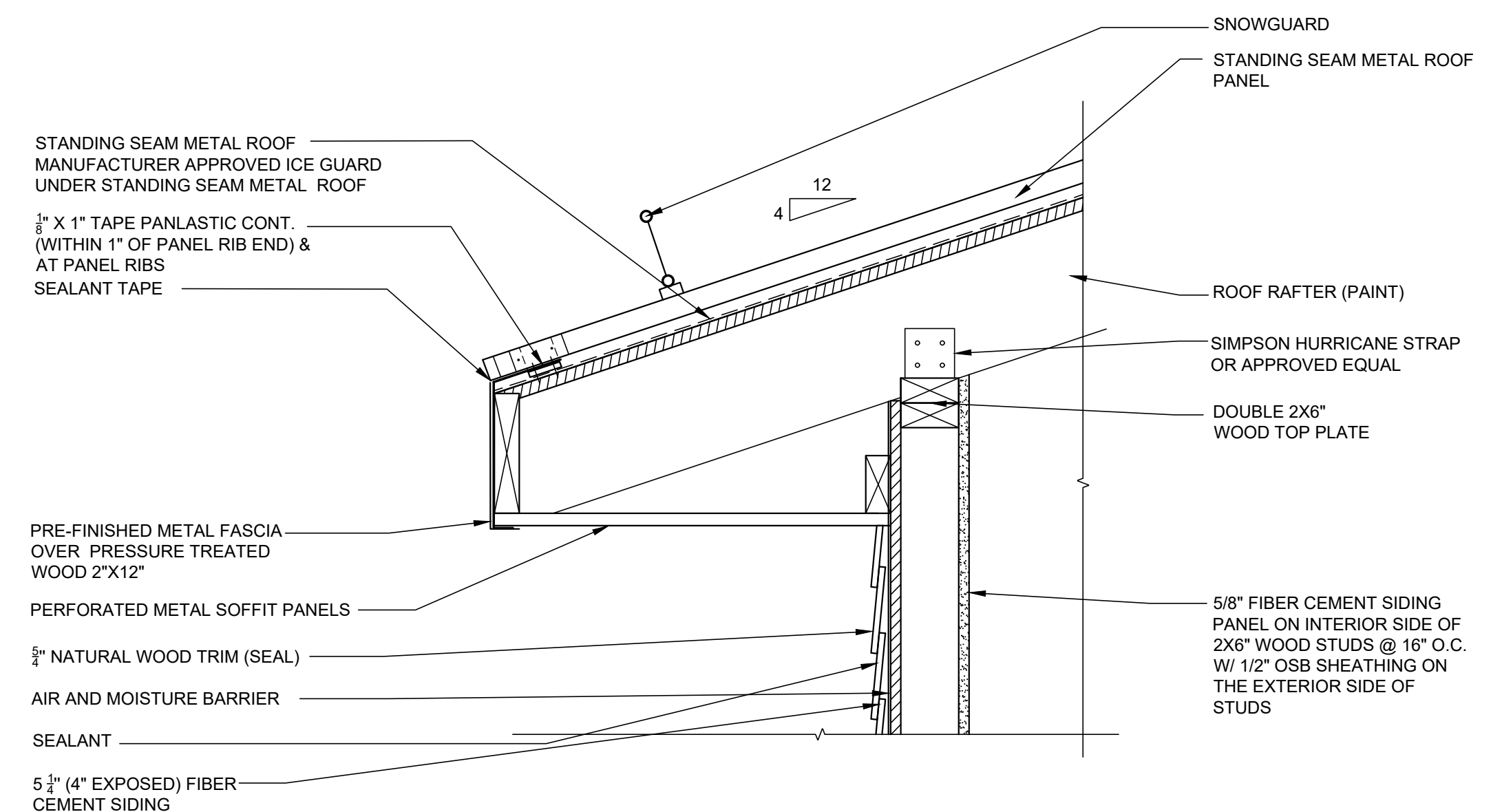
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F401.2 SCALE: 1 1/2"=1'-0"



G401.1 ALT. 2 ROOF DETAIL
G401.2 SCALE: 1 1/2"=1'-0"



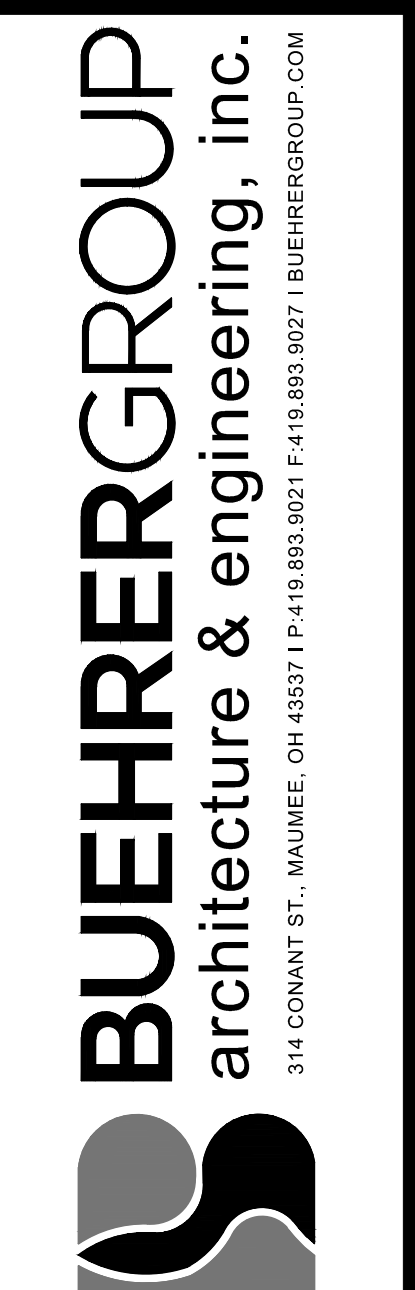
H401.1 ALT. 2 ROOF DETAIL
H401.2 SCALE: 1 1/2"=1'-0"



J401.1 ALT. 2 ROOF DETAIL
J401.2 SCALE: 1 1/2"=1'-0"

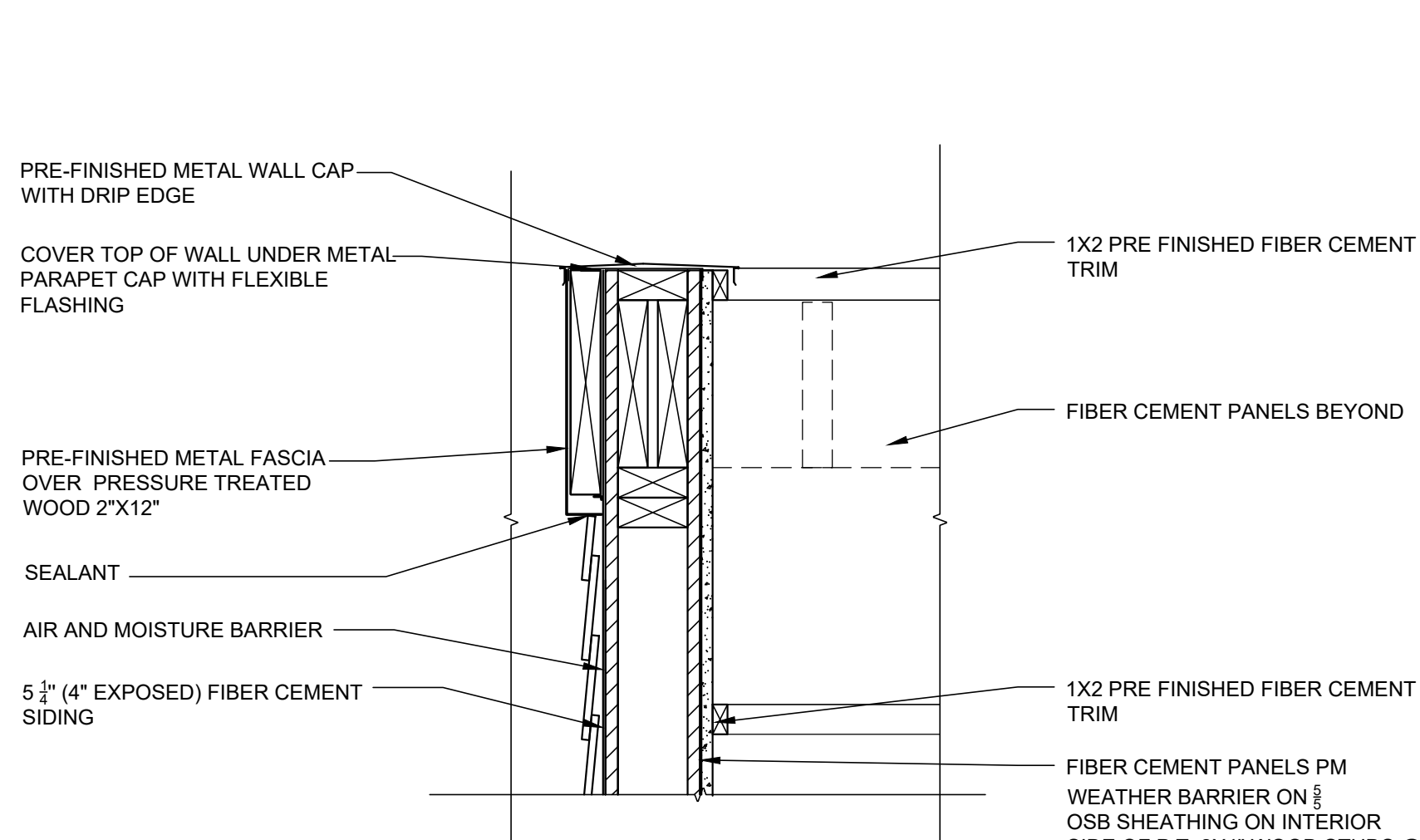


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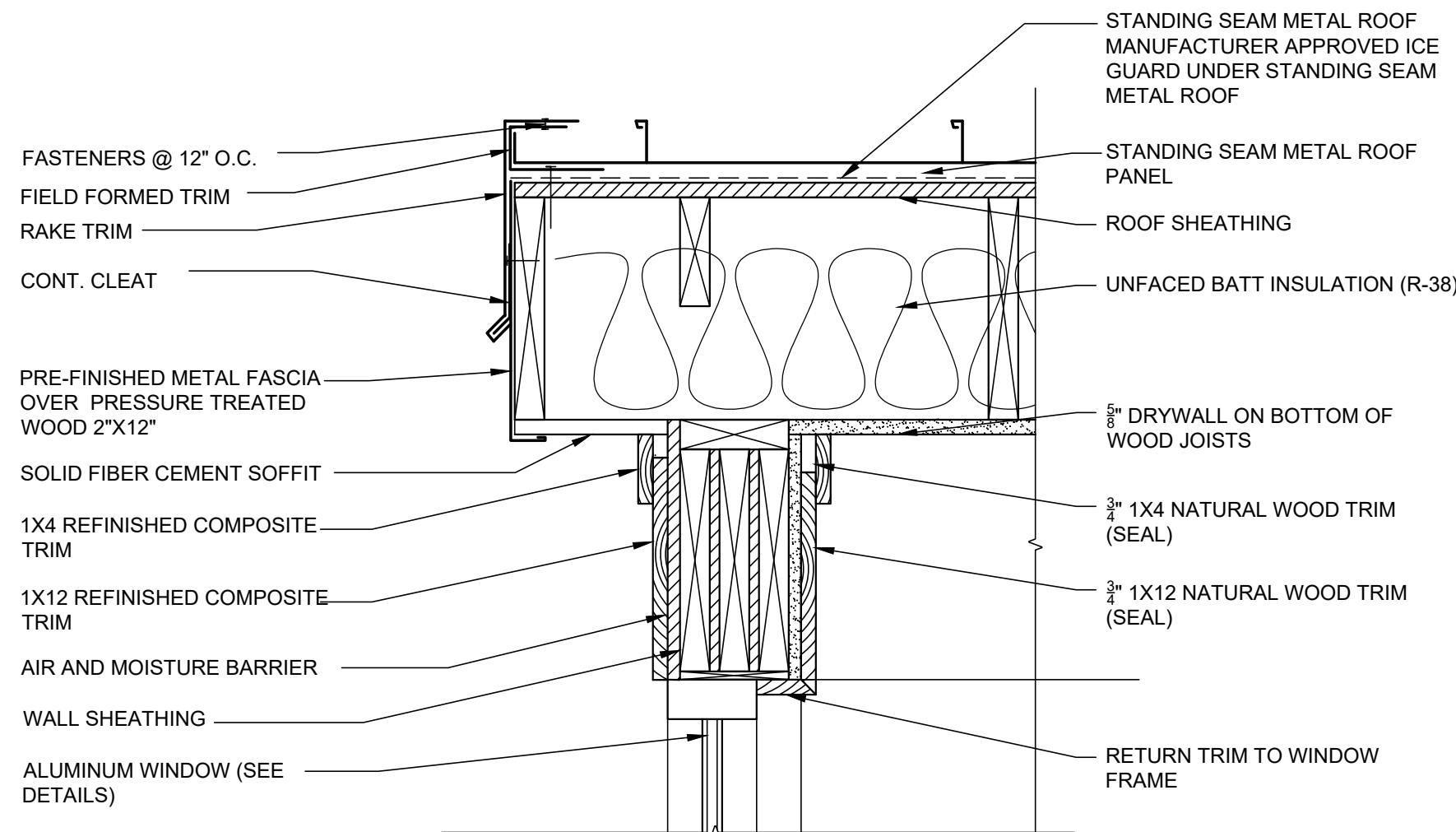


REVISION	
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2	JOB NUMBER: 241224
3	CONSTRUCTION DOCUMENTS

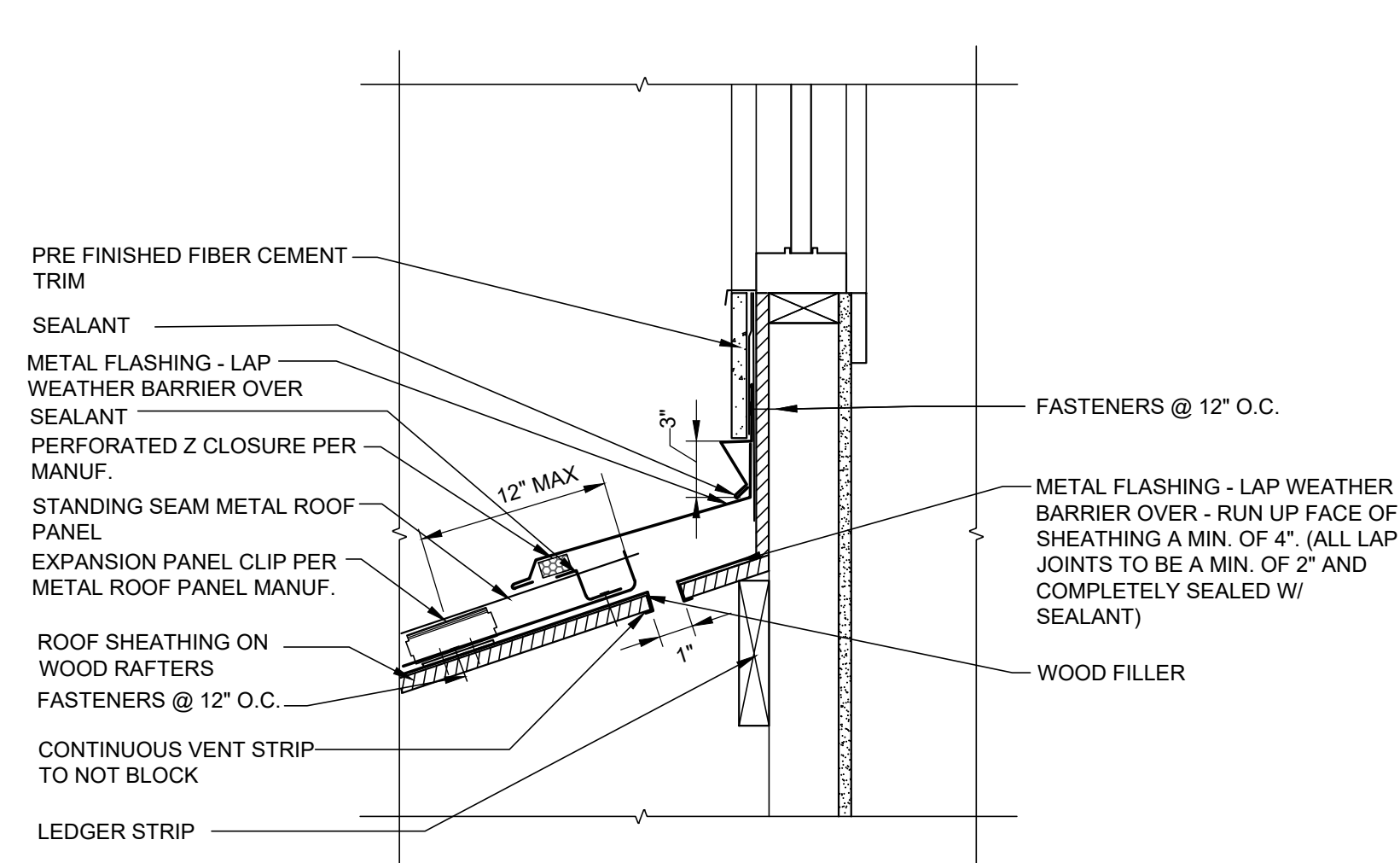
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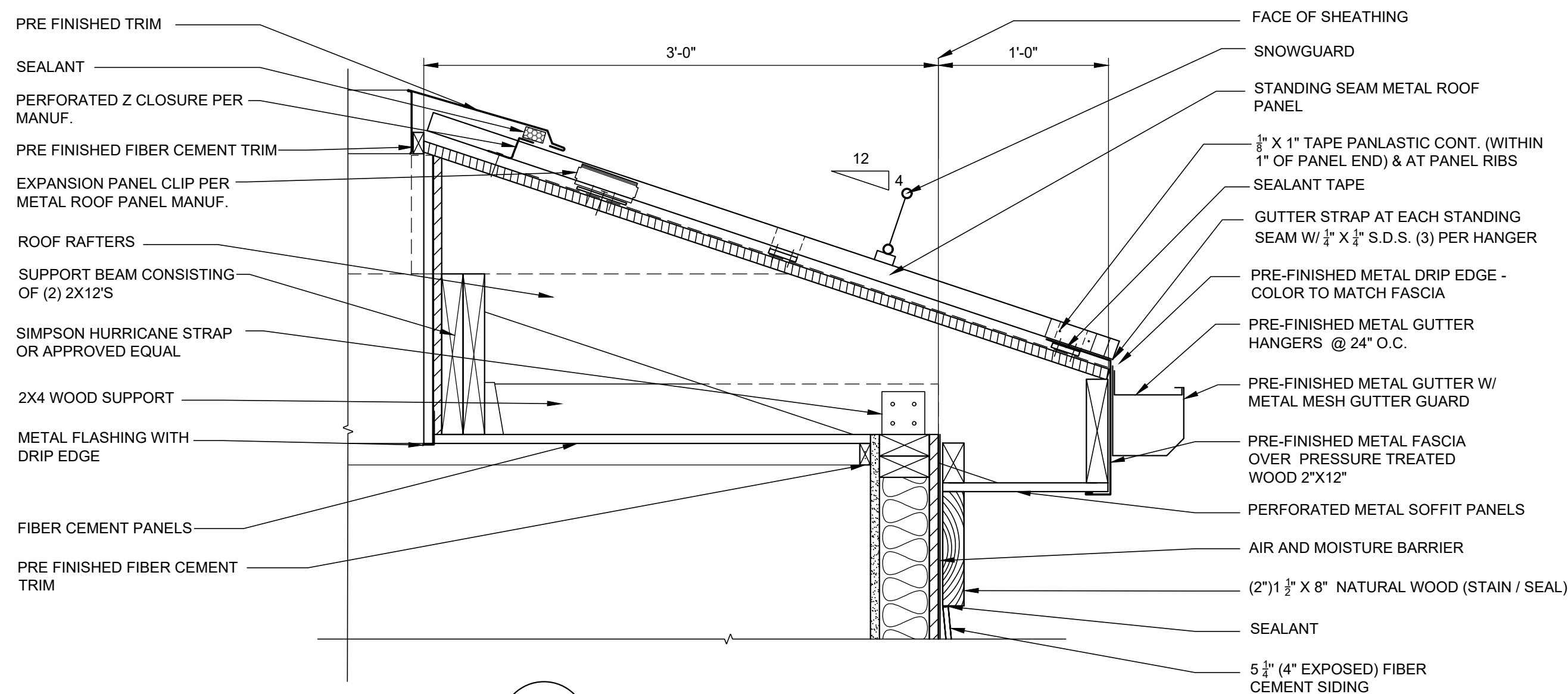
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ALT. 2 ROOF DETAIL
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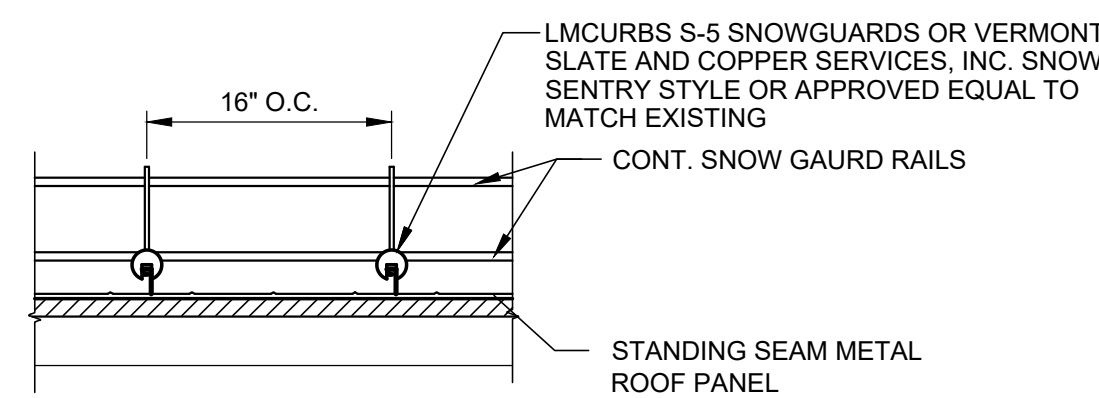
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ALT. 2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



C401.1
A401.3
ALT. 2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



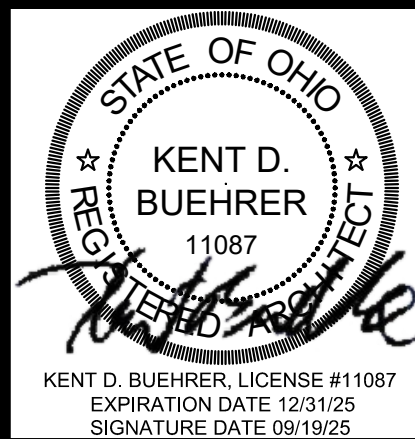
D401.1
A401.3
ALT. 2 ROOF DETAIL
SCALE: 1 1/2"=1'-0"



**TYPICAL
SNOW GUARD DETAIL - ELEVATION**
SCALE: 1"=1'-0"

ROOF DETAIL NOTES

1. PROVIDE INTERMETALIC SEPARATION WHERE REQ'D
2. ALL FASTENERS THAT PENETRATE FLASHING TO BE SELF SEALING TYPE.
3. ALL ROOF CURBS ON SLOPES OVER 3/12" TO HAVE BOTTOMS WHICH MATCH THE ROOF SLOPE & TOPS WHICH ARE LEVEL.
4. PROVIDE ROOF SADDLES ON THE UP SLOPE SIDE OF CURBS.
5. PROVIDE INSULATION SUPPORT STRAPS, METAL FURRING STRIPS, ETC. AS REQUIRED TO HOLD INSULATION IN PLACE WHEREVER STUD WALLS DON'T HAVE SHEATHING ON ONE OR BOTH SIDES.



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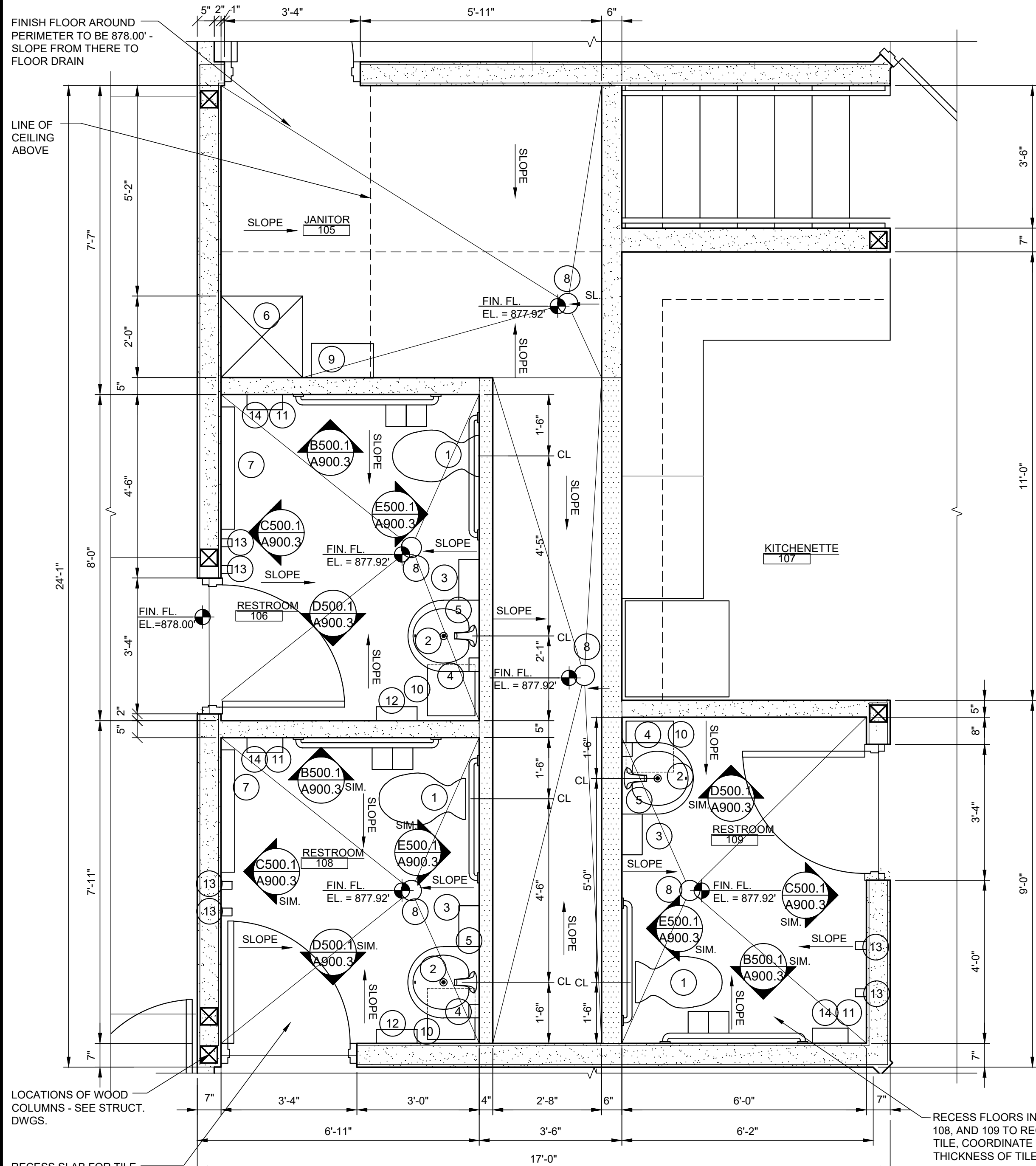
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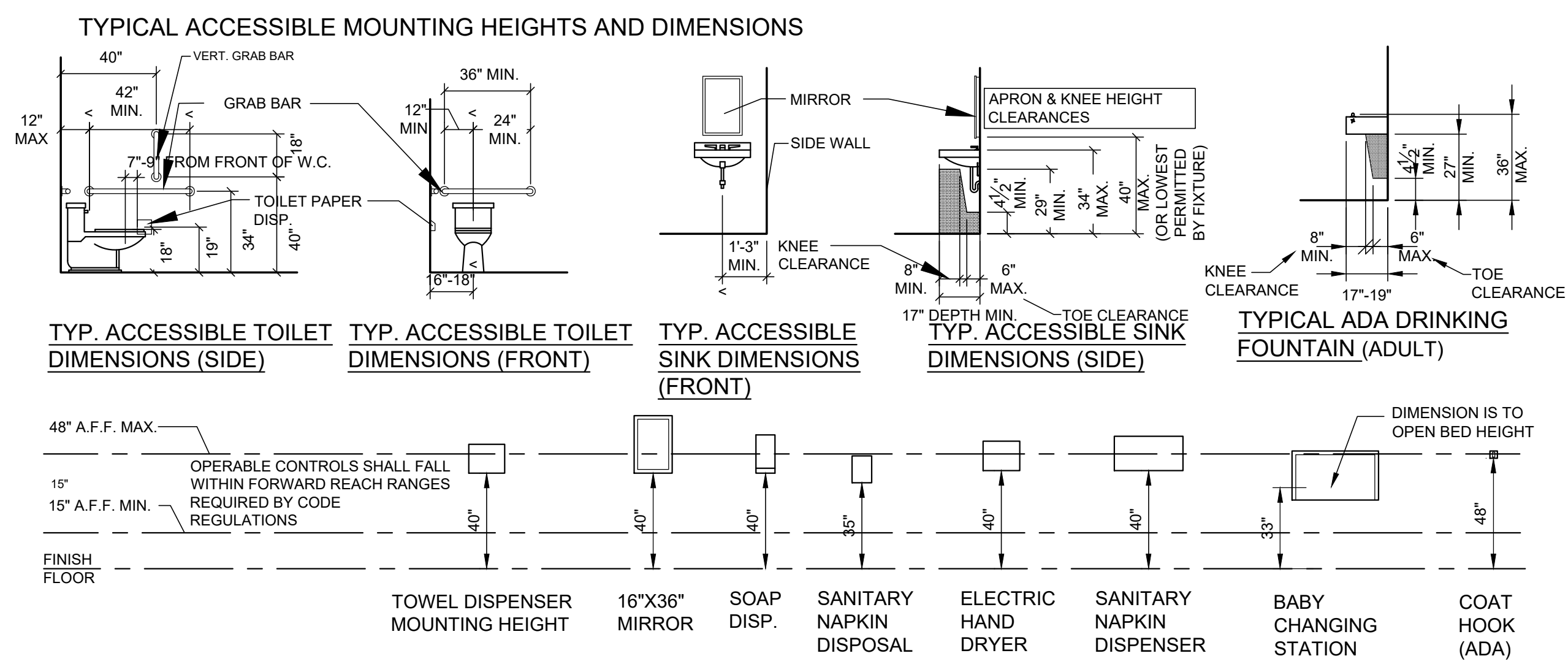
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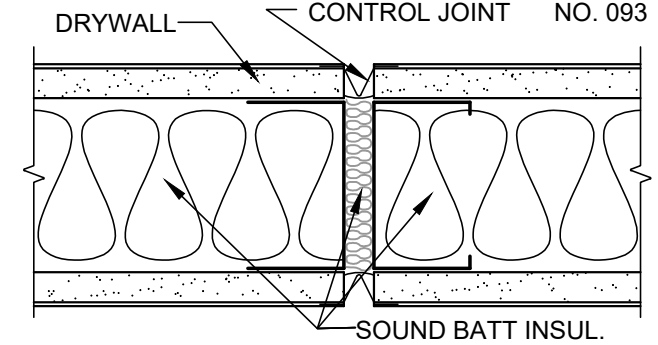


ENLARGED RESTROOM PLAN
SCALE: 1 1/2" = 1'-0"

- KEYED NOTES**
- 1 ACCESSIBLE TOILET WITH ASSOCIATED STAINLESS STEEL GRAB BARS AND TOILET PAPER DISPENSER. SEE PLUMBING DRAWINGS FOR MORE INFORMATION. TOILET PAPER DISPENSERS PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR.
 - 2 ACCESSIBLE WALL MOUNTED SINK. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
 - 3 PAPER TOWEL DISPENSER - PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR
 - 4 SOAP DISPENSER - PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR
 - 5 18"x36" MIRROR GLASS TO COMPLY WITH OBC SECTION 2406.1 THROUGH 2406.1.4.
 - 6 MOP SINK WITH MOP HOLDER
 - 7 BABY CHANGING STATION
 - 8 FLOOR DRAIN
 - 9 INSTANT WATER HEATER
 - 10 WASTE RECEPTACLE - PROVIDED AND INSTALLED BY OWNER
 - 11 SANITARY NAPKIN DISPENSER - PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR
 - 12 ELECTRIC HAND DRYERS
 - 13 COAT HOOKS
 - 14 SANITARY NAPKIN DISPOSAL - PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR

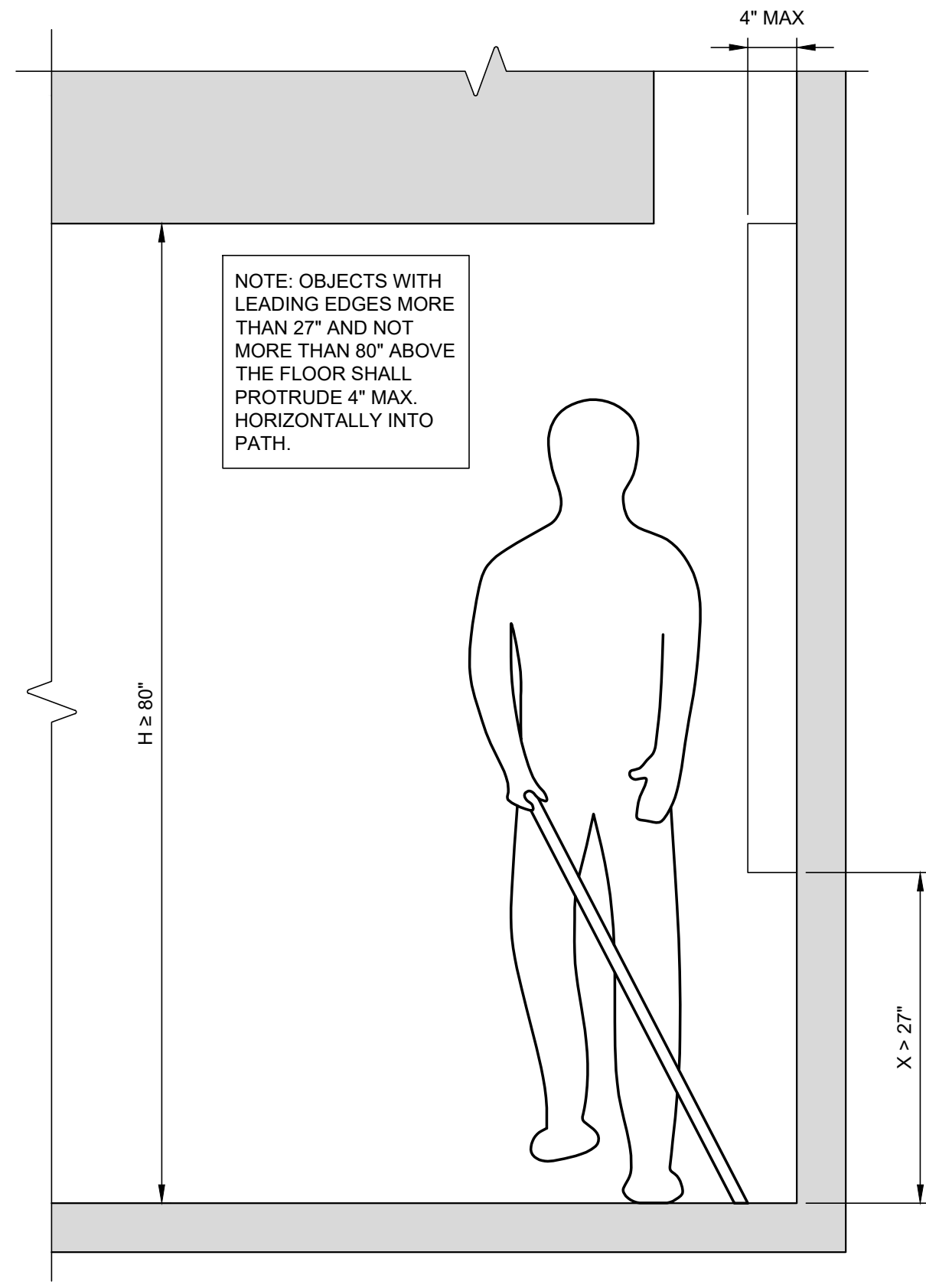


NOTE: THE PURPOSE OF THIS SECTION IS TO SHOW TYPICAL ACCESSIBLE (ICC A117.1) DIMENSIONS AND MOUNTING HEIGHTS ONLY. ALL FIXTURES AND ACCESSORIES SHOWN IN THIS SECTION ARE SHOWN GENERICALLY AND ARE FOR REFERENCE PURPOSES ONLY.

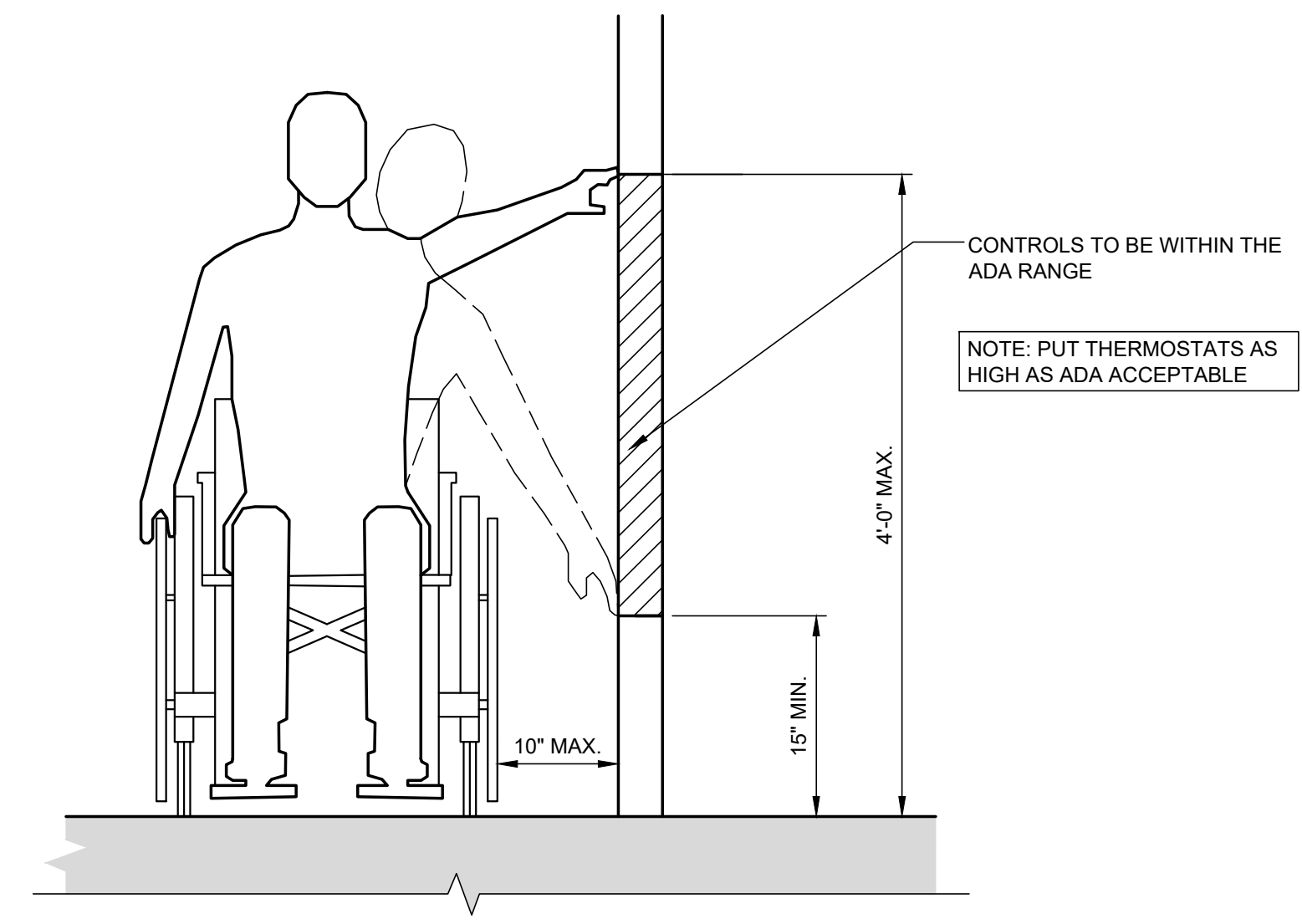


DRYWALL CJ DETAIL
SCALE: 3" = 1'-0"

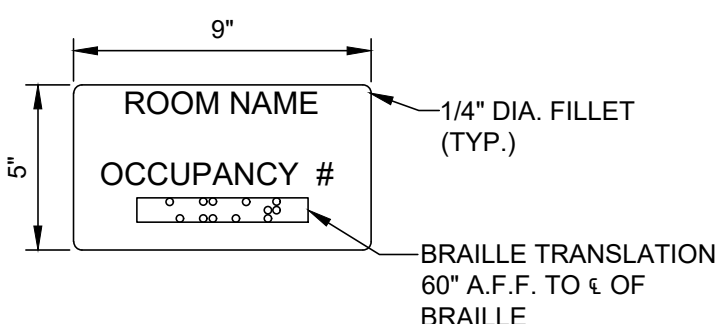
- RESTROOM NOTES**
1. WATER SUPPLY AND DRAINPIES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT IN ADA UNIT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.
 2. SLOPE ALL RESTROOM FLOORS TOWARDS DRAINS A MAXIMUM OF 1/4" PER FOOT.



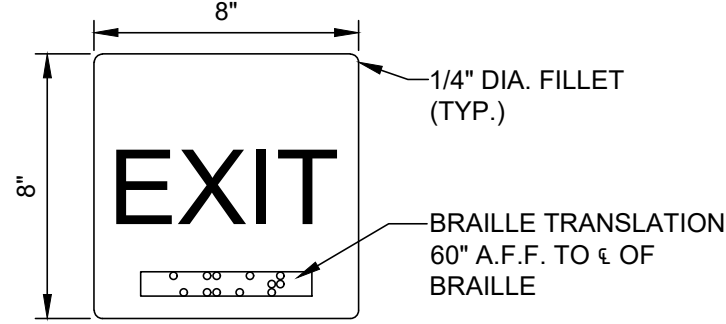
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SCALE: N.T.S.



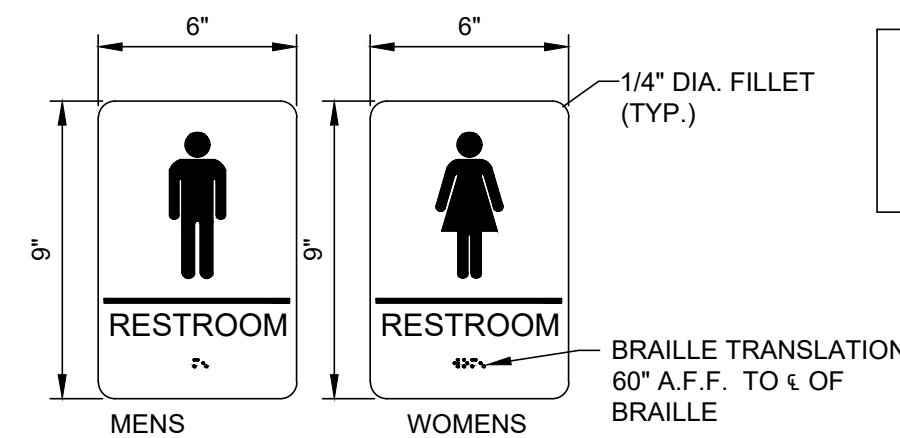
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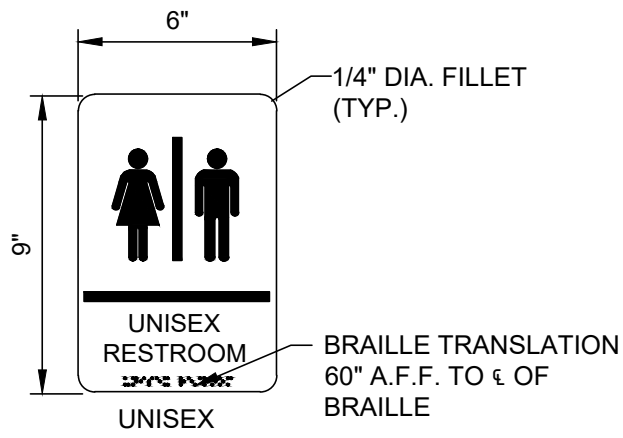
OCCUPANCY SIGN DETAIL
SCALE: 2"=1'-0"



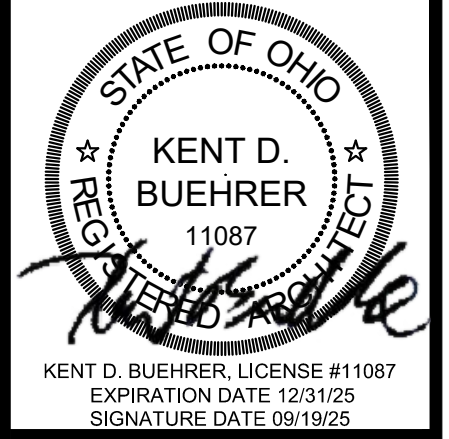
TACTILE EXIT SIGN DETAIL
SCALE: 2"=1'-0"



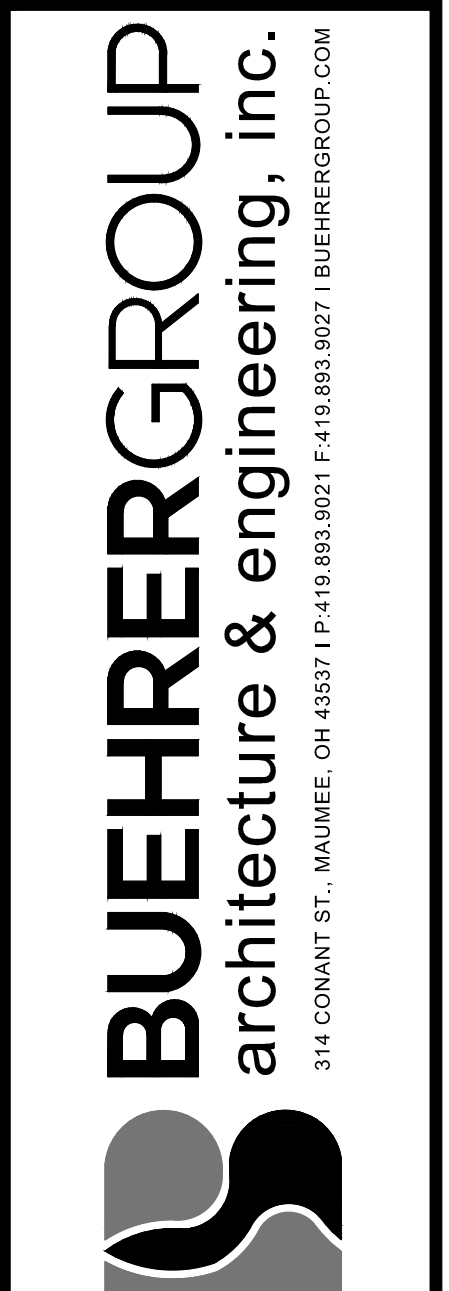
TACTILE RESTROOM SIGN DETAIL
SCALE: 2"=1'-0"



TACTILE UNISEX SIGN DETAIL
SCALE: 2"=1'-0"



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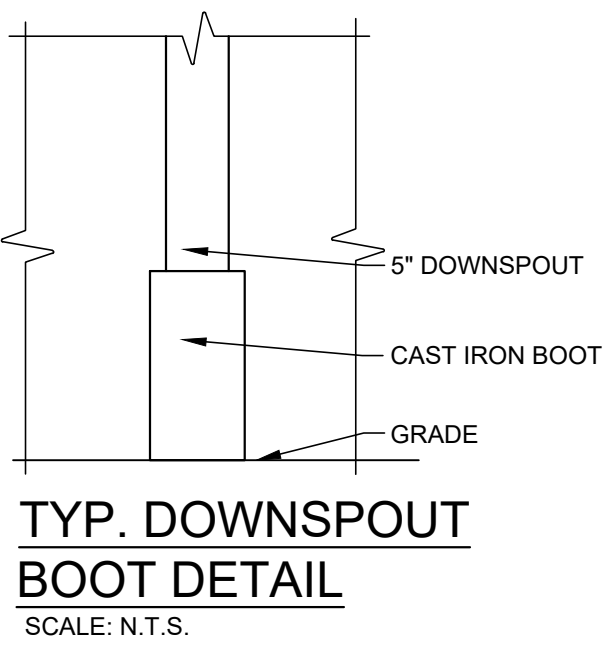
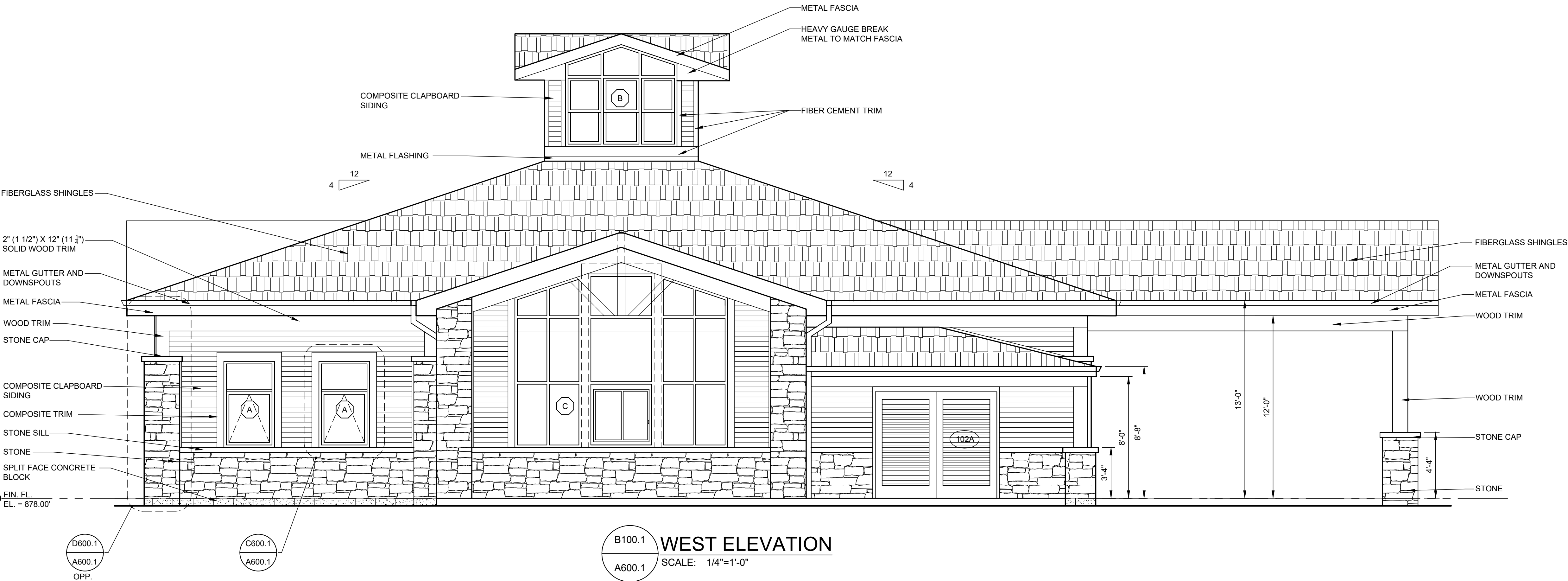
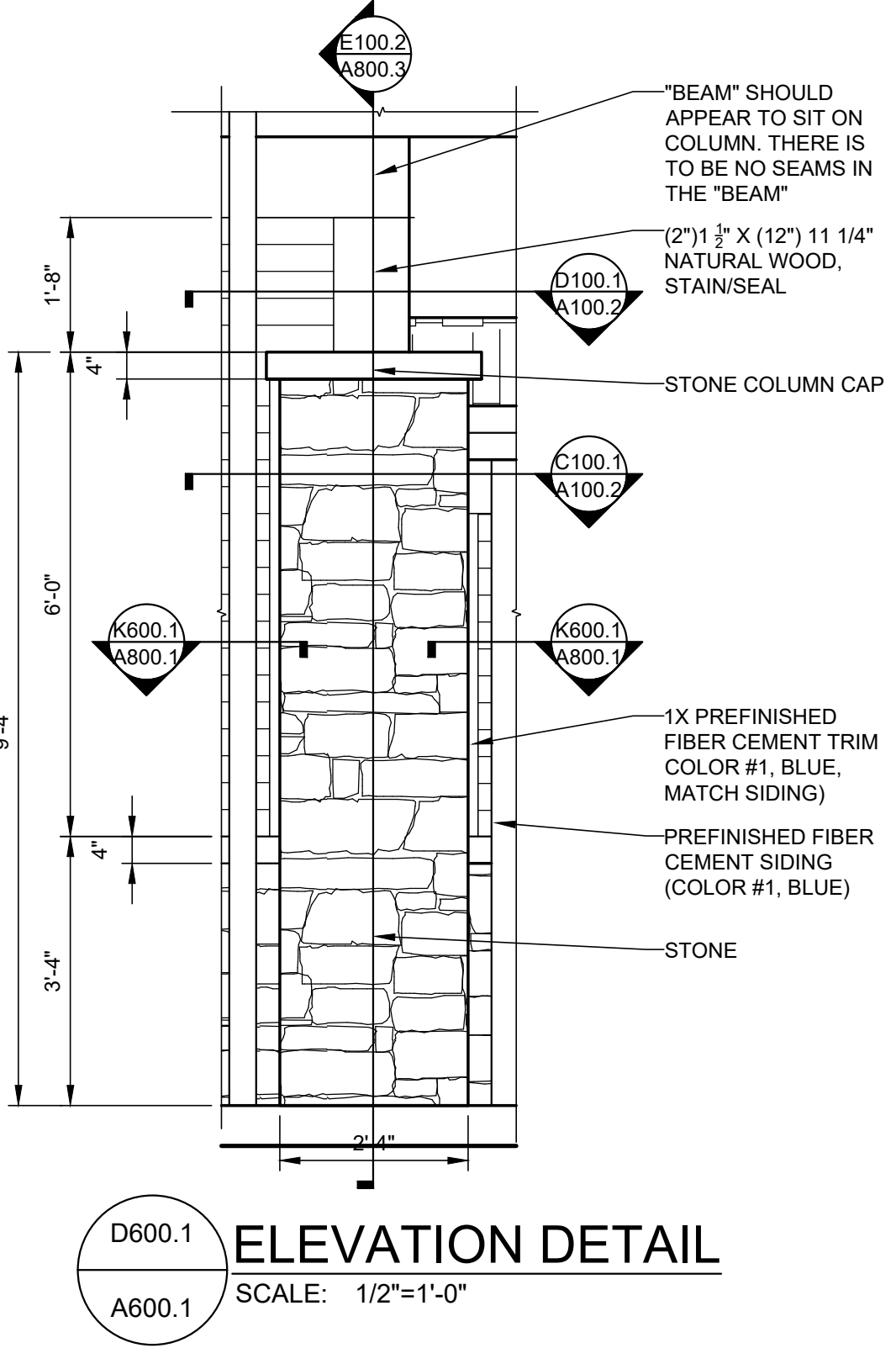
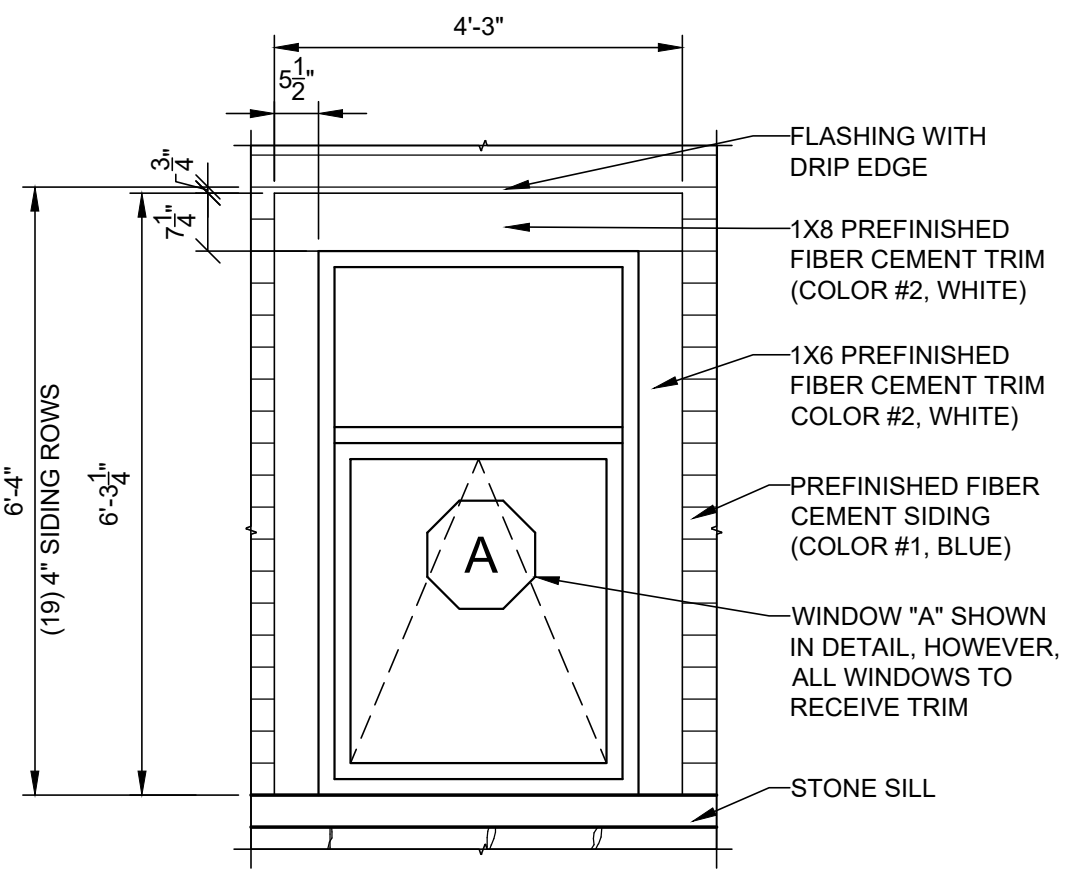
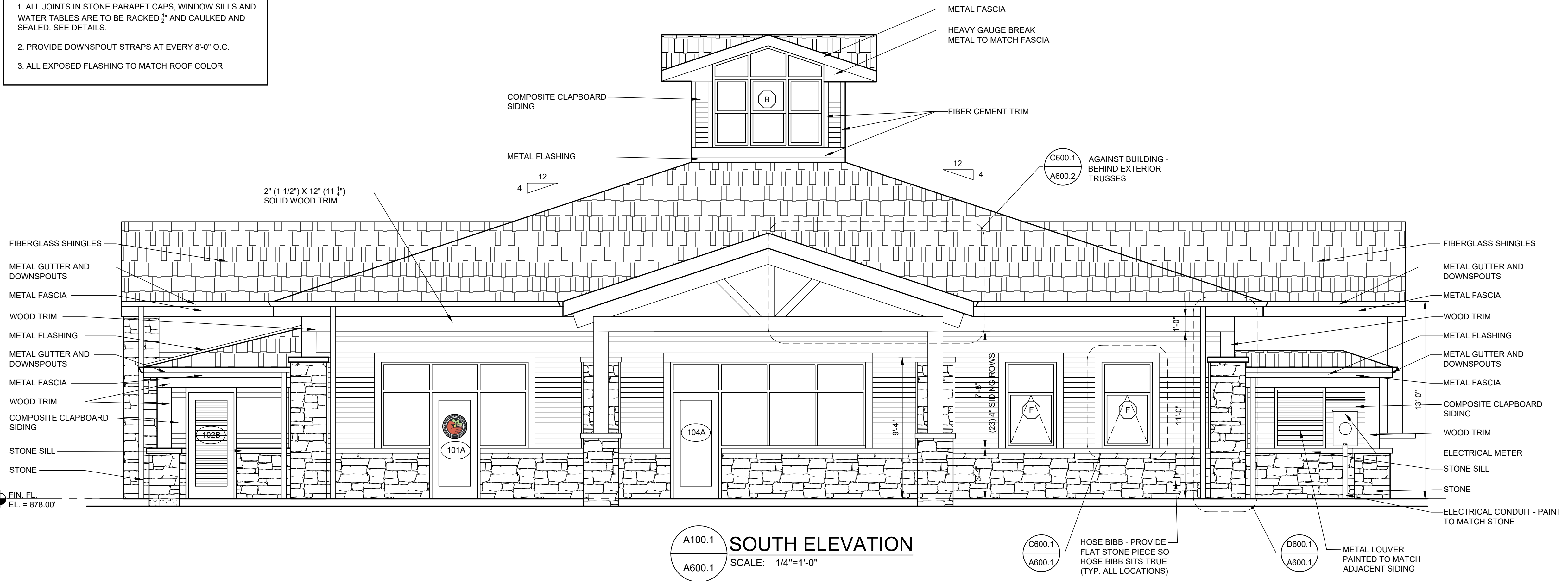
A500.1

ELEVATION NOTES

1. ALL JOINTS IN STONE PARAPET CAPS, WINDOW SILLS AND WATER TABLES ARE TO BE RACKED $\frac{1}{2}$ " AND CAULKED AND SEALED. SEE DETAILS.

2. PROVIDE DOWNSPOUT STRAPS AT EVERY 8'-0" O.C.

3. ALL EXPOSED FLASHING TO MATCH ROOF COLOR

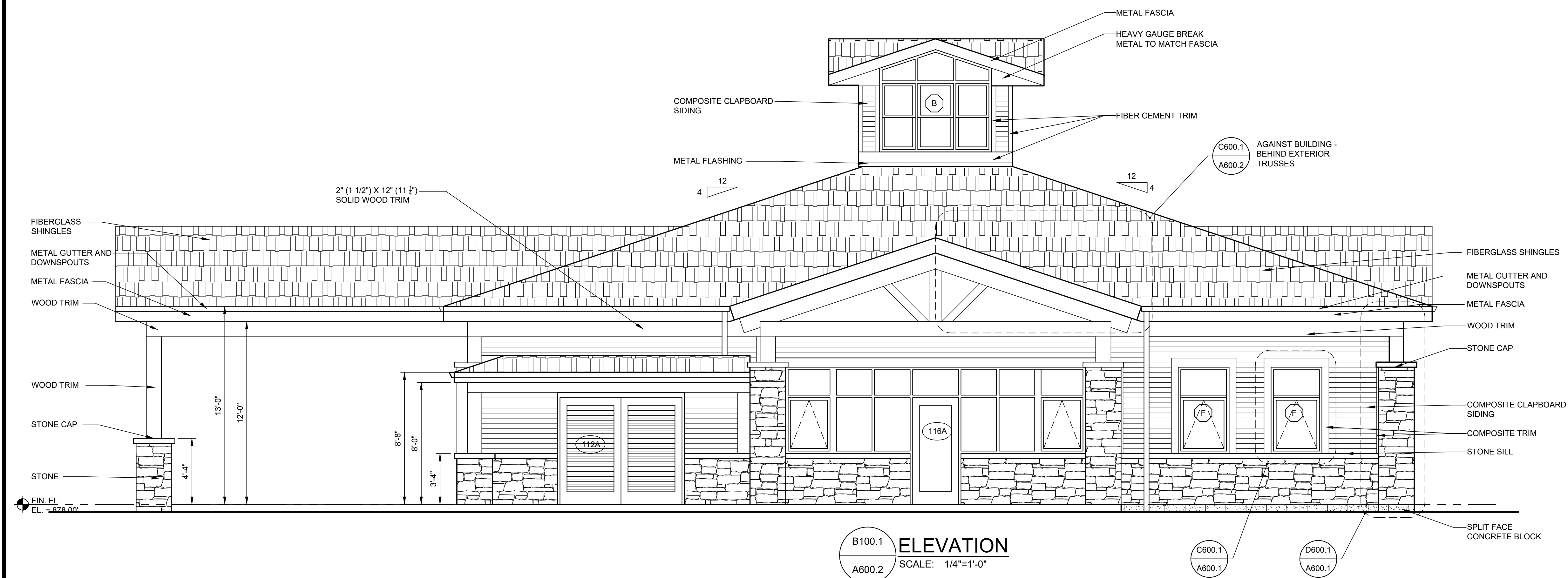
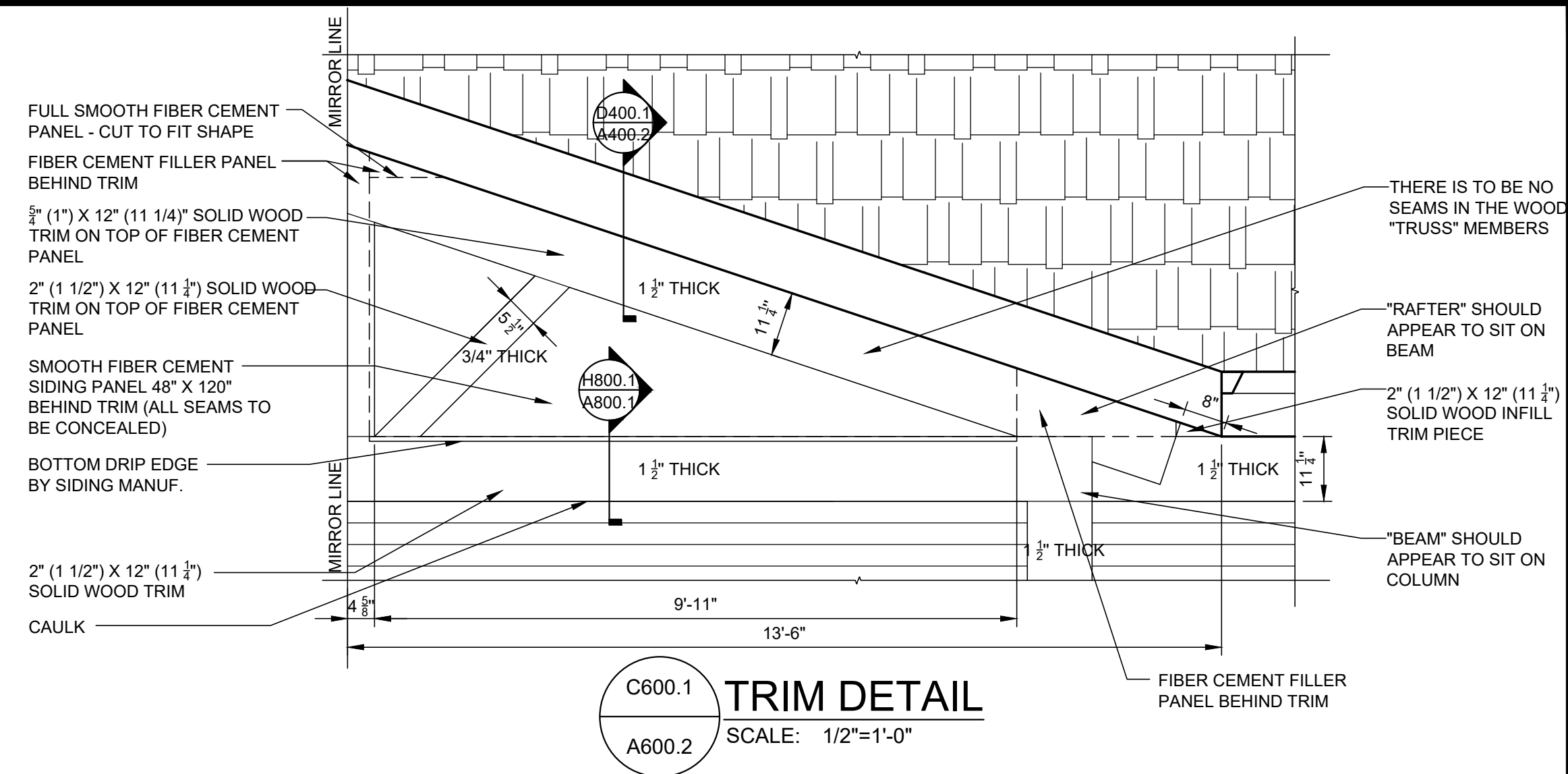


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REVISIONS	
ISSUE DATE: 09/19/2025	
JOB NUMBER: 241224	
CONSTRUCTION DOCUMENTS	

A600.1



SIDING NOTES

1. PROVIDE TYVEK OR APPROVED EQUAL CONTINUOUS WRAP AIR & WATER RESISTIVE BARRIER ON THE EXTERIOR SIDE OF ALL EXTERIOR WALLS. ALL SEAMS AND PENETRATIONS TO BE TAPED WITH HARIDRE WRAP WEATHER BARRIER TAPE OR APPROVED EQUAL.
2. KEEP ALL BUT JOINTS TO A MINIMUM. STAGGER ALL BUTT JOINTS (JOINT AT STUD LOCATIONS ONLY) FINISH ALL CUT ENDS. AVOID PLACING BUTT JOINTS DIRECTLY ABOVE AND BELOW WINDOWS
3. INSTALL TRIM FIRST AND BUTT LAP SIDING INTO TRIM. DO NOT INSTALL TRIM OVER LAP SIDING
4. STOP SIDING 6" ABOVE GRADE AND W" ABOVE CONCRETE STOOPS
5. FIBER CEMENT SIDING TO BE A MINIMUM 2" ABOVE ROOF SURFACE, OR PER MANUFACTURER'S REQUIREMENTS.
6. ALL SIDING AND TRIM TO BE PREFINISHED.

EXTERIOR TRIM NOTES:

1. ALL EXTERIOR TRIM TO BE PREMIUM GRADE ROUGH SAWN CEDAR.
2. ALL WOOD TO BE STAINED AND SEALED.
3. ALL JOINTS/MITER/ETC IN WOOD TRIM TO BE MECHANICALLY JOINED WITH BISCUITS, POCKETS SCREWS, ETC. AS REQUIRED TO PREVENT FUTURE SEPARATION OF JOINTS/MI/TER/ETC. SEE DETAIL J100.2/100.2.
4. PROVIDE RELIEF CUTS ON BACK OF ALL TRIM AS REQUIRED TO PREVENT CUPPING. AT LOCATIONS SUCH AS BUT LIMITED TO COLUMN WRAPS, WHERE THERE IS ROOM BEHIND THE WOOD TRIM, PROVIDE ADDITIONAL BRACING TO KEEP FROM CUPPING.
5. ALL FASTENERS SHOULD BE INSTALLED TO BE CONCEALED WHENEVER POSSIBLE. WHEN FACE FASTENING IS INEVITABLE, CONCEAL FASTENERS WITH PLUGS TO MATCH ADJACENT WOOD. SEE DETAIL D600.2/A6000.2. FASTENERS TO BE 4" MINIMUM EXTERIOR GRADE TRIM SCREWS.
6. ALL FASTENERS FOR EXTERIOR WOOD TRIM TO BE STAINLESS STEEL.
7. THE INTENT IS FOR THE TRIM TO APPEAR AS STRUCTURAL BEAMS, COLUMNS AND TRUSSES, THEREFORE THERE IS TO BE NO SEAMS IN THE MEMBERS.

EXTERIOR COLOR SCHEDULE	
MATERIAL	COLOR
ASPHALT SHINGLES	BLACK
STONE VENEER	T.B.D. (GRAY PALLET)
ALUMINUM STOREFRONT	ANODIZED ALUMINUM
ALUMINUM WINDOWS	ANODIZED ALUMINUM
ALUMINUM DOORS	ANODIZED ALUMINUM
FASCIA, GUTTERS, AND SOFFIT	WHITE
FIBER CEMENT CLAPBOARD SIDING	BLUE
FIBER CEMENT WINDOW TRIM	WHITE
PORCH SOFFIT	STAINED AND SEALED NATURAL WOOD
NATURAL WOOD TRIM (COLUMNS, FREEZE BOARD)	STAINED AND SEALED NATURAL WOOD
HOLLOW METAL DOORS AND FRAMES	BLUE
NOTE:	
1.	COLORS ABOVE ARE FOR REFERENCE AND TO SHOW DESIGN INTENT. ACTUAL COLORS TO BE APPROVED FROM PHYSICAL SAMPLES.
2.	SUBMIT PHYSICAL COLOR SAMPLES TO ARCHITECT AND OWNER FOR APPROVAL.

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REVISION SCHEDULE	
ISSUE DATE: 09/19/2025	
JOB NUMBER: 241224	
CONSTRUCTION DOCUMENTS	

A600.2



A600.3 EXTERIOR RENDERING
A600.3 SCALE: 1/4"=1'-0"



B600.3 EXTERIOR RENDERING
A600.3 SCALE: 1/4"=1'-0"



C600.3 EXTERIOR RENDERING
A600.3 SCALE: 1/4"=1'-0"

NOTE: RENDERINGS ARE FOR
REFERENCE AND ARE TO CONVEY
DESIGN INTENT ONLY. DO NOT SCALE
OFF RENDERINGS. REFER TO DRAWINGS
FOR ALL CONSTRUCTION DETAILS

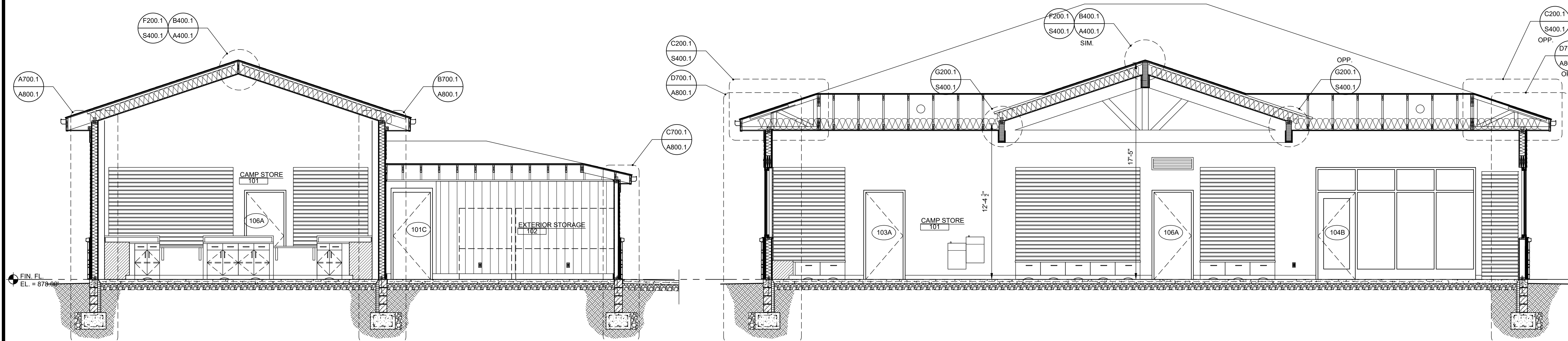


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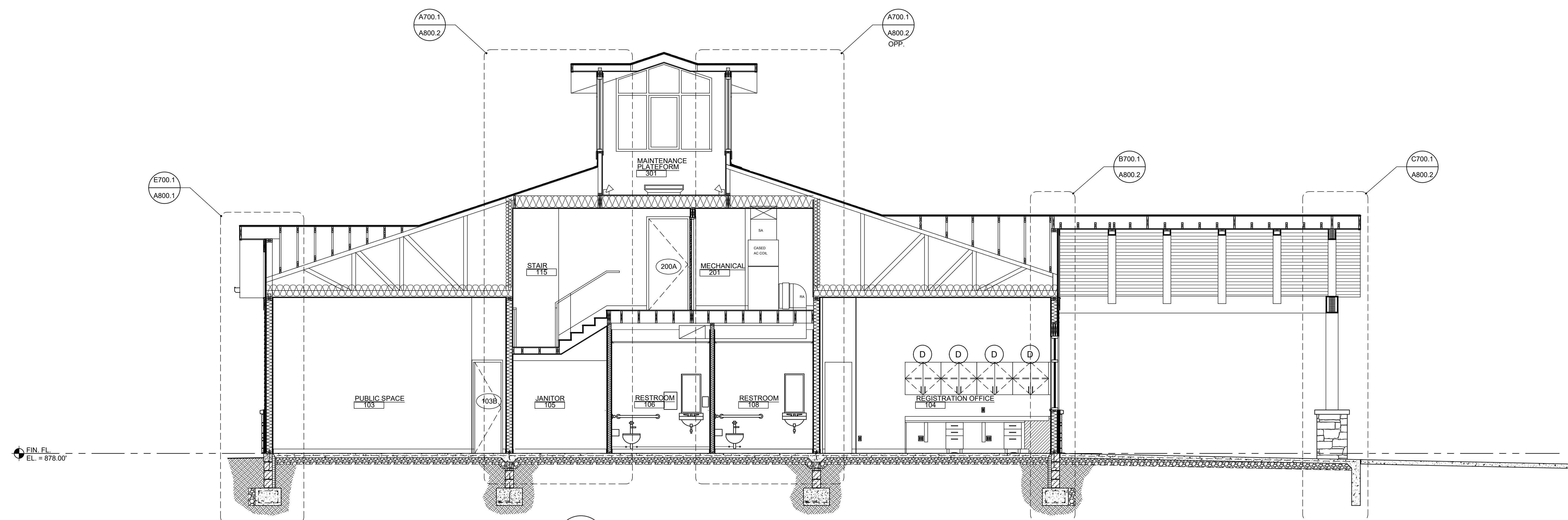
REVISION SCHEDULE	
ISSUE DATE: 09/19/2025	
JOB NUMBER: 241224	
CONSTRUCTION DOCUMENTS	

A600.3

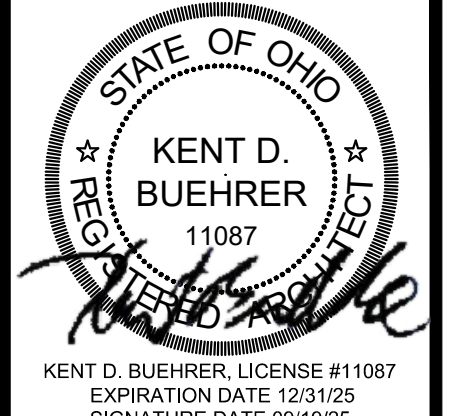


A100.1 BUILDING SECTION
A700.1 SCALE: 1/4"=1'-0"

B100.1 BUILDING SECTION
A700.1 SCALE: 1/4"=1'-0"



C100.1 BUILDING SECTION
A700.1 SCALE: 1/4"=1'-0"

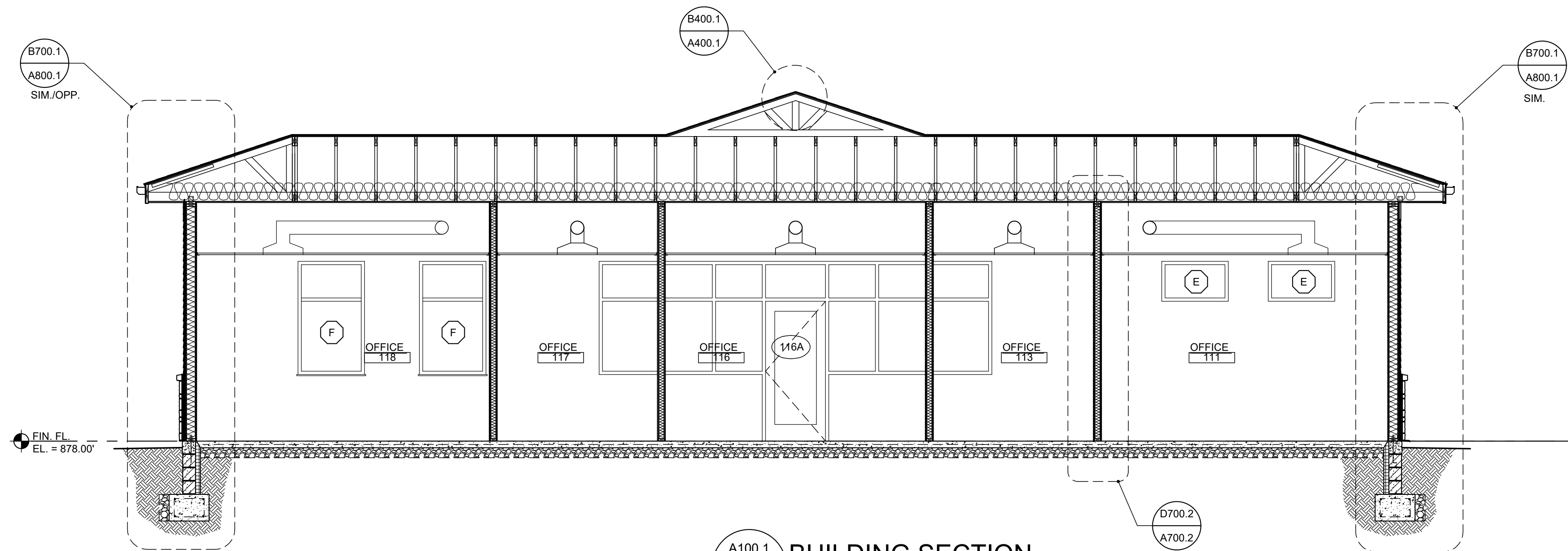


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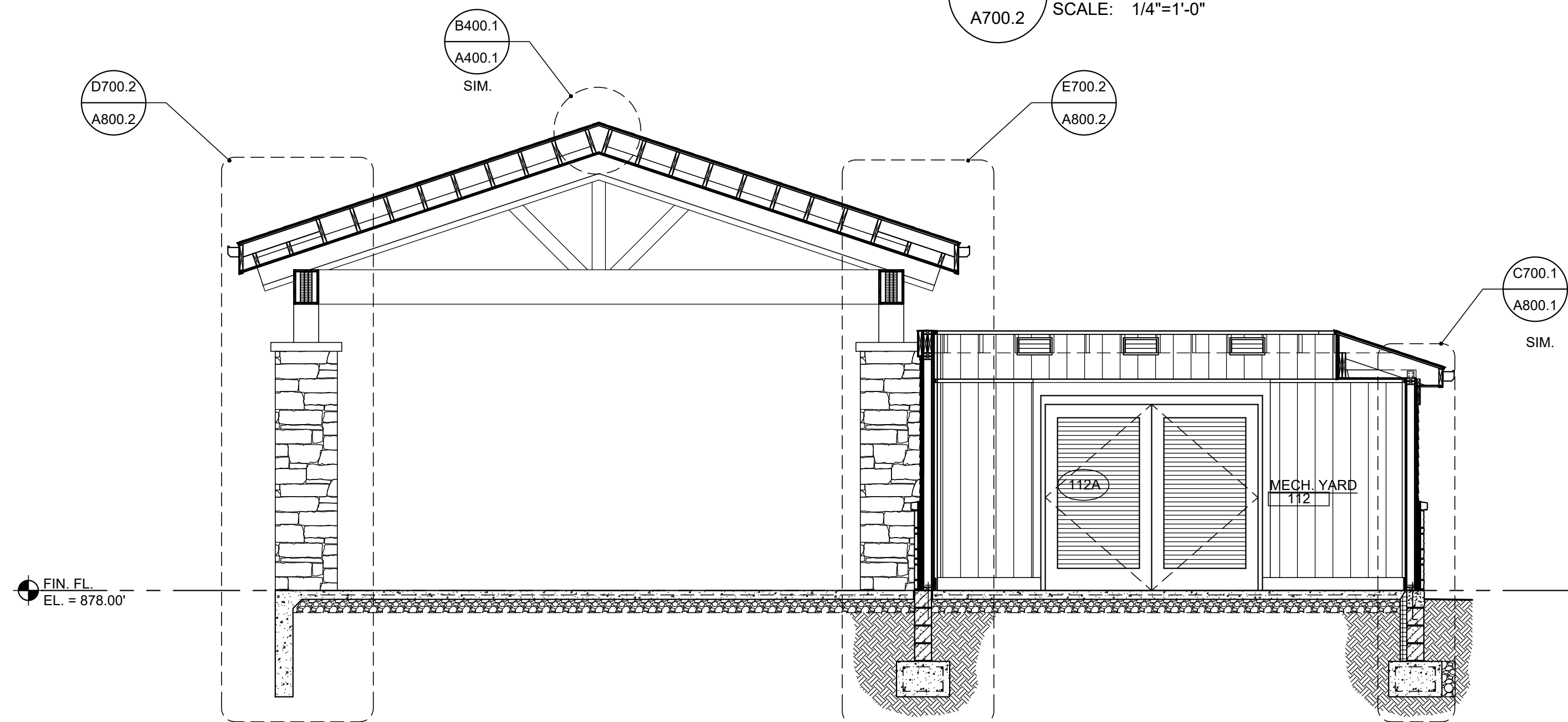
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ISSUE DATE: 09/19/2025	
JOB NUMBER: 241224	
CONSTRUCTION DOCUMENTS	

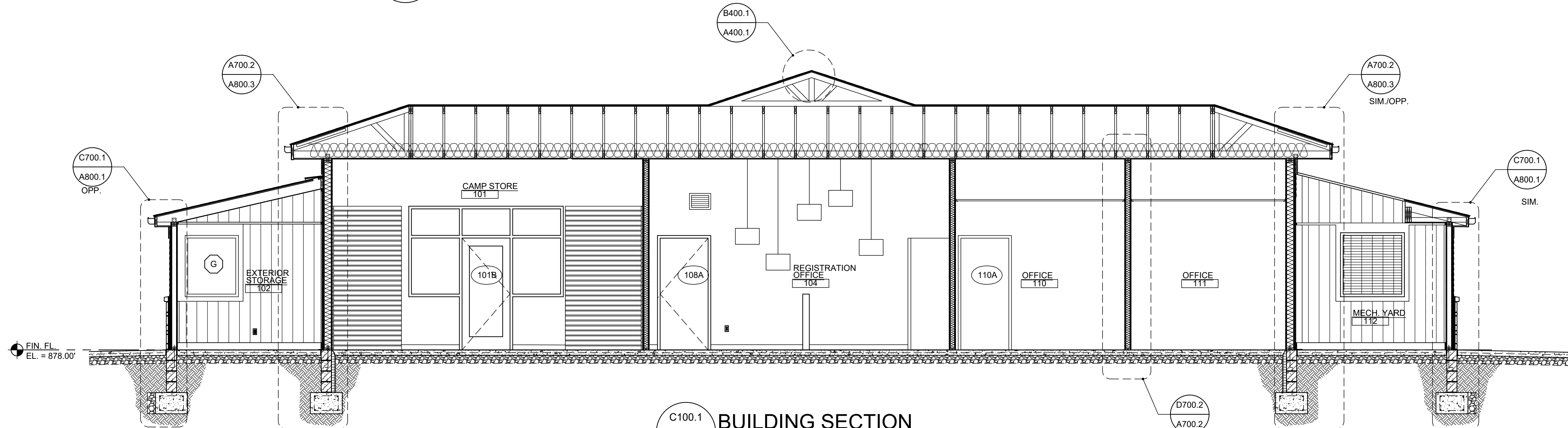
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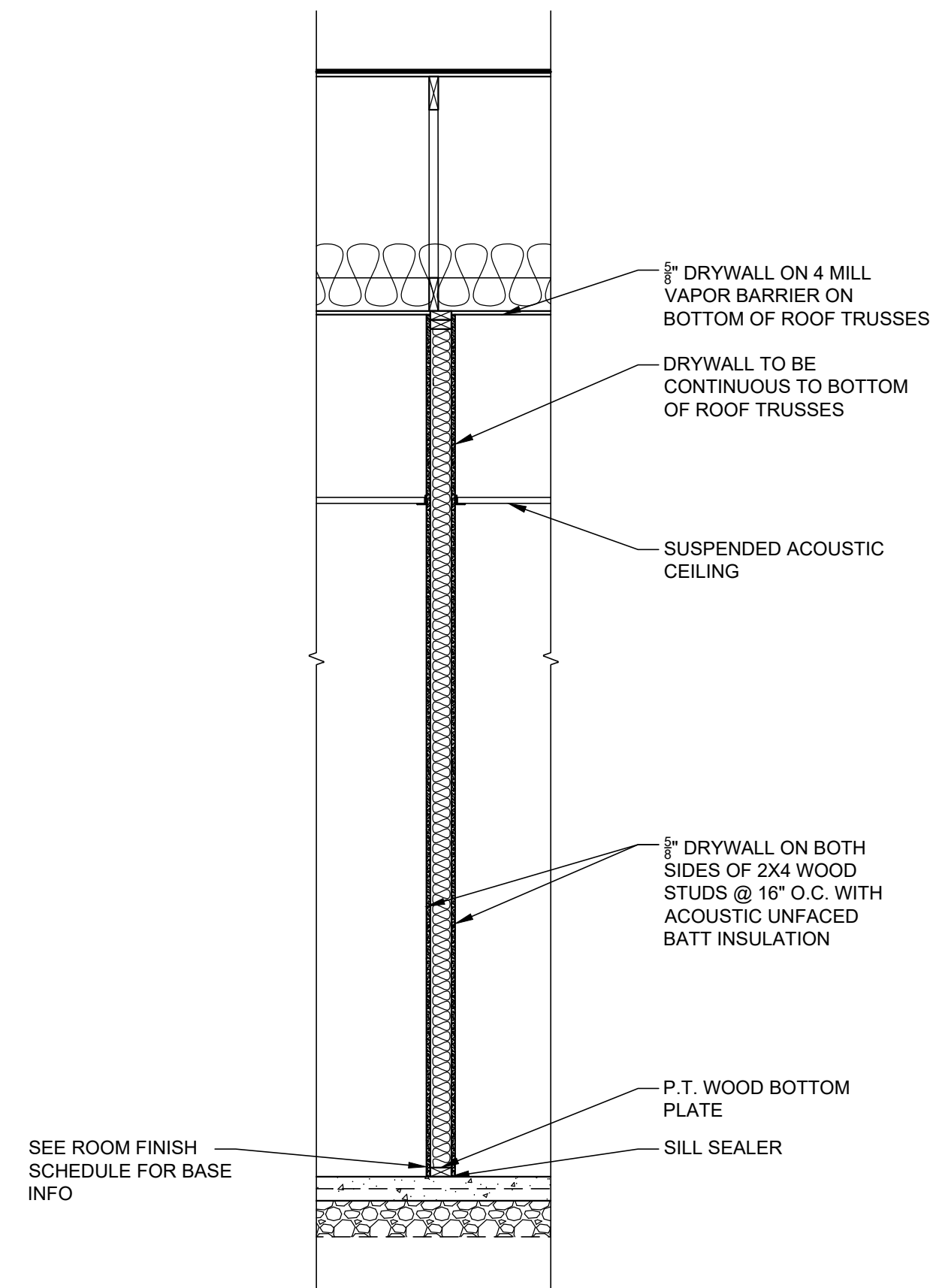
A100.1 BUILDING SECTION
A700.2 SCALE: 1/4"=1'-0"



B100.1 BUILDING SECTION
A700.2 SCALE: 1/4"=1'-0"



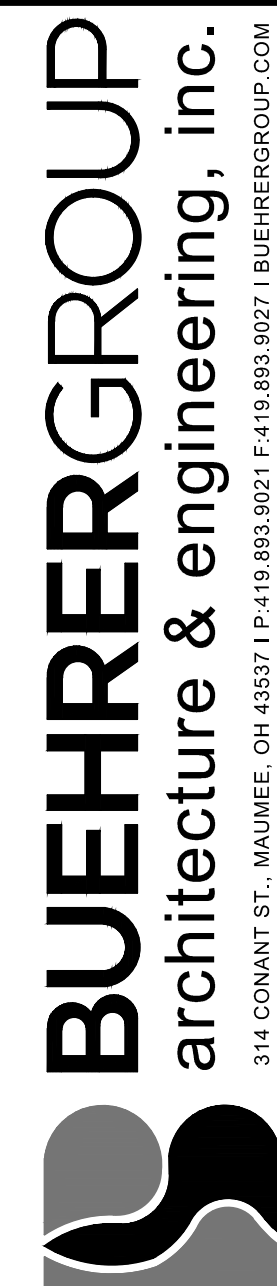
C100.1 BUILDING SECTION
A700.2 SCALE: 1/4"=1'-0"



D700.2 WALL SECTION
A700.2 SCALE: 1/4"=1'-0"



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AUGLAZE COUNTY, OHIO



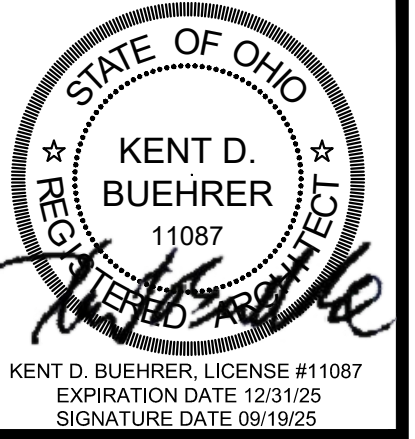
REVISION SCHEDULE

ISSUE DATE: 09/19/2025

JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

A700.2

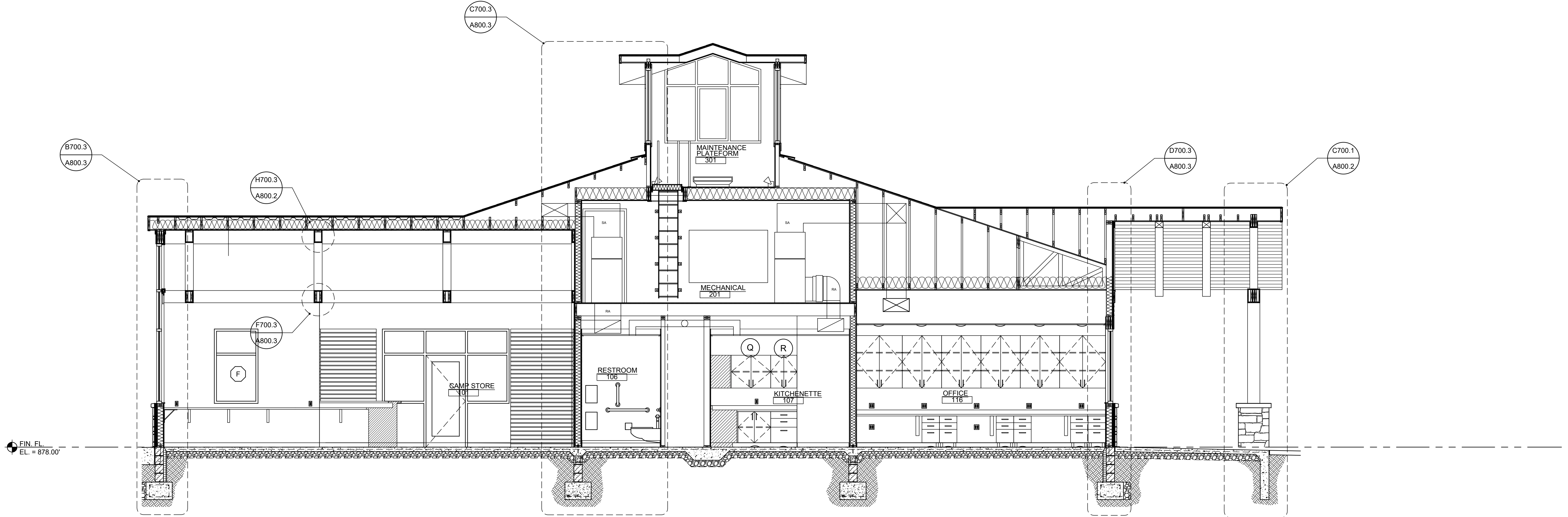


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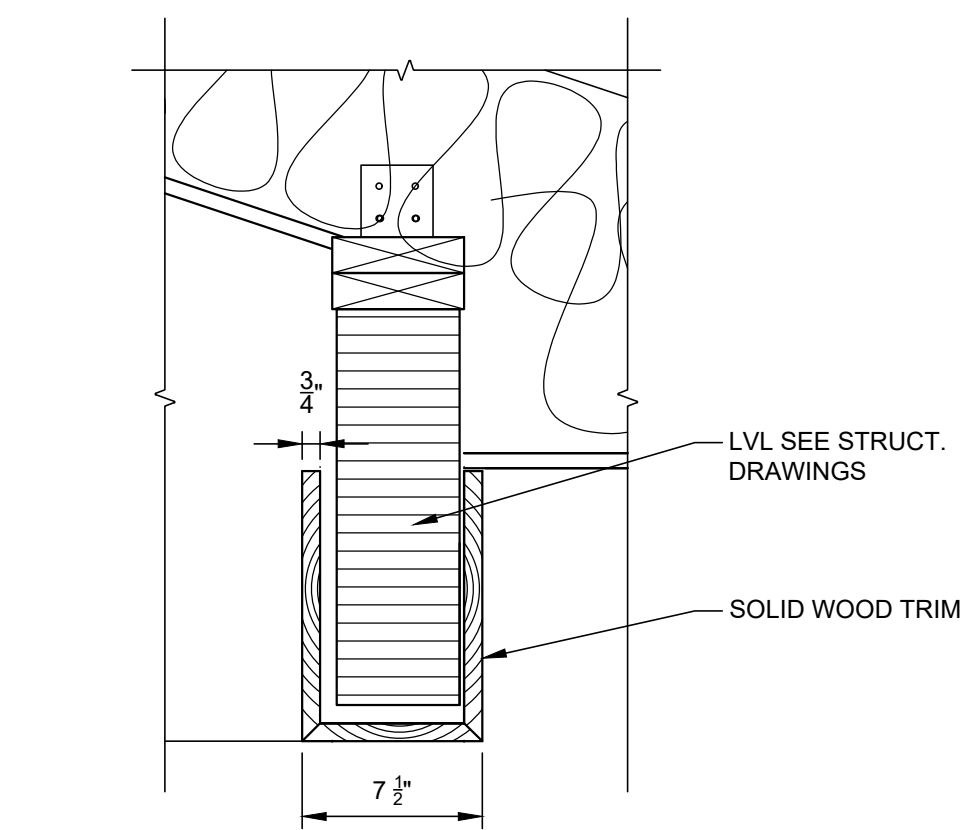
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REVISIONS	
ISSUE DATE: 09/19/2025	
JOB NUMBER: 241224	
CONSTRUCTION DOCUMENTS	

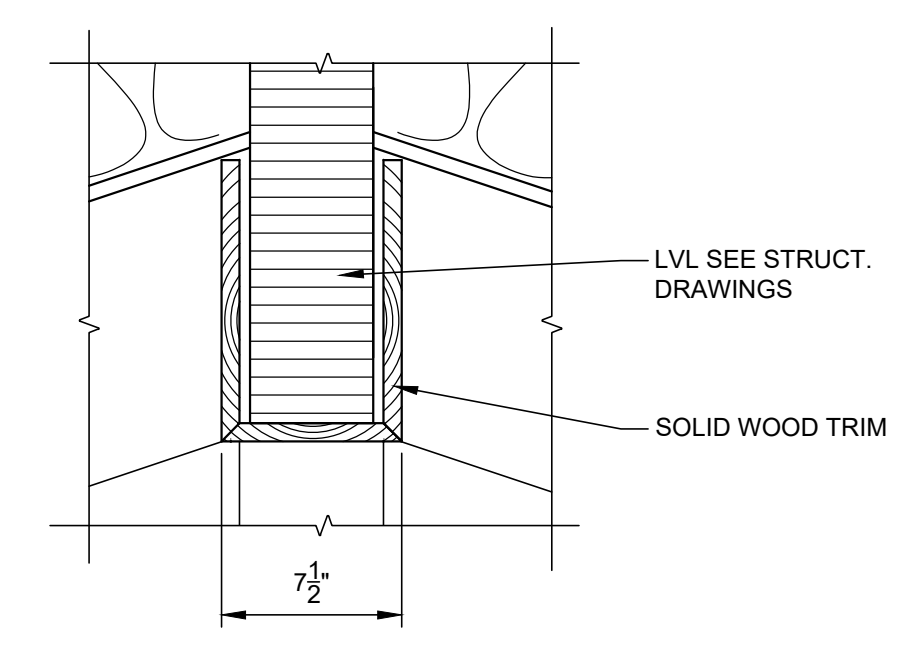
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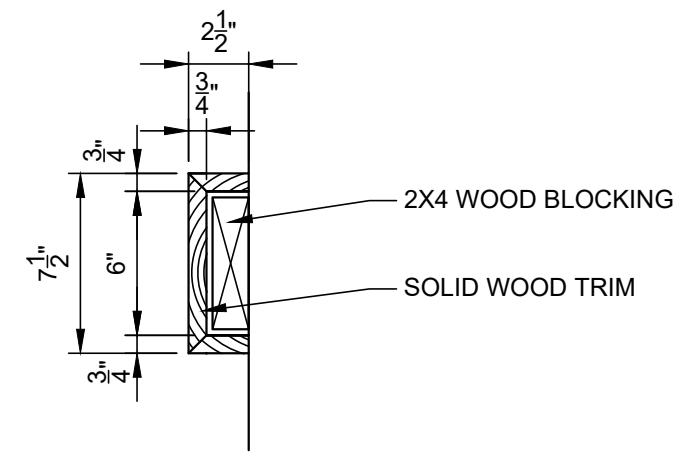
A100.1 BUILDING SECTION
A700.3 SCALE: 1/4"=1'-0"



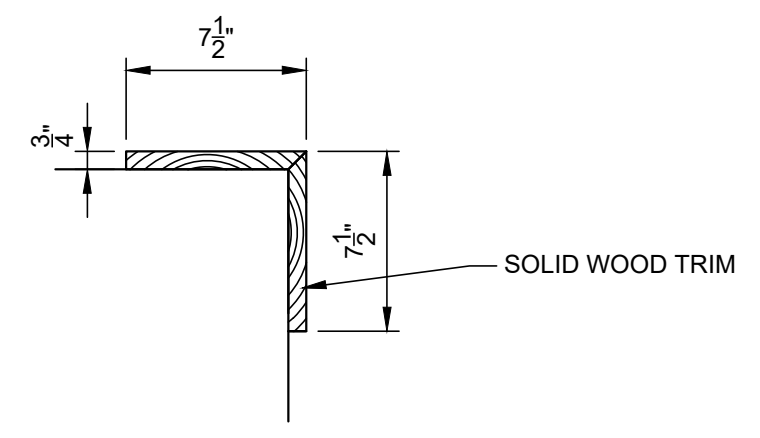
B700.1 TRIM DETAIL
A700.3 SCALE: 1 1/2"=1'-0"



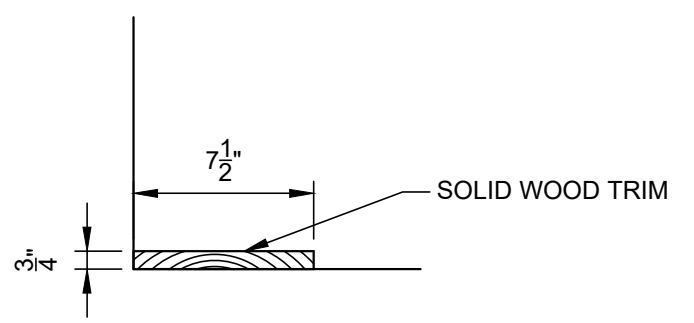
C700.1 TRIM DETAIL
A700.3 SCALE: 1 1/2"=1'-0"



D100.1 TRIM DETAIL
A700.3 SCALE: 1 1/2"=1'-0"



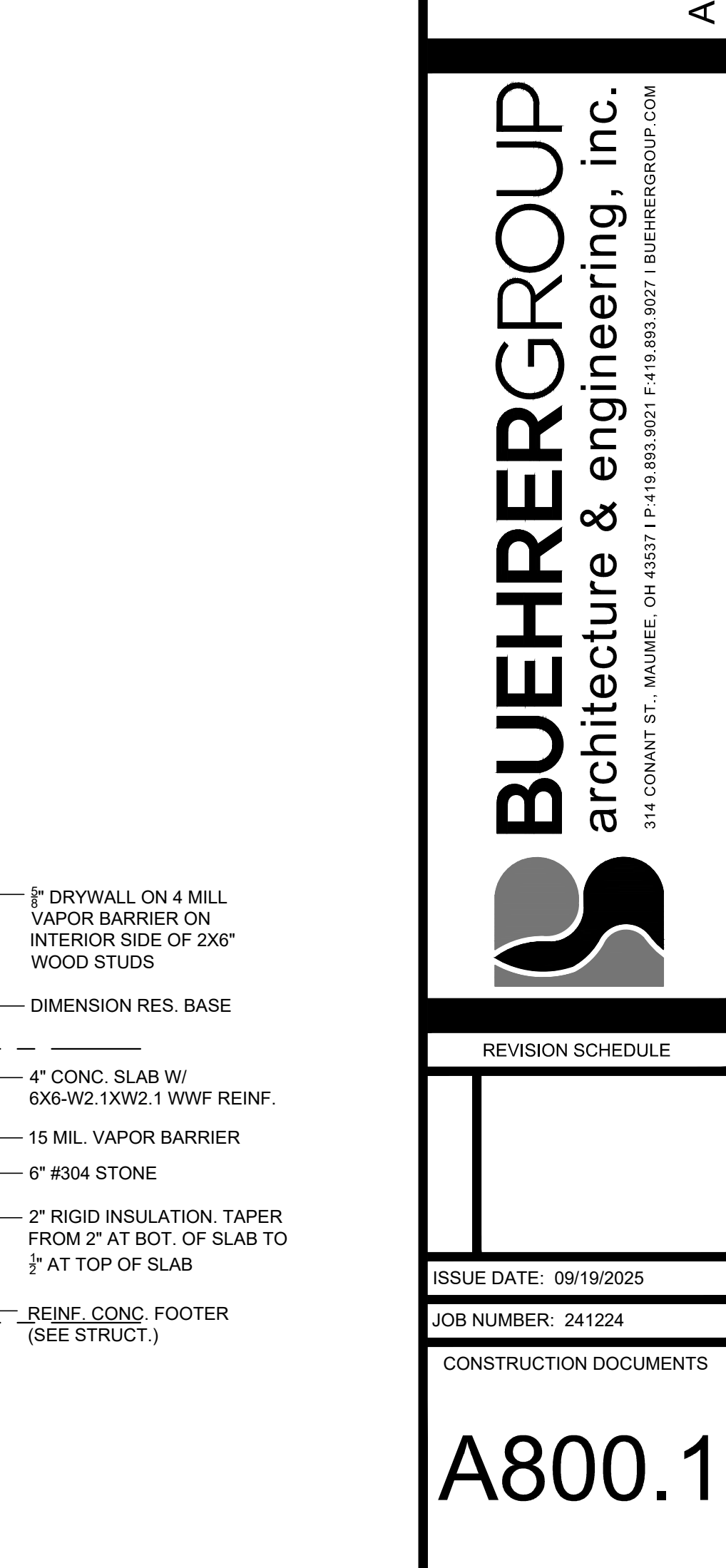
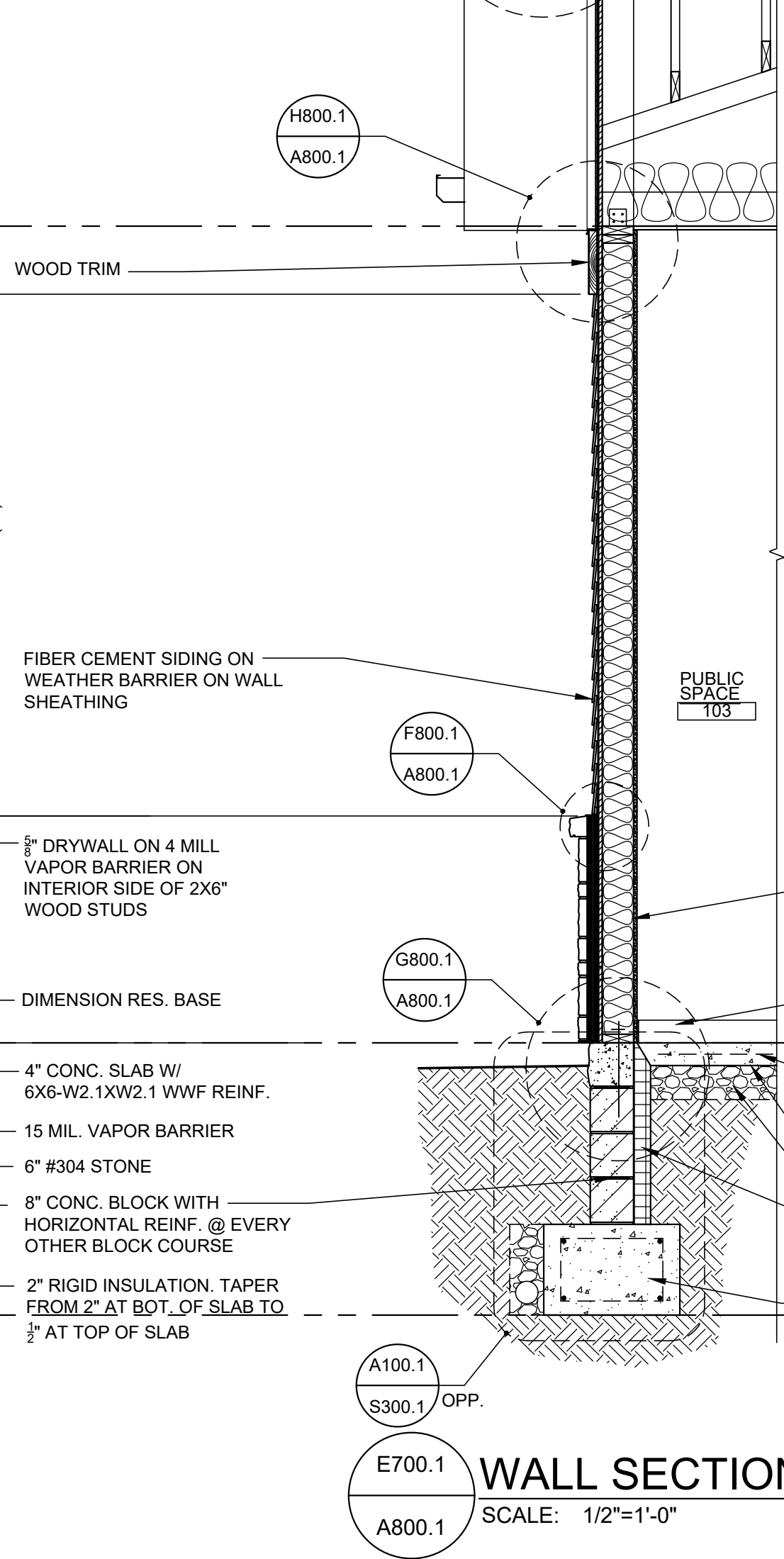
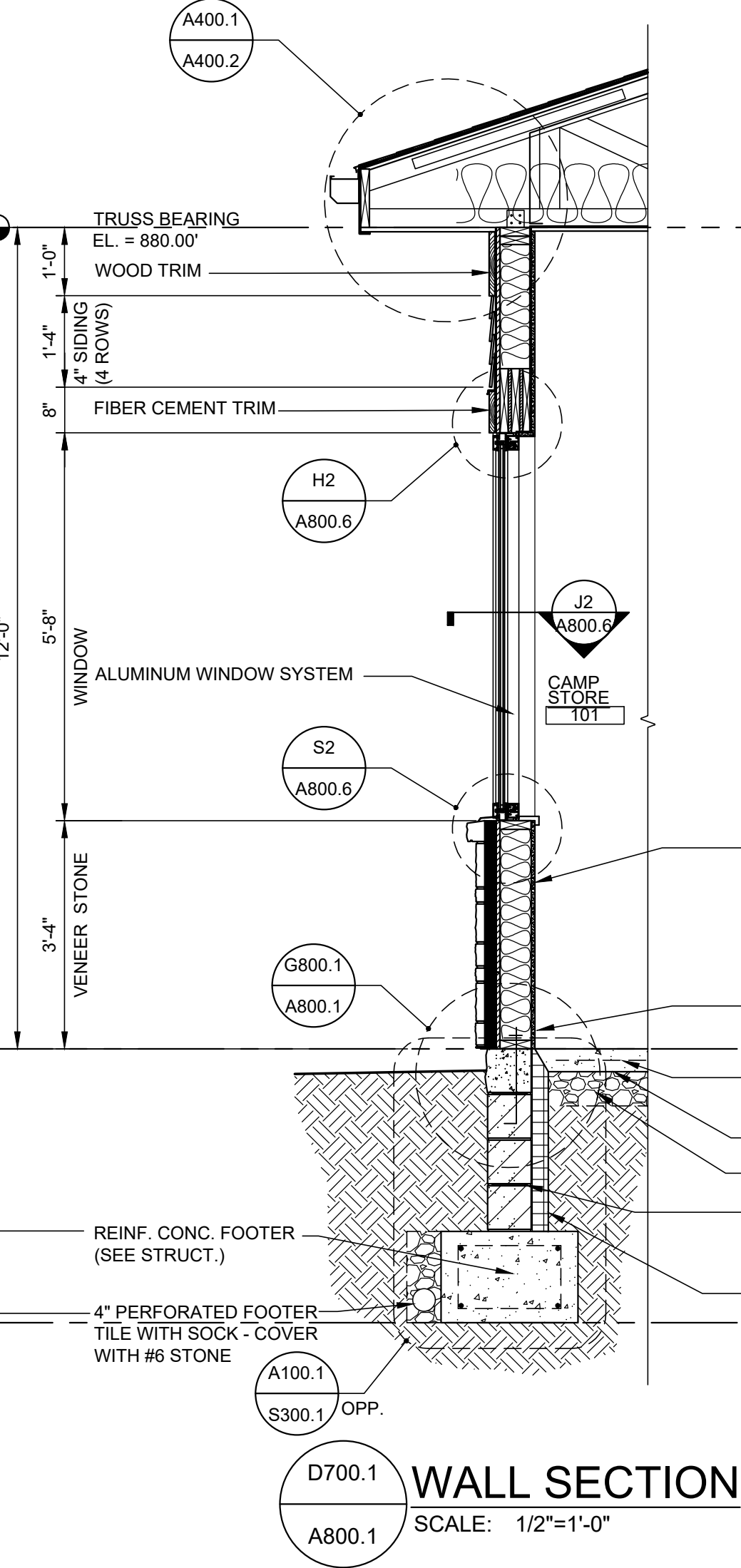
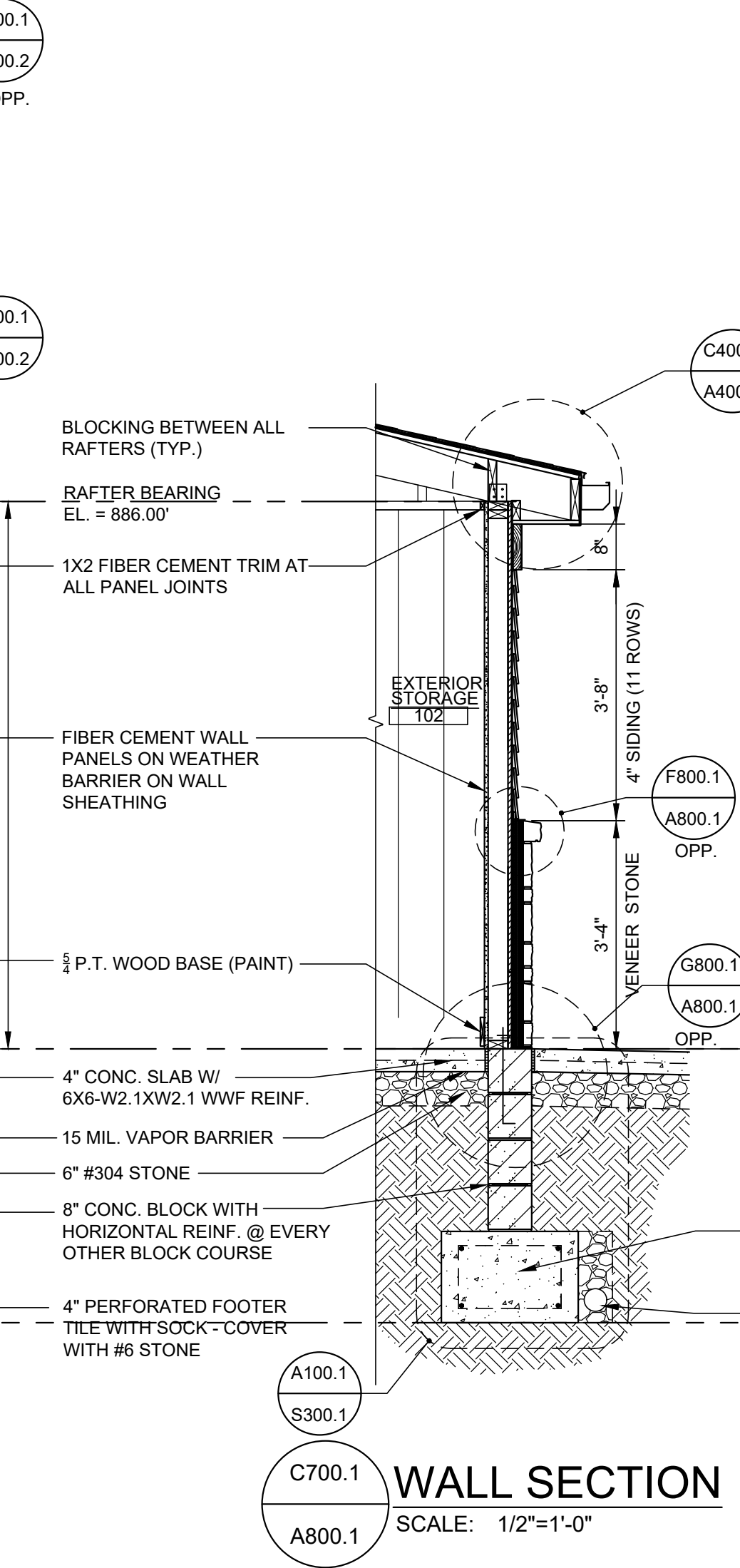
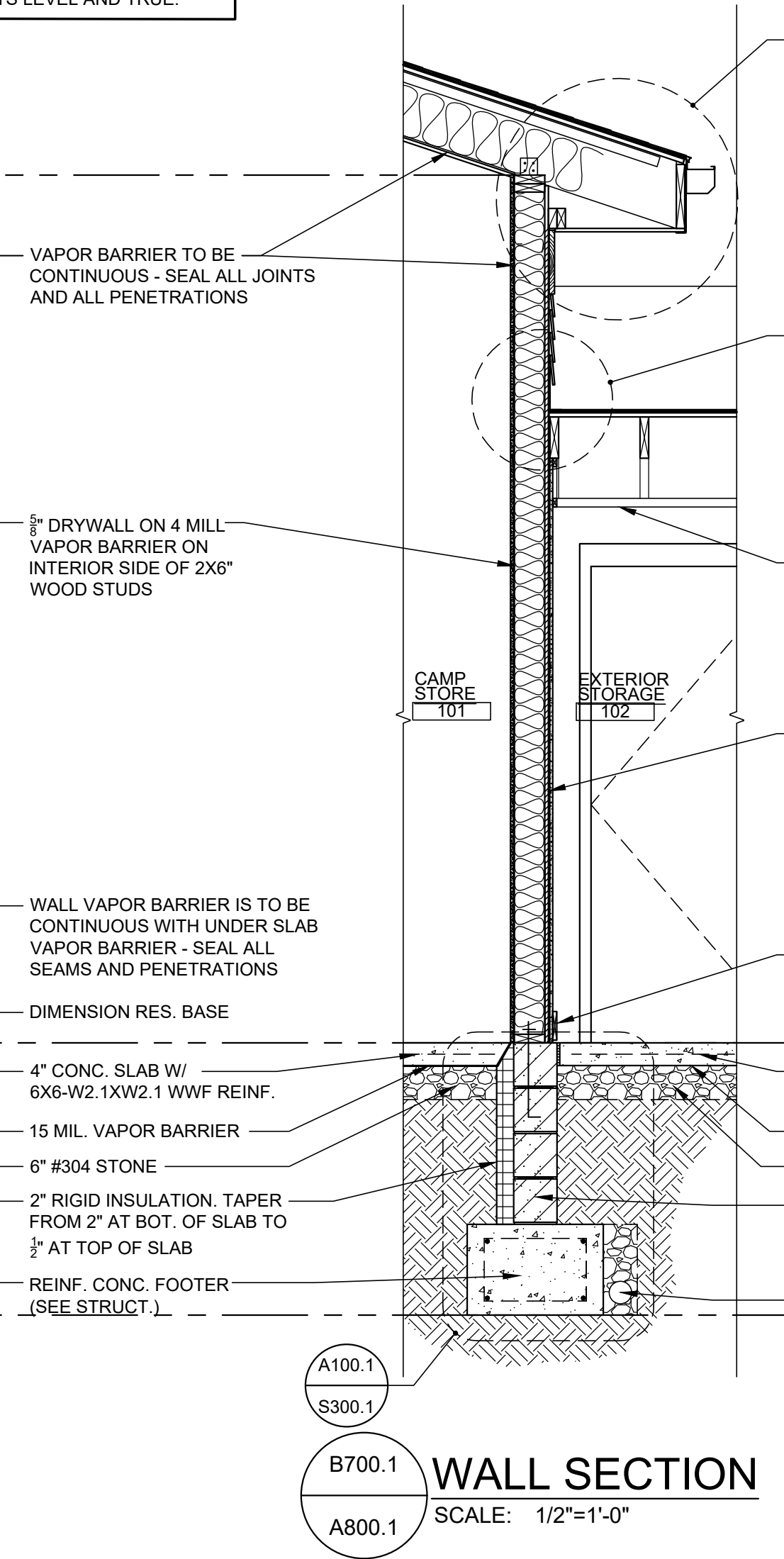
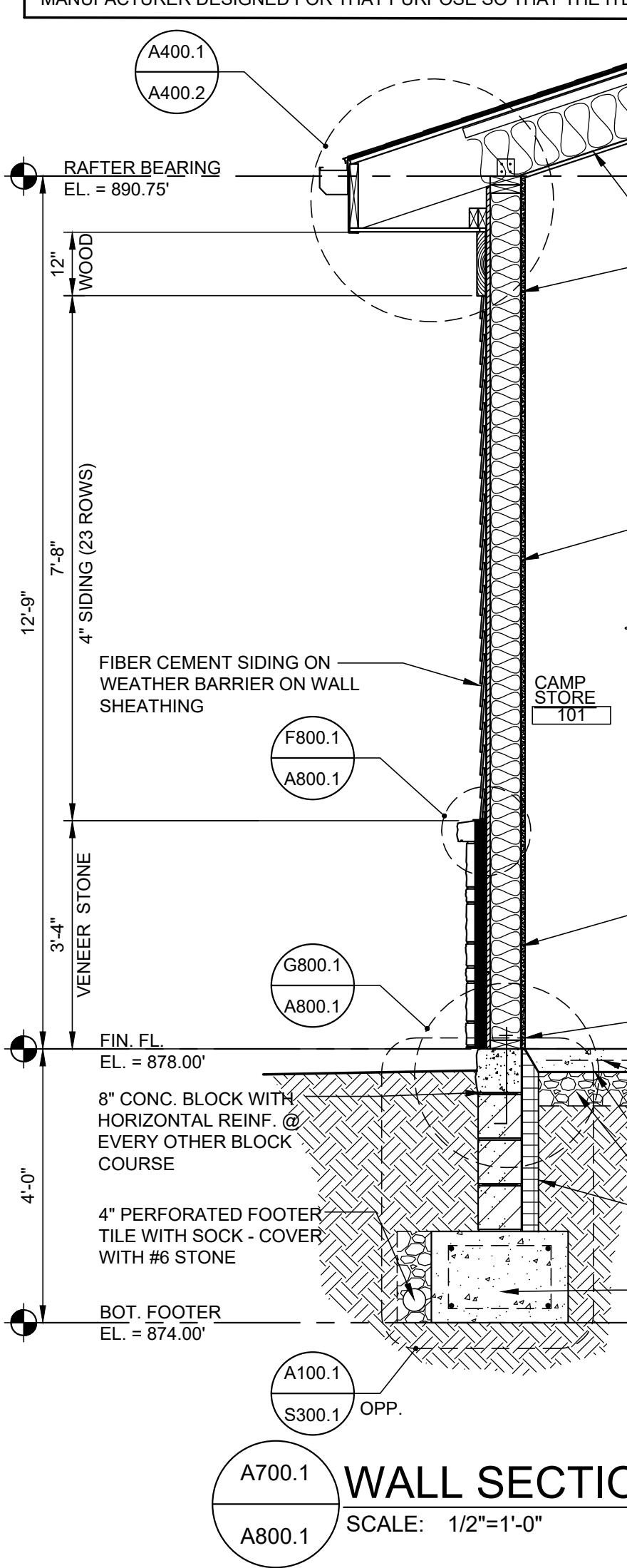
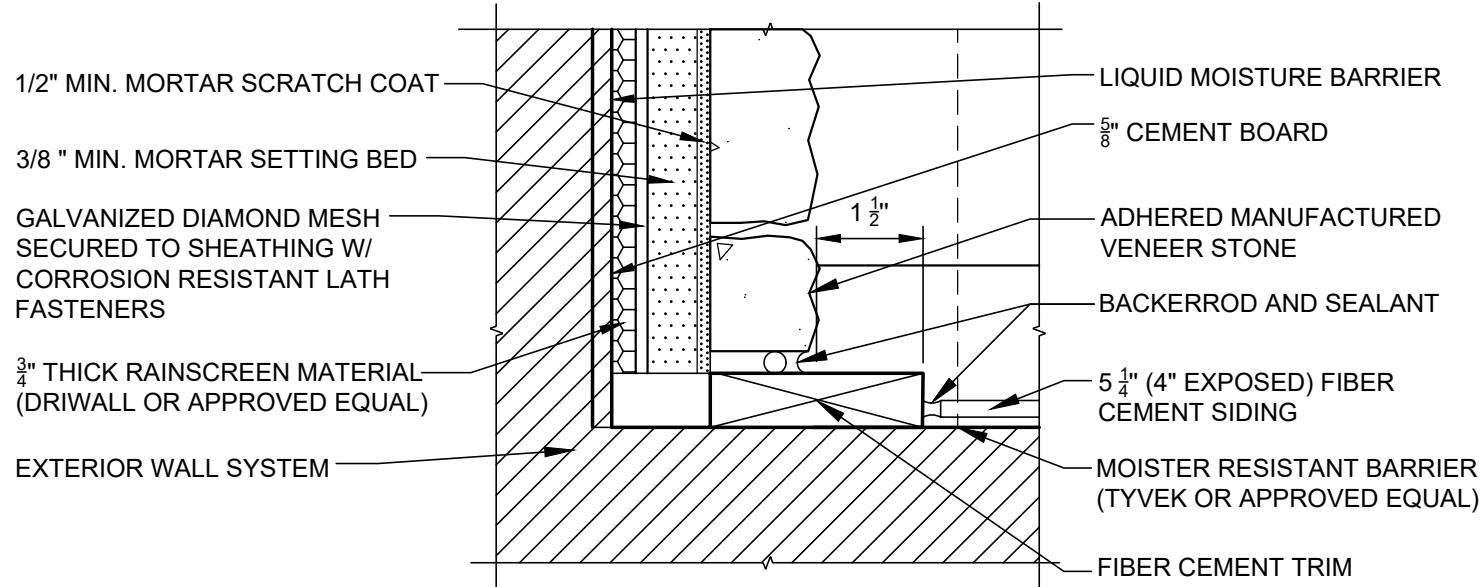
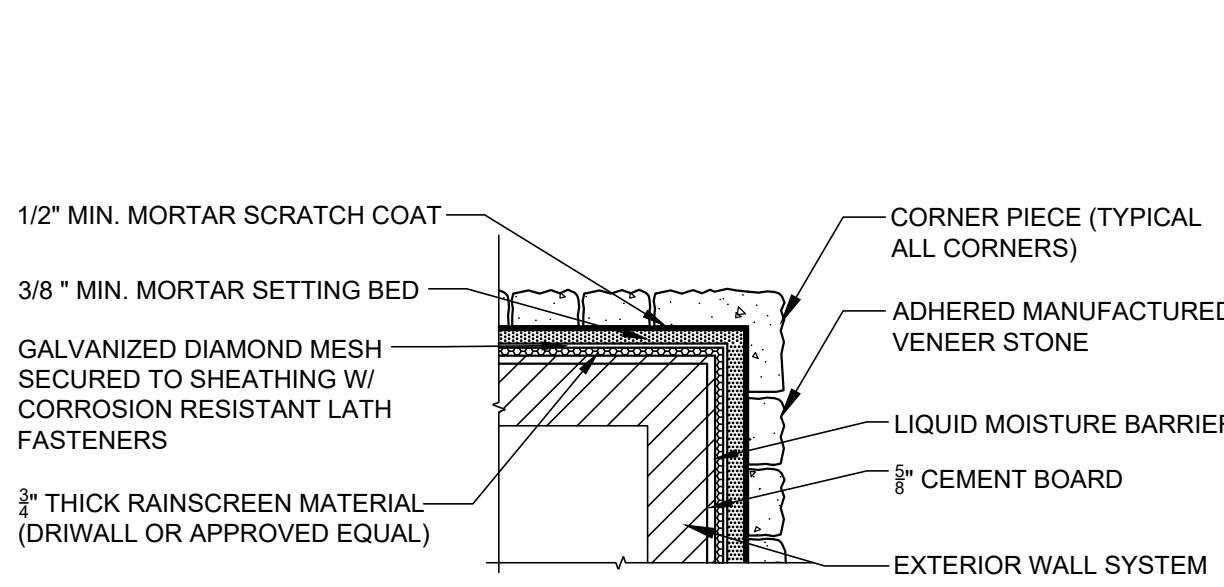
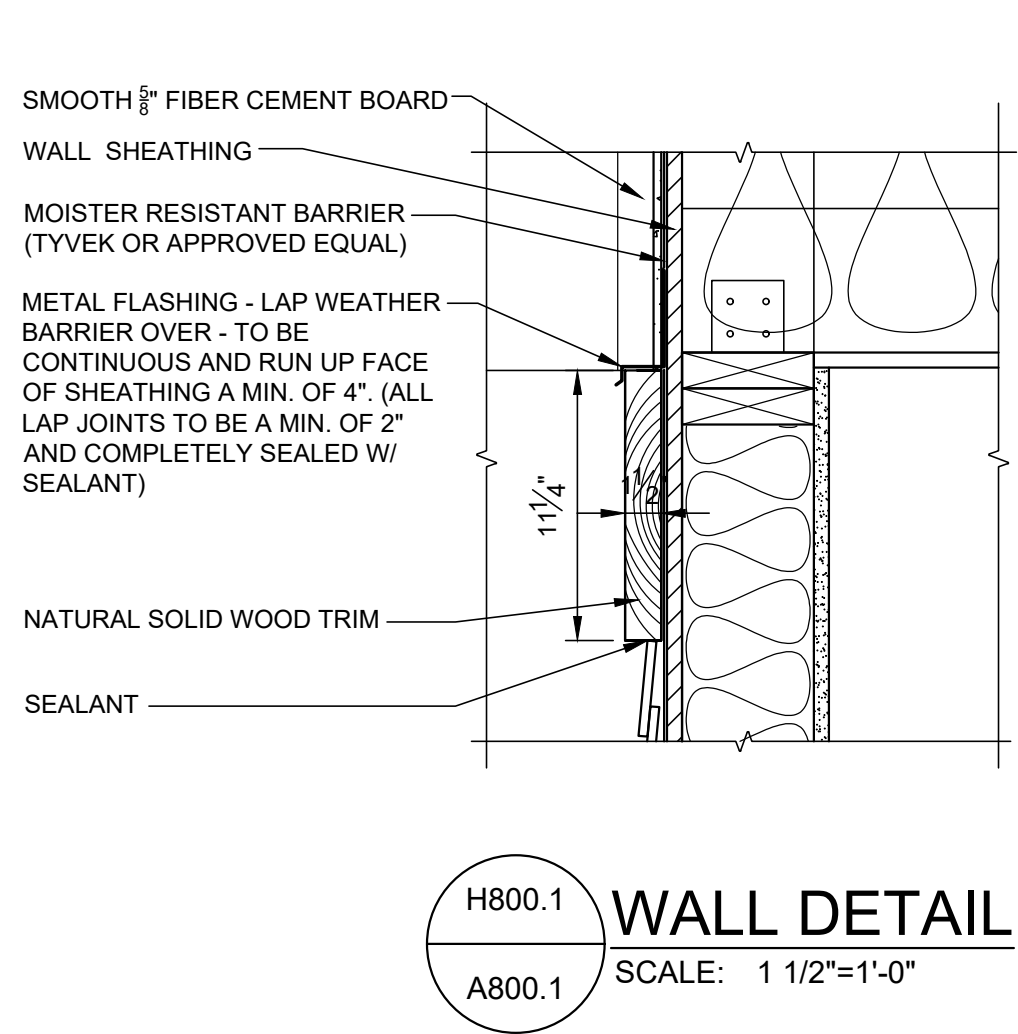
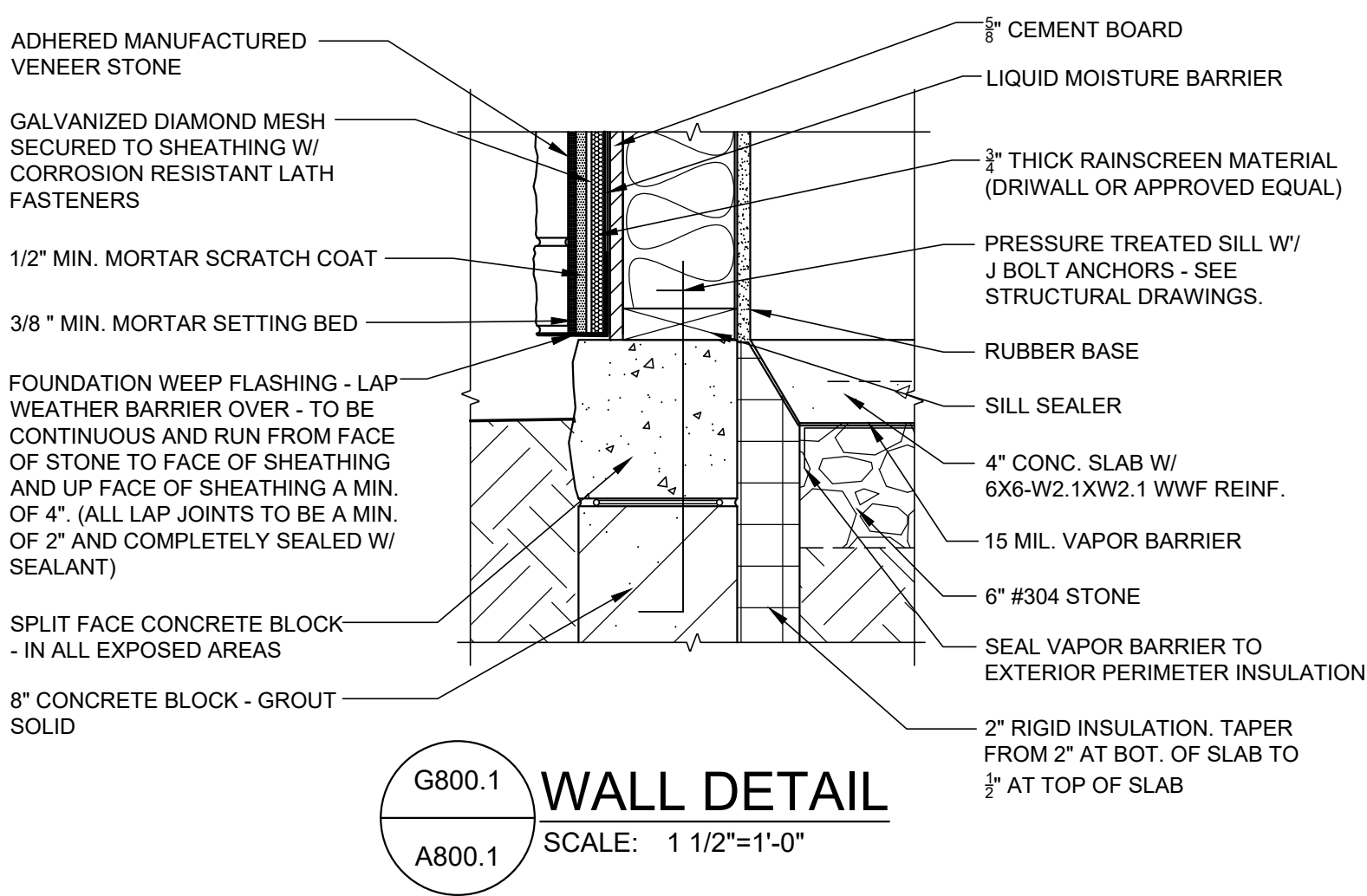
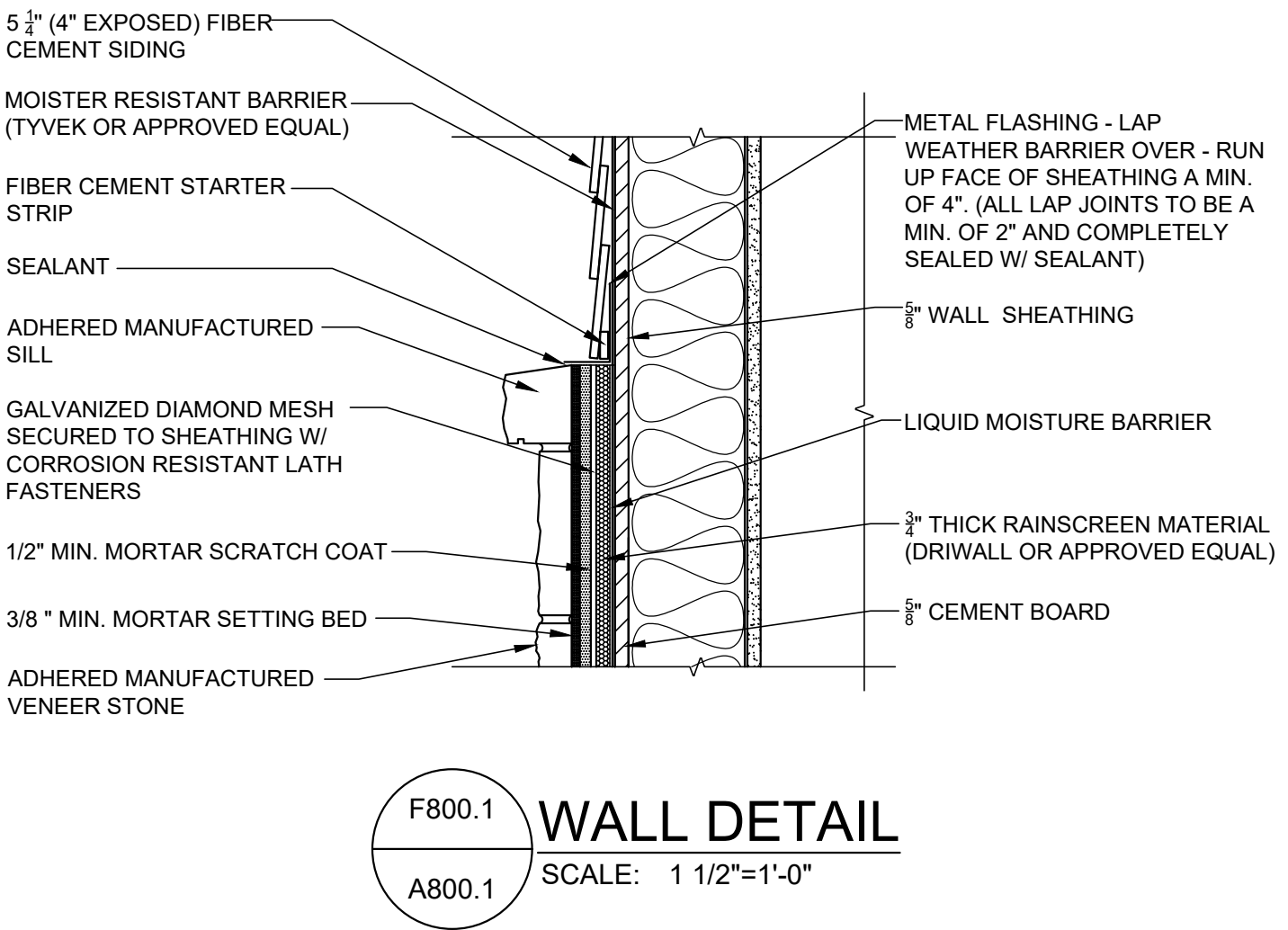
E100.1 TRIM DETAIL
A700.3 SCALE: 1 1/2"=1'-0"



F100.1 TRIM DETAIL
A700.3 SCALE: 1 1/2"=1'-0"

- WALL SECTION NOTES**
1. PROVIDE CONTINUOUS BUILDING WRAP AIR & WATER RESISTIVE BARRIER ON THE EXTERIOR SIDE OF ALL EXTERIOR WALLS. USE CAP FASTENERS FOR INSTALLATION. ALL SEAMS AND PENETRATIONS TO BE TAPED WITH WEATHER BARRIER TAPE OR APPROVED EQUAL.
 2. ALL VAPOR BARRIERS TO BE ON THE INTERIOR SIDE OF INSULATION UNLESS NOTED OTHERWISE. VAPOR BARRIER TO BE CONTINUOUS. TAPE ALL SEAMS AND ALL PENETRATIONS.
 3. FOAM INSULATE ALL VOIDS AROUND WINDOWS THAT CAN NOT BE INSULATED WITH BATT.
 4. TAPE AND COMPLETELY SEAL ALL JOINTS IN VAPOR BARRIER AND BUILDING WRAP AIR AND WATER RESISTIVE BARRIER
 5. FIREBLOCKING TO BE INSTALLED VERTICALLY AT CEILING AND FLOOR LEVELS AND HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.
 6. THE EXPOSED FINISHED CEILING DRYWALL CAN BE INSTALLED ON THE BOTTOM OF THE ROOF TRUSSES IF THE ROOF TRUSSES ARE LEVEL AND TRUE AND IF ANY UNEVENNESS CAN BE COMPLETELY HIDDEN BY THE FINISHERS. IF THIS IS NOT POSSIBLE, INSTALL STRAPPING AT 16" ON CENTER ON THE BOTTOM OF THE TRUSSES TO CREATE A LEVEL AND TRUE SURFACE FOR THE DRYWALL TO BE INSTALLED TO. NOTE: THIS WILL REDUCE THE CEILING HEIGHT BY THE HEIGHT OF THE STRAPPING AND SHIMS.
 7. ALL ROOF SHEATHING TO BE MINIMUM 3/4" PLYWOOD OR OSB EXTERIOR APA-STRUCTURAL GRADE. USE 8D COMMON NAILS AT 6" ON CETER AT EDGES AND 12" ON CENTER AT INTERMEDIATES.
 8. ALL WALL SHEATHING TO BE MINIMUM 5/8" PLYWOOD OR OSB EXTERIOR APA-STRUCTURAL GRADE. USE 8D COMMON NAILS AT 6" ON CETER AT EDGES AND 12" ON CENTER AT INTERMEDIATES.
 9. R-VALUE OF ROOF INSULATION SHALL BE R-38
 10. FIBER CEMENT SIDING TO BE A MINIMUM 2" ABOVE ROOF SURFACE, OR PER MANUFACTURER'S REQUIREMENTS.
 11. ALL EXPOSED FLASHING TO MATCH ROOF COLOR.
 12. ALL VAPOR BARRIER AND WEATHER BARRIERS TO BE TAPED AND SEALED TO CREATED A CONTINUES UNINTERRUPTED BARRIER.

- MANUFACTURE STONE NOTES**
1. ALL FLASHING, WRB, FASTENERS, METAL LATH, SCRATCH COATS AND SETTING BEDS TO BE COMPATIBLE WITH ADHERED CONCRETE MASONRY SYSTEM.
 2. ADHERED CONCRETE MASONRY VENEER ALTERNATE SHORT END RETURNS ABOVE AND BELOW AT ALL CORNER LOCATIONS
 3. WRAP LATH AROUND CORNER TO NEXT FRAMING MEMBER AND LAP LATH AT FRAMING MEMBER - TYPICAL ALL INSIDE AND OUTSIDE CORNERS
 4. EXTEND BOTH LAYERS OF WRB FROM EACH DIRECTION AROUND CORNER 12" MIN. TYPICAL ALL INSIDE AND OUTSIDE CORNERS.
 5. PROVIDE DRAINAGE MAT AT ALL STONE LOCATIONS.
 6. SHEATHING AT STONE LOCATIONS TO BE CEMENT BOARD.
 7. MOISTURE BARRIER TO BE LIQUID APPLIED AT ALL STONE LOCATIONS.
 8. AT ALL EXTERIOR LIGHT, OUTLETS, HOSE BIBBS, ETC. PROVIDE A FLAT STONE PIECE BY THE MANUFACTURER DESIGNED FOR THAT PURPOSE SO THAT THE ITEM SITS LEVEL AND TRUE.

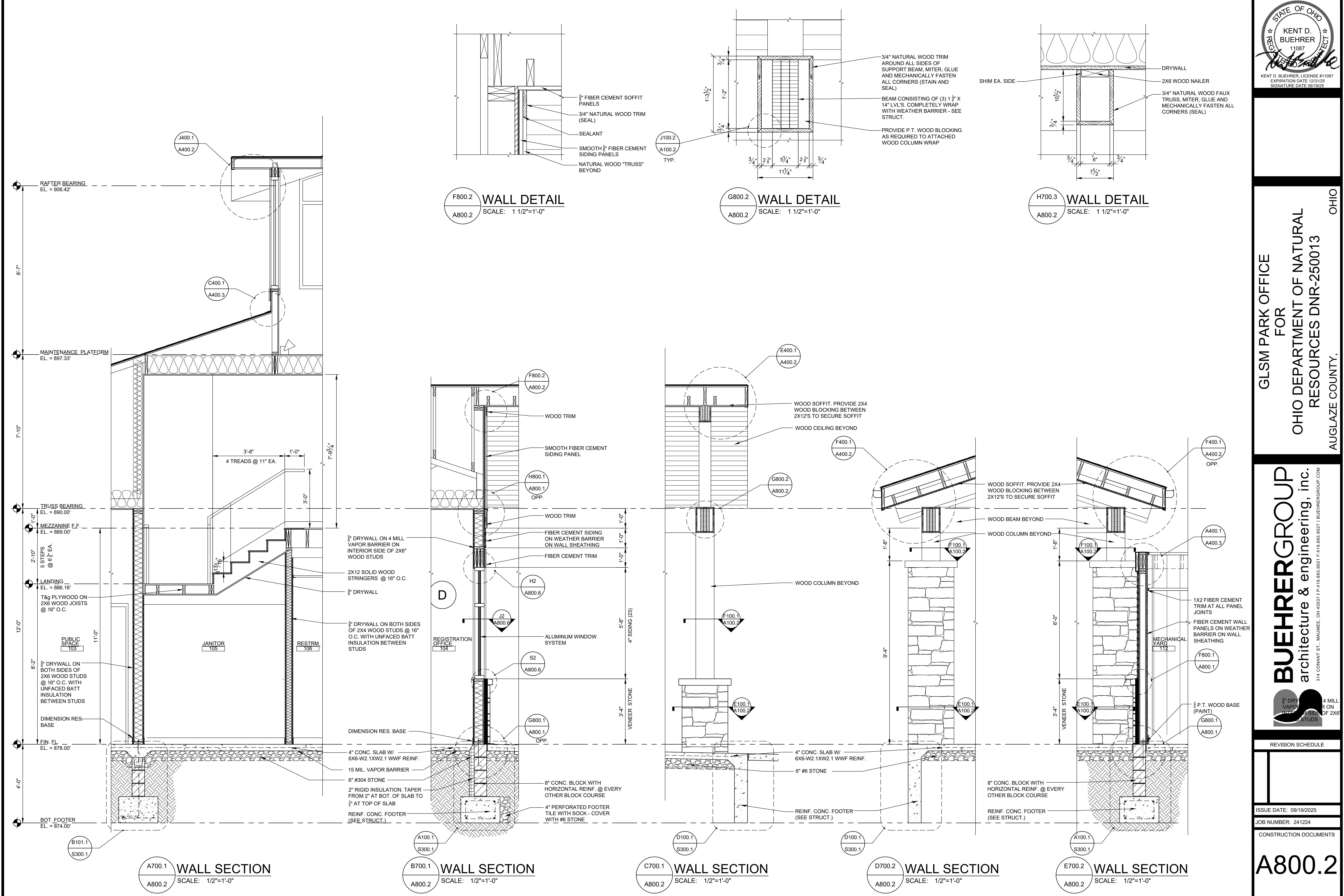


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REVISION SCHEDULE	
ISSUE DATE: 09/19/2025	
JOB NUMBER: 241224	
CONSTRUCTION DOCUMENTS	

A800.1

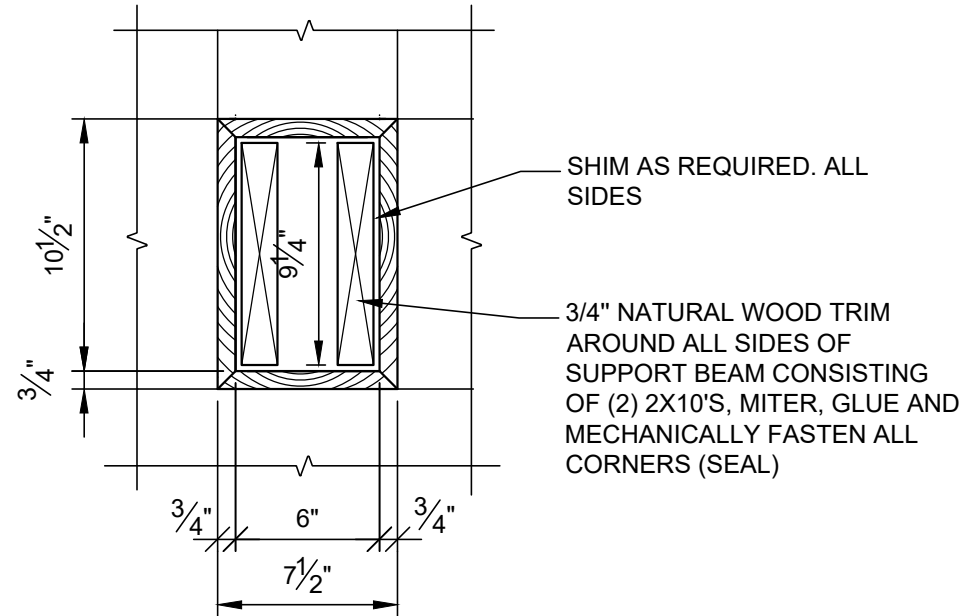


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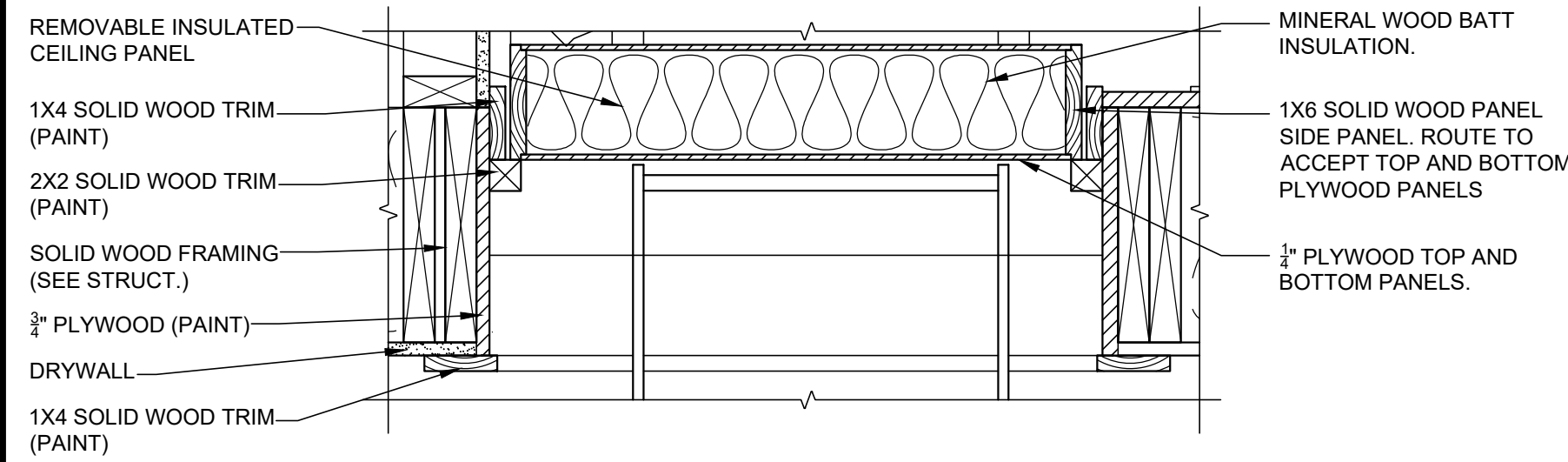
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REVISIONS	
1	ISSUE DATE: 09/19/2025
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3	CONSTRUCTION DOCUMENTS

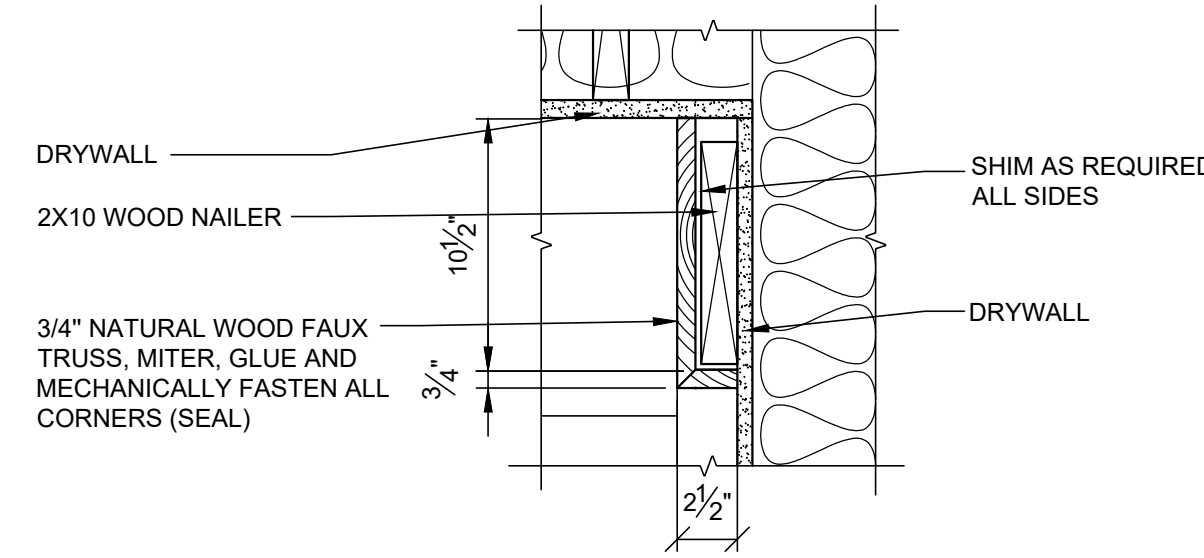
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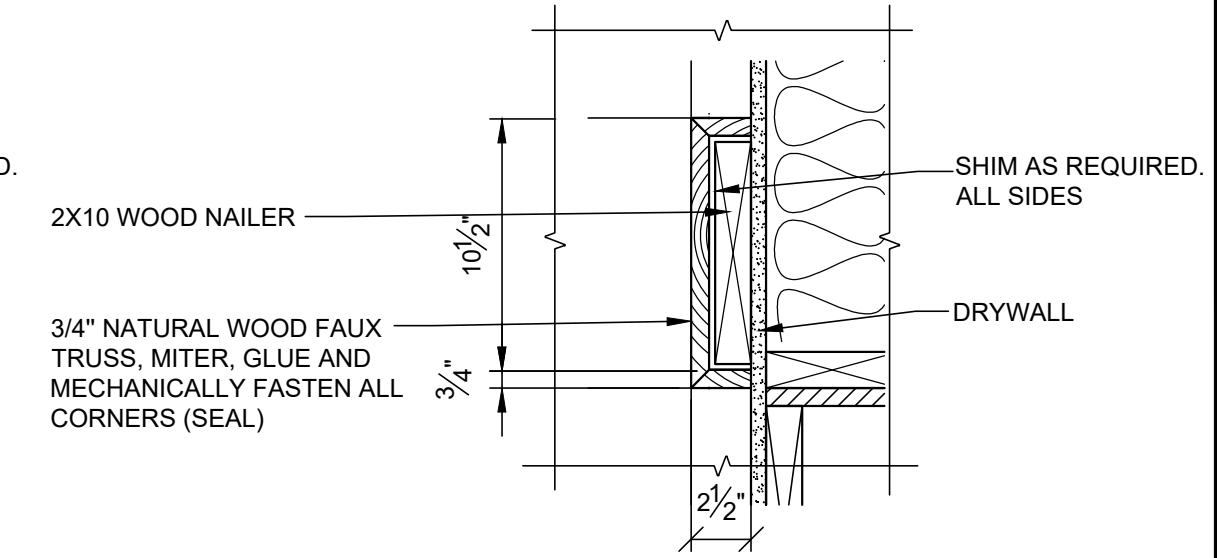
F700.3 WALL DETAIL
A800.3 SCALE: 1 1/2"=1'-0"



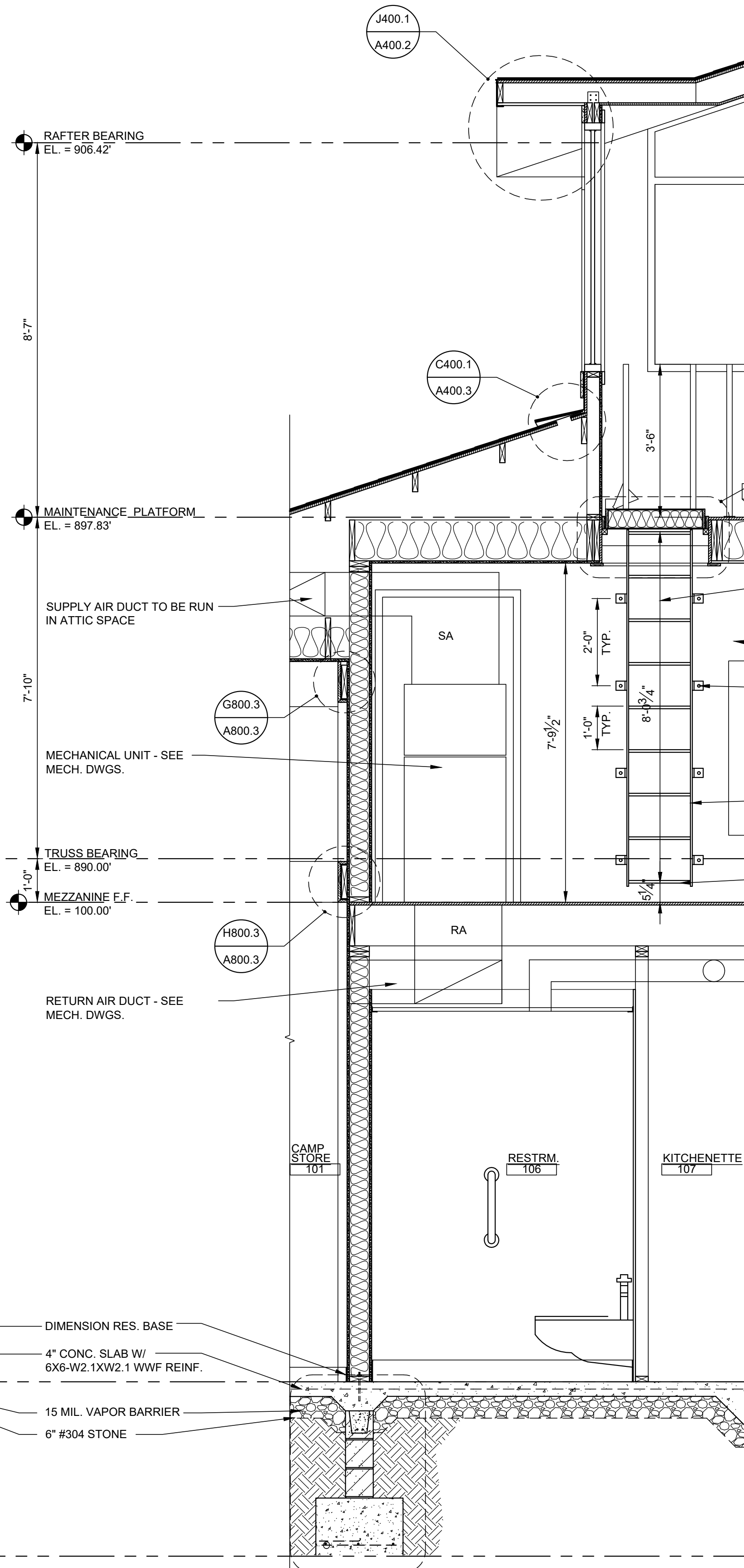
J800.3 WALL DETAIL
A800.3 SCALE: 1 1/2"=1'-0"



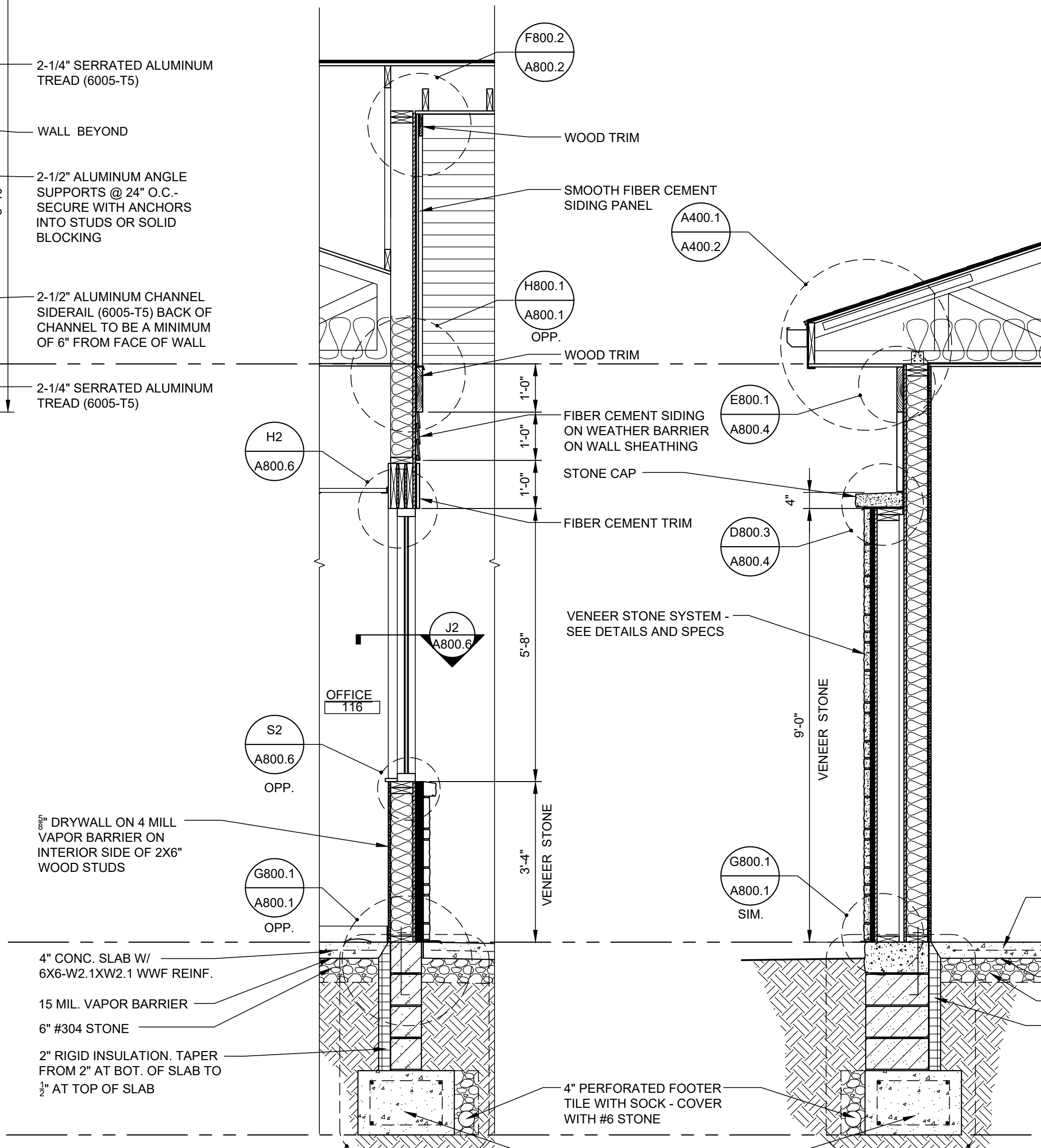
G800.3 WALL DETAIL
A800.3 SCALE: 1 1/2"=1'-0"



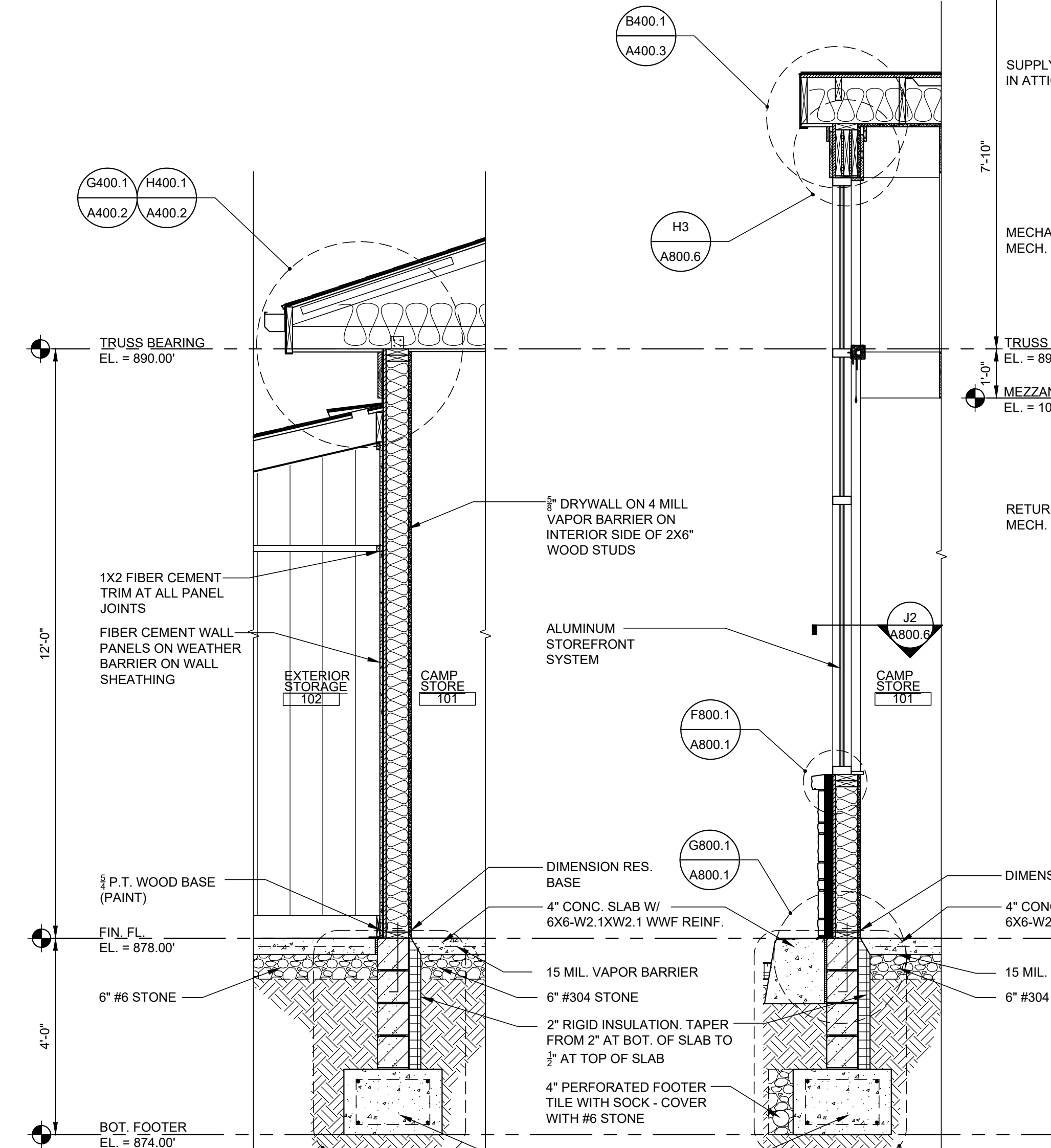
H800.3 WALL DETAIL
A800.3 SCALE: 1 1/2"=1'-0"



C700.3 WALL SECTION
A800.3 SCALE: 1/2"=1'-0"



D700.3 WALL SECTION
A800.3 SCALE: 1/2"=1'-0"



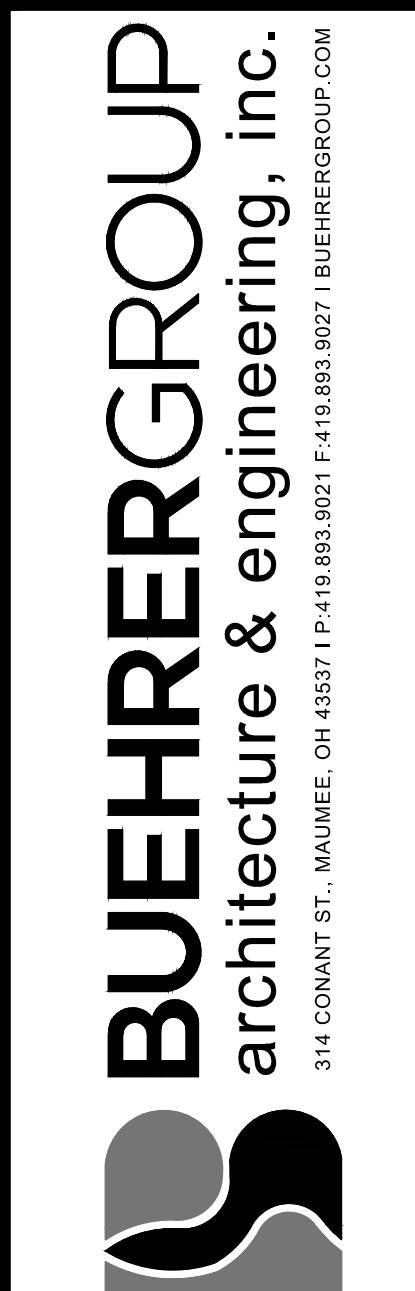
A700.2 WALL SECTION
A800.3 SCALE: 1/2"=1'-0"

B700.3 WALL SECTION
A800.3 SCALE: 1/2"=1'-0"

E100.2 WALL SECTION
A800.3 SCALE: 1/2"=1'-0"

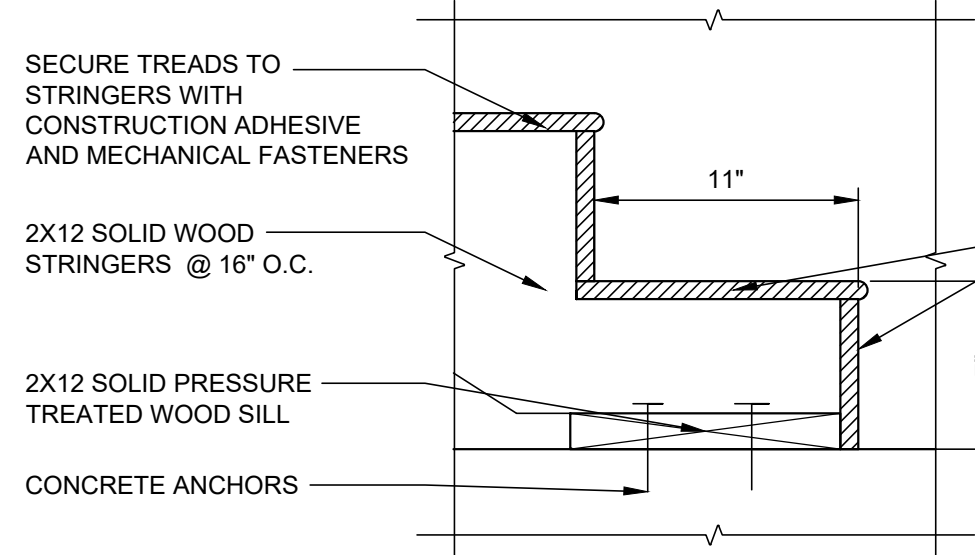


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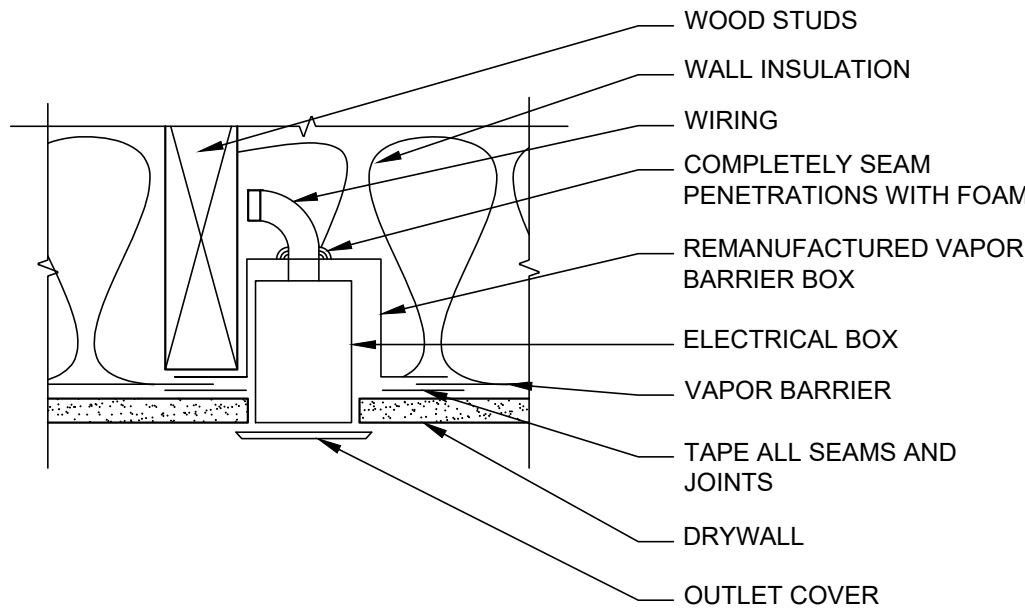


REVISION	SCHEDULE
1	ISSUE DATE: 09/19/2025
2	JOB NUMBER: 241224
3	CONSTRUCTION DOCUMENTS

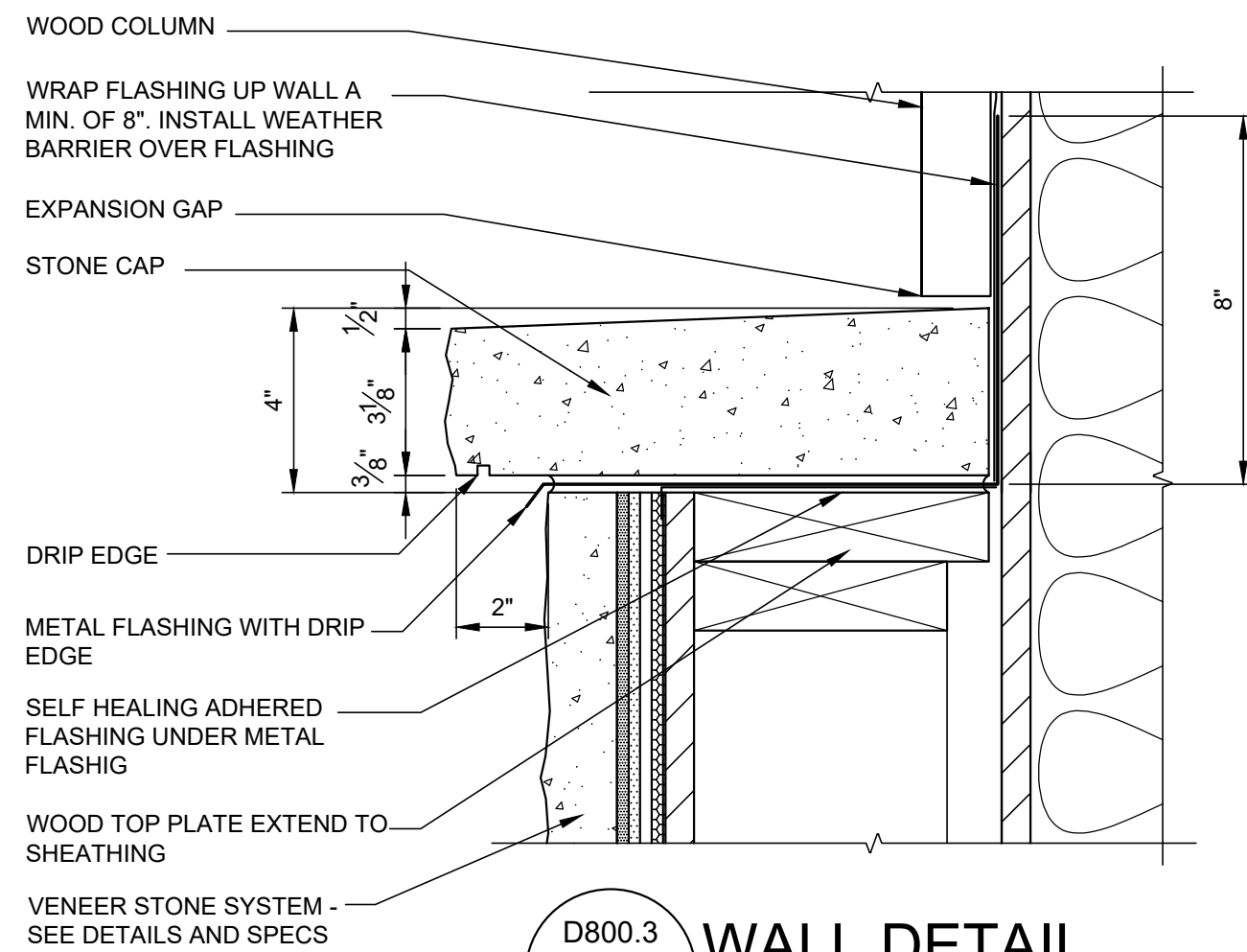
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B800.4 WALL SECTION
A800.4 SCALE: 1 1/2"=1'-0"

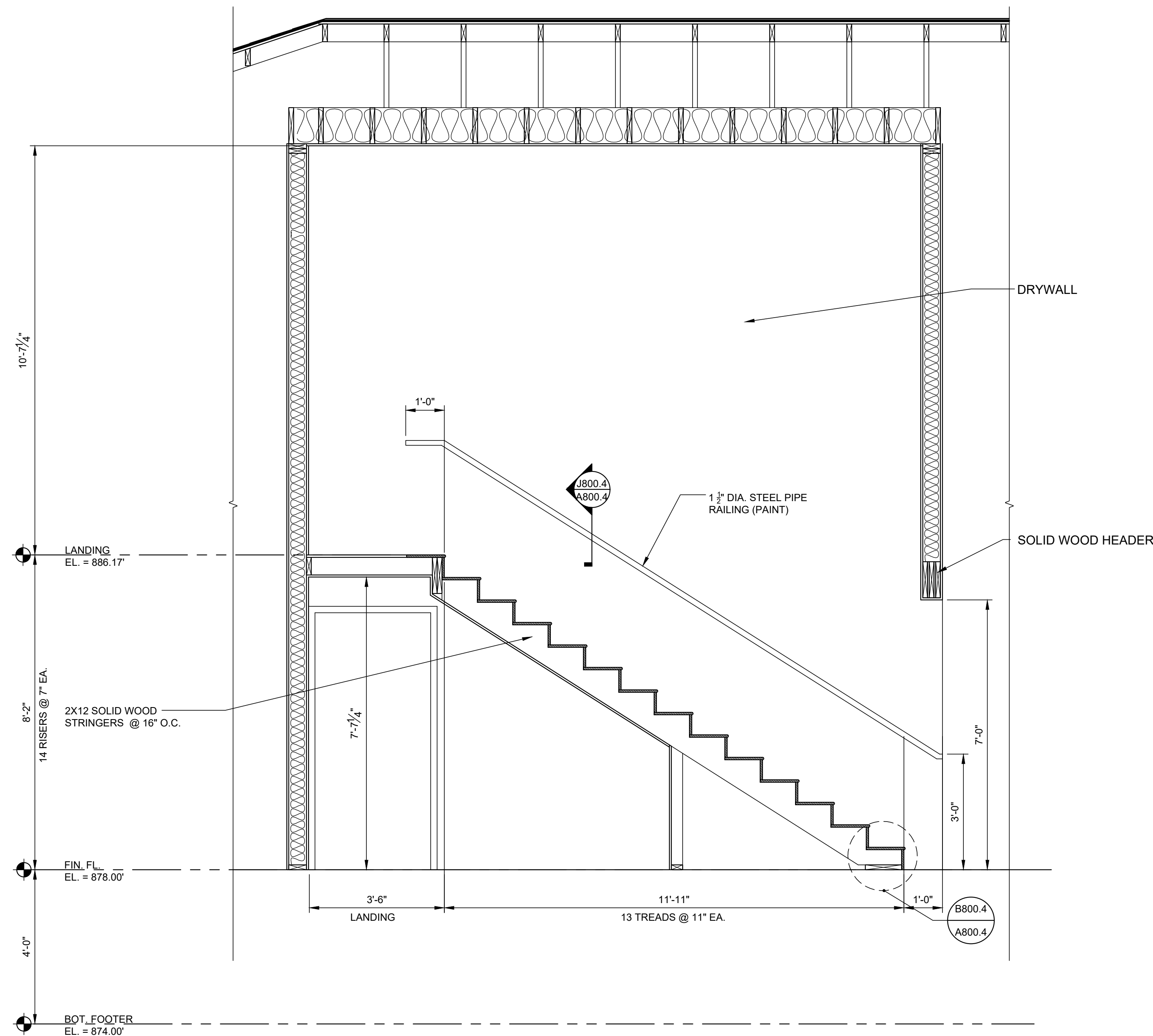


C800.4 VAPOR BARRIER DETAIL
A800.4 SCALE: 1 1/2"=1'-0"
TYP. ALL EXTERIOR WALL ELECTRICAL AND TECH. BOXES.

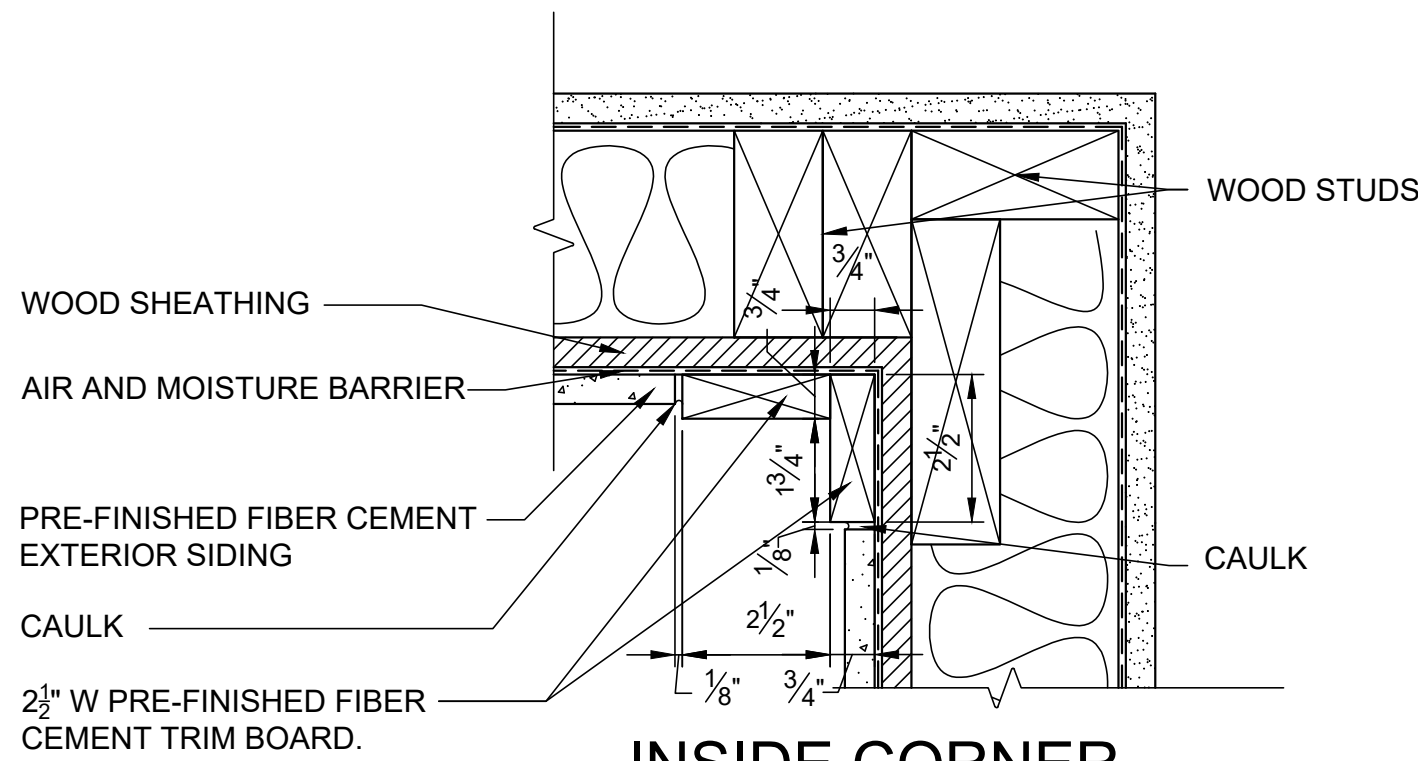


D800.3 WALL DETAIL
A800.4 SCALE: 3"=1'-0"

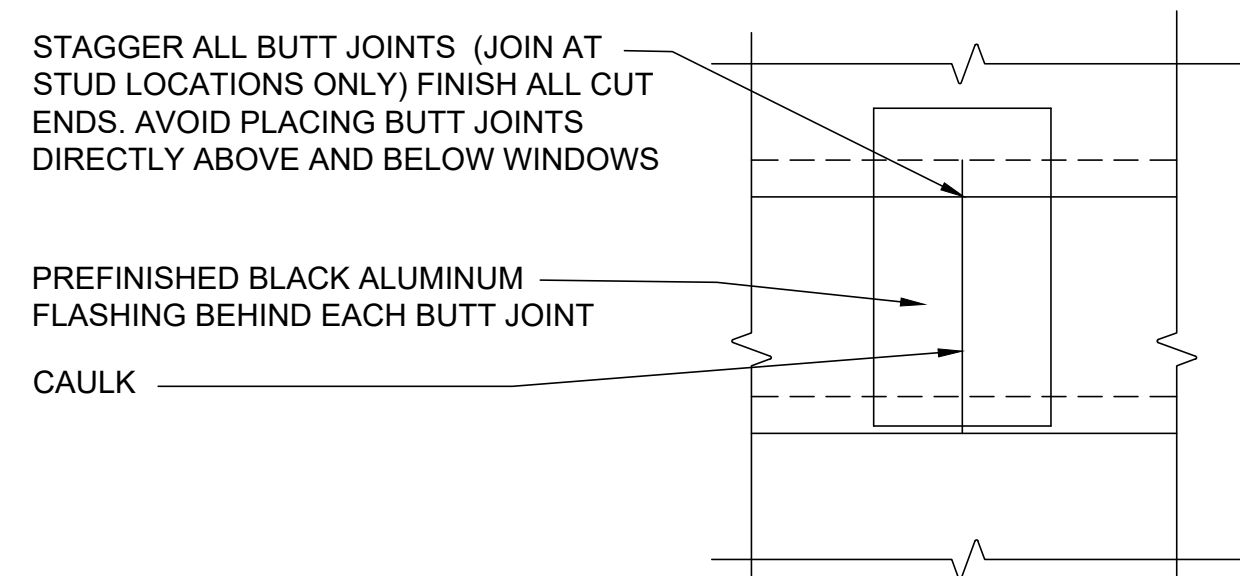
- ### SIDING NOTES
1. PROVIDE TYVEK OR APPROVED EQUAL CONTINUOUS BUILDING WRAP AIR & WATER RESISTIVE BARRIER ON THE EXTERIOR SIDE OF ALL EXTERIOR WALLS. ALL SEAMS AND PENETRATIONS TO BE TAPED WITH HARIDE WRAP WEATHER BARRIER TAPE OR APPROVED EQUAL.
 2. STAGGER ALL BUTT JOINTS (JOIN AT STUD LOCATIONS ONLY) FINISH ALL CUT ENDS. AVOID PLACING BUTT JOINTS DIRECTLY ABOVE AND BELOW WINDOWS
 3. INSTALL TRIM FIRST AND BUTT LAP SIDING INTO TRIM. DO NOT INSTALL TRIM OVER LAP SIDING
 4. STOP SIDING 6" ABOVE GRADE AND W" ABOVE CONCRETE STOOPS
 5. SIDING SHALL BE CEMENT FIBER BOARD 5/16" THICK, 5 1/2" WIDTH, 4" EXPOSED SIDING, 12' PLANKS OR APPROVED EQUAL BY ARCHITECT.



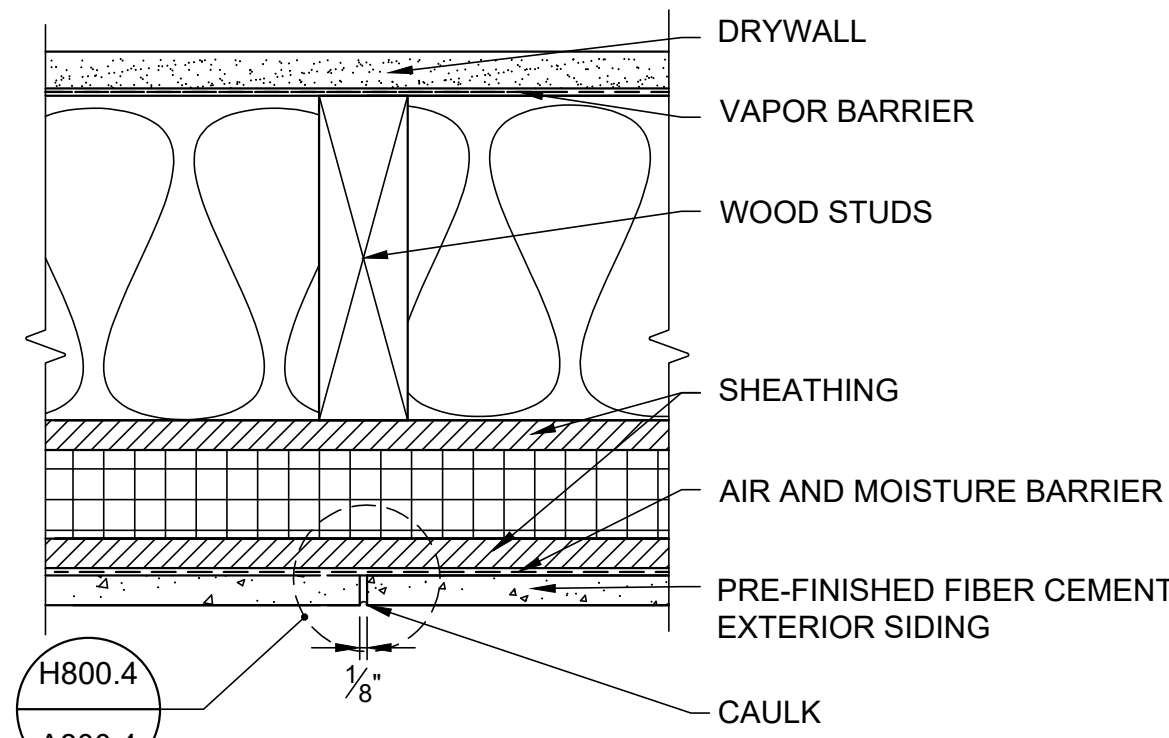
A100.1 WALL SECTION
A800.4 SCALE: 1/2"=1'-0"



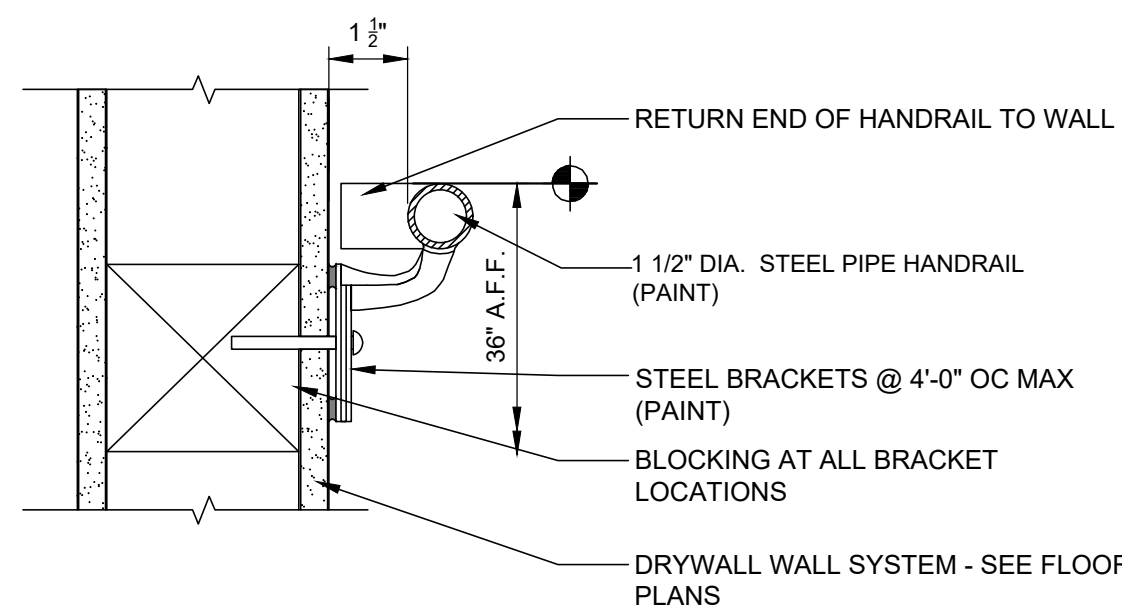
F800.4 INSIDE CORNER SIDING DETAILS
A800.4 SCALE: 3"=1'-0"



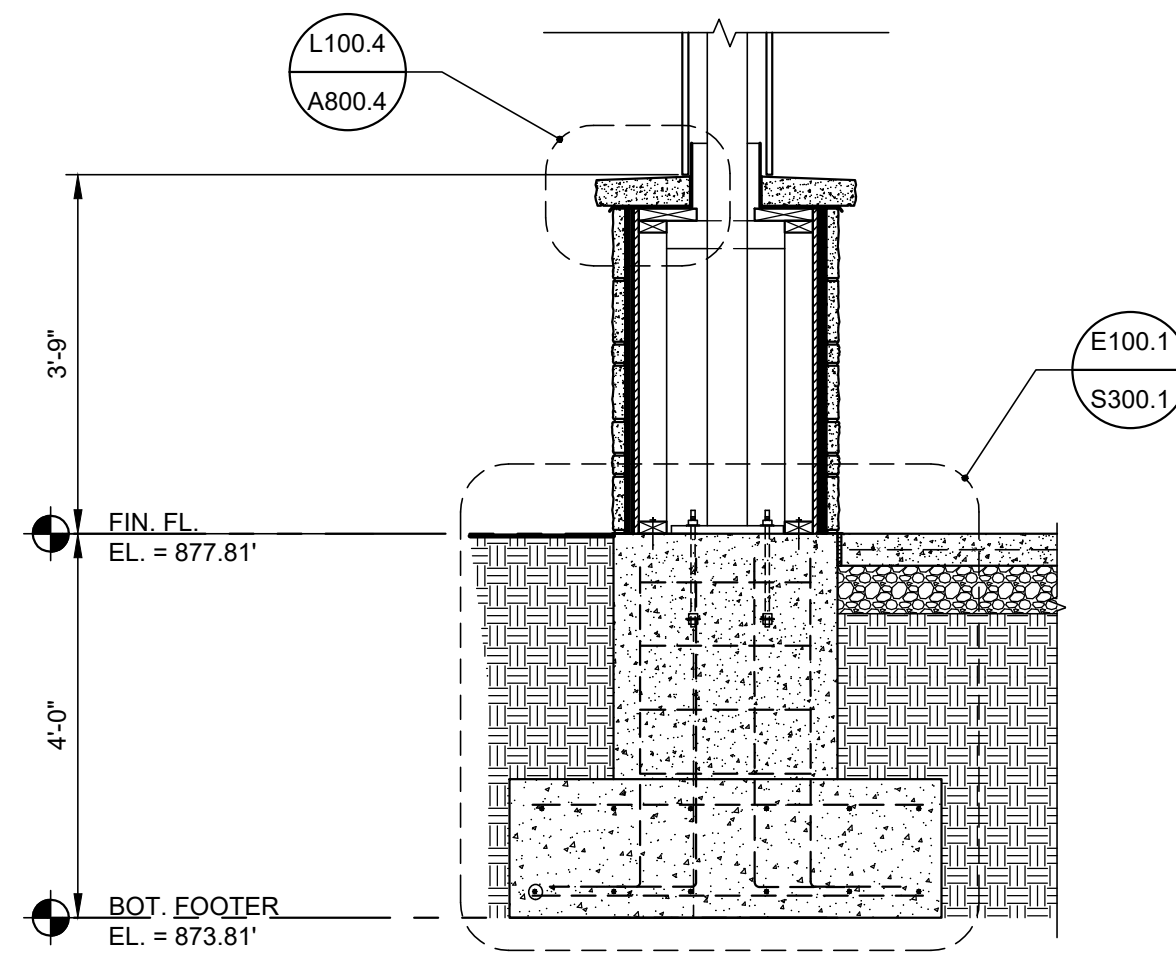
H800.4 BUTT JOINT SIDING DETAILS
A800.4 SCALE: 3"=1'-0"



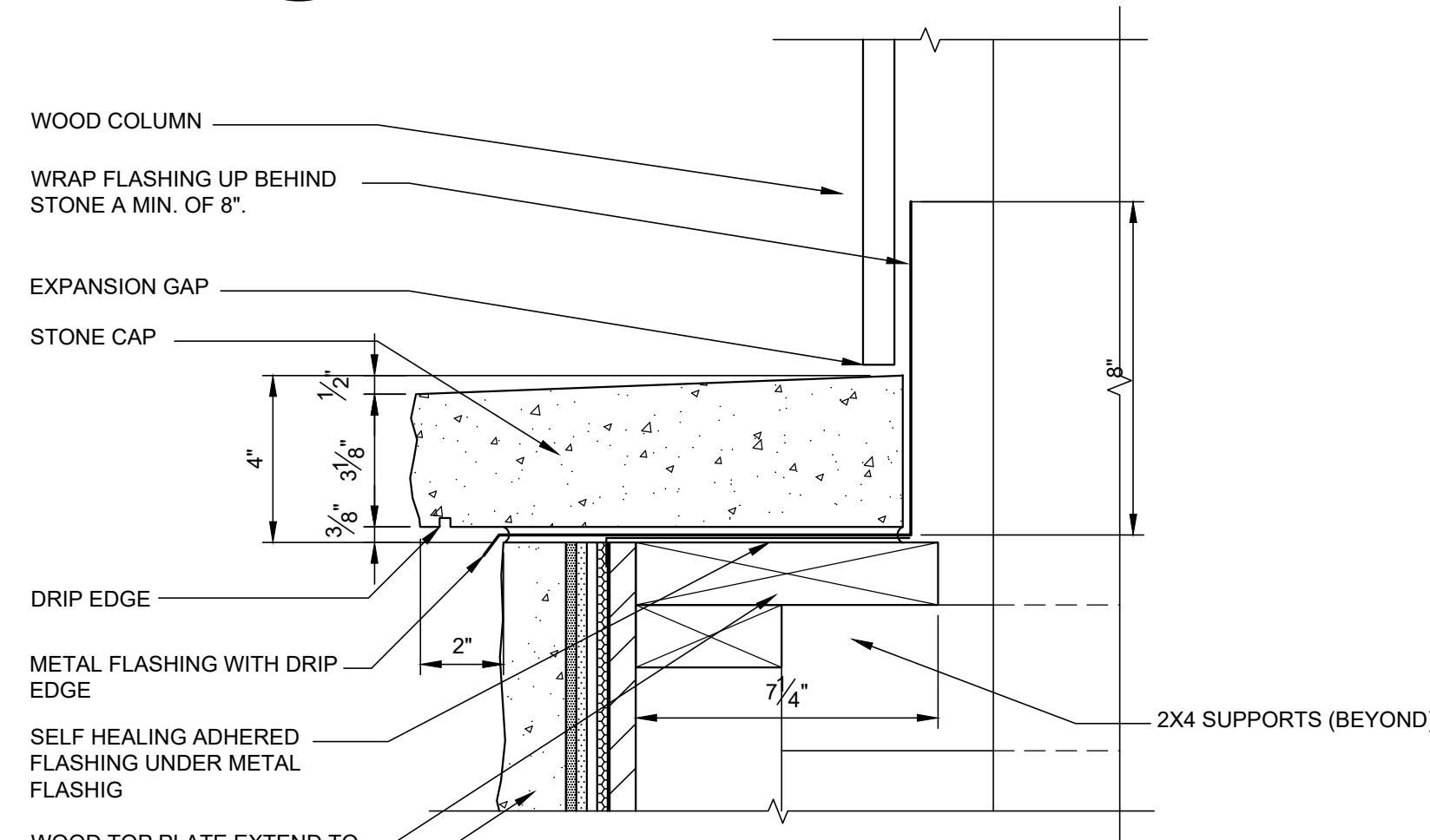
G800.4 VERTICAL JOINT SIDING DETAILS
A800.4 SCALE: 3"=1'-0"



H800.4 RAILING DETAIL
A800.4 SCALE: 1 1/2"=1'-0"



K100.2 COLUMN DETAIL
A800.4 SCALE: 1/2"=1'-0"



L100.4 COLUMN DETAIL
A800.4 SCALE: 1/2"=1'-0"



GLSM PARK OFFICE
FOR
OHIO DEPARTMENT OF NATURAL
RESOURCES DNR-250013
AUGLAZE COUNTY, OHIO

BUEHRERGROUP
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REVISION SCHEDULE

ISSUE DATE: 09/19/2025

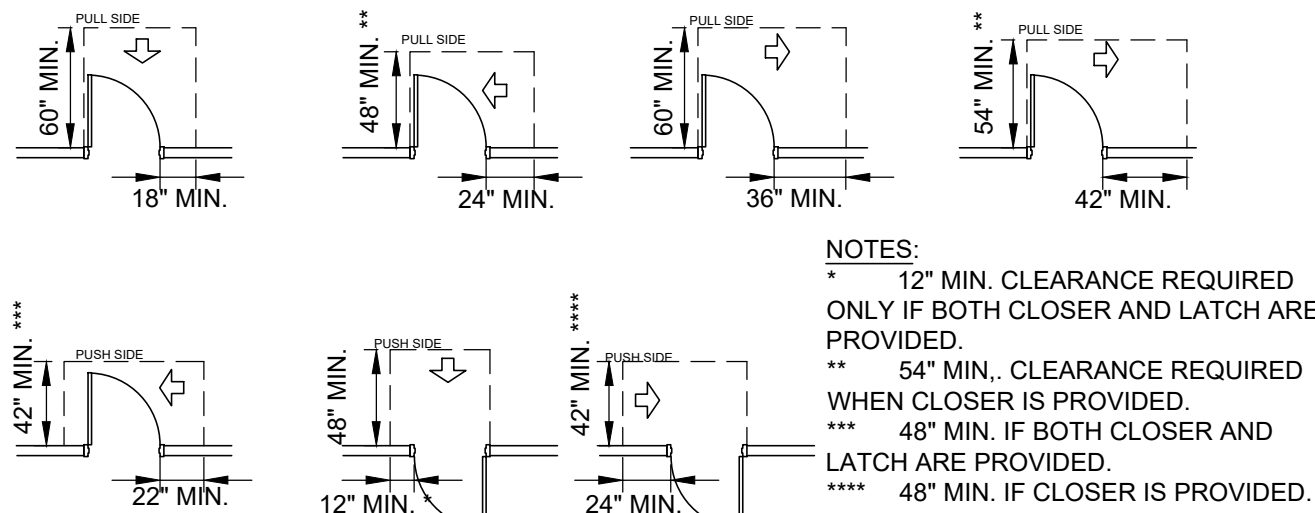
JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

A800.4

DOOR NOTES

1. PROVIDE TACTILE SIGN STATING EXIT AND COMPLYING WITH ICC A 117.1 FOR ALL EGRESS DOORS. SIGNS SHALL HAVE RAISED SYMBOLS AND BRAILLED CHARACTERS. RAISED LETTERS SHALL BE ONE MONOLITHIC PIECE WITH THE SIGN. LETTERS SHALL BE RAISED 1/32". SIGNS SHALL BE PLACED AT THE LATCH SIDE OF THE DOOR AND SHALL BE MOUNTED @ 60" ABOVE FINISH FLOOR
2. COORDINATE ALL KEYING OF DOOR LOCKS WITH OWNER. VERIFY DOOR HARDWARE SPECIFICATIONS INCLUDING BUT NOT LIMITED TO COLOR, STYLE, ETC. W/ OWNER
3. ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM SIDE OF EGRESS AND COMPLY W/ OBC 1008.1.9, ICC A117.1-2009 404.2.6 AND A117.1-2009 404.2.8. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING PARTS ON DOORS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP AND DOES NOT REQUIRED TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FINISHED FLOOR. ALL FIRE DOORS SHALL HAVE A MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE FORCE FOR PUSHING OR PULLING A DOOR OTHER THAN FIRE DOORS TO BE 5 POUNDS MAX FOR INTERIOR HINGED DOOR, SLIDING OR FOLDING DOORS.
4. FOAM INSULATE ALL VOIDS AROUND DOORS THAT CAN NOT BE INSULATED WITH BATT.
5. INSTALL ALL FLASHING PER THE DOOR AND SIDING MANUFACTURERS RECOMMENDATIONS.
6. ALL EXTERIOR GLASS TO BE 1" INSULATING GLASS, LOW-E, 1/4" TEMPERED TINTED AND 1/4" TEMPERED.
7. ALL INTERIOR GLASS, ALL GLASS IN DOORS AND IN DOOR FRAMES, AND ANY GLASS IN HAZARDOUS LOCATIONS AS DEFINED IN MBC SECTION 2404.01 TO BE 1/4" TEMPERED GLASS AND COMPLY WITH MBC SECTION 2406.1 THROUGH 2406.1.4. HAZARDOUS LOCATIONS INCLUDE BUT ARE NOT LIMITED TO, GLAZING IN AND ADJACENT TO DOORS, GLAZING IN WINDOWS WHERE AN INDIVIDUAL PANE IS GREATER THAN 9 SF, AND OR THE BOTTOM EDGE OF THE GLAZING IS 18 INCHES ABOVE THE FLOOR, AND OR THE TOP EDGE OF THE GLAZING IS GREATER THAN 36 INCHES ABOVE THE FLOOR, AND OR ONE OR MORE WALKING SURFACES ARE WITHIN 36 INCHES MEASURED HORIZONTALLY AND IN A STRAIGHT LINE OF THE PLANE OF GLAZING.
8. FIELD VERIFY ALL EXISTING AND NEW WALL THICKNESSES PRIOR TO ORDERING DOORS AND FRAMES.

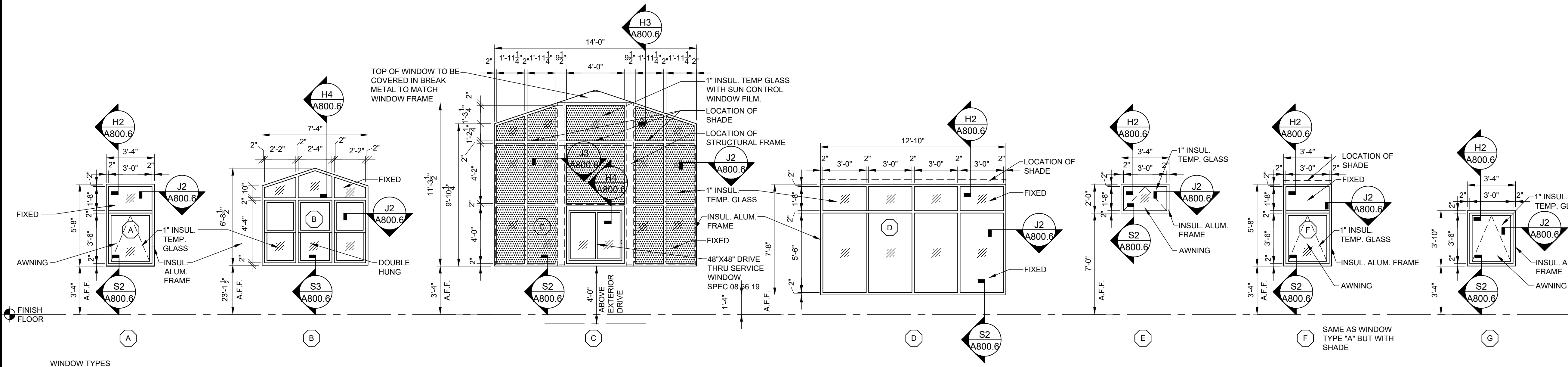
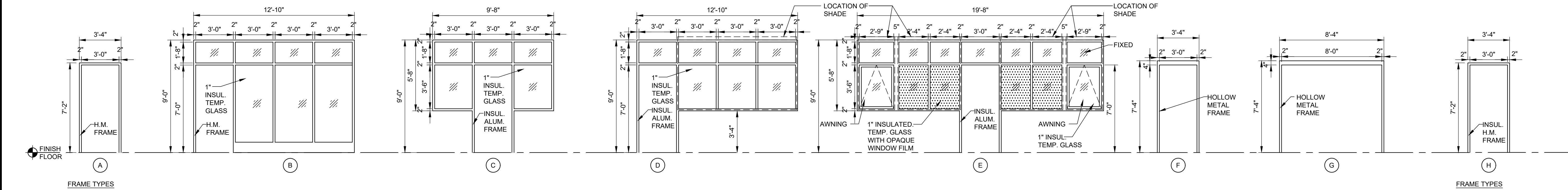
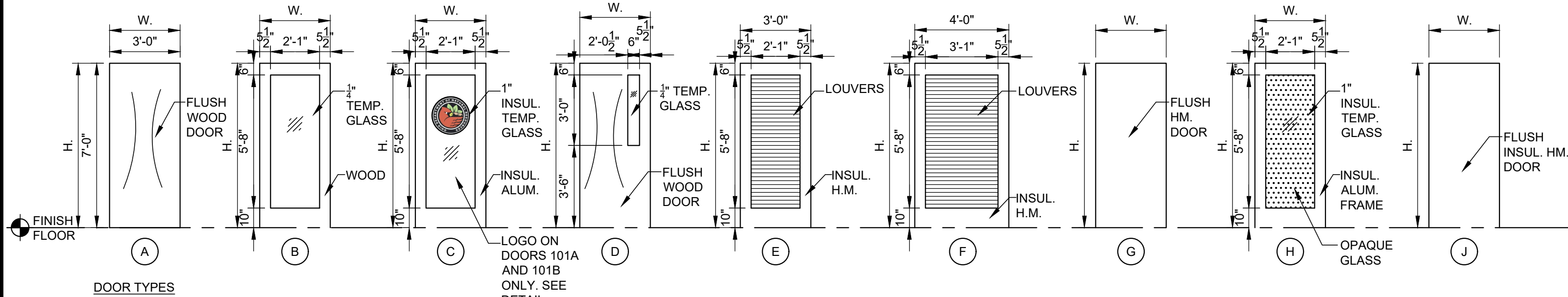


TYPICAL DOOR APPROACH DETAILS

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

DOOR SCHEDULE

OPENING No.	DOOR							FRAME				DETAILS			OPENING		HARDWARE			WALL THICKNESS	REMARKS
	SIZE			TYPE	LOUVER		MATERIAL/ FINISH	SIZE		TYPE	MATERIAL/ FINISH	HEAD	JAMB	SILL	U.L LABEL	HAND	SET No.	KEYSIDE RM. No.	FUNCTION		
	W	H	T		W	H		W	H												
101A	3'-0"	7'-0"	1 3/4"	C	-	-	INSUL. ALUM.	9'-8"	9'-0"	C	INSUL. ALUM.	H2	J2	S1	-	RHR	1	OUTSIDE	KEYPAD	7"	DOOR ACCESS (BATTERY KEY CODE)
101B	3'-0"	7'-0"	1 3/4"	C	-	-	INSUL. ALUM.	9'-8"	9'-0"	C	INSUL. ALUM.	H2	J2	S1	-	LHR	1	OUTSIDE	KEYPAD	7"	DOOR ACCESS (BATTERY KEY CODE)
101C	3'-0"	7'-0"	1 3/4"	J	-	-	INSUL. H.M.	3'-4"	7'-2"	H	INSUL. H.M.	H2 SIM.	J2 SIM.	S1	-	LHR	2	RM. 101	CLASSROOM	7"	:
101D	3'-0"	3'-6"	-	-	-	-	WOOD	-	-	-	-	-	-	-	-	-	3	-	-	-	BY CASEWORK CONTRACTOR
102A	(2) 4'-0"	7'-0"	1 3/4"	F	37"	68"	H.M.	8'-4"	7'-4"	G	H.M.	H2 SIM.	J2 SIM.	-	-	RHR/LHR	4	OUTSIDE	STOREROOM	5"	LOUVERED DOOR
102B	3'-0"	7'-0"	1 3/4"	E	37"	68"	H.M.	3'-4"	7'-4"	F	H.M.	H2 SIM.	J2 SIM.	-	-	RHR	2	OUTSIDE	CLASSROOM	5"	LOUVERED DOOR
103A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RHR	5	RM. 101	CLASSROOM	5"	:
103B	3'-0"	7'-0"	1 3/4"	D	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	LHR	6	CORR. 114	CLASSROOM	5"	:
104A	3'-0"	7'-0"	1 3/4"	C	-	-	INSUL. ALUM.	12'-10"	9'-0"	D	INSUL. ALUM.	H2	J2	S1	-	LHR	1	OUTSIDE	KEYPAD	7"	DOOR ACCESS (BATTERY KEY CODE)
104B	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	12'-10"	9'-0"	B	H.M.	H1	J1	-	-	LHR	5	RM. 101	CLASSROOM	5"	:
104C	3'-0"	3'-6"	-	-	-	-	WOOD	-	-	-	-	-	-	-	-	-	3	-	-	-	BY CASEWORK CONTRACTOR
105A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RHR	5	RM. 103	CLASSROOM	7"	:
106A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	7	RM. 101	PRIVACY	7"	:
108A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	LH	7	RM. 104	PRIVACY	7"	:
109A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	7	CORR. 114	PRIVACY	7"	:
110A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	5	CORR. 114	CLASSROOM	5"	:
111A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	LH	5	CORR. 114	CLASSROOM	5"	:
112A	(2) 4'-0"	7'-0"	1 3/4"	F	37"	68"	H.M.	8'-4"	7'-4"	G	H.M.	H2 SIM.	J2 SIM.	-	-	RHR/LHR	4	OUTSIDE	STOREROOM	5"	LOUVERED DOOR
113A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	LH	5	CORR. 114	CLASSROOM	5"	:
116A	3'-0"	7'-0"	1 3/4"	H	-	-	INSUL. ALUM.	19'-8"	9'-0"	E	INSUL. ALUM.	H2	J2	S1	-	RHR	1	OUTSIDE	KEYPAD	7"	DOOR ACCESS (BATTERY KEY CODE)
116B	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	8	CORR. 114	KEYPAD	7"	DOOR ACCESS (BATTERY KEY CODE)
117A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	5	CORR. 114	CLASSROOM	5"	:
118A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	5	CORR. 114	CLASSROOM	5"	:
119A	3'-0"	7'-0"	1 3/4"	A	-	-	WOOD	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	LH	5	CORR. 114	CLASSROOM	5"	:
200A	3'-0"	7'-0"	1 3/4"	G	-	-	H.M.	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	9	STAIR 115	STOREROOM	5"	:
201A	3'-0"	7'-0"	1 3/4"	G	-	-	H.M.	3'-4"	7'-2"	A	H.M.	H1	J1	-	-	RH	5	STAIR 115	STOREROOM	5"	:

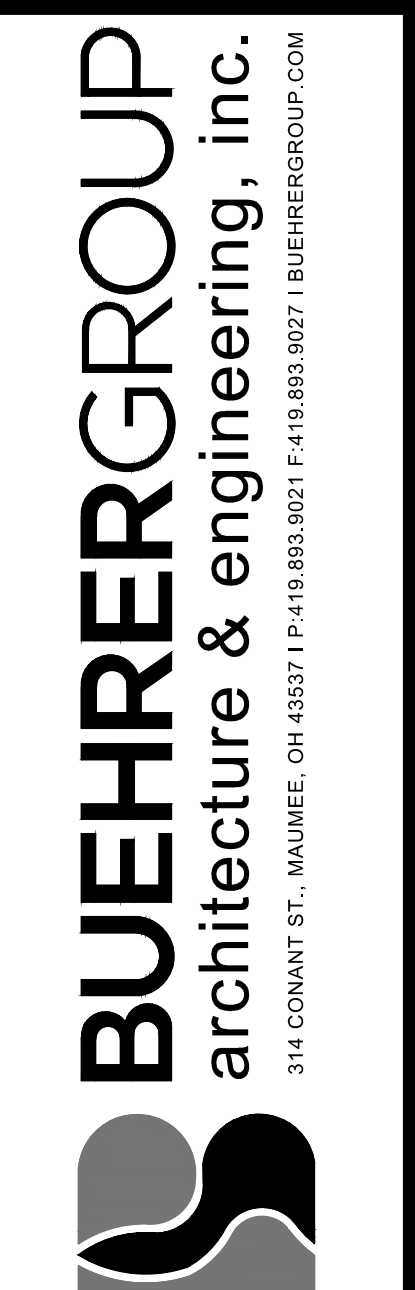


WINDOW NOTES

1. PROVIDE INTERMETALIC SEPARATION WHERE REQ'D
2. SPRAY FOAM INSULATE ALL EXTERIOR WINDOW FRAMES TYP.
3. ALL INTERIOR GLASS, ALL GLASS IN DOORS AND IN DOOR FRAMES, AND ANY GLASS IN HAZARDOUS LOCATIONS AS DEFINED IN OBC SECTION 2404.01 TO BE 1/4" TEMPERED GLASS AND COMPLY WITH OBC SECTION 2406.1 THROUGH 2406.1.4. HAZARDOUS LOCATIONS INCLUDE BUT ARE NOT LIMITED TO, GLAZING IN AND ADJACENT TO DOORS, GLAZING IN WINDOWS WHERE AN INDIVIDUAL PANE IS GREATER THAN 9 SF, AND OR THE BOTTOM EDGE OF THE GLAZING IS 18 INCHES ABOVE THE FLOOR, AND OR THE TOP EDGE OF THE GLAZING IS GREATER THAN 36 INCHES ABOVE THE FLOOR, AND OR ONE OR MORE WALKING SURFACES ARE WITHIN 36 INCHES MEASURED HORIZONTALLY AND IN A STRAIGHT LINE OF THE PLANE OF GLAZING.
4. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO WINDOW MANUFACTURING AND INSTALLATION. REPORT ANY UNSATISFACTORY CONDITIONS TO ARCHITECT. NOTE THAT THERE ARE VARIATIONS ON ACTUAL R.O. DIMENSIONS DUE TO EXISTING CONDITIONS.
5. WIDTH OF WINDOW JAMB TO COVER ANY GAPS. FIELD VERIFY REQUIRED JAMB WIDTH.

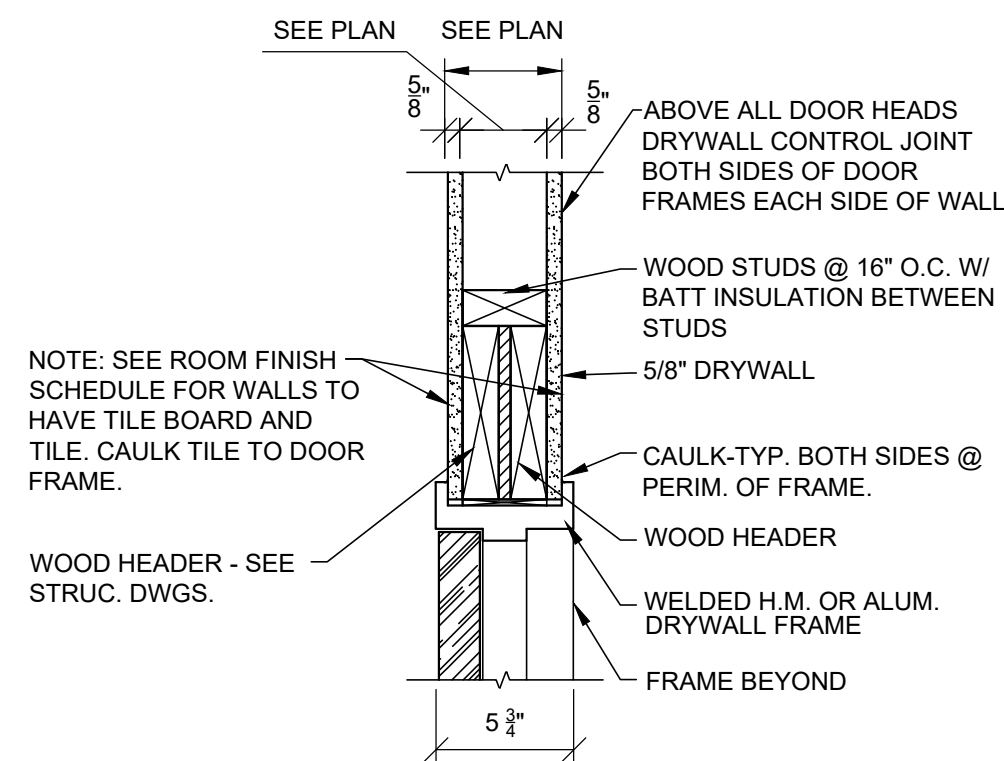


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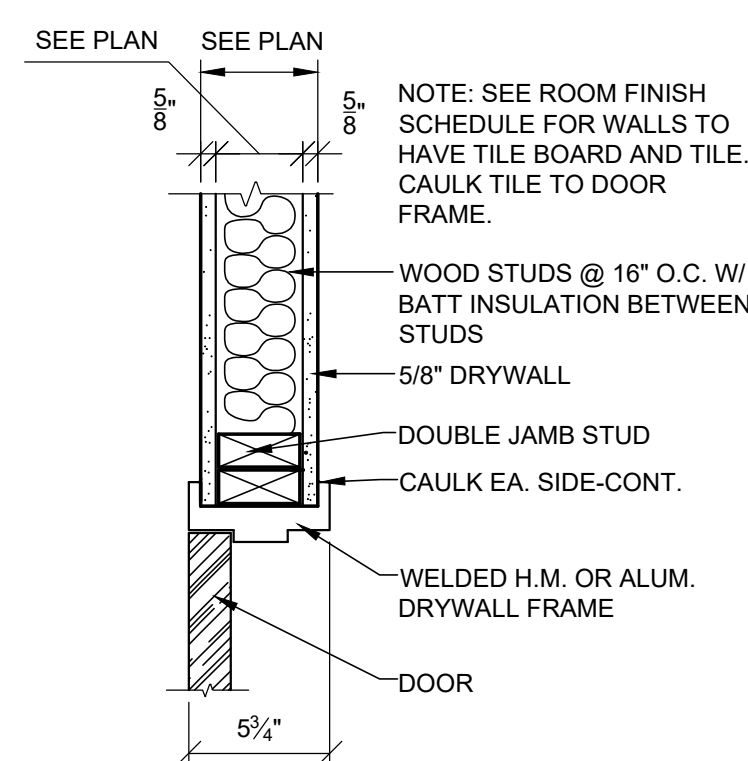


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ISSUE DATE:	09/19/2025
JOB NUMBER:	241224
CONSTRUCTION DOCUMENTS	

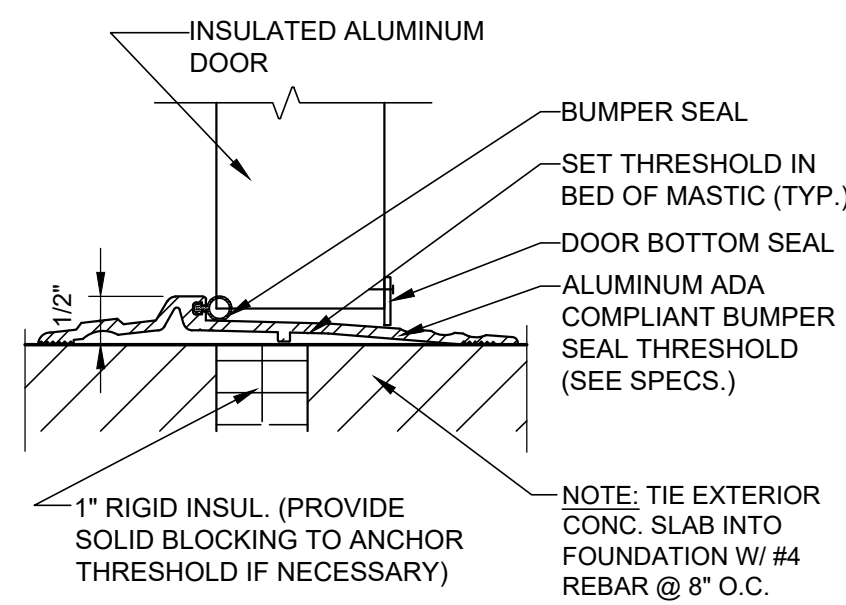
A800.5



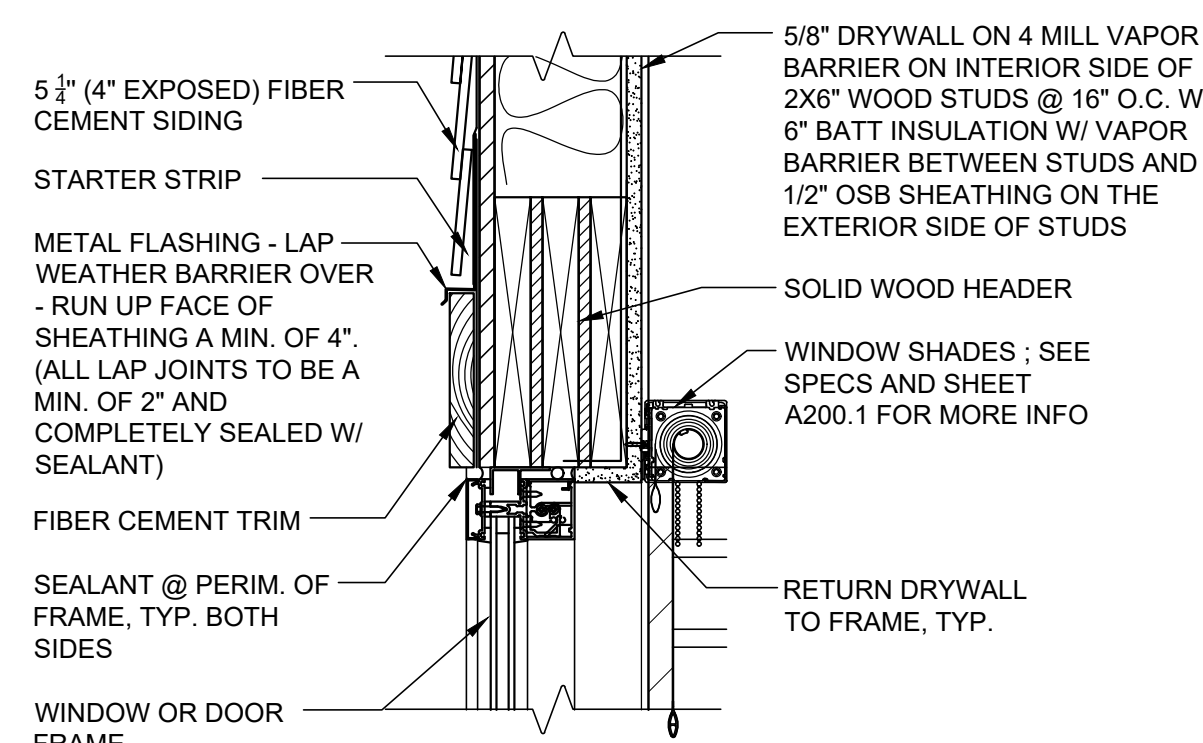
H1
A800.6
HEAD DETAIL
SCALE: 1 1/2"=1'-0"



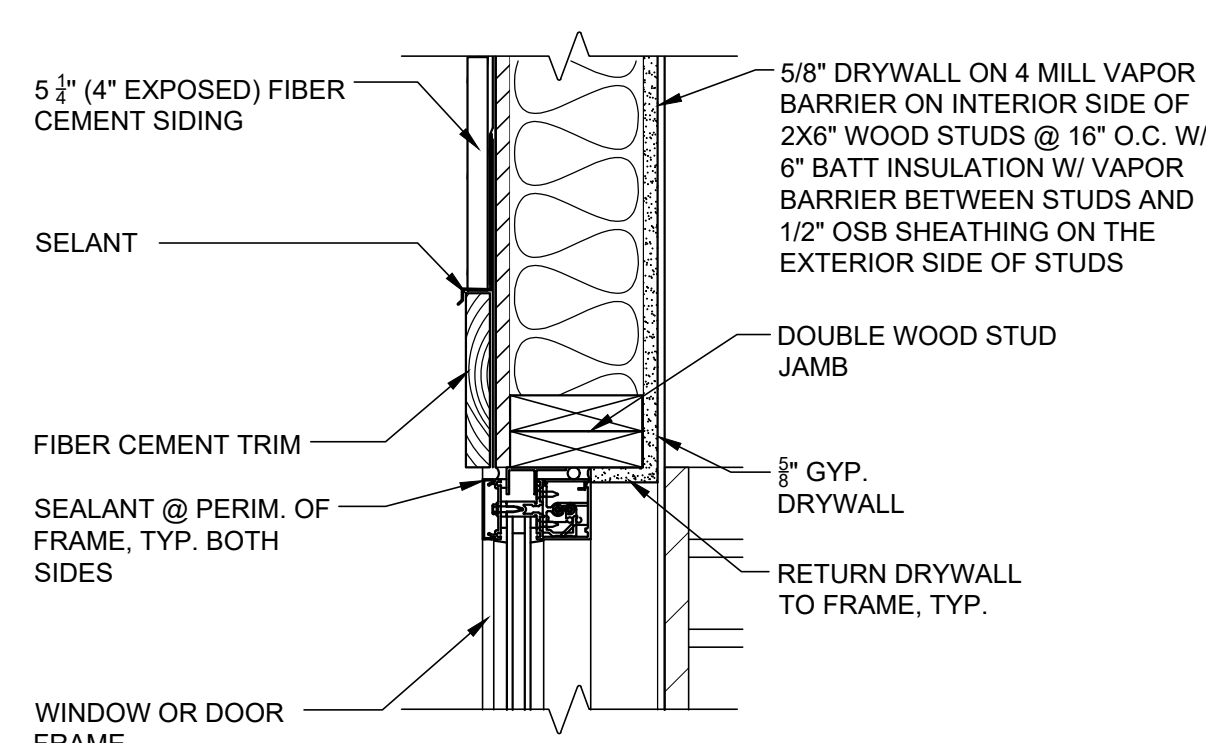
J1
A800.6
JAMB DETAIL
SCALE: 1 1/2"=1'-0"



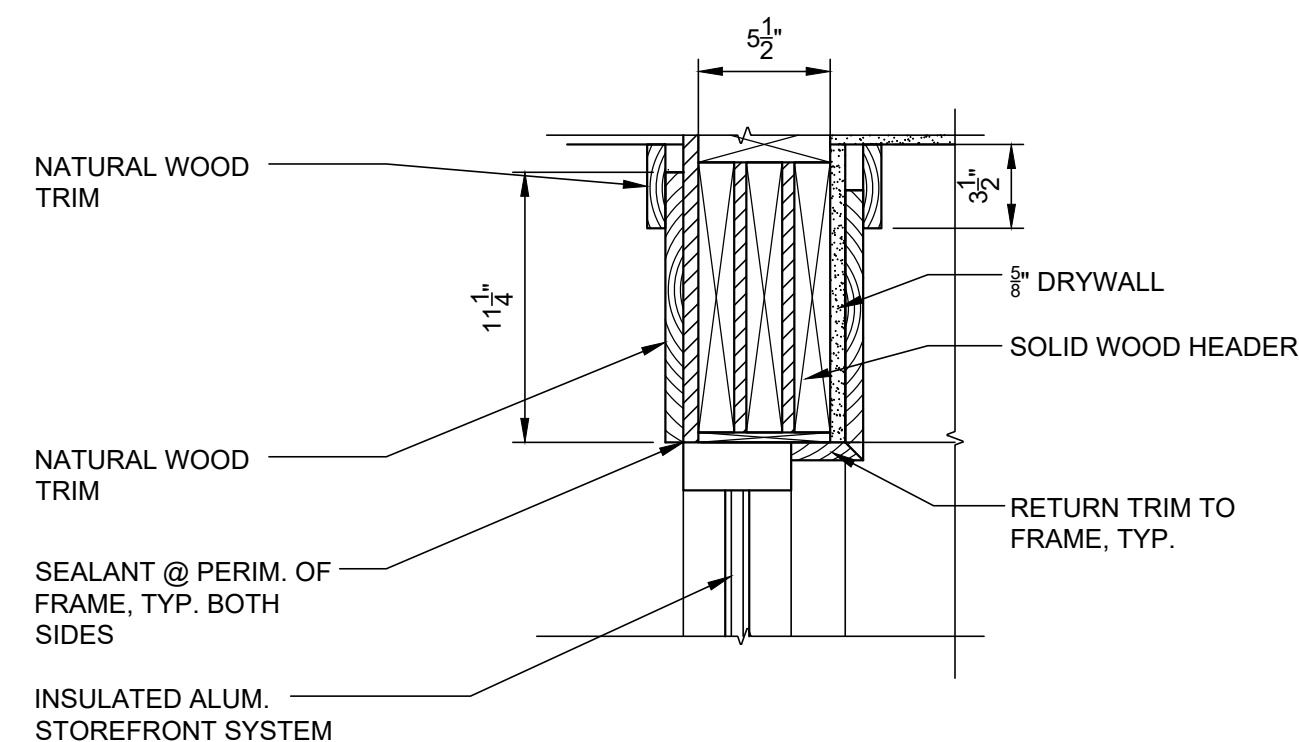
S1
A800.6
SILL DETAIL
SCALE: N.T.S.



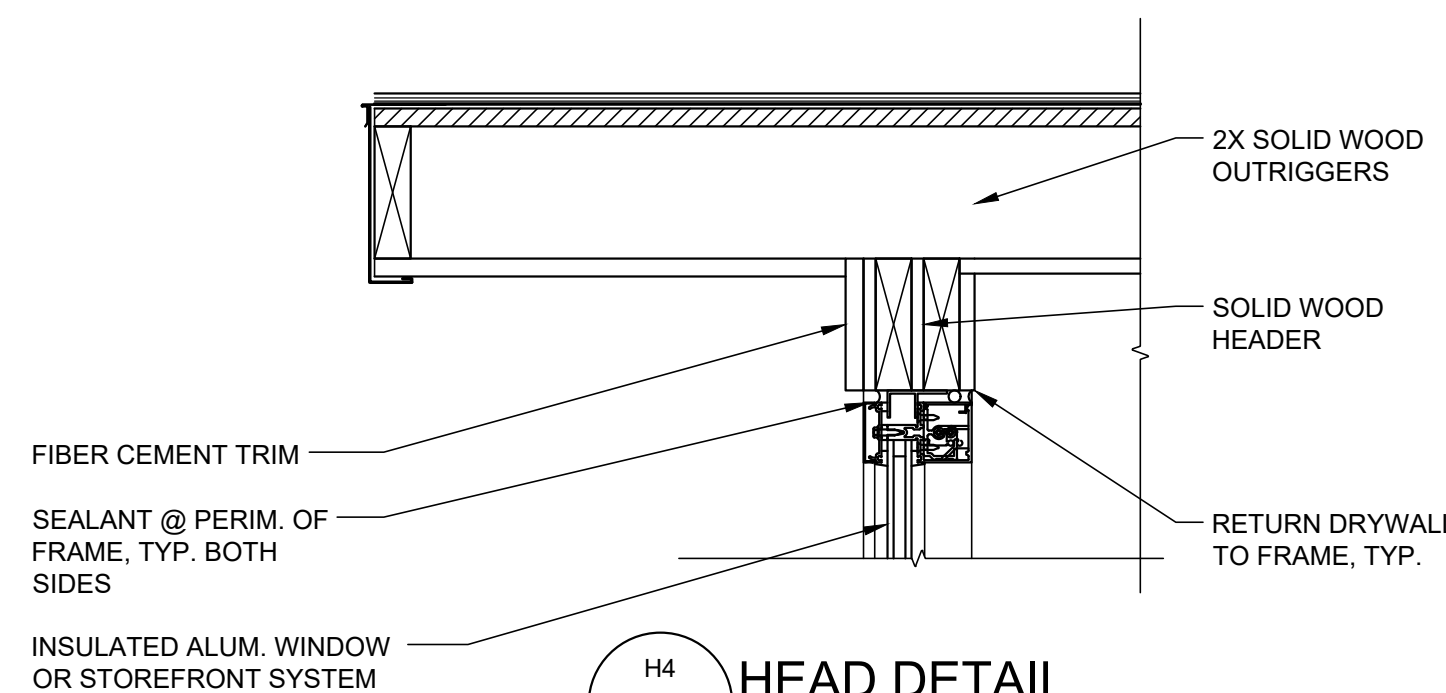
H2
A800.6
HEAD DETAIL
SCALE: 1 1/2"=1'-0"



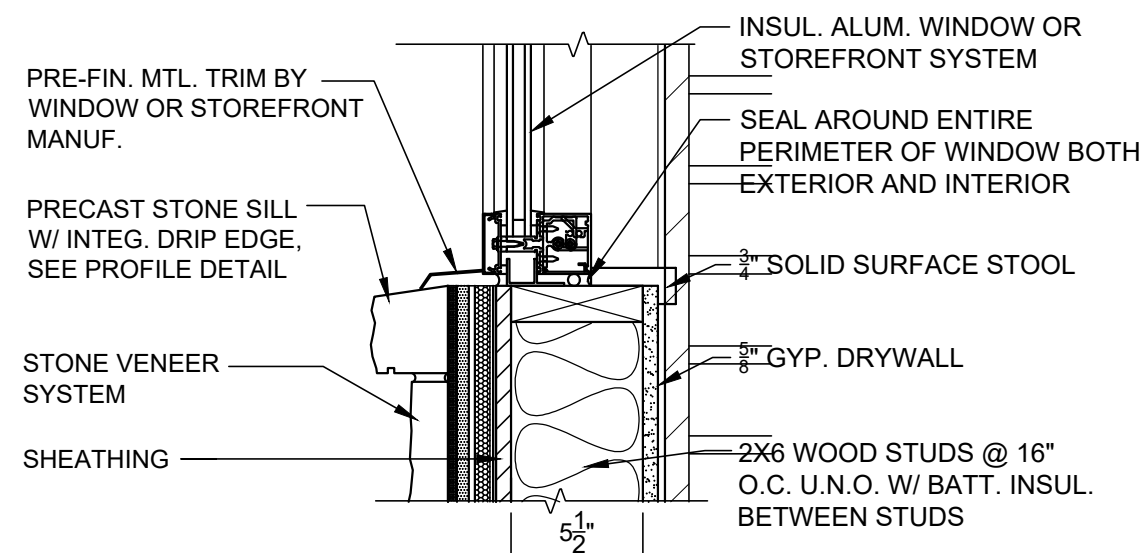
J2
A800.6
JAMB DETAIL
SCALE: 1 1/2"=1'-0"



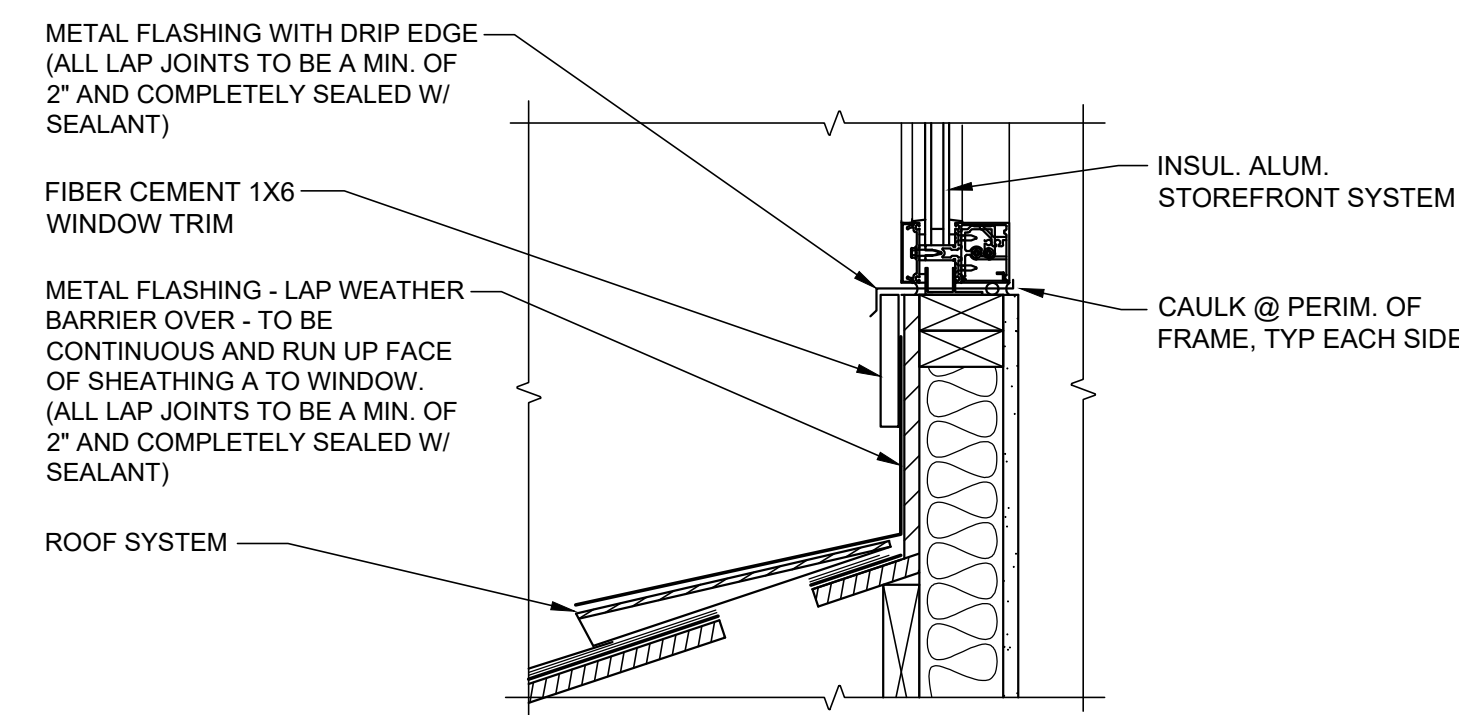
H3
A800.6
HEAD DETAIL
SCALE: 1 1/2"=1'-0"



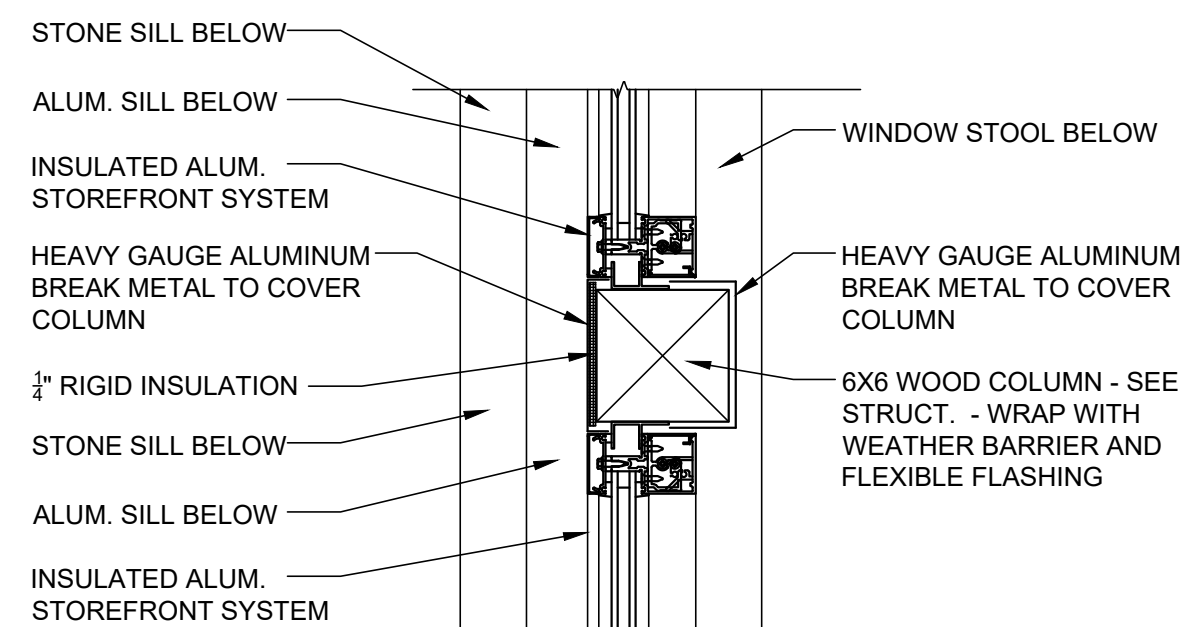
H4
A800.6
HEAD DETAIL
SCALE: 1 1/2"=1'-0"



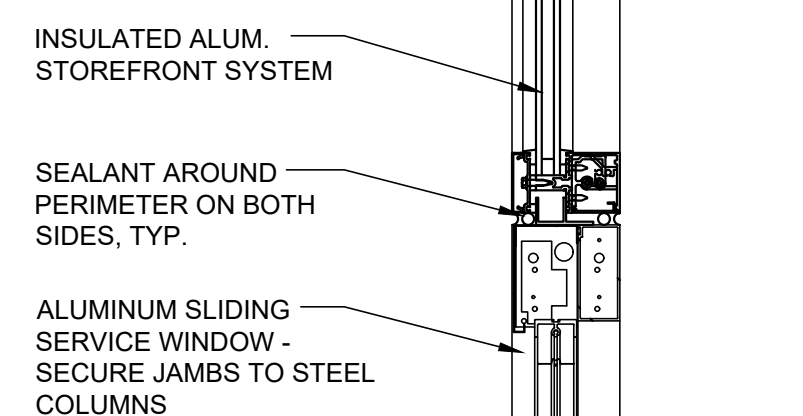
S2
A800.6
SILL DETAIL
SCALE: 1 1/2"=1'-0"



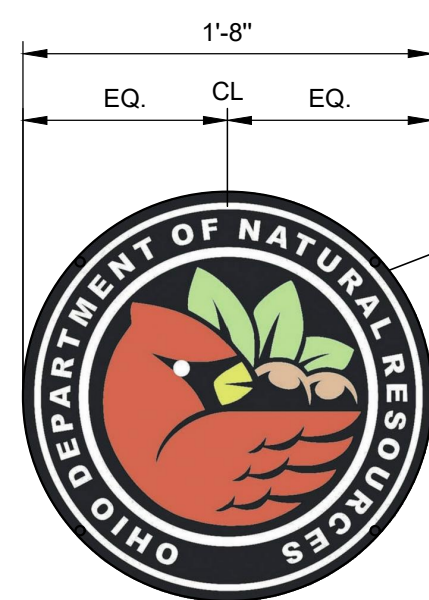
S3
A800.6
SILL DETAIL
SCALE: 1 1/2"=1'-0"



J3
A800.6
HEAD DETAIL
SCALE: 1 1/2"=1'-0"



H4
A800.6
HEAD DETAIL
SCALE: 1 1/2"=1'-0"



ODNR LOGO ETCHED
INTO GLASS AS FILM -
COORDINATE EXACT
LOGO TO BE USED
WITH OWNER. SEE
SPECIFICATION
SECTION 08 78 16.

A800.5
A800.6
LOGO DETAIL
SCALE: N.T.S.



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CONSTRUCTION DOCUMENTS

A800.6



A900.1
A900.1
IINTERIOR RENDERING CAMP STORE
SCALE: 1/4"=1'-0"



B900.1
A900.1
IINTERIOR RENDERING CAMP STORE
SCALE: 1/4"=1'-0"

NOTE: RENDERINGS ARE FOR
REFERENCE AND ARE TO CONVEY
DESIGN INTENT ONLY. DO NOT SCALE
OFF RENDERINGS. REFER TO DRAWINGS
FOR ALL CONSTRUCTION DETAILS

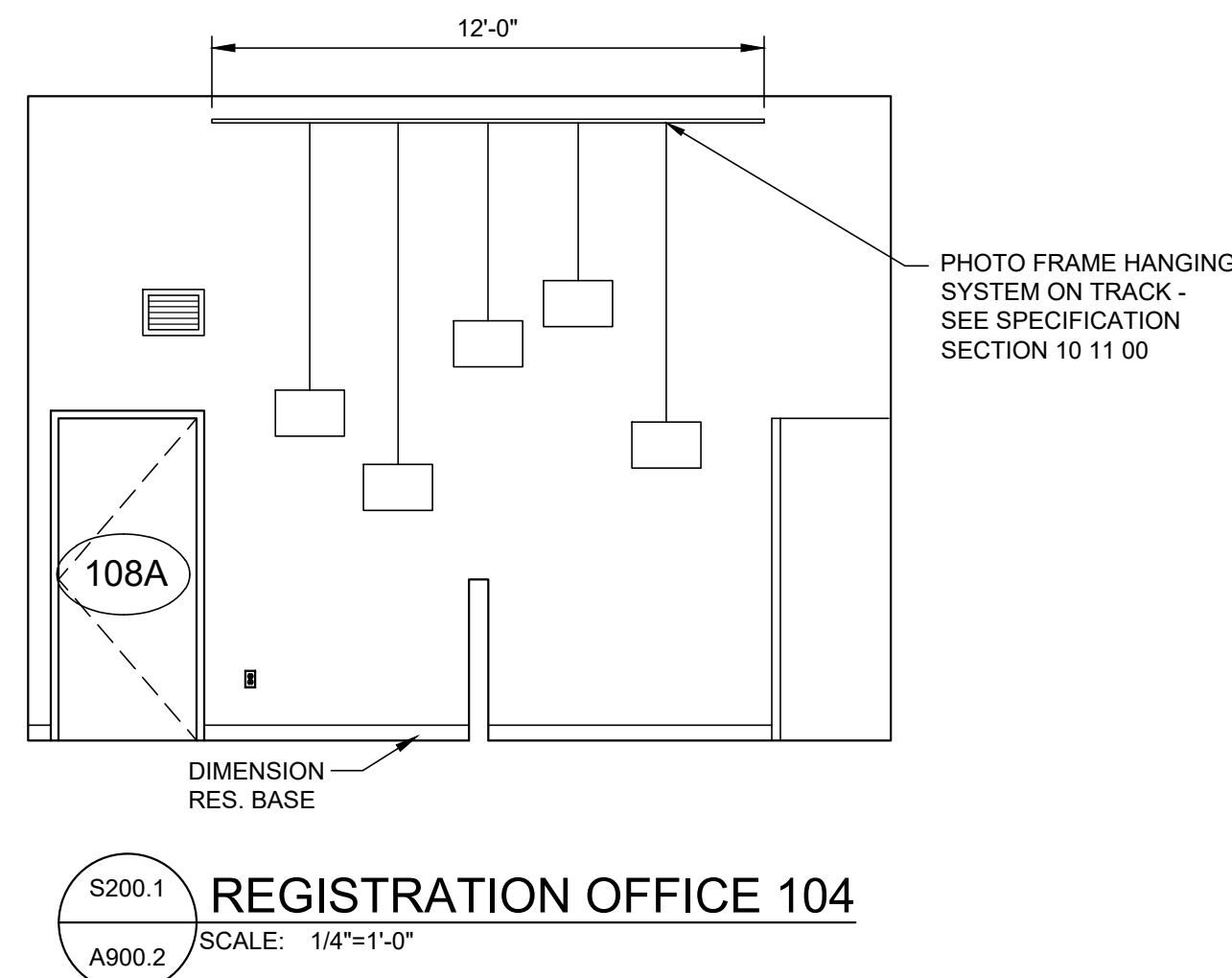
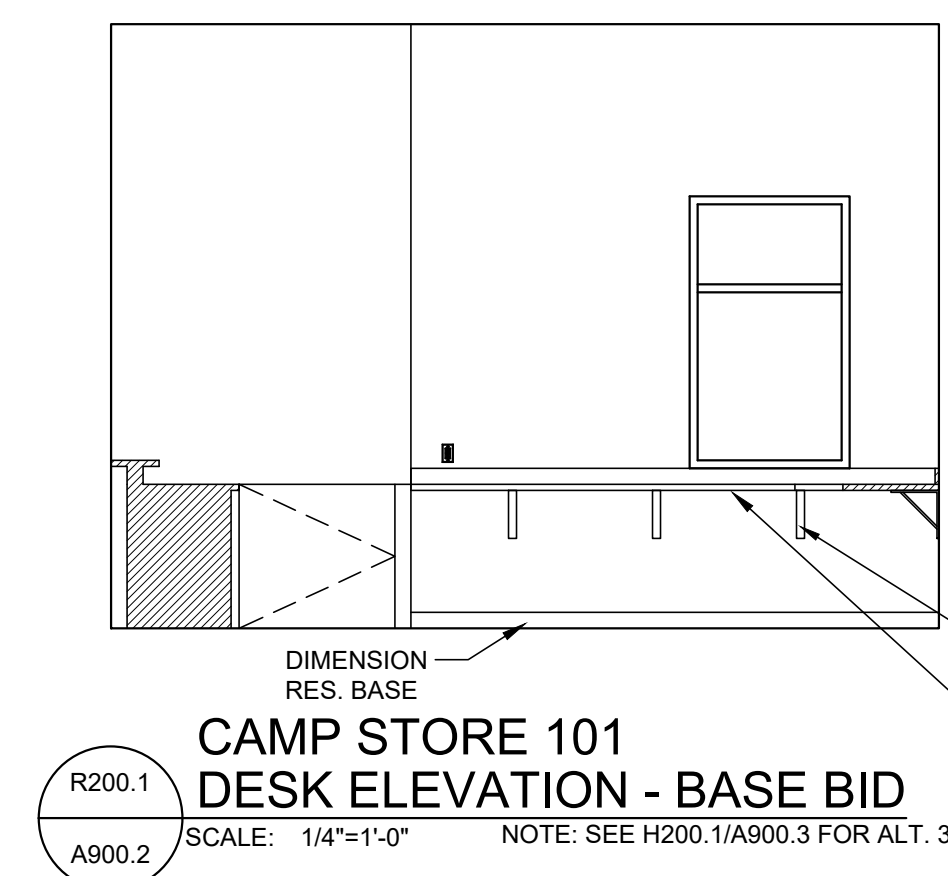
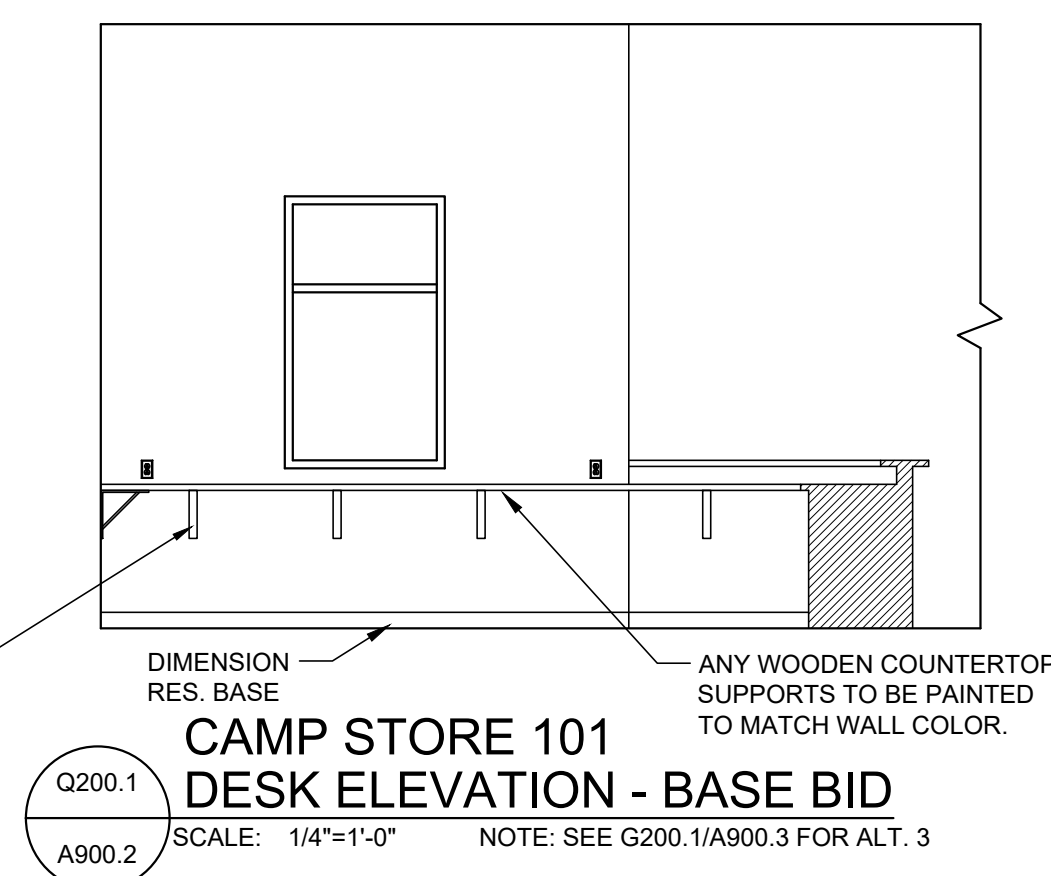
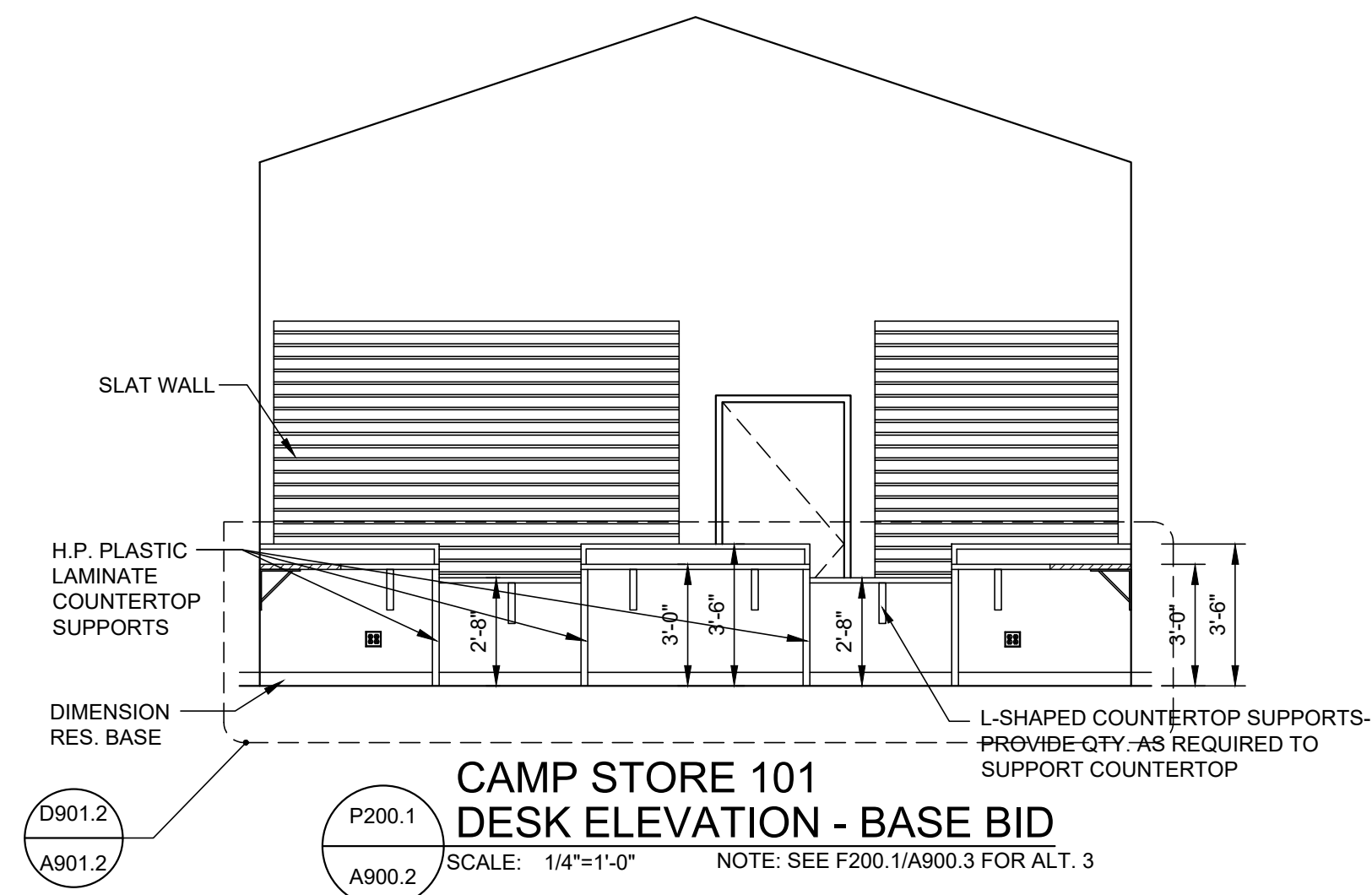
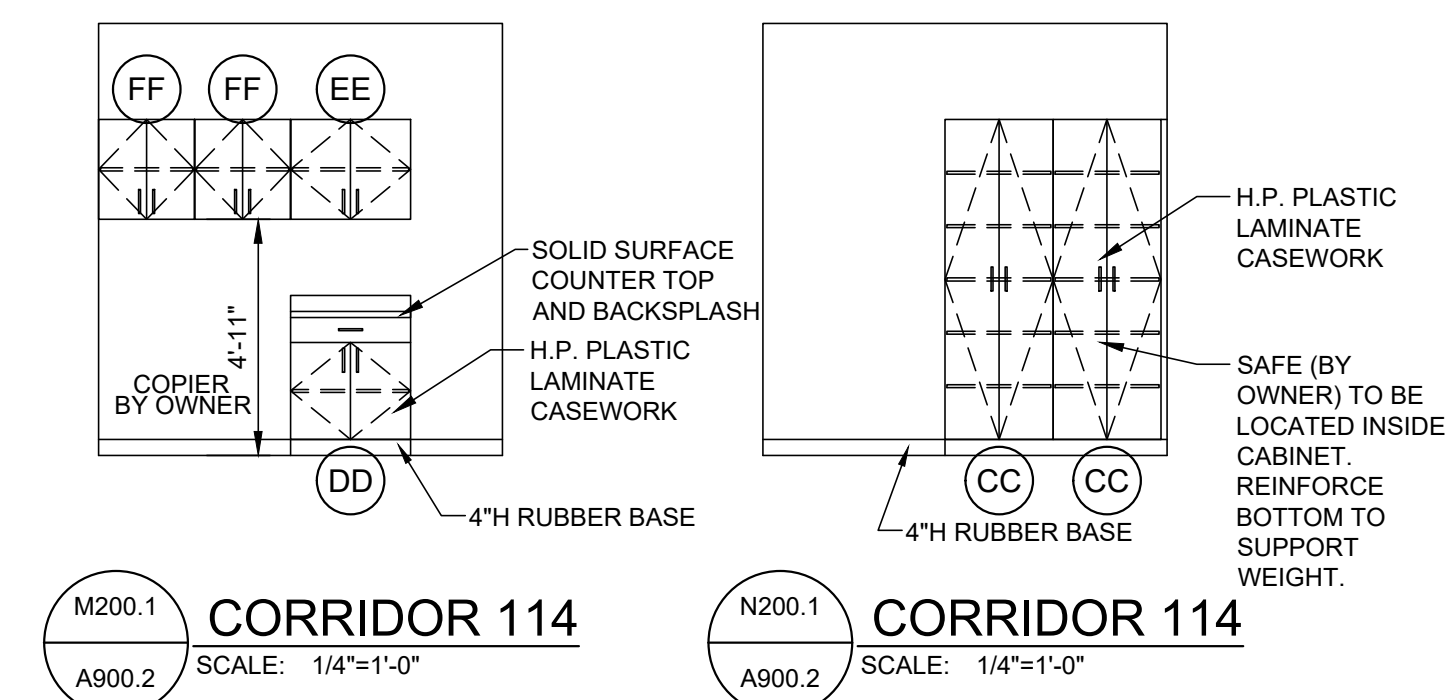
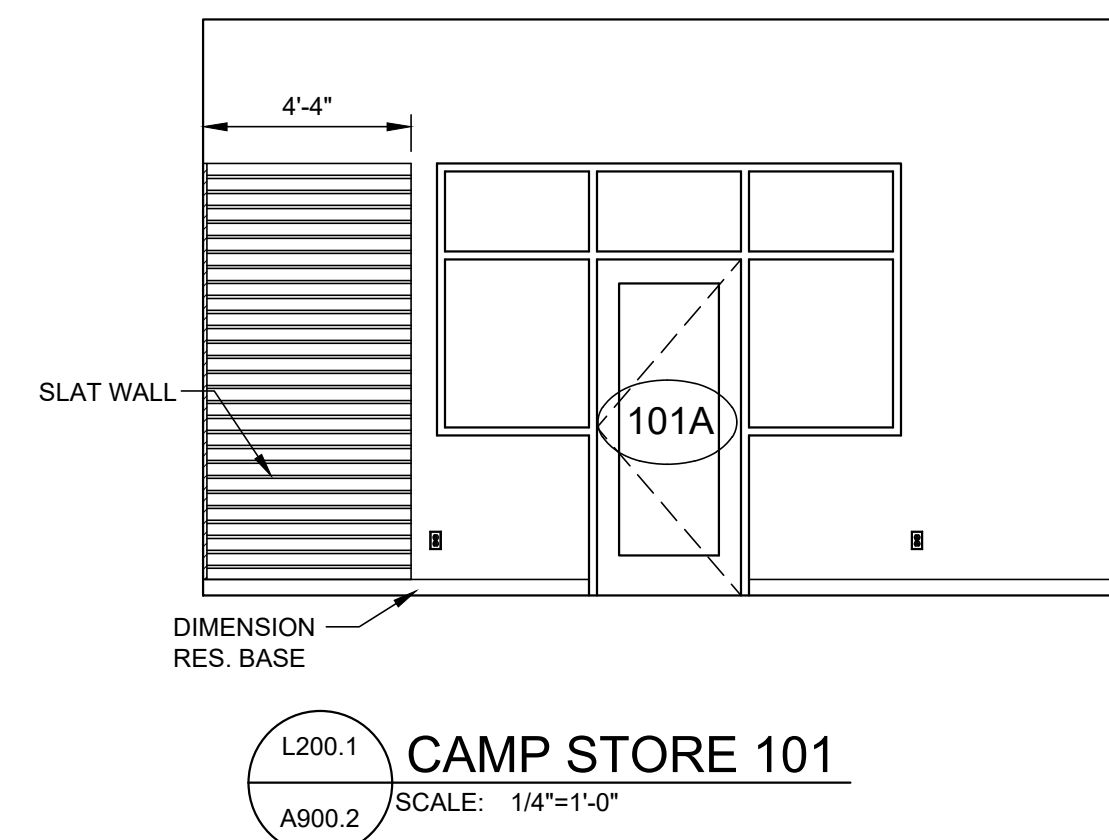
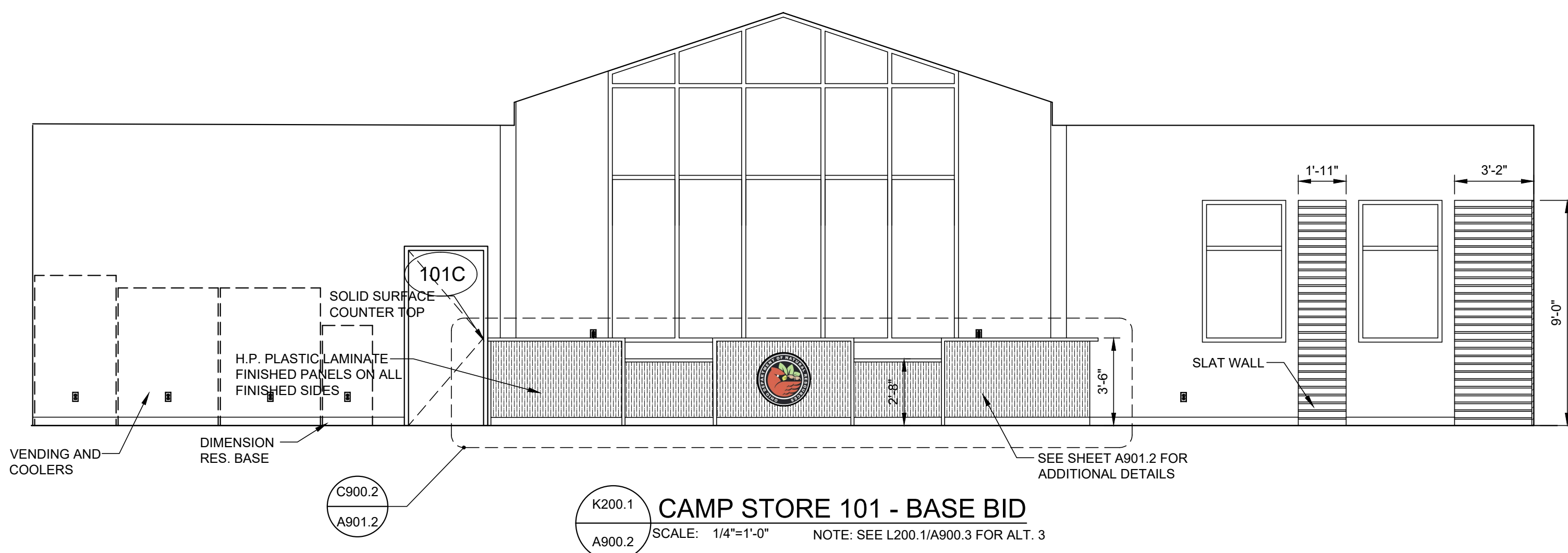
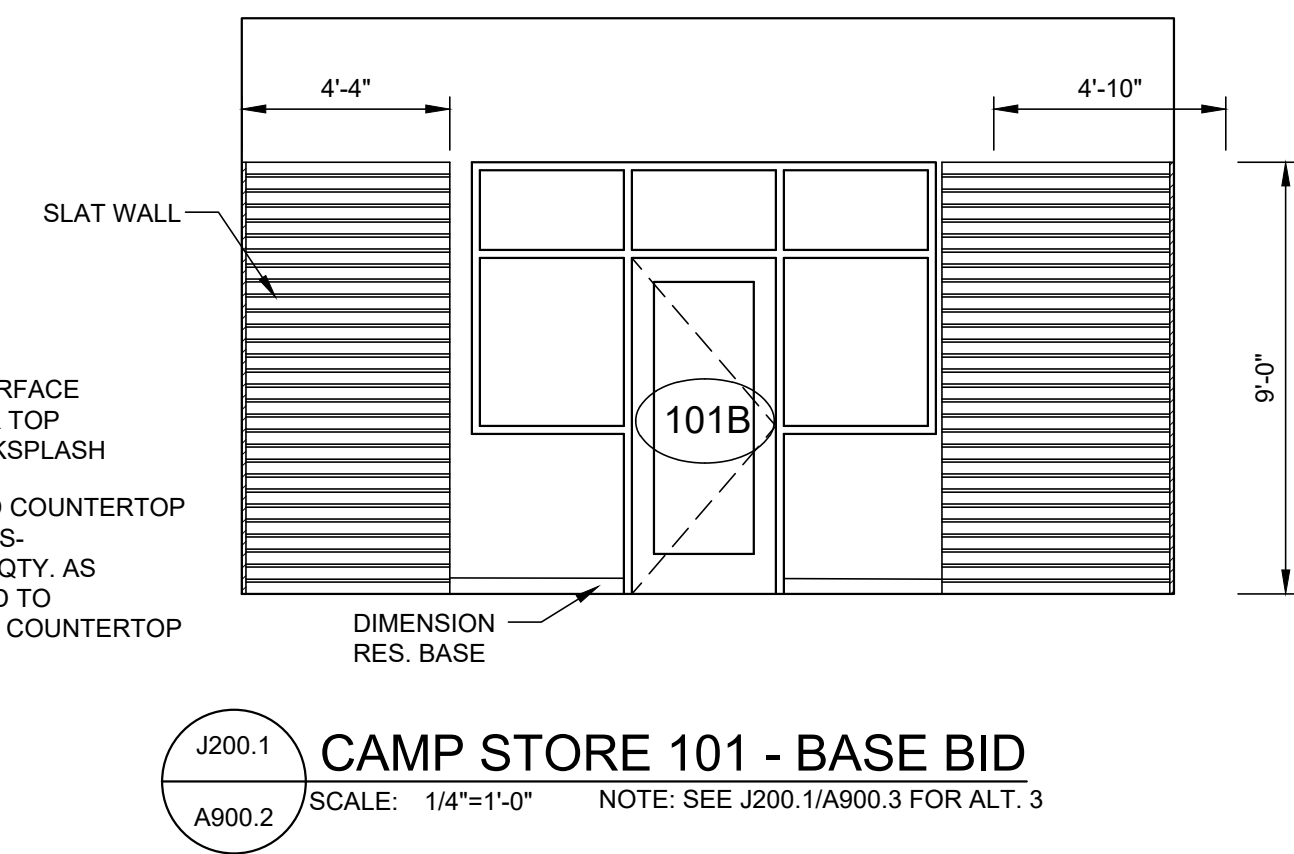
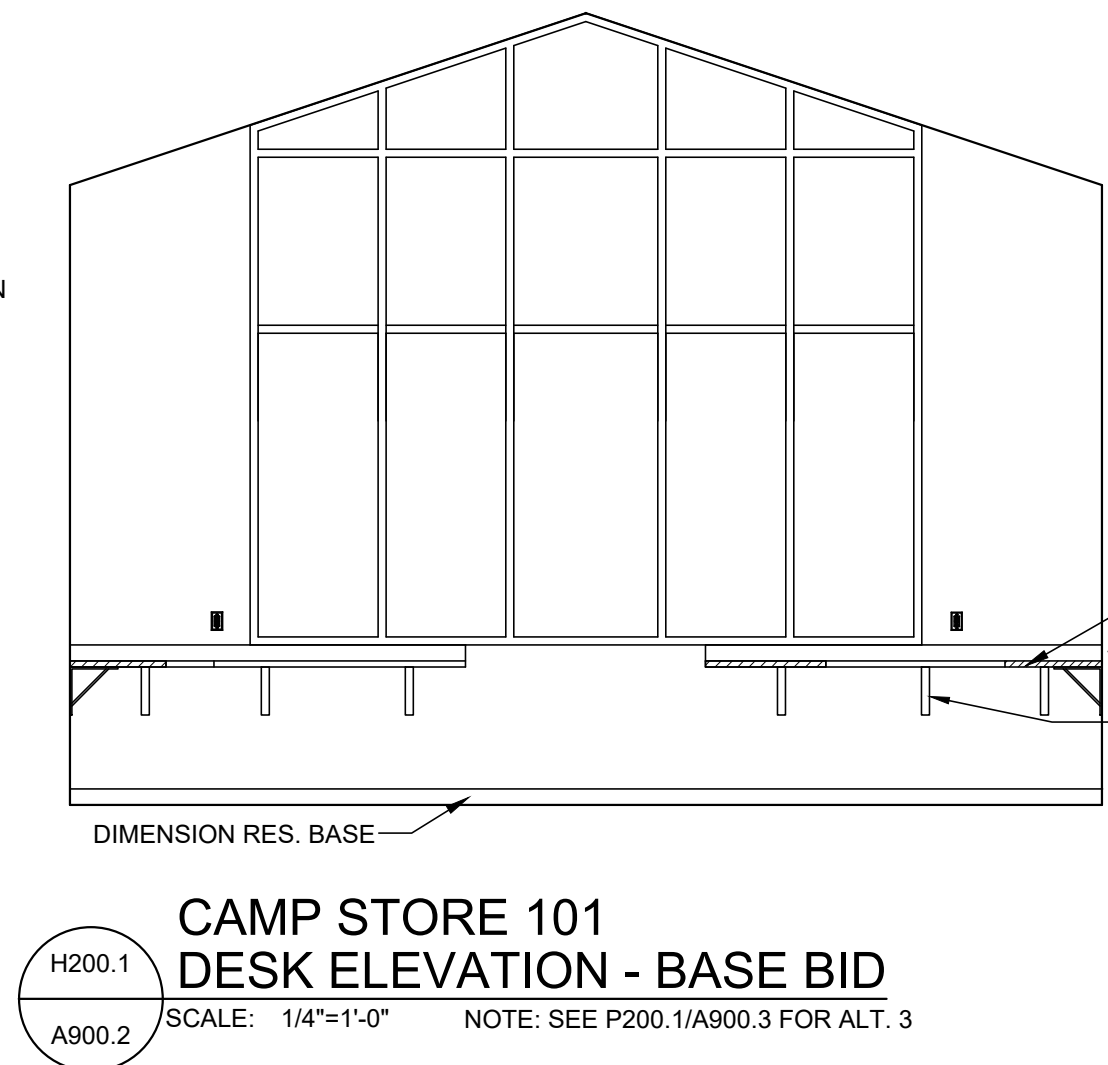
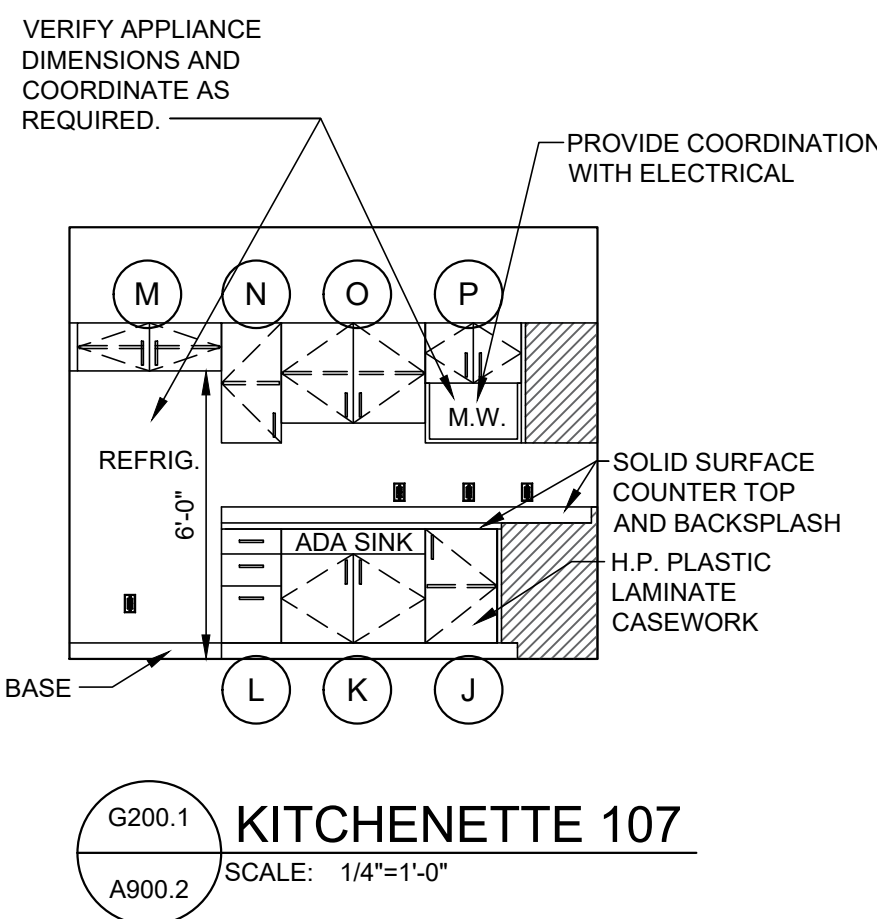
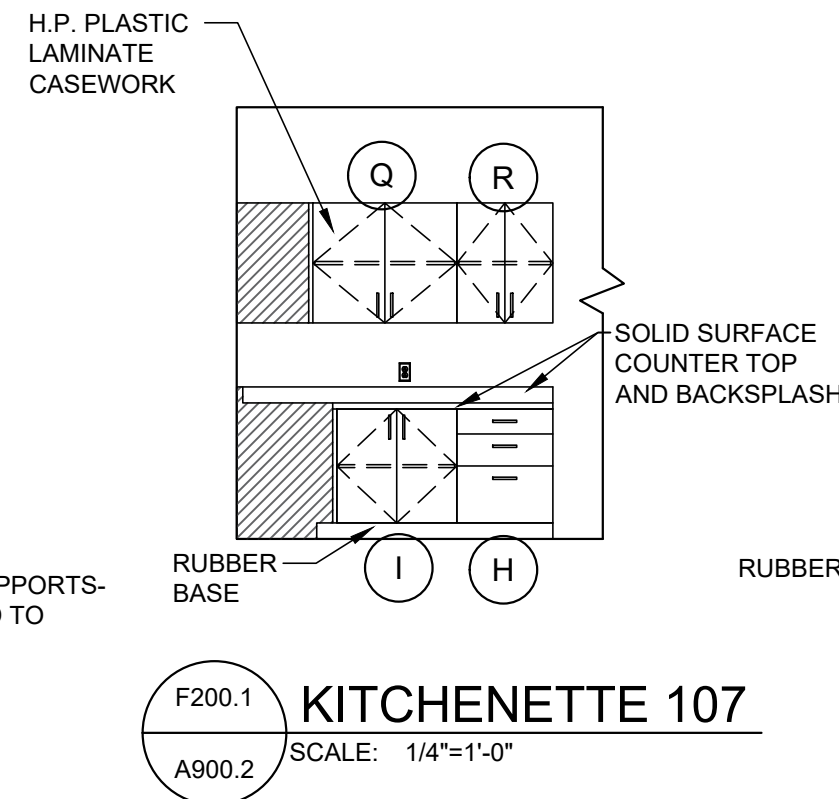
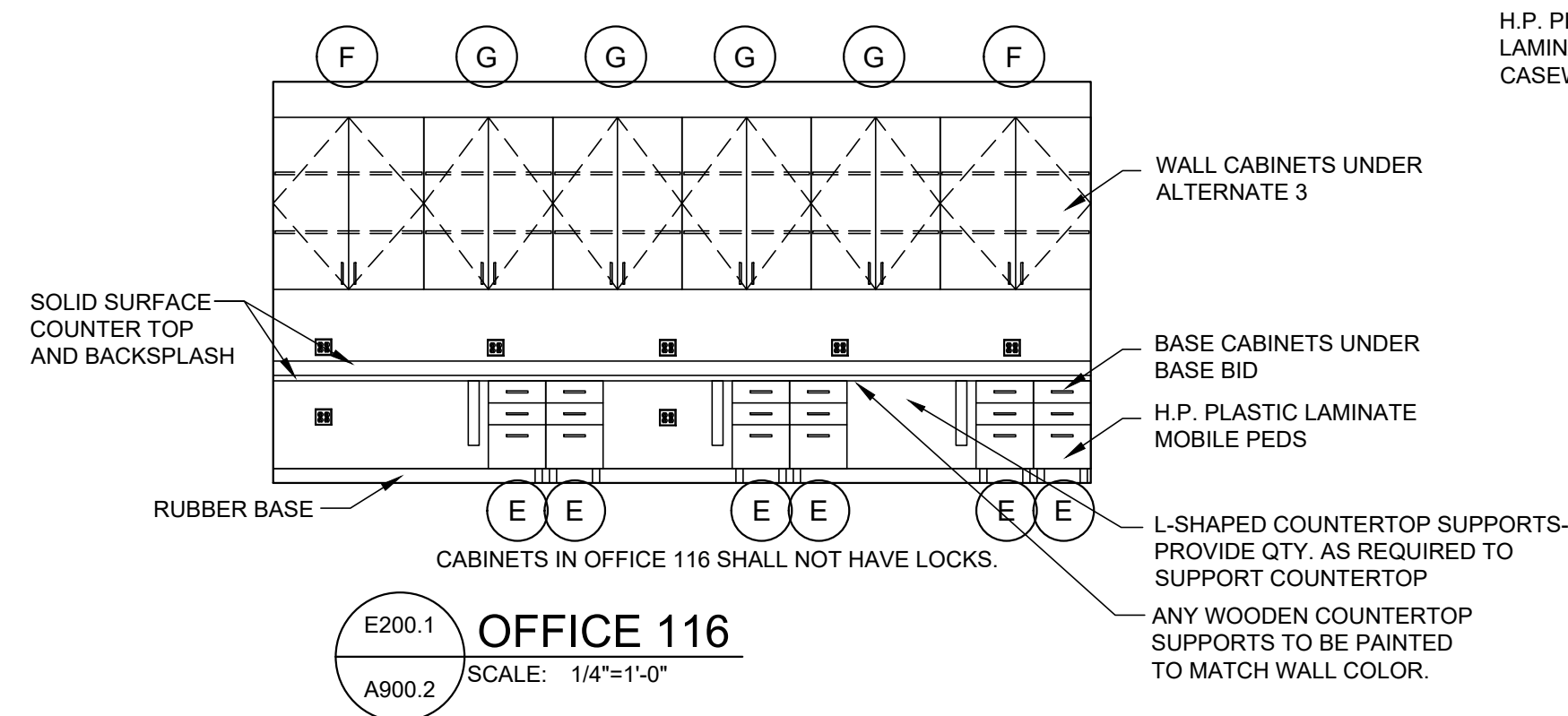
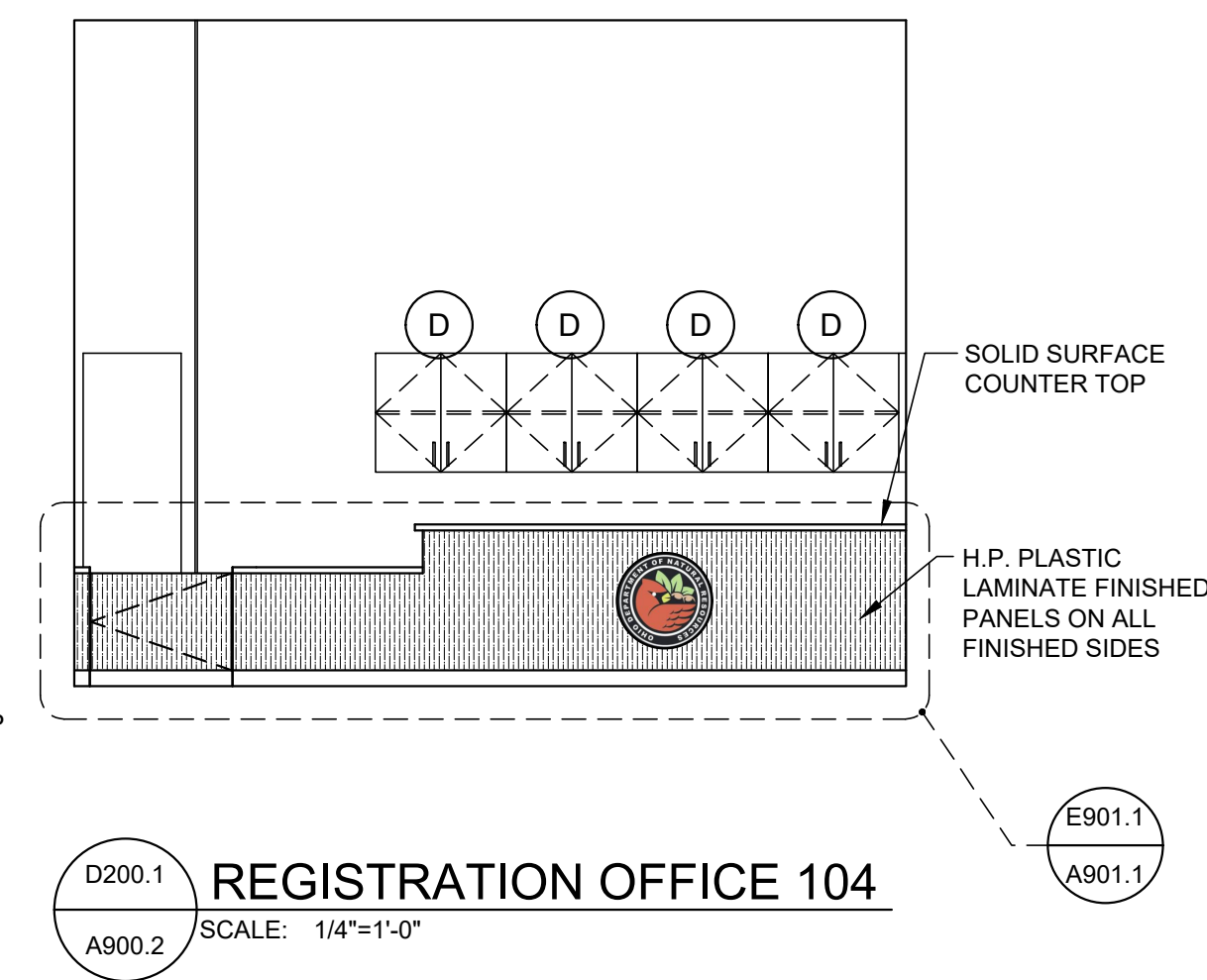
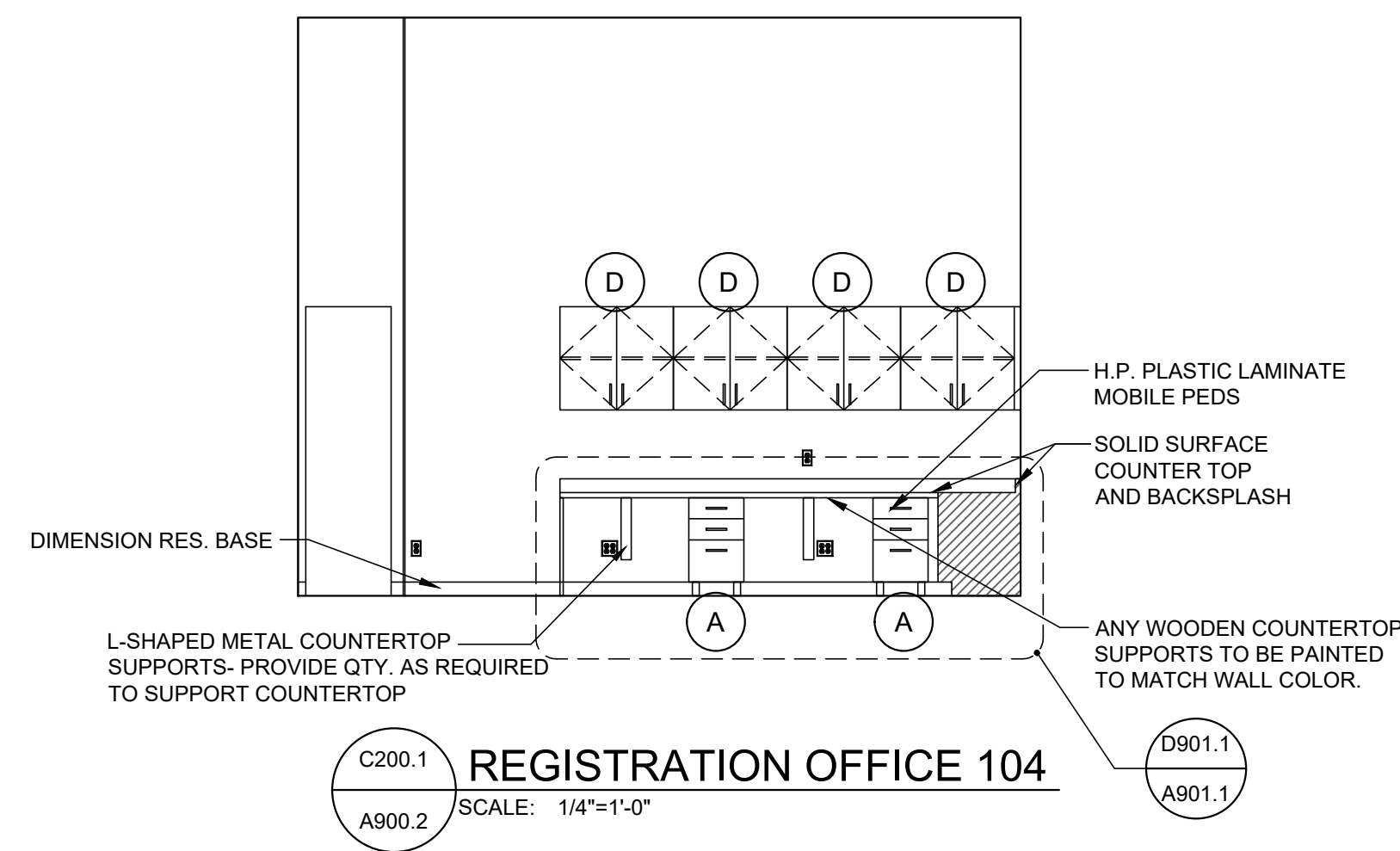
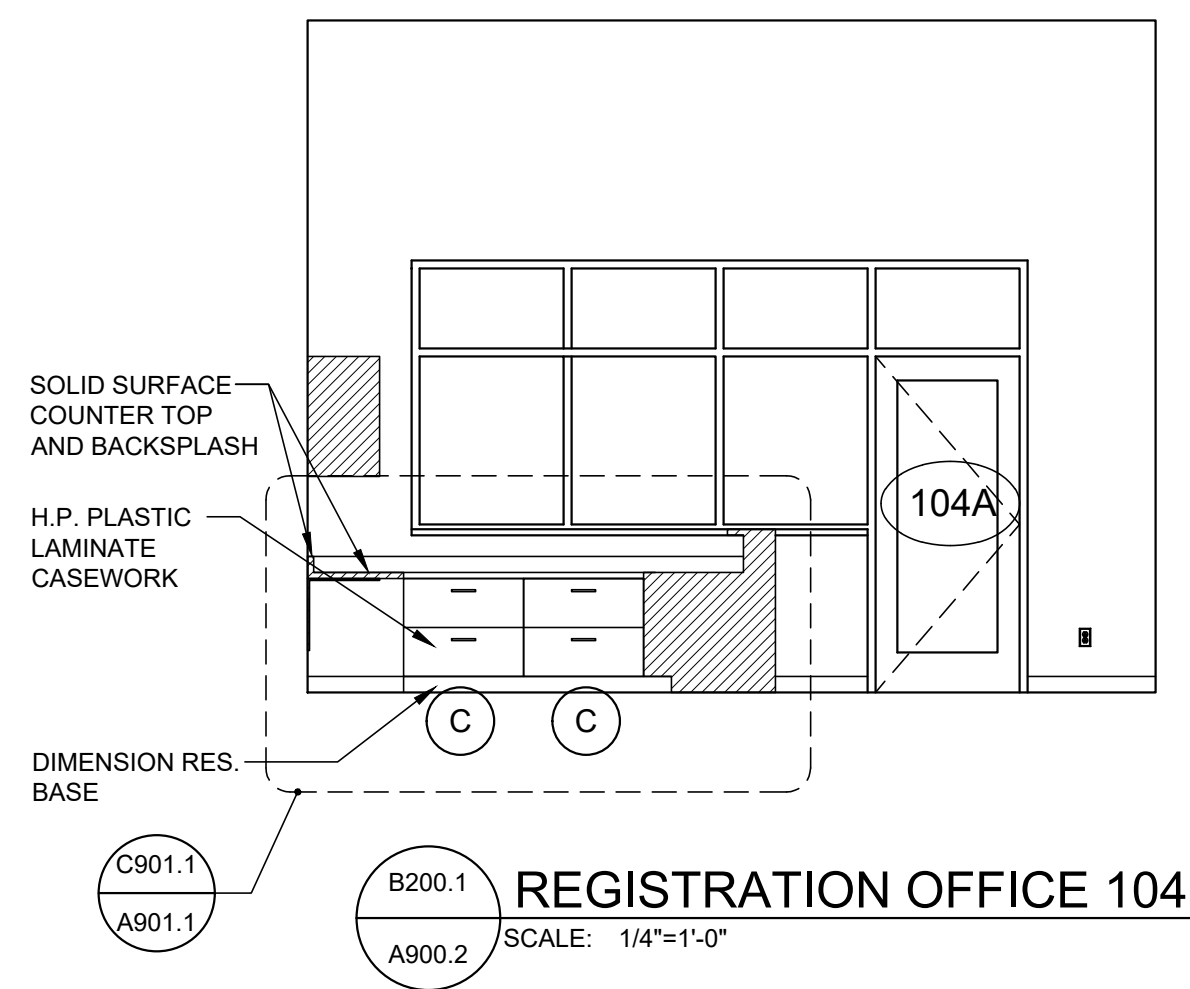
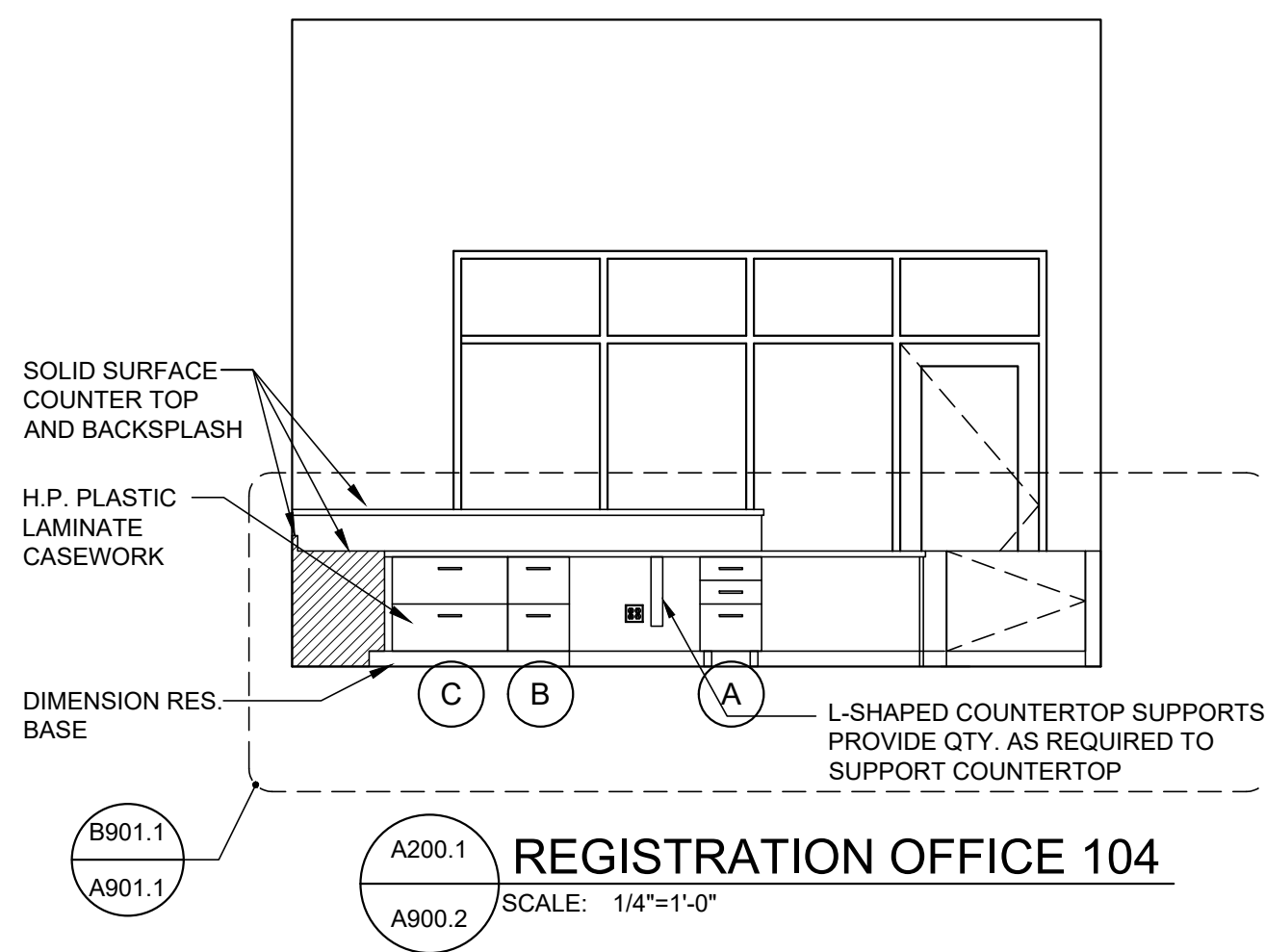


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ISSUE DATE: 09/19/2025	
JOB NUMBER: 241224	
CONSTRUCTION DOCUMENTS	

A900.1

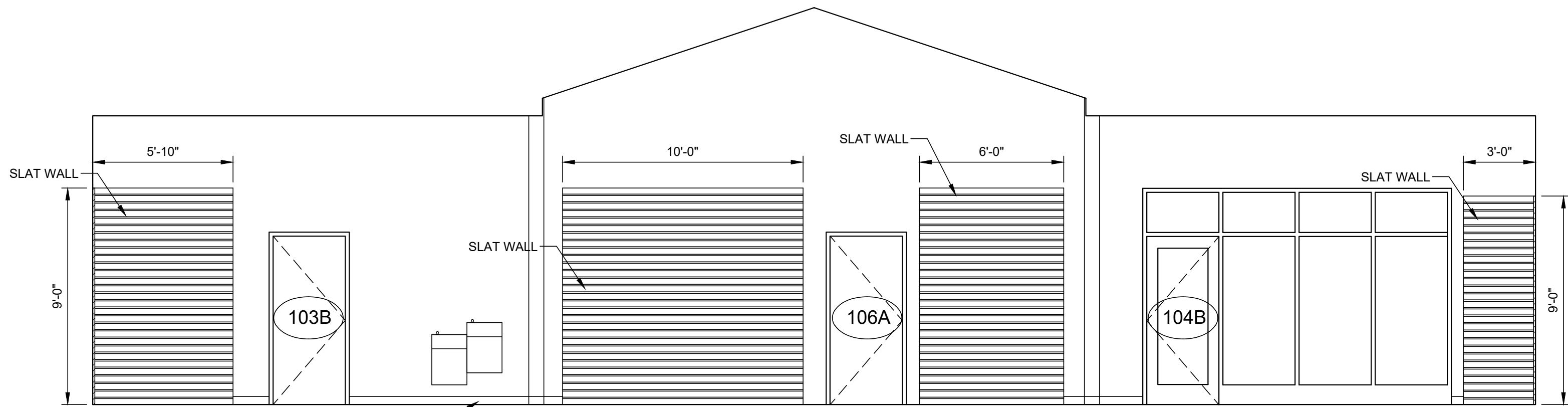


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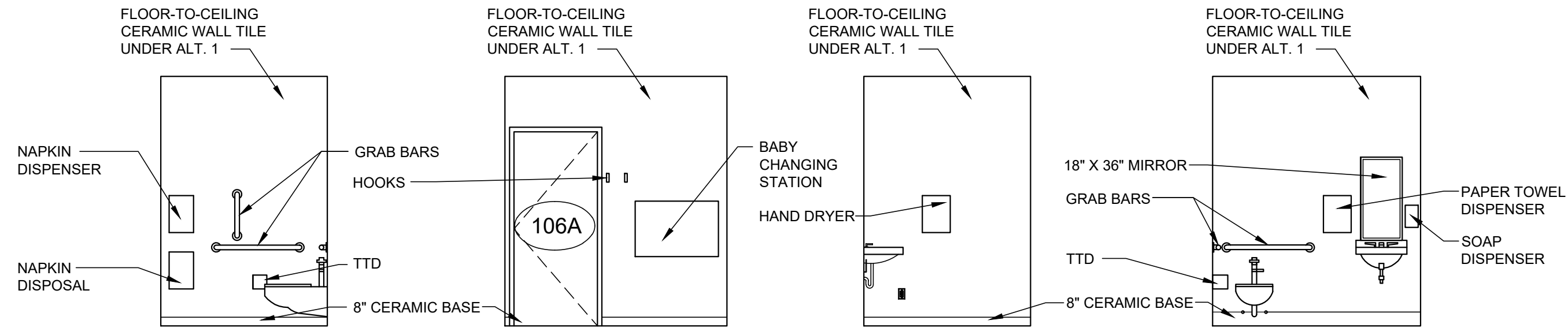


REVISION	
1	ISSUE DATE: 09/19/2025
2	JOB NUMBER: 241224
3	CONSTRUCTION DOCUMENTS

A900.2



A200.1
A900.3
CAMP STORE 101 ELEVATION - BASE BID
SCALE: 1/4"=1'-0"
NOTE: SEE N200.1/A900.3 FOR ALT.

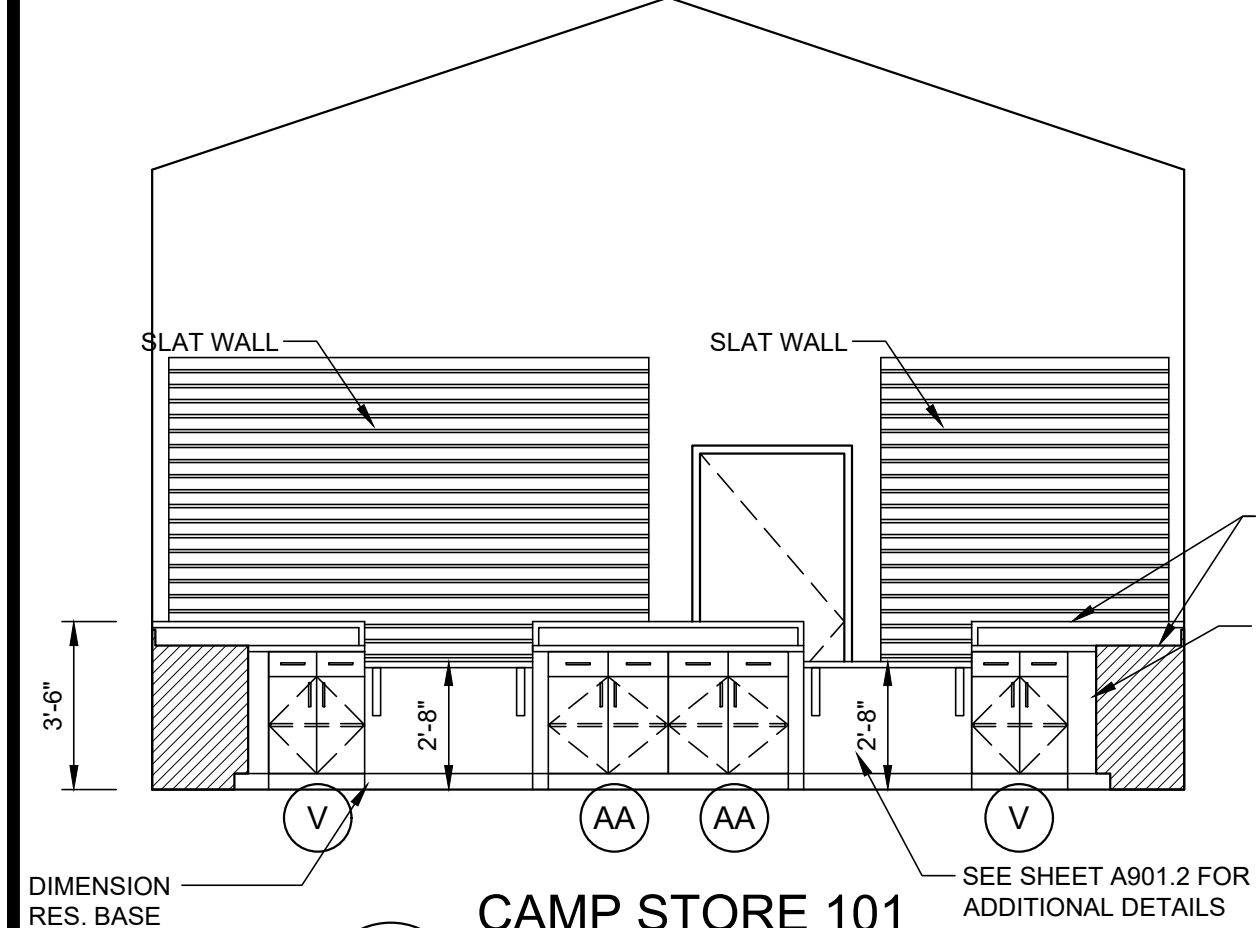


B500.1
A900.3
RESTROOM ELEVATION (SIM)
SCALE: 1/4"=1'-0"

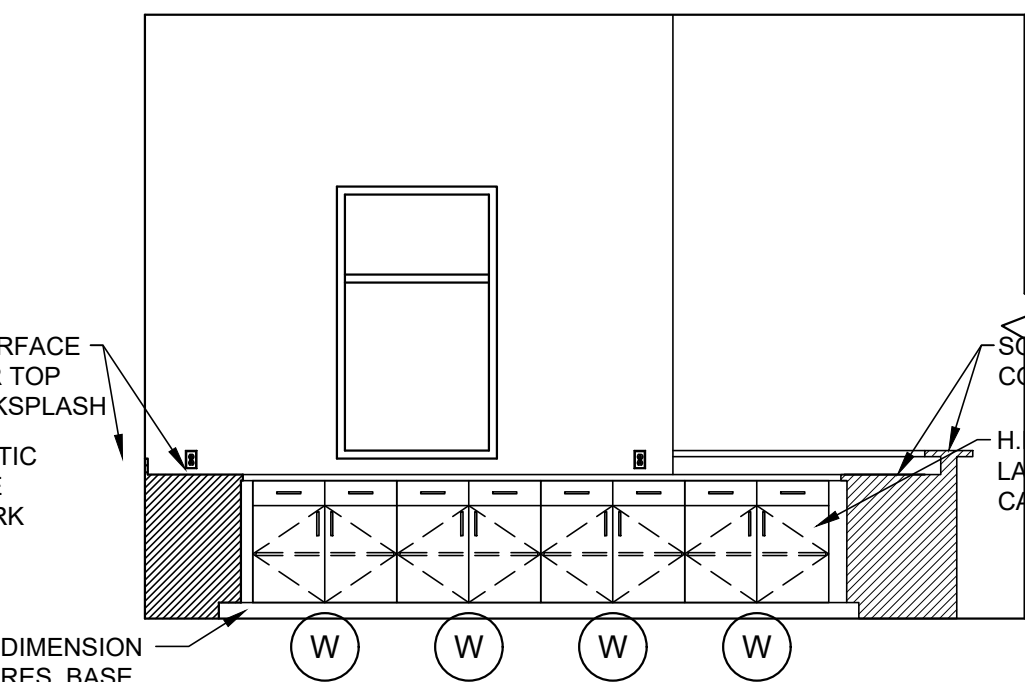
C500.1
A900.3
RESTROOM ELEVATION (SIM)
SCALE: 1/4"=1'-0"

D500.1
A900.3
RESTROOM ELEVATION (SIM)
SCALE: 1/4"=1'-0"

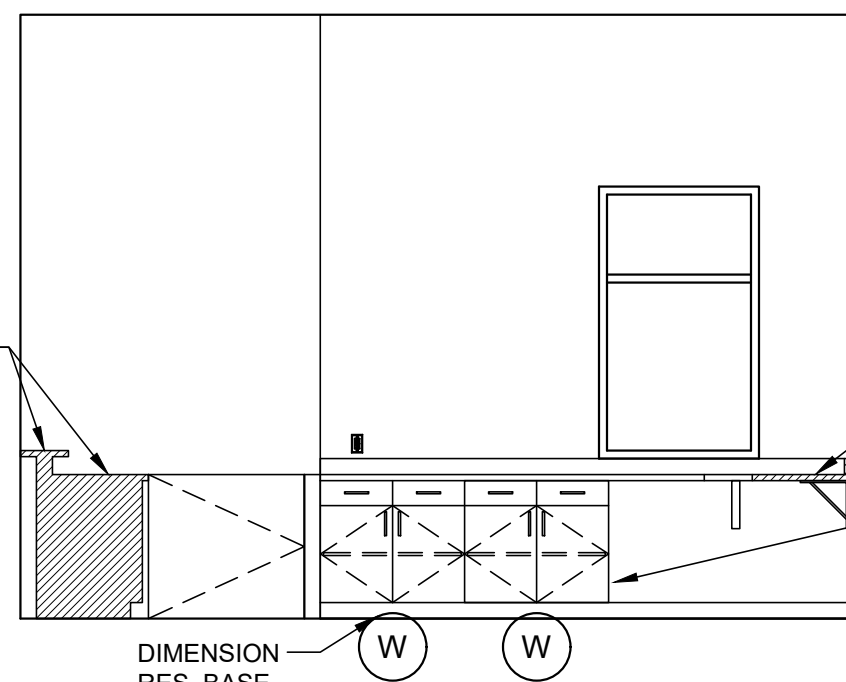
E500.1
A900.3
RESTROOM ELEVATION (SIM)
SCALE: 1/4"=1'-0"



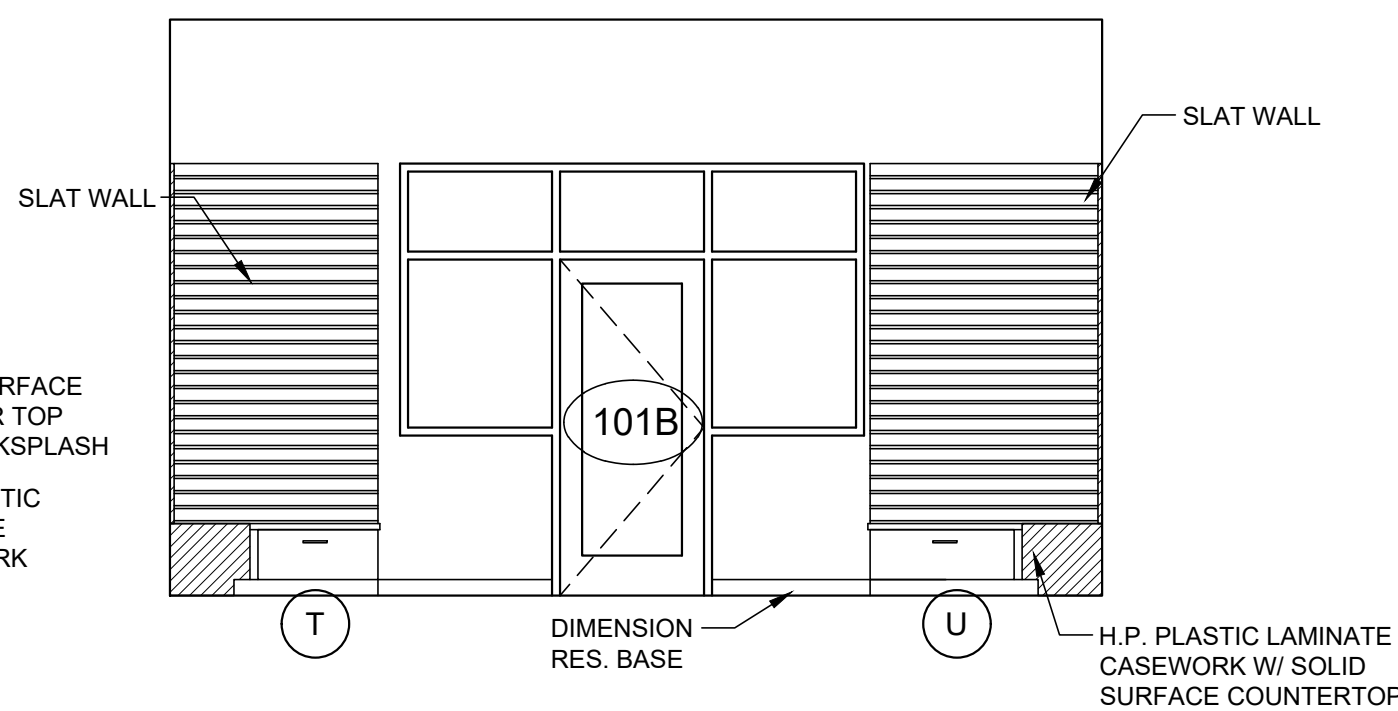
F200.1
A900.3
CAMP STORE 101 DESK ELEVATION - ALT. 3
SCALE: 1/4"=1'-0"
NOTE: SEE P200.1/A900.2 FOR BASE BID



G200.1
A900.3
CAMP STORE 101 DESK ELEVATION - ALT. 3
SCALE: 1/4"=1'-0"
NOTE: SEE Q200.1/A900.2 FOR BASE BID



H200.1
A900.3
CAMP STORE 101 DESK ELEVATION - ALT. 3
SCALE: 1/4"=1'-0"
NOTE: SEE R200.1/A900.2 FOR BASE BID

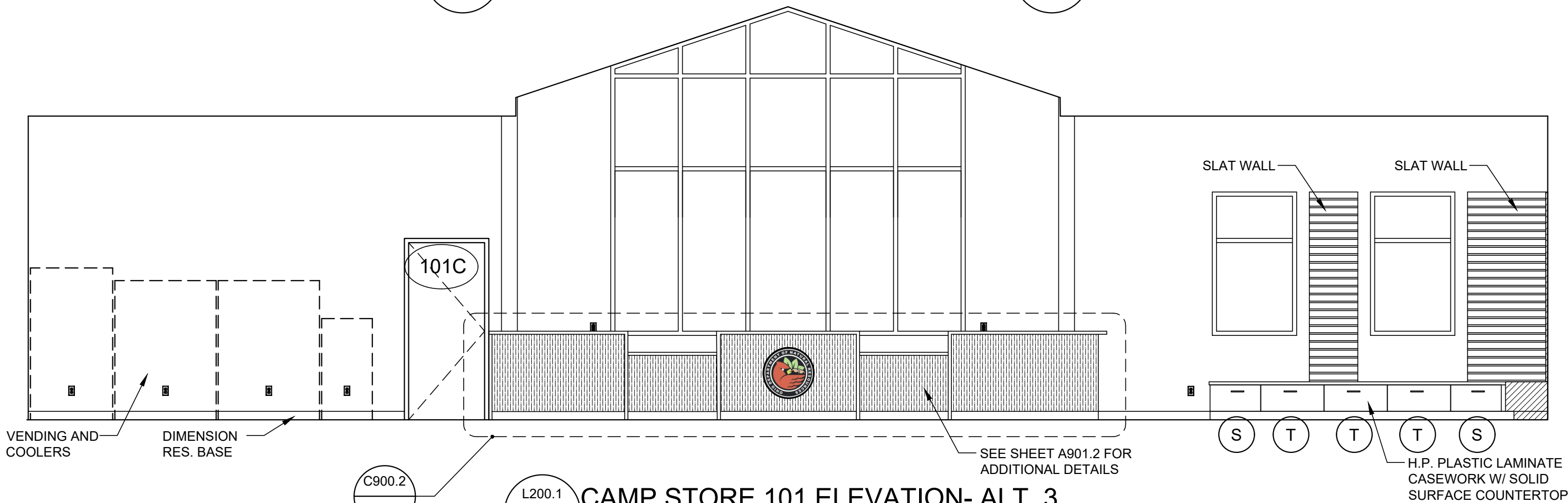


J200.1
A900.3
CAMP STORE 101 - ALT. 3
SCALE: 1/4"=1'-0"
NOTE: SEE J200.1/A900.2 FOR BASE BID

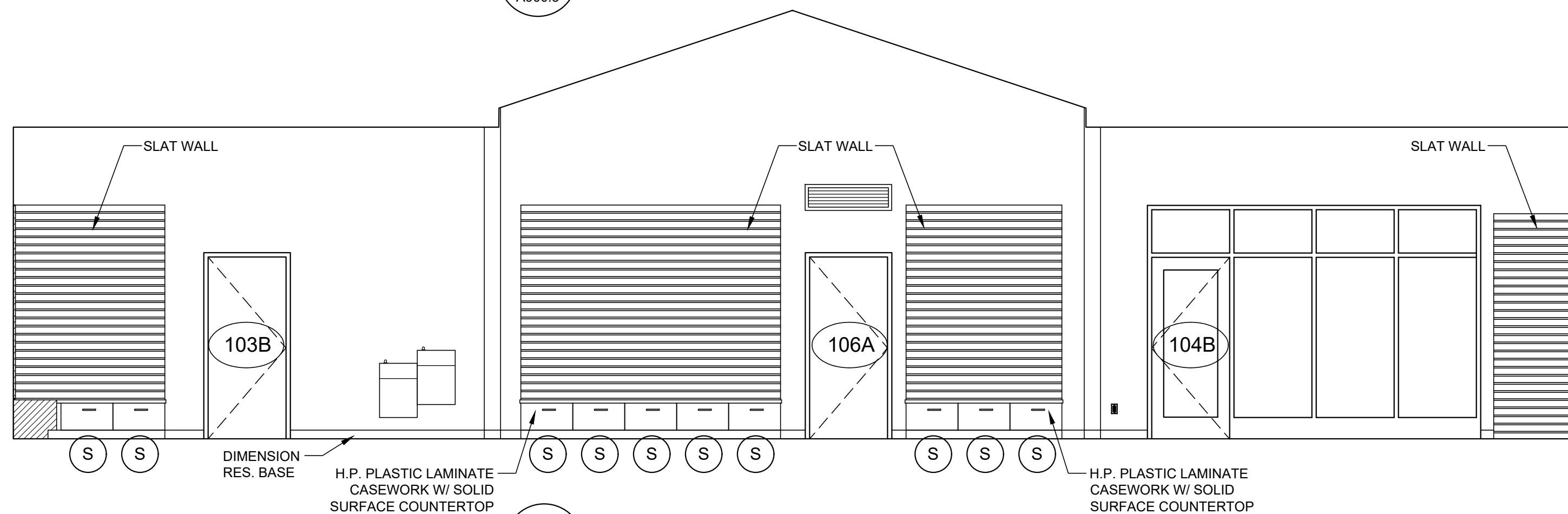
CASEWORK LEGEND

A	MOBILE BBF PEDESTAL (2) BOX DRAWERS, (1) FILE DRAWER, (4) CASTERS, FINISHED TOP 15"W X 21"D X 29"H COORDINATE DIMENSIONS WITH COUNTERTOP & SUPPORTS SO MOBILE PED FITS COMPLETELY UNDER COUNTERTOP	B	MOBILE FF PEDESTAL (2) FILE DRAWERS, (4) CASTERS, FINISHED TOP 15"W X 21"D X 29"H	C	FIXED LATERAL FILE (2) LATERAL FILE DRAWERS 30"W X 24"D X 29"H
D	WALL CABINET (2) DOORS, (1) ADJ. SHELF 33"W X 18"D X 30"H	E	MOBILE BBF PEDESTAL (2) BOX DRAWERS, (1) FILE DRAWER, (4) CASTERS, FINISHED TOP 15"W X 21"D X 29"H COORDINATE DIMENSIONS WITH COUNTERTOP & SUPPORTS SO MOBILE PED FITS COMPLETELY UNDER COUNTERTOP	F	WALL CABINET (2) DOORS, (2) ADJ. SHELVES 42"W X 18"D X 48"H
G	WALL CABINET (2) DOORS, (1) ADJ. SHELVES 36"W X 18"D X 48"H	H	ADA BASE CABINET (3) DRAWERS 24"W X 24"D X 32"H	I	ADA BASE CABINET (2) DOORS, (1) ADJ. SHELF 30"W X 24"D X 32"H
J	ADA BASE CABINET (1) DOOR, (1) ADJ. SHELF 18"W X 24"D X 32"H	K	ADA SINK BASE CABINET (2) DOORS, (1) ADJ. SHELF 36"W X 24"D X 32"H	L	ADA BASE CABINET (3) DRAWERS 15"W X 24"D X 32"H
M	WALL CABINET (2) DOORS 36"W X 18"D X 12"H	N	WALL CABINET (1) DOOR, (1) ADJ. SHELF 15"W X 18"D X 30"H	O	WALL CABINET (2) DOORS 36"W X 18"D X 25"H
P	MICROWAVE WALL CABINET (2) DOORS ABOVE, OPEN SHELF BELOW 24"W X 18"D X 30"H VERIFY DIMENSIONS OF MICROWAVE PRIOR TO FABRICATION	Q	WALL CABINET (2) DOORS 36"W X 18"D X 30"H	R	WALL CABINET (2) DOORS 24"W X 18"D X 30"H
S	LOW BASE CABINET (1) DRAWER 30"W X 20"D X 18"H	T	LOW BASE CABINET (1) DRAWER 30"W X 20"D X 18"H	U	LOW BASE CABINET (1) DRAWER 36"W X 20"D X 18"H
V	BASE CABINET (2) DRAWERS, (2) DOORS, (1) ADJ. SHELF 24"W X 24"D X 36"H	W	BASE CABINET (2) DRAWERS, (2) DOORS, (1) ADJ. SHELF 36"W X 24"D X 36"H	X	FIXED BBF PEDESTAL (3) BOX DRAWERS, (1) FILE DRAWER 15"W X 24"D X 36"H
Y	FIXED BBF PEDESTAL (1) BOX DRAWER, (2) FILE DRAWERS 15"W X 24"D X 25"H	Z	BASE CABINET (2) DOORS, (1) ADJ. SHELF 33"W X 24"D X 36"H	AA	BASE CABINET (1) DRAWERS, (2) DOORS, (1) ADJ. SHELF 30"W X 24"D X 30"H
BB	NOT USED	CC	TALL CABINET (2) DOORS, (1) ADJ. SHELF 27"W X 24"D X 84"H	DD	BASE CABINET (1) DRAWERS, (2) DOORS, (1) ADJ. SHELF 30"W X 24"D X 36"H
EE	WALL CABINET (2) DOORS, (1) ADJ. SHELF 30"W X 18"D X 25"H	FF	WALL CABINET (2) DOORS, (1) ADJ. SHELF 24"W X 18"D X 25"H	-	-
S1	METAL STORAGE SHELVING 48"W X 24"D X 84"H SEE SPEC SECTION 10 56 13	S2	METAL STORAGE SHELVING 36"W X 24"D X 84"H SEE SPEC SECTION 10 56 13	-	-

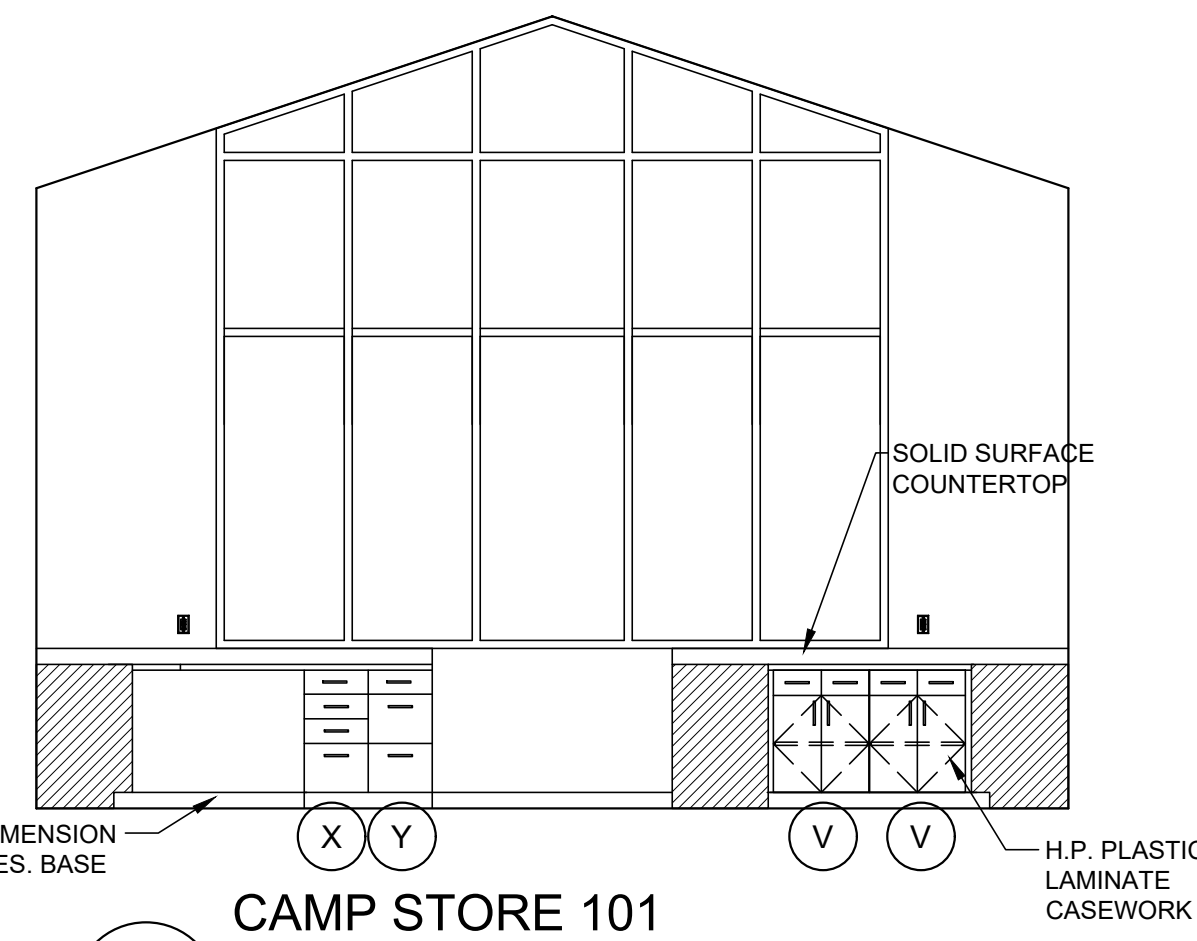
CASEWORK NOTES:
1. PROVIDE FILLERS AND FINISHED END PANELS AS SHOWN AND REQUIRED FOR A COMPLETE AND "FINISHED" INSTALLATION.
2. BASIS OF DESIGN IS STEVENS CASEMASTER. SEE SPEC SECTION 12 30 00 FOR APPROVED EQUALS.
3. FINAL GROMMET LOCATIONS IN ALL COUNTERTOPS SHALL BE COORDINATED WITH THE OWNER IN THE FIELD.
4. PROVIDE NECESSARY L-BRACKETS AND SUPPORTS FOR COUNTERTOPS. WOODEN SUPPORTS TO BE PAINTED TO MATCH WALL COLOR.
5. PROVIDE WOOD BLOCKING IN METAL STUD AND DRYWALL WALLS FOR MOUNTING CASEWORK, COUNTERS, TACK MARKERBOARDS, EQUIPMENT, ETC.
6. ALL CASEWORK, COUNTERTOPS, TACKMARKERBOARDS, METAL SHELVING, ETC. MAY NOT BE SHOWN ON ELEVATIONS. SEE FLOOR PLANS FOR QUANTITIES AND LOCATIONS.
7. WINDOWS AND DOORS SHOWN FOR REFERENCE ONLY. SEE FLOOR PLANS, SECTIONS, AND WINDOW AND DOOR DETAILS FOR EXACT LOCATIONS AND DETAILS.
8. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND DETAILS.
9. CAMPSTORE 101, LOOKS ONLY PROVIDED AT CHECK DESK



L200.1
A900.3
CAMP STORE 101 ELEVATION- ALT. 3
SCALE: 1/4"=1'-0"
NOTE: SEE K200.1/A900.2 FOR BASE BID



N200.1
A900.3
CAMP STORE 101 ELEVATION - ALT. 3
SCALE: 1/4"=1'-0"
NOTE: SEE A200.1/A900.3 FOR BASE



P200.1
A900.3
CAMP STORE 101 DESK ELEVATION - ALT. 3
SCALE: 1/4"=1'-0"
NOTE: SEE H200.1/A900.2 FOR BASE BID



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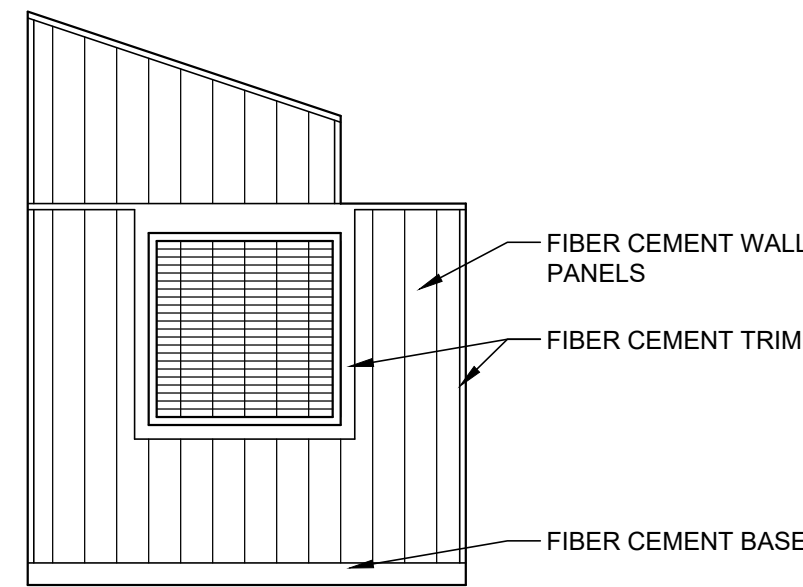
REVISION SCHEDULE

ISSUE DATE: 09/19/2025

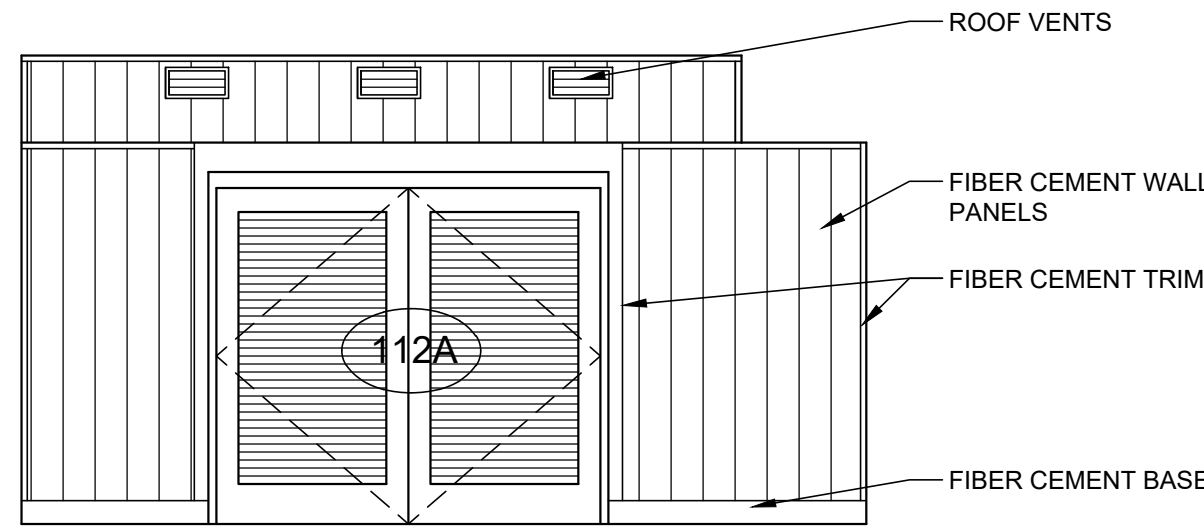
JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

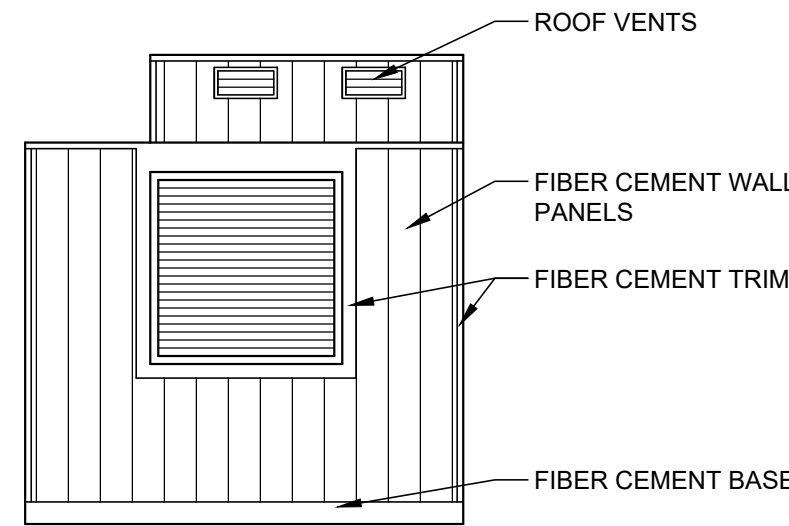
A900.3



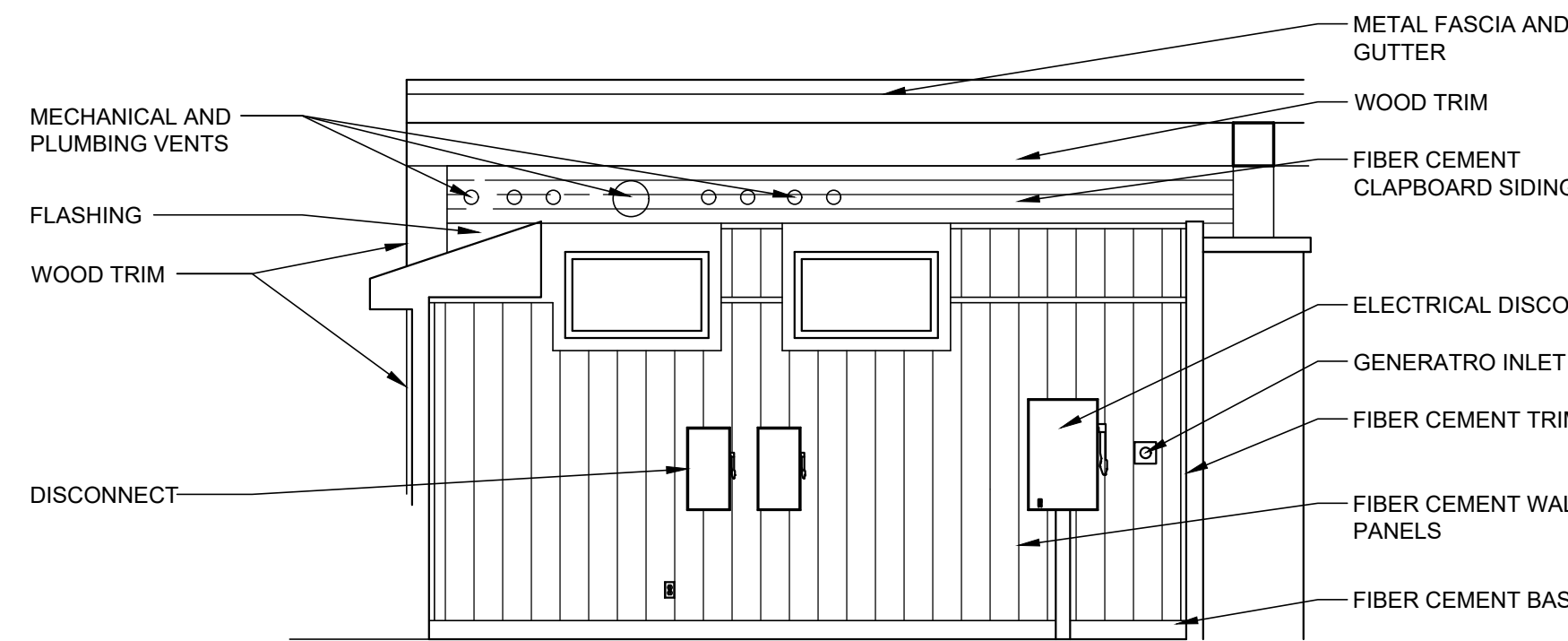
**MECHANICAL
YARD ELEVATION**
A200.1
A900.4
SCALE: 1/4"=1'-0"



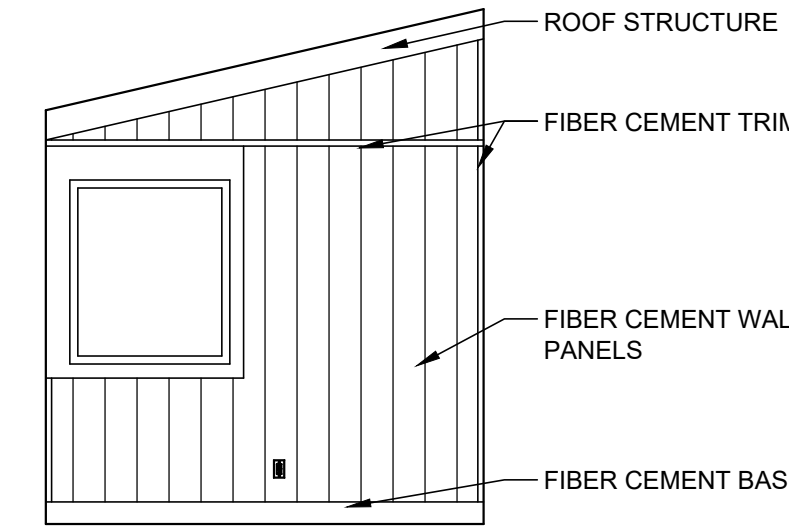
**MECHANICAL
YARD ELEVATION**
B200.1
A900.4
SCALE: 1/4"=1'-0"



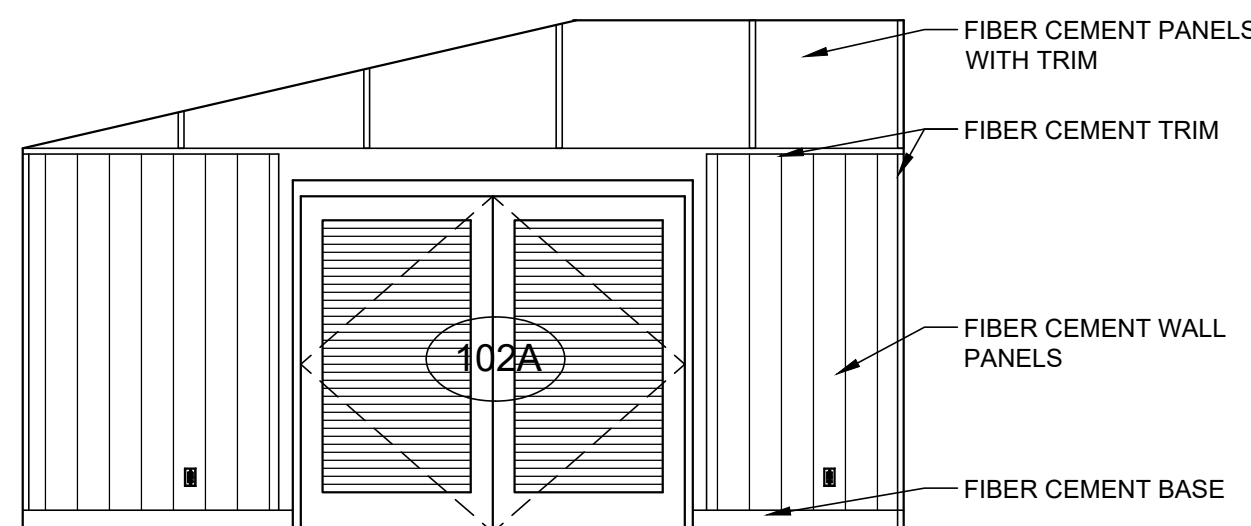
**MECHANICAL
YARD ELEVATION**
C200.1
A900.4
SCALE: 1/4"=1'-0"



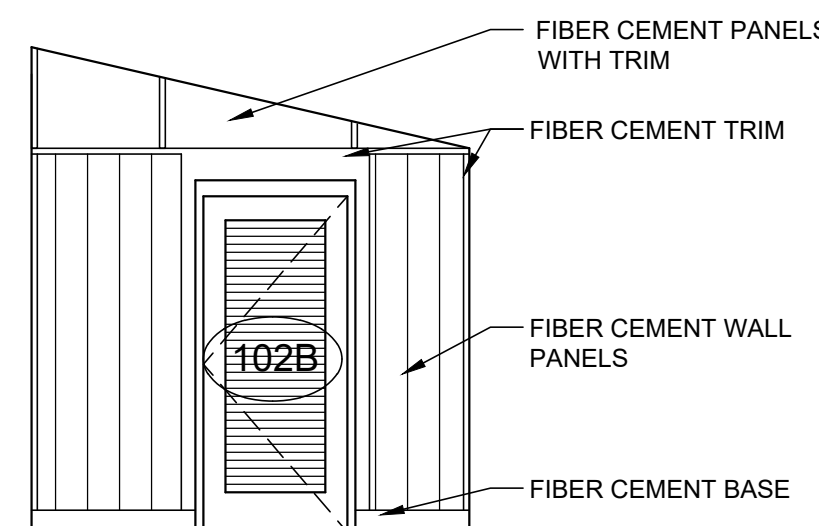
**MECHANICAL
YARD ELEVATION**
D200.1
A900.4
SCALE: 1/4"=1'-0"



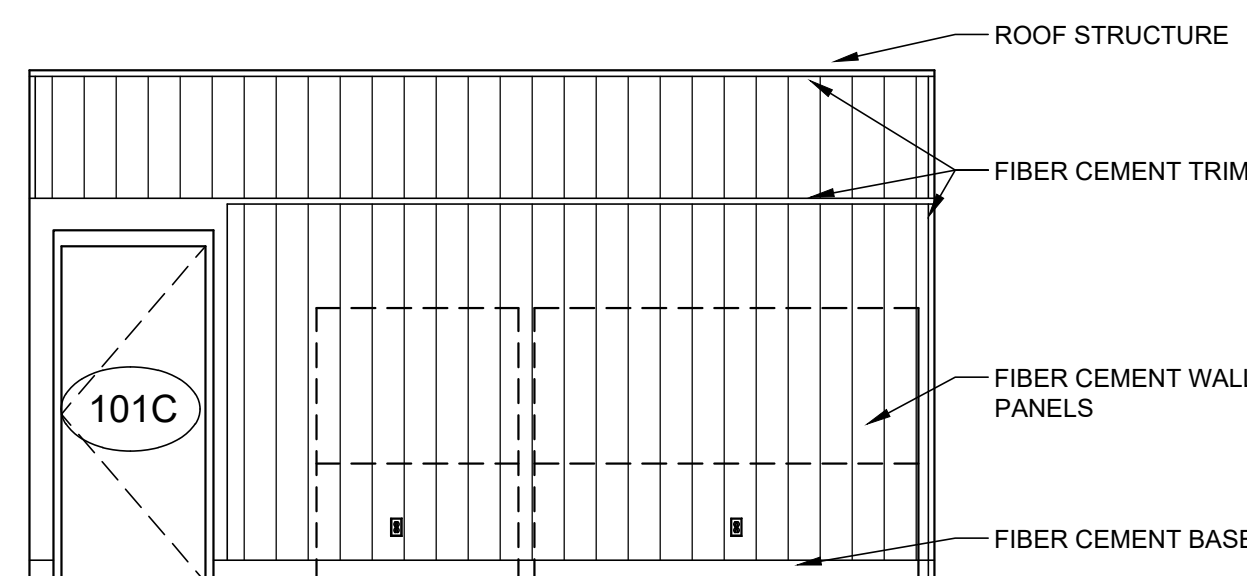
**EXTERIOR
STORAGE ELEVATION**
E200.1
A900.4
SCALE: 1/4"=1'-0"



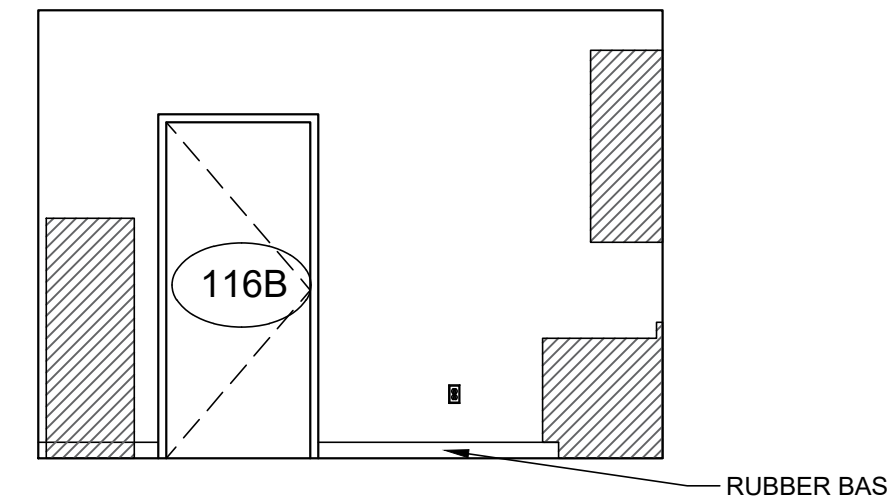
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STORAGE ELEVATION**
F200.1
A900.4
SCALE: 1/4"=1'-0"



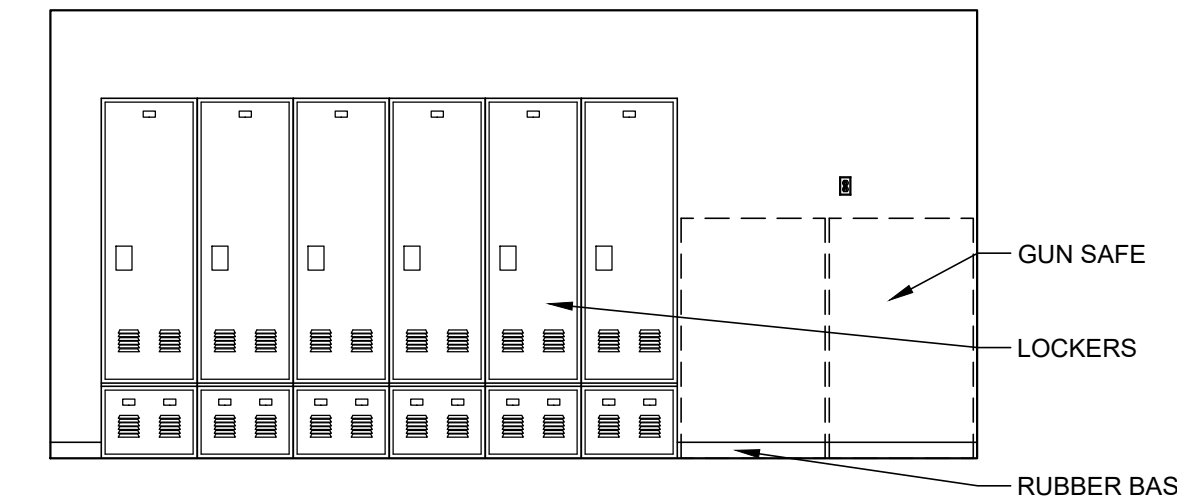
**EXTERIOR
STORAGE ELEVATION**
G200.1
A900.4
SCALE: 1/4"=1'-0"



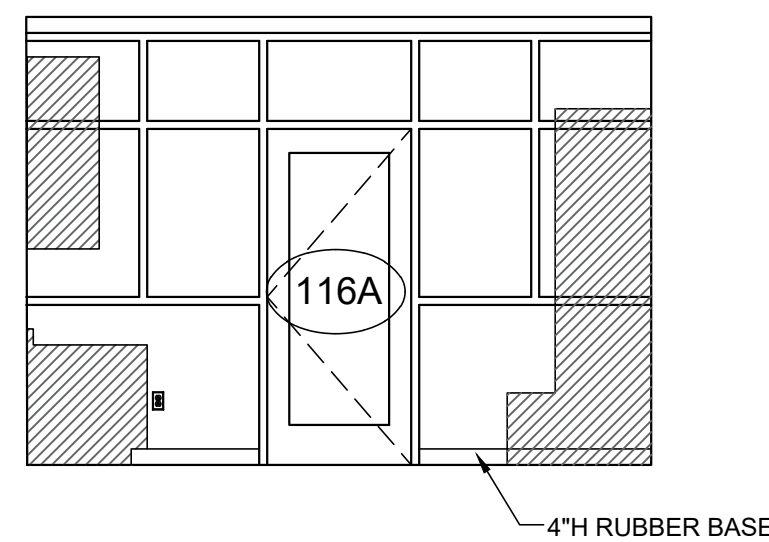
**EXTERIOR
STORAGE ELEVATION**
H200.1
A900.4
SCALE: 1/4"=1'-0"



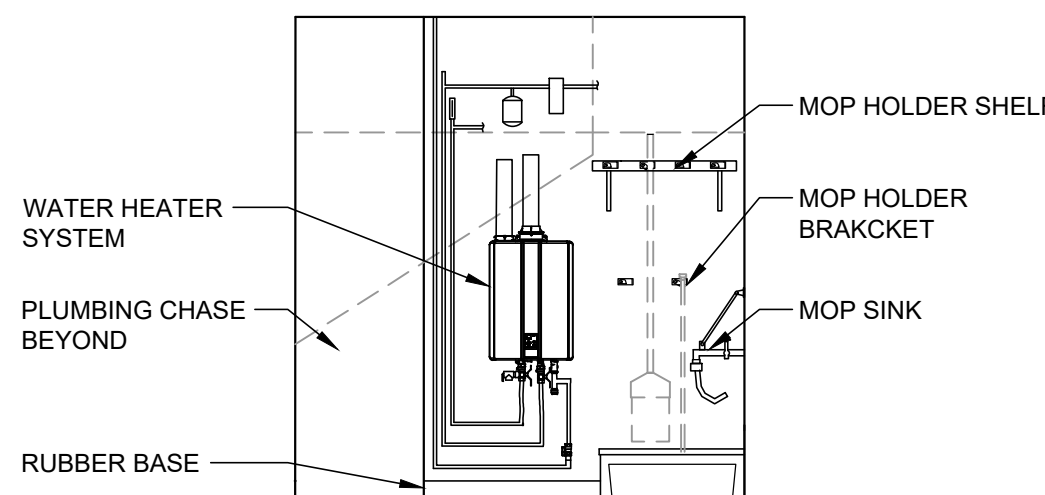
OFFICE 116
J200.1
A900.4
SCALE: 1/4"=1'-0"



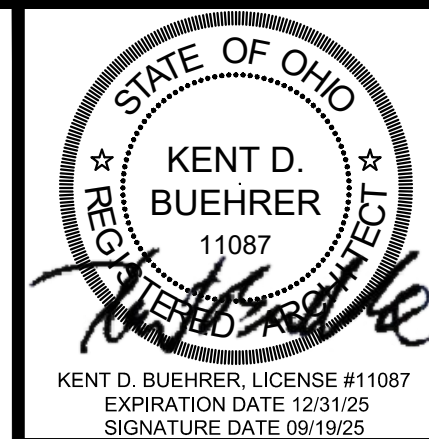
OFFICE 116
K200.1
A900.4
SCALE: 1/4"=1'-0"



OFFICE 116
L200.1
A900.4
SCALE: 1/4"=1'-0"



JANITOR 105
M200.1
A900.4
SCALE: 1/4"=1'-0"



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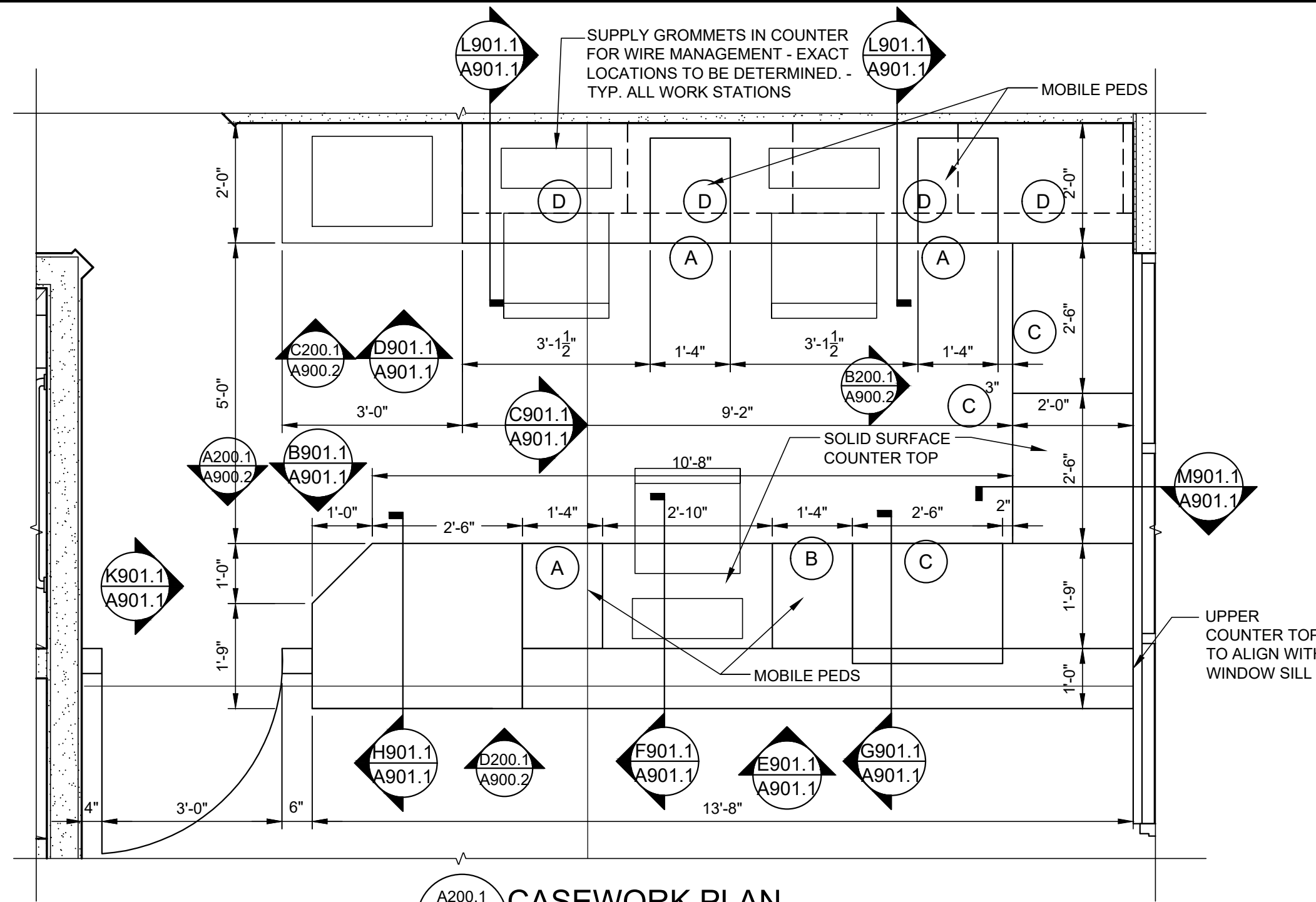
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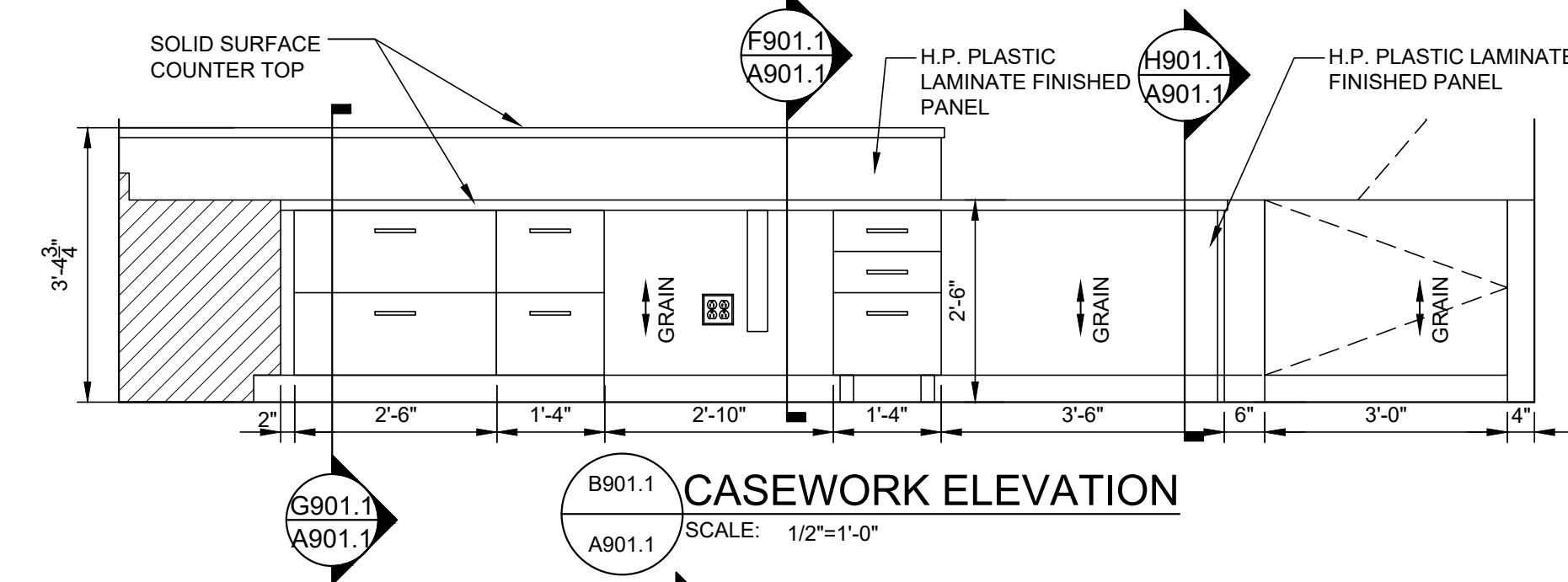
JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

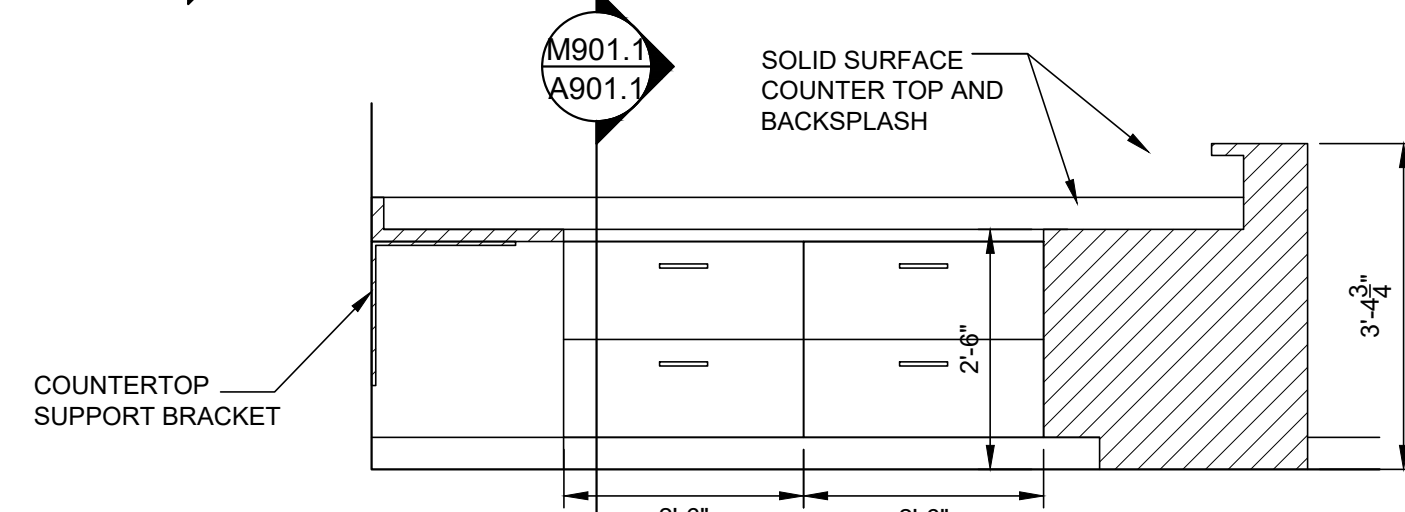
A900.4



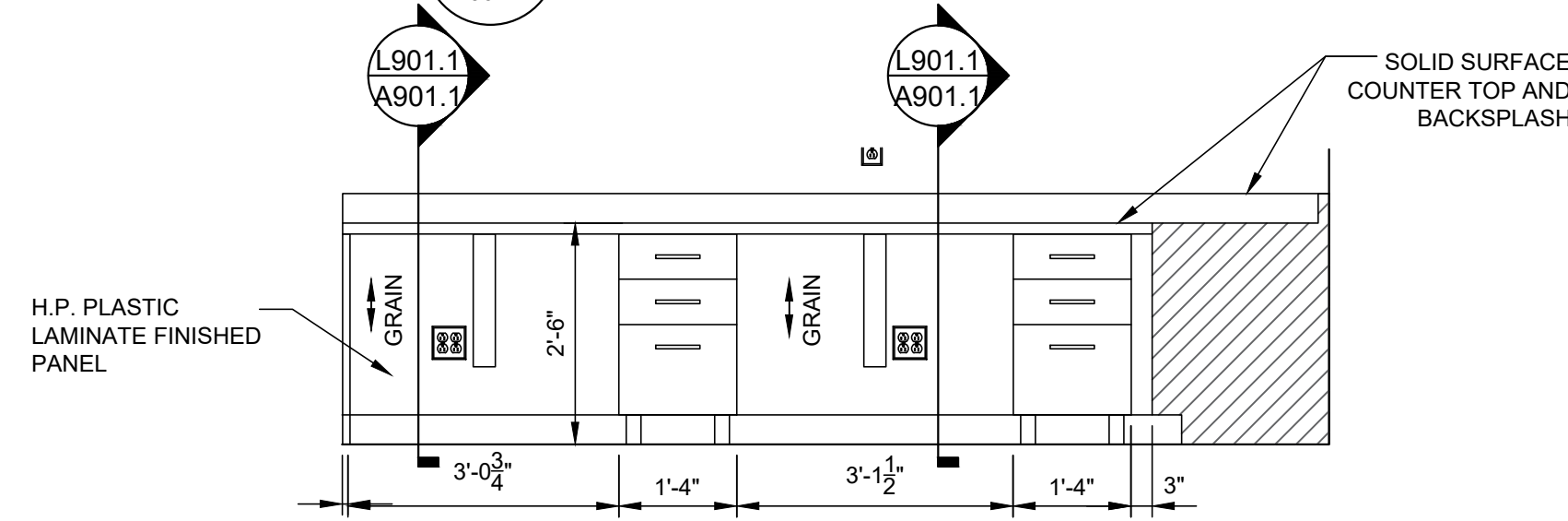
CASEWORK PLAN
SCALE: 1/2"=1'-0"
NOTE: PLAN HAS BEEN ROTATED ON THIS SHEET



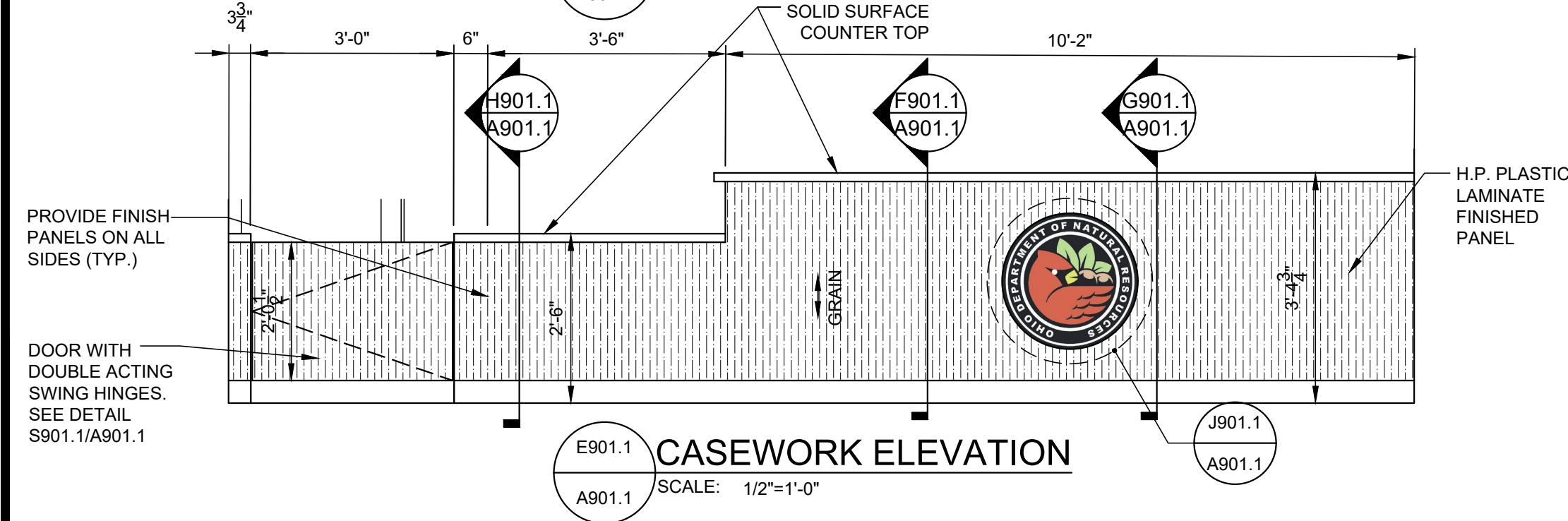
CASEWORK ELEVATION
SCALE: 1/2"=1'-0"



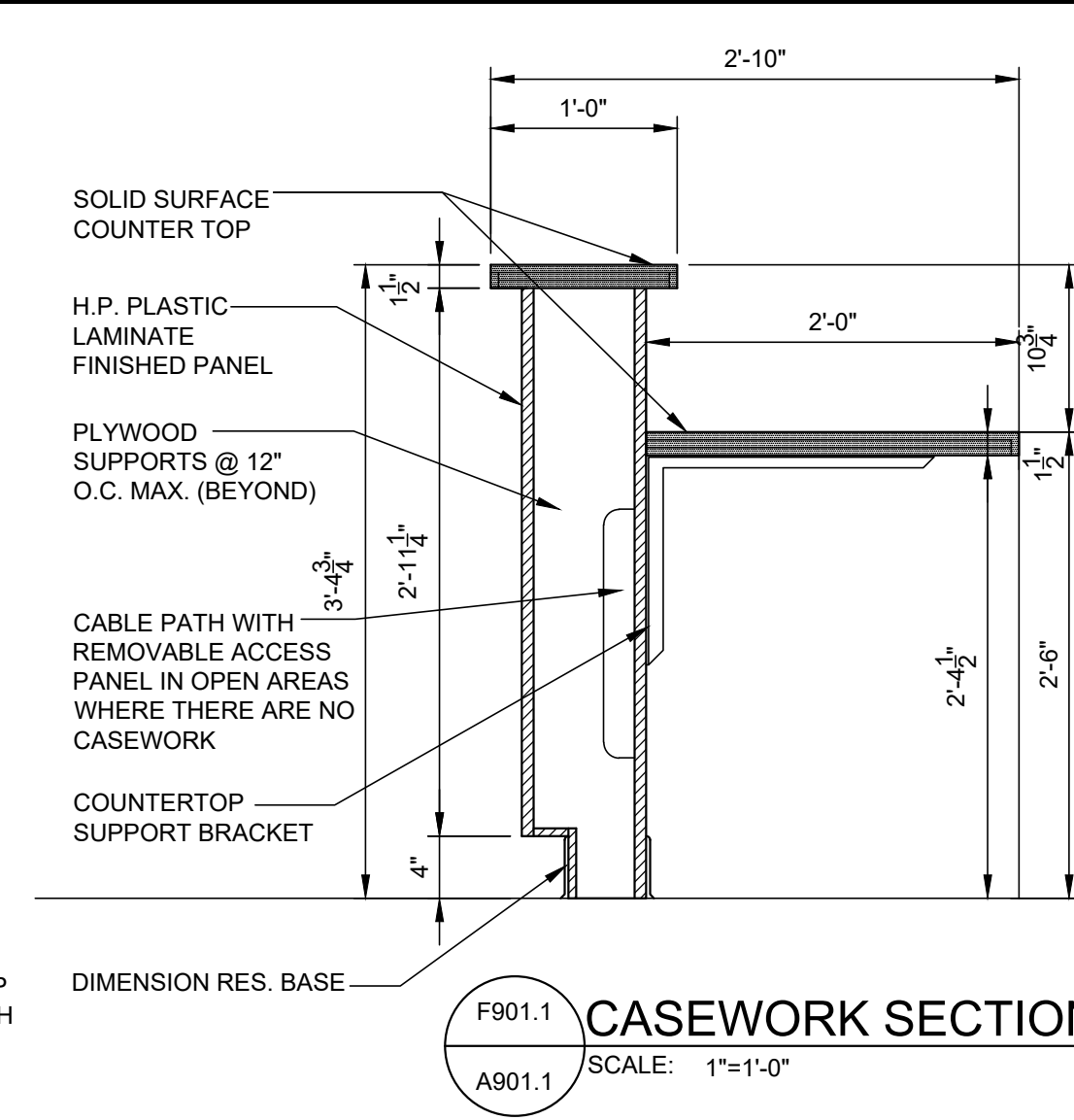
CASEWORK ELEVATION
SCALE: 1/2"=1'-0"



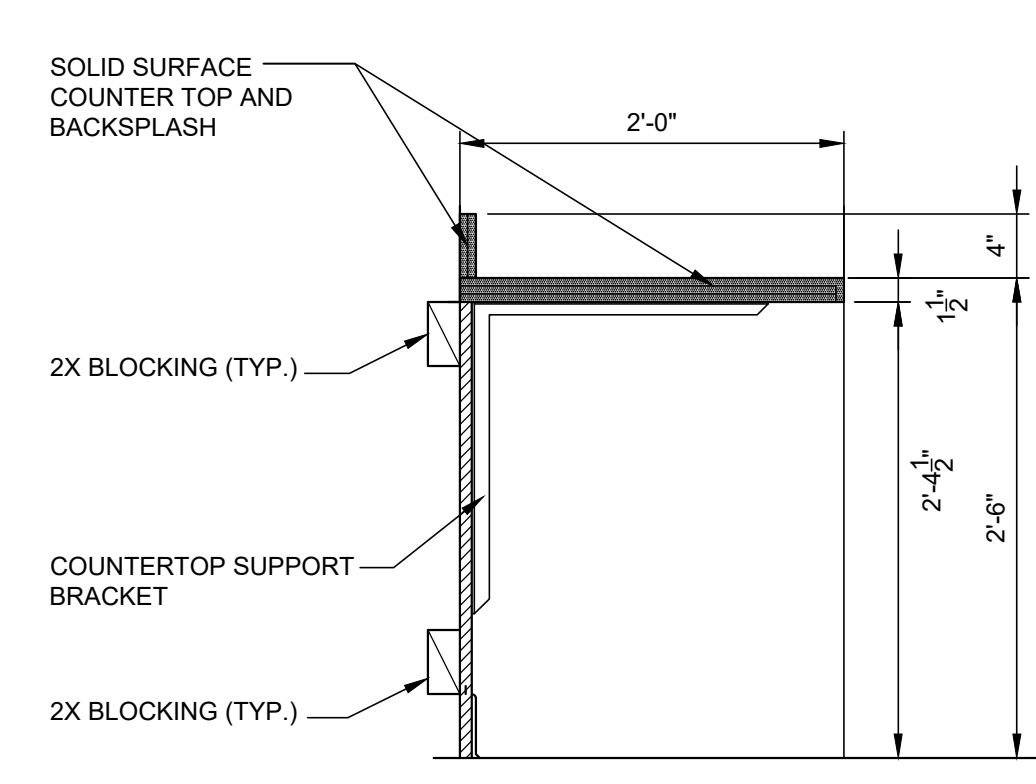
CASEWORK ELEVATION
SCALE: 1/2"=1'-0"



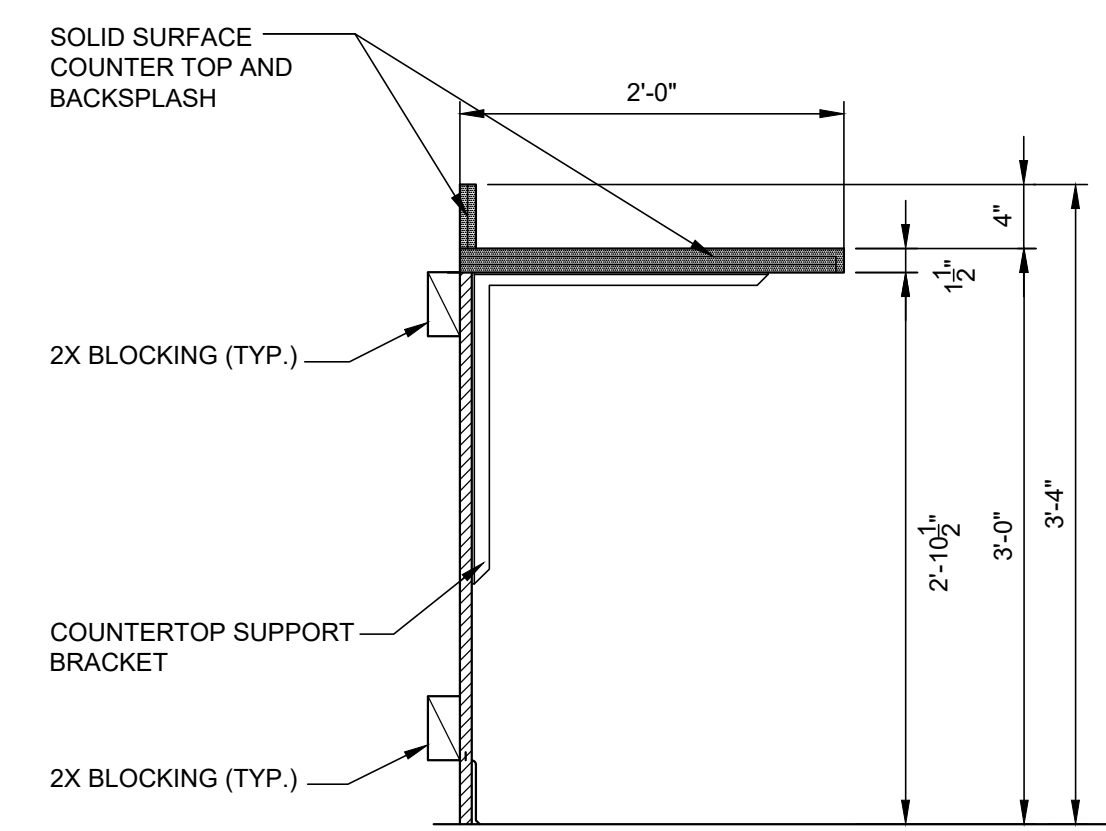
CASEWORK ELEVATION
SCALE: 1/2"=1'-0"



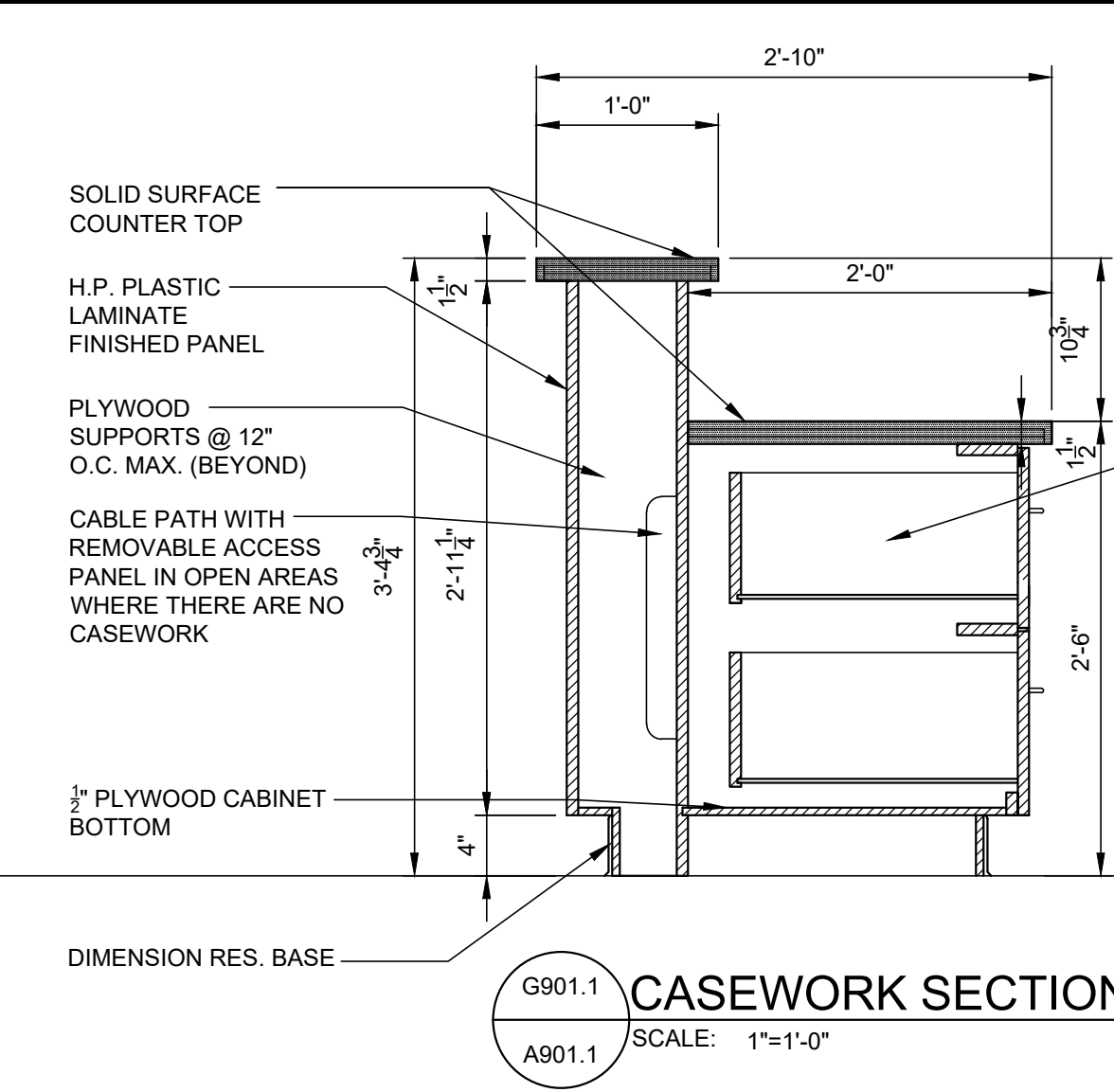
CASEWORK SECTION
SCALE: 1"=1'-0"



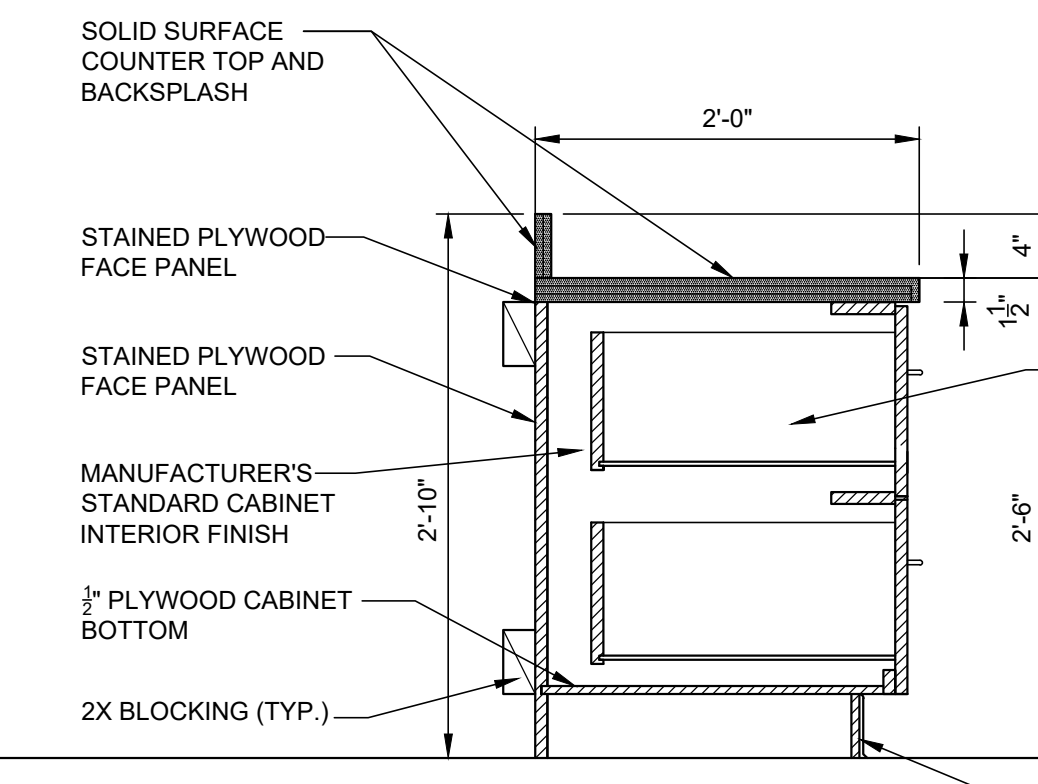
CASEWORK SECTION
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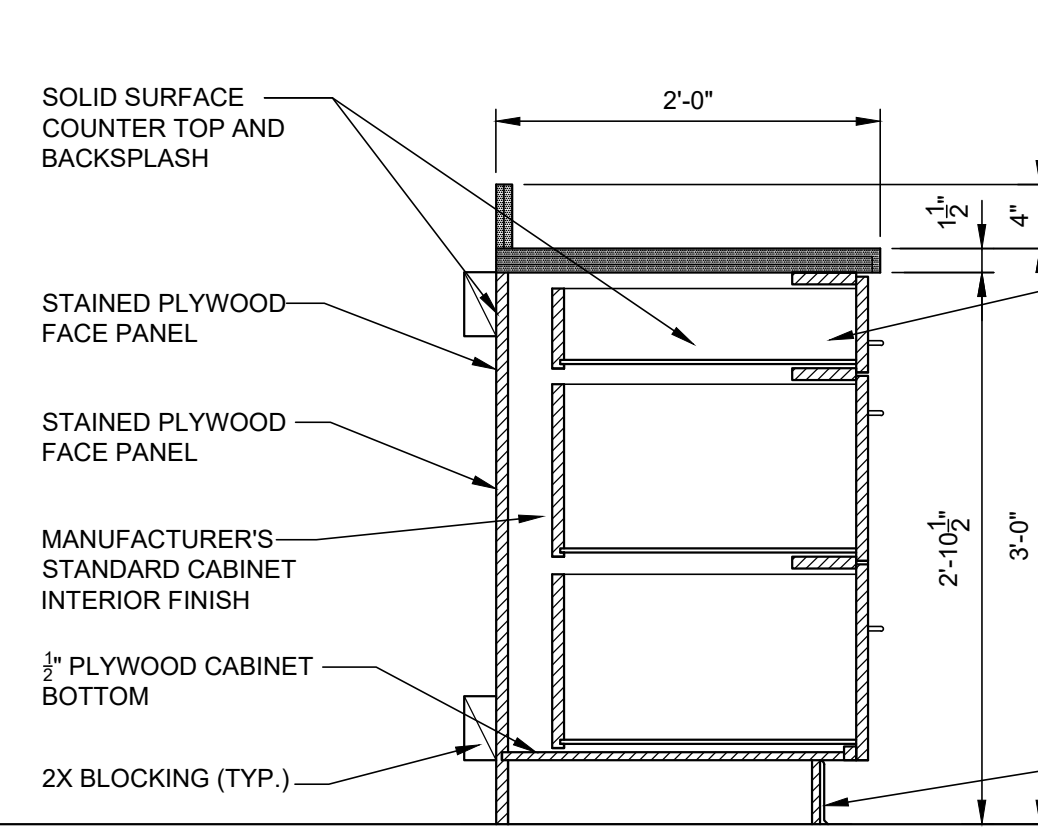
CASEWORK SECTION
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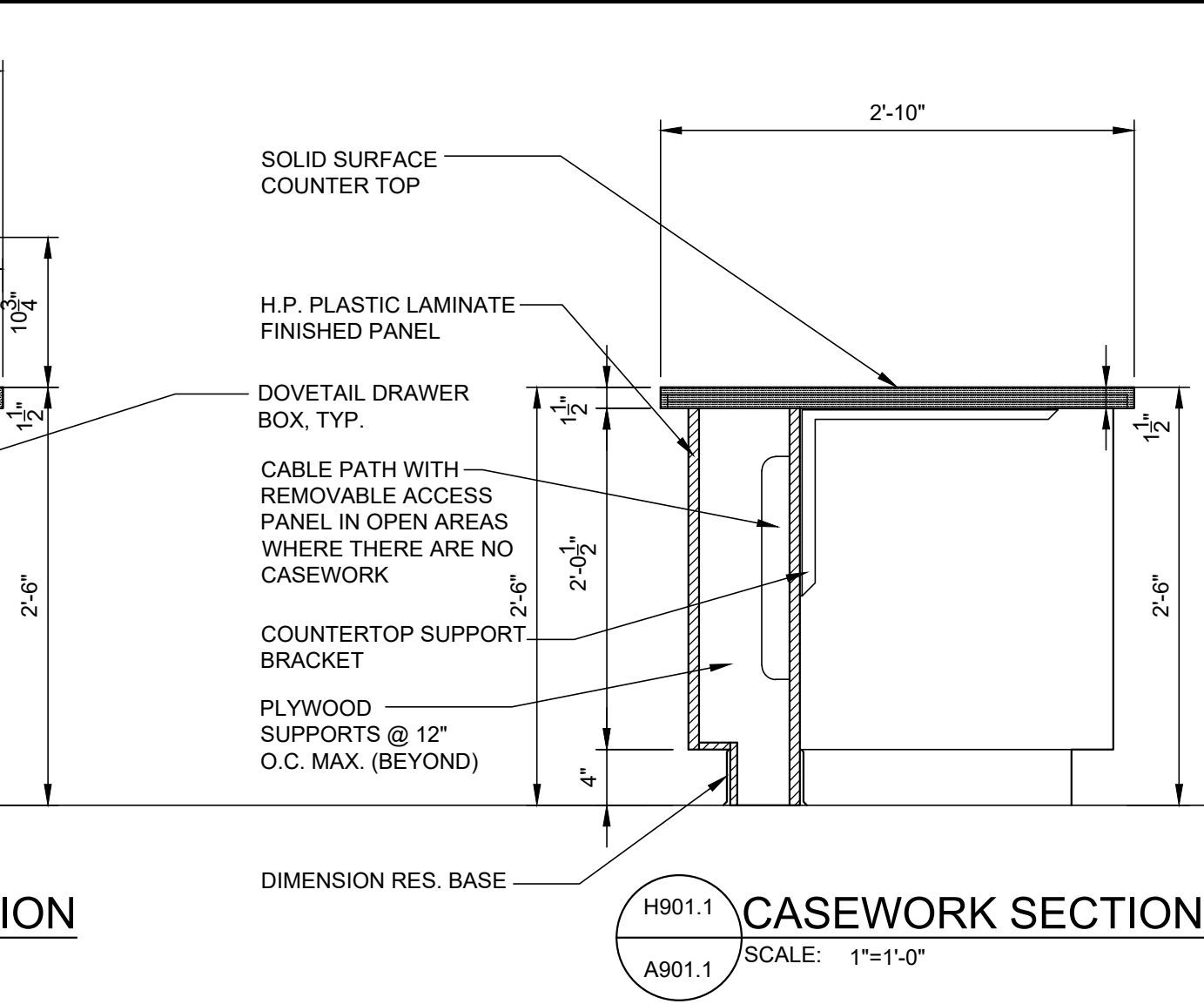
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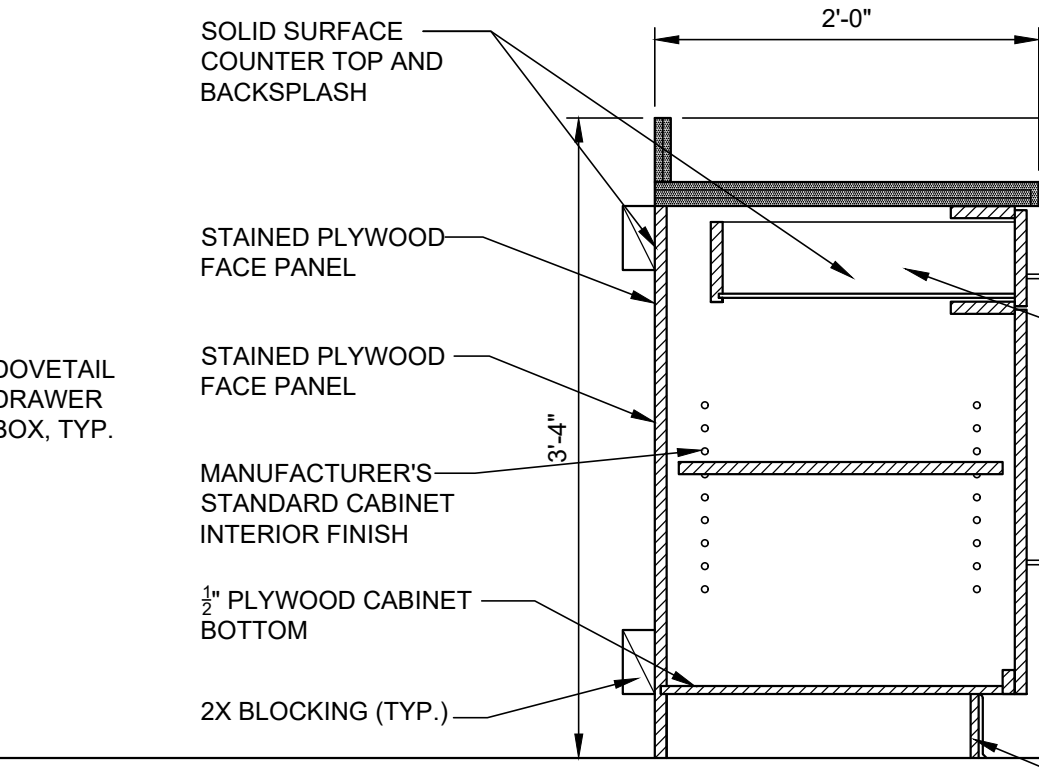
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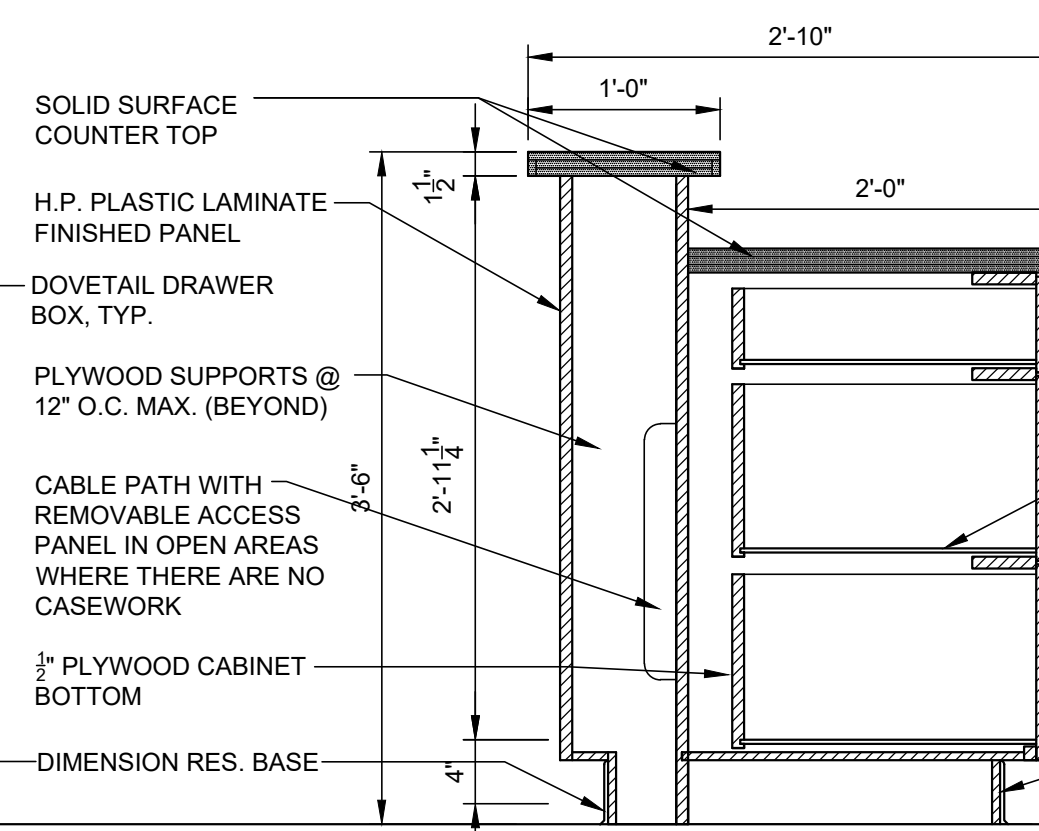
ALTERNATE 3 CASEWORK SECTION
SCALE: 1"=1'-0"



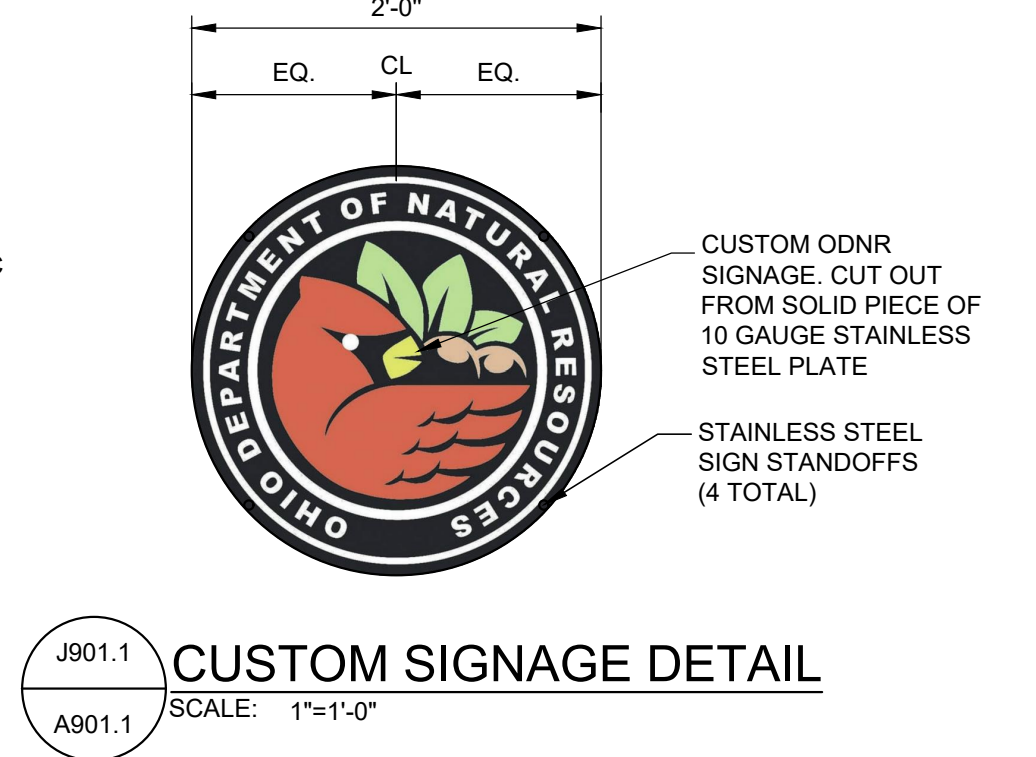
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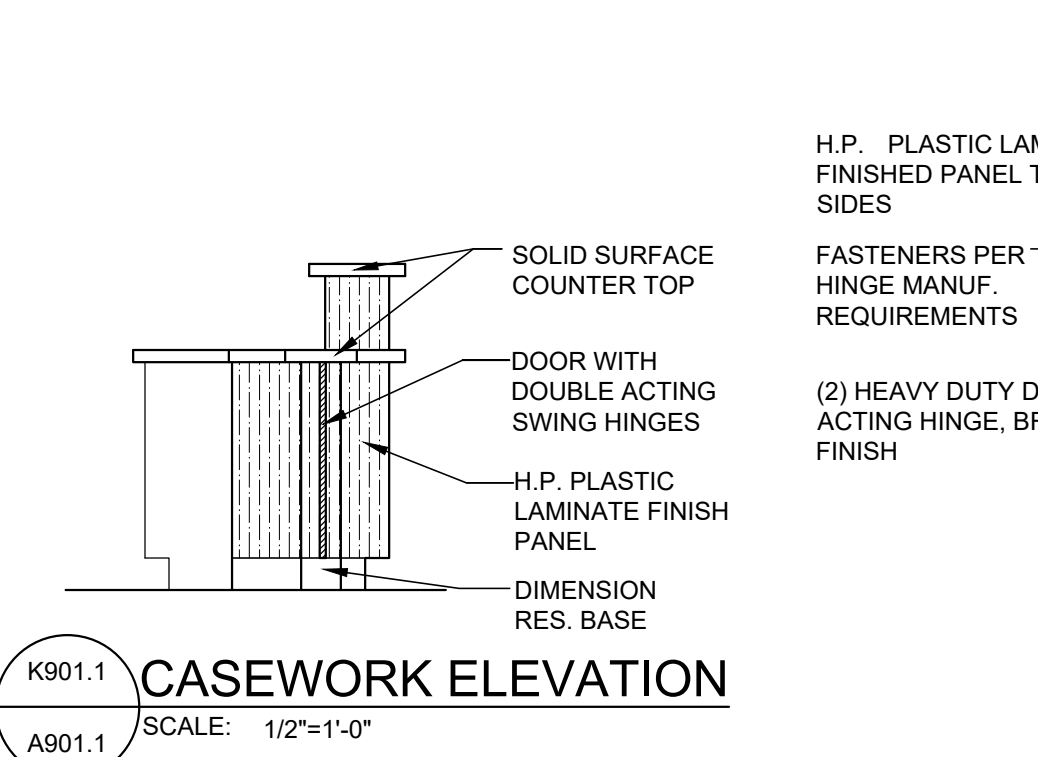
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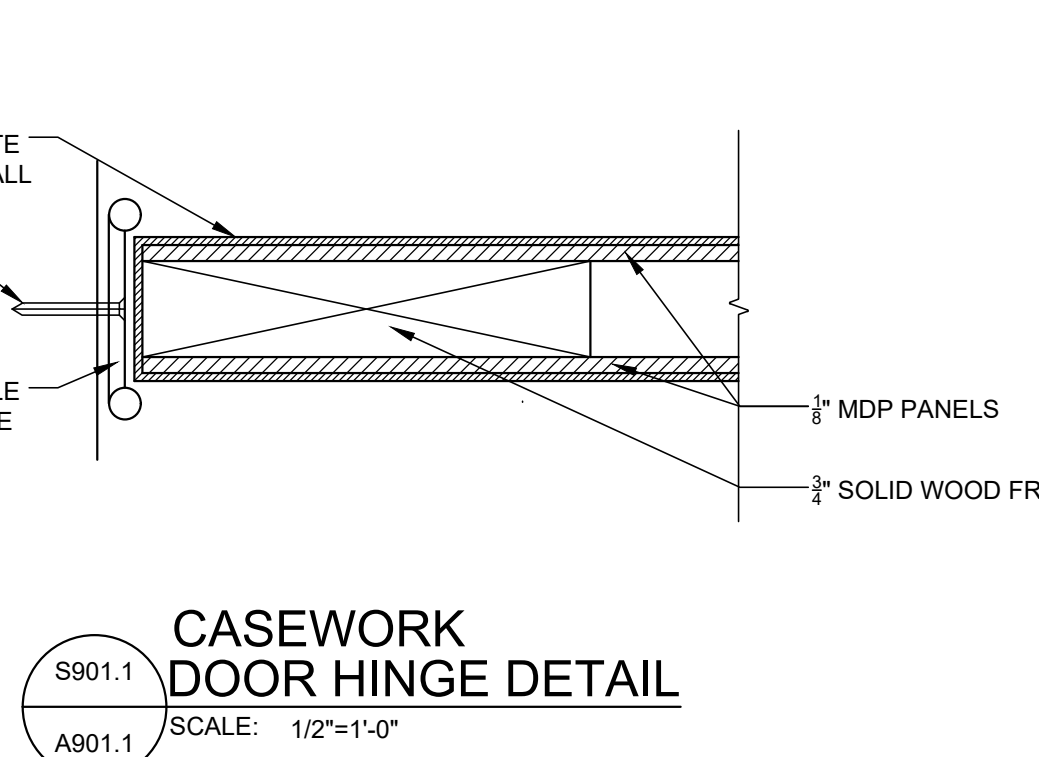
ALTERNATE 3 CASEWORK SECTION
SCALE: 1"=1'-0"



CUSTOM SIGNAGE DETAIL
SCALE: 1"=1'-0"



CASEWORK ELEVATION
SCALE: 1/2"=1'-0"



CASEWORK DOOR HINGE DETAIL
SCALE: 1/2"=1'-0"

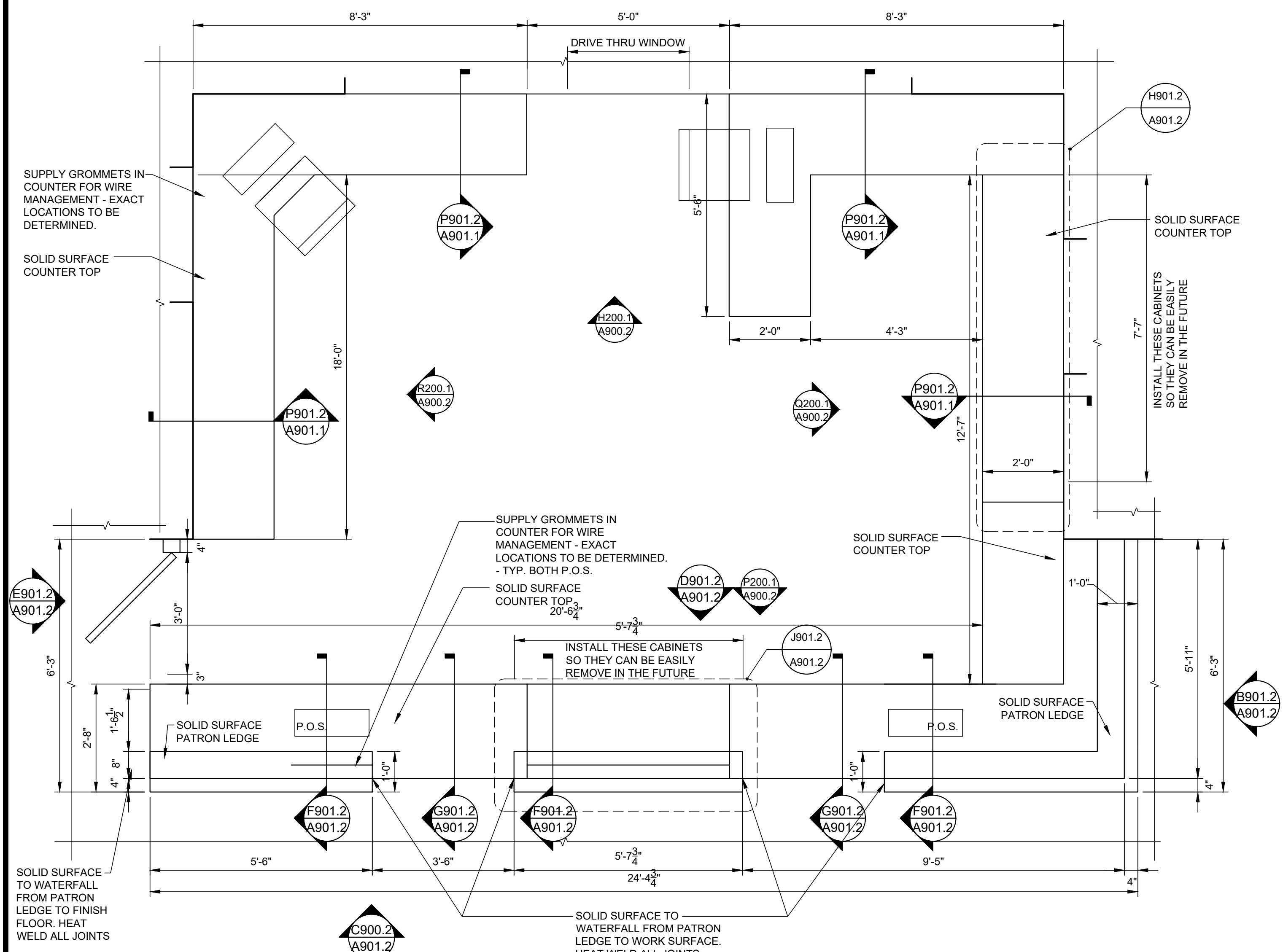


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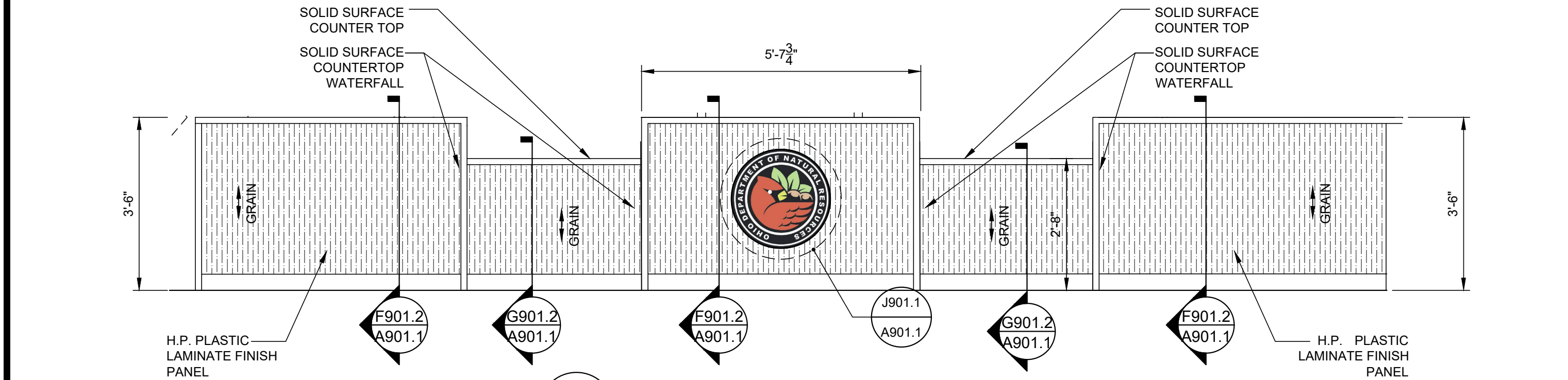
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3	CONSTRUCTION DOCUMENTS

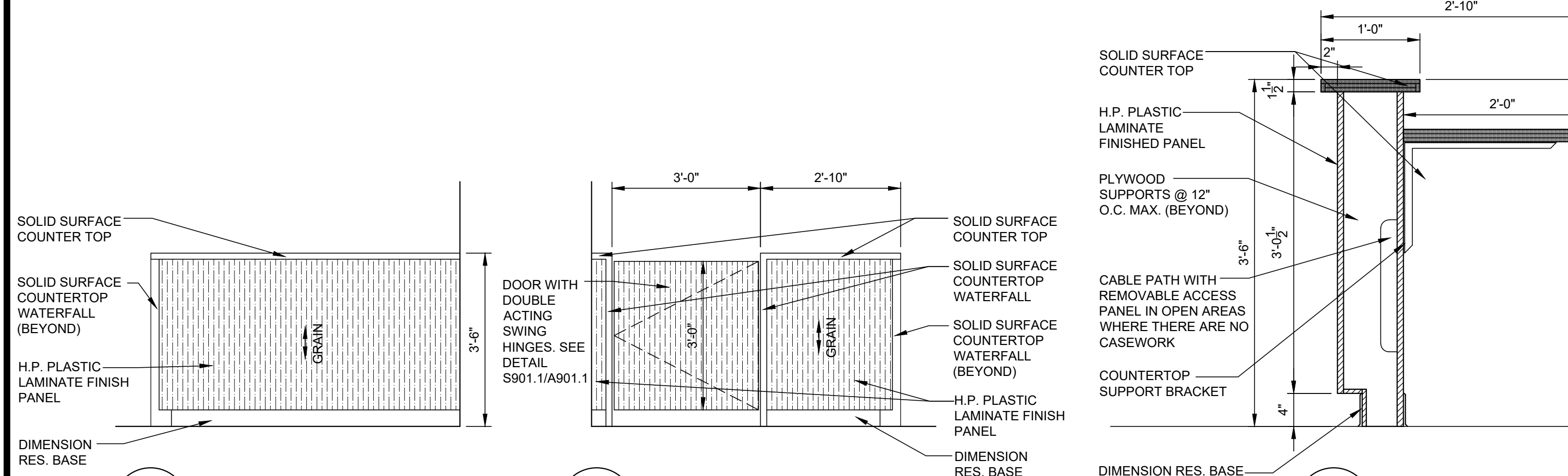
A901.1



COUNTER TOP PLAN BASE BID
 SCALE: 1/2"=1'-0"
 NOTE: PLAN HAS BEEN ROTATED ON THIS SHEET

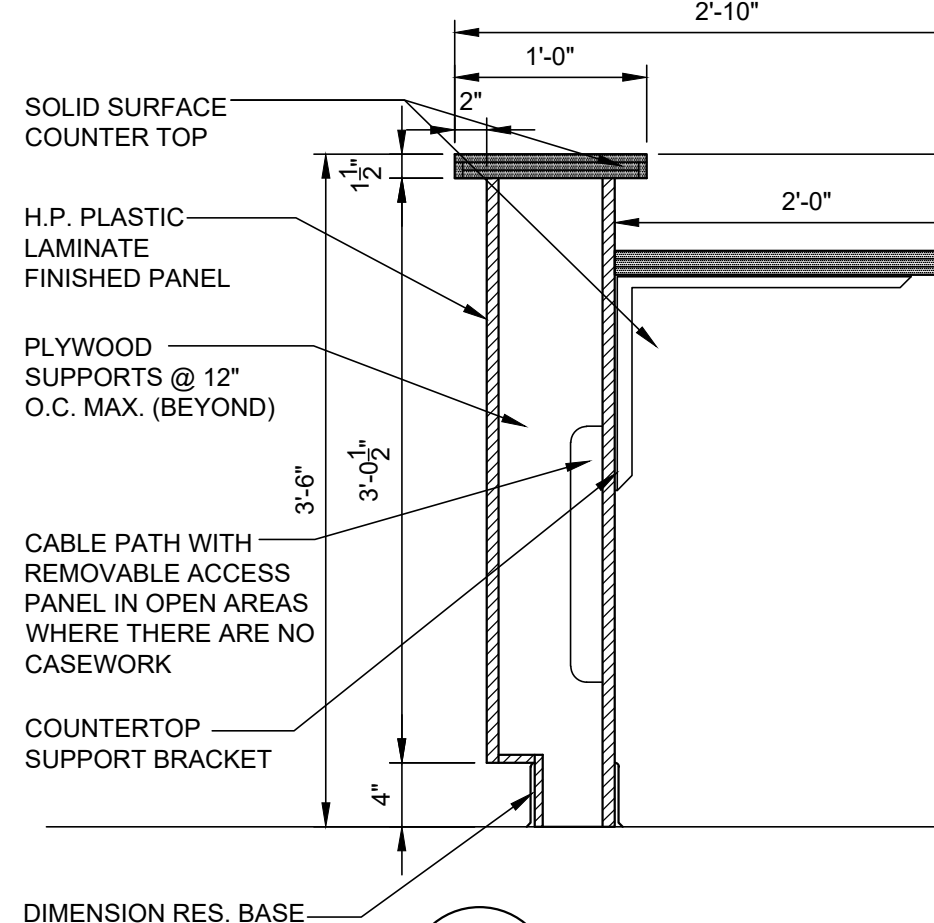


CASEWORK ELEVATION
 SCALE: 1/2"=1'-0"

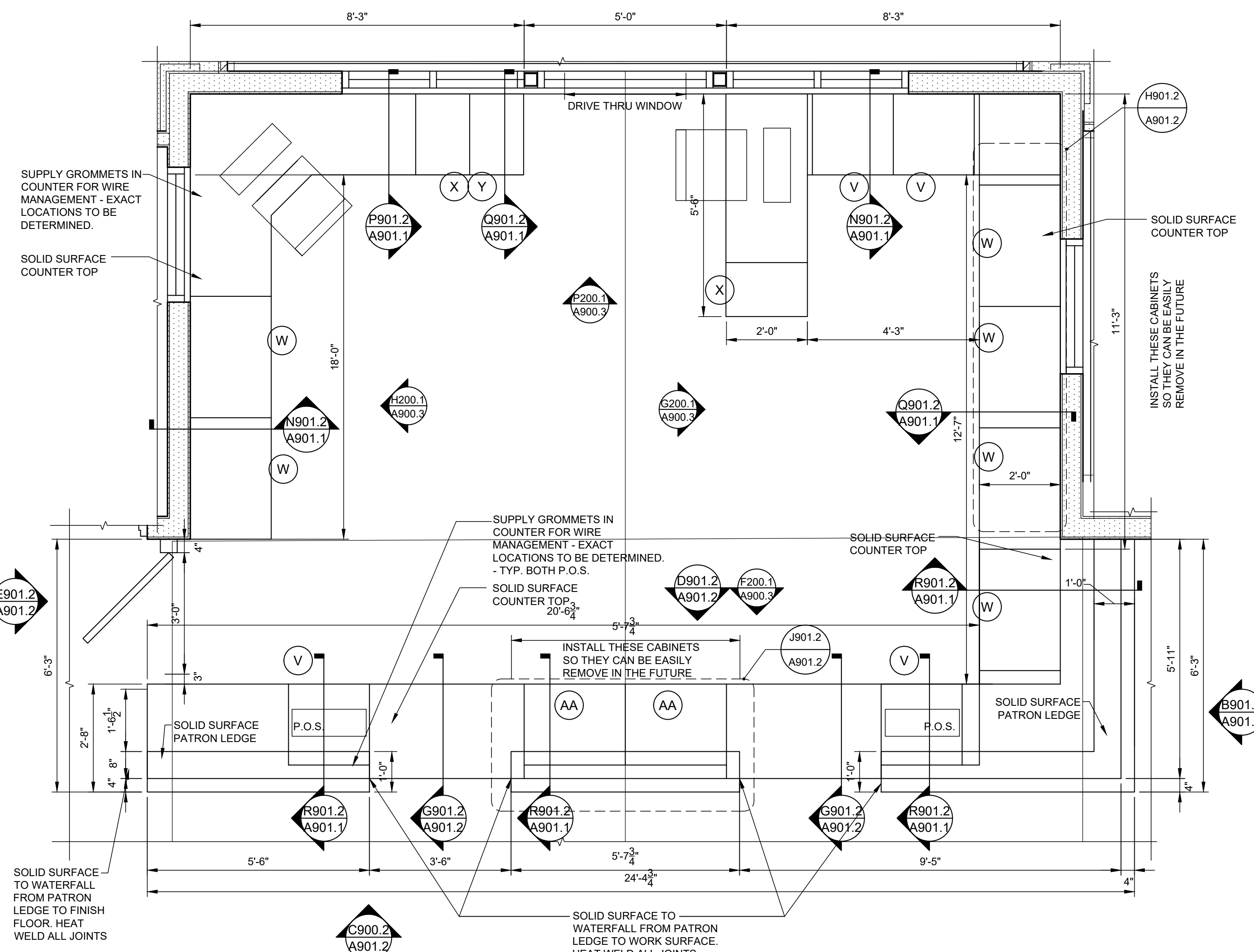


CASEWORK ELEVATION
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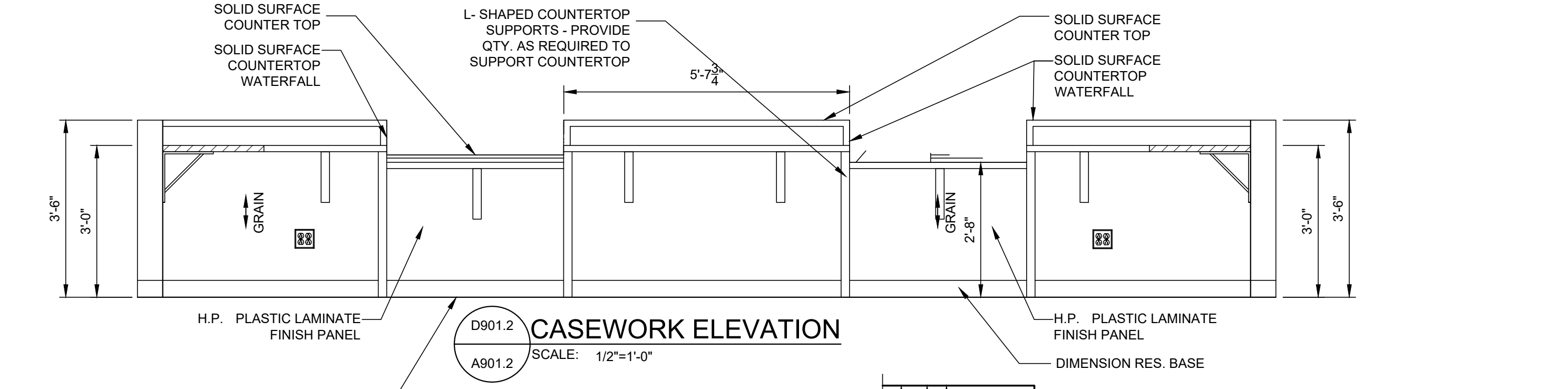
CASEWORK ELEVATION
 SCALE: 1/2"=1'-0"



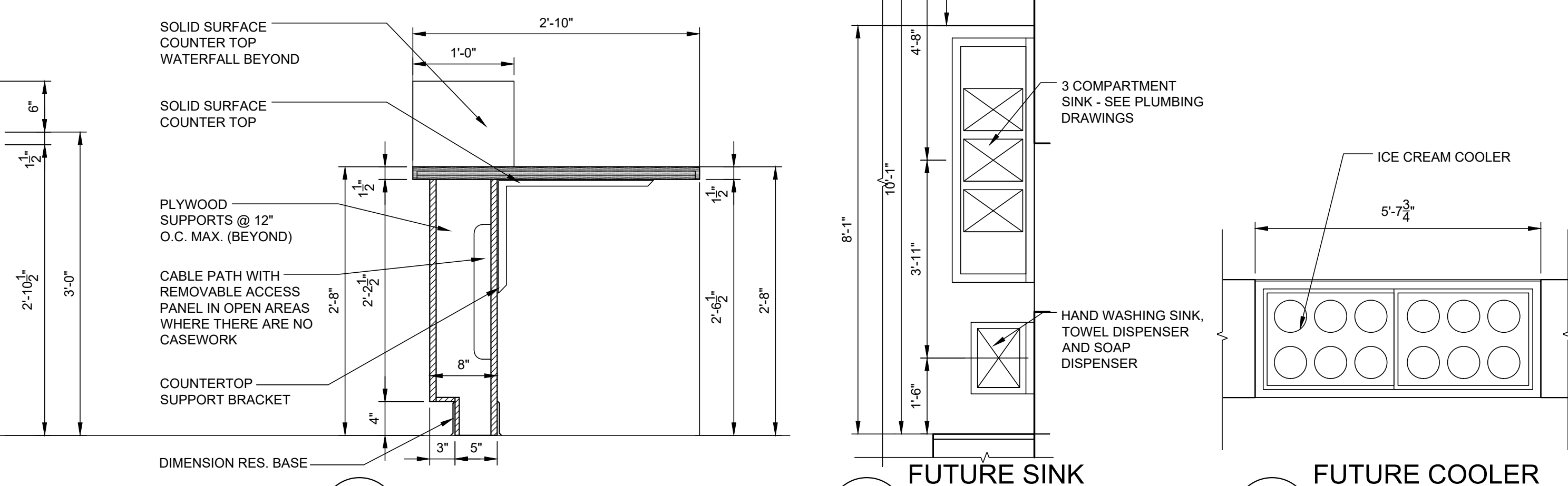
CASEWORK SECTION
 SCALE: 1"=1'-0"



ALTERNATE 3 COUNTER TOP AND CASEWORK PLAN
 SCALE: 1/2"=1'-0"
 NOTE: PLAN HAS BEEN ROTATED ON THIS SHEET



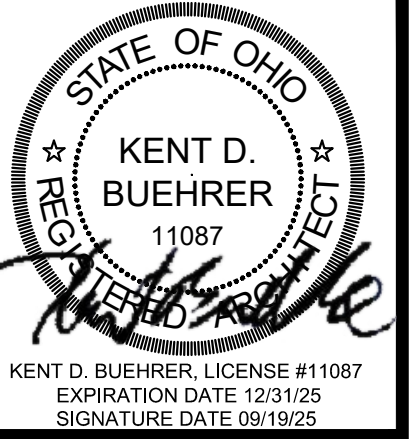
CASEWORK ELEVATION
 SCALE: 1/2"=1'-0"



CASEWORK SECTION
 SCALE: 1"=1'-0"

FUTURE SINK ROUGH IN PLAN
 SCALE: 1/2"=1'-0"

FUTURE COOLER ROUGH IN PLAN
 SCALE: 1/2"=1'-0"



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A901.2

SPECIAL INSPECTIONS:

1. PURSUANT TO CHAPTER 17 (SPECIAL INSPECTION & TESTING) OF THE OHIO BUILDING CODE OBC 2024, IN ADDITION TO THE REGULAR INSPECTIONS THE ARCHITECT ON BEHALF OF OWNER WILL RETAIN A TESTING AGENCY TO PERFORM SPECIAL INSPECTIONS ON THE ITEMS LISTED IN THE TABLE BELOW. CONTRACTOR TO PROVIDE ACCESS AND HAVE WORK AREAS READY FOR INSPECTION AS NEEDED.
2. TESTING AGENCY TO SUBMIT A LIST OF THEIR QUALIFIED SPECIAL INSPECTORS AND THEIR RESUMES AND/OR CERTIFICATION TO THE ARCHITECT/ENGINEER OF RECORD TO FILE WITH THE PLAN APPROVAL APPLICATION.
3. INSPECTIONS SHALL NOT RELIEVE THE CONTRACTOR FROM FULL RESPONSIBILITY FOR THE ACCURACY OF THE WORK AND ALL OF ITS DETAILS

SCHEDULE OF SPECIAL INSPECTION				
NO.	ITEM	REQUIRED	CONTINUOUS INSPECTION	PERIODIC INSPECTION
1	STRUCTURAL STEEL - OBC 1705.2			
	STEEL COLUMN CONNECTIONS TO WOOD BEAMS			X
2	CONCRETE CONSTRUCTION -OBC 1705.3			
	REINFORCING STEEL PLACEMENT			X
	CONCRETE PLACEMENT			X
	SAMPLING AND CONCRETE TESTING			X
	CONCRETE CURING TEMPERATURE AND TECHNIQUES			X
	ANCHOR RODS SIZE, POSITIONING AND EMBDMENT			X
3	MASONRY CONSTRUCTION -OBC 1705.4			
	MASONRY MORTAR JOINT			X
	MASONRY REINFORCEMENT AND CONNECTORS			X
	MASONRY GROUTING			X
	MASONRY ANCHORS AND TIES			X
4	WOOD CONSTRUCTION -OBC 1705.5			
	PREFABRICATED WOOD TRUSSES PLACEMENT			X
	WOOD SILL PLATE CONNECTIONS			X
	TRUSS CONNECTION AT BEARING			X
	WOOD COLUMN CONNECTIONS			X
	I-JOISTS CONNECTION AT BEARING			X
5	SOILS AND FOUNDATION -OBC 1705.6			
	SITE PREPARATION AND REMOVAL OF UNSUITABLE MATERIALS			X
	COMPACTED FILL MATERIALS, LIFT THICKNESS, DENSITY			X
	SOIL LOAD BEARING CAPACITY			X

GENERAL NOTES:

NOTE: GENERAL CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE SEQUENCE OF ERECTION PROCEDURES AND BRACING (SHORING) OF WALLS, FLOORS, ROOFS AND STRUCTURAL MEMBERS (BEAMS, COLUMNS, TRUSSES, ETC.) TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION TO COMPLETE THE PROJECT ACCORDING TO THE DRAWINGS AND SPECIFICATIONS

GENERAL NOTES:

- COORDINATE w/ ARCHITECTURAL FLOOR PLANS AND SECTIONS FOR ANY SLAB RECESSES REQUIRED FOR DOOR MATS, FLOORING, ETC...
- VERIFY LOCATIONS OF COLUMNS, WALLS, ETC. WITH THE ARCHITECTURAL DWG. BEFORE PLACING ANY FOUNDATIONS
- INSTALL SLEEVES THRU BLOCKS FOR ALL UNDERGROUND PIPES. SLEEVES TO BE PROVIDED BY THE REQUIRED CONTRACTOR.
- SAW CUT FLOOR SLABS INTO SECTIONS NOT GREATER THAN 15'-0"x15'-0". PROVIDE DIAMOND CUT AROUND ALL COLUMN LOCATIONS
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR MISC. CONCRETE PADS REQUIRED FOR INTERIOR MECHANICAL AND ELECTRICAL EQUIPMENTS.

WOOD CONSTRUCTION NOTES:

- ALL DIMENSION LUMBER AND HEAVY TIMBER SHALL COMPLY WITH THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION" NDS-2018
- ALL LOAD BEARING STUDS, DOOR HEADERS, WINDOW HEADERS AND DOUBLE & TRIPLE STUDS SHALL BE STRUCTURAL GRADE "SPRUCE-PINE-FIR" OR APPROVED EQUAL BENDING STRESS, Fb = 1300 PSI
SHEAR STRESS, Fv = 70 PSI
MODULUS OF ELASTICITY, E = 1,500,000 PSI
- LVL BEAMS: Fv=285 PSI, Fb=2900 PSI AND E=2,000,000 PSI
- ALL LOADBearing DOOR OPENINGS TO HAVE (2) 2X8 OR (3) 2X8 HEADERS UNLESS NOTED OTHERWISE ON THE FRAMING PLANS AND HEADER SCHEDULE
- ALL HEADERS TO BE SUPPORTED BY A MINIMUM OF (2)-2X4'S OR (2)-2X6'S STUDS @ EACH END UNLESS NOTED OTHERWISE.
- ALL LUMBER IN CONTACT WITH CONCRETE FLOOR SLABS OR CONCRETE BLOCK OR IN CONTACT WITH EARTH TO BE PRESSURE TREATED.
- ALL LUMBER TO BE A MAXIMUM OF 19% MOISTURE CONTENT.
- ALL WALL STUDS TO BE 16" O.C. UNLESS NOTED OTHERWISE.
- DO NOT NOTCH, BORE, OR CUT WOOD MEMBERS FOR PIPES, DUCTS, CONDUITS OR OTHER REASONS IN SUCH A MANNER AS TO HINDER THE STRUCTURAL CAPABILITY OR INTENDED USE. STRUCTURAL MEMBERS WHOSE STRENGTH IS IMPAIRED BY IMPROPER CUTTING OR DRILLING OR EXCESSIVE DEFECTS SHALL BE REPLACED OR REINFORCED.
- PROVIDE BLOCKING FOR WALL HUNG GRAB BARS, MIRRORS, WALL CABINETS, DRAPERY RODS, DOOR STOPS, ETC.
- PROVIDE A MIN. OF (2) LINES OF SOLID BLOCKING IN ALL EXTERIOR WALLS.
- SHEATHING FOR WALLS TO BE A MIN. OF 5/8" AND 3/4" FOR ROOF PLYWOOD OR OSB EXTERIOR APA-STRUCTURAL I GRADE. USE 8d COMMON NAILS AT 6" O/C AT EDGES AND 12" O/C AT INTERMEDIATES
- SUBMIT COMPLETE SHOP DRAWINGS FOR ALL WOOD PREFAB TRUSSES SHOWING MEMBER SIZES, SPECIES, GRADE, MOISTURE CONTENT, SPAN, DIMENSIONS, BRACING REQUIREMENTS AND LOADINGS. SHOP DRAWINGS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OHIO.
- SEE ROOF DESIGN LOADS AND SNOW DRIFT LISTED ON THIS SHEET ABOVE
- TRUSS MANUFACTURERS TO SUPPLY ANY STRAIGHT AND SKEWED HANGERS
- ALL PRE-ENGINEERED PRE-FABRICATED METAL PLATES CONNECTED TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED IN COMPLIANCE WITH "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION " ANSI/TPI1-2022
TYPICAL FOR ROOF TRUSSES: T/C LIVE LOAD = 25 PSF
T/C DEAD LOAD = 10 PSF
B/C DEAD LOAD = 10 PSF
DESIGN FOR SNOW DRIFT FROM HIGHER ROOF AREAS
-ALL TRUSSES TO BE DESIGNED IN ACCORDANCE WITH OBC -2024 & IBC -2021 AND NOT THE OHIO RESIDENTIAL CODE
- ALL DAMAGED TRUSSES SHALL BE REPAIRED AND/OR REPLACED AT NO COST TO OWNER.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL TEMPORARY BRACING ACCORDING TO THE RECOMMENDATIONS OF "BUILDING COMPONENT SAFETY INFORMATION" BCSI
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL PERMANENT BRACING ACCORDING TO THE TRUSS MANUFACTURER DESIGN, RECOMMENDATIONS AND AS SHOWN ON THE TRUSS PLANS

STRUCTURAL STEEL CONSTRUCTION NOTES

- DESIGN, FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH THE LATEST (A.I.S.C) ASD EDITION AND SPECIFICATIONS AS REFERENCED IN THE 2024 OHIO BUILDING CODE AND AISC 360-16
- FIELD BOLTS SHALL BE 3/4" DIA. STD. MACHINE BOLTS CONFORMING TO A.S.T.M. A325 UNLESS OTHERWISE NOTED.
- PROVIDE ALL BOLTS, ANCHORS, STRAPS, FASTENERS, AND SIMILAR ITEMS AS SHOWN ON THE DRAWINGS OR REQUIRED TO COMPLETE THE INTENDED WORK.
- ALL W SHAPES STEEL FRAMING SHALL BE FABRICATED FROM (ASTM A992 - FY= 50 KSI)
ALL M, MC, S, C, ANGLES, PLATES AND BARS FROM (A36 STEEL).
ALL SQUARE & RECTANGULAR HSS TUBING - A500 GRADE B (FY = 46 KSI).
ALL ROUND SHAPES HSS TUBING - A500 GRADE B (FY = 42 KSI)
ALL ANCHOR RODS FOR BASE PLATES - ASTM F1554 GRADE 36 U.N.O.
- ALL WELDING ELECTRODES SHALL BE E-70XX AND IN ACCORDANCE WITH AMERICAN WELDING SOCIETY AWS D1.1
- ALL L'S , PL'S AND FLANGES CARRYING WALLS EXPOSED TO VIEW SHALL BE COPED FOR MORTAR COVER.
- ALL STEEL WORK, BEFORE LEAVING SHOP TO HAVE TWO GOOD COAT OF PAINT
- PROVIDE AND INSTALL ANY MISC. SCREED ANGLES FOR SUPPORT OF ROOF OR FLOOR OPENINGS AND SLAB EDGES WHERE REQUIRED.
- DO NOT CUT IN FIELD OR MODIFY ANY STRUCTURAL STEEL MEMBER WITHOUT APPROVAL FROM ENGINEER

CONCRETE CONSTRUCTION NOTES

- ALL CONCRETE SHALL COMPLY WITH SPECIFICATIONS AND STD 6"x12" CYLINDERS SHALL TEST 4000 psi MINIMUM AT AGE OF 28 DAYS, FOR FLOORS AND 3000 PSI FOR FOOTINGS.
- EXTERIOR CONCRETE WALKS AND CURBS SHALL COMPLY WITH SPECIFICATIONS AND STD 6"x12" CYLINDERS SHALL TEST 4000 PSI AIR-ENTRAINED MINIMUM AT AGE OF 28 DAYS. WALKS SHALL B4 4" THICK W/HAVE 6"x6" -W2.1XW2.1 WELDED WIRE FABRIC PLACED AT MID DEPTH.
- REINFORCING BARS, UNLESS OTHERWISE SPECIFIED, SHALL MEET THE LATEST ASTM A615 GRADE 60. BARS TO BE PLACED PER LATEST ACI STANDARDS.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185, AND SHALL BE FURNISHED AND PLACED IN FLAT SHEETS.
- MINIMUM CONCRETE COVERS FOR REINFORCING BARS SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
CONCRETE SLABS AND JOISTS 3/4"
FORMED SURFACED EXPOSED TO WEATHER 1-1/2" FOR #5 BARS AND SMALLER ON EARTH 2" FOR #6 AND LARGER
CONCRETE DEPOSITED AGAINST GROUND 3"
6. WIRE FABRIC REINFORCING SHALL LAP ONE FULL MESH AT SIDES AND END LAPS AND SHALL BE WIRED TOGETHER AT LAPS.
7. SLABS SHALL HAVE OPENINGS VERIFIED BY MECHANICAL AND ELECTRICAL CONTRACTORS BEFORE PLACING REINFORCING AND CONCRETE.
8. CONCRETE SLABS ON GROUND SHALL BE PLACED ON BASE PER SPECIFICATIONS.
9. CONCRETE DESIGN AND REINFORCING IS BASED ON "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-2019)
10. ALL INTERIOR U.N.O. CONCRETE SLABS ON GRADE SHALL BE 4" THICK REINFORCED WITH W/6X6-W2.1XW2.1 WWF PLACED AT MID DEPTH USING REBAR CHAIRS AT A MAXIMUM OF 3' O/C. FLOATING MESH IN PLACE OR PULLING MESH UP WILL NOT BE ACCEPTABLE.
11. WHERE CONTINUOUS BARS ARE CALLED FOR, THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS AND LAPPED AT NECESSARY SPLICES, AND HOOKED AT DISCONTINUOUS ENDS.
12. WALLS, PIERS, AND COLUMNS SHALL BE DOWELED TO FOOTINGS. WALL FOOTINGS AND CONCRETE COLUMN DOWELS SHALL BE SAME SIZE AS WALL AND COLUMN VERTICALS.
13. LAP ALL BARS SPLICES 24 BAR DIAMETERS MINIMUM (UNLESS OTHERWISE CALLED FOR) BUT NOT LESS THAN 12".
14. CONTRACTOR TO SUBMIT REBAR SHOP DRAWINGS SHOWING REBAR SIZES, GRADES, PLACEMENTS, BRACING DETAILS PREPARED ACCORDING TO THE LATEST ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT".

MASONRY CONSTRUCTION NOTES

- MASONRY DESIGN IS BASED ON "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (TMS 402-2016)
- HOLLOW CONCRETE MASONRY UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF (2,000 PSI) AND MASONRY STRENGTH OF A MINIMUM, (fm=2,000 PSI) AND MEETS ASTM C-90 REQUIREMENTS
- MORTAR SHALL MEET REQUIREMENTS OF ASTM C-270 TYPE "S" 1,800 PSI TEST AT 28 DAYS.
- USE COARSE GROUT FOR FILLING CONCRETE MASONRY UNITS, 2,500 PSI TEST 28 DAYS.
- USE SOLID OR CONCRETE FILLED MASONRY UNITS ALL MEMBERS BEARING MASONRY. USE HOLLOW MASONRY UNITS FILLED WITH CONCRETE FOR WALLS RECEIVING ANCHORS.
- NO CHASES, RISERS, CONDUITS, OR TOOTHING IN MASONRY WALLS SHALL OCCUR WITHIN 2'-0" OF A BEARING OR OTHER LOAD CONCENTRATION.
- DO NOT LAY MASONRY IN FREEZING WEATHER UNLESS SUITABLE MEANS ARE PROVIDED TO HEAT MATERIALS PROTECT WORK FROM COLD AND FROST AND INSURE MORTAR WILL CURE WITHOUT FREEZING.
- MASONRY WALLS SHALL HAVE HORIZONTAL WIRE REINFORCING AT 16" VERTICAL CENTERS EQUAL TO LADDER TYPE AS MADE BY HOHMANN & BERNARD INC. OR EQUAL. COMPLYING WITH ASTM A951
- MASONRY CORNERS SHALL HAVE HORIZONTAL CORNER REINFORCING AT 16" VERTICAL CENTERS EQUAL TO LADDER/CORNER TYPE AS MADE BY HOHMANN & BERNARD INC. OR EQ. COMPLYING WITH ASTM A951
- PROVIDE LAP LENGTHS AT SPLICES EQUALS TO VALUES SHOWN IN THE LAP SPLICE TABLE ON THIS SHEET.
- MASONRY WALLS SHALL BE SOLID GROUTED UNDER ALL COLUMN BEARING POINTS AND AT THE END OF ALL BEAMS 6' AND LONGER. TWO 8" CORES SIDE BY SIDE SHALL BE SOLID GROUTED WITH 1-#5 REBAR IN EACH CORE. GROUT CORE SOLID FROM FOUNDATION TO BEARING POINT.
- DOWEL #3X12" LONG REBAR EVERY OTHER COURSE TO TIE MASONRY TO ALL CONCRETE PIERS
- TIE ALL MASONRY WALLS TO STEEL COLUMNS WITH ADJUSTABLE 1/4" DIAM. TIESX9" STRAPS WITH 3/16" DIAMETER TRIANGULAR TIES AT 16" O/C.
- THE BEARING OF AT LEAST ONE END OF DOOR AND WINDOW LINTELS SHOULD BE BUILT TO SLIDE. PLASTIC OR BITUMINOUS SHEETS OR EQUAL MATERIALS SHOULD BE USED FOR A SLIP PLATE. IF STEEL BEARING PLATES ARE USED, ONE END NOT TO BE WELDED.
- PROVIDE VERTICAL REINFORCING BARS AS CALLED FOR ON THE PLANS. PROVIDE A BAR AT ALL CORNERS AND AT EACH SIDE OF CONTROL JOINTS MATCHING THE WALL REINFORCEMENT
- PILASTERS AND MASONRY PIERS TO BE LAID UP SIMULTANEOUSLY AND BONDED INTO ADJOINING MASONRY
- THE TOP MASONRY COURSE OF ALL WALLS TO BE A BOND BEAM REINFORCED W/2#5 CONTINUOUS REBAR.
- GROUT FULL MASONRY BLOCK AT ALL WINDOW AND LOUVER SILLS.
- BEARING WALLS CORNERS SHALL BE BUILT IN RUNNING BOND. SEE TYPICAL MASONRY BOND BEAM DETAILS.
- VERTICAL REBAR IN MASONRY TO BE HELD IN PLACE USING HOT DIPPED GALVANIZED 9 GAUGE REBAR POSITIONERS BY HOHMANN & BARNARD INC. OR APPROVED EQUAL.
- PROVIDE HOT-DIPPED GALVANIZED TIES BETWEEN ALL MASONRY BLOCKS AND STEEL BEAMS WEBS.

GENERAL STRUCTURAL NOTES

GOVERNING CODE: OHIO BUILDING CODE, OBC-2024
BASED ON INTERNATIONAL BUILDING CODE, IBC-2021 - ASCE/SEI 7-16

PROJECT LOCATION: GRAND LAKE ST. MARYS STATE PARK
834 EDGEWATER DRIVE
ST. MARY'S , AUGLAIZE COUNTY, OHIO 45885

- FOUNDATIONS ARE BASED ON A SAFE CARRYING CAPACITY OF 2000 PSF FOR SPREAD FOOTINGS AND CONTINUOUS WALL FOOTINGS. AFTER EXCAVATION IS COMPLETED AND BEFORE ANY FOUNDATIONS ARE CONSTRUCTED, CONTRACTOR SHALL COMPACT AND EXAMINE THE SOIL. IF THERE IS DOUBT ABOUT ITS ABILITY TO CARRY THIS AMOUNT OF LOAD HE SHALL BRING TO THE ATTENTION OF THE ENGINEER/ARCHITECT. REFER TO THE GEOTECHNICAL SUBSURFACE REPORT BY VERDANTAS DATED MAY 2025
- DESIGN LIVE LOADS: ROOF 20 PSF (minimum)
1ST FLOOR - SLAB ON GRADE 150 PSF (minimum)
MEZZANINE (STORAGE & MECHANICAL) 80 PSF
PLATFORM ABOVE MEZZANINE 30 PSF

3. SNOW DESIGN DATA:

- Pg =20 PSF (GROUND SNOW LOAD)
- Pf (min.) SLOPED =12.6 PSF
- Ce= 0.9 (SNOW EXPOSURE FACTOR - PARTIALLY EXPOSED)
- Ct= 1.0 (SNOW THERMAL FACTOR)
- Is= 1.0 (SNOW IMPORTANCE FACTOR)
- SNOW DRIFT LOADS WERE INCLUDED IN THE DESIGN (Max. Snow Drift Load , Pd = 33.2 PSF , Wdr= 9.93")

4. WIND DESIGN DATA:

- BASIC WIND SPEED = 107 MPH
- BUILDING RISK CATEGORY-II
- EXPOSURE CATEGORY "D"
- GCpf= +/- 0.18 (INTERNAL PRESSURE COEFFICIENT)
- MAX. VELOCITY PRESSURE, qh= + 26.98 PSF
- MAX. WALL COMPONENTS & CLADDING DESIGN PRESSURE: (AT MAIN), p = +31.93 PSF & -34.63 PSF (AT CORNERS), p = +31.93 PSF & - 42.78 PSF
- MAX. ROOF COMPONENTS & CLADDING DESIGN PRESSURE: (AT EDGES), p = +23.81 PSF & -53.60 PSF (AT CORNERS), p = +23.81 PSF & -75.24 PSF

NOTE: (-) INDICATES WIND PRESSURE ACTING AWAY FROM THE SURFACE
(+) INDICATES WIND PRESSURE ACTING TOWARD THE SURFACE

5. SEISMIC DESIGN DATA:

- BUILDING OCCUPANCY RISK CATEGORY II
- SEISMIC IMPORTANCE FACTOR, Ie = 1.0
- MAPPED SPECTRAL RESPONSE ACCELERATIONS: Ss (Short period)= 0.229 S1 (1-Second period) = 0.072
- SPECTRAL RESPONSE COEFFICIENTS: Sds (Short period) = 0.245 Sd1 (1-Second period) = 0.116
- SITE CLASS "D"- STIFF SOIL. SEE VERDANTAS SOIL REPORT SECTION 5.7 -SEISMIC CONSIDERATIONS
- SEISMIC DESIGN CATEGORY "B"
- BASIC SEISMIC-FORCE RESISTING SYSTEM:
 - BEARING WALL SYSTEM - LIGHT-FRAMED WALL SHEATHED WITH WOOD STRUCTURAL SHEAR PANELS
 - SEISMIC RESPONSE COEFFICIENT,Cs=0.02
 - RESPONSE MODIFICATION FACTOR, R=6.5
- (H) ANALYSIS PROCEDURE:
 - EQUIVALENT LATERAL FORCE PROCEDURE

FOUNDATION AND SOIL NOTES

- ANY STRUCTURAL FILL PLACED BELOW FOUNDATION AND SLAB ON GRADE SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM MODIFIED PROCTOR DENSITY.
- STRUCTURAL FILL SHOULD BE PLACED IN LIFTS OF 6 TO 8 INCHES LOOSE MEASURE, IF HAND-OPERATED COMPACTION EQUIPMENT IS USED, THE LEFT THICKNESS SHALL BE REDUCED TO 3 TO 4 INCHES.
- THE CONTRACTOR SHALL MEET ALL OSHA EXCAVATIONS AND TRENCH SAFETY STANDARDS SLOPE HEIGHTS, SLOPE INCLINATION, ETC..
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS, METHODS AND SEQUENCE OF CONSTRUCTION OPERATION.
- PROTECT BOTTOM OF FOUNDATIONS AGAINST FREEZING. WATER SHOULD NOT BE ALLOWED TO POND IN THE EXCAVATION.
- COORDINATE WITH SITE/CIVIL DRAWINGS FOR ALL UNDERGROUND UTILITY LINES LOCATIONS BEFORE EXCAVATIONS OR POURING CONCRETE .
- PROVIDE A BALANCED BACKFILL AGAINST FOUNDATION WALLS TO ELIMINATE ANY LATERAL LOADS OR PROVIDE LATERAL SUPPORT AS NEEDED
- FROST DEPTH AT A MINIMUM OF 3'-6" (42")
- GENERAL CONTRACTOR TO REVIEW SOIL REPORT BY VERDANTAS DATED MAY 2025 FOR RECOMMENDATIONS ON SITE AND SUBGRADE SOIL CONDITION AND PREPARATION
- ANY SOFT SOIL OR LOOSE SOIL ZONES ENCOUNTERED AT THE BOTTOM OF THE FOOTING EXCAVATION SHALL BE REMOVED DOWN TO GOOD NATURAL SOILS AND REPLACED WITH 1500PSI LEAN CONCRETE
- THE BEARING SURFACE AT THE BOTTOM OF ALL FOOTING EXCAVATION SHALL BE INSPECTED DURING CONSTRUCTION BY A GEOTECHNICAL ENGINEER OR QUALIFIED REPRESENTATIVE
- GENERAL CONTRACTOR TO PROVIDE ANY DEWATERING SYSTEM, PUMPS NEEDED TO REMOVE ANY WATER FROM THE BOTTOM OF EXCAVATION

STRUCTURAL LEGEND

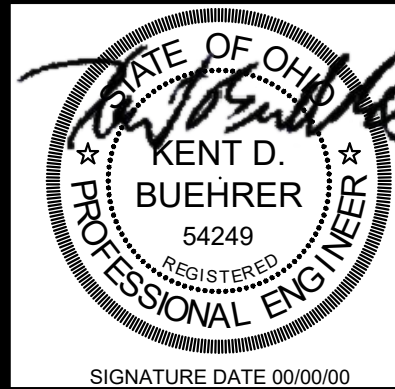
B/BRG. = BEAM BEARING
BPF = BASE PLATE
BRG. = BEARING
B/S = BOTH SIDES
B/FTG. = BOTTOM OF FOOTING
CL/CL = CENTER TO CENTER
C.M.U. = CONCRETE MASONRY UNIT
CONC. = CONCRETE
CONT. = CONTINUOUS
COORD. = COORDINATE

DIA. or ~ = DIAMETER
E/S = EACH SIDE
E.C. = ELECTRICAL CONTRACTOR
ELEV. = ELEVATION
EQ. = EQUAL
F# = COLUMN FOOTING NUMBER
F/FLR. = FINISH FLOOR
FND. = FOUNDATION
GA. = GAUGE
GALV. = GALVANIZED

G.C. = GENERAL CONTRACTOR
I.C.F. = INSULATED CONCRETE FORMS
IN/IN = INSIDE TO INSIDE
PRE-FAB LGST= PRE-FABRICATED LIGHT GAUGE STEEL TRUSS
M.C. = MECHANICAL CONTRACTOR
MTL. = METAL
MISC. = MISCELLANEOUS
M.O. = MASONRY OPENING
PL. = PLATE

P.C. = PLUMBING CONTRACTOR
PR# = CONC. PIER #
O.C. = ON CENTER
O/O = OUTSIDE TO OUTSIDE
O.H. = OVER HANG
REINF. = REINFORCED
SLP. = SLOPE
ST. = STEEL

STP. FTG. = STEP FOOTING
T&B = TOP AND BOTTOM
T/FTG. = TOP OF FOOTING
T/ST. = TOP OF STEEL
TYP. = TYPICAL
U.N.O. = UNLESS NOTED OTHERWISE
W.W.F. = WELDED WIRE FABRIC
W/ = WITH
W/O = WITHOUT



GLSM PARK OFFICE
FOR
OHIO DEPARTMENT OF NATURAL
RESOURCES DNR-250013
AUGLAIZE COUNTY,
OHIO

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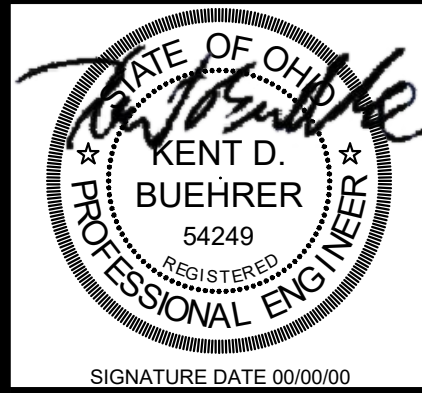
REVISION SCHEDULE

ISSUE DATE: 09/19/2025

JOB NUMBER: 241224

CONSTRUCTION DOCUMENTS

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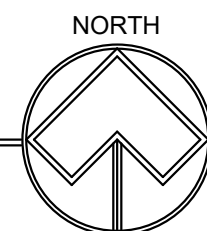
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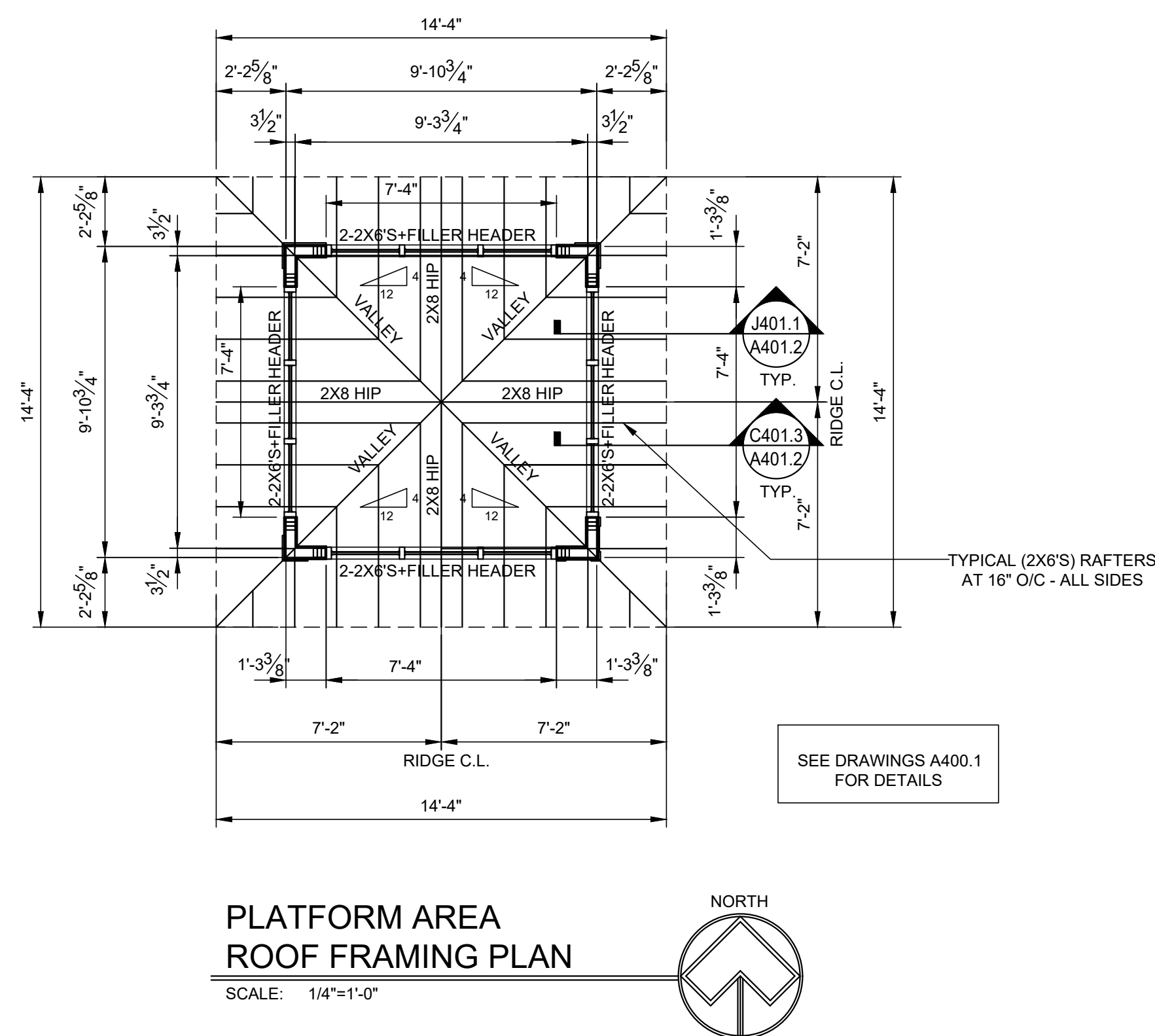
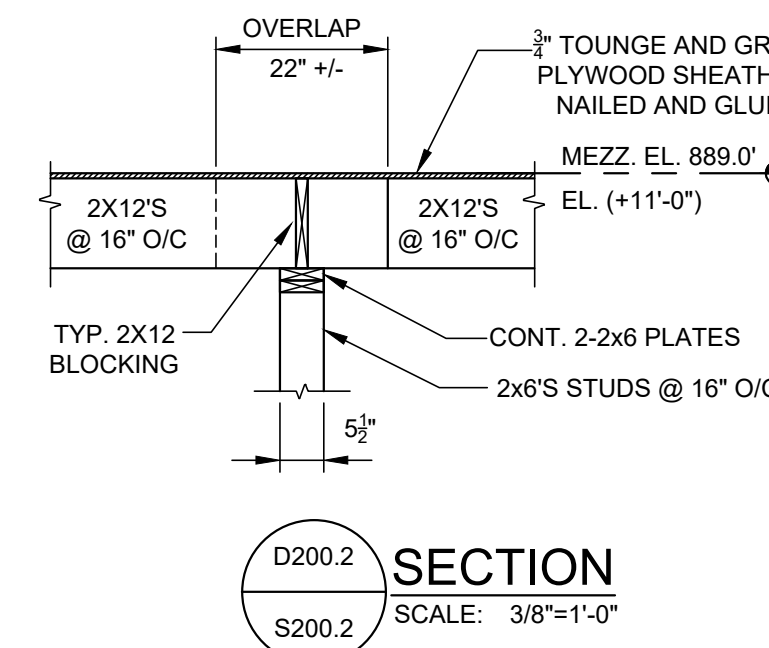
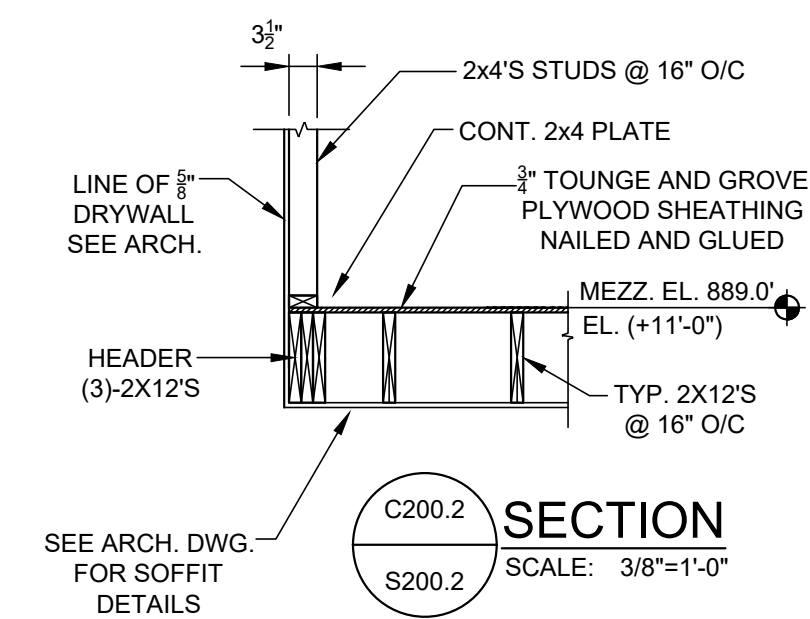
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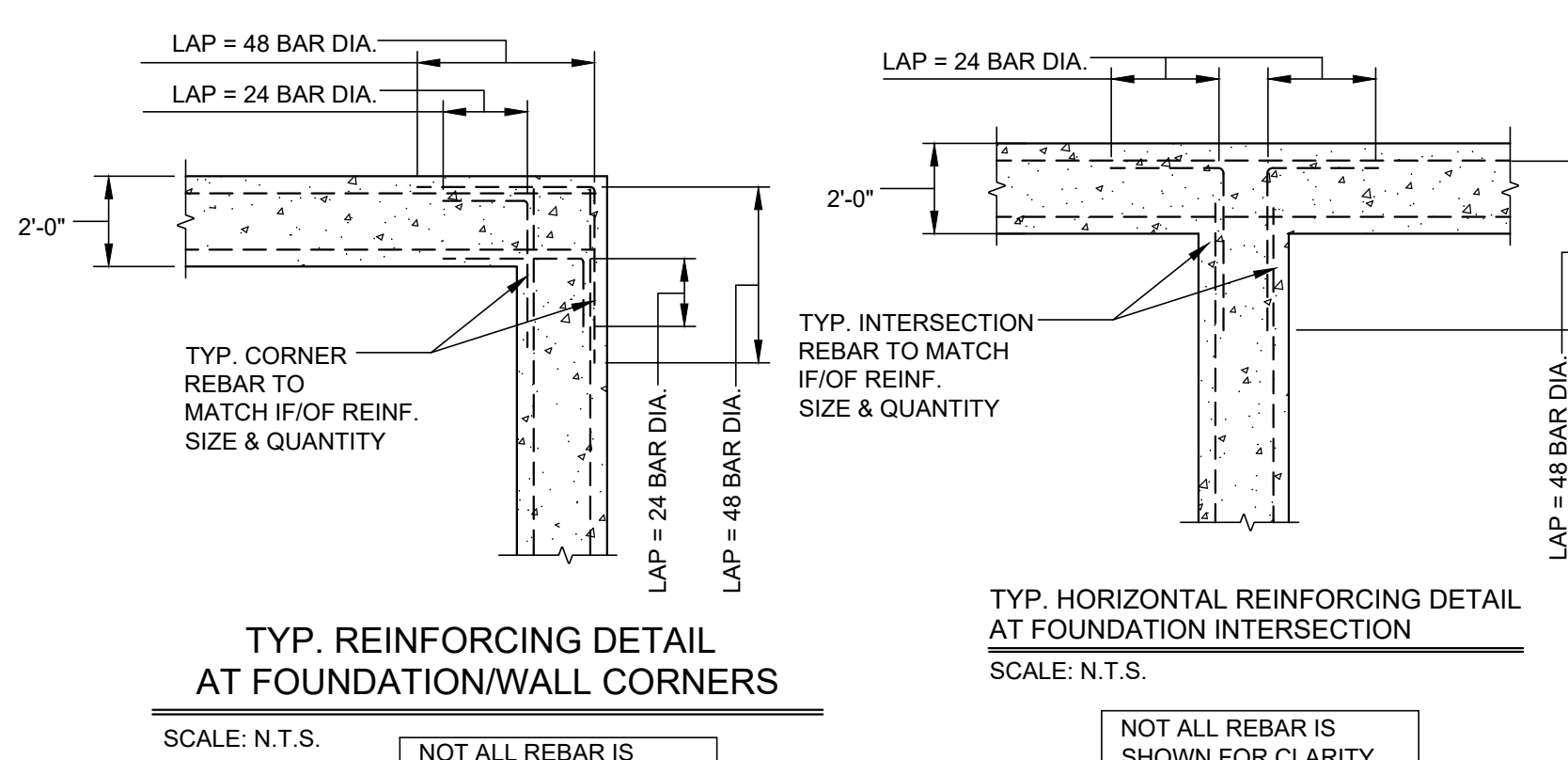
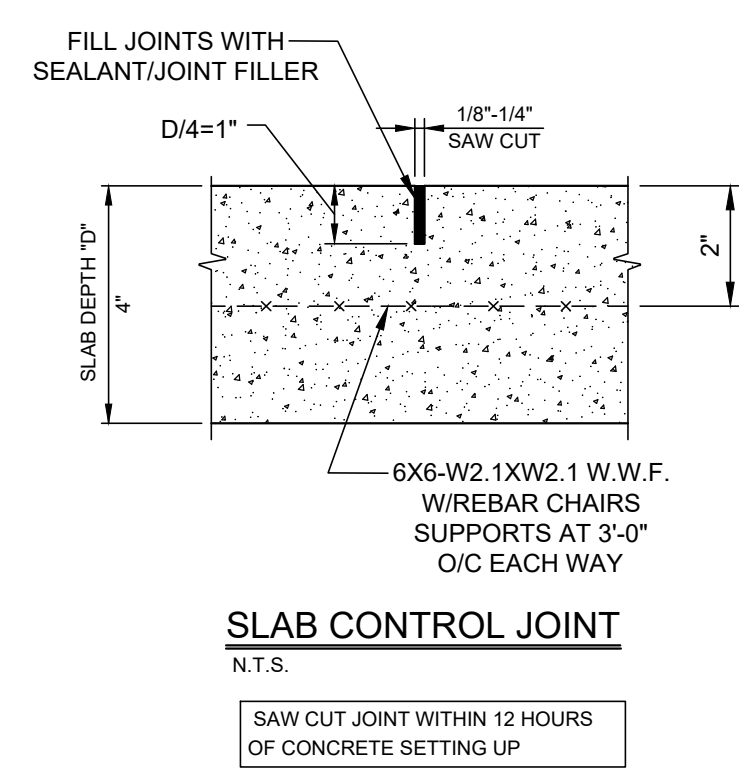
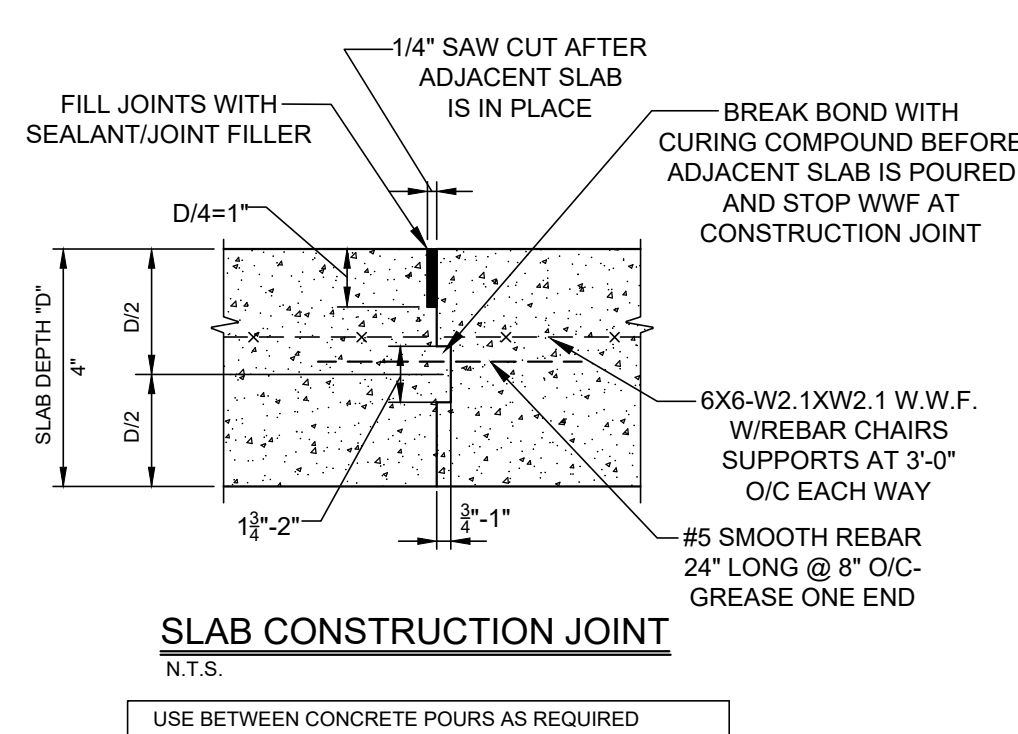
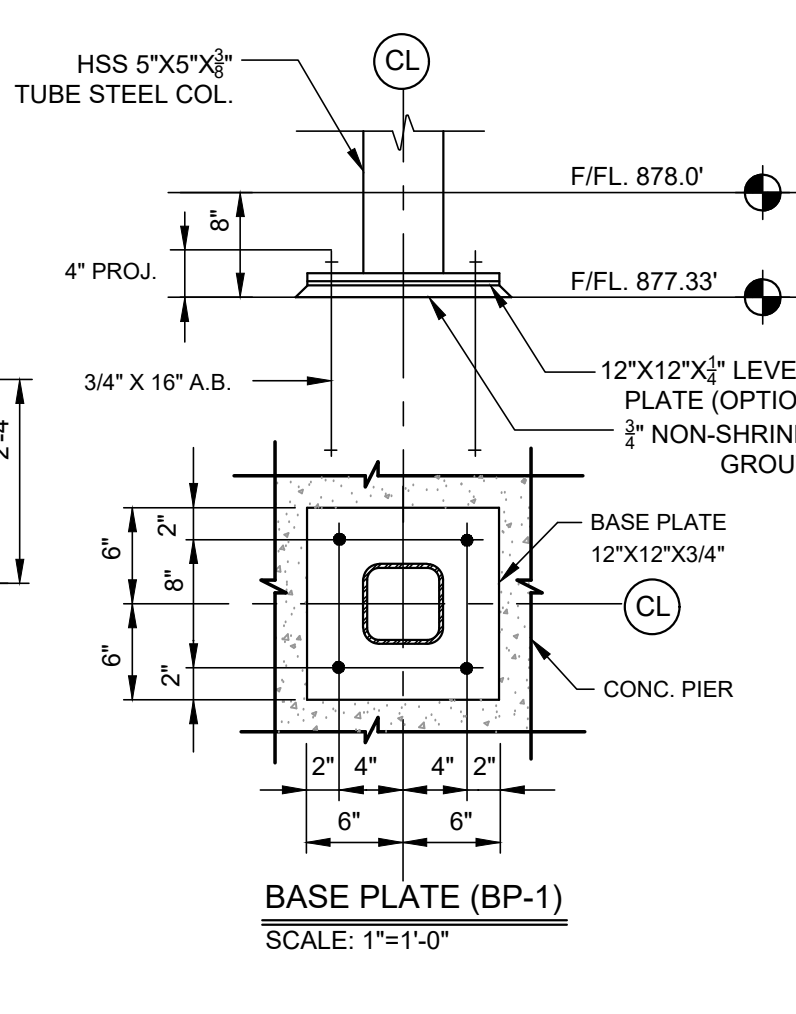
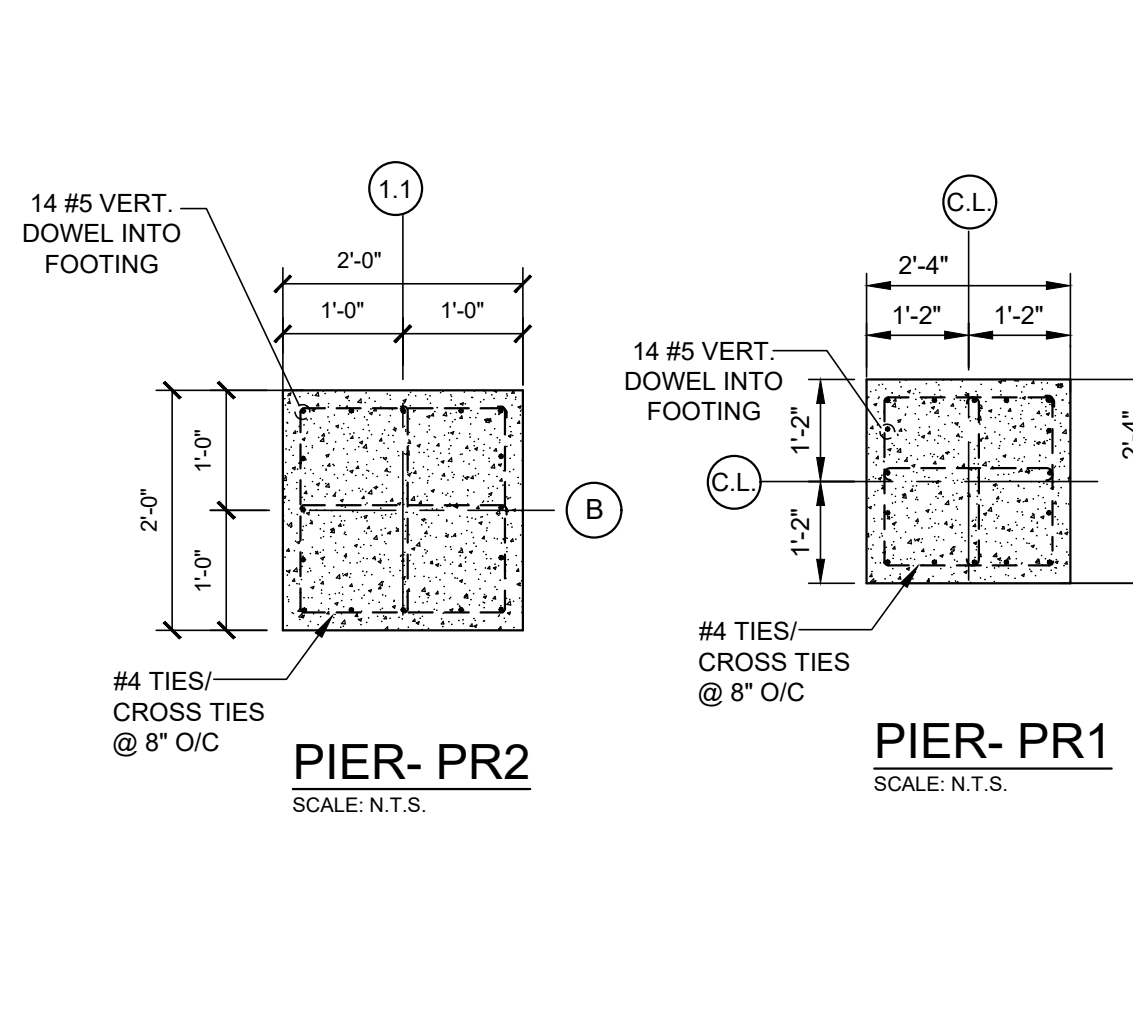
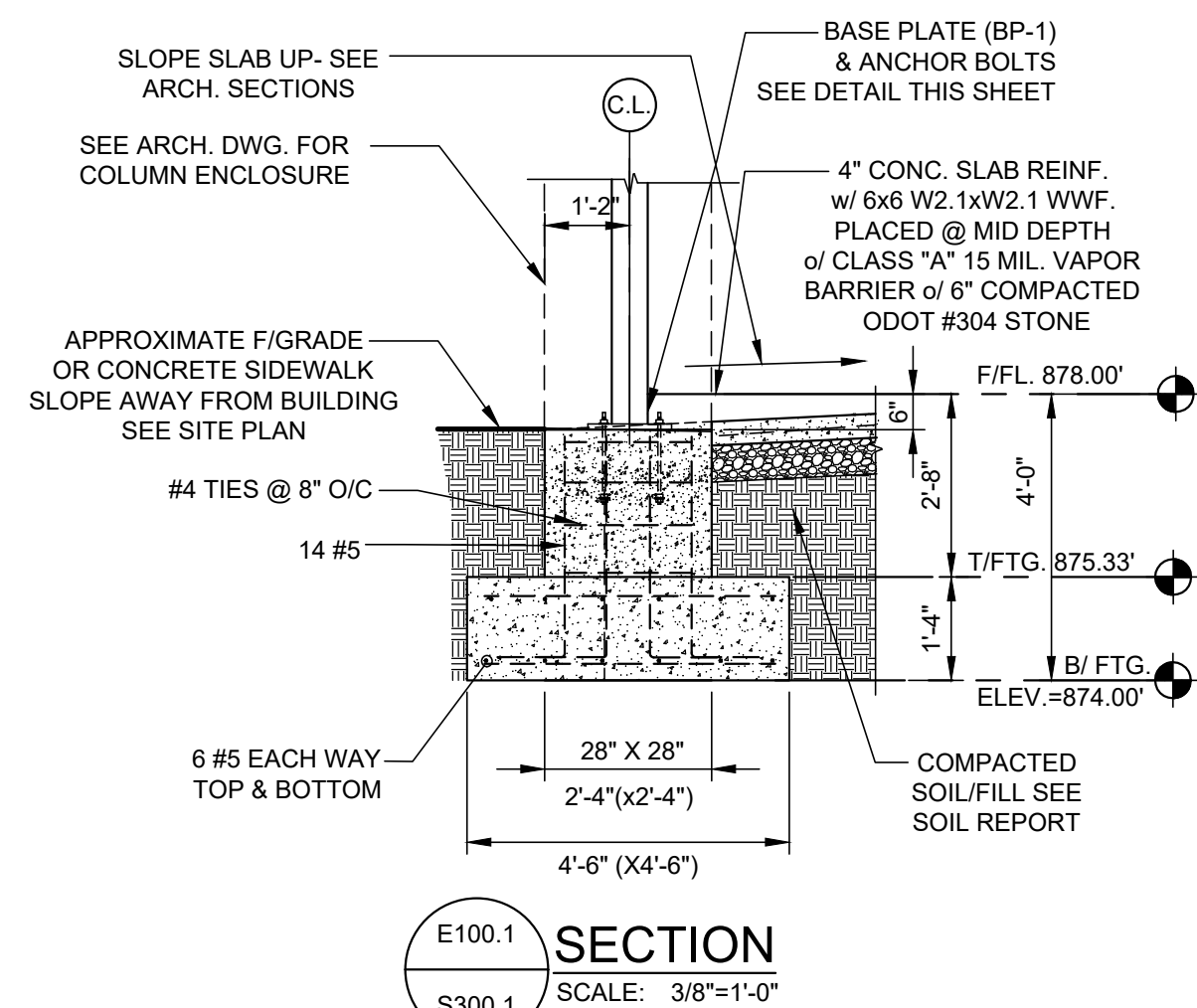
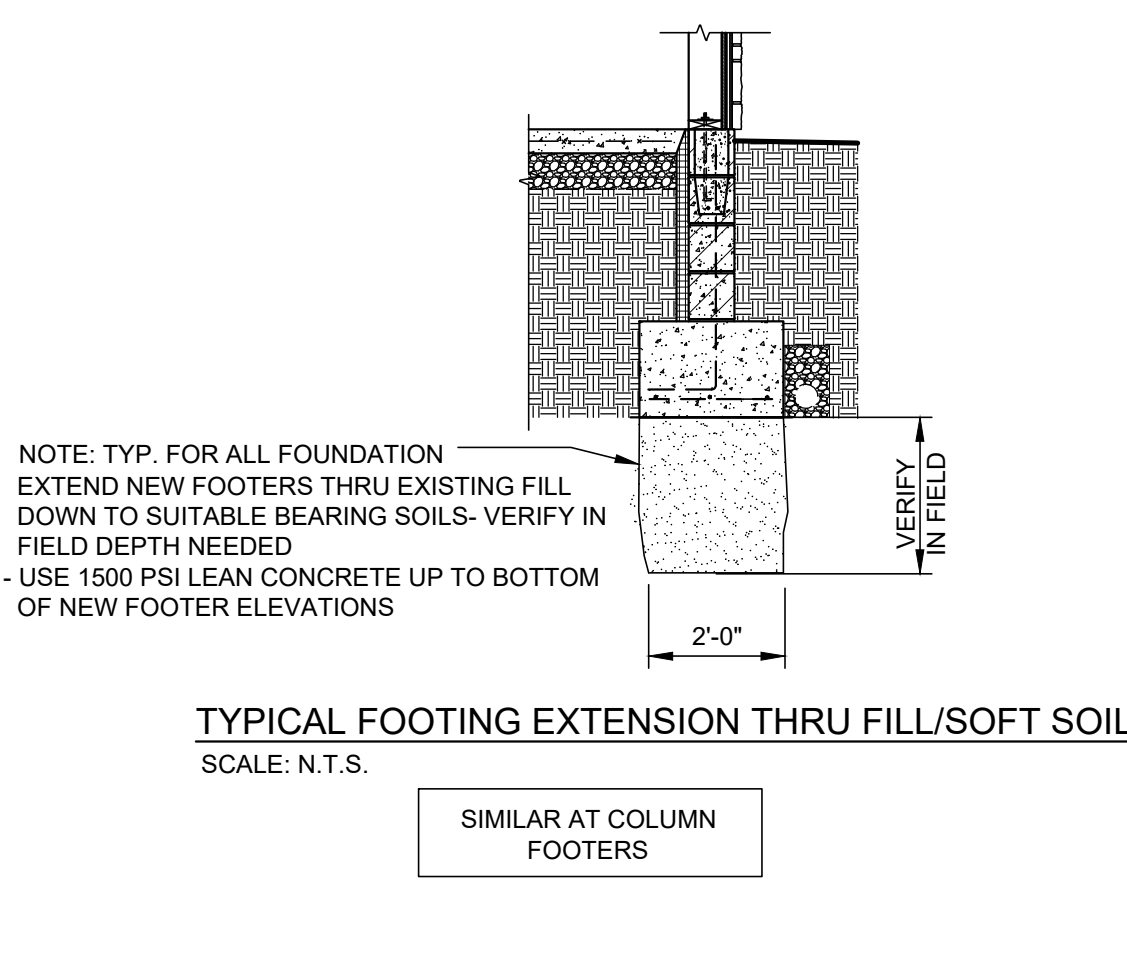
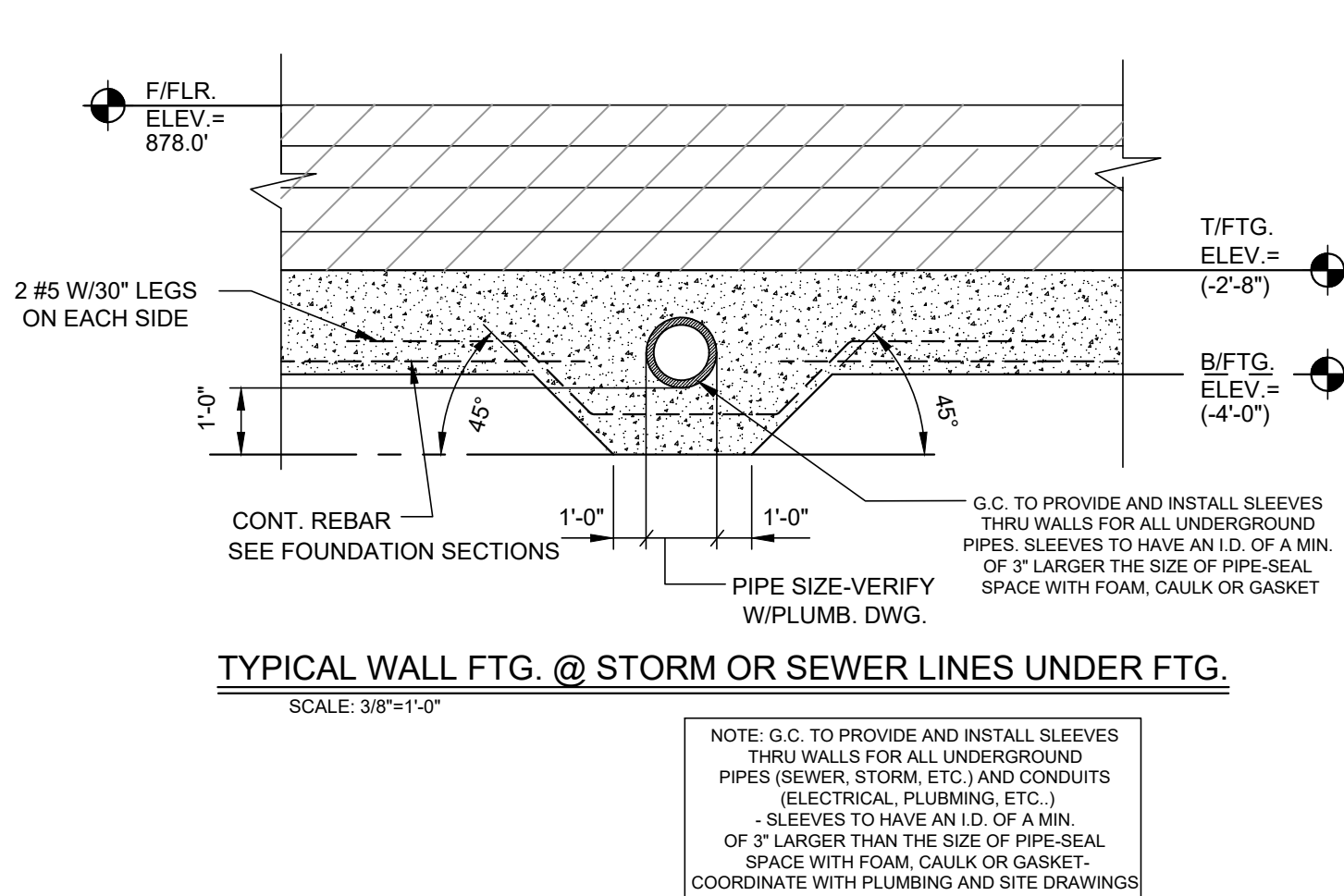
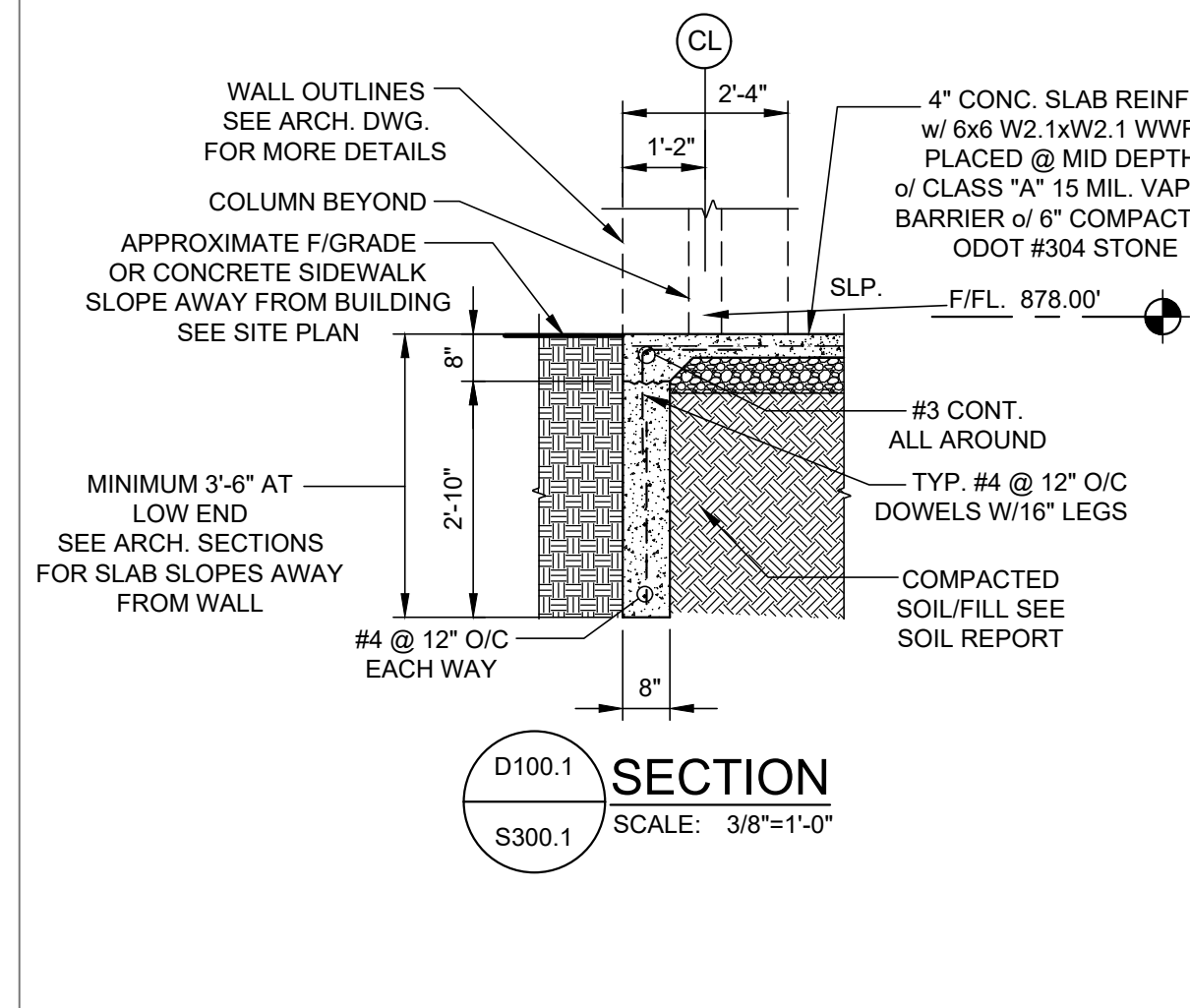
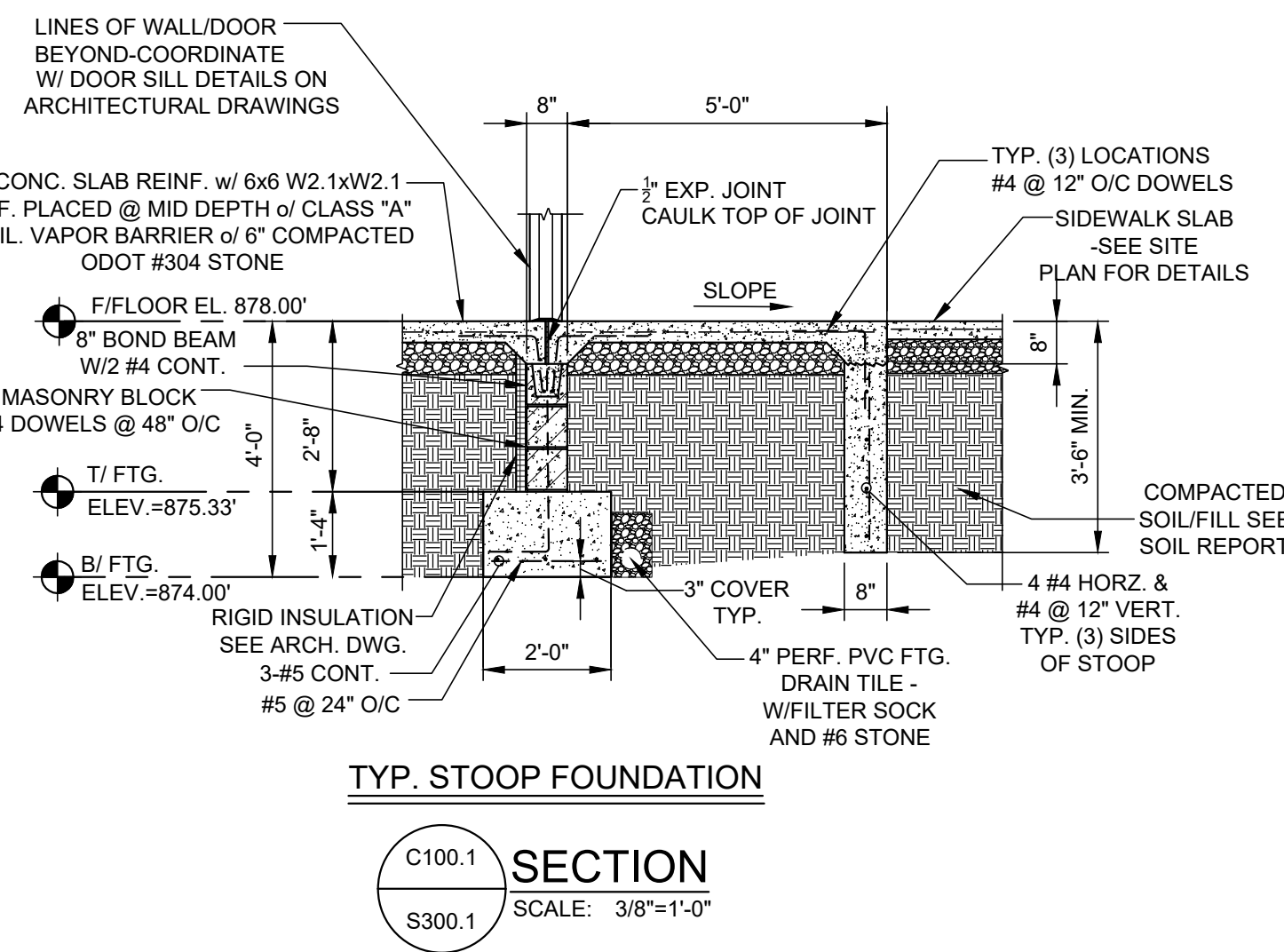
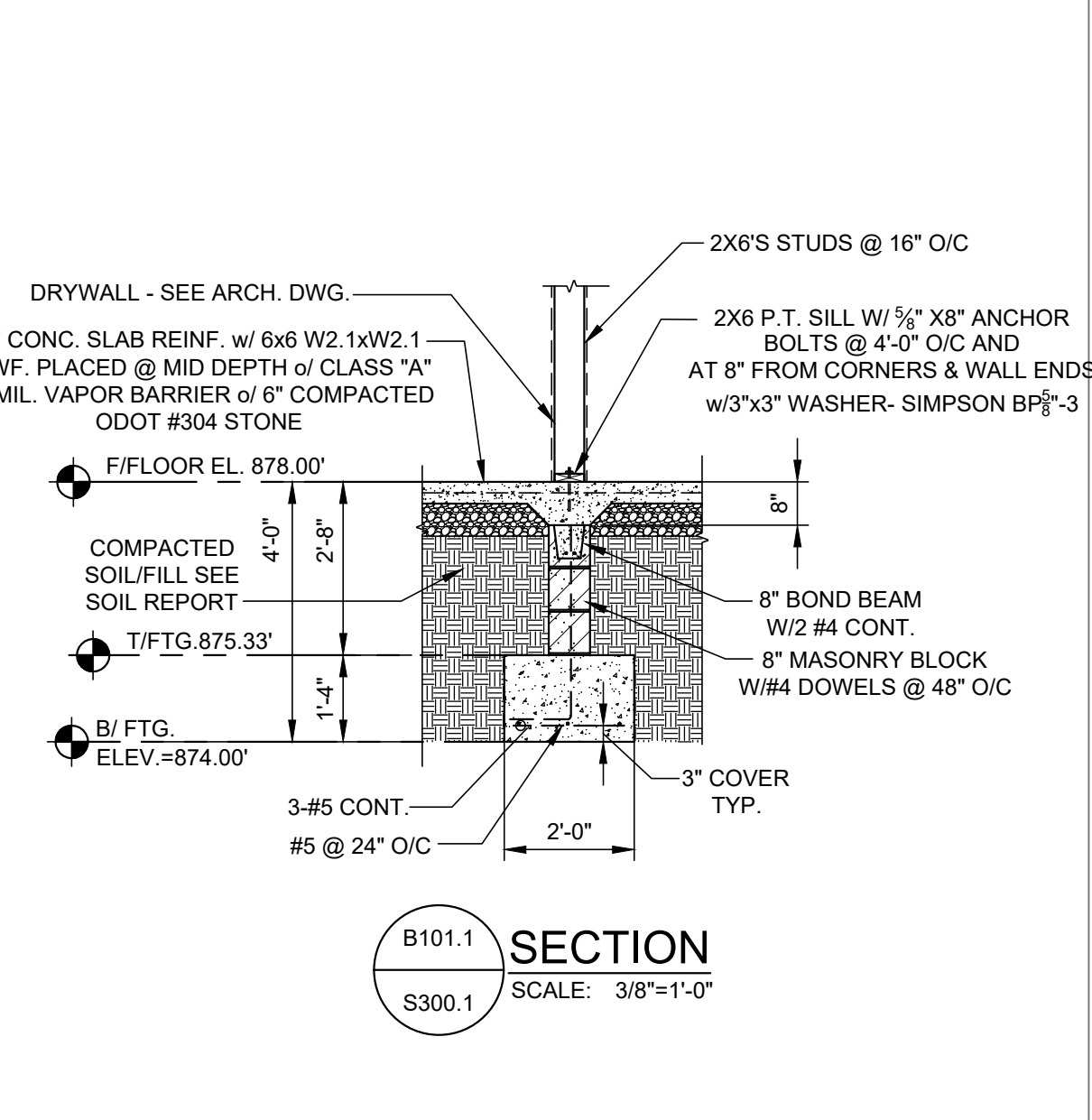
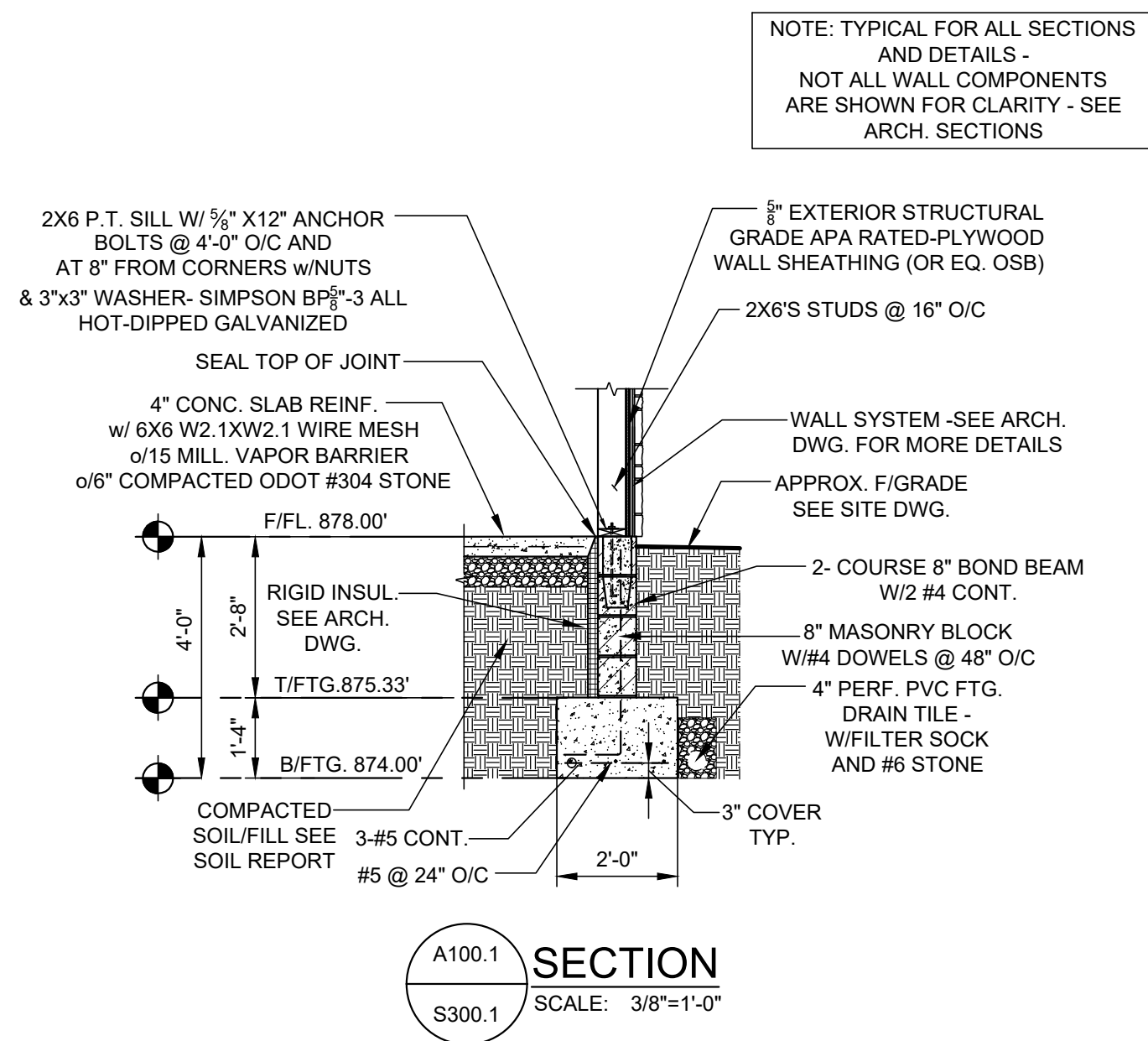
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CONSTRUCTION DOCUMENTS

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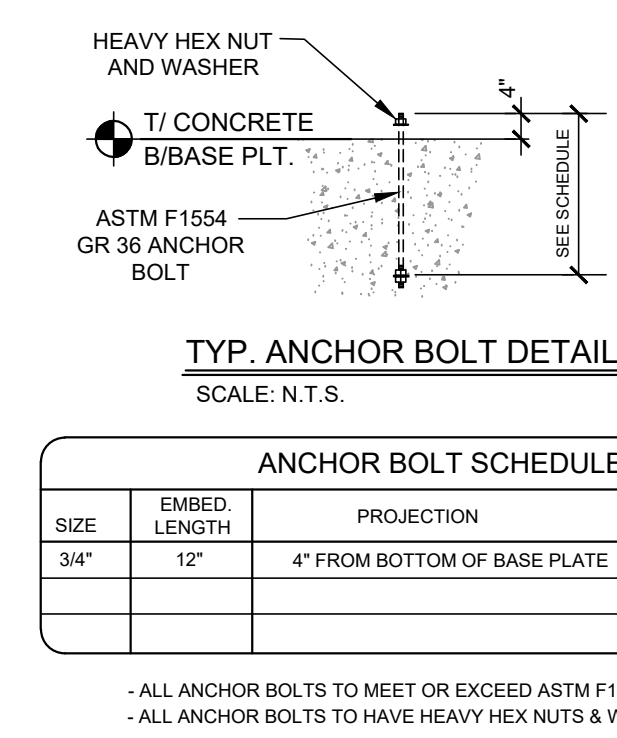
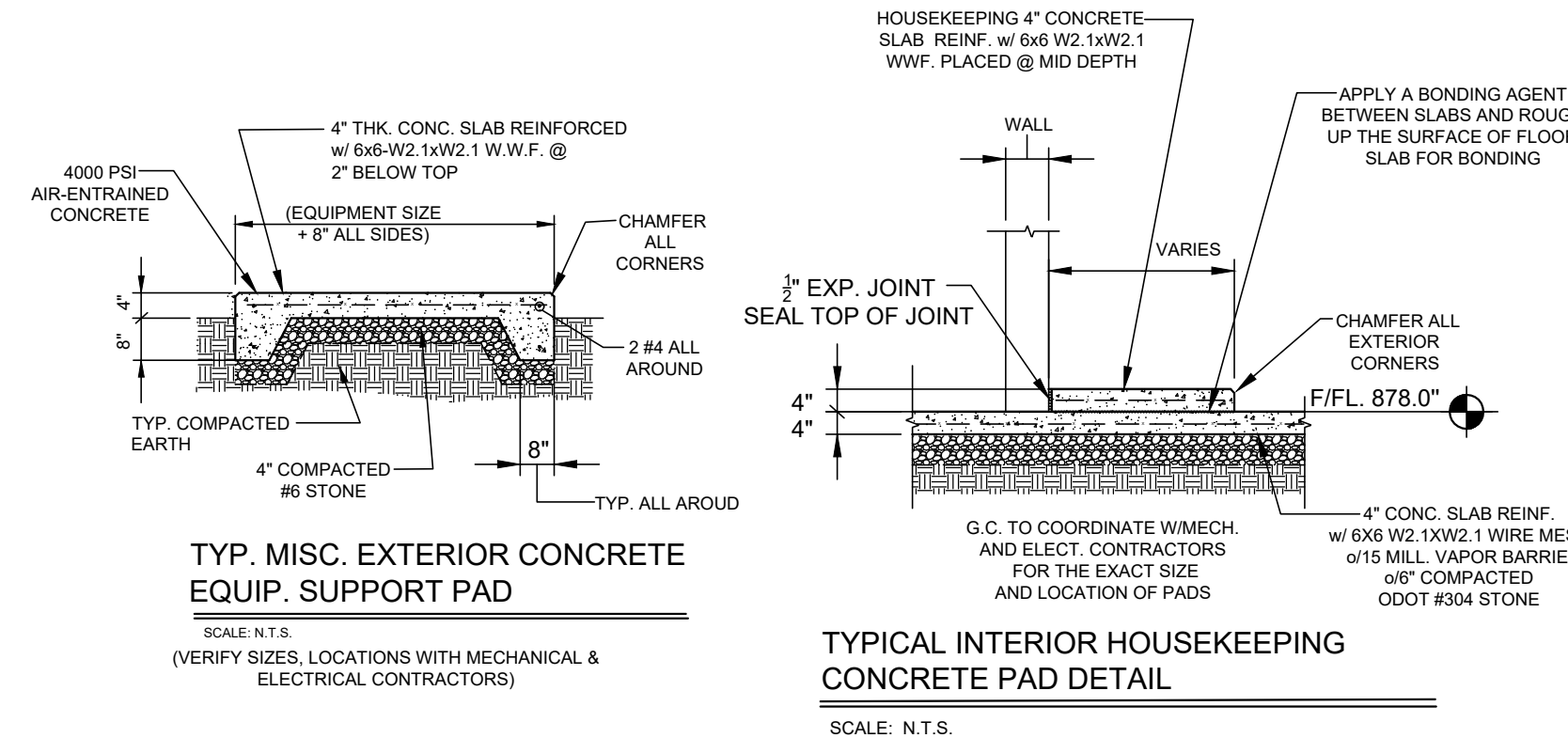
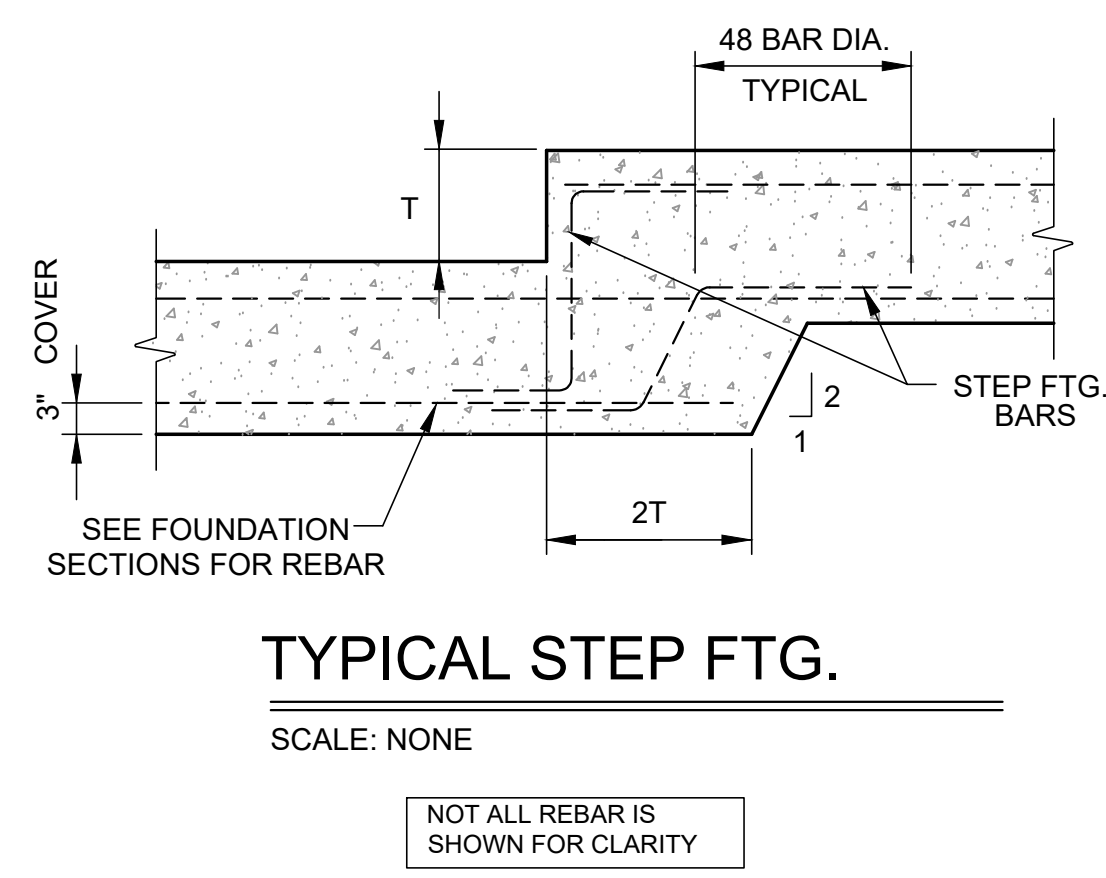
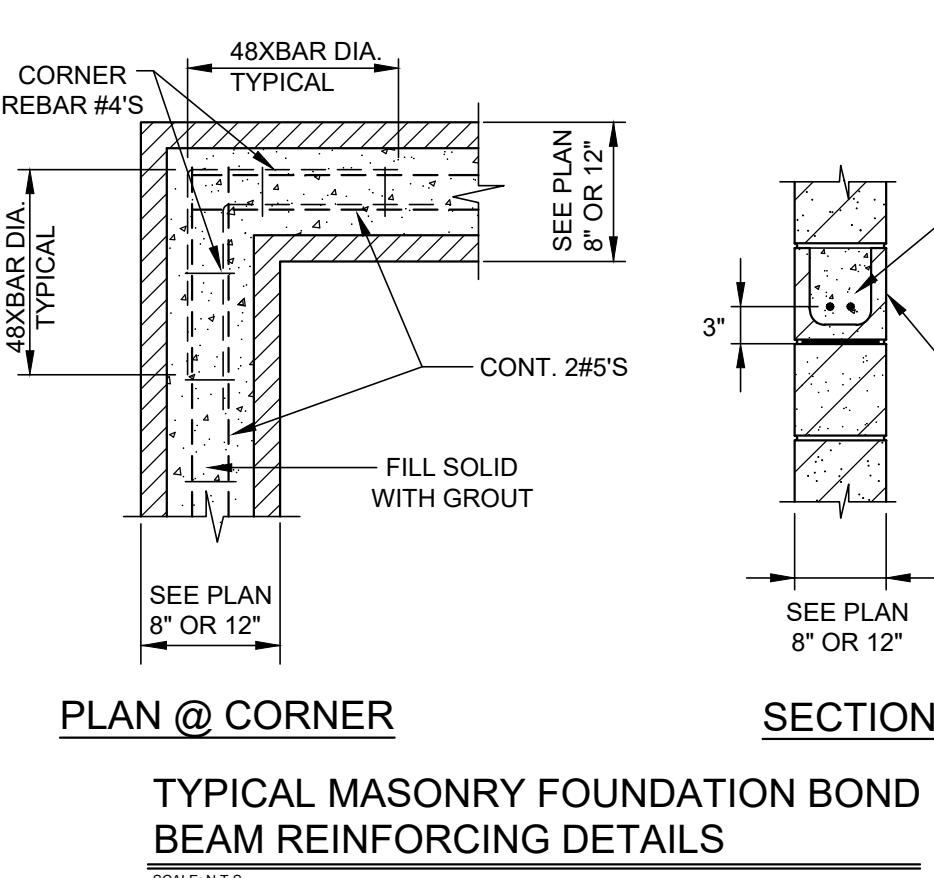




COLUMN FOOTING SCHEDULE				
MARK	QUANTITY	SIZE	REINFORCING	BOTTOM ELEVATION
F1	5	4'-6"x4'-6"x1'-4"	6#5 EACH WAY TOP & BOTTOM	874.0' (-4'-0")

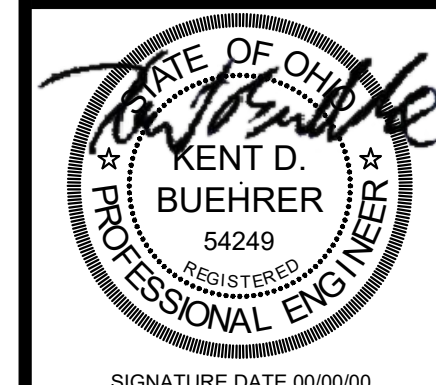
PIER SCHEDULE					
MARK	QUANTITY	SIZE	MAIN REINFORCING	TIES	TOP ELEVATION
PR-1	4	28"x28"	14 #5	#4 @ 8" O.C.	878.0' (-0'-0")
PR-2	1	24"x24"	14 #5	#4 @ 8" O.C.	877.33' (-0'-8")

BASE PLATE SCHEDULE					
MARK	COLUMN SIZE	BASE PLATE SIZE	QUANTITY	ANCHOR BOLT SIZE	LEVELING PLATE
BP-1	HSS 5"x5"x3/8"	12"x12"x3/4"	5	4-3/4" DIA.X16"	12"x12"x1/4"



ANCHOR BOLT SCHEDULE			
SIZE	EMBED LENGTH	PROJECTION	TOTAL LENGTH
3/4"	12"	4" FROM BOTTOM OF BASE PLATE	16"

- ALL ANCHOR BOLTS TO MEET OR EXCEED ASTM F1554 GR36
- ALL ANCHOR BOLTS TO HAVE HEAVY HEX NUTS & WASHERS
- ALL ANCHOR BOLTS, NUTS, WASHERS TO BE HOT DIPPED GALVANIZED



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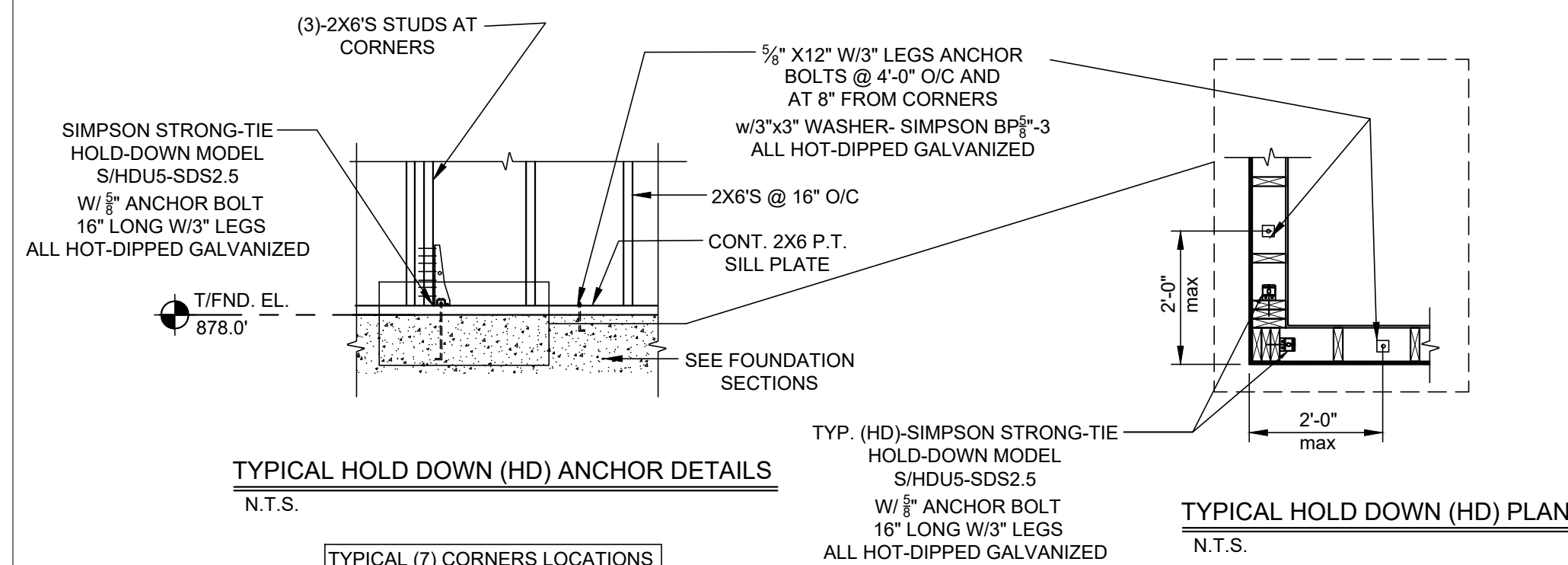
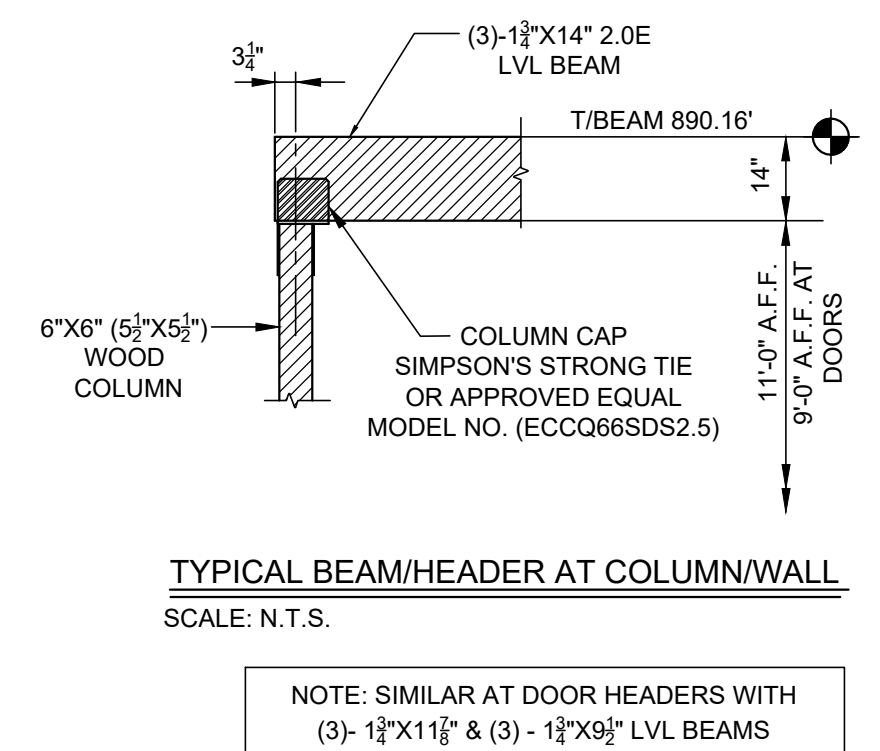
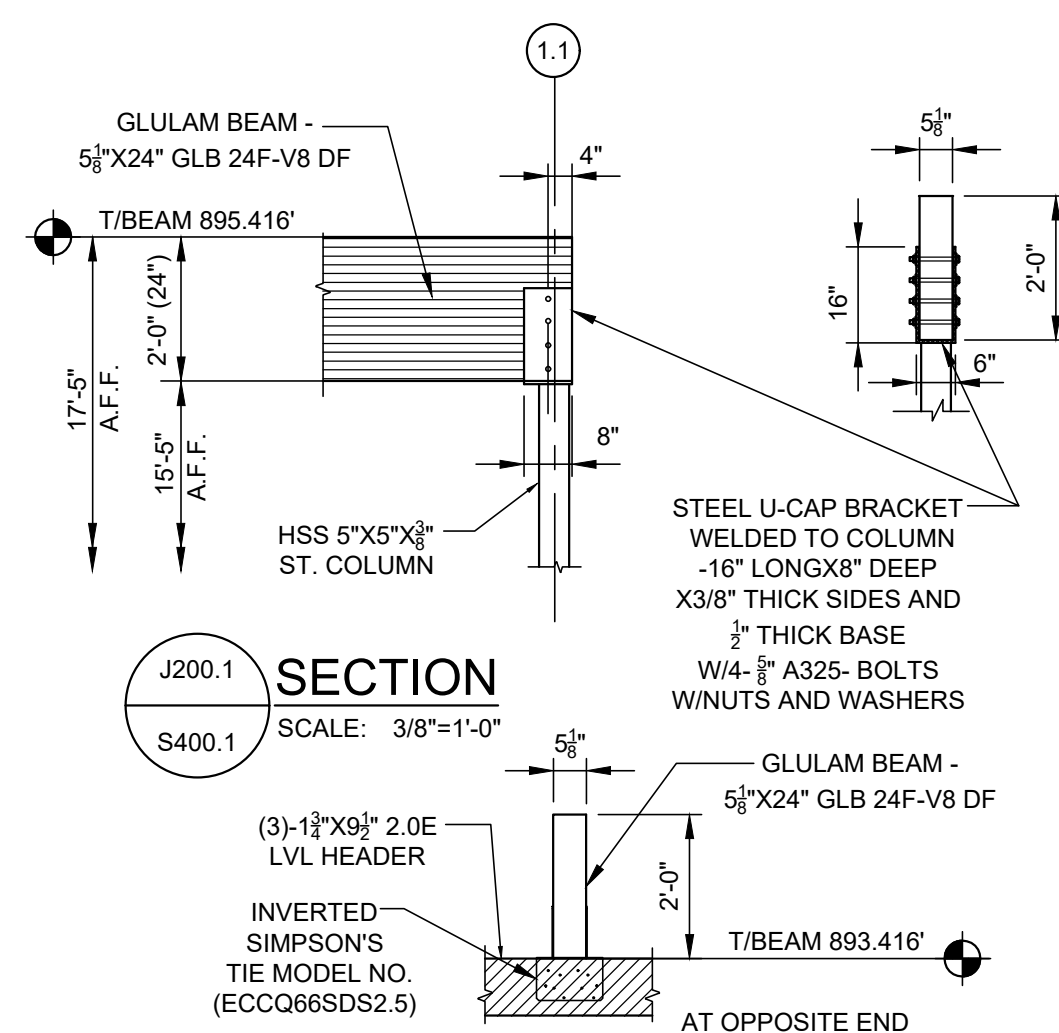
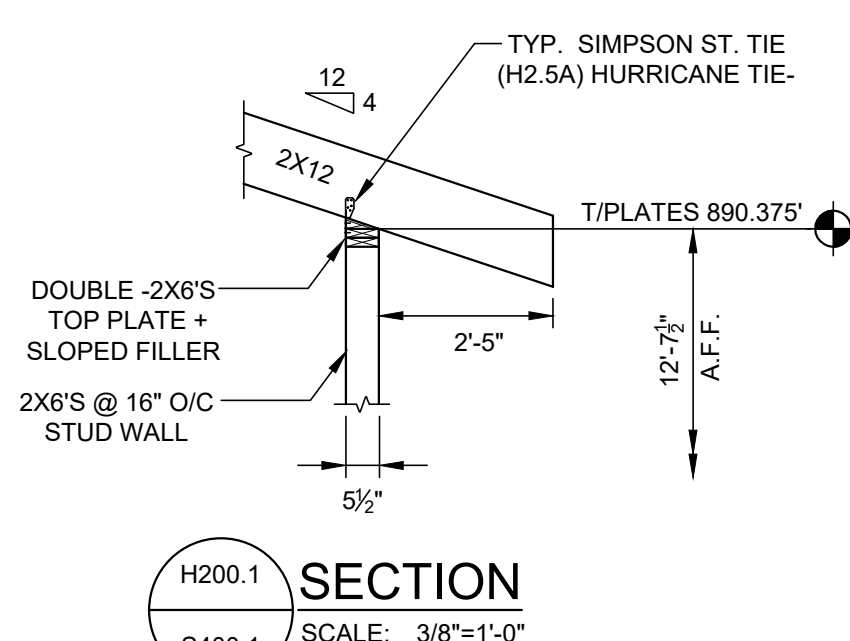
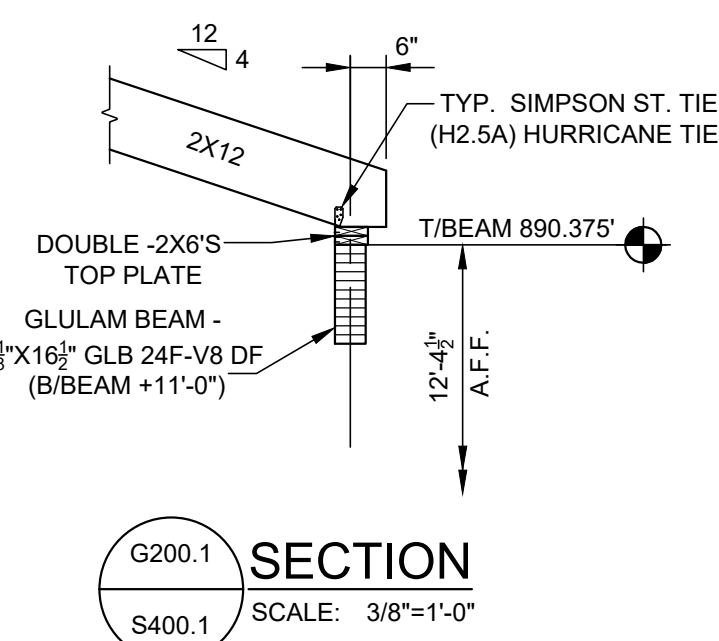
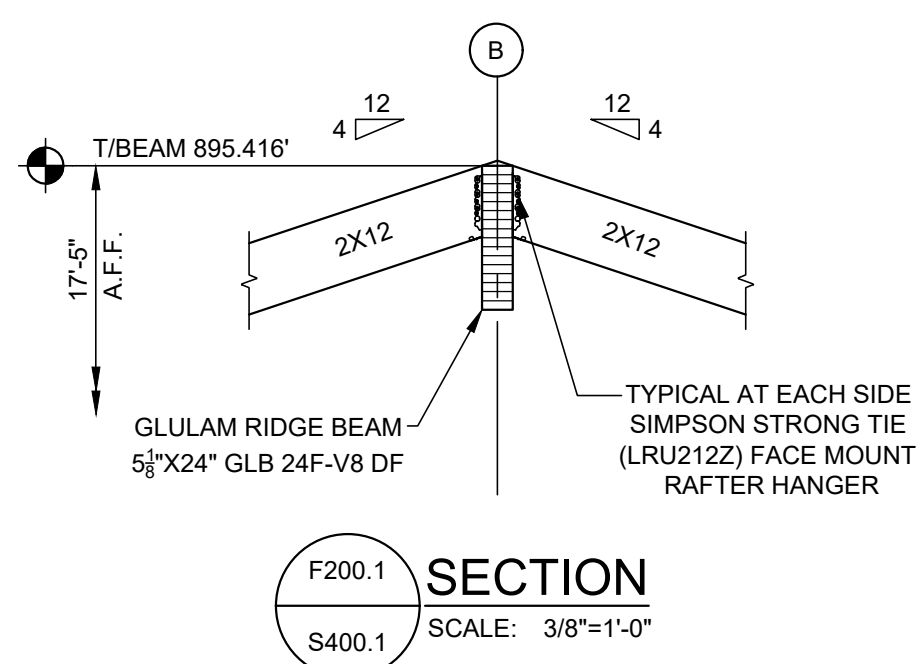
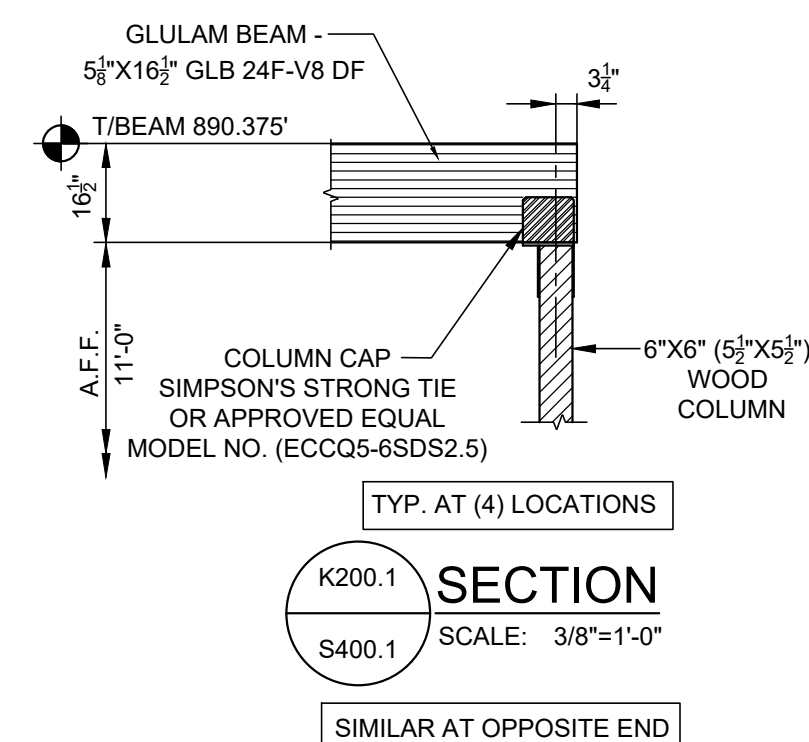
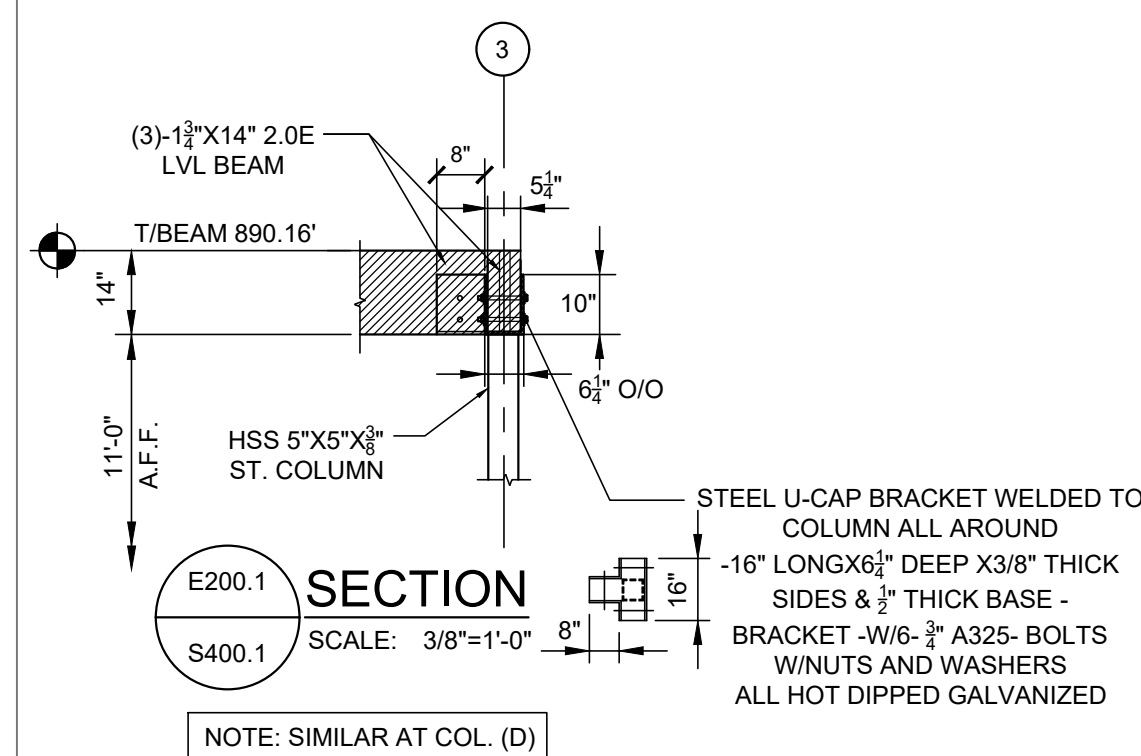
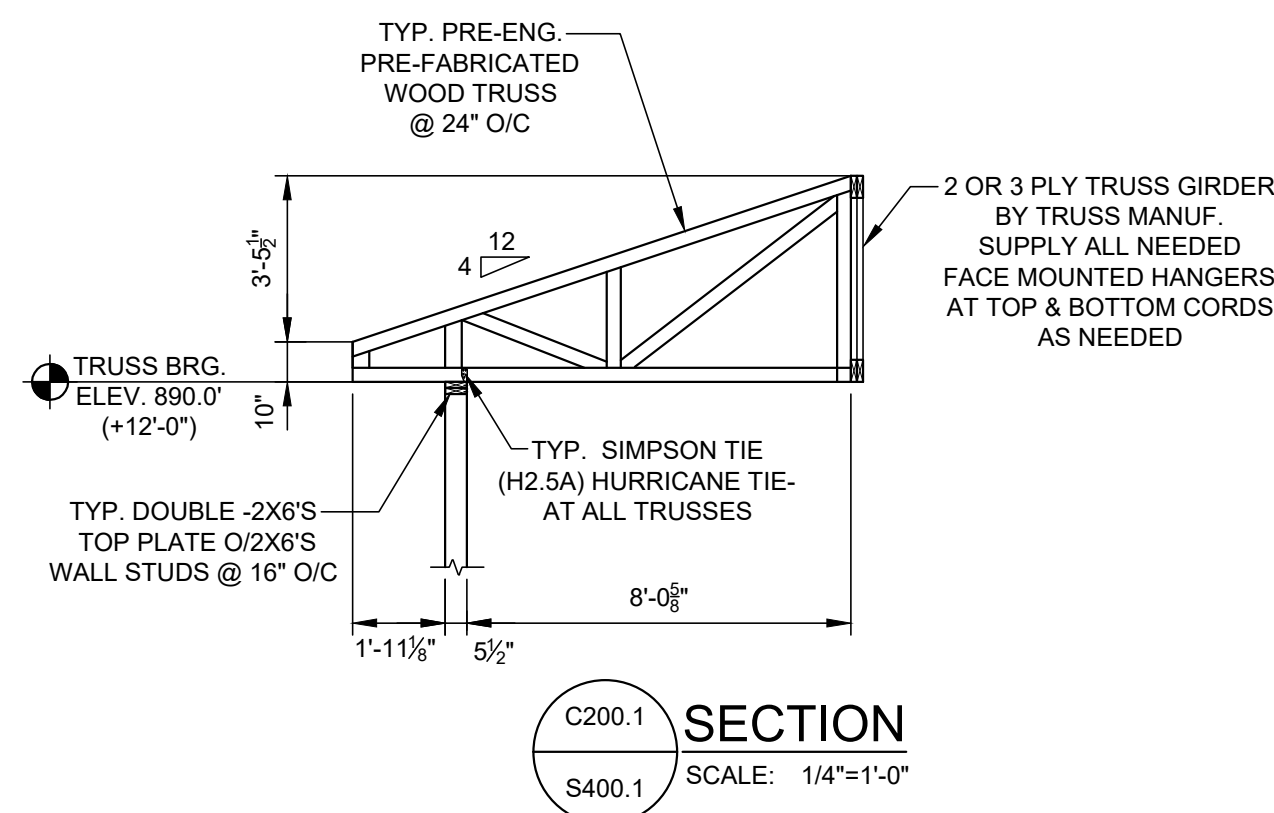
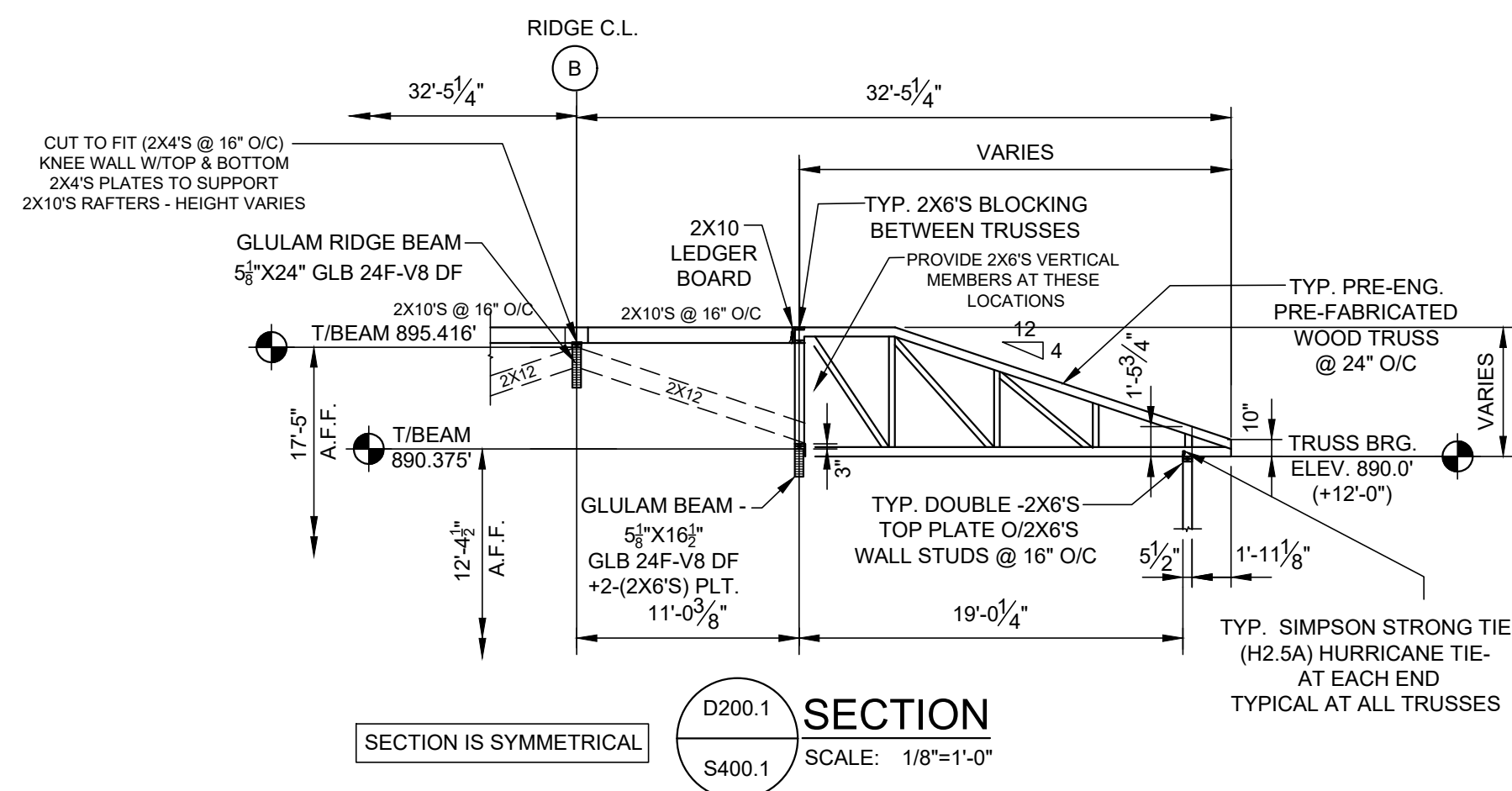
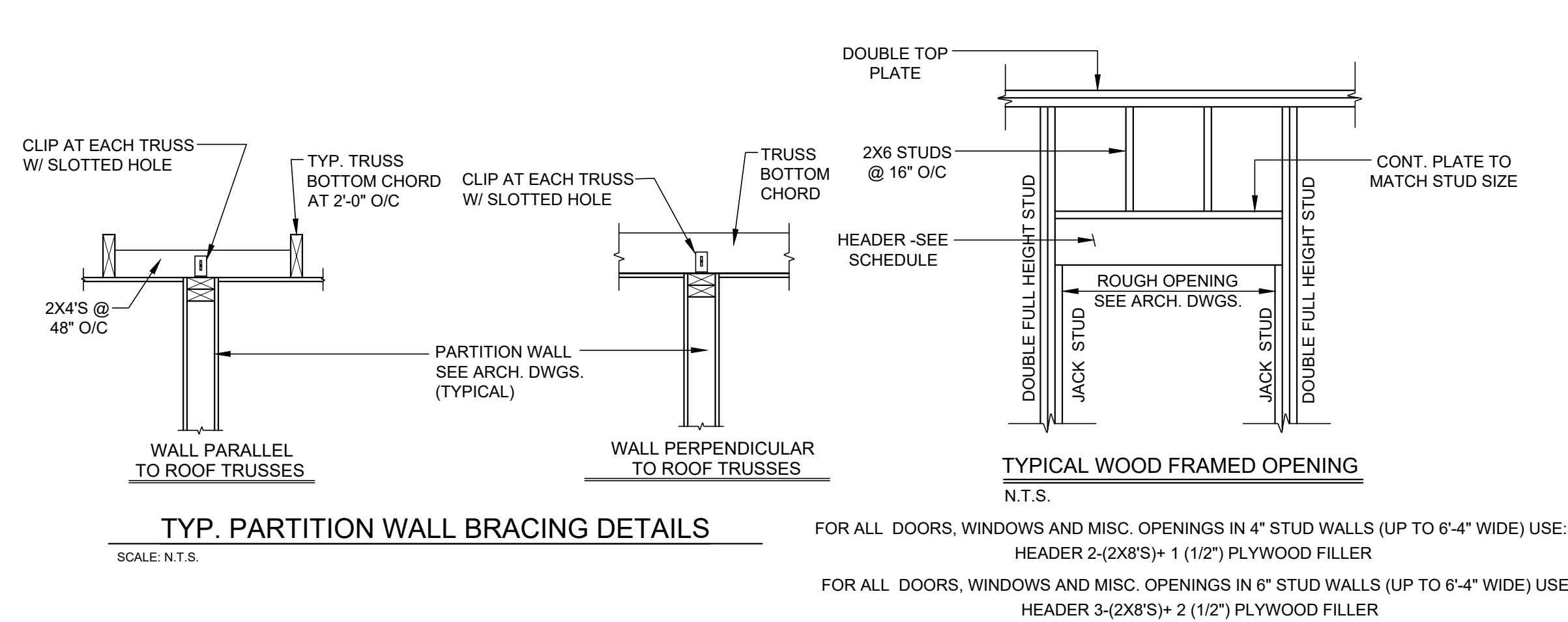
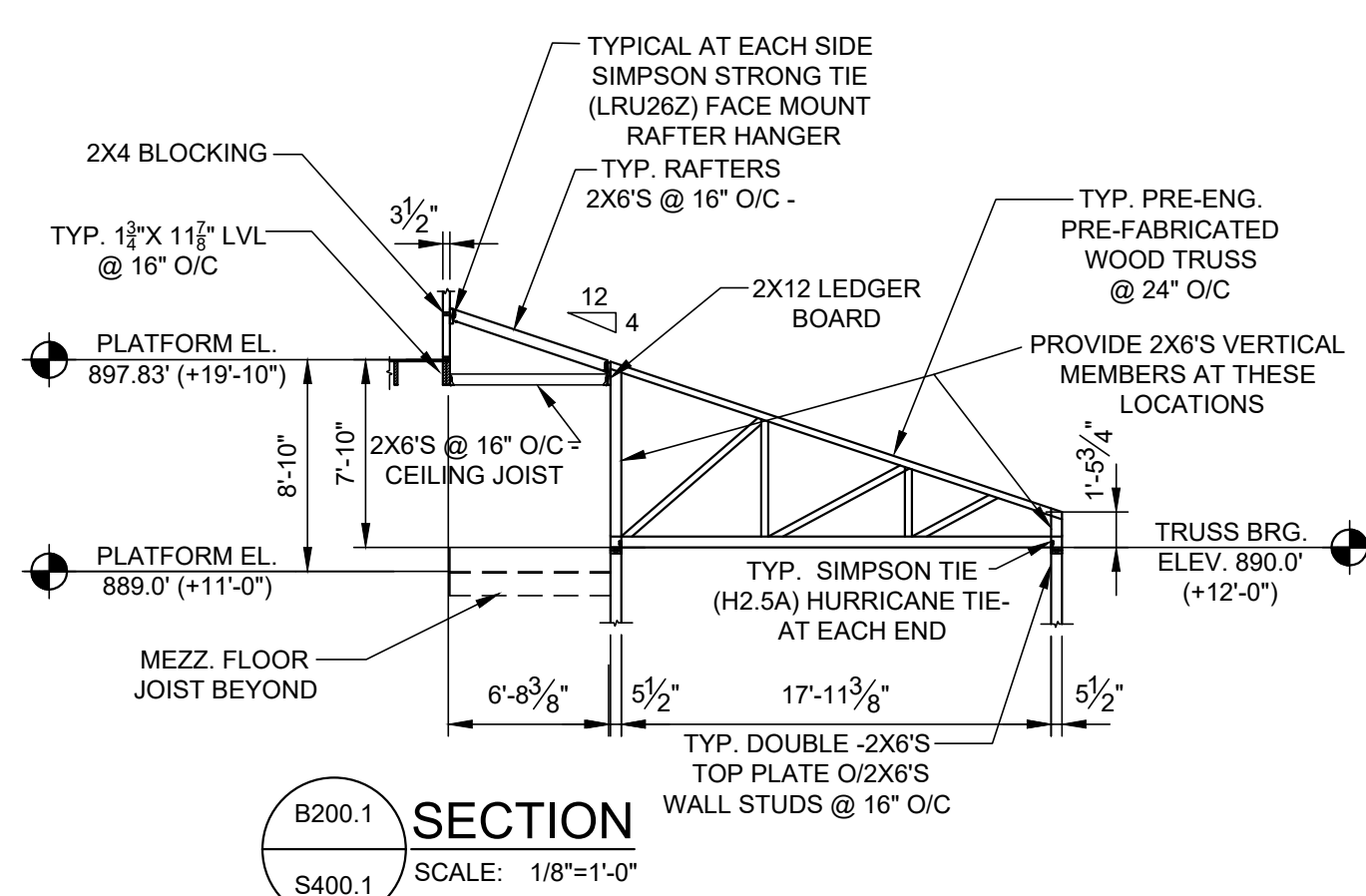
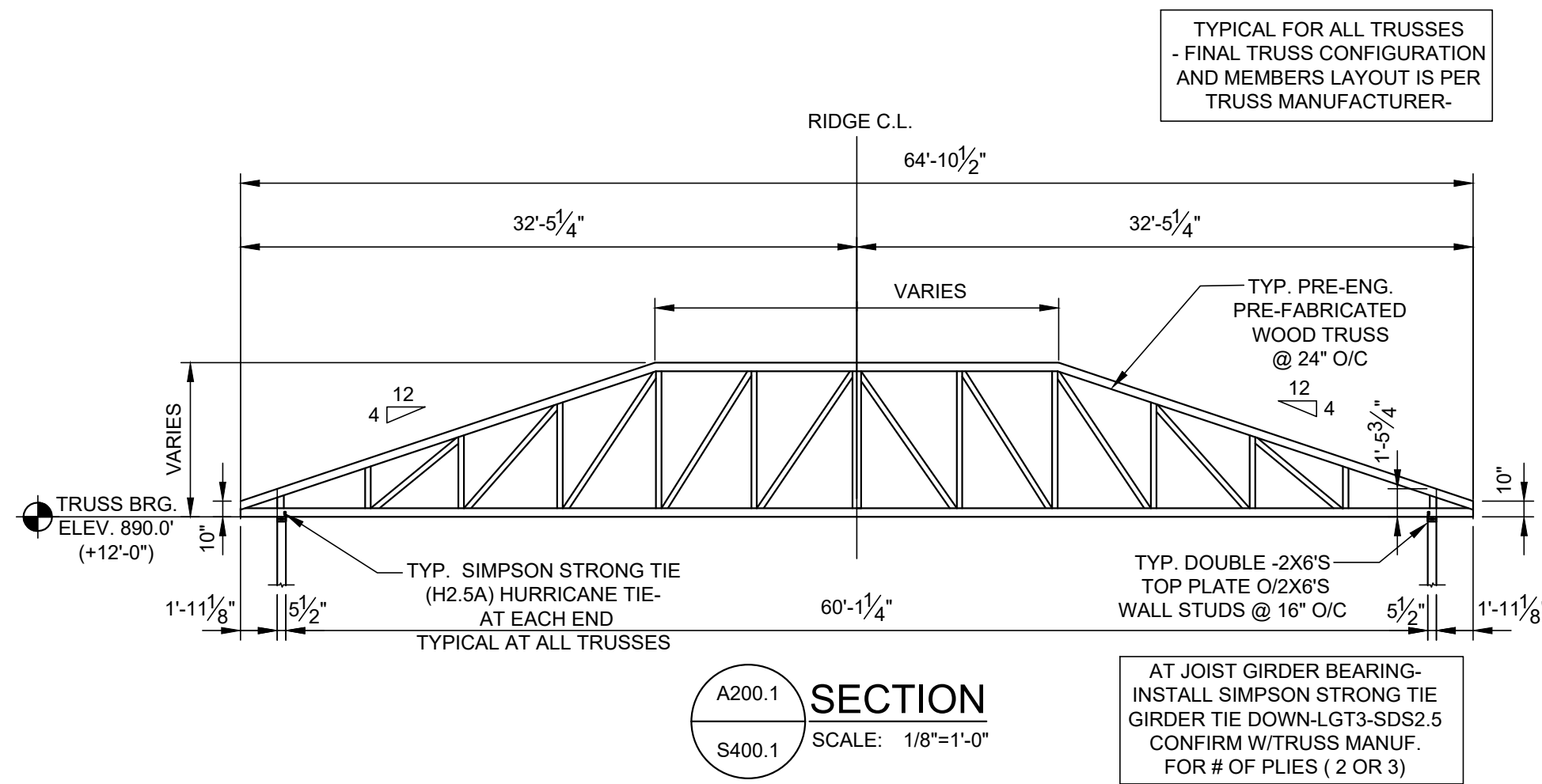
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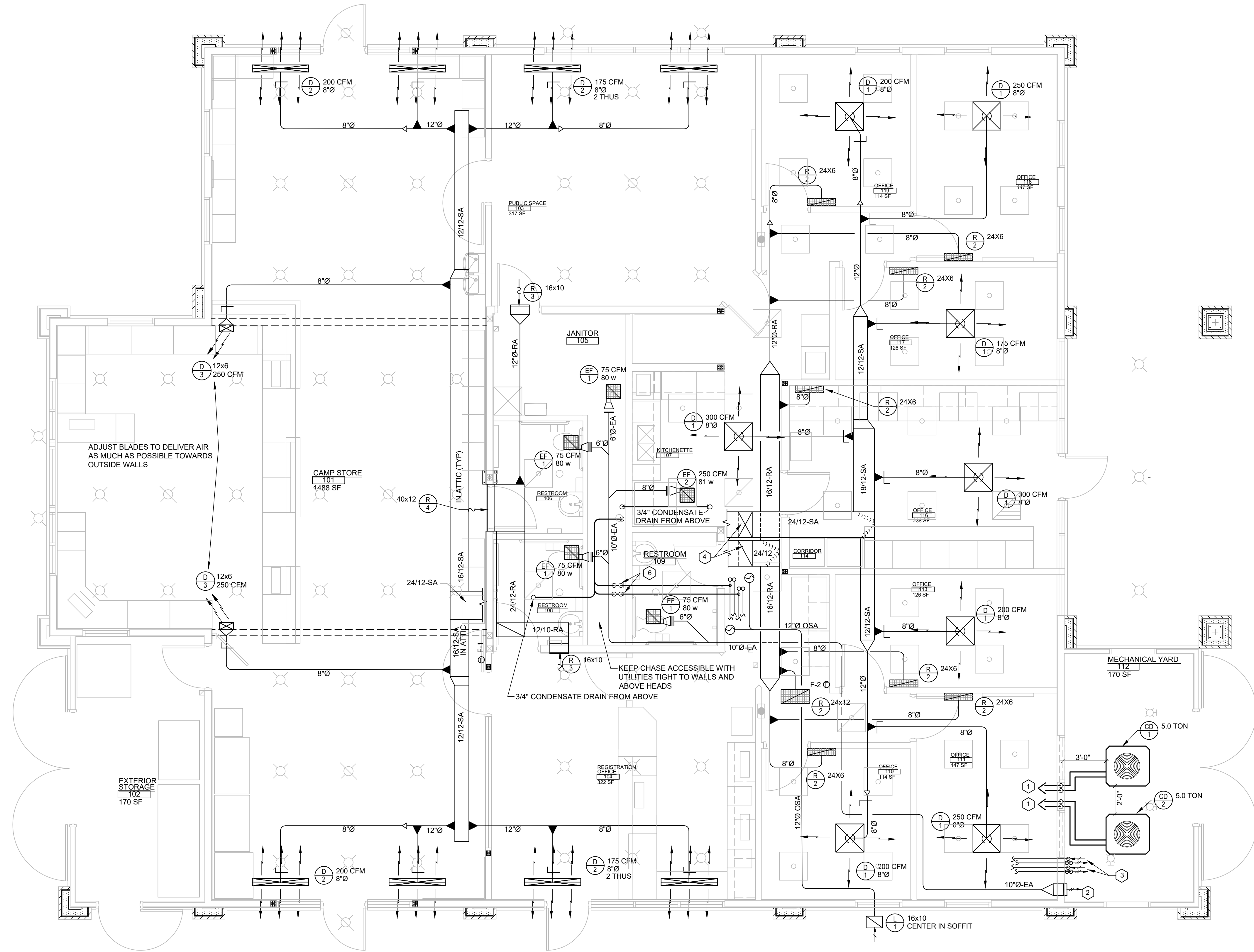
REVISION SCHEDULE

ISSUE DATE: 09/19/2025

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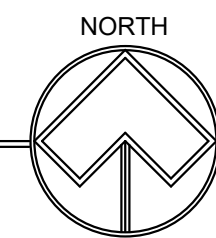
CONSTRUCTION DOCUMENTS

S400.1



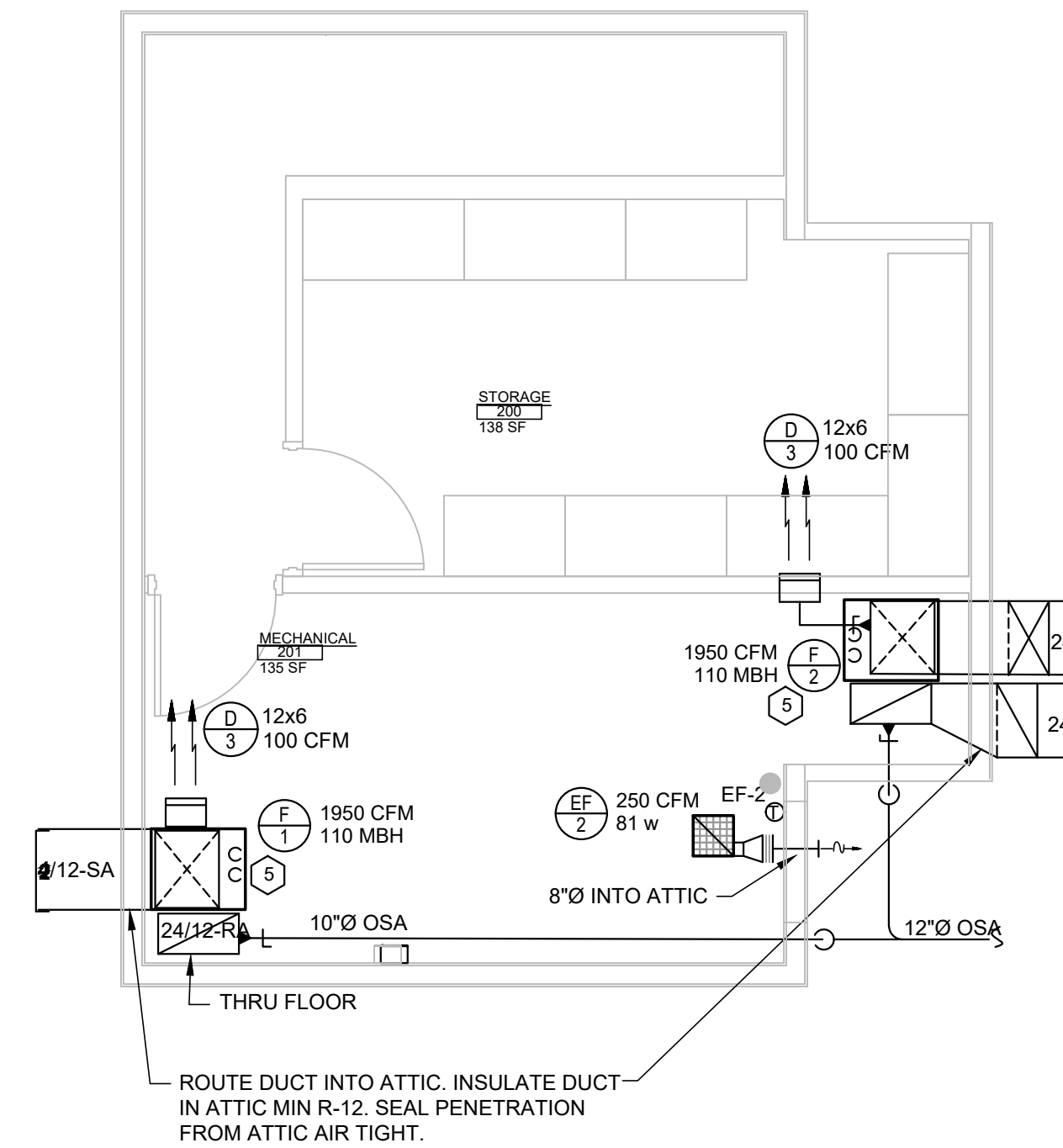
HVAC
FIRST FLOOR PLAN

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



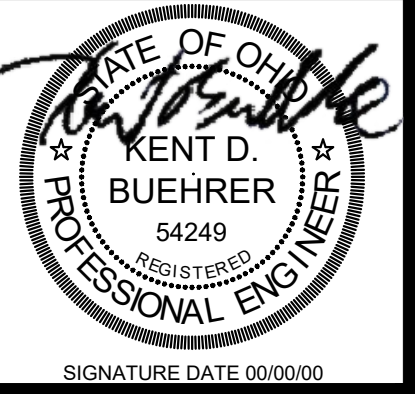
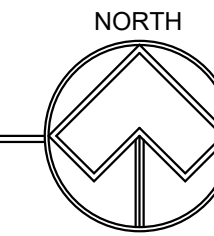
KEYED NOTES

- 1 ROUTE REFRIGERANT PIPING THRU WALL SEAL WEATHER TIGHT. RISE CONCEALED INSIDE WALL TO ABOVE CEILING AND ROUTE TO RESPECTIVE UNIT. VERIFY ALL REFRIGERANT PIPE SIZE WITH MNF.
- 2 WALL VENT. COORDINATE M.H. WITH ARCHITECTURAL DRAWINGS. VENT SHALL BE SEIHO MODEL #SFX-N 10"Ø ALUMINUM LOUVERED VENT CAP WITH HOOD, BUG SCREEN AND BACK DRAFT DAMPER.
- 3 ROUTE FURNACE FLUE AND INTAKE TO INDEPENDENT TERMINATIONS PER MANUFACTURERS WRITTEN INSTRUCTIONS. FLUE MIN 1'-0" BELOW SOFFIT. PAINT TO MATCH ADJACENT SURFACES.
- 4 ROUTE DUCT INTO ATTIC AND DROP OUT OF ATTIC TO ABOVE LAY IN CEILING. INSULATE DUCT IN ATTIC MIN R-12. SEAL PENETRATION FROM ATTIC AIR TIGHT.
- 5 SET FURNACE LEVEL ON NEOPRENE ISOLATORS. ROUTE CONDENSATE PIPING INDEPENDENTLY TO FLOOR DRAIN IN PIPE CHASE BELOW.
- 6 PROVIDE 3/4" PVC CONDENSATE DRAIN TRAP AT LOW POINT OF FLUE TO PREVENT CONDENSATE DRAINING TO OUTSIDE. SLOPE 1/4" PER FOOT TOWARDS TO TRAP AND ROUTE DRAIN TO FLOOR DRAIN IN PIPE CHASE. PROVIDE PERMANENT STENCILED SIGN AT EACH FURNACE INDICATING LOCATION OF TRAPS. "CHECK SECONDARY FLUE CONDENSATE TRAPS LOCATED IN PIPE CHASE BELOW EVERY FILTER CHANGE"



HVAC
MEZZANINE PLAN

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



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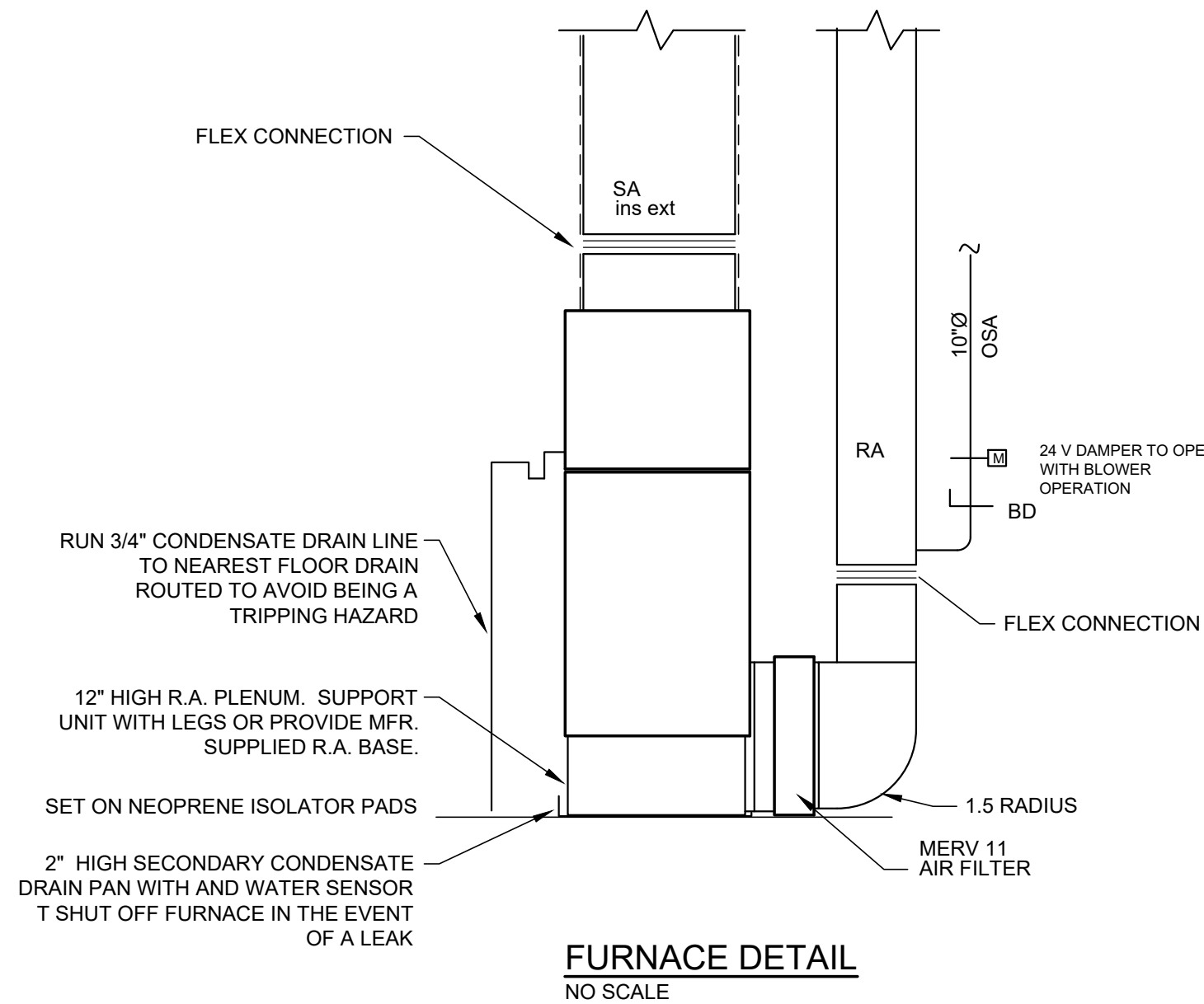
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CONSTRUCTION DOCUMENTS

M100.1

MINIMUM OUTSIDE AIR CALCULATIONS ASHRAE STD. 62.1-2016 COMPLIANCE MULTIPLE ZONE SYSTEM W/O ZONE LEVEL RECIRCULATION		
ZONE	F-1	F-2
OCCUPANCY CATEGORY	RETAIL	OFFICE
SUPPLY AIR VOLUME	1950 CFM	1950 CFM
PEOPLE OUTDOOR AIR RATE (CFM/PERSON) (R _p)	7.5 CFM	5.0 CFM
AREA OUTDOOR AIR RATE (CFM/SQ. FT.) (R _a)	0.12	0.06
AREA (SQ. FT.) (A _z)	2127 SF	1194 SF
CALCULATED OCCUPANCY (NUMBER OF PEOPLE) (P _z)	10 PPL	8 PPL
ZONE AIR DISTRIBUTION EFFECTIVENESS (E _z)	0.8	0.8
PEOPLE OUTDOOR AIR (P _p x A _p)	75 CFM	40 CFM
AREA OUTDOOR AIR (R _a x A _z)	255 CFM	72 CFM
BREATHING ZONE OUTDOOR AIR (R _a +A _z)	330 SF	112 CFM
ZONE OUTDOOR AIR FLOW (V _{o2})	413 CFM	140 CFM

□ BALANCE TO INDICATED CFM AT RESPECTIVE UNIT



AIR COOLED CONDENSING UNIT SCHEDULE									(DUCANE)
MARK	MODEL	STAGES	SEER	NOM TONS	ELECT.	MCA	FUSE	OPERATING WEIGHT	
CD-1	4AC16L60P-53	2	15.2	5.0	230V-1Ø	29.6 AMPS	50 AMPS	215 LBS	
CD-2	4AC16L60P-53	2	15.0	5.0	230V-1Ø	29.6 AMPS	50 AMPS	215 LBS	

☐ SUPPLY W/ RUBBER ISOLATOR KIT & ANTI SHORT CYCLE TIMER

☐ R-454B REFRIGERANT

☐ EQUAL BY DAIKIN, TRANE or YORK

DIFFUSER, LOUVER & GRILLE SCHEDULE										
MARK NO.	MAX CFM	STATIC PRESS. (IN H ₂ O)	DAMP.	NECK SIZE	AIR PATTERN	FINISH	THROW (FT)	N.C.	DESCRIPTION PRICE	COMMENTS
D-1	300	.12	-	8"Ø	4-WAY	WHT	12-20	25	SMD 24x24 face	INSULATE BACK OF PAN
D-2	300	.06	-	8"Ø	2-WAY	WHT	8-20	28	TBD4100 - 2 SLOT	48" LONG (2) - SLOT 1" SLOT WIDTH
D-3	350	.08	VOL	12x6	ADJ	WHT	17-32	29	520L	DOUBLE DEFLECTION
R-1	350	.10	-	24x12	-	WHT	-	25	85-TSF	EGG CRATE 45° SIGHT RESISTANT
R-2	500	.10	-	24x6	-	↓	-	25	85-TSF	EGG CRATE 45° SIGHT RESISTANT
R-3	500	.08	-	16x10	-	↓	-	25	530L	1/2" SPACING LOUVERED FACE
L-1	600	.04	-	16x12	-	BY ARCH	-	-	ALUMINUM 635 GREENHECK	WINSECT SCREEN OSA SOFFIT INTAKE

☐ THROWS ARE SHOWN FROM 150 fpm TO 50 fpm

FURNACE SCHEDULE		
MARK NO.	F-1	F-2
TYPE	UP FLOW	UP FLOW
MODEL	97G2E	97G2E
FUEL	NAT GAS	NAT GAS
MFG	DUCANE	DUCANE
APROX WEIGHT	200 LBS	200 LBS

FAN PERFORMANCE

TYPE	VARIABLE	VARIABLE
CFM@0.5 wg	1950 CFM	1950 CFM
E.S.P.	0.50	0.50
MOTOR H.P.	1.0 HP	1.0 HP
VOLTAGE	115-1Ø	115-1Ø
FLA	10.9 AMPS	10.9 AMPS

COOLING COILS

CAPACITY@AHRI	52.5 MBH	52.5 MBH
COIL	MATCH TO CD	MATCH TO CD
HEAT EXCHANGER	2-STAGE	2-STAGE
STAINLESS STEEL		
AFUE	95.0%	95.0%
FLUE/INTAKE	3"Ø	3"Ø
TEMP RISE	44°F	44°F
INPUT MBH	110/72 MBH	110/72 MBH
OUTPUT MBH	108/71 MBH	108/71 MBH
MISC.		

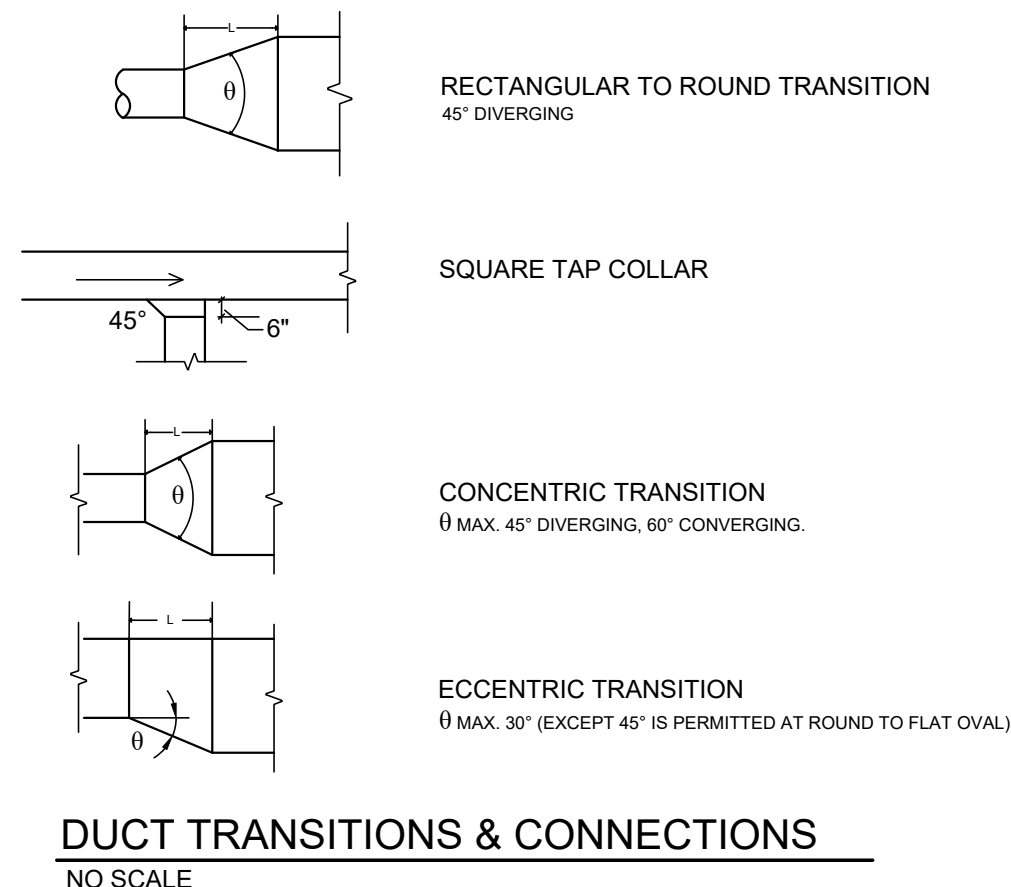
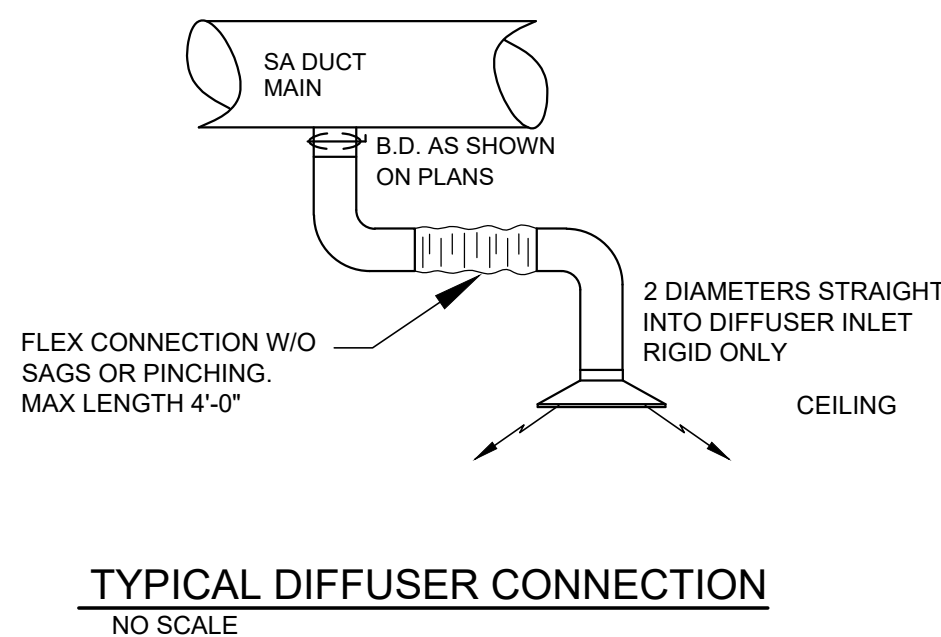
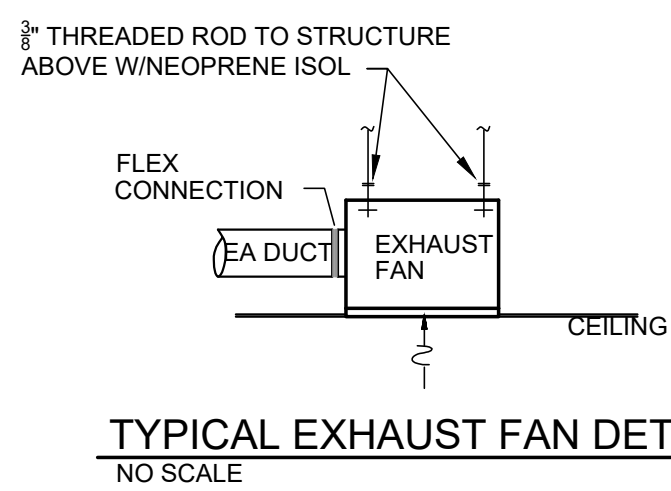
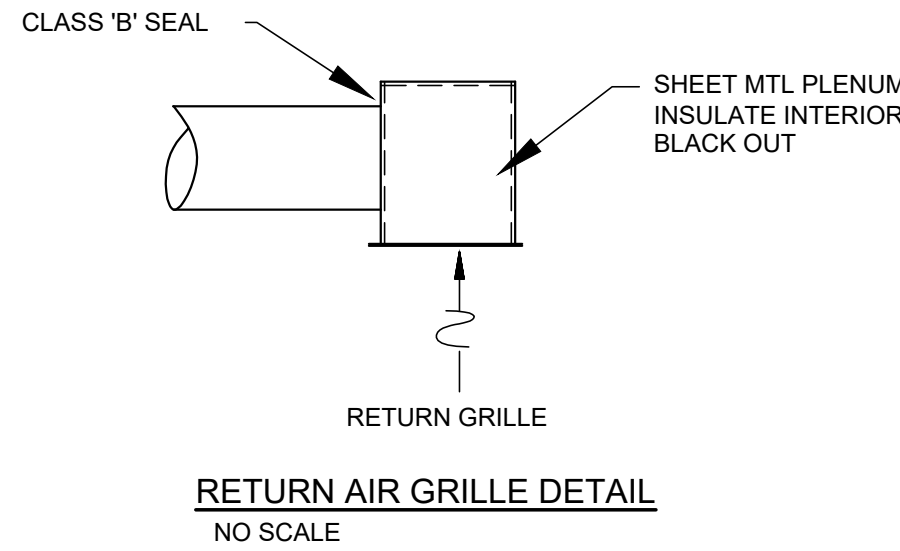
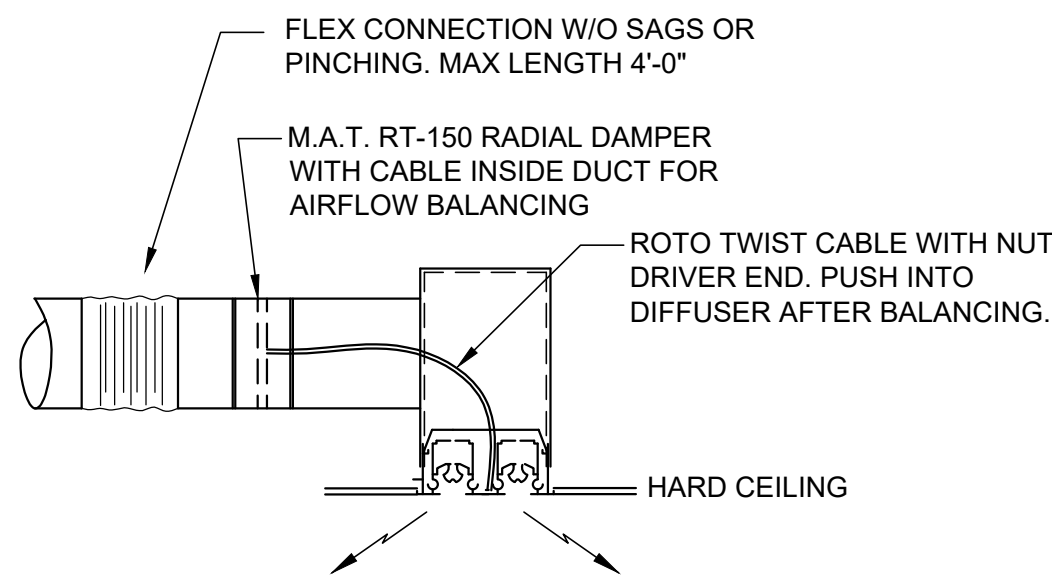
FILTERS

FLUE /INTAKE	MERV 8 CONCENTRIC TOUCH SCREEN 4H/2C DEHUMID	MERV 8 CONCENTRIC TOUCH SCREEN 4H/2C DEHUMID
THERMOSTAT	PER OSA SCHEDULE	PER OSA SCHEDULE
MIN OSA		

□ ASHRAE 2019 COMPLIANT
□ SET ON RIBBED OR WAFFLED NEOPRENE PAD
□ EQUAL BY DAIKIN, TRANE or YORK

FAN SCHEDULE								
MARK NO.	CFM	S.P. (IN H ₂ O)	HP	ELECT.	DAMPER	DESCRIPTION GREENHECK	INLET SONES	COMMENTS
EF-1	75	.250	12w	115-1Ø	BDD	SP-B110	1.5	TIED TO OCC SENSOR IN SPACE
EF-2	250	.250	83w	115-1Ø	BDD	SP-A250	2.5	(1) LINE VOLTAGE THERMOSTAT

HVAC DUCTWORK INSULATION SCHEDULE			
AREA AND SERVICE	INSULATION TYPE	THICKNESS	MIN R-VALUE
SA CONCEALED ABOVE CEILING	1-1/2# W/FRK	1-1/2"	R-6
SA EXPOSED	NONE UNLESS NOTED	-	-
SA IN RETURN AIR CEILING PLENUM	1-1/2# W/FRK	1-1/2"	R-5
SA EXPOSED IN MECHANICAL ROOMS	3# RIGID FRK	1-1/2"	R-6
SA & RA EXPOSED OUTSIDE	3# RIGID ASJ W/ALUMINUM JACKET	3"	R-12
SA & RA IN VENTILATED ATTICS	1-1/2# W/FRK	4"	R-12
RELIEF AIR EXPOSED	1-1/2# W/ASJ	1-1/2"	R-6
OSA INTAKE EXPOSED	6# RIGID FRK	1-1/2"	R-6
EXHAUST AIR WHERE NOTED	1-1/2# W/FRK	1-1/2"	R-6
RA INTERNAL WHERE NOTED	1-1/2# LINER W/REINFORCED COATING	1"	R-4



LEGEND	
⊙	THERMOSTAT AND DEVICE CONTROLLED WITH LOCKING THERMOSTAT GUARD
TI	TENNANT IMPROVEMENTS CONTRACTOR
MH	MOUNTING HEIGHT TO BOTTOM OF DEVICE
RA	RETURN AIR
SA	SUPPLY AIR
EA	EXHAUST AIR
OSA	OUT SIDE AIR
TA	TRANSFER AIR
E.C.	ELECTRIC CONTRACTOR
→	RETURN AIR
→	EXHAUST AIR
→	OUTSIDE INTAKE AIR
→	SUPPLY AIR
24/12	DUCT SIZE (WIDTH/HEIGHT)
ins int	INSULATE INTERIOR OF DUCT
ins ext	INSULATE EXTERIOR OF DUCT
M	MOTOR OPERATED DAMPER
BD	BALANCE DAMPER
□	RETURN/EXH AIR
□	SUPPLY AIR
□	DUCT AIR TURNING VANES
□	FLEXIBLE CONNECTION
SD	FIRE/SMOKE DAMPER
FD	90 MIN FIRE DAMPER
AD	ACCESS DOOR IN DUCT

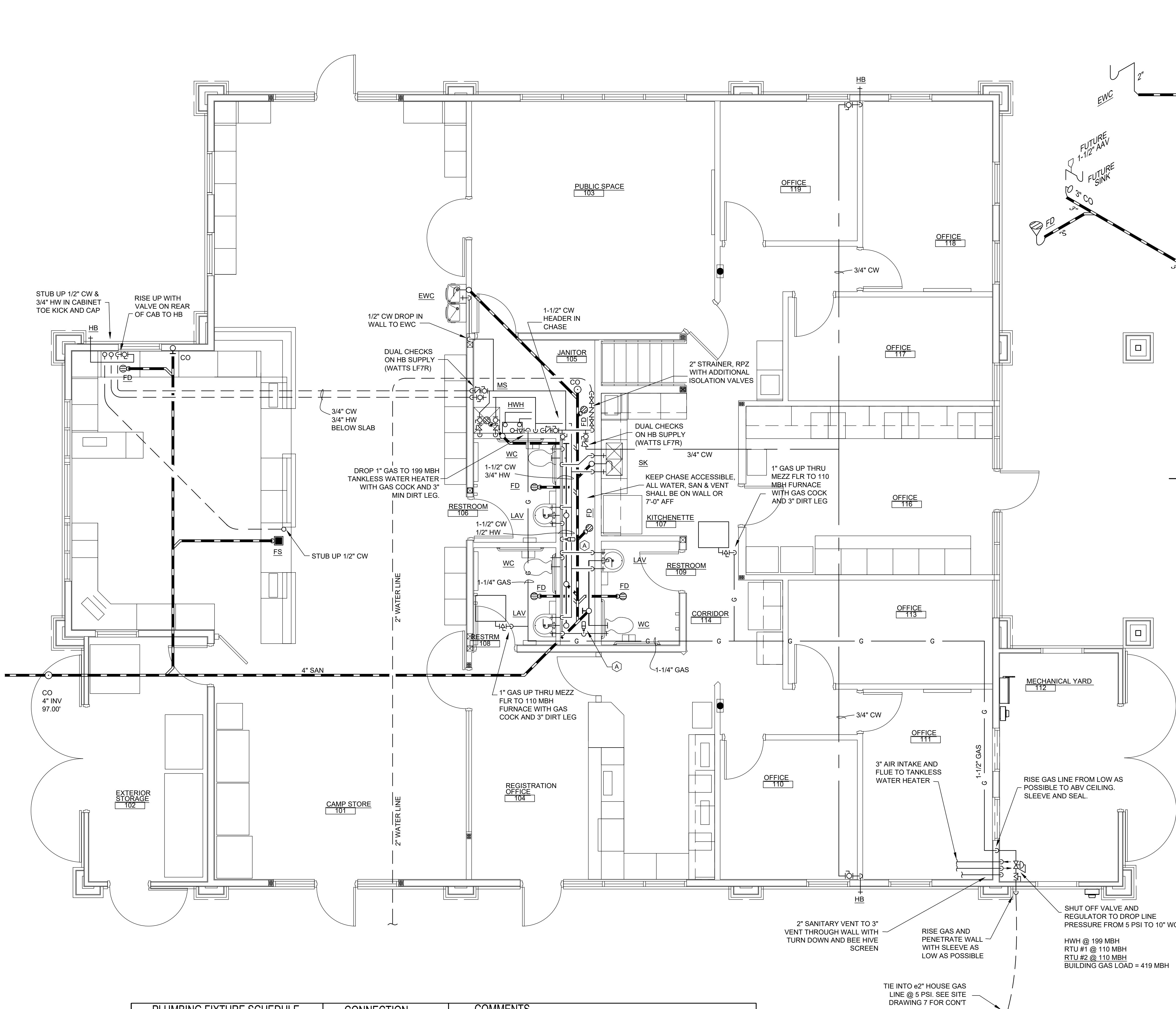
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CONSTRUCTION DOCUMENTS

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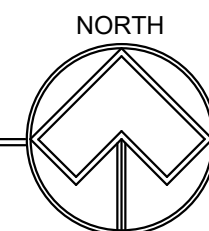


PLUMBING FIXTURE SCHEDULE		CONNECTION				COMMENTS
MARK	ITEM	WASTE	VENT	CW	HW	
WC	ADA WATER CLOSET	4"	2"	1"	-	ELONGATED, WALL MT, 750 LB CARRIER, 1.6 GPF MANUAL FLUSH VALVE HANDLE ON OPEN SIDE
LAV	ADA CHINA LAVATORY	1.5"	1.25"	1/2"	1/2"	MANUAL 0.5 GPM FAUCET, 1070 MIX VALVE, GRID DRAIN, CARRIER
FD	FLOOR DRAIN	3"	1.5"	1/2"	-	ROUND NICKEL-BRONZE STRAINER, "SURE SEAL" TRAP SEALER
EWC	ELECTRIC WATER COOLER	1.5"	1.25"	1/2"	-	ADA FOUNTAIN SPILL LEVEL, FILTERED, ELECTRONIC BOTTLE FILLER
MS	MOP SINK	3"	1.5"	3/4"	3/4"	1-10/16" FAUCET, DRAIN GRID, T-35 HOSE & HOOK
SK	COUNTERTOP SINK	2"	1.5"	1/2"	1/2"	NO GARBAGE DISPOSAL
WH	WATER HEATER	-	-	3/4"	3/4"	TANKLESS 199,000 BTU, 5.2 GPM @ 75°F RISE = 120°F
HB	HOSE BIBB - FREEZE PROOF	-	-	3/4"	-	EXTERIOR FREEZE PROOF HOSE BIBB, ENCASED, KEYED
FS	FLOOR SINK	3"	1.5"	-	-	1/2" PVC GRATE WITH BOTTOM DOME STRAINER

□ INSTALL PRO-WRAP OR EQUAL INSULATION/PROTECTION ON TRAP AND WATER VALVES FOR ADA COMPLIANCE

FIRST FLOOR PLUMBING PLAN

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

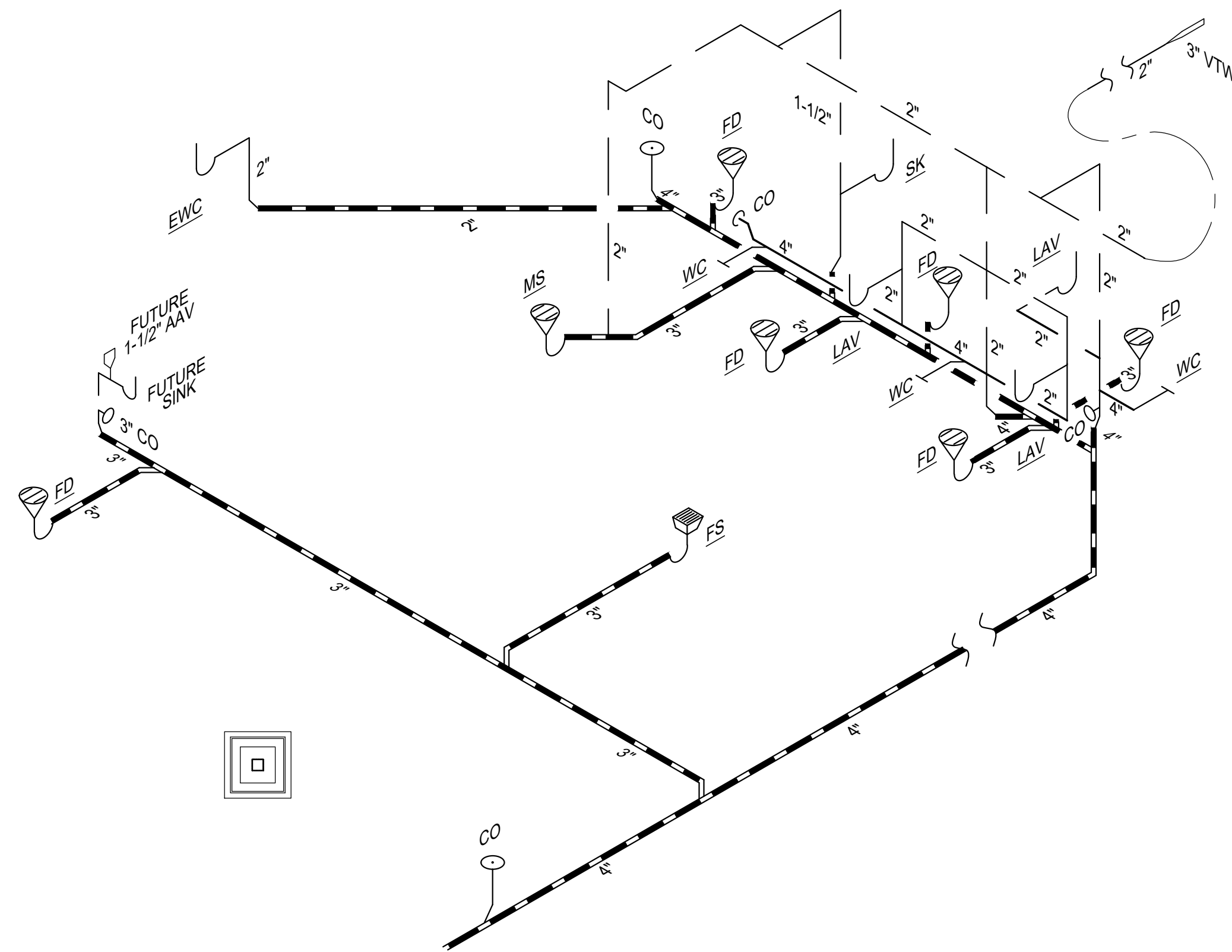


PLUMBING NOTES

- COORD WITH G.C. FOR CAPPING OF WATER, SANITARY AND GAS TO BUILDINGS BEING DEMOLISHED AS SHOWN ON SITE DRAWINGS 5 AND 6.
- COORD WITH G.C. FOR INSTALLATION OF WATER, SANITARY AND GAS TO NEW BUILDING AS SHOWN ON SITE DRAWING 7.
- DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER WITH SWEAT FITTING. 1" INSULATION ON DOMESTIC HOT WATER AND 1/2" ON COLD WATER. INSTALL VALVE STOPS AT ALL FIXTURES.
- ALL VENT/FLUE SHALL BE THROUGH SIDE OF BUILDING, NO ROOF PENETRATIONS

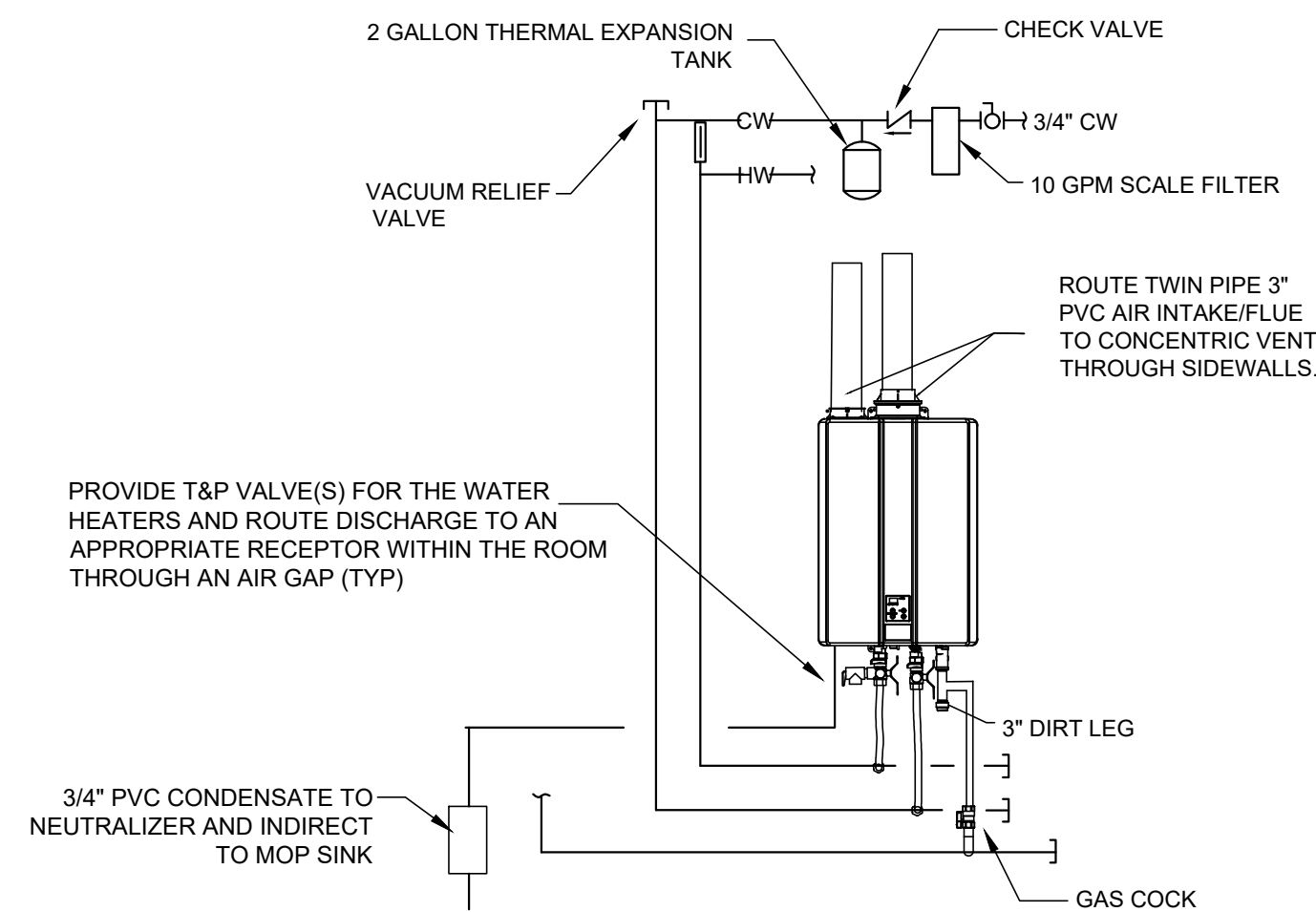
LEGEND

	SANITARY BELOW SLAB
	SANITARY ABOVE GROUND
	VENT
	GAS LINE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	GAS VALVE
	BALL VALVE
WHA	WATER HAMMER ARRESTOR
V.T.W.	VENT THROUGH WALL



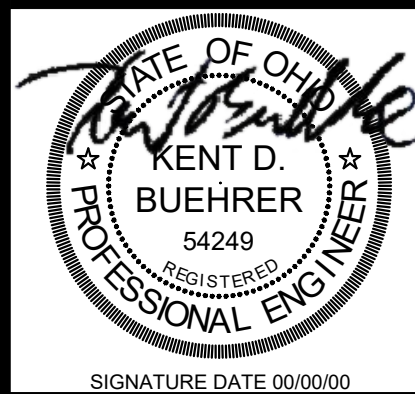
ISOMETRIC OF VENT AND WASTE PIPING

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



HOT WATER HEATER DETAIL

NO SCALE



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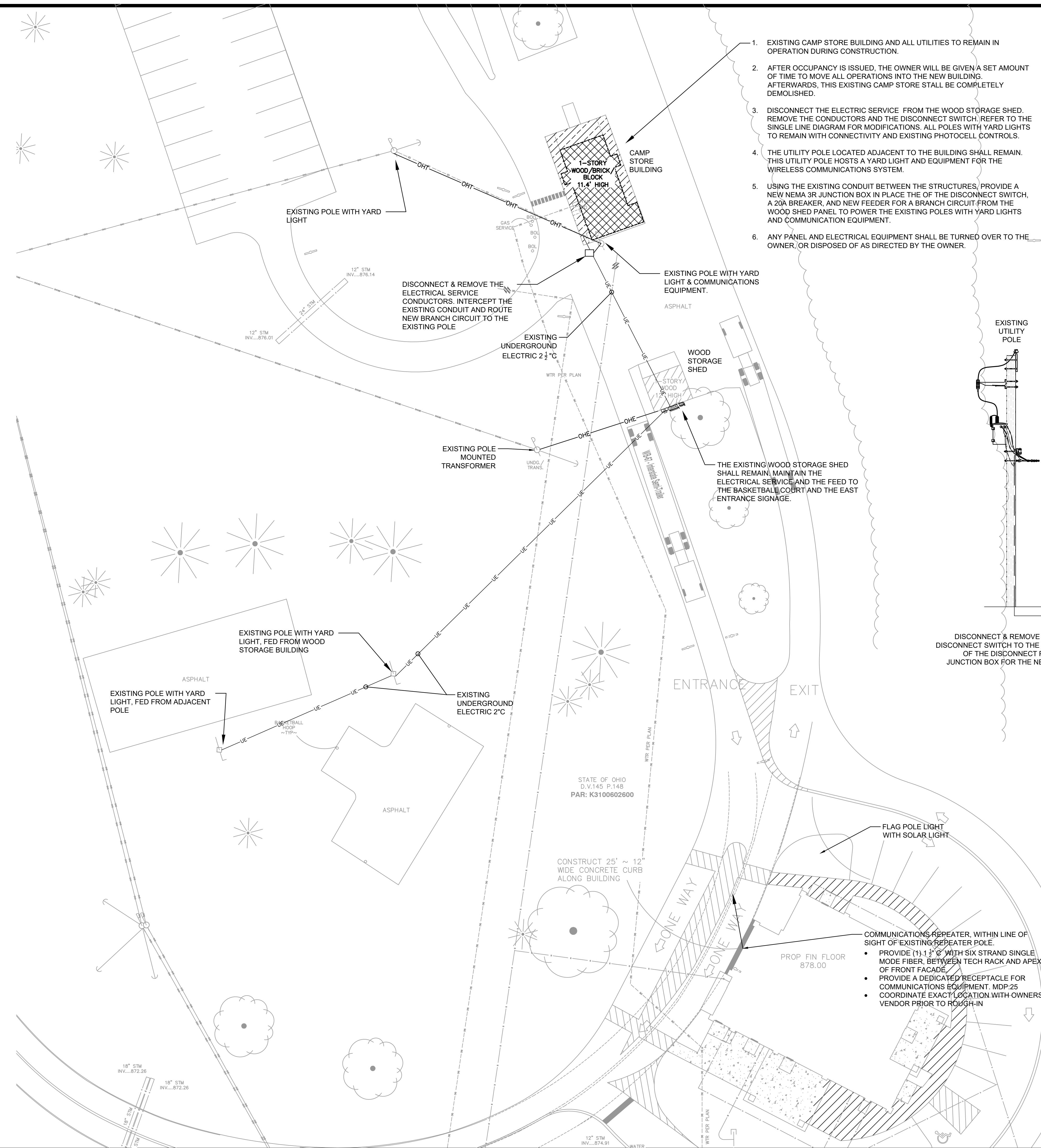


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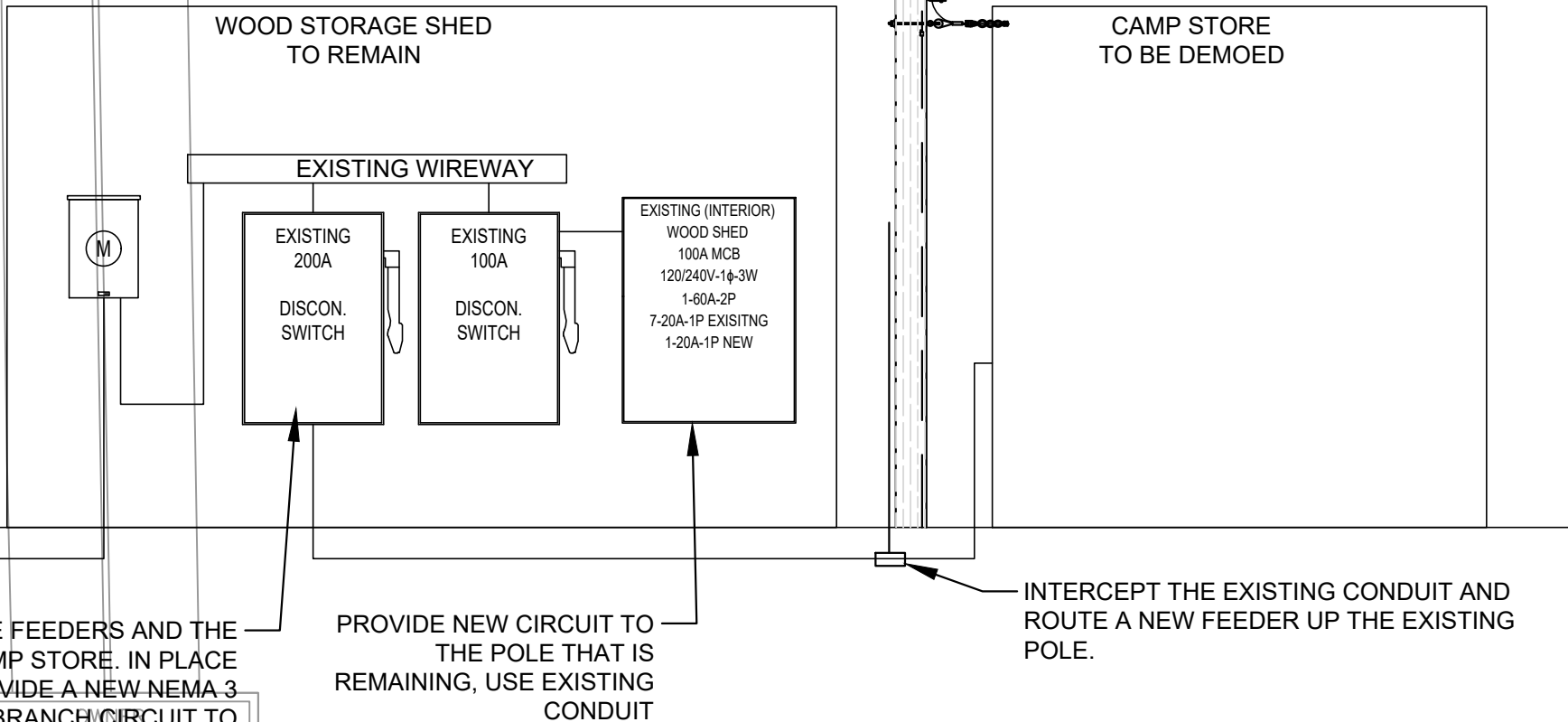
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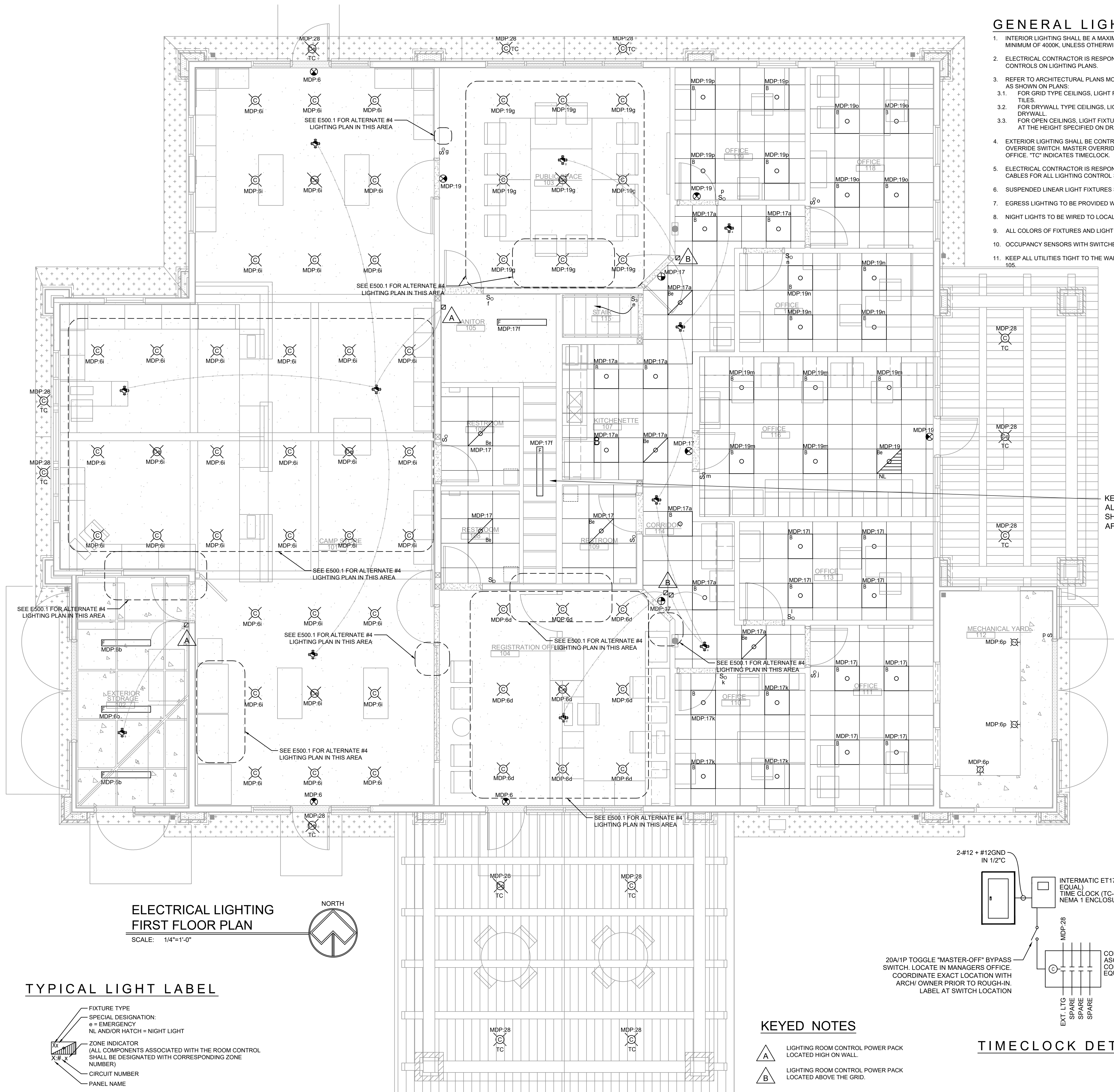
P100.1



EXISTING PANEL WOODSHED														
MAINS:		100	MCB	V:	120/240V			1	PH	3	WIRE			
MOUNTING:		SURFACE		LOCATION:						FED FROM:		SERVICE DISCONNECT		
DESCRIPTION		LOAD			AMPS	CKT	CKT	AMPS					LOAD	
		TYPE	A	B	POLE	#	#	POLE	A			B	TYPE	DESCRIPTION
MAIN					100	11	12	20					R	SOUTHSIDE RECEPTACLE
SHED LIGHTS		L				13	14	20G					K	W ICE MACHINE
EAST ICE MACHINE		K			20	16	16	20					R	NW OUTSIDE RECEPTACLE
EAST OUTSIDE RECEPTACLE		R			20	19	20	20	400				L	REPEATER POLE & LTS
FRONT CAMP ENTRANCE LIGHTS		L			20	21	22							
TENNIS / BASKETBALL		L			60	23	24							
						25	26							
						27	28							
SUBTOTAL #1			0	0					400			0	SUBTOTAL #2	
SUBTOTAL #1 + #2			400	0										
TOTAL PANEL LOAD:		0.4	KVA	1.7	AMPS							DEMANDED: #REF!	A MINIMUM FEEDER	

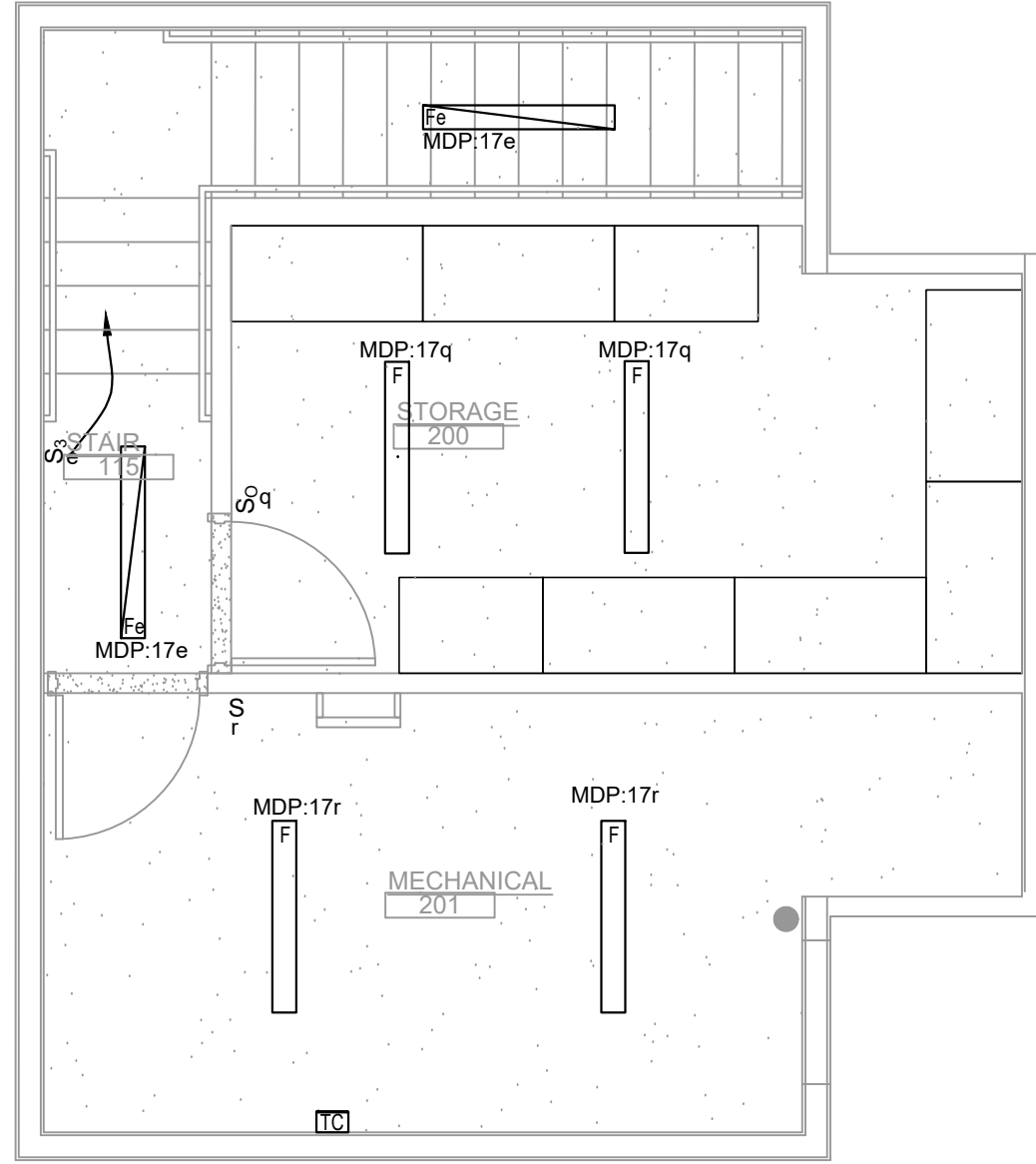


SINGLE LINE DIAGRAM,
120/240V, 1 ϕ , 3W, 200A



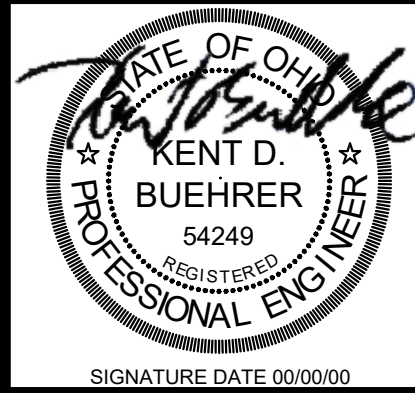
GENERAL LIGHTING NOTES

- INTERIOR LIGHTING SHALL BE A MAXIMUM OF 3500K, EXTERIOR LIGHTING SHALL BE A MINIMUM OF 4000K, UNLESS OTHERWISE NOTED.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REFERRING TO THE LIGHTING CONTROLS ON LIGHTING PLANS.
- REFER TO ARCHITECTURAL PLANS MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE AS SHOWN ON PLANS:
 - FOR GRID TYPE CEILINGS, LIGHT FIXTURES ARE TO BE MOUNTED INSIDE GRID TILES.
 - FOR DRYWALL TYPE CEILINGS, LIGHT FIXTURES ARE TO BE MOUNTED IN DRYWALL.
 - FOR OPEN CEILINGS, LIGHT FIXTURES SHALL BE MOUNTED VIA AIRCRAFT CABLE AT THE HEIGHT SPECIFIED ON DRAWINGS.
- EXTERIOR LIGHTING SHALL BE CONTROLLED WITH A TIMECLOCK & A MASTER OVERRIDE SWITCH. MASTER OVERRIDE SWITCH TO BE LOCATED IN MANAGERS OFFICE. "TC" INDICATES TIMECLOCK.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LOW-VOLTAGE CABLES FOR ALL LIGHTING CONTROL SYSTEM COMPONENTS.
- SUSPENDED LINEAR LIGHT FIXTURES SHALL BE LEVEL AND PARALLEL TO FLOOR.
- EGRESS LIGHTING TO BE PROVIDED WITH 90 MINUTE BATTERY BACK-UP.
- NIGHT LIGHTS TO BE WIRED TO LOCAL ROOM LIGHTING CIRCUIT OF SWITCH.
- ALL COLORS OF FIXTURES AND LIGHT CONTROLS TO BE SELECTED BY ARCHITECT.
- OCCUPANCY SENSORS WITH SWITCHES TO BE PROVIDED FOR ALL LOCATIONS.
- KEEP ALL UTILITIES TIGHT TO THE WALL IN THE PLUMBING CHASE OF JANITOR ROOM 105.



LIGHT FIXTURE LEGENDS

B	LED FIXTURE 1-30W-24"-LED-120V RECESSED 2' x 2' DIMMABLE (0-10V) LED FLAT PANEL TROFFER - 3500K - FOR GRID TYPE CEILING. EQUIP WITH LED DRIVER. "e" INDICATES BATTERY BACKUP. HATCHED SYMBOL DENOTES A NIGHTLIGHT. WIRED AHEAD OF THE SWITCH.
TC	LITHONIA CPX 2x2 3400LM 80CRI 35K MIN10 ZT MVOLT 22FP2335C METALUX 22FP2335C HUBBELL CFP22-3335 OR APPROVED EQUAL
C	LED FIXTURE 1-15W-6"-LED-120V RECESSED 6" LED DOWNLIGHT - MATTE WHITE - 1500 LUMENS - 3500K. NEW CONSTRUCTION HOUSING. WET LOCATION RATED. DIMMING OPTION IN ROOM 103 IF ALTERNATE 34 IS NOT ACCEPTED.
	LITHONIA LDN6 35/15 LOWWR MVOLT PRESCOLITE LF6SL-6LFS1535K8WT HALO PD615ED10-PDM6A835-61VWB
F	LED FIXTURE 1-40W-48"-LED-120V 2' x 4' LED STRIPLIGHT - "x" -3500K
	METALUX 4SLSTP4040DD-UNV LITHONIA 2L1D L48 5000LM FST MVOLT 35K 80CRI WH CURRENT LCL4-35ML-EU
H	OUTDOOR LED - 1-18W-LED-120V. WALL MOUNTED LED WALL PACK. 4000K SEE ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION. COLOR TO BE SELECTED BY ARCHITECT.
	HALO WP-18-50-LED/WPFLD-TRN LITHONIA ESXK1 AL0 SWW2 KY DDB ENVISION LED-ARL-15W-TRI-B2-TR
E	LED EXIT SIGN WITH 6" RED LETTERS IN WHITE PLASTIC HOUSING. MOUNTING AND ARROWS AS SHOWN. PROVIDE 90 MINUTES BATTERY BACKUP. DIFFUSE LENS. CENTER ABOVE DOORS.
	LITHONIA LQM S W 3 R 120/277 SURE-LITES APX7R DUAL-LITE EUEURW CHLORIDE VXL3RW COMPASS CE CER
S	LOCAL SWITCH - 1 POLE - 20A - 125/277V WITH COVER PLATE. MH=4'-0".
	HUBBELL 1221x P & S CSB20AC1-x COOPER 1221x LEVITON 1221-2x
S ₃	LOCAL SWITCH - 3 WAY - 20A - 125/277V WITH COVER PLATE. MH=4'-0".
	HUBBELL 1223x P & S CSB20AC3-x COOPER 1223x LEVITON 1223-2x
S ₄	LOCAL SWITCH - 4 WAY - 20A - 125/277V WITH COVER PLATE. MH=4'-0".
	HUBBELL 1224x P & S CSB20AC4-x COOPER 1224x LEVITON 1224-2x
S ₀	DUAL TECHNOLOGY OCCUPANCY SENSOR WALL SWITCH - 100W - 120/277V WITH COVER PLATE. MH=4'-0"
	HUBBELL AD2000x1 P & S WDT100x COOPER DW-100-x LEVITON WSD PDT x
S ₀	LOCAL DIMMER SWITCH - LED DRIVER DIMMING (0-10V). VERIFY COMPATIBILITY WITH LIGHT FIXTURES AND POWER PACKS PRIOR TO ORDERING.
	GREENGATE WBSD-010SLD-X LUTRON NTS7V-DV-XX SENSOR SWITCH SP0DMRD X P & S CD4FBL3PX CRESTRON CLW-DIMFLVEX-277-P-X-S
	DUAL TECHNOLOGY PIR / ULTRASONIC OCCUPANCY SENSOR RECESSED IN CEILING - 24VDC. SEE SPECS. COVERS UP TO 1,000 FT.² WITH 360° FIELD OF VIEW. EQUIP WITH LOW-VOLTAGE POWER PACK.
	GREENGATE OAC-DT-1000 SENSOR SWITCH RM PDT 9 WATTSTOPPER DT-300
	OCCUPANCY SENSOR CONTROL UNIT / POWER PACK - 120/277V - MOUNT ABOVE CEILING IN NEMA 1 ENCLOSURE. SEE SPECS.
	GREENGATE SP20-MV SENSOR SWITCH MP20 WATTSTOPPER BZ-50

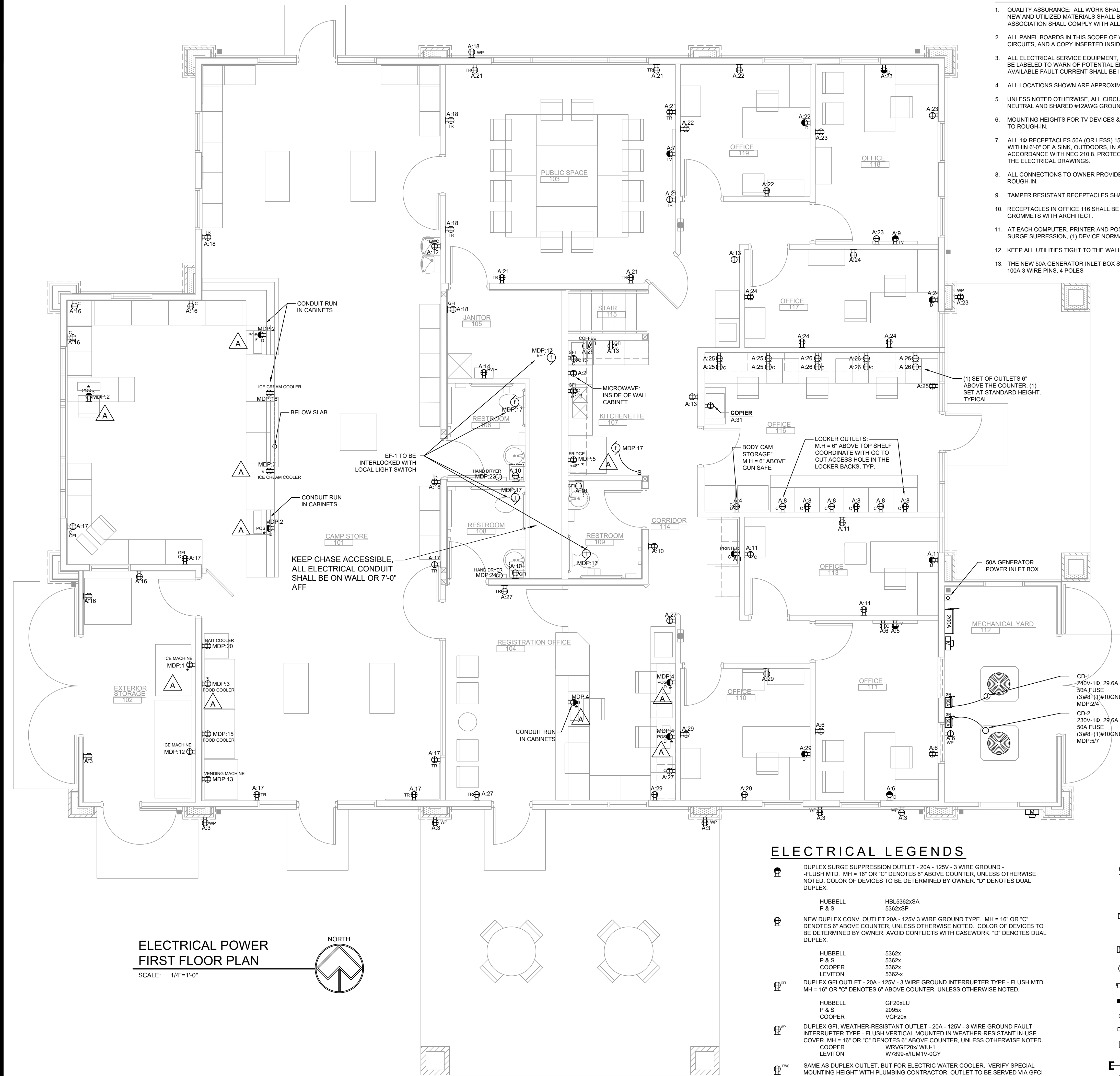


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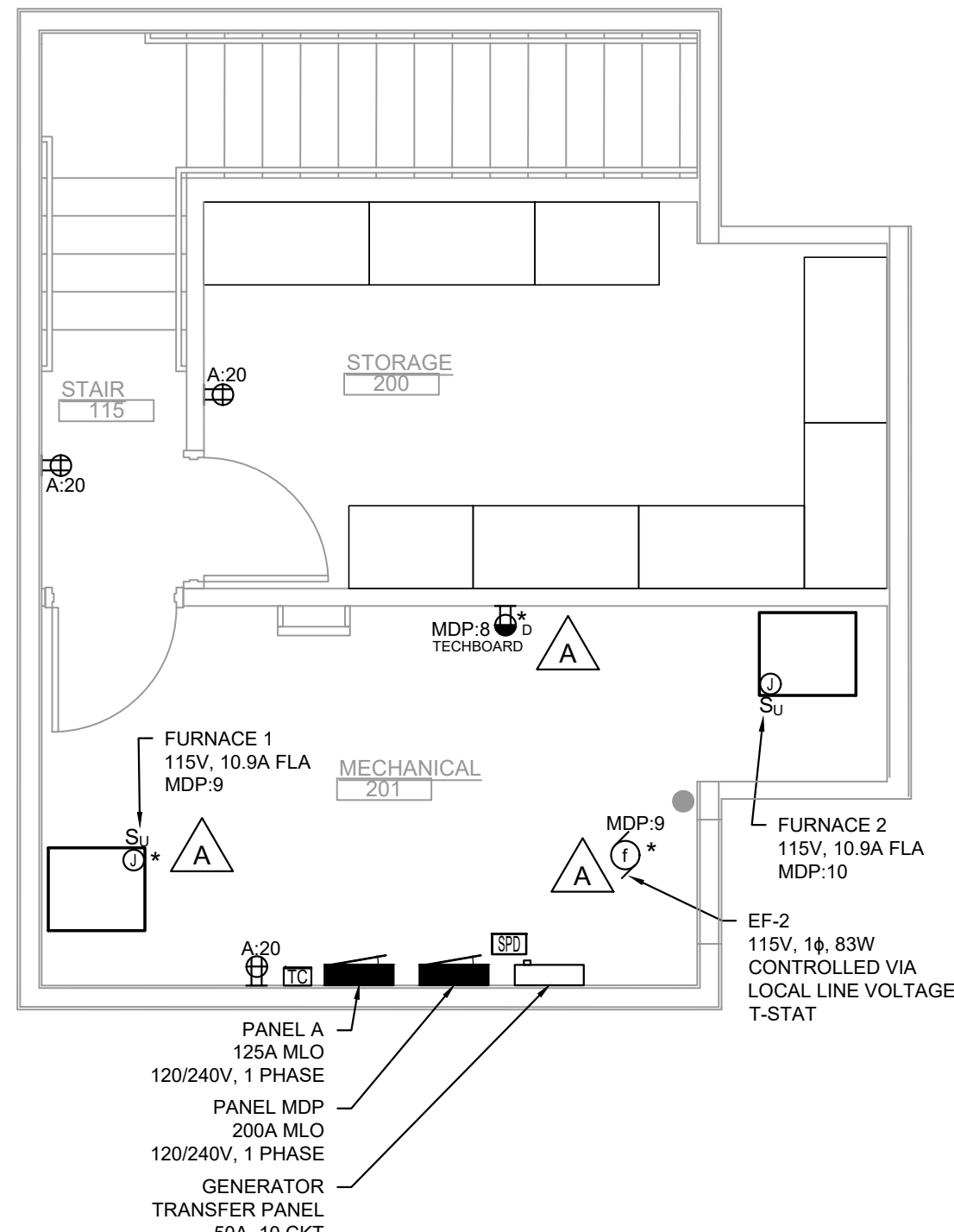
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JOB NUMBER: 241224
CONSTRUCTION DOCUMENTS

E100.1



GENERAL POWER NOTES

1. QUALITY ASSURANCE: ALL WORK SHALL BE IN ACCORDANCE WITH THE NFPA 70 - NATIONAL ELECTRICAL CODE 2023. ALL NEW AND UTILIZED MATERIALS SHALL BE UL - UNDERWRITER'S LABORATORY LISTED. OCCUPATIONAL HEALTH AND SAFETY ASSOCIATION SHALL COMPLY WITH ALL APPLICABLE OSHA STANDARDS.
2. ALL PANEL BOARDS IN THIS SCOPE OF WORK SHALL HAVE LABELED TYPED DIRECTORIES PROVIDED, INDICATING ALL CIRCUITS, AND A COPY INSERTED INSIDE THE PANEL DOOR.
3. ALL ELECTRICAL SERVICE EQUIPMENT, PANELBOARDS, AND ANY ADDITIONAL EQUIPMENT DETERMINED BY THE AHJ, SHALL BE LABELED TO WARN OF POTENTIAL ELECTRICAL ARC HAZARDS, IN ACCORDANCE WITH NEC 110.16. ADDITIONALLY, THE AVAILABLE FAULT CURRENT SHALL BE INDICATED AT THE SERVICE GEAR IN ACCORDANCE WITH NEC 110.24.
4. ALL LOCATIONS SHOWN ARE APPROXIMATE.
5. UNLESS NOTED OTHERWISE, ALL CIRCUIT HOMERUNS ON THIS SHEET SHALL BE #12AWG WITH DEDICATED #12AWG NEUTRAL AND SHARED #12AWG GROUND WIRE, IN 3/4" CONDUIT.
6. MOUNTING HEIGHTS FOR TV DEVICES & ASSOCIATED DEVICES TO BE COORDINATED WITH TV MOUNTING BRACKETS PRIOR TO ROUGH-IN.
7. ALL 1Ø RECEPTACLES 50A (OR LESS) 150V TO GND (OR LESS), OR 3Ø RECEPTACLES 100A (OR LESS) 150V TO GND (OR LESS) WITHIN 6'-0" OF A SINK, OUTDOORS, IN A KITCHEN, BATHROOM, OR ON A ROOFTOP SHALL BE GFCI PROTECTED - TYPICAL, IN ACCORDANCE WITH NEC 210.8. PROTECTION MAY BE INTEGRAL TO THE DEVICE OR AT THE PANELBOARD, AS INDICATED BY THE ELECTRICAL DRAWINGS.
8. ALL CONNECTIONS TO OWNER PROVIDED EQUIPMENT SHALL BE FIELD VERIFIED FOR ACTUAL LOCATION AND SIZE PRIOR TO ROUGH-IN.
9. TAMPER RESISTANT RECEPTACLES SHALL BE PROVIDED IN ALL AREAS LISTED IN NEC ARTICLE 406.12.
10. RECEPTACLES IN OFFICE 116 SHALL BE LOCATED BELOW AND ABOVE COUNTER. COORDINATE FINAL LOCATION OF GROMMETS WITH ARCHITECT.
11. AT EACH COMPUTER, PRINTER AND POS LOCATION WHERE THERE IS A DOUBLE DUPLEX SHOWN, (1) DEVICE SHALL BE SURGE SUPPRESSION, (1) DEVICE NORMAL OPERATION
12. KEEP ALL UTILITIES TIGHT TO THE WALL IN THE PLUMBING CHASE OF JANITOR ROOM 105.
13. THE NEW 50A GENERATOR INLET BOX SHALL MATCH THE EXISTING CONNECTION. GROUSE HINDS ARKITE SERIES PLUG, 100A 3 WIRE PINS, 4 POLES



ELECTRICAL POWER MEZZANINE PLAN

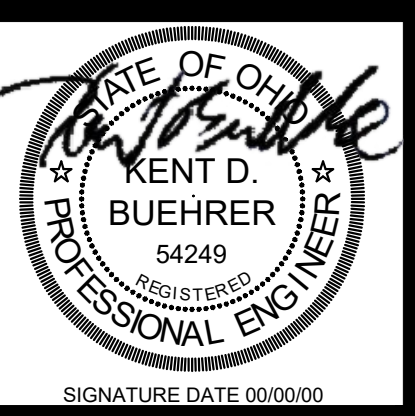
SCALE: 1/4"=1'-0"

KEYED NOTES

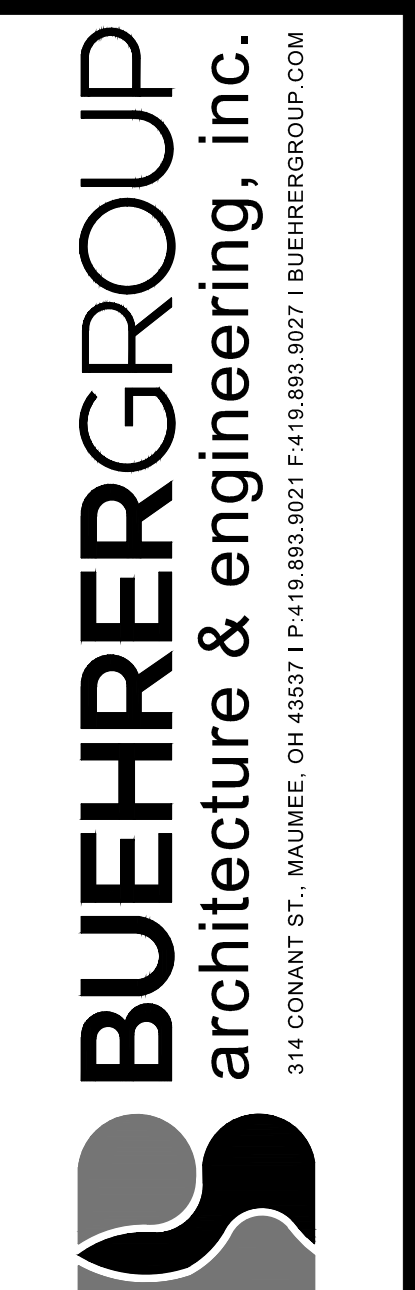
- A CIRCUITS CONNECTED TO THE GENERATOR PANEL

ELECTRICAL LEGENDS

- | | | | | | | |
|--|--|--|---------------|--------------------------|--|---|
| | DUPLEX SURGE SUPPRESSION OUTLET - 20A - 125V - 3 WIRE GROUND - FLUSH MTD. MH = 16" OR "C" DENOTES 6" ABOVE COUNTER, UNLESS OTHERWISE NOTED. COLOR OF DEVICES TO BE DETERMINED BY OWNER. "D" DENOTES DUAL DUPLEX. | | HUBBELL P & S | HBL5362xSA 5362xSP | | DUPLEX TAMPER-RESISTANT OUTLET - 20A - 125V - 3 WIRE GROUND TYPE - FLUSH MTD. MH = 16" OR "C" DENOTES 6" ABOVE COUNTER, UNLESS OTHERWISE NOTED. |
| | NEW DUPLEX CONV. OUTLET 20A - 125V 3 WIRE GROUND TYPE. MH = 16" OR "C" DENOTES 6" ABOVE COUNTER, UNLESS OTHERWISE NOTED. COLOR OF DEVICES TO BE DETERMINED BY OWNER. AVOID CONFLICTS WITH CASEWORK. "D" DENOTES DUAL DUPLEX. | | HUBBELL P & S | 5362x 5362x 5362x 5362-x | | WALL MOUNTED MECHANICAL TIME CLOCK - 120/277V. 7 DAY SPDT WITHIN NEMA1 ENCLOSURE. |
| | DUPLEX GFI OUTLET - 20A - 125V - 3 WIRE GROUND INTERRUPTER TYPE - FLUSH MTD. MH = 16" OR "C" DENOTES 6" ABOVE COUNTER, UNLESS OTHERWISE NOTED. | | HUBBELL P & S | COOPER LEVITON | | INTERMATIC ET1705C |
| | DUPLEX GFI WEATHER-RESISTANT OUTLET - 20A - 125V - 3 WIRE GROUND FAULT INTERRUPTER TYPE - FLUSH VERTICAL MOUNTED IN WEATHER-RESISTANT IN-USE COVER. MH = 16" OR "C" DENOTES 6" ABOVE COUNTER, UNLESS OTHERWISE NOTED. | | HUBBELL P & S | COOPER LEVITON | | SURGE SUPPRESSOR - MOUNT WITHIN 2' -0" OF MAIN DISTRIBUTION PANEL. SEE SPECS. |
| | SAME AS DUPLEX OUTLET, BUT FOR ELECTRIC WATER COOLER. VERIFY SPECIAL MOUNTING HEIGHT WITH PLUMBING CONTRACTOR. OUTLET TO BE SERVED VIA GFCI BREAKER. | | HUBBELL P & S | COOPER LEVITON | | FRACTIONAL HORSEPOWER MOTOR BY M.C. |
| | SAME AS DOUBLE DUPLEX OUTLET BUT FOR T.V. COORDINATE MOUNTING HEIGHT WITH BRACKET LOCATION. | | HUBBELL P & S | COOPER LEVITON | | SAFETY SWITCH - SIZE AS NOTED ("3R" RAIN TIGHT, "NF" NON-FUSED, "4X" STAINLESS STEEL) |
| | | | HUBBELL P & S | COOPER LEVITON | | SURFACE MOUNTED POWER PANEL - 120/240V-1Ø-3W. |
| | | | HUBBELL P & S | COOPER LEVITON | | ELECTRIC METER BY UTILITY COMPANY |
| | | | HUBBELL P & S | COOPER LEVITON | | GENERATOR TRANSFER SWITCH |
| | | | HUBBELL P & S | COOPER LEVITON | | GENERATOR POWER INLET BOX |
| | CONDUIT CAP | | HUBBELL P & S | COOPER LEVITON | | CONDUIT CAP |
| | JUNCTION BOX | | HUBBELL P & S | COOPER LEVITON | | JUNCTION BOX |

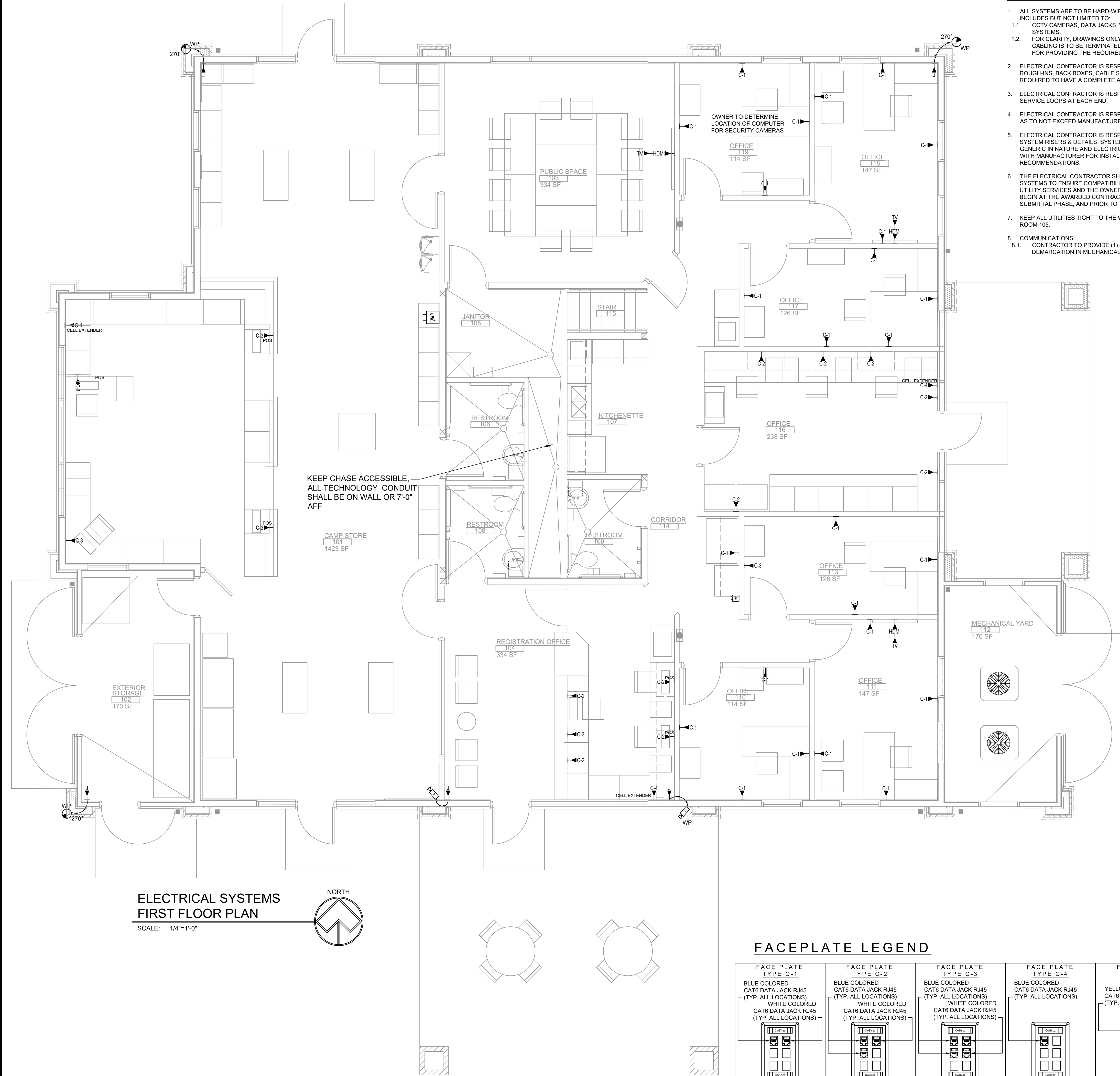


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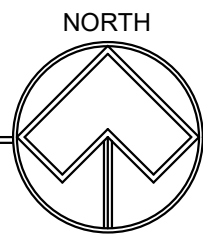
ISSUE DATE: 09/19/2025
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E200.1



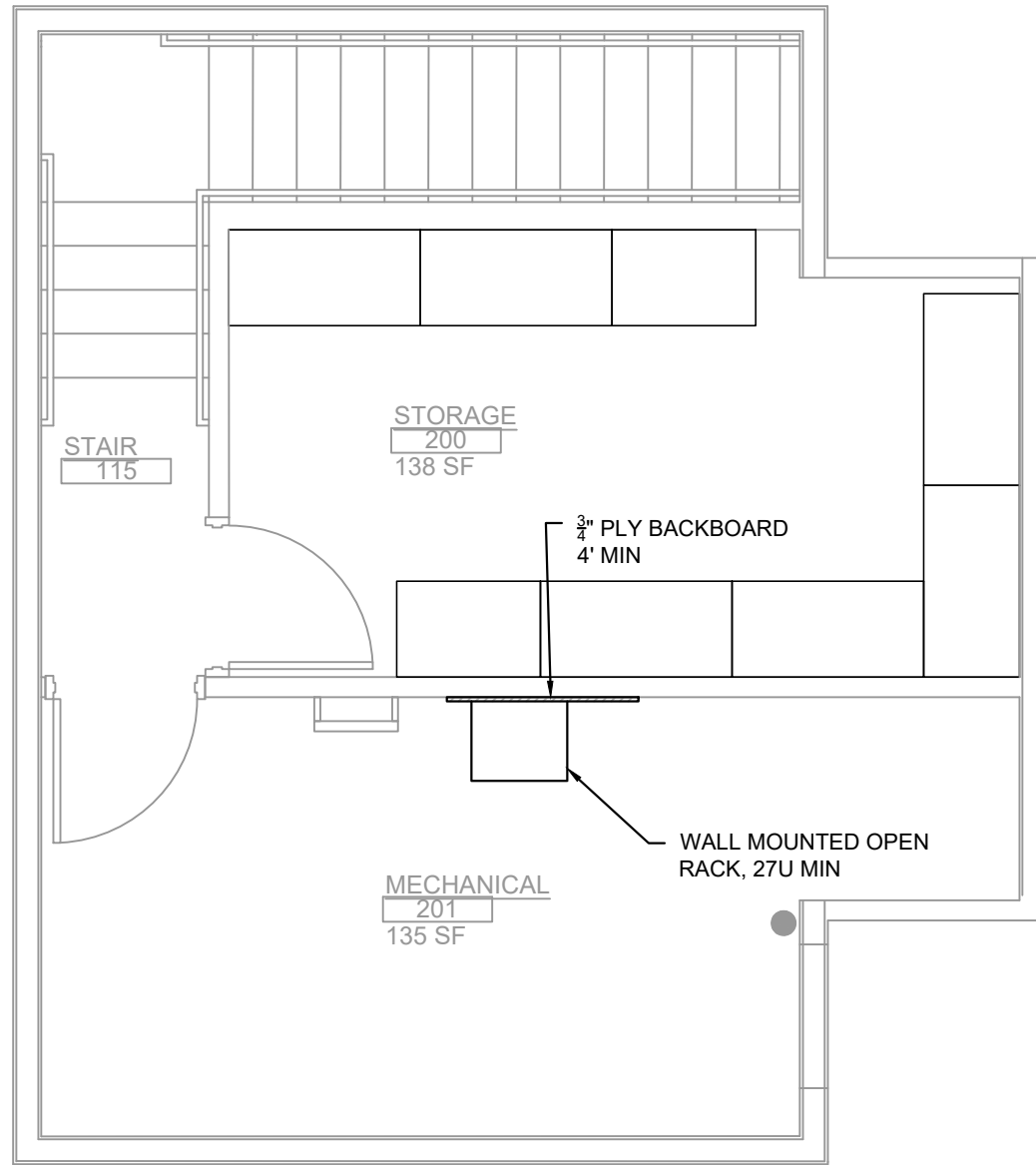
ELECTRICAL SYSTEMS
FIRST FLOOR PLAN

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



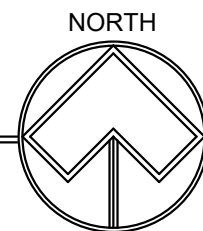
GENERAL SYSTEM NOTES:

- ALL SYSTEMS ARE TO BE HARD-WIRED, UNLESS OTHERWISE NOTED, THIS INCLUDES BUT NOT LIMITED TO:
 - CCTV CAMERAS, DATA JACKS, WIRELESS ACCESS POINTS, AND SECURITY SYSTEMS.
- FOR CLARITY, DRAWINGS ONLY SHOW FINAL LOCATIONS OF DEVICES WHERE CABLING IS TO BE TERMINATED, ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE REQUIRED CABLING FROM DEVICE TO DEVICE.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR LABELING & PROVIDING SERVICE LOOPS AT EACH END.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL CABLE LENGTHS AS TO NOT EXCEED MANUFACTURER SPECIFICATIONS.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL DRAWINGS FOR SYSTEM RISERS & DETAILS. SYSTEM RISERS & DETAILS SHOWN ON PLANS ARE GENERIC IN NATURE AND ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY WITH MANUFACTURER FOR INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL SYSTEMS TO ENSURE COMPATIBILITY, INCLUDING INTEGRATION WITH LOCAL UTILITY SERVICES AND THE OWNER'S VENDORS. THIS COORDINATION MUST BEGIN AT THE AWARDED CONTRACT AND BE COMPLETED PRIOR TO THE SUBMITTAL PHASE, AND PRIOR TO THE START OF ROUGH-IN WORK.
- KEEP ALL UTILITIES TIGHT TO THE WALL IN THE PLUMBING CHASE OF JANITOR ROOM 105.
- COMMUNICATIONS:
 - CONTRACTOR TO PROVIDE (1) 4" PVC FROM IN-GROUND FIBER BOX TO DEMARCATION IN MECHANICAL 201.
- OWNER TO SUPPLY AND INSTALL THE NETWORK SWITCH. CONTRACTOR SHALL PROVIDE AND INSTALL THE FOLLOWING: WALL MOUNTED, OPEN HALF RACK, PATCH PANELS, CABLE MANAGEMENT, FIBER CONNECTION TO MAINTENANCE BLDG 1, AND UPS.
- WIRELESS ACCESS POINTS WITH BE PROVIDED AND INSTALLED BY OWNER. CONTRACTOR TO PROVIDE CAT6 CABLING AND KEYSTONES IN FACEPLATES. COLOR OF CABLE & KEYSTONES TO BE SELECTED BY ARCHITECT/ OWNER. CONTRACTOR IS RESPONSIBLE FOR TESTING ALL CONTINUITY OF COMMUNICATION JACKS.
- CONTRACTOR TO PROVIDE CABLE TRAY ABOVE RACK AND OUT OF THE TECH ROOM TO MAIN CABLING ROUTES.
- CELL EXTENDERS TO BE PROVIDED AND INSTALLED BY OWNER.
- CONTRACTOR TO PROVIDE PATHWAY AND TRUNK TO THE EXISTING MAINTENANCE 1 BUILDING. FIBER SHALL BE 6 STRAND, SINGLE MODE IN 3" C. ROUTE FROM DATA RACK IN MEZZANINE, UNDERGROUND TO EXISTING POLE. THEN RUN AERIALLY TO THE EXISTING MAINTENANCE 1 BUILDING.
- COMMUNICATIONS REPEATER, WITHIN LINE OF SIGHT OF EXISTING REPEATER POLE.
- PROVIDE (1) 1 1/2" C WITH SIX STRAND SINGLE MODE FIBER, BETWEEN TECH RACK AND APEX OF FRONT FACADE.
- PROVIDE A DEDICATED RECEPTACLE FOR COMMUNICATIONS EQUIPMENT. MDP-25
- COORDINATE EXACT LOCATION WITH OWNERS VENDOR PRIOR TO ROUGH-IN.
- VOICE OVER IP
- ALL HARDWARE TO BE RELOCATED BY OWNER FROM EXISTING BUILDING TO NEW OFFICE, INCLUDING BUT NOT LIMITED TO, CISCO SWITCH/ROUTER AND ALL PHONES.
- PROGRAMMING AND INSTALLATION OF VOIP SYSTEM TO BE BY OWNER. CONTRACTOR TO INSTALL CAT6 CABLING & TERMINATIONS.
- CABLE & KEY STONE COLOR TO BE SELECTED BY ARCHITECT/ OWNER.
- SECURITY CAMERA SYSTEM:
 - CONTRACTOR TO PROVIDE AND INSTALL A STAND ALONE NVR SYSTEM THAT ALLOWS VIDEO RECORDING, POE CAMERAS, COMMERCIAL GRADE. NO SUBSCRIPTIONS ALLOWED.
 - CAMERA LOCATIONS SHOWN ON FLOOR PLANS, BUT VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
 - CABLE COLOR TO BE SELECTED BY ARCHITECT/ OWNER.
 - CONTRACTOR TO PROVIDE ALL HARDWARE AND COMPONENTS FOR A COMPLETE AND OPERABLE INSTALLATIONS.



ELECTRICAL SYSTEMS
MEZZANINE PLAN

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



COMMUNICATIONS LEGEND

SEE SPECIFICATIONS FOR ALL DEVICES ON THIS LEGEND.

- COMBINATION VOICE/DATA JACK. MH=16" UNLESS NOTED OTHERWISE. 1-1/2" CONDUIT STUB INTO CEILING SPACE.
- SINGLE DATA DROP FOR WIRELESS ACCESS 6" ABOVE CEILING GRID OR HIGH ON WALL. TERMINATE IN SURFACE MOUNTED BOX AS A J DROP.
- WALL MOUNTED OPEN DATA RACK
- 3/4" AC GRADE PLYWOOD TECH BOARD

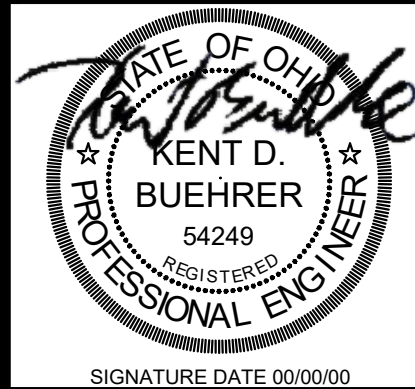
SECURITY SYSTEMS LEGEND

SEE SPECIFICATIONS FOR ALL DEVICES ON THIS LEGEND.

- SECURITY CAMERA MOUNTED IN CEILING OR ON WALL. COORDINATE HEIGHT WITH ARCHITECT. "WP" DENOTES WEATHER PROOF. "R" DENOTES RECESSED.
- NEW WEATHER-PROOF CCTV CAMERA FOR SECURITY SYSTEM.
- NEW WEATHER-PROOF CCTV CAMERA FOR SECURITY SYSTEM.

FACEPLATE LEGEND

FACE PLATE TYPE C-1 BLUE COLORED CAT6 DATA JACK RJ45 (TYP. ALL LOCATIONS) WHITE COLORED CAT6 DATA JACK RJ45 (TYP. ALL LOCATIONS) 4 BLANKS	FACE PLATE TYPE C-2 BLUE COLORED CAT6 DATA JACK RJ45 (TYP. ALL LOCATIONS) WHITE COLORED CAT6 DATA JACK RJ45 (TYP. ALL LOCATIONS) 3 BLANKS	FACE PLATE TYPE C-3 BLUE COLORED CAT6 DATA JACK RJ45 (TYP. ALL LOCATIONS) WHITE COLORED CAT6 DATA JACK RJ45 (TYP. ALL LOCATIONS) 2 BLANKS	FACE PLATE TYPE C-4 BLUE COLORED CAT6 DATA JACK RJ45 (TYP. ALL LOCATIONS) 5 BLANKS	FACE PLATE TYPE J YELLOW COLORED CAT6 DATA JACK RJ45 (TYP. ALL LOCATIONS) 5 BLANKS MOUNT 6" ABOVE CEILING FOR CCTV CAMERA	FACE PLATE TYPE TV BLUE COLORED CAT6 DATA JACK RJ45 (TYP. ALL LOCATIONS) 4 BLANKS	FACE PLATE TYPE HDMI 5 BLANKS	FACE PLATE TYPE WAP 5 BLANKS MOUNT 6" ABOVE CEILING OR HIGH ON WALL FOR WIRELESS ACCESS POINT
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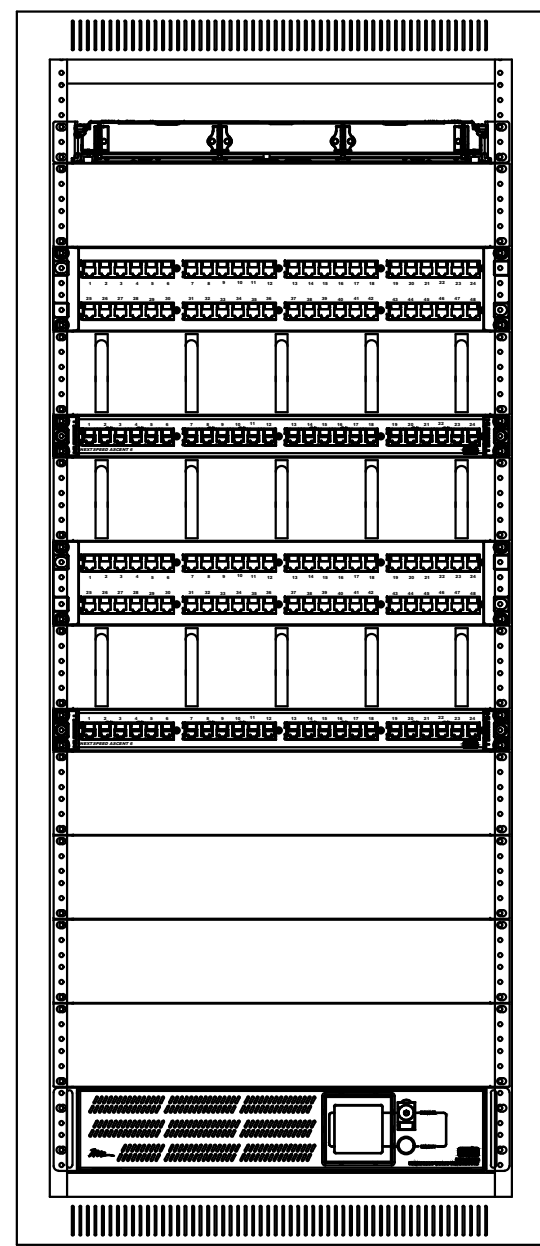
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CONSTRUCTION DOCUMENTS

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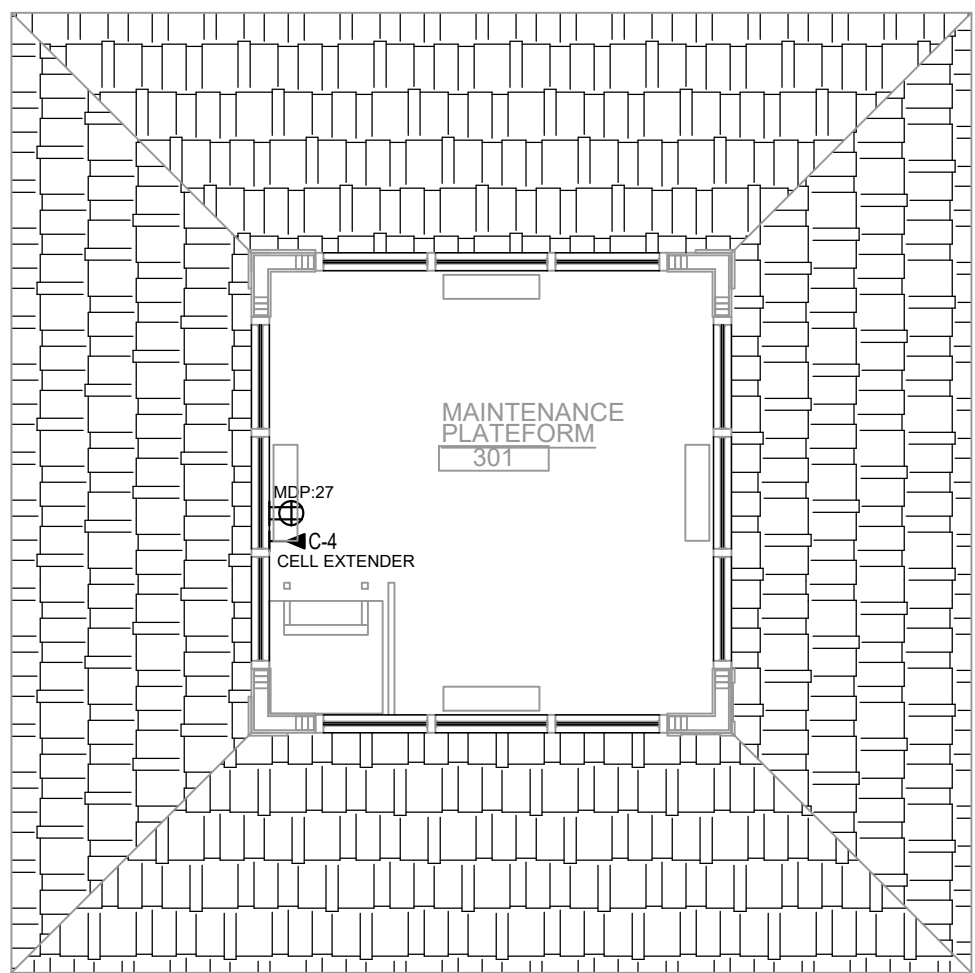
1RU FIBER CONNECTION TO MAINTENANCE BLDG
1. PROVIDED AND INSTALLED BY CONTRACTOR
2RU SPACE FOR NETWORK SWITCH
PROVIDED AND INSTALLED BY OWNER
2RU 48P CAT6 PATCH PANEL - DATA, CCTV
PROVIDED AND INSTALLED BY CONTRACTOR
2RU HORIZONTAL CABLE MANAGEMENT
PROVIDED AND INSTALLED BY CONTRACTOR
1RU 24P CAT6 PATCH PANEL - DATA, CCTV
PROVIDED AND INSTALLED BY CONTRACTOR
2RU HORIZONTAL CABLE MANAGEMENT
PROVIDED AND INSTALLED BY CONTRACTOR
2RU 48P CAT6 PATCH PANEL - VOIP
PROVIDED AND INSTALLED BY CONTRACTOR
2RU HORIZONTAL CABLE MANAGEMENT
PROVIDED AND INSTALLED BY CONTRACTOR
1RU 24P CAT6 PATCH PANEL - WAP
PROVIDED AND INSTALLED BY CONTRACTOR
2RU SPACE FOR CCTV SYSTEM
2RU SPACE FOR ADDITIONAL OWNER
EQUIPMENT
2RU SPACE FOR ADDITIONAL OWNER
EQUIPMENT
2RU UPS
PROVIDED AND INSTALLED BY CONTRACTOR
WALL MOUNTED 27U RACK
PROVIDED AND INSTALLED BY CONTRACTOR

RACK DETAIL

THE FINAL ARRANGEMENT OF THE TECH RACK IS SUBJECT TO CHANGE BASED ON SUBMITTED EQUIPMENT SPECIFICATIONS AND OWNER-PROVIDED DEVICES. COORDINATE WITH THE OWNER'S IT TEAM PRIOR TO INSTALLATION TO ENSURE ALIGNMENT WITH CURRENT REQUIREMENTS.

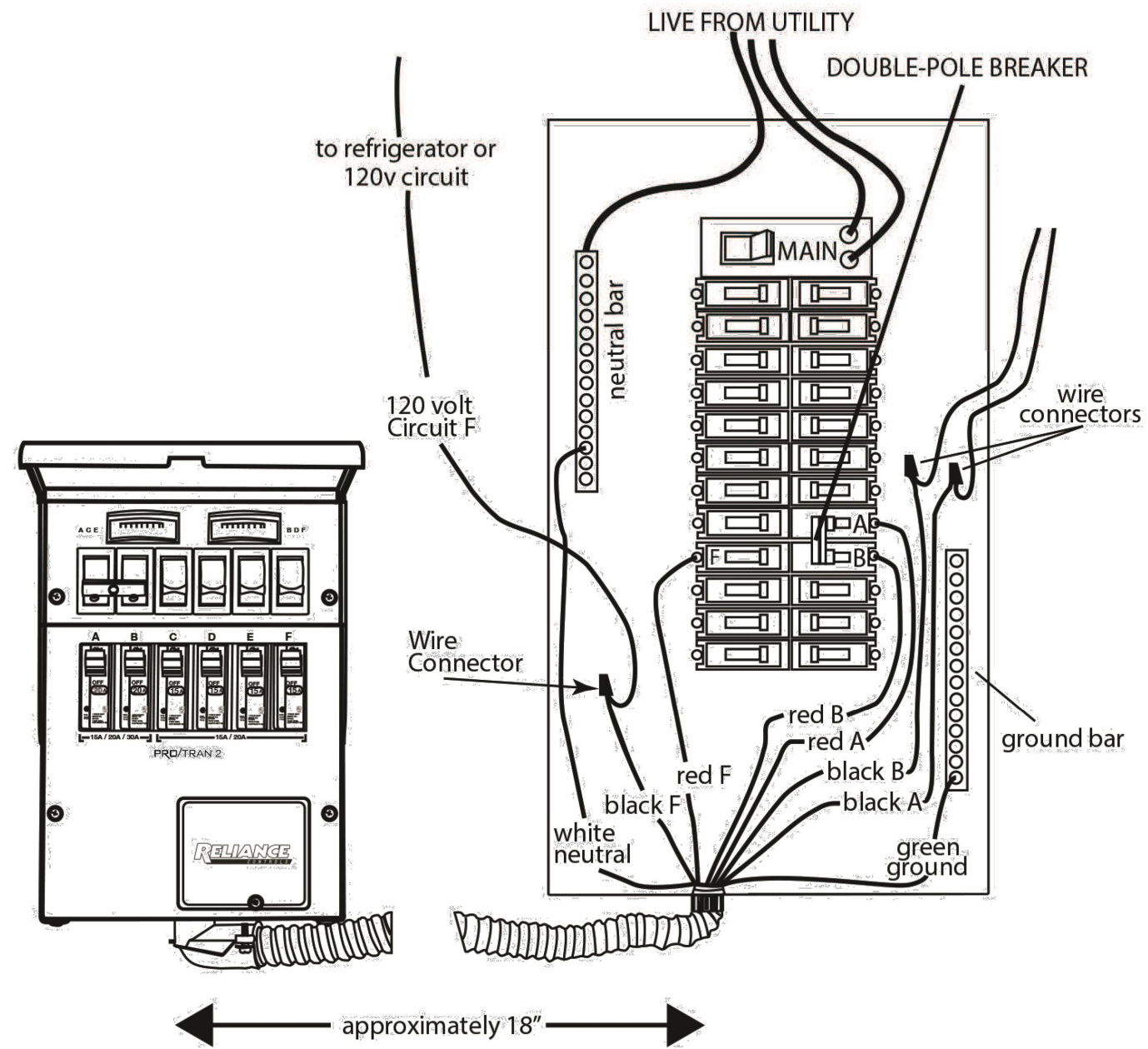
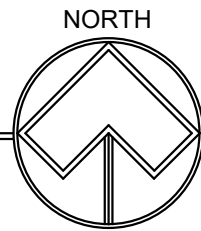
ROOM NUMBER	C-1	C-2	C-3	C-4	J	TV	HDMI	WAP	
OFFICE 119	4								
OFFICE 118	4				1	1	1		
OFFICE 117	5								
OFFICE 116		6		1					
OFFICE 113	3		1						
OFFICE 111	4					1	1		
OFFICE 110	4								
CORRIDOR 114	1	4	1		1			1	
REGISTRATION OFFICE 104				1	1				
CAMP STORE 101			4	1	1			1	
EXTERIOR STORAGE 102					1				
PUBLIC SPACE 103						1	1		
CUPOLA				1					
TOTAL									
TOTAL FACEPLATES	25	10	6	4	5	3	3	2	58
T.DATA JACKS	25	20	12	4	5	3	0	2	71
T.VOICE JACKS	25	10	12	0	0	0	0	0	47
HDMI JACKS	0	0	0	0	0	3	3	0	6
TOTAL NUMBER OF JACKS									124

THE QUANTITIES INDICATED ARE APPROXIMATE AND PROVIDED SOLELY FOR GENERAL REFERENCE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND FURNISH THE ACCURATE QUANTITIES AND APPROPRIATE TYPES OF CONNECTIONS REQUIRED FOR THE SCOPE OF WORK.



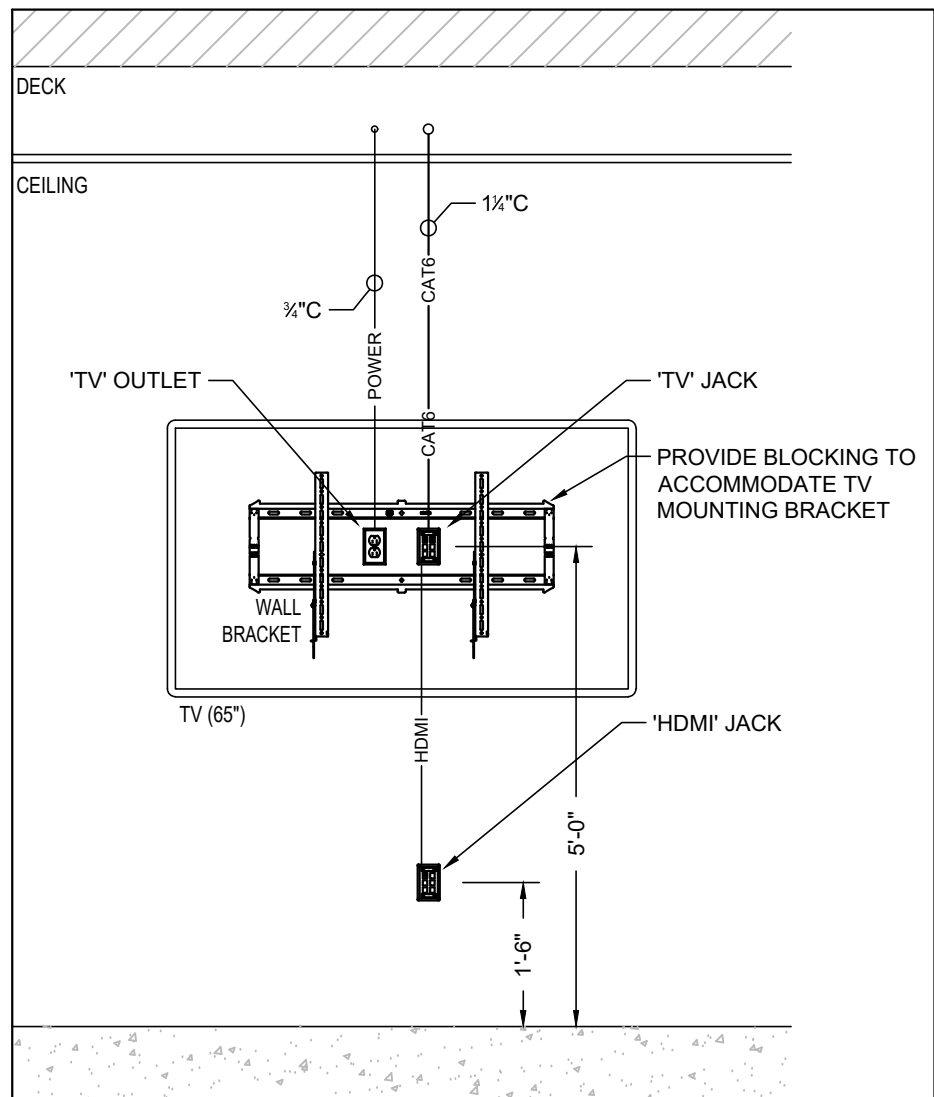
ELECTRICAL SYSTEMS CUPOLA PLAN

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



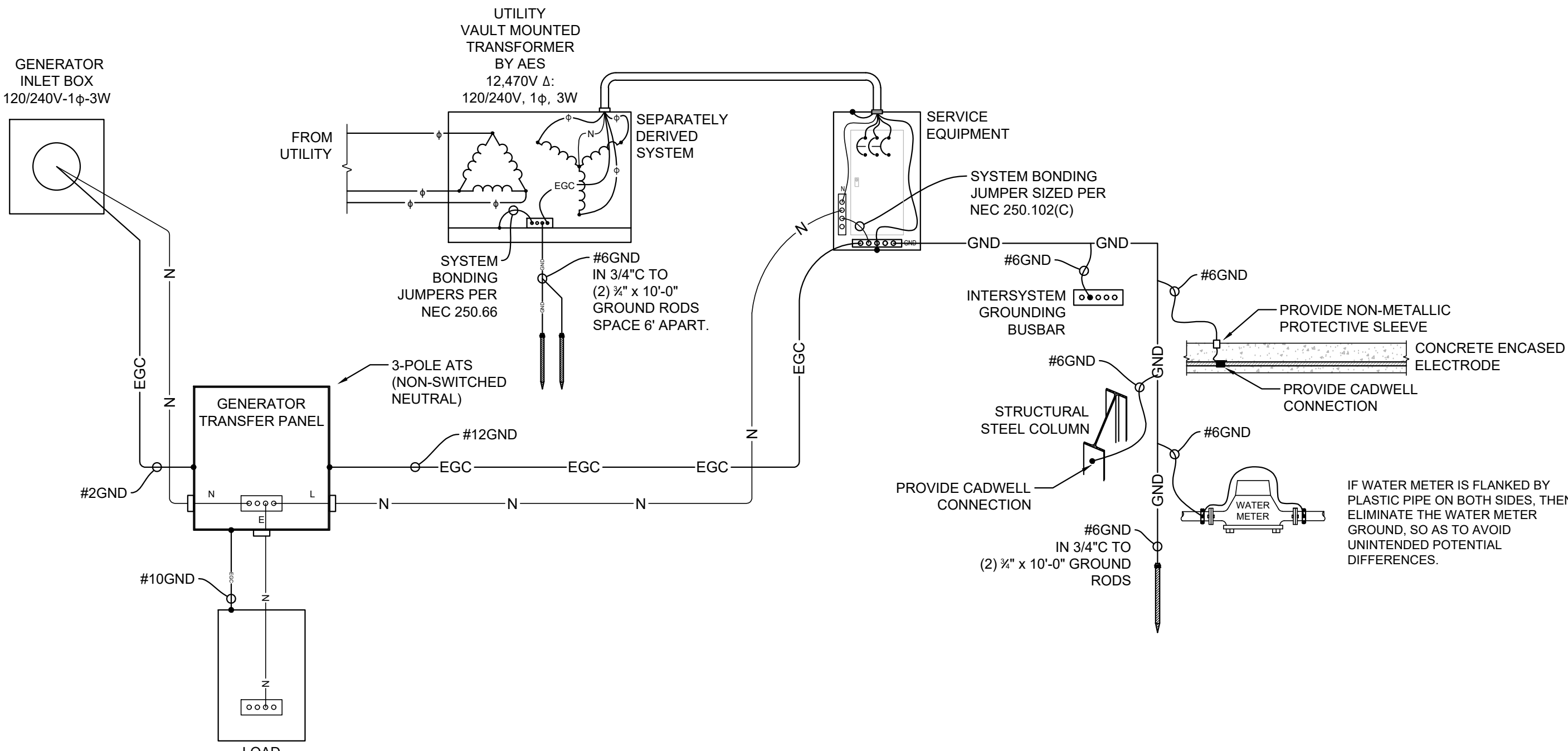
GENERATOR PANEL WIRING

GENERATOR PANEL WIRING DIAGRAM IS GENERAL IN NATURE, REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS.



TV GENERAL MOUNTING HEIGHT DETAIL

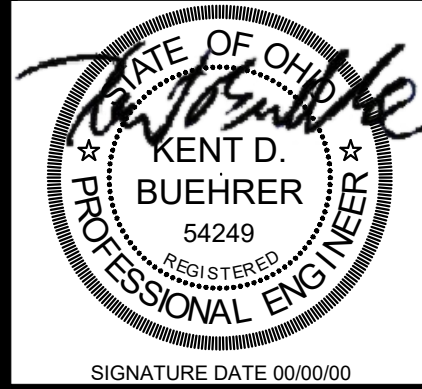
TV DETAIL IS GENERAL IN NATURE. COORDINATE EXACT MOUNTING HEIGHTS WITH THE ARCHITECT AND OWNER PRIOR TO ROUGH-IN.



GENERATOR GROUNDING DETAIL

GROUNDING NOTES:

1. CONNECT THE SERVICE NEUTRAL CONDUCTOR ACCORDING TO NEC 250.24(A)(1), AND AS IDENTIFIED IN NEC 250.26.
2. IF AN OUTDOOR TRANSFORMER IS SUPPLYING SERVICE TO THE BUILDING, AT LEAST ONE ADDITIONAL GROUNDING CONNECTION SHALL BE MADE FROM THE GROUNDED SERVICE CONDUCTOR TO A GROUNDING ELECTRODE PER NEC 250.24(A)(2).
3. THE MAIN BONDING JUMPER AS WELL AS THE SYSTEM BONDING JUMPER AS IDENTIFIED BY 205.28 SHALL BE SIZED PER 250.102(C)(1).
4. WHEN GROUNDING A SEPARATELY DERIVED SYSTEM FOR A GROUNDED SYSTEM, ALL GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH 250.30(A).
5. PER NEC 250.52, ELECTRODES PERMITTED FOR GROUNDING INCLUDE: METAL UNDERGROUND WATER PIPE, THE METAL FRAME OF THE BUILDING OR STRUCTURE, AND CONCRETE ENCASED ELECTRODES.
 - 5.1. WHEN USING THE METAL UNDERGROUND WATER PIPE AS THE GROUNDING ELECTRODE, THE BONDING SHALL BE MADE WITHIN THE FIRST 5 FEET OF ENTERING THE BUILDING.
6. IF A SINGLE GROUND ROD IS BEING USED AS A SUPPLEMENTAL ELECTRODE TO A METAL UNDERGROUND WATER PIPE PER 250.53(D)(2) AND HAS A RESISTANCE OF LESS THAN 250, THEN A SUPPLEMENTAL GROUND ROD IS REQUIRED AND BE SPACED AT 6' APART PER NEC 250.53(A) EXCEPTION AND 250.53(B).
7. THE BONDING JUMPER USED TO CONNECT THE GROUNDING ELECTRODES TOGETHER SHALL BE SIZED PER TABLE 250.66.
 - 7.1. THE BONDING JUMPER WHERE CONNECTED TO THE SUPPLEMENTAL GROUND ROD IS NOT REQUIRED TO BE LARGER THAN #6 AWG CU OR #4 AWG AL.
8. GROUNDING ELECTRODE CONDUCTOR(S) AND BONDING JUMPERS INTERCONNECTING GROUNDING ELECTRODES SHALL BE INSTALLED IN ACCORDANCE WITH 250.64(F)(1),(2), OR (3).
- 8.1. THE GROUNDING ELECTRODE CONDUCTOR SHALL BE PERMITTED TO BE RUN TO ONE OR MORE GROUNDING ELECTRODE(S) INDIVIDUALLY.
- 8.2. BONDING JUMPER(S) FROM GROUNDING ELECTRODE(S) SHALL BE PERMITTED TO BE CONNECTED TO AN ALUMINUM OR COPPER BUS BAR NOT LESS THAN 1" x 2" AND FASTENED SECURELY TO AN ACCESSIBLE LOCATION.



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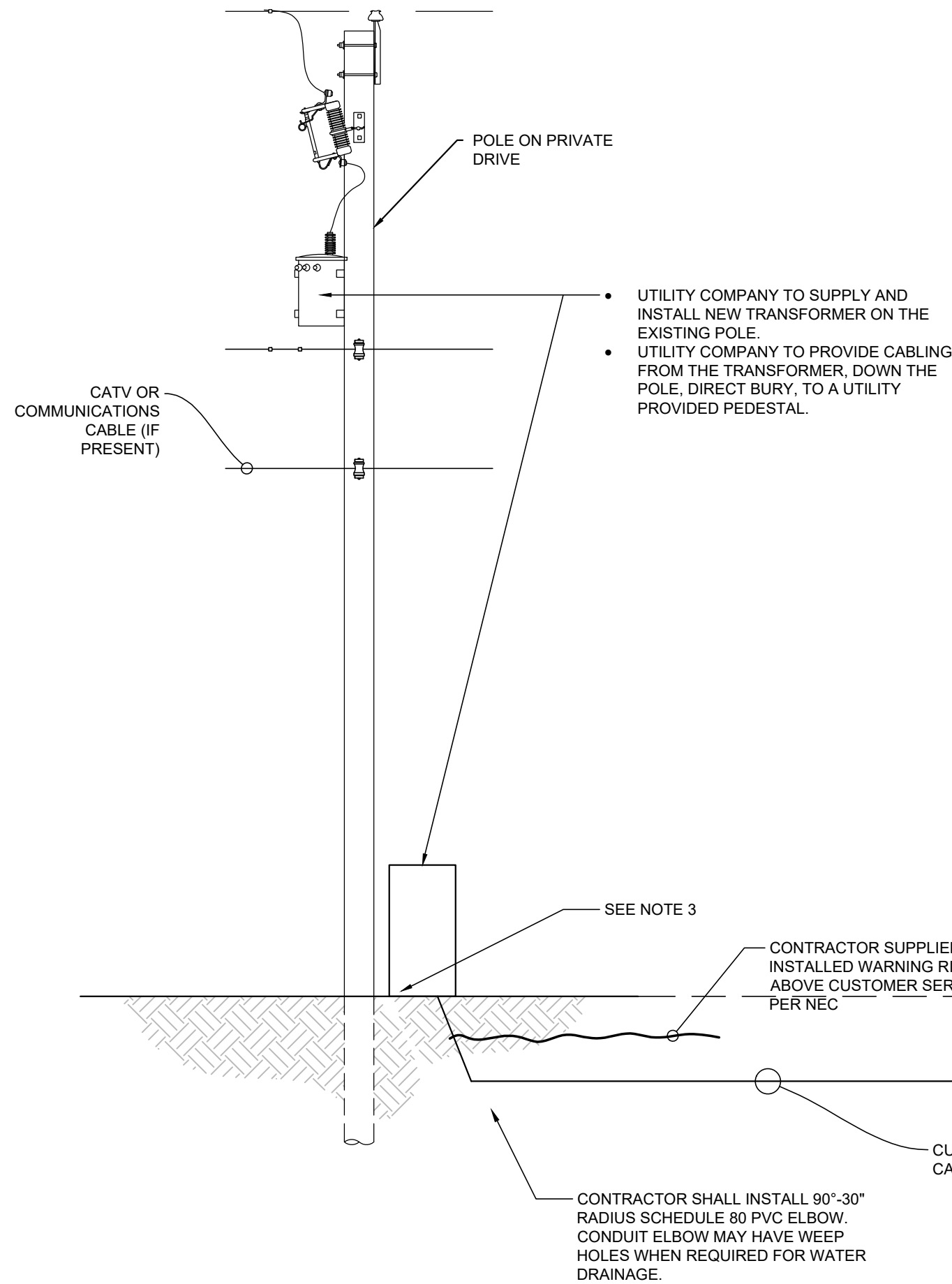
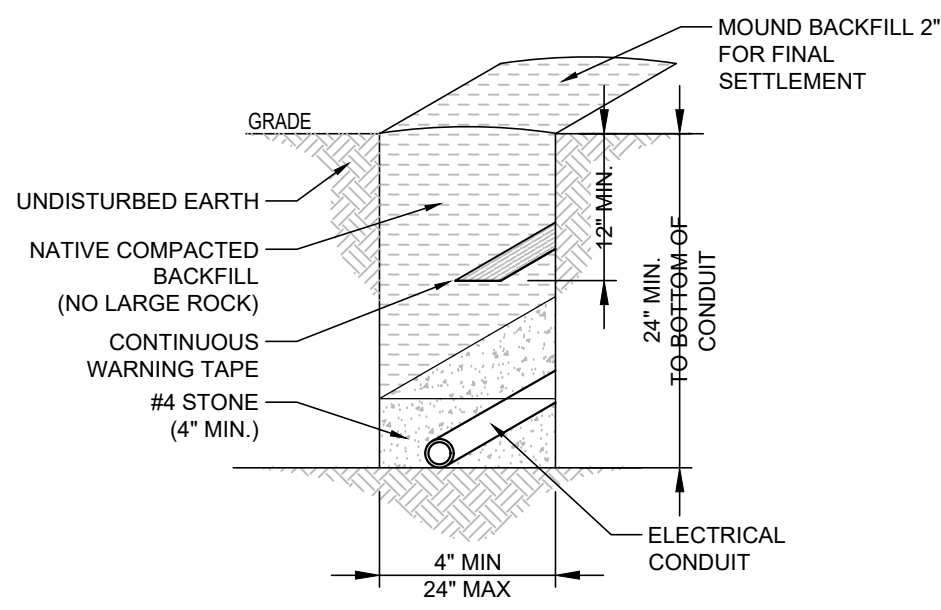
ISSUE DATE: 09/19/2025

JOB NUMBER: 241224

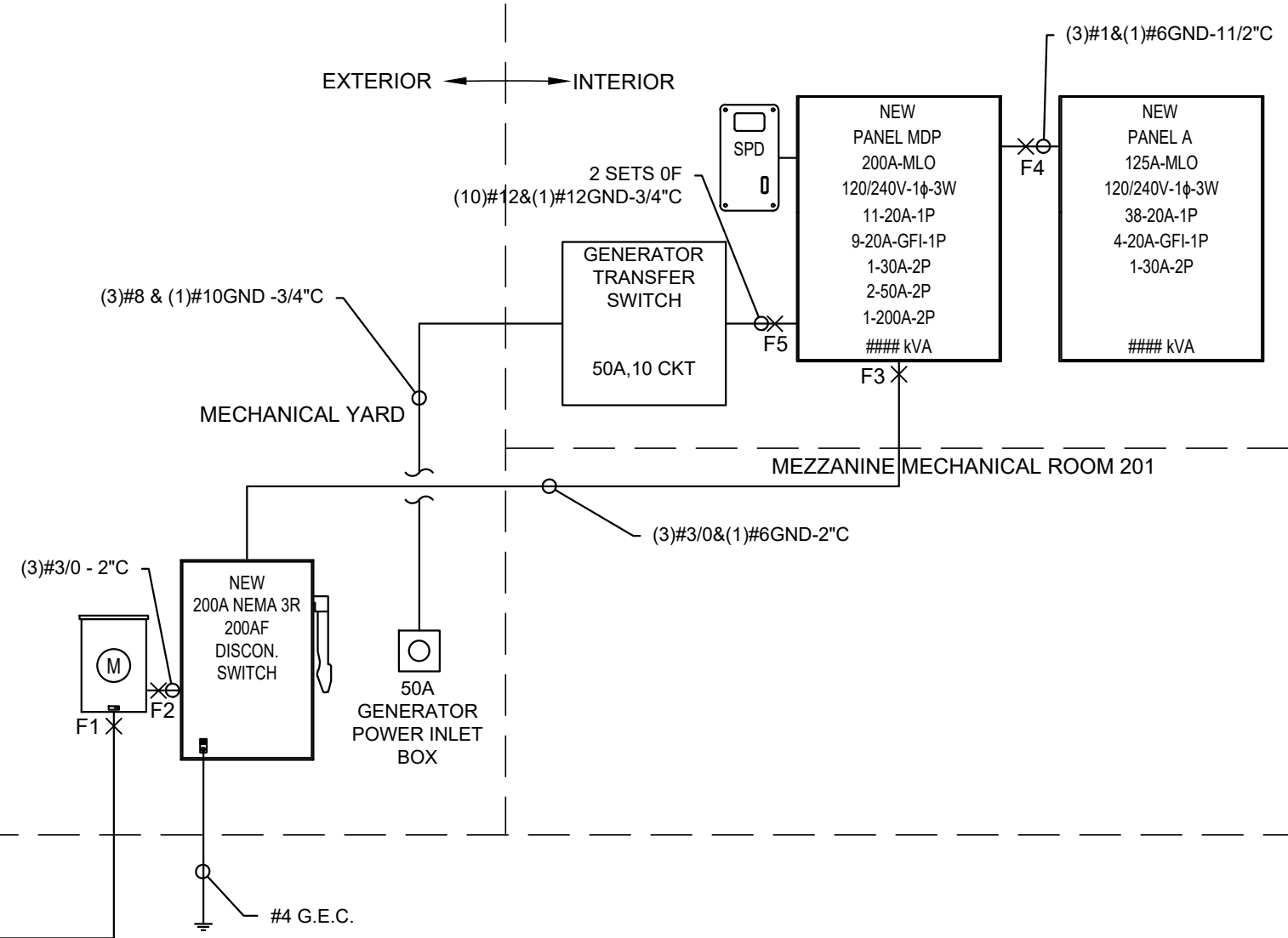
CONSTRUCTION DOCUMENTS

E300.2

UNDERGROUND TRENCHING DETAIL



SINGLE LINE DIAGRAM, 120/240V, 1 ϕ , 3W, 200A



GENERAL PROJECT NOTES:

- ALL CONDUIT SHALL BE INSTALLED WITHIN WALLS. ANY CONDUIT THAT MUST REMAIN EXPOSED REQUIRES PRIOR EXPLICIT APPROVAL.
- IF THERE'S A CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE CONTRACTOR SHALL BASE THEIR BID ON THE MORE DEMANDING OR COSTLY INTERPRETATION.

NOTES FROM UTILITY GUIDELINES:

- FOR CUSTOMER / COMPANY RESPONSIBILITIES, REFER TO AES HANDBOOK.
- CAUTION: ONLY QUALIFIED PERSONNEL ARE PERMITTED TO INSTALL ELECTRICAL EQUIPMENT IN THE VICINITY OF ENERGIZED ELECTRICAL LINES AS DESCRIBED IN OSHA 1910 SUBPART R & S.
- COMPANY SHALL DETERMINE THE LOCATION / POSITION OF VERTICAL RISERS ON THE POLE BASED ON TRAFFIC FLOW AND LOCATION OF CATV, OR TELEPHONE CO. ATTACHMENTS.
- ALL SERVICE INSTALLATIONS SHALL MEET NEC, STATE, AND LOCAL CODES AND REGULATIONS.
- CUSTOMER SHALL CONTACT THE COMPANY BEFORE INSTALLING ANY FACILITIES ON THE COMPANY-OWNED POLE. CUSTOMER SHALL SUPPLY ALL OF THE REQUIRED ELECTRICAL-GRADE CONDUIT, BRACKETS / CLAMPS, WEATHERHEAD, AND CABLE. THE CUSTOMER SHALL BE RESPONSIBLE FOR INSTALLING THE FIRST TEN (10) FEET OF SCHEDULE 80 PVC OR RIGID METALLIC CONDUIT ON THE POLE. CUSTOMER SHALL SUPPLY A CONTINUOUS LENGTH OF CABLE TO REACH THE OVERHEAD POWER SOURCE PLUS AN ADDITIONAL FIVE (5) FEET REQUIRED FOR DROP LOOP AND TERMINATION. THE CABLE SHALL BE COILED UP AND TEMPORARILY ATTACHED ON THE POLE TEN (10) FEET ABOVE GROUND. CUSTOMER SHALL COORDINATE THE INSTALLATION WITH THE COMPANY.
- CONDUIT SIZE IS LIMITED TO 3" OR 4" DIA. CONDUIT.

FAULT	Fx	EQUIPMENT
F0	20833	UTILITY CO
F1	8155	METER
F2	8066	DISCONNECT SWITCH
F3	6617	PANEL MDP
F4	6531	PANEL A
F5	5670	TRANSFER SWITCH

INITIAL FAULT VALUE IS ASSUMED FROM INFINITE IMPEDENCE VALUE OF THE 50KVA UTILITY TRANSFORMER. CONTRACTOR TO COORDINATE EXACT VALUE WITH UTILITY COMPANY.

PANEL MDP											
MAINS:		200A	MLO	V:	120/240V	1	PH.	3	WIRE		
MOUNTING:		SURFACE	LOCATION:	MECHANICAL ROOM 201				FED FROM:		MAIN DISCONNECT	
		LOAD			AMPS	CKT	CKT	AMPS		LOAD	
DESCRIPTION	TYPE	A	B	POLE	#	#	POLE	A	B	TYPE	DESCRIPTION
* ICE MACHINE	K	1500		20G	1	2	20	1200		R	POS
* FOOD COOLER	K		1000	20G	3	4	20		1200	R	POS
* FRIDGE	K	1500		20G	5	6	20	855		L	LIGHTS
* ICE CREAM COOLER	K		1000	20G	7	8	20		400	R	TECHBOARD
* F-1 & EF-2	HVAC	1391		20	9	10	20	1391		HVAC	F-2
SPARE				20	11	12	20G		1500	K	ICE MACHINE
VENDING MACHINE	K	1500		20G	13	14	20G	1500		K	FRIDGE
FOOD COOLER	K		1000	20G	15	16	20G		500	K	ICE CREAM COOLER
LIGHTS	L	1070		20	17	18	20				SPARE
LIGHTS	L		675	20	19	20	20G		500	K	BAIT COOLER
SPARE				20	21	22	20G	1800		R	HAND DRYER
SPARE				20	23	24	20G		1800	R	HAND DRYER
REPEATER	R	200		20	25	26	20	200		R	TIMECLOCK
CUPOLA	R		200	20	27	28	20		195	L	EXT LTG
PANEL A		13400		125	29	30	20				SPARE
			10700		31	32	20				SPARE
CD-2	HVAC	2504		50	33	34	20				SPARE
			2504		35	36	20				SPARE
SPD		0		30	37	38		2504		HVAC	CD-1
SPACE			0		39	40			2504		SPACE
					41	42					
SUBTOTAL #1		23065	17079					9450	8599		SUBTOTAL #2
SUBTOTAL #1 + #2		32515	25678								
TOTAL PANEL LOAD:	58.2	KVA	242.5	AMPS				DEMANDED: 192		A MINIMUM FEEDER	

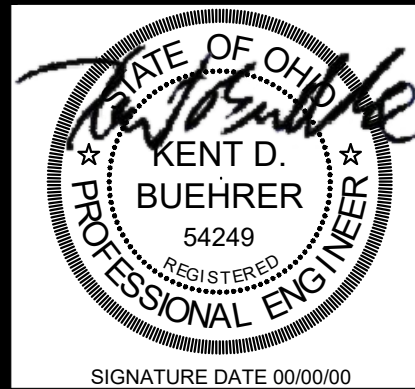
		Total Connected Load	Demand %	Demand Load							
RECEPTACLES	10.0		100%	10.0							
RECEPTACLES	19.8		50%	9.9							
LIGHTING	2.8		100%	2.8							
KITCHEN	11.5		65%	7.5							
WATER & ELEC HEAT	0.0		100%	0.0							
HVAC	12.7		100%	12.7							
LARGEST MTR	0.0		125%	0.0							
OTHER MOTORS	0.0		100%	0.0							
	56.8	kw		42.87	kw						
	236.6	Amps @ 240V		178.63	Amps @ 240V						
Continuous	12.8	x	125%	15.99	kw						
Non-continuous	30.1	x	100%	30.08	kw						
				46.07	kw						
				192	Amps @ 240V						
				Minimum feeder size							

PANEL A											
MAINS:		125	MLO	V:	120/240V	1	PH.	3	WIRE		
MOUNTING:		SURFACE	LOCATION:	MECHANICAL ROOM 201				FED FROM:		MDP	
		LOAD			AMPS	CKT	CKT	AMPS		LOAD	
DESCRIPTION	TYPE	A	B	POLE	#	#	POLE	A	B	TYPE	DESCRIPTION
PRINTER	R	500		20	1	2	20G	1500		R	MICROWAVE
RECEPTACLES	R		1200	20	3	4	20		400	R	BODY CAM STORAGE
TV	R	300		20	5	6	20	1200		R	RECEPTACLES
TV	R		300	20	7	8	20		1200	R	RECEPTACLES
RECEPTACLES	R	300		20	9	10	20	800		R	RECEPTACLES
RECEPTACLES	R		1000	20	11	12	20G		500	R	EWG
SPARE				20	13	14	20G	500		R	HWH
RECEPTACLES	R	1200		20	15	16	20		1000	R	RECEPTACLES
RECEPTACLES	R			20	17	18	20	1200		R	RECEPTACLES
SPARE				20	19	20	20		600	R	RECEPTACLES
RECEPTACLES	R	1200		20	21	22	20	1000		R	RECEPTACLES
RECEPTACLES	R		1200	20	23	24	20		1200	R	RECEPTACLES
RECEPTACLES	R	800		20	25	26	20	1200		R	RECEPTACLES
RECEPTACLES	R		800	20	27	28	20		1000	R	COFFEE
RECEPTACLES	R	1200		20	29	30	20				
COPIER	R		1500	20	31	32	20				
SPARE				20	33	34	20				
SPARE				20	35	36	20				
SPARE				20	37	38	20				
SPARE				20	39	40	20				
SPARE				20	41	42	20				
SUBTOTAL #1		8000	4800					7400	5900		SUBTOTAL #2
SUBTOTAL #1 + #2		13400	10700								
TOTAL PANEL LOAD:	24.1	KVA	100.4	AMPS				DEMANDED: 82.71		A MINIMUM FEEDER	

GENERATOR PANEL											
MAINS:		50A	MANUAL TRANSFER SWITCH								
MOUNTING:		SURFACE	LOCATION:	MECHANICAL ROOM 201				FED FROM:		MDP	
		LOAD			AMPS	CKT	CKT	AMPS		LOAD	
DESCRIPTION	TYPE	A	B	POLE	#	#	POLE	A	B	TYPE	DESCRIPTION
ICE MACHINE	K	1500		20G	1	2	20	1200		R	POS
FOOD COOLER	K		1000	20G	3	4	20		1200	R	POS
FRIDGE	K	1500		20G	5	6	20	855		L	LIGHTS
ICE CREAM COOLER	K		1000	20G	7	8	20		400	R	TECHBOARD
F-1 & EF-2	HVAC	1391		20	9	10	20	1391		HVAC	F-2
SPARE				20	11	12	20G		1500	K	ICE MACHINE
SUBTOTAL #1		4391	2000					3446	1600		SUBTOTAL #2
SUBTOTAL #1 + #2		7837	3600								
TOTAL PANEL LOAD:	11.4	KVA	47.7	AMPS				DEMANDED: 47.71		A MINIMUM FEEDER	

G SPECIFIES A GFCI BREAKER REQUIRED

* SPECIFIES CIRCUITS TO BE ROUTED THROUGH GENERATOR TRANSFER PANEL FOR EMERGENCY POWER AS SEEN ON GENERATOR PANEL
ALL RECEPTACLES CONNECTED TO THE EMERGENCY PANEL SHALL BE THE COLOR RED.



GLSM PARK OFFICE
FOR
OHIO DEPARTMENT OF NATURAL
RESOURCES DNR-250013
AUGLAZE COUNTY,
OHIO



ISSUE DATE: 09/19/2025
JOB NUMBER: 241224
CONSTRUCTION DOCUMENTS

E400.1

ALTERNATE INTERIOR LIGHT FIXTURE LEGEND

- LED FIXTURE 1-72W-96"-LED-120V SUSPENDED DIRECT/INDIRECT 4" x 96" DIMMABLE (0-10V) LED - DIRECT 400LM/FT - INDIRECT 1200LM/FT - 3500K. "6" INDICATES BATTERY BACKUP.
- AXIS TB4LED-1200-400-80-35-BW-SQ-8-W-UNV-DP-1
PEERLESS LIGHTING PRM4ID-MSL8-80-35K-11500LMF-500LMF
FOCALPOINT -SMMW-INTG-DARK-ZT-MVOLT-SCT
OR APPROVED DETAIL FSM4BS-BW-FL-375DN-1250UP-35K-1C-UNV-LD1-C24-WH-8'
- LED TRACK LIGHT FIXTURE WITH ADJUSTABLE HEADS IN X,Y & Z PLANES. DIMMABLE. 3500K. PROVIDE WITH ALL MOUNTING ACCESSORIES. 120V TO TRACK, 34W PER HEAD.
- JUNO TRACK: TRAC-MASTER;
HEAD: T28SL-35K-80CRI-PDIM-NFL;
DIMMING: nLIGHT nSP5-PCD-ELV-120;
HALO L POWER TRACK: LB15MED20 NF9400XX
LUCIFER TRACK: TCS - TRACK - IX-XX;
OR APPROVED EQUAL HEAD:CT2-AD-2-XX-97C14A-40
- LED BOLLARD - LED 1-13W-42"-120V - 4000K - 1100 LUMENS - 42" LED BOLLARD.
- LITHONIA RADB LED P3 40K SYM MVOLT
COOPER ABB-B1-LED-42-D1-S-BZ
SOLAS BORR-016-40-U-Z
OR APPROVED EQUAL

