

# ADDITIONS & RENOVATIONS TO: CHEROKEE COUNTY EMS STATION #30

2017 E. CHEROKEE DRIVE  
WOODSTOCK, GA 30188

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### FIRE MARSHAL & ENGINEERING NOTES

THE FOLLOWING PLANS HAVE BEEN REVIEWED BY THE CHEROKEE COUNTY FIRE MARSHAL'S OFFICE. THE DRAWINGS WERE REVIEWED UNDER THE APPLICABLE LAWS ADOPTED AT THE TIME. EVERY EFFORT WAS MADE TO ENSURE CODE COMPLIANCE. ANY CODE VIOLATIONS THAT WERE MISSED DURING THE PLAN REVIEW ARE THE OWNER'S RESPONSIBILITY AND MUST BE CORRECTED TO RECEIVE FINAL APPROVAL AND/OR A CERTIFICATE OF OCCUPANCY (CO).

A PRE-CONSTRUCTION MEETING, 50%, 80% AND 100% INSPECTIONS ARE REQUIRED UNLESS AT THE PRE-CONSTRUCTION MEETING IT IS DETERMINED THAT ALL INSPECTIONS ARE NOT REQUIRED.

ALL FIRE INSPECTIONS ARE SCHEDULED THROUGH THE CITYVIEW PORTAL UNDER THE SAME PERMIT NUMBER AS THE BUILDING PERMIT. THIS MUST BE DONE BY THE CONTRACTOR.

THE EXIT SIGNS AND EMERGENCY LIGHTS SHALL BE ON THE SAME CIRCUIT AS THE AREA FEEDING THE LIGHTING FOR THAT AREA. 2020 NFPA 70, SECTION 700.12 F (2) (3), THE BRANCH CIRCUIT FEEDING THE UNIT EQUIPMENT SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES.

SIGNAGE SHALL BE REVIEWED AND PERMITTED SEPARATELY.

THE PROPOSED USE AND DEVELOPMENT OF THE SUBJECT SITE SHALL COMPLY WITH THE REQUIREMENTS OF THE CHEROKEE COUNTY ZONING ORDINANCE.

### BUILDING INFORMATION

<u>OWNER:</u>	CHEROKEE COUNTY BOARD OF COMMISSIONERS 1130 BLUFFS PARKWAY CANTON, GA. 30114
<u>CONSTRUCTION TYPES:</u>	IBC - IIB (NEW), VB (EXISTING)
<u>OCCUPANCY TYPE:</u>	MIXED USE - BUSINESS & RESIDENTIAL (LSC - CHAPTERS 12, 26 AND 38)
<u>NUMBER OF STORIES:</u>	ONE
<u>BUILDING SPRINKLERED:</u>	YES
<u>BUILDING SQUARE FOOTAGE:</u>	5,928 S.F. TOTAL 2,723 S.F. NEW 3,205 S.F. EXISTING
<u>CITYVIEW NUMBER:</u>	TBD

THESE DRAWINGS ARE THE EXCLUSIVE PROPERTY OF KRH ARCHITECTS AND HAVE BEEN PREPARED AS AN INSTRUMENT OF SERVICE FOR THE CHEROKEE COUNTY BOARD OF COMMISSIONERS. THE USE OR REPRODUCTION IN ANY FORM OF THESE CONTRACT DOCUMENTS WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT IS PROHIBITED.

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### CODE INFORMATION

ALL WORK IN RENOVATED AREAS SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES:

2018 LIFE SAFETY CODE (LSC) - INCLUDING THE GA 120-3-3 RULES & REGULATIONS OF THE STATE FIRE COMMISSIONER

2018 INTERNATIONAL BUILDING CODE (IBC) - 2020 GEORGIA AMENDMENTS

2018 INTERNATIONAL FIRE CODE (IFC) WITH CURENT GEORGIA AMENDMENTS

2018 INTERNATIONAL MECHANICAL CODE (IMC) - 2020 GEORGIA AMENDMENTS

2018 INTERNATIONAL PLUMBING CODE (IPC) - 2020 GEORGIA AMENDMENTS

2018 INTERNATIONAL FUEL GAS CODE - 2020 GEORGIA AMENDMENTS

2020 NATIONAL ELECTRIC CODE (NEC) WITH CURRENT GEORGIA AMENDMENTS

2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) - 2020 GEORGIA AMENDMENTS

2010 A.D.A. STANDARDS FOR ACCESSIBLE DESIGN - INCLUDING GA. ACCESSIBILITY STANDARDS 120-3-20

ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND REGULATIONS



#### ARCHITECTURAL

KRH ARCHITECTS, INC.  
855 ABUTMENT RD., STE. 4  
DALTON, GA 30721  
TEL. 706.529.5895

#### CIVIL

PWH ENGINEERING  
2900 DELK ROAD  
SUITE 700 #318  
MARIETTA, GA 30067  
TEL. 770.433.8190

#### STRUCTURAL

WILLIAM J. PELTIER  
& ASSOCIATES, INC.  
270 LANGLEY DRIVE  
LAWRENCEVILLE, GA 30046  
TEL. 770.963.0654

#### MECHANICAL

JORDAN MEP  
1687 TEXAS VALLEY RD. NW  
ROME, GA 30165  
TEL. 678.800.4664

#### ELECTRICAL

LUNDY ENGINEERING  
GROUP  
229 LAND ROAD  
WALESKA, GA 30183  
TEL. 678.634.6941

#### PROJECT NUMBER

23-017

#### FACILITY CODE

N/A

#### DRAWING REVISIONS

NO.	TYPE	DATE

- PRELIMINARY REVIEW
- CHECKSET REVIEW
- FINAL SET REVIEW
- FOR CONSTRUCTION

#### DATE

03/13/24

#### SHEET INDEX

T1.1

F.E.M.A. NATIONAL FLOOD INSURANCE PROGRAM (N.F.I.P.), OFFICIAL FLOOD INSURANCE RATE MAP, MAP NO. 13057C0263E, REVISED 06-07-19, SHOWS A PORTION OF THIS PROPERTY TO BE IN AN AREA HAVING SPECIAL FLOOD HAZARDS.

NOTES:

- SOME UNDERGROUND UTILITIES AND UTILITY EASEMENTS, IF ANY, MAY NOT BE SHOWN.
- THIS SURVEY IS SUBJECT TO ALL RIGHTS-OF-WAY AND EASEMENTS, BOTH RECORDED AND UN-RECORDED.
- OVERHEAD UTILITY EASEMENTS, IF ANY, MAY NOT BE SHOWN.
- SOME EXISTING IMPROVEMENTS MAY NOT BE SHOWN.
- SOME FENCES MAY NOT BE SHOWN.
- 

- LEGEND:
- I.P.S. - IRON PIN SET
  - I.P.F. - IRON PIN FOUND
  - R. - REINFORCING BAR
  - A - ARC
  - RAD. - RADIUS
  - C.M.F. - CONCRETE MONUMENT FOUND
  - (NR) - NOT RADIAL
  - M.H. - MANHOLE
  - D.I. - DROP INLET
  - B.L. - BUILDING LINE
  - R/W - RIGHT OF WAY
  - J.B. - JUNCTION BOX
  - F.H. - FIRE HYDRANT
  - L.L.L. - LAND LOT LINE
  - C.B. - CHORD BEARING
  - C.D. - CHORD DISTANCE
  - N./F. - NOW OR FORMERLY
  - S.S. - SANITARY SEWER
  - S.S.E. - SANITARY SEWER EASEMENT
  - P.P. - POWER & (OR) PHONE POLE
  - D.E. - DRAINAGE EASEMENT
  - C - CENTERLINE
  - P - PROPERTY LINE
  - OVERHEAD POWER LINE
  - OVERHEAD PHONE LINE
  - FENCE (APPROX. LOC.)
  - STREAM (APPROX. LOC.)
  - DITCH (APPROX. LOC.)
  - L.P. - LIGHT POLE

REFERENCE PLATS:

- SURVEY FOR CHEROKEE COUNTY BOARD OF EDUCATION, DATED: DECEMBER 5, 1977, BY: BATES-LONG & ASSOCIATES.
- SURVEY FOR: CLARA BELL FOWLER, DATED: APRIL 18, 1974, BY: CARLISLE & THACKER, INC., RECORDED IN PLAT BOOK 10, PAGE 46.
- SURVEY FOR: A.J. HUNT, DATED: APRIL 18, 1974, BY: CARLISLE & THACKER, INC., RECORDED IN PLAT BOOK 10, PAGE 46.
- SURVEY FOR: BETHEL BAPTIST CHURCH, TRACT NO. 1, DATED: JUNE 21, 1971, BY: A.W. ROBINSON, SURVEYOR, RECORDED IN PLAT BOOK 6, PAGE 24.
- SURVEY FOR: BETHEL BAPTIST CHURCH, TRACT NO. 2, DATED: JUNE 21, 1971, BY: A.W. ROBINSON, SURVEYOR, RECORDED IN PLAT BOOK 6, PAGE 31.
- SURVEY FOR: BETHEL BAPTIST CHURCH, INC. DATED: JANUARY 17, 1973, BY: A.W. ROBINSON, SURVEYOR, RECORDED IN PLAT BOOK 15, PAGE 203.
- SURVEY FOR: M.E. FOWLER, DATED: JANUARY 17, 1973, BY: A.W. ROBINSON, SURVEYOR, RECORDED IN PLAT BOOK 15, PAGE 203.

REFERENCE DEEDS:

- DEED BOOK 116, PAGE 2.
- DEED BOOK 848, PAGE 648.
- DEED BOOK 888, PAGE 529.
- DEED BOOK 896, PAGE 186.
- DEED BOOK 902, PAGE 23.
- DEED BOOK 13664, PAGE 382.



KNOW WHAT'S BELOW. CALL BEFORE YOU DIG. OR CALL 800-362-7411



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N./F. CHEROKEE COUNTY BOARD OF EDUCATION (DEED BOOK 231, PAGE 131) (DEED BOOK 231, PAGE 195) (DEED BOOK 735, PAGE 182) (DEED BOOK 1384, PAGE 15) (DEED BOOK 7099, PAGE 29) (DEED BOOK 13535, PAGE 93)

N./F. CHEROKEE COUNTY BOARD OF EDUCATION (DEED BOOK 231, PAGE 131) (DEED BOOK 231, PAGE 195) (DEED BOOK 735, PAGE 182) (DEED BOOK 1384, PAGE 15) (DEED BOOK 7099, PAGE 29) (DEED BOOK 13535, PAGE 93)

N./F. THE CITY OF HOLLY SPRINGS (DEED BOOK 325, PAGE 304) (DEED BOOK 1308, PAGE 240) (DEED BOOK 10226, PAGE 431) (DEED BOOK 13555, PAGE 241)

P.O.B. STATE PLANE COORDINATES GA WEST ZONE - NAD83(2011) N 1502573.07 E 2196912.20

NOTE: FIELD VERIFIED 2-FOOT CONTOURS AND PLANIMETRICS WERE DERIVED FROM GPS POINTS AND UAV LIDAR.

AREA = 4.01 ACRES

ADDRESS: 2017 EAST CHEROKEE DRIVE WOODSTOCK, GEORGIA 30188



MARTIN LAND SURVEYING, P.C. MICHAEL C. MARTIN, R.L.S. LICENSE NO. 15F001028  
104 HAYWOOD DRIVE WOODSTOCK, GEORGIA 30188 PHONE: (770) 926-0200  
**MCM** LAND SURVEYING SUBDIVISIONS LAND PLANNING  
MEMBER - SURVEYING & MAPPING SOCIETY OF GEORGIA AND NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS

THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 12,619 FEET AND AN ANGULAR ERROR OF 03" PER ANGLE POINT, AND WAS ADJUSTED USING COMPASS RULE.  
THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND FOUND TO BE ACCURATE WITHIN ONE FOOT IN 147,698 FEET.  
EQUIPMENT USED FOR MEASUREMENTS: LEICA TC1610 AND/OR CHCNV 190 W/ EGPS RTK  
"ALL MATTERS OF TITLE ARE EXCEPTED"

- TOPOGRAPHICAL MAP FOR -  
**CHEROKEE COUNTY GOVERNMENT**  
LAND LOT - 739, DISTRICT - 15, SECTION - 2  
CITY: CHEROKEE COUNTY, GEORGIA  
DATE OF FIELD WORK: AUGUST 11, 2023  
PLAT PREPARED: AUGUST 25, 2023  
DRAWN BY: MIKE HUGHES, R.L.S. SCALE: 1" = 40 FT.  
JOB NO. 23-5848-03D DWG FILE: 5848030.dwg

C1

GLOBAL POSITIONING SYSTEMS ACCURACY STATEMENT: CERTAIN DATA SHOWN ON THIS PLAT WAS OBTAINED UTILIZING GPS EQUIPMENT USED TO OBTAIN THIS DATA WAS A CHCNV 190 GNSS RECEIVER WITH A CARLSON SURVEYOR2 DATA COLLECTOR RECEIVING RTK CORRECTIONS VIA AN INTERNET CONNECTION WITH eGPS SOLUTIONS REAL TIME NETWORK. THE TECHNIQUE USED WAS RTK CORRECTED MEASUREMENTS FROM THE TRIMBLE VRS REAL TIME NETWORK OPERATED BY eGPS SOLUTIONS, INC. THE RELATIVE POSITIONAL ACCURACY OBTAINED ON THE POINTS UTILIZED IN THIS SURVEY WERE 0.08 FEET HORIZONTAL AND 0.10 FEET VERTICAL AT THE 95% CONFIDENCE LEVEL.



**DEMOLITION NOTES:**

- CONTRACTOR IS RESPONSIBLE FOR ALL LOCATION, VERIFICATION, PROTECTION, MAINTENANCE, RELOCATION, REMOVAL OR RENOVATION OF ALL EXISTING UTILITIES, SITE IMPROVEMENTS, STRUCTURES, OBJECTS, OR CONSTRUCTION ELEMENTS REQUIRED TO COMPLETE THE WORK SHOWN ON THE PLANS, NOTES, SPECIFICATIONS, AND CONTRACT DOCUMENTS, WHETHER SHOWN ON THE PLANS OR NOT. ITEMS SHOWN AS [DE], [TR], [TBR], OR OTHERWISE [ ] DESIGNATED ARE SHOWN FOR GENERAL REFERENCE ONLY, AND ARE NOT ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR ALL ITEMS TO BE REMOVED [TBR], ALL ITEMS TO REMAIN [TR], AND ALL ITEMS REQUIRING DEMOLITION [DE], RELOCATION, ALTERATION, AND PROTECTION WHETHER DESIGNATED ON THE PLANS OR NOT. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING IMPROVEMENTS AND SITE CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE AND VERIFY ALL DEMOLITION, REMOVAL, AND ASSOCIATED WORK WITH THE OWNER OR OWNERS REPRESENTATIVE PRIOR TO CONSTRUCTION.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR EXISTING AND PROPOSED BUILDING DEMOLITION, REMOVAL, AND RENOVATION.
- CONTRACTOR SHALL: CONTACT UPC (UTILITIES PROTECTION CENTER) FOR LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. UTILITIES ARE SHOWN ACCORDING TO INFORMATION AVAILABLE AND MAY NOT BE ACCURATE. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON PLANS. OBTAIN APPROVAL FROM ALL LOCAL UTILITY AUTHORITIES AND LOCATE, VERIFY, AND COORDINATE ALL REQUIRED CONSTRUCTION FOR ALL UTILITIES WITHIN THE WORK AREA. MAINTAIN UTILITY SERVICE(S) AT ALL TIMES. COORDINATE CONSTRUCTION SEQUENCE ACCORDINGLY. PROVIDE OWNER/ENGINEER COMPLETE RESULTS OF ALL UTILITY LOCATION(S) PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL IMPROVEMENTS, INCLUDING LANDSCAPING. NOT REQUIRING REMOVAL. DAMAGED IMPROVEMENTS SHALL BE RESTORED AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL HAVE PROPERTY CORNERS, RIGHT-OF-WAY, AND BOUNDARY MARKED AND LOCATED. DO NOT ENCRoACH ON ADJACENT PROPERTIES.
- CONTRACTOR SHALL COORDINATE ALL DEMOLITION ADJACENT TO STRUCTURES OR FOUNDATION ELEMENTS WITH THE ARCHITECT AND STRUCTURAL ENGINEER TO ENSURE THAT NO DAMAGE OR DEGRADATION WILL OCCUR.
- CONTRACTOR SHALL BLEND NEW CONSTRUCTION INTO EXISTING IMPROVEMENTS. ALL JUNCTIONS, COMMON POINTS, JOINTS, ETC. SHALL BE BLENDED FOR A SMOOTH TRANSITION. ALL DAMAGED IMPROVEMENTS SHALL BE RESTORED BY THE CONTRACTOR TO ORIGINAL CONDITION AT NO EXPENSE TO OWNER.
- CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF THE PUBLIC AND ALL OTHER PERSONS ON-SITE AT ALL TIMES. CONTRACTOR SHALL CONFORM TO ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS AND REGULATIONS.
- SEE DEMOLITION LEGEND SHEET C2.1

**DEMOLITION LEGEND:**

**[CU] COORDINATE UTILITIES:**

CONTACT UTILITY LOCATION AUTHORITY AND VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION. COORDINATE ALL EXISTING AND PROPOSED UTILITY CONSTRUCTION, REMOVAL, ALTERATION, RENOVATION, OR RELOCATION REQUIRED TO COMPLETE THE WORK WITH THE APPROPRIATE UTILITY AUTHORITY. RESOLVE ALL CONFLICTS, OMISSIONS, OR DISCREPANCIES PRIOR TO CONSTRUCTION.

**[DE] DEMOLITION REQUIRED:**

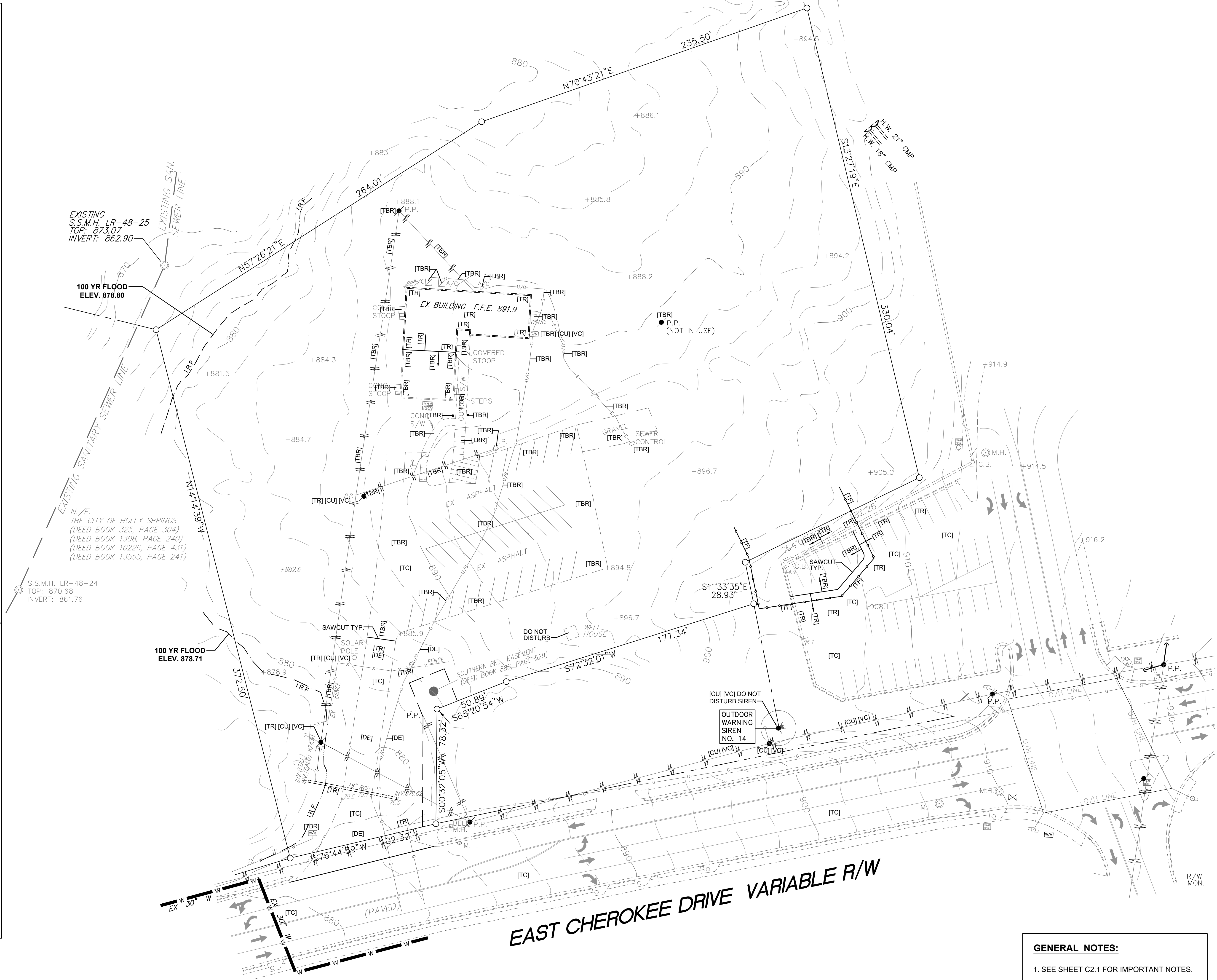
DEMOLITION, ALTERATION, RENOVATION, OR PARTIAL REMOVAL REQUIRED. CONFORM TO APPLICABLE ARCHITECTURAL AND/OR RELATED ENGINEERING PLANS AND SPECIFICATIONS. MAINTAIN UTILITY(S) SERVICE AT ALL TIMES. COORDINATE UTILITIES [CU] WITH APPROPRIATE AUTHORITY.

**[TBR] TO BE REMOVED:**

EXISTING IMPROVEMENT OR ITEM TO BE REMOVED. LOCATE, VERIFY, AND REMOVE. DISPOSE OF OFF-SITE IN A LEGAL MANNER. FOR UTILITIES, MAINTAIN SERVICE AT ALL TIMES. COORDINATE ALL UTILITY REMOVAL OR ALTERATION WITH APPROPRIATE UTILITY AUTHORITY.

**[TR] TO REMAIN:**

EXISTING IMPROVEMENT OR ITEM TO REMAIN. LOCATE, VERIFY, MARK, AND PROTECT FROM DAMAGE BY ALL NECESSARY MEANS. FOR UTILITIES, MAINTAIN SERVICE AT ALL TIMES.



**GENERAL NOTES:**  
1. SEE SHEET C2.1 FOR IMPORTANT NOTES.

PROJECT NUMBER  
**23-017**

DATE  
**09/25/23**

REVISIONS	
NO.	DATE

FACILITY CODE

**KRH ARCHITECTS**  
INCORPORATED

855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

**PWR ENGINEERING**  
CIVIL ENGINEERING  
SITE DEVELOPMENT

2900 DELA ROAD STE 700 #318 • MARIETTA, GA 30067 • PH: 770-433-8190

2017 EAST CHEROKEE DRIVE WOODSTOCK, GA 30188

ISSUE DATE: 02-06-24  
JOB No. 22280 | SCALE: 1" = 30'

**ADDITIONS & RENOVATIONS TO:  
EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS

**GEORGIA REGISTERED PROFESSIONAL ENGINEER**  
PRESTON W. HOBBS  
No. 22255  
GSWCC LEVEL II - 0000008688

SHEET INDEX  
**DEMOLITION PLAN**

SHEET INDEX  
**C1.1**

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855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

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SITE DEVELOPMENT

2000 DELA ROAD STE 700 #318 • MARIETTA, GA 30067 • PH: 770-433-8190

2017 EAST CHEROKEE DRIVE WOODSTOCK, GA 30188

ISSUE DATE: 02-06-24  
JOB No. 22280 SCALE: 1" = 30'

ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS



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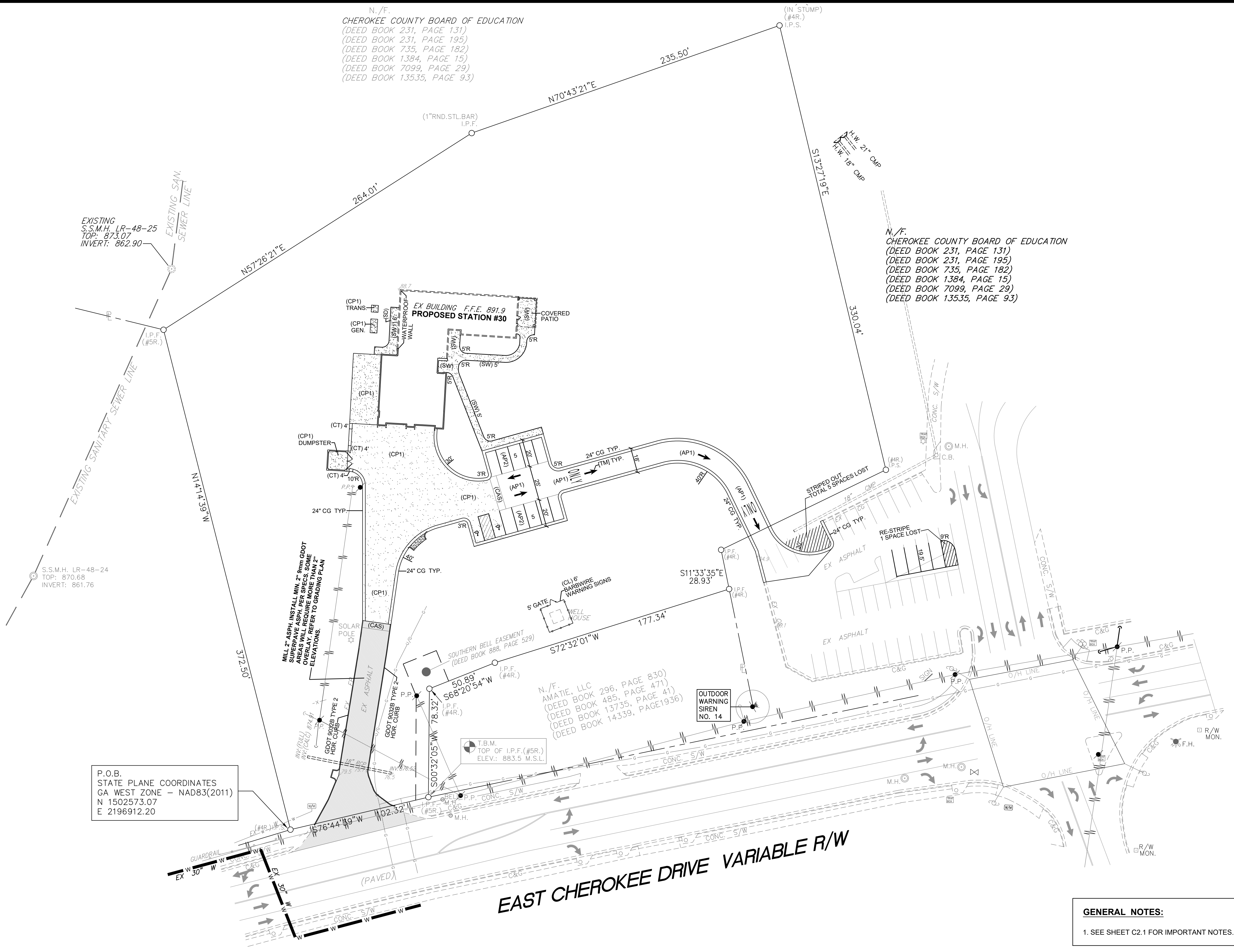
N./F.  
AMATIE, LLC  
(DEED BOOK 296, PAGE 830)  
(DEED BOOK 485, PAGE 471)  
(DEED BOOK 13735, PAGE 41)  
(DEED BOOK 14339, PAGE 1936)

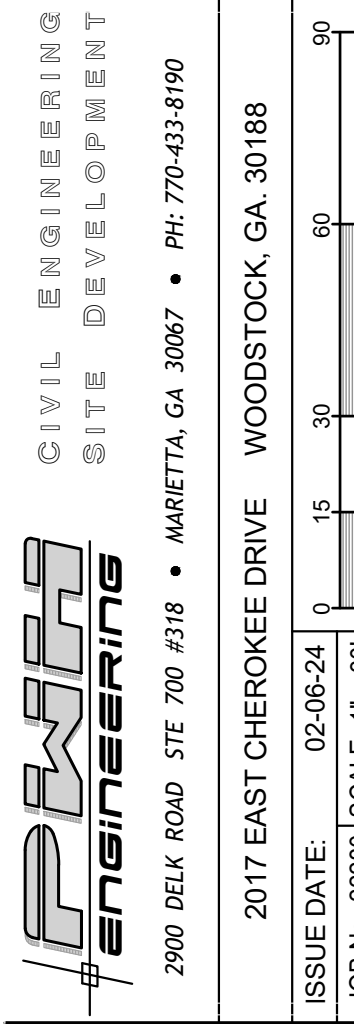
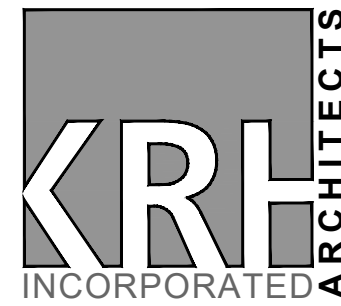
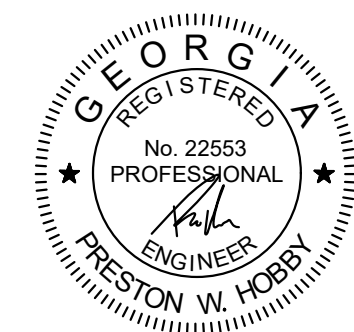
P.O.B.  
STATE PLANE COORDINATES  
GA WEST ZONE - NAD83(2011)  
N 1502573.07  
E 2196912.20

MILL 2" ASPH. INSTALL MIN 2" 9mm GDOT SUPERPAVE ASPH. PER SPECS. SOME AREAS WILL REQUIRE MORE THAN 2" OVERLAY. REFER TO GRADING PLAN FOR ELEVATIONS.

T.B.M.  
TOP OF I.P.F. (#5R.)  
ELEV.: 883.5 M.S.L.

**GENERAL NOTES:**  
1. SEE SHEET C2.1 FOR IMPORTANT NOTES.



ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS

GSWCC LEVEL 1R - 0000006868

**CHEROKEE COUNTY NOTES:**

- ALL WETLANDS OR STATE WATERS ON OR WITHIN 200 FEET OF THIS PROJECT HAVE BEEN DELINEATED.
- APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY CHEROKEE COUNTY OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONTRACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY WETLAND THAT IS DISTURBED.
- APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY CHEROKEE COUNTY OF ANY LAND DISTURBING ACTIVITIES THAT MAY IMPACT ANY ENDANGERED SPECIES. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY DISTURBANCE WHICH THIS MAY EFFECT.
- NO RETAINING WALLS WILL BE CONSTRUCTED.
- ANY FILL MATERIAL SUPPORTING STRUCTURAL LOADS SHALL BE ENGINEERED WITH PROPER DOCUMENTATION INCLUDING GEORGIA REGISTERED P.E. STAMP. SUBMIT DOCUMENTATION TO THE CHEROKEE COUNTY BUILDING DEPARTMENT PRIOR TO FOUNDATION INSPECTION.
- SITE DEVELOPMENT AS-BUILT DRAWINGS, CONTAINING A BOUNDARY SURVEY, LOCATION, ELEVATION, HEIGHT, AND SQUARE FOOTAGE OF BUILDING, PARKING AREAS, UTILITIES, RETAINING WALLS, STORMWATER SYSTEM, AND ANY OTHER PERTINENT SITE DEVELOPMENT DATA ARE REQUIRED UPON COMPLETION OF THIS PROJECT. CHEROKEE COUNTY NEEDS THIS INFORMATION BEFORE SITE INSPECTION FOR C.O. IS ISSUED, PER ORDINANCE # 2004-Z-001 (7.5-3.3-H.)
- TEMPORARY GRASSING OR MULCHING IS REQUIRED EVERY (7) SEVEN DAYS.
- AN NOI IS REQUIRED BEFORE APPROVAL. UPLOAD THE FINAL DOCUMENT TO CITYVIEW.
- ADVANCE WARNING SIGNS INDICATING CONSTRUCTION AHEAD SHALL BE PLACED ON CONNECTING THOROUGHFARES AT 1000' AND 500' POINTS ON EITHER SIDE OF THE INTERSECTION. THE SIGNAGE SHALL BE REVIEWED AND APPROVED BY THE COUNTY DEVELOPMENT INSPECTOR.
- AN NOI IS REQUIRED BEFORE APPROVAL. PROVIDE A COPY OF THE FINAL, APPROVED NPDES NOTICE OF INTENT (NOI) ENSURING COMPLIANCE WITH THAT STATE PERMIT AND WRITTEN CONFIRMATION FROM A QUALIFIED PARTY WHO WILL BE RESPONSIBLE FOR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) COMPLIANCE INSPECTIONS, MONITORING, RECORD KEEPING, ETC. FOR THE DEVELOPMENT.
- NO GRADING ALLOWED WITHIN THE UNDISTURBED STREAM BUFFERS OR ZONING BUFFERS.
- ALL QUALITY CONTROL TESTING WHICH IS A PART OF ROADWAY CONSTRUCTION WILL BE PERFORMED BY A REPUTABLE PROFESSIONAL GEO-TECHNICAL AND TESTING ENGINEERING COMPANY THAT WILL BE EMPLOYED BY THE DEVELOPER AND ALL ASSOCIATED COSTS WILL BE PAID BY THE DEVELOPER.
- AN NOI IS REQUIRED BEFORE APPROVAL. PROVIDE A COPY OF THE FINAL, APPROVED NPDES NOTICE OF INTENT (NOI) ENSURING COMPLIANCE WITH THAT STATE PERMIT AND WRITTEN CONFIRMATION FROM A QUALIFIED PARTY WHO WILL BE RESPONSIBLE FOR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) COMPLIANCE INSPECTIONS, MONITORING, RECORD KEEPING, ETC., FOR THE DEVELOPMENT.

**CHEROKEE COUNTY TRAFFIC NOTES:**

- BASED ON THE SURVEY, THE SITE IMPROVEMENTS CONSTRUCTED AS PROPOSED WILL PROVIDE THE INTERSECTION SIGHT DISTANCE AS SHOWN. FIELD VERIFICATION WILL BE PROVIDED TO THE COUNTY PRIOR TO FINAL SITE ACCEPTANCE.
- ALL CUTS IN PAVEMENT AND PAVEMENT EDGES ADJOINING NEW PAVEMENT SHALL BE SAW CUT. ALL RIGID PAVEMENT TO RIGID PAVEMENT SHALL BE DOWELED WITH NO. 4 BARS SPACED 12-INCHES ON CENTER AND GROUDED.
- ALL PAVEMENTS STRIPING AND MARKINGS SHALL BE THERMOPLASTIC PER GEORGIA D.O.T. SPECIFICATIONS
- LIABILITY AND RESPONSIBILITY OF APPLICANT: THE APPLICANT IS RESPONSIBLE FOR THE RELOCATION, ADJUSTMENT OR REMOVAL OF ALL UTILITY CONFLICTS WITHIN THE DEVELOPMENT AREA AT NO COST TO CHEROKEE COUNTY. THE COUNTY ENCOURAGES THE APPLICANT TO CONTACT THE UTILITIES PROTECTION CENTER (UPC) FOR "DESIGN LOCATE REQUESTS" WHICH AIDS IN THE LOCATION OF EXISTING UTILITY FACILITIES FOR PRE-DESIGN, ADVANCE PLANNING PURPOSES, ETC. EXCAVATORS SHALL CONTACT THE UPC IN ACCORDANCE WITH THE OFFICIAL CODE OF GEORGIA ANNOTATED 25.9, BEFORE COMMENCING EXCAVATION ACTIVITIES.
- OWNERSHIP OF COMPLETED WORK: MEDIAN CROSSOVERS, RIGHT-TURN/DECEL LANES, LEFT TURN LANES, ETC. CONSTRUCTED WITHIN COUNTY RIGHT OF WAY BECOMES FEATURES OF THE HIGHWAY AND THE UNCONDITIONAL PROPERTY OF THE COUNTY. THE APPLICANT OR PROPERTY OWNER(S) AND/OR LESSEES ADJACENT TO THE RIGHT OF WAY AT THE CROSSOVER SITE RETAIN NO OWNERSHIP OR LEGAL INTEREST THEREIN. THE COUNTY RESERVES THE RIGHT AND ALL AUTHORITY TO CLOSE, RELOCATE OR REMOVE A CROSSOVER WHEN SUCH ACTION IS DEEMED NECESSARY IN THE INTEREST OF PUBLIC SAFETY OR EFFICIENCY OF THE ROADWAY.WHEN DETERMINED NECESSARY BY THE COUNTY, ADDITIONAL RIGHT OF WAY FOR THE CONSTRUCTION AND PLACEMENT OF AUXILIARY LANES SHALL BE RELINQUISHED TO THE COUNTY (MINIMUM 13-FEET FROM BACK OF CURB).

**CHEROKEE COUNTY FIRE DEPARTMENT NOTES:**

- THE FOLLOWING PLANS HAVE BEEN REVIEWED BY THE CHEROKEE COUNTY FIRE MARSHAL'S OFFICE. THE DRAWINGS WERE REVIEWED UNDER THE APPLICABLE LAWS ADOPTED AT THE TIME. EVERY EFFORT WAS MADE TO ENSURE CODE COMPLIANCE. ANY CODE VIOLATIONS THAT WERE MISSED DURING THE PLAN REVIEW ARE THE OWNER'S RESPONSIBILITY AND MUST BE CORRECTED TO RECEIVE FINAL APPROVAL AND/OR A CERTIFICATE OF OCCUPANCY (CO).
- ALL SITE WORK MUST HAVE A MINIMUM OF A PRECONSTRUCTION MEETING WITH THE CHEROKEE COUNTY FIRE MARSHAL'S OFFICE. AT THE PRE-CONSTRUCTION MEETING, IT WILL THEN BE DETERMINED WHAT OTHER INSPECTIONS WILL BE REQUIRED.
- ALL FIRE INSPECTIONS ARE SCHEDULED THROUGH THE CITYVIEW PORTAL UNDER THE SAME PERMIT NUMBER AS THE LAND DISTURBANCE PERMIT. THIS MUST BE DONE BY THE CONTRACTOR.

**CONSTRUCTION LEGEND:**

**[AT] STRUCTURE TOP ADJUSTMENT:**  
RAISE, LOWER, MOVE, ALTER, ADD OR ADJUST EXISTING MANHOLE OR OTHER STRUCTURE TOP, BOX, RING AND COVER AS REQUIRED FOR PROPOSED CONSTRUCTION, REFERENCED STANDARDS, DETAILS, AND SPECIFICATIONS APPLY AS MINIMUM REQUIREMENTS. STRUCTURE TOPS SHALL BE EVEN WITH FINISHED PAVEMENT IN PAVED AREAS AND RATED FOR TRAFFIC IN TRAFFIC AREAS. STRUCTURE TOPS SHALL BE 6 INCHES ABOVE FINISHED GRADE IN UNPAVED AREAS.

**[CA] CONTROLLED ACCESS:**

PROVIDE CONTROLLED ACCESS TO PROJECT SITE USING LOCKING GATES, TRAFFIC CONTROL [TC], AND PERSONNEL TO MONITOR ACCESS AND PROHIBIT UNAUTHORIZED ENTRY TO THE SITE. PROVIDE ALL WARNING, INSTRUCTIONAL, AND DIRECTIONAL SIGNAGE TO INFORM PUBLIC AND MAINTAIN SAFE CONTROLLED ACCESS AT ALL TIMES. ALL GATES SHALL BE LOCKED AT ALL TIMES EXCEPT FOR AUTHORIZED ENTRY. PROVIDE TEMPORARY FENCING TO PROHIBIT AND CONTROL ACCESS. COORDINATE WITH OWNER AND MAINTAIN SAFE ACCESS FOR NORMAL OPERATION AND FUNCTION. ACCESS POINTS ADJACENT TO OCCUPIED SPACES OR FINISH AREAS SHALL BE SECURE, WATERTIGHT, AND PROTECTED FROM DUST, NOISE, WIND, AND WEATHER. CONTROLLED ACCESS POINTS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL FINAL RELEASE BY OWNER.

**[CS] CRITICAL SLOPE:**

SLOPE SHOWN IS LESS THAN 1 FOOT PER 100 FEET (1.0%). CONTRACTOR SHALL USE LASER GUIDED EQUIPMENT AND PROVIDE ALL NECESSARY MEASURES TO ENSURE FINAL GRADE IS ESTABLISHED AS DESIGNED. CONSTRUCTION TOLERANCE IS NOT ALLOWED FOR CRITICAL SLOPES OR GRADES. NO PONDING OR DEPRESSED AREAS ALLOWED.

**[CT] CURB TAPER:**

CONTRACTOR SHALL: TAPER CURB HEIGHT FROM STANDARD HEIGHT TO 0" HEIGHT FOR LENGTH SHOWN ON PLANS. END OF TAPER SHALL BLEND SMOOTH INTO PROPOSED FINISH GRADES SO THAT 0" (ZERO INCHES) CURB HEIGHT WILL MATCH ADJACENT PAVEMENT, IMPROVEMENTS, AND/OR FINISH GRADES. PROVIDE EXPANSION JOINT AT INTERFACE. ALL SIDEWALKS ADJACENT TO CURB TAPERS (CT) SHALL BE TAPERED TO MATCH CURB TAPER(S).

**[DF] DROP FOOTING:**

DROP THE BUILDING OR IMPROVEMENT FOOTING BEARING SURFACE AS REQUIRED FOR PROPOSED GRADES ALONG BUILDING OR IMPROVEMENT PERIMETER TO ACCEPT FINISH PER ARCHITECTURAL PLANS WITHOUT EXPOSING FOOTING. FOOTING BEARING SURFACE MINIMUM 12" BELOW FINISH SURFACE. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS AND SPECIFICATIONS. COORDINATE PTC.

**[FJ] FLUSH JOINT:**

CONTRACTOR SHALL: PROVIDE FLUSH JOINT ALONG DESIGNATED LENGTH. ELEVATIONS SHALL MATCH EQUALLY ALONG ENTIRE LENGTH FROM ONE SURFACE TO ADJACENT SURFACES. PROVIDE EXPANSION JOINT ALONG ENTIRE LENGTH OF PAVEMENT OR CURB EDGES. CROSS SLOPE SHALL BE LEVEL ACROSS GUTTER WIDTH. FLUSH JOINT SHALL BE INSTALLED TO PROVIDE SMOOTH, LEVEL CROSS SLOPE, AND EVEN TRANSITION FROM ONE SURFACE TO ANOTHER ALONG ENTIRE LENGTH. BUMPS, DIPS, RAISED OR LOWERED EDGES, OR OTHER ELEVATION DIFFERENCES WILL NOT BE ALLOWED.

**[IG] IRRIGATION:**

PROVIDE IRRIGATION FOR FOOTBALL AND SOFTBALL FIELDS PER SPECIFICATIONS. CONTRACTOR SHALL PROVIDE CERTIFIED SPRINKLER SYSTEM DESIGN BY PROFESSIONAL ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. ALL IRRIGATION SPRINKLERS, VALVES, CONNECTIONS, FITTINGS, AND ASSOCIATED HARDWARE SHALL BE HEAVY DUTY BRONZE BODY STAINLESS STEEL CONSTRUCTION.

**[LTY] LAYOUT SUBMITTAL:**

CONTRACTOR SHALL: SUBMIT FOUNDATION/PROPOSED BUILDING LAYOUT, AND FRONT ENTRANCE SIDEWALK TO ARCHITECT AND ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. PROVIDE AS BUILT DIMENSIONS OF ALL EXISTING BUILDINGS, IMPROVEMENTS, COLUMNS, CANOPIES, OR STRUCTURES AT THE INTERFACE BETWEEN EXISTING AND PROPOSED CONSTRUCTION, AND ANY ADDITIONAL MEASUREMENTS REQUIRED TO ACCURATELY DESCRIBE THE EXISTING AND PROPOSED CONSTRUCTION. PROVIDE ALL DIMENSIONS, GEOMETRY, ANGLES, AND CLOSURES FOR PROPOSED CONSTRUCTION AND EXISTING CONSTRUCTION, AND THE INTERFACE BETWEEN EACH. BUILDING LAYOUT SHALL BE BASED ON ARCHITECTURAL PLANS. DO NOT USE CIVIL OR OTHER RELATED ENGINEERING PLANS, DRAWINGS, OR CAD FILES, OR SURVEYOR'S DRAWINGS OR CAD FILES. SUBMITTAL SHALL INCLUDE SUFFICIENT INFORMATION TO DEMONSTRATE FULL COMPLIANCE WITH DESIGN INTENT AND LAYOUT AS SHOWN ON THE PLANS.

**CONSTRUCTION LEGEND:****[ME] MATCH EXISTING:**

MATCH EXISTING FINISH GRADE. VERIFY IN FIELD PRIOR TO CONSTRUCTION (PTC). VERIFY POSITIVE SLOPE TO PROVIDE FLOW AS INDICATED.

**[RA] CURB RAMP:**

PROVIDE CURB RAMP CONFORMING TO CURRENT GEORGIA ADA CODE. VERIFY ALL REQUIREMENTS, DIMENSIONS, SLOPES, AND CONSTRUCTION PTC. PROVIDE MINIMUM 6" CURB TAPER [CT] AT EACH SIDE OF ADJOINING CURBS. TAPER ADJOINING SIDEWALKS TO MATCH CURB.

**[RD] ROOF DRAIN:**

CONNECT ALL ROOF DOWNSPOUTS AS SHOWN ON ARCHITECTURAL PLANS TO STORM SEWER WITH [RD] PIPING. NUMBER AND LOCATION OF DOWNSPOUTS SHALL CONFORM TO TO ARCHITECTURAL PLANS. VERIFY PTC. CONNECTIONS TO INDIVIDUAL DOWNSPOUTS OR PLUMBING DRAINS SHOWN ON CIVIL SITE DEVELOPMENT PLANS ARE FOR REFERENCE ONLY TO INDICATE TYPICAL CONDITIONS. CONNECT ALL HUB DRAINS FROM WALL HUNG HVAC UNITS AND ALL PLUMBING ROOF DRAINS WITH [RD] PIPING TO STORM SEWER - REFER TO MECHANICAL AND PLUMBING ENGINEERING PLANS AND SPECIFICATIONS. [RD] COLLECTOR PIPE SIZE AND MATERIAL SHOWN ON PLANS. [RD] CONNECTIONS TO INDIVIDUAL DOWNSPOUTS SHALL BE 6" DIAMETER, 2" DIAMETER FOR HVAC UNITS. PIPE BEDDING FOR [RD] IS CLASS B. MINIMUM COVER OVER TOP OF PIPE: 1.0 FEET UNPAVED AREAS, 3.0 FEET PAVED AREAS. MINIMUM PIPE SLOPE: 1/8"/FT (1.0%). USE DUCTILE IRON PIPE IN PAVED AREAS, SCHED. 40 PVC IN NON-PAVED AREAS. PROVIDE CLEANOUTS AT ALL LINE DEFLECTIONS. CLEANOUTS IN NON-PAVED AREAS SHALL BE PVC 6 INCHES ABOVE GRADE. CLEANOUTS IN PAVED AREAS SHALL BE H-20 RATED HEAVY DUTY TO MATCH FINISHED PAVEMENT ELEVATION. LONG SWEEP RADIUS REQUIRED FOR ALL ELBOWS AND PIPE LINE DEFLECTIONS. PIPE CONNECTION TO DOWNSPOUTS SHALL BE PER ARCHITECTURAL AND PLUMBING DETAILS.

**[SDV] VERIFY SIGHT DISTANCE:**

CONTRACTOR SHALL VERIFY SITE DISTANCE FROM MAIN DRIVE LOOKING RIGHT AS SHOWN ON SHEET CS.3 PRIOR TO CONSTRUCTION. AT SPOT ELEVATION 1089.10 SHOWN ON SHEET CS.3, PROVIDE REGISTERED SURVEYOR TO SET INSTRUMENT LEVEL AT 1092.10 (1089.10 + 3.50' - DRIVER'S EYE HEIGHT), AT END OF SIGHT DISTANCE LINE AS SHOWN ON SHEET CS.3 IN THE CENTER OF THE NORTHBOUND LANE AT 285' FROM MAIN DRIVE POINT SET AN OBJECT 3.50' IN HEIGHT FROM THE EXISTING PAVEMENT ELEVATION AND VERIFY THE SIGHT LINE BETWEEN THE TWO POINTS. REPORT FINDINGS TO ENGINEER AND ARCHITECT IMMEDIATELY.

**[SW] SIDEWALK, RAMP OR STEPS:**

CONCRETE SIDEWALK WITH FINISH PER ARCHITECT. SIDEWALK WIDTHS AND DIMENSIONS AT DOORS OR ENTRANCE/EXITS SHALL BE PER ARCHITECTURAL PLANS. MINIMUM WIDTH IS DOOR WIDTH PLUS 1.0 FEET EACH SIDE. PROVIDE POSITIVE SLOPE AWAY FROM DOOR THRESHOLDS OF 1/8 INCH PER FOOT (1.0%) MINIMUM. SIDEWALK SLOPES GREATER THAN 1:20 (0.05 FT./FT.) WILL BE CONSIDERED RAMPS. MAXIMUM SLOPE FOR SIDEWALKS IS 1:12 (0.083 FT./FT.). MAXIMUM SIDEWALK CROSS SLOPE IS 1/4 INCH PER FOOT. SIDEWALKS SHALL BE INSTALLED WITH MINIMUM 6X6 10 GAUGE WWF REINFORCEMENT, 1.5 INCHES FROM BOTTOM. HANDRAILING SHALL BE INSTALLED ON BOTH SIDES OF SIDEWALK RAMPS PER ADA CODE. CONTRACTOR SHALL INSTALL STEPS AND RAILING PER LOCAL CODE(S) AND CONSTRUCTION DETAILS. CONSULT WITH ARCHITECT REGARDING SIDEWALK AND RAILING DETAILS PRIOR TO CONSTRUCTION. MINIMUM RAILING DETAIL REQUIREMENT(S) SHALL COMPLY WITH GEORGIA D.O.T. 9031R OR AS SHOWN ON PLANS AND SPECIFICATIONS. CANOPIES SHALL BE INSTALLED PER ARCHITECTURAL PLANS AND SPECIFICATIONS. COORDINATE AND VERIFY ALL SIDEWALK LAYOUT, WIDTH, LOCATION AND FINISH WITH ARCHITECT PRIOR TO CONSTRUCTION.

**[TC] TRAFFIC CONTROL:**

CONTRACTOR SHALL: PROVIDE 24 HOUR TRAFFIC CONTROL FOR ALL PUBLIC RIGHT-OF-WAY, ROADWAYS, PRIVATE DRIVEM. [CA] CONTROLLED ACCESS AREAS, AND ALL AREAS REQUIRING ACCESS. PROVIDE TRAFFIC PLATES OR OTHER APPROVED METHODS FOR ALL AREAS REQUIRING TEMPORARY ACCESS WHICH MAY BE OBSTRUCTED DUE TO REQUIRED UTILITY TRENCH CUTS OR OTHER OBSTRUCTIONS. TRAFFIC CONTROL SHALL CONFORM TO GEORGIA D.O.T STANDARDS AND SPECIFICATIONS, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS. TRAFFIC CONTROL SHALL INCLUDE, BUT NOT BE LIMITED TO: WARNING SIGNS AND DEVICES, LIGHTED DEVICES/SIGNALS FOR NIGHT CONDITIONS, BARRICADES, QUALIFIED FLAGMEN, AND ALL OTHER MEASURES TO INSURE THE SAFETY OF PEDESTRIAN AND VEHICULAR TRAFFIC AND WORKMEN, AND TO PROTECT THE WORK. MAINTAIN ALL TRAFFIC CONTROL MEASURES IN GOOD REPAIR, CLEAN AND VISIBLE FOR DAY AND NIGHT OPERATION. ALL LANE CLOSURES SHALL BE COORDINATED WITH AND APPROVED BY THE LOCAL AUTHORITY PRIOR TO CONSTRUCTION.

**[TF] TEMPORARY FENCE:**

INSTALL TEMPORARY FENCE PER PROJECT SPECIFICATIONS. TEMPORARY FENCE [TF] SHOWN ON PLANS IS IN ADDITION TO TEMPORARY FENCE REQUIRED BY THE SPECIFICATIONS. MINIMUM HEIGHT IS SIX FEET (6'). TEMPORARY FENCE MUST BE INSTALLED VERTICAL (PLUMB), RIGID AND STABLE. AND WITHOUT GAPS TO PROHIBIT UNAUTHORIZED ENTRY OR REMOVAL. IN PAVED AREAS TO REMAIN [TR] WHERE [TF] IS REQUIRED PORTABLE FENCING MAY BE USED. PORTABLE FENCING MUST BE HEAVY DUTY GRADE COMPLYING WITH PROJECT SPECIFICATIONS AT A MINIMUM. SECTIONS SHALL BE CONNECTED AND ATTACHED SECURELY. VERTICAL (PLUMB), STABLE AND RIGID TO PROHIBIT UNAUTHORIZED ENTRY OR REMOVAL. PROVIDE WEIGHTED BOTTOM RAIL OR OTHER MEANS TO PREVENT HORIZONTAL DISPLACEMENT OR MOVEMENT. WHERE DRIVEN POSTS ARE USED IN AREAS TO REMAIN [TR], PAVEMENTS MUST BE CUT AND PATCHED FOR FULL DEPTH AND ALL IMPROVEMENTS MUST BE RESTORED TO MATCH INDUSTRY STANDARD OR EXISTING CONDITION, WHICHEVER IS GREATER. TEMPORARY FENCE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL FINAL RELEASE BY OWNER/ARCHITECT. INSPECT, REPAIR AND MAINTAIN TEMPORARY AND PORTABLE FENCING DAILY TO PROHIBIT UNAUTHORIZED ENTRY. SUBMIT ALL MANUFACTURER DETAILS AND SPECIFICATIONS FOR [TF] TEMPORARY FENCE AND PORTABLE FENCE APPROVAL PRIOR TO CONSTRUCTION (PTC).

**[UD] UNDISTURBED BUFFER:**

INSTALL AND MAINTAIN TREE FENCE AROUND ENTIRE PERIMETER OF UNDISTURBED AREA. NO ACCESS ALLOWED IN UNDISTURBED AREAS INCLUDING BUT NOT LIMITED TO. PEDESTRIAN, VEHICULAR, STORAGE, PARKING, OR ANY OTHER ENCROACHMENT OR DISTURBANCE. PROVIDE SIGNAGE AND INSTRUCTION TO ALL PERSONNEL AS REQUIRED.

**[VC] VERIFY & COORDINATE:**

VERIFY ALL EXISTING IMPROVEMENTS. PROTECT BY ALL MEANS NECESSARY ALL EXISTING IMPROVEMENTS TO REMAIN. COORDINATE RELOCATION, REMOVAL, STORAGE, OR DEMOLITION WITH OWNER OR OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.

**GRADING NOTES:**

- SEE GENERAL CONSTRUCTION NOTES FOR FURTHER INFORMATION RELATING TO SITE DEVELOPMENT AND GRADING IMPROVEMENTS.
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE LOCAL AUTHORITIES HAVING JURISDICTION (LAHJ). ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBANCE. SEE EROSION CONTROL PLAN FOR DETAILS.
- THIS SITE IS WITHIN A 100 YEAR FLOOD HAZARD PER FEMA F.I.R.M. MAP 15057C2236E DATED 06-07-2019.
- ALL UTILITIES SHOWN ON THE PLANS ARE SHOWN ACCORDING TO THE INFORMATION AVAILABLE, AND MAY NOT BE ACCURATE HORIZONTALLY OR VERTICALLY. GAS LINES SHALL BE LOCATED AND VERIFIED WITH GAS AUTHORITY PRIOR TO CONSTRUCTION. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION, ORIGIN, VERIFICATION, PROTECTION, AND MAINTENANCE OF ALL UTILITIES AND UTILITY EASEMENTS WHICH EXIST ONSITE. CONTRACTOR SHALL HAVE ALL UTILITIES FIELD LOCATED BY THE APPROPRIATE AUTHORITY AND COORDINATE ALL EXISTING OR PROPOSED UTILITY CONSTRUCTION, RELOCATION, TAPS OR OTHER ASSOCIATED WORK WITH THE APPROPRIATE UTILITY AUTHORITY. RESOLVE ALL CONFLICTS OR PROBLEMS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE ALL UNDERGROUND UTILITIES FOR PROPOSED CONSTRUCTION WITH OWNER AND UTILITY AUTHORITY, INCLUDING BUT NOT LIMITED TO: GAS LINES, POWER LINES, CABLE TV OR TELEPHONE, IT LINES, IRRIGATION LINES, AND OTHER ASSOCIATED UTILITIES WHETHER SHOWN ON THE PLANS OR NOT. RESOLVE ALL CONFLICTS OR PROBLEMS PRIOR TO CONSTRUCTION.
- ALL CUT AND FILL GRADING OPERATIONS SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS AND REQUIREMENTS OF THE GEOTECHNICAL/SOILS ENGINEER. SUBSURFACE SOIL CONDITIONS WHICH MAY BE ENCOUNTERED, SUCH AS UNDERGROUND SPRINGS, HIGH WATER TABLE, ROCK OR UNSUITABLE SOILS, SHALL BE RESOLVED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SOILS ENGINEER. IN THE ABSENCE OF A QUALIFIED SOILS ENGINEER, THE CONTRACTOR IS RESPONSIBLE FOR ALL SOILS AND CONSTRUCTION SELECTED FOR ANY USE IN COMPLETING THE WORK.
- PWH ENGINEERING, INC., IS NOT RESPONSIBLE FOR SUITABILITY, STRUCTURAL INTEGRITY, COMPACTION, CUT OR FILL QUANTITY OF ANY SOILS SELECTED OR REQUIRED FOR USE IN THE COMPLETION OF THE WORK.
- MINIMUM COMPACTION FOR ALL FILL IS 95% MAXIMUM DRY DENSITY PER ASTM D698, OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER, OR AS SPECIFIED IN THE GEOTECHNICAL SOILS SUBSURFACE EVALUATION ANALYSIS AND REPORT, WHICHEVER IS GREATER.
- MAXIMUM CUT OR FILL SLOPE IS 2H:1V UNLESS SPECIFIED OTHERWISE.
- MINIMUM FLOOR ELEVATIONS SHOWN ARE BASED UPON EXISTING CONDITIONS, PROPER FUNCTIONING OF CHANNELS, DRAINAGE COURSES, AND STORM DRAIN SYSTEMS, ANY RESTRICTIONS OR ALTERATIONS TO THESE ELEMENTS MAY CAUSE FLOODING ABOVE THE STATED MINIMUM FLOOR ELEVATIONS.
- CONTRACTOR SHALL PROVIDE POSITIVE SLOPE AWAY FROM ALL BUILDINGS, FINISHED FLOORS, AND STRUCTURES WHICH MAY BE DAMAGED BY WATER INTRUSION FOR A MINIMUM OF 5.0 FEET HORIZONTALLY.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL LOCAL, STATE, FEDERAL, AND INDUSTRY STANDARD SAFETY DEVICES, PROCEDURES, PRECAUTIONS, AND EQUIPMENT REQUIRED TO COMPLETE THE WORK. NO PERSON SHALL ENTER ANY MANHOLE OR OTHER UNDERGROUND STRUCTURE OR EXCAVATION, WITHOUT PROTECTIVE BREATHING APPARATUS, AND AT LEAST ONE OTHER PERSON PRESENT FOR SAFETY. ALL TRENCHES, GRADING, EXCAVATION, AND EARTHWORK SHALL CONFORM TO OSHA STANDARDS FOR SAFETY, SHORING, AND BRACING.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJACENT PROPERTY OR EXISTING UTILITIES OR IMPROVEMENTS DUE TO CONSTRUCTION REQUIRED TO COMPLETE THE WORK. ALL DAMAGED PROPERTY SHALL BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR.
- LINE OF SIGHT DISTANCE AT INTERSECTIONS SHALL BE MAINTAINED PERMANENTLY FREE AND CLEAR OF ALL OBSTRUCTION.
- FINISHED GRADES LESS THAN 1.0% (1 FT. PER 100 FT.) MAY BE REQUIRED DUE TO SITE CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS NECESSARY TO PROVIDE GRADES WITHOUT PONDING OR DEPRESSED AREAS.
- FLOW ARROWS AND SPOT ELEVATIONS SHOWN DETERMINE DESIGN INTENT. WHERE CONFLICTS OCCUR BETWEEN FLOW ARROWS AND SPOT ELEVATIONS NOTIFY ENGINEER IMMEDIATELY AND RESOLVE PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL ESTABLISH PERMANENT GRASSING ON ALL DISTURBED AREAS PRIOR TO FINAL RELEASE, WHETHER SHOWN ON THE PLANS OR NOT.
- OWNER IS RESPONSIBLE FOR COMPLIANCE WITH CLEAN WATER ACT, USACE WETLANDS AND SECTION 404 PERMITTING.
- THE CONTRACTOR SHALL PROVIDE STORM WATER DISCHARGE MONITORING, DOCUMENTATION, AND REPORTING, AND FULLY COMPLY WITH THE CURRENT GEORGIA NPDES PERMIT CONDITIONS AND REQUIREMENTS. CONTRACTOR SHALL PROVIDE COPIES OF ALL REPORTING AND DOCUMENTATION TO OWNER IMMEDIATELY AND THROUGHOUT CONSTRUCTION. **CONTRACTOR SHALL SIGN, CERTIFY, AND SUBMIT THE NOTICE OF INTENT (NOI) USING REGISTERED MAIL, AND ANY OTHER RELATED NOTICE(S), APPLICATIONS, OR CERTIFICATIONS REQUIRED FOR FULL COMPLIANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS. CONTRACTOR SHALL PROVIDE COPIES OF ALL REPORTING AND DOCUMENTATION TO OWNER IN A TIMELY MANNER THROUGHOUT CONSTRUCTION.**
- ALL SOILS USED FOR FILL IN EARTHEN DAMS OR WATER IMPOUNDMENT AREAS SHALL BE ML OR CL LOW PLASTICITY CLAYS PER THE UNIFIED SOIL CLASSIFICATION, APPROVED BY THE GEOTECHNICAL ENGINEER. ALL ORGANICS, TOSPOIL, OR OTHER UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE ENTIRE FILL AREA. ALL FILL SHALL BE PLACED IN MAXIMUM 6 INCH LIFTS, MINIMUM COMPACTION IS 95% OF STANDARD MAXIMUM DENSITY. NO GRAVEL, AGGREGATE OR GRAVEL PIPE BEDDING, OR ANY PERVIOUS MATERIAL SHALL BE PLACED IN THE DAM OR FILL AREA(S). SCARIFY EXISTING SUBGRADE PRIOR TO PLACING FILL.
- ALL STORM SEWER STRUCTURES, PIPING, AND APPURTENANCES SHALL BE COMPLETELY CLEANED AND FREE OF ALL TRASH, DEBRIS, SEDIMENT, SILT, OR OTHER UNSUITABLE MATERIALS PRIOR TO FINAL RELEASE.
- CONTRACTOR SHALL PROVIDE ONSITE UTILITY LOCATIONS FOR ALL UTILITIES BY PRIVATE UTILITY LOCATING COMPANY. PROVIDE OWNER/ENGINEER COMPLETE RESULTS OF ALL UTILITY LOCATION(S) PRIOR TO CONSTRUCTION. THIS REQUIREMENT IS IN ADDITION TO THE STANDARD UPC LOCATION OF UTILITIES.
- EXISTING STORM SEWER CAPACITY AND SERVICE LEVEL WILL NOT BE INCREASED OR ENHANCED BY PROPOSED DESIGN.

**GENERAL CONSTRUCTION NOTES:**

- LAHJ = LOCAL AUTHORITIES HAVING JURISDICTION.
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM, AT A MINIMUM, TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE LAHJ. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL CURRENT APPLICABLE STANDARDS, SPECIFICATIONS, AND DETAILS OF THE LAHJ. ALL DISCREPANCIES BETWEEN THESE STANDARDS AND THE CONSTRUCTION PLANS AND SPECIFICATIONS SHALL BE REPORTED IMMEDIATELY FOR RESOLUTION PRIOR TO CONSTRUCTION.
- WHEN ANY CONSTRUCTION, MATERIALS, OR SPECIFICATIONS FOR THE SAME OR SIMILAR ITEMS OR REQUIREMENTS ARE SHOWN IN MORE THAN ONE PLACE IN THE CONSTRUCTION DOCUMENTS, PLANS, OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY AS DETERMINED BY THE ENGINEER.**
- THE CONTRACTOR IS RESPONSIBLE FOR ALL FEDERAL, STATE, OSHA, AND LOCAL SAFETY REGULATIONS, LAWS, CODES OR ORDINANCES WHICH MAY APPLY.
- THE CONTRACTOR SHALL REVIEW THE PLANS AND SPECIFICATIONS FOR ERRORS, OMISSIONS, DISCREPANCIES, OR CONFLICTS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY ERRORS OR OMISSIONS IN THE PLANS, OR BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS, IMMEDIATELY. ANY WORK DONE AFTER SUCH DISCOVERY, WITHOUT APPROVAL, IS AT THE CONTRACTOR'S RISK.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO AND FROM THE SITE AT ALL TIMES. UTILITY SERVICES SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE ANY TEMPORARY INTERRUPTION OF ACCESS OR UTILITIES WITH THE OWNER PRIOR TO THE INTERRUPTION.
- ALL MATERIALS TO BE REMOVED SHALL BE DISPOSED OF OFFSITE IN A LEGAL MANNER. AVAILABLE, AND MAY NOT BE ACCURATE HORIZONTALLY OR VERTICALLY. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION, ORIGIN, VERIFICATION, PROTECTION AND MAINTENANCE OF ALL UTILITIES WHICH EXIST ONSITE OR MAY BE IMPACTED BY THE WORK. CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED AND MARKED BY THE APPROPRIATE AUTHORITIES AND COORDINATE ALL UTILITY CONSTRUCTION, TAPS, OR OTHER ASSOCIATED WORK WITH THE APPROPRIATE UTILITY AUTHORITY. RESOLVE ANY CONFLICTS OR ERRORS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CLEARLY MARK AND MAINTAIN PROPERTY CORNERS, BOUNDARY, MONUMENT, AND BENCHMARKS THROUGHOUT CONSTRUCTION.
- CONTRACTOR SHALL REVIEW ALL SITE IMPROVEMENTS, WALKS, PARKING, PAVEMENT, BUILDINGS, STRUCTURES, OR OTHER IMPROVEMENTS SHOWN ON THESE PLANS FOR CONFORMITY WITH THE CURRENT APPROVED ARCHITECTURAL AND RELATED ENGINEERING PLANS. RESOLVE ALL CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADES, SIGNS, LIGHTS, OR OTHER DEVICES FOR THE SAFETY AND PROTECTION OF ALL PERSONS ON THE SITE. FOR TRAFFIC SAFETY, IN THE ABSENCE OF SPECIFIC TRAFFIC REQUIREMENTS OF THE LAHJ, THE MANUAL FOR UNIFORM TRAFFIC SAFETY CONTROL DEVICES SHALL BE USED.
- PROPOSED BUILDING AND STRUCTURE LOCATIONS ARE SHOWN BASED ON ARCHITECTURAL PLANS PROVIDED. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL BUILDING DIMENSIONS, EXISTING AND PROPOSED, JUNCTIONS, COMMON POINTS, AND LAYOUT GEOMETRY AS REQUIRED FOR COMPLETION OF THE WORK.
- MINIMUM PIPE BEDDING FOR ALL PIPING SHALL CONFORM TO GEORGIA D.O.T. STANDARDS AND SPECIFICATIONS, UNLESS SPECIFIED OTHERWISE. UNSUITABLE, WET, SPONGY, OR SOFT SOILS WILL REQUIRE ADDITIONAL BEDDING DESIGN AND CONSTRUCTION, AND SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER FOR RESOLUTION PRIOR TO PROCEEDING WITH THE AFFECTED WORK.
- BOUNDARY, TOPOGRAPHIC, VERTICAL AND HORIZONTAL SURVEY DATA PROVIDED BY OTHERS. PWH ENGINEERING, INC. IS NOT RESPONSIBLE FOR ERRORS, OMISSIONS, OR OTHER DEFECTS ARISING FROM OR RELATED TO ANY INFORMATION OR DATA PROVIDED BY OTHERS.
- CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION AND COORDINATION WITH THE LAHJ FOR START OF CONSTRUCTION AND INSPECTION PROCEDURES.
- ALL CONSTRUCTION DETAILS SHOWN ON THE PLANS ARE FOR REFERENCE ONLY. CONTRACTOR SHALL REVIEW AND VERIFY ALL CONSTRUCTION DETAILS FOR COMPLIANCE WITH CURRENT REFERENCED STANDARDS AND THE LAHJ.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL LOCAL, STATE, FEDERAL, AND INDUSTRY STANDARD SAFETY DEVICES, PROCEDURES, PRECAUTIONS, AND EQUIPMENT REQUIRED TO COMPLETE THE WORK. NO PERSON SHALL ENTER ANY MANHOLE OR OTHER UNDERGROUND STRUCTURE OR EXCAVATION, WITHOUT PROTECTIVE BREATHING APPARATUS, AND AT LEAST ONE OTHER PERSON PRESENT FOR SAFETY. ALL TRENCHES, GRADING, EXCAVATION, AND EARTHWORK SHALL CONFORM TO OSHA STANDARDS FOR SAFETY, SHORING, AND BRACING.
- MINIMUM FINISHED FLOOR ELEVATIONS WHICH MAY BE SHOWN ARE BASED UPON EXISTING CONDITIONS AND PROPER FUNCTION OF CHANNELS, DRAINAGE COURSES, AND STORM DRAIN SYSTEMS. ANY RESTRICTION, DAMAGE, OR ALTERATION TO THESE ELEMENTS, EXISTING OR PROPOSED, MAY CAUSE FLOODING ABOVE THE STATED MINIMUM FLOOR ELEVATIONS.
- CONTRACTOR SHALL ESTABLISH PERMANENT GRASSING ON ALL DISTURBED AREAS PRIOR TO FINAL RELEASE, WHETHER SHOWN ON THE PLANS OR NOT.
- THE CONTRACTOR SHALL PROVIDE STORM WATER DISCHARGE MONITORING, DOCUMENTATION, AND REPORTING, AND FULLY COMPLY WITH THE CURRENT GEORGIA NPDES PERMIT CONDITIONS AND REQUIREMENTS. **CONTRACTOR SHALL SIGN, CERTIFY, AND SUBMIT THE NOTICE OF INTENT (NOI) USING REGISTERED MAIL, AND ANY OTHER RELATED NOTICE(S), APPLICATIONS, OR CERTIFICATIONS REQUIRED FOR FULL COMPLIANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS. CONTRACTOR SHALL PROVIDE COPIES OF ALL REPORTING AND DOCUMENTATION TO OWNER IN A TIMELY MANNER THROUGHOUT CONSTRUCTION.**
- NO PARKING FOR CONTRACTORS OR SUBCONTRACTORS WILL BE ALLOWED ON PUBLIC STREETS OR RIGHT OF WAY.
- ALL CUTS IN PAVEMENT AND PAVEMENT EDGES ADJOINING NEW PAVEMENT SHALL BE SAW CUT. ALL RIGID PAVEMENT TO RIGID PAVEMENT SHALL BE DOWELED WITH NO. 4 BARS SPACED 12-INCHES ON CENTER AND GROUDED.
- CONTRACTOR SHALL COORDINATE WITH AUTHORIZED REPRESENTATIVE FOR OWNER AND OBTAIN APPROVAL PTC FOR ALL DAILY CONSTRUCTION ACTIVITIES SCHEDULED AND ANY IMPACT ON REQUIRED ACTIVITIES, EVENTS, OR ACCESS WHICH MAY BE AFFECTED IN ANY WAY. DO NOT ALLOW PEDESTRIANS, PUBLIC, OR OTHER UNAUTHORIZED PERSON(S) TO ENTER WORK AREAS. WORK AND STORAGE AREA(S) SHALL BE FENCED [TF] AND SECURE [CA] AT ALL TIMES FOR ALL PHASES OF CONSTRUCTION. FOUL OR OFFENSIVE LANGUAGE, IMPROPER OR REVEALING CLOTHING OR ATTIRE, ALCOHOL, FIREARMS, DRUGS, OR OTHER INAPPROPRIATE BEHAVIOR AS DETERMINED BY OWNER IS STRICTLY PROHIBITED. ANY INTERACTION OR CONTACT WITH PUBLIC, STAFF OR VISITORS IS STRICTLY PROHIBITED AT ALL TIMES. ALL COORDINATION AND COMMUNICATION SHALL BE THROUGH THE DESIGNATED OWNER AUTHORIZED REPRESENTATIVE. CONTRACTOR SHALL REVIEW AND COMPLY WITH ALL OWNER'S REQUIREMENTS, STANDARDS, POLICIES, RULES AND SPECIFICATIONS.**
- NO PARKING IN THE RIGHT OF WAY IS ALLOWED. ALL CONSTRUCTION TRAFFIC MUST BE COORDINATED WITH [TC] AT ALL TIMES WITH NO INTERRUPTION OF ACCESS FOR SCHOOL OR SCHOOL OPERATIONS.**
- DESIGN IS BASED ON SURVEY INFORMATION PROVIDED BY OTHERS. ENGINEER IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS IN ANY INFORMATION PROVIDED BY OTHERS.

N./F.  
 CHEROKEE COUNTY BOARD OF EDUCATION  
 (DEED BOOK 231, PAGE 131)  
 (DEED BOOK 231, PAGE 195)  
 (DEED BOOK 735, PAGE 182)  
 (DEED BOOK 1384, PAGE 15)  
 (DEED BOOK 7099, PAGE 29)  
 (DEED BOOK 13535, PAGE 93)

PROJECT NUMBER  
 23-017

DATE  
 09/25/23

REVISIONS	
NO.	DATE

FACILITY CODE

**KRH**  
 INCORPORATED ARCHITECTS

855 ABUTMENT ROAD  
 SUITE FOUR  
 DALTON, GA 30721  
 TEL. 706.529.5895

**PWR**  
 ENGINEERING

CIVIL ENGINEERING  
 SITE DEVELOPMENT

2000 DELA ROAD STE 700 #318 • MARIETTA, GA 30067 • PH: 770-433-8190

2017 EAST CHEROKEE DRIVE WOODSTOCK, GA 30188

ISSUE DATE: 02-06-24  
 JOB No. 22280 | SCALE: 1" = 30'

ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
 2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
 CHEROKEE COUNTY BOARD OF COMMISSIONERS



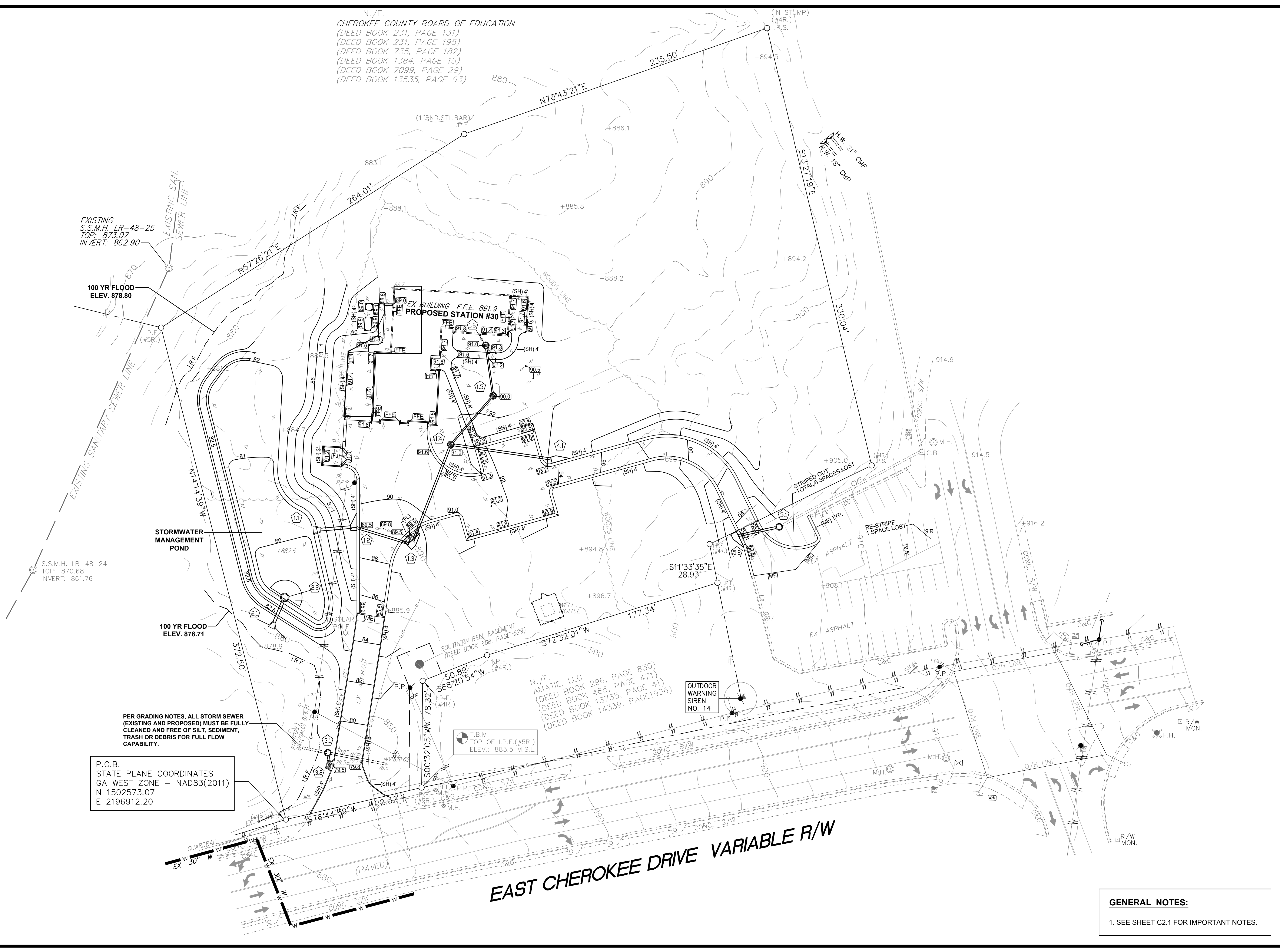
SHEET INDEX

GRADING PLAN

SHEET INDEX

**C3**

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**GENERAL NOTES:**  
 1. SEE SHEET C2.1 FOR IMPORTANT NOTES.

EXISTING  
S.S.M.H. LR-48-25  
TOP: 873.07  
INVERT: 862.90

100 YR FLOOD  
ELEV. 878.80

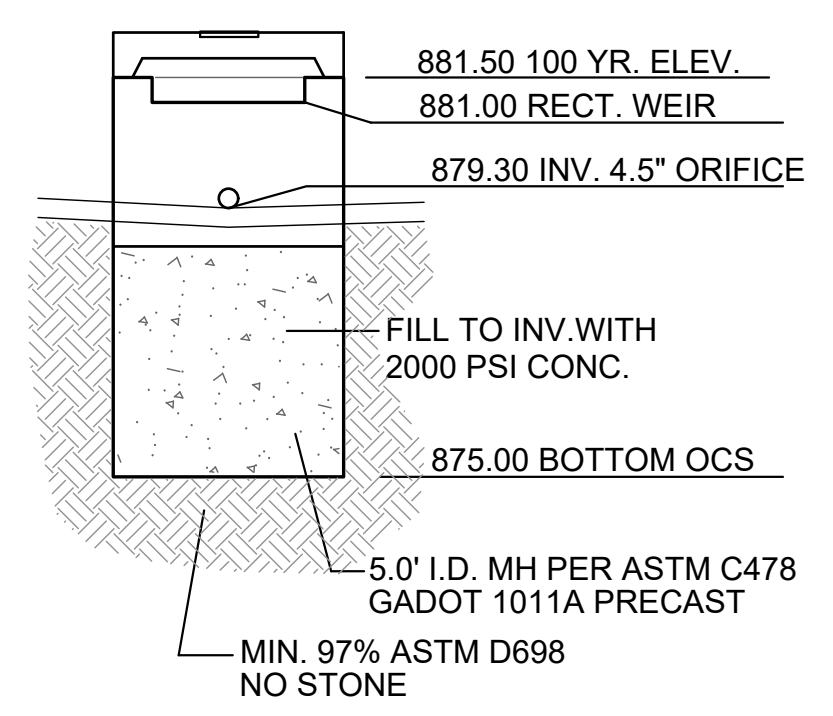
STORMWATER  
MANAGEMENT  
POND

100 YR FLOOD  
ELEV. 878.71

PER GRADING NOTES, ALL STORM SEWER  
(EXISTING AND PROPOSED) MUST BE FULLY  
CLEANED AND FREE OF SILT, SEDIMENT,  
TRASH OR DEBRIS FOR FULL FLOW  
CAPABILITY.

P.O.B.  
STATE PLANE COORDINATES  
GA WEST ZONE - NAD83(2011)  
N 1502573.07

EX BUILDING F.F.E. 891.9  
**PROPOSED STATION #30**



2.2 OUTLET CONTROL STRUCTURE

OUTDOOR  
WARNING  
SIREN  
NO. 14

T.B.M.  
TOP OF I.P.F. (#5R.)  
ELEV.: 883.5 M.S.L.

N./F.  
AMATIE, LLC  
(DEED BOOK 296, PAGE 830)  
(DEED BOOK 485, PAGE 471)  
(DEED BOOK 13735, PAGE 41)  
(DEED BOOK 14339, PAGE 1936)

PROJECT NUMBER	
23-017	
DATE	
09/25/23	
REVISIONS	
NO.	DATE
FACILITY CODE	



855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

**PWR ENGINEERING**  
CIVIL ENGINEERING  
SITE DEVELOPMENT

2000 DELA ROAD STE 700 #318 • MARIETTA, GA 30067 • PH: 770-433-6190

2017 EAST CHEROKEE DRIVE WOODSTOCK, GA 30188

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ADDITIONS & RENOVATIONS TO:  
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CHEROKEE COUNTY BOARD OF COMMISSIONERS



SHEET INDEX

POND  
DETAILS

SHEET INDEX

**C3.1**

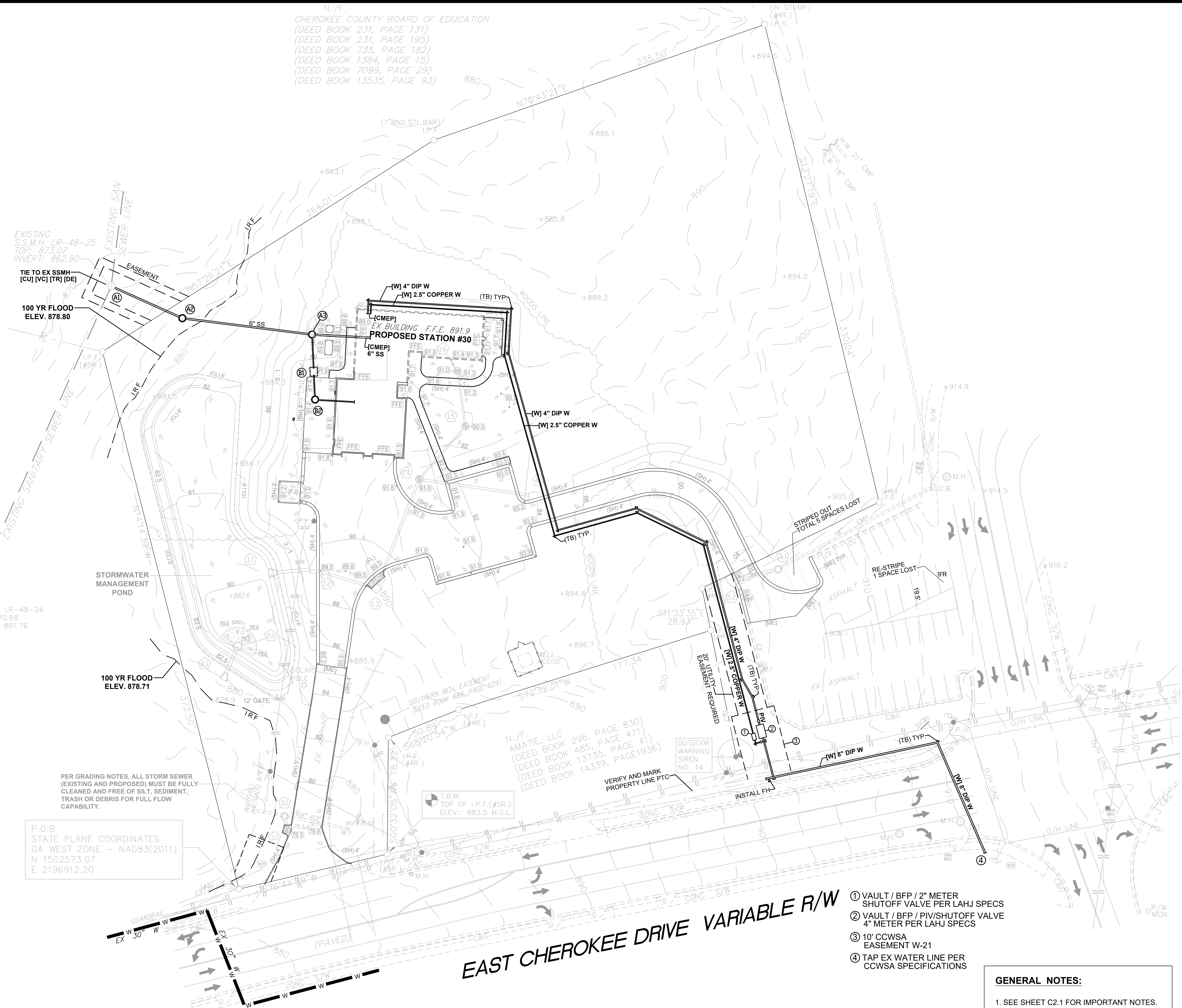
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**UTILITY CONSTRUCTION NOTES:**

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE LOCAL AUTHORITY HAVING JURISDICTION STANDARDS AND SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO: FIRE HYDRANTS, WATER LINES, VALVES, JUNCTIONS, VAULTS, CHECK VALVES, BFP'S, AND ALL OTHER UTILITY RELATED STRUCTURES OR IMPROVEMENTS REQUIRED TO COMPLETE THE WORK.
2. ALL UTILITY TAP(S) PROCEDURES SHALL CONFORM TO THE LOCAL AUTHORITY HAVING JURISDICTION STANDARDS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR ALL TAPPING COSTS, FEES, PERMITS, AND PROCESS REQUIREMENTS.
3. MAINTAIN ALL EXISTING UTILITY SERVICE(S) AT ALL TIMES.
4. PROVIDE TRAFFIC CONTROL (TC) FOR ALL WORK IN RIGHT-OF-WAY AND WORK WHICH IMPACTS TRAFFIC FLOW ONSITE. COORDINATE AND COMPLY WITH THE LOCAL AUTHORITY HAVING JURISDICTION STANDARDS AND SPECIFICATIONS.
5. OWNER/DEVELOPER IS RESPONSIBLE FOR VERIFICATION OF ADEQUATE WATER PRESSURE FOR THE PROPOSED CONSTRUCTION.
6. DO NOT OPEN CUT ANY ROAD WITHOUT WRITTEN PERMISSION FROM THE LOCAL AUTHORITY HAVING JURISDICTION. VERIFY PTC.
7. TESTING AND CLEANING OF ALL LINES SHALL BE CONTRACTOR'S RESPONSIBILITY PER LOCAL AUTHORITY REQUIREMENTS AND SPECIFICATIONS.
8. TRANSFORMER PAD LOCATION IS IN COMPLIANCE WITH IFC 604.12, MINIMUM 10 FEET FROM BUILDINGS, WALKWAYS CONNECTED TO BUILDING, 14 FEET FROM ANY DOORWAY.

**CHEROKEE COUNTY WATER & SEWERAGE AUTHORITY NOTES:**

1. SEE SHEET C7.7 FOR CHEROKEE COUNTY WATER & SEWERAGE AUTHORITY POTABLE WATER SYSTEM GENERAL CONSTRUCTION NOTES.
2. A COPY OF THE CCWSA STANDARD DETAIL BOOKLET MUST BE KEPT WITH THE STAMPED PLANS AT ALL TIMES.
3. NO LANDSCAPING (TREES, PLANTS, OR SHRUBS) OR STRUCTURES ALLOWED INSIDE CCWSA EASEMENT.
4. AS BUILT RECORD DRAWINGS AND CCWSA UTILITY EASEMENTS PER CCWSA SPECIFICATIONS AND EASEMENT POLICY HANDBOOK, SHALL BE SUBMITTED AND APPROVED BY CCWSA GIS DEPARTMENT AND INSPECTOR PRIOR TO THE RELEASE OF ANY METER SALES.



N./F.  
 CHEROKEE COUNTY BOARD OF EDUCATION  
 (DEED BOOK 231, PAGE 131)  
 (DEED BOOK 231, PAGE 195)  
 (DEED BOOK 735, PAGE 182)  
 (DEED BOOK 1384, PAGE 15)  
 (DEED BOOK 7099, PAGE 29)  
 (DEED BOOK 13535, PAGE 93)

EXISTING  
 S.S.M.H. LR-48-25  
 TOP: 873.07  
 INVERT: 862.90

TIE TO EX SSMH  
 [CU] [VC] [TR] [DE]

100 YR FLOOD  
 ELEV. 878.80

S.S.M.H. LR-48-24  
 TOP: 870.68  
 INVERT: 861.76

100 YR FLOOD  
 ELEV. 878.71

PER GRADING NOTES, ALL STORM SEWER  
 (EXISTING AND PROPOSED) MUST BE FULLY  
 CLEANED AND FREE OF SILT, SEDIMENT,  
 TRASH OR DEBRIS FOR FULL FLOW  
 CAPABILITY.

P.O.B.  
 STATE PLANE COORDINATES  
 GA WEST ZONE - NAD83(2011)  
 N 1502573.07  
 E 2196912.20

T.B.M.  
 TOP OF I.P.F. (#5R.)  
 ELEV.: 883.5 M.S.L.

N./F. AMATIE, LLC  
 (DEED BOOK 296, PAGE 830)  
 (DEED BOOK 485, PAGE 471)  
 (DEED BOOK 13735, PAGE 41)  
 (DEED BOOK 14339, PAGE 1936)

OUTDOOR  
 WARNING  
 SIREN  
 NO. 14

**EAST CHEROKEE DRIVE VARIABLE R/W**

- ① VAULT / BFP / 2" METER SHUTOFF VALVE PER LAHJ SPECS
- ② VAULT / BFP / PIV/SHUTOFF VALVE 4" METER PER LAHJ SPECS
- ③ 10" CCWSA EASEMENT W-21
- ④ TAP EX WATER LINE PER CCWSA SPECIFICATIONS

**GENERAL NOTES:**  
 1. SEE SHEET C2.1 FOR IMPORTANT NOTES.

PROJECT NUMBER  
**23-017**

DATE  
**09/25/23**

REVISIONS  
 NO. DATE

FACILITY CODE

**KRH ARCHITECTS**  
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 DALTON, GA 30721  
 TEL. 706.529.5895

**PWR ENGINEERING**  
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 2017 EAST CHEROKEE DRIVE WOODSTOCK, GA 30188

ISSUE DATE: 02-06-24  
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GEORGIA REGISTERED PROFESSIONAL ENGINEER  
 PRESTON W. HOBBY  
 No. 22558

GSWCC LEVEL II - 0000008686

SHEET INDEX

UTILITY PLAN

SHEET INDEX

**C4**



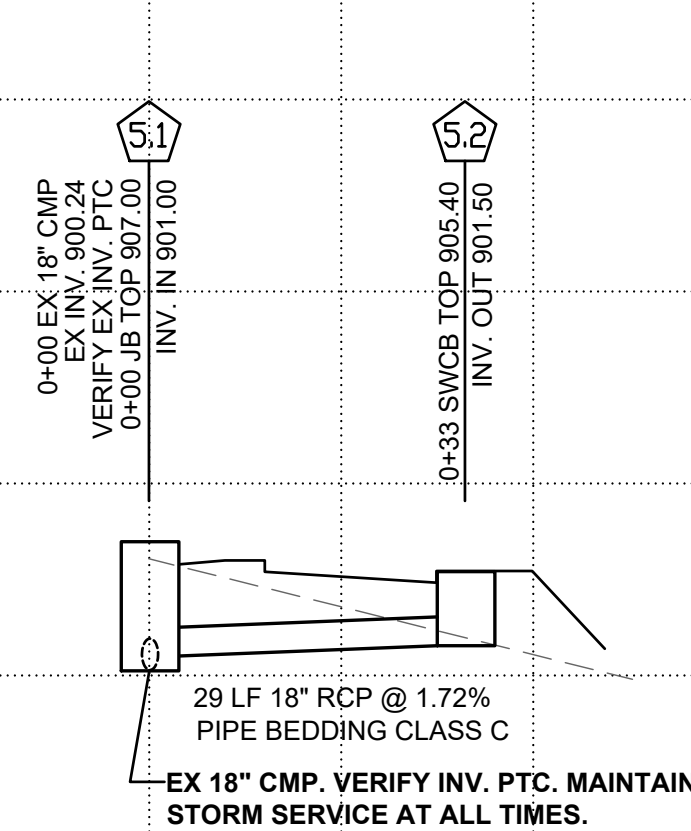


**PWR ENGINEERING**  
CIVIL ENGINEERING  
SITE DEVELOPMENT  
2900 DELA ROAD STE 700 #318 • MARIETTA, GA 30067 • PH: 770-433-8190  
2017 EAST CHEROKEE DRIVE WOODSTOCK, GA. 30188  
ISSUE DATE: 02-06-24  
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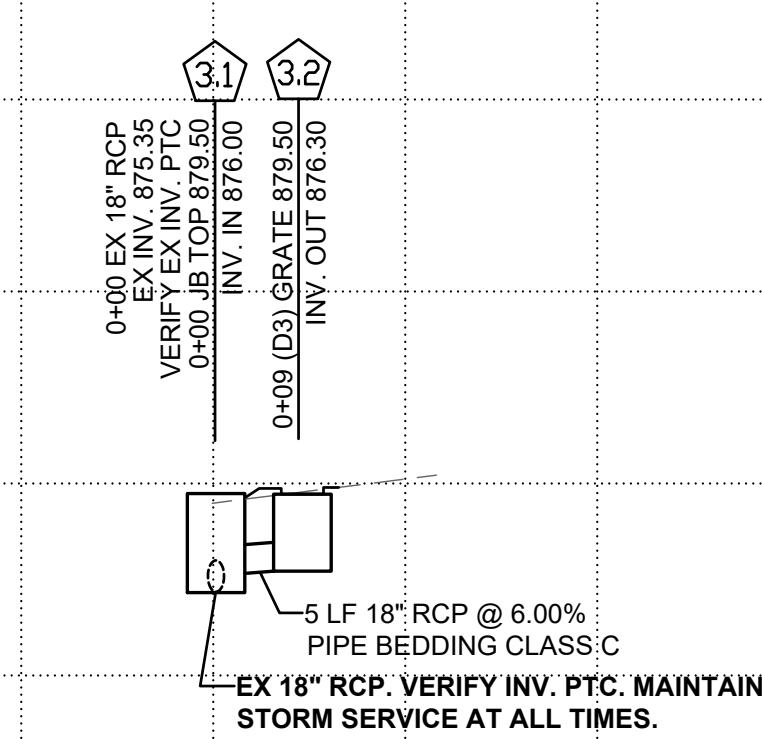
ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
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CHEROKEE COUNTY BOARD OF COMMISSIONERS



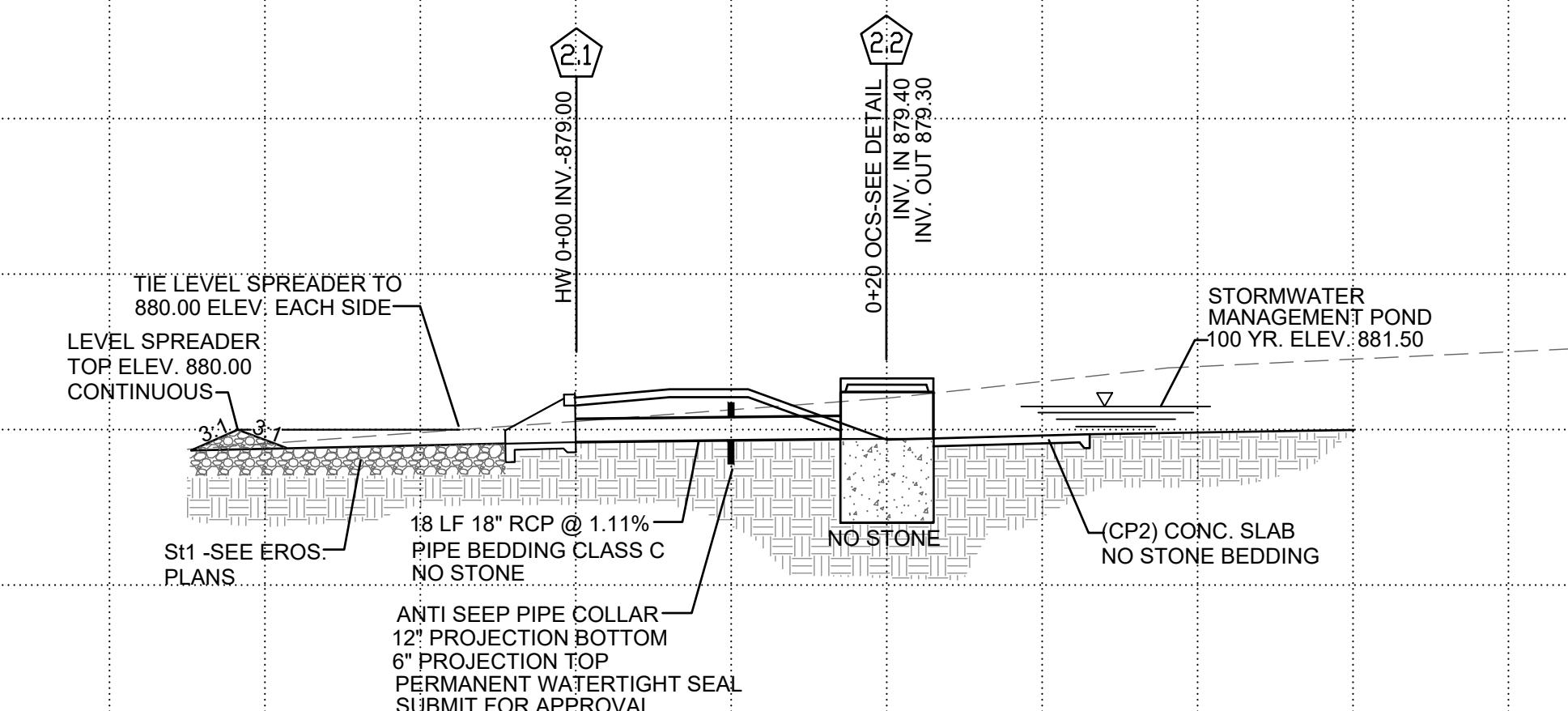
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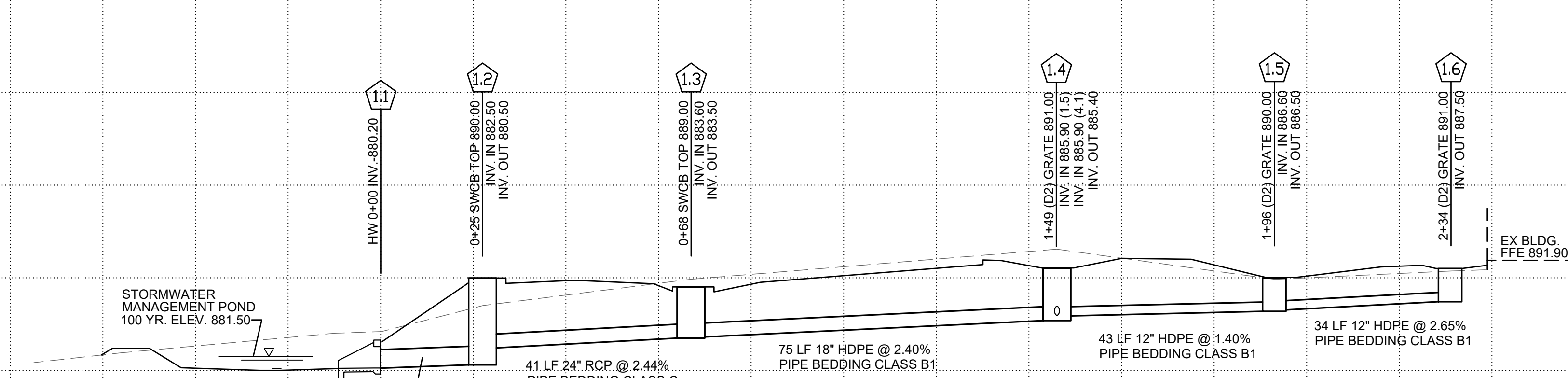
**STORM SEWER LINE 5**  
1" = 20' H 1" = 10' V



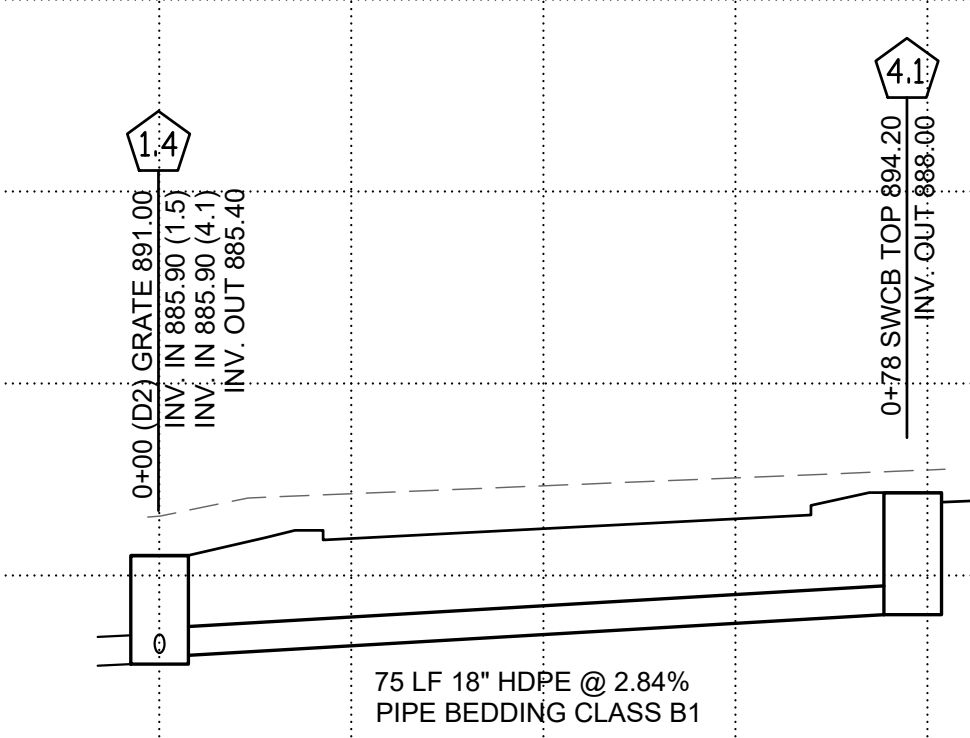
**STORM SEWER LINE 3**  
1" = 20' H 1" = 10' V



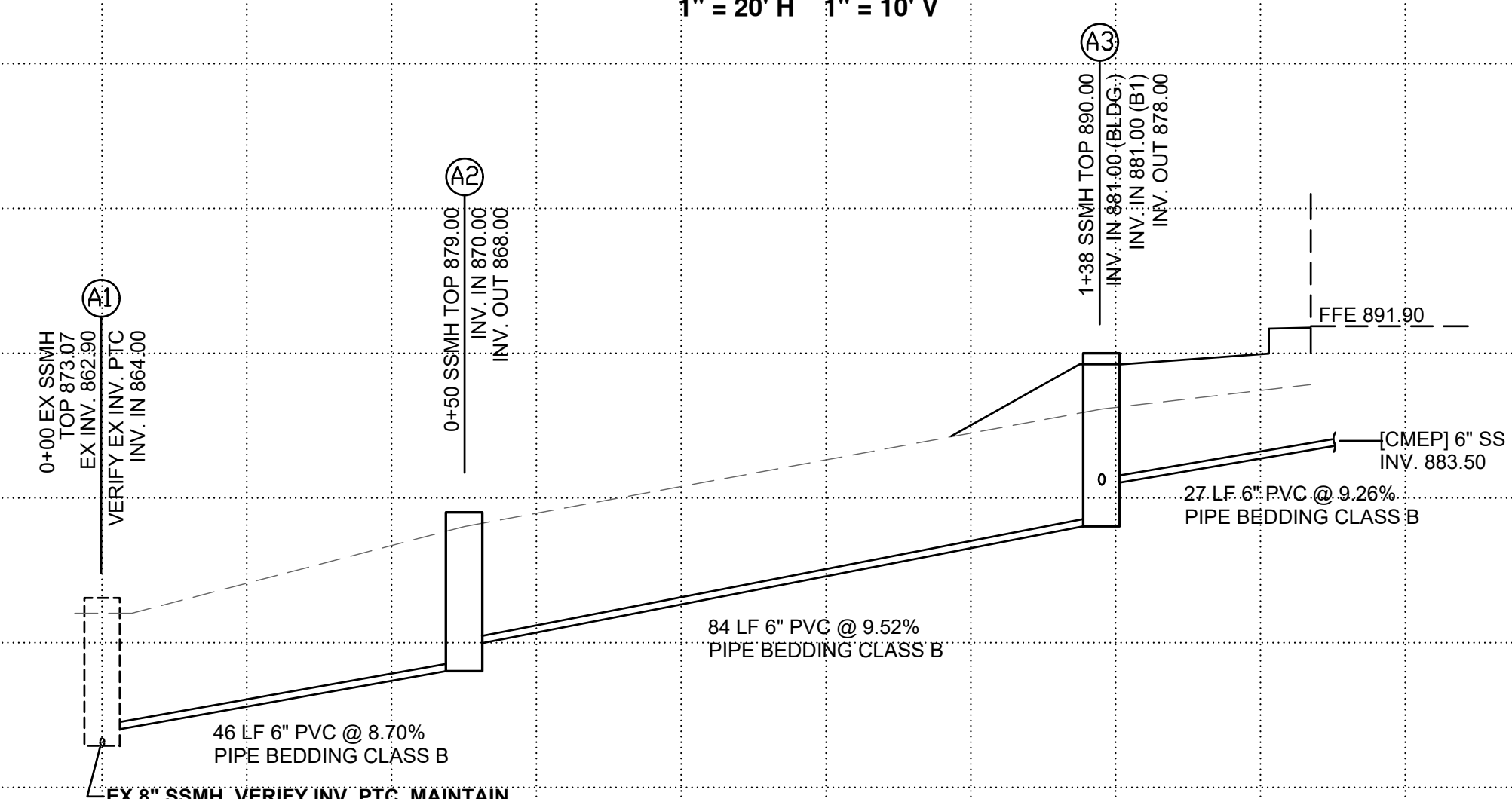
**STORM SEWER LINE 2**  
1" = 10' H 1" = 10' V



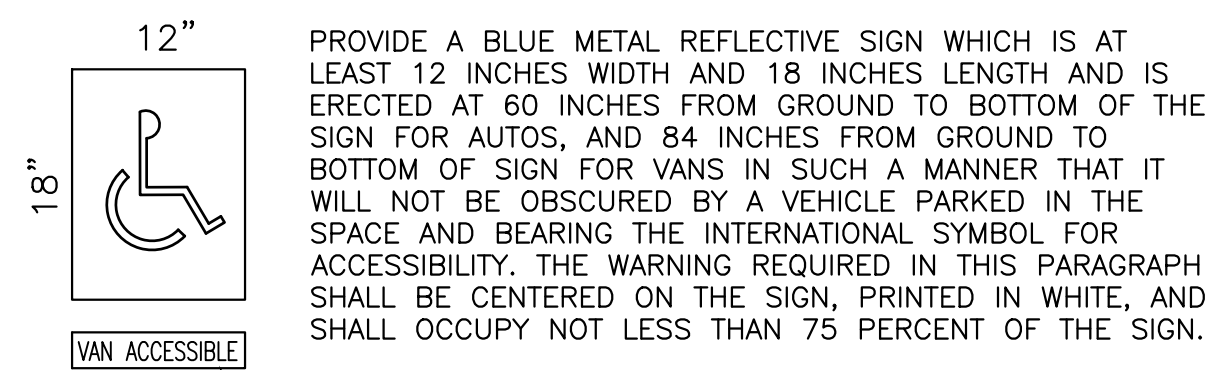
**STORM SEWER LINE 1**  
1" = 20' H 1" = 10' V



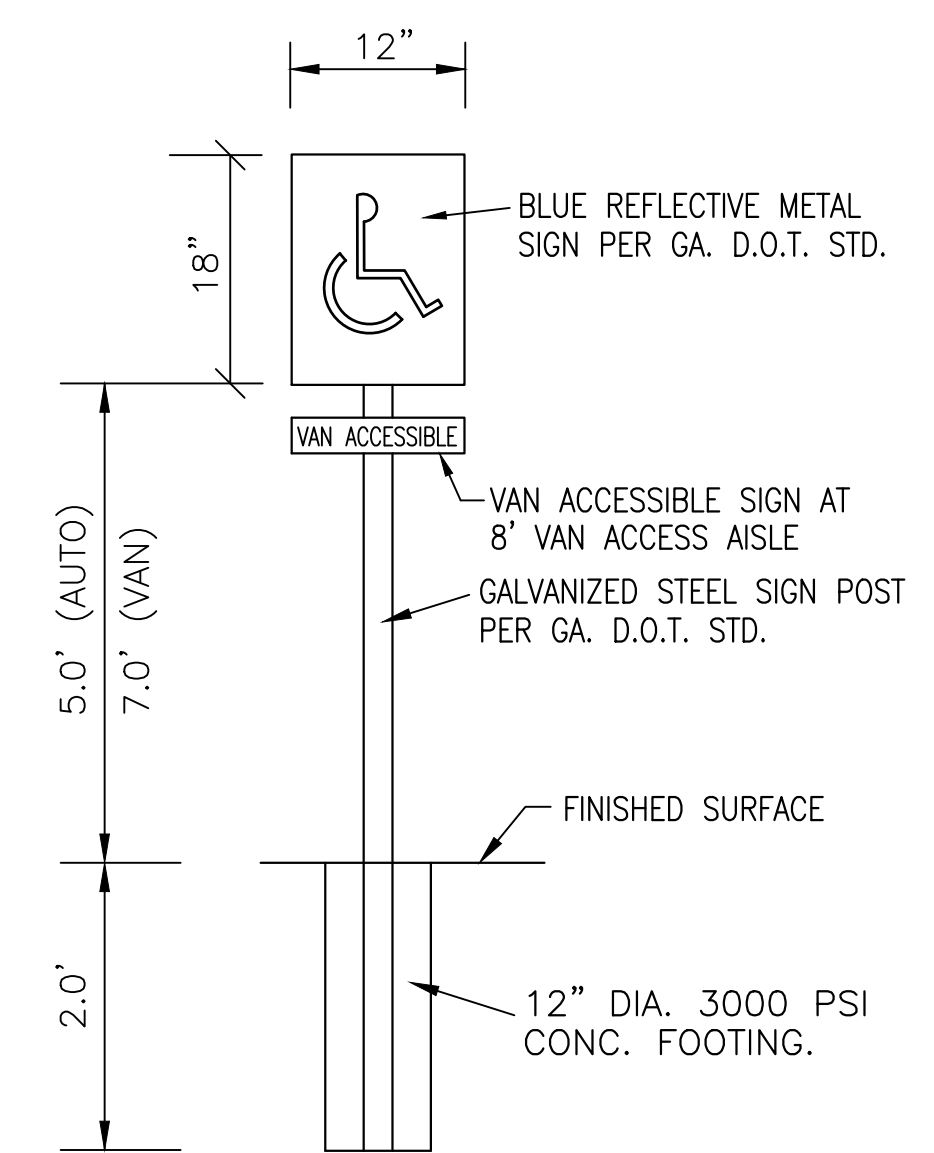
**STORM SEWER LINE 4**  
1" = 20' H 1" = 10' V



**SANITARY SEWER LINE A**  
1" = 20' H 1" = 10' V



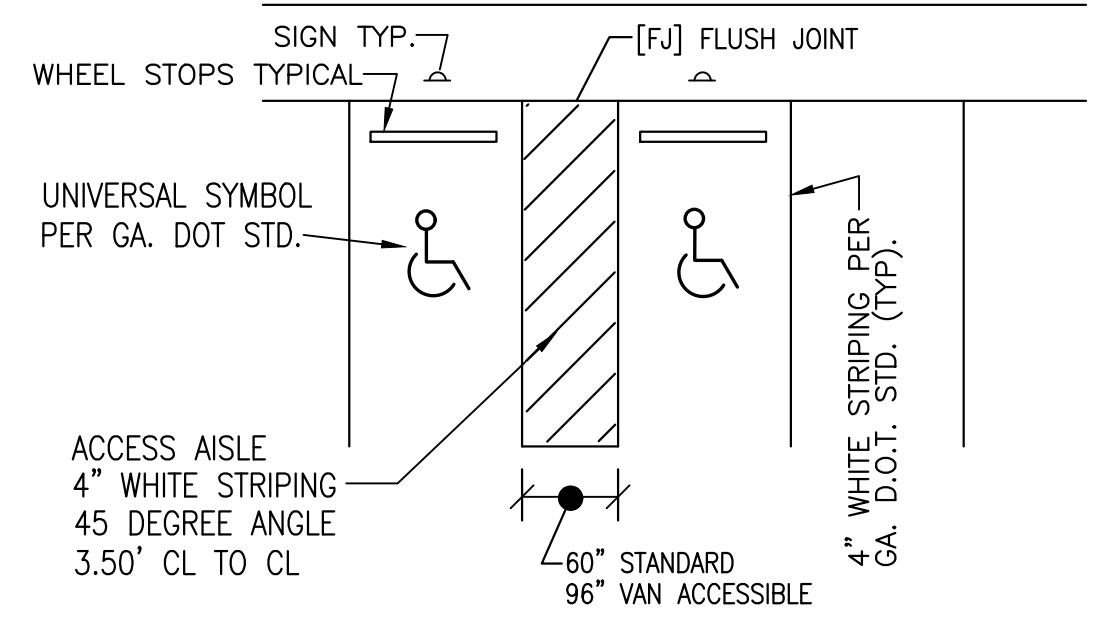
**HANDICAP SIGN DETAILS**  
N.T.S.



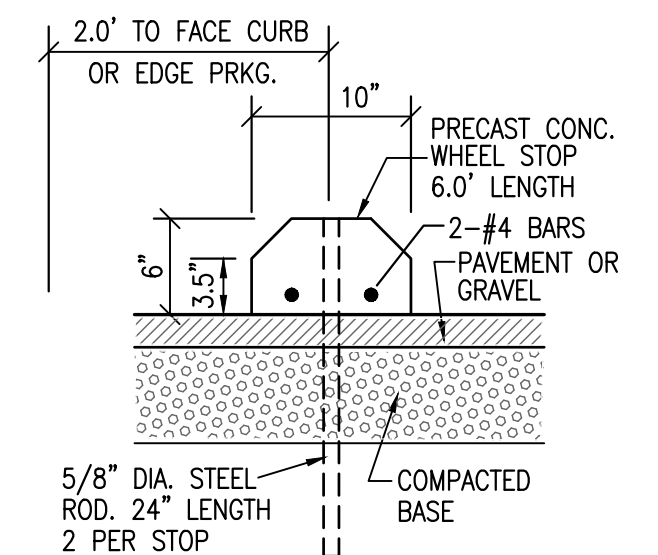
**GENERAL NOTES:**

- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE GEORGIA D.O.T. STANDARDS AND SPECIFICATIONS LATEST EDITION OR APPROVED EQUAL. APPROVED EQUAL SHALL BE AS DEFINED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- THE COLOR FOR THE HANDICAP SIGN(S) SHALL BE A REFLECTIVE BLUE COLOR WITH WHITE LETTERING OR SYMBOL.
- CONSTRUCT ALL SIGNS A MINIMUM OF TWO FEET (2.0') BEHIND THE BACK OF CURBS OR EDGE OF PARKING SPACES. DO NOT OBSTRUCT ACCESSIBLE ROUTE OR SIDEWALK WITH SIGNS.

**SIGN DETAILS**  
N.T.S.

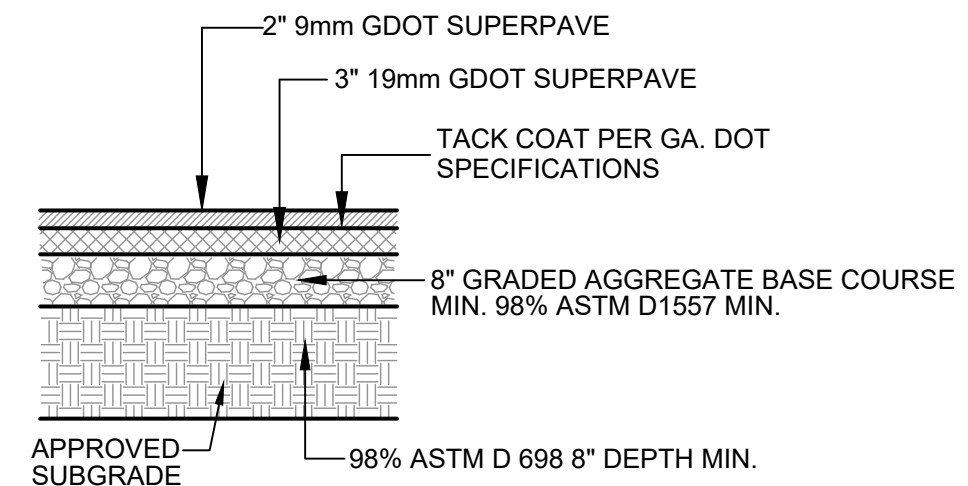


**STRIPING DETAILS**  
N.T.S.

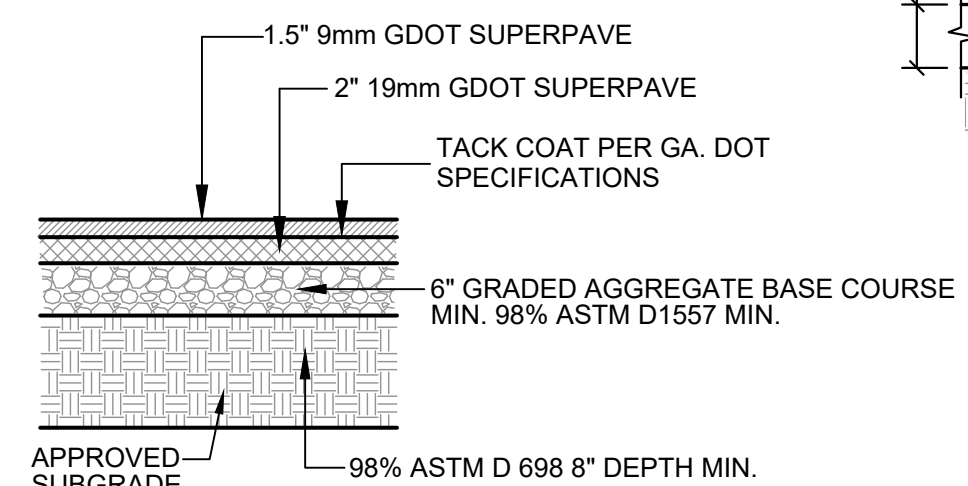


**(WS) WHEEL STOPS**

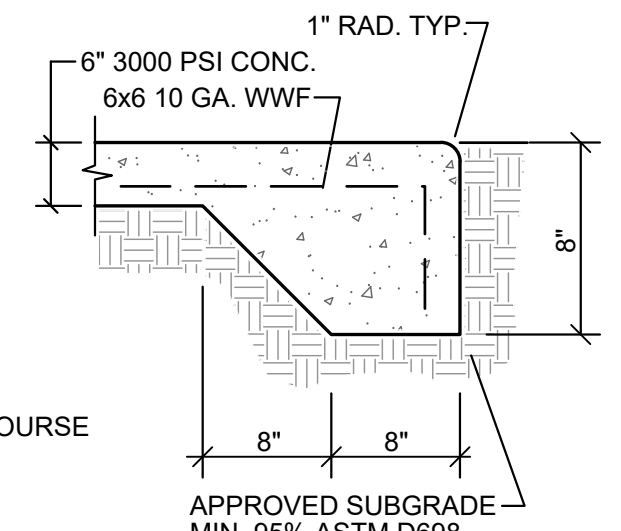
**(AD) HANDICAP PARKING DETAILS**



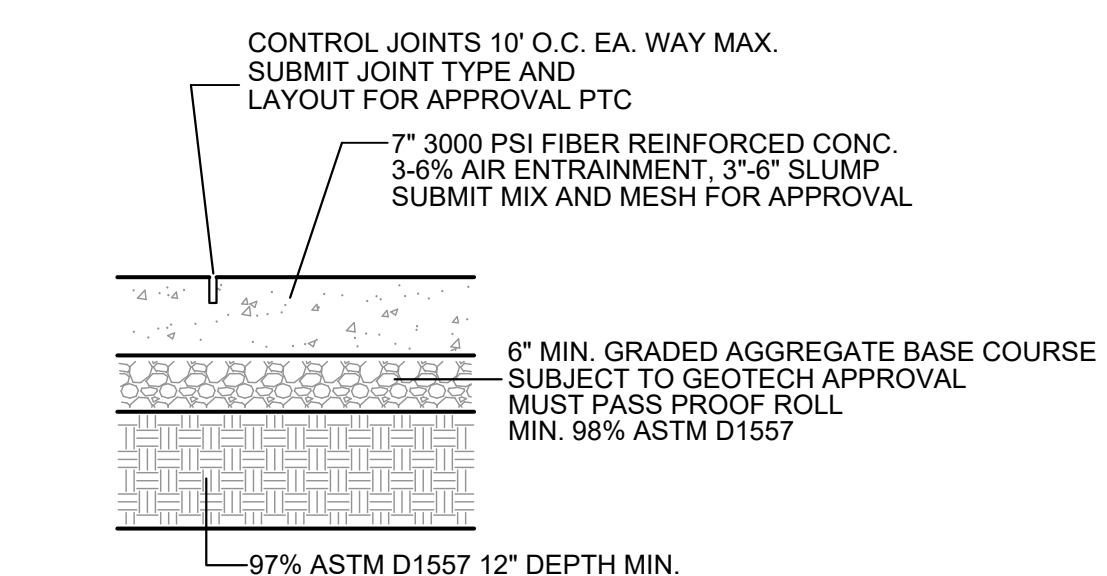
**(AP1) HD ASPHALT PAVEMENT**



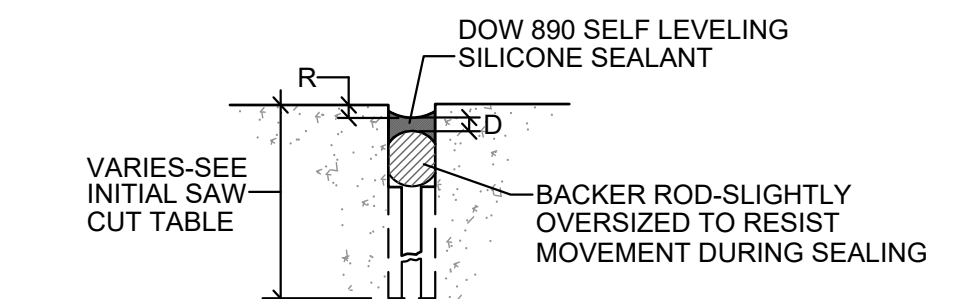
**(AP2) ASPHALT PAVEMENT**



**(CP2) CONCRETE PAD**

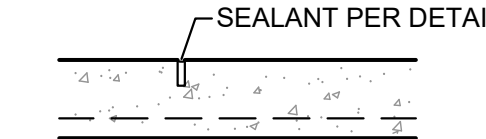


**(CP1) CONCRETE PAVEMENT**

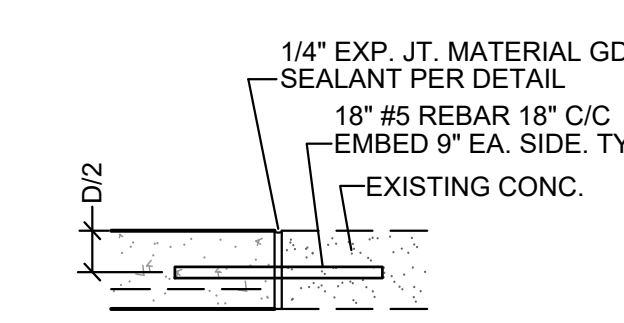


**JOINT SEALANT DETAIL**

**SAWN CONTROL JOINTS**



**FORMED CONSTRUCTION JOINT ADJOINING EXISTING CONCRETE**



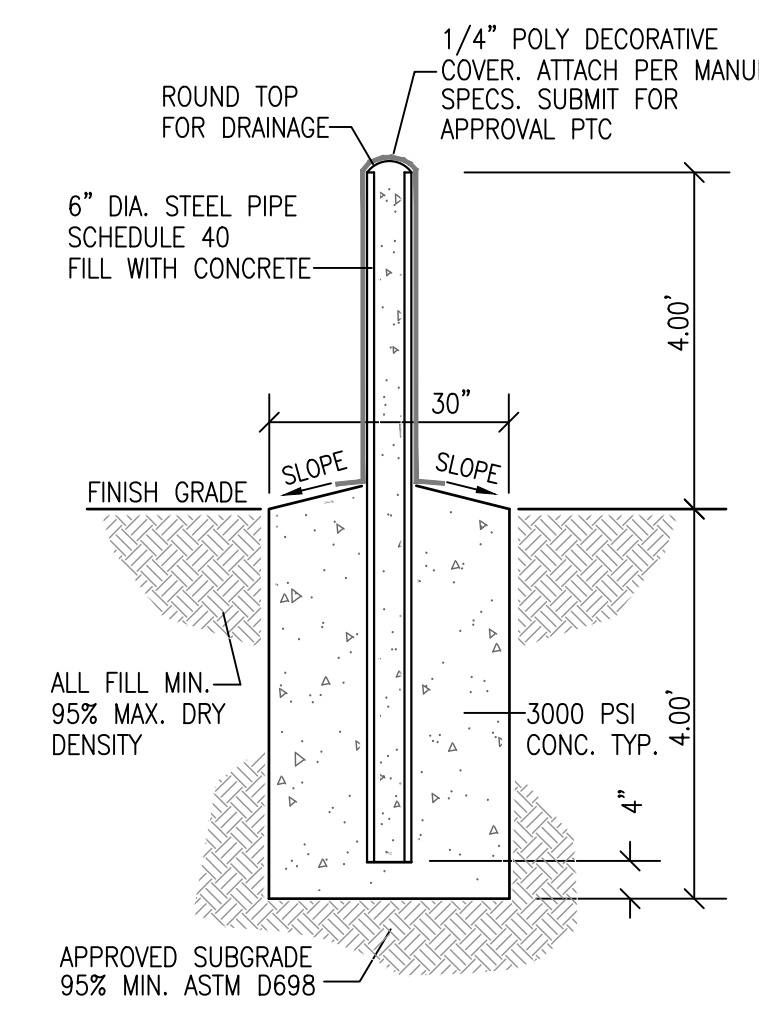
**NEW CONCRETE ADJOINING EXISTING CONCRETE**

REQUIRED MINIMUM FOR ALL INITIAL SAW CUTS			
DEPTH OF PAVEMENT	DEPTH OF CUT	WIDTH OF CUT	
6"	1 7/8"	1/8"	
7"	2"	1/8"	
8"	2 1/4"	1/8"	
8 1/2"	2 3/8"	1/8"	
9"	2 1/2"	1/8"	
10"	2 3/4"	1/8"	
11"	3"	1/8"	
12"	3 1/4"	1/8"	

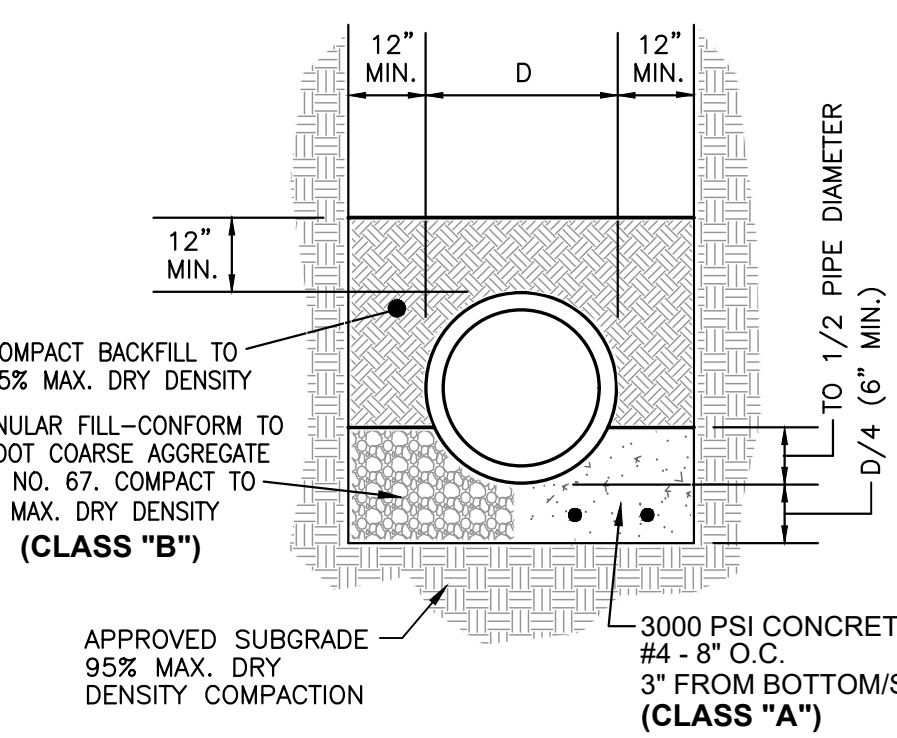
JOINT SCHEDULE			
TYPE	W	D	R
SAWN CONTROL JOINT	1/4"	1/4"-3/8"	3/8"-1/2"
FORMED CONSTRUCTION JOINT ADJOINING EXISTING CONCRETE	1/4"	1/4"-3/8"	3/8"-1/2"
NEW CONCRETE ADJOINING EXISTING CONCRETE	1/4"	1/4"-3/8"	3/8"-1/2"

- NOTE:**
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO CURRENT GDOT STANDARDS AND SPECIFICATIONS.
  - SUBMIT JOINT LAYOUT FOR APPROVAL PRIOR TO CONSTRUCTION.

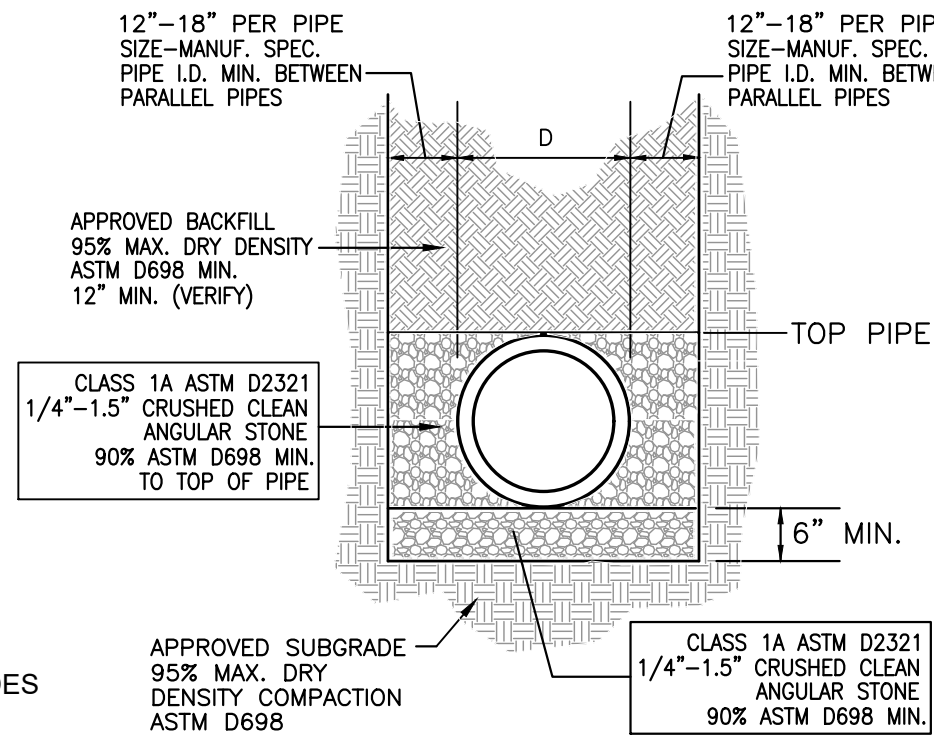
**CONCRETE JOINT DETAILS**



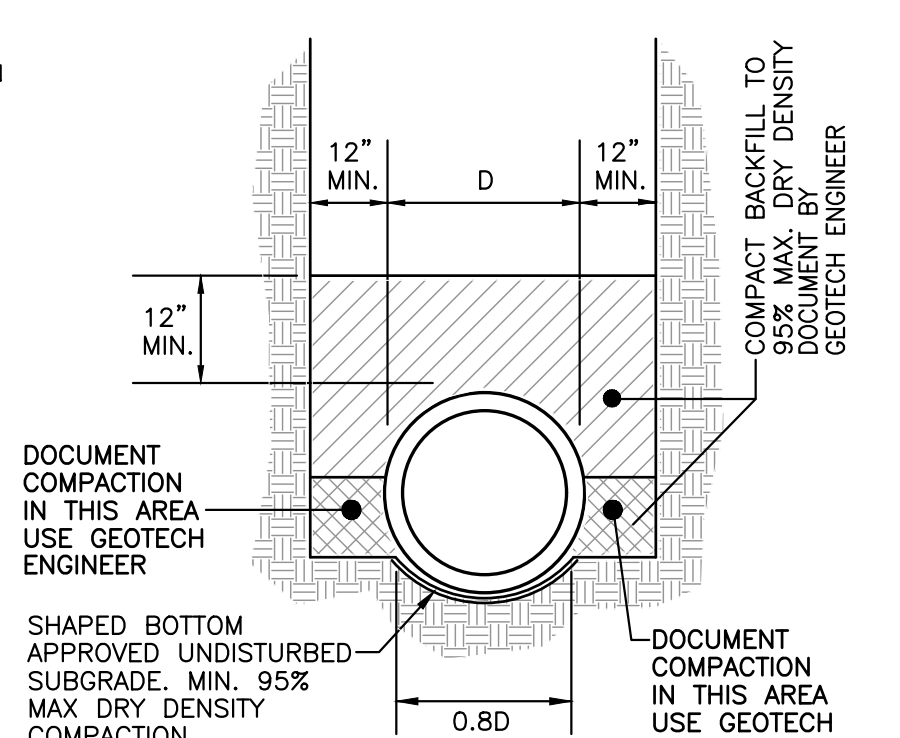
**(BO) PIPE BOLLARD DETAILS**



**CLASS "A" / CLASS "B" COMPACTED GRANULAR BEDDING**



**CLASS "B1" - HDPE PIPE ONLY COMPACTED GRANULAR BEDDING**

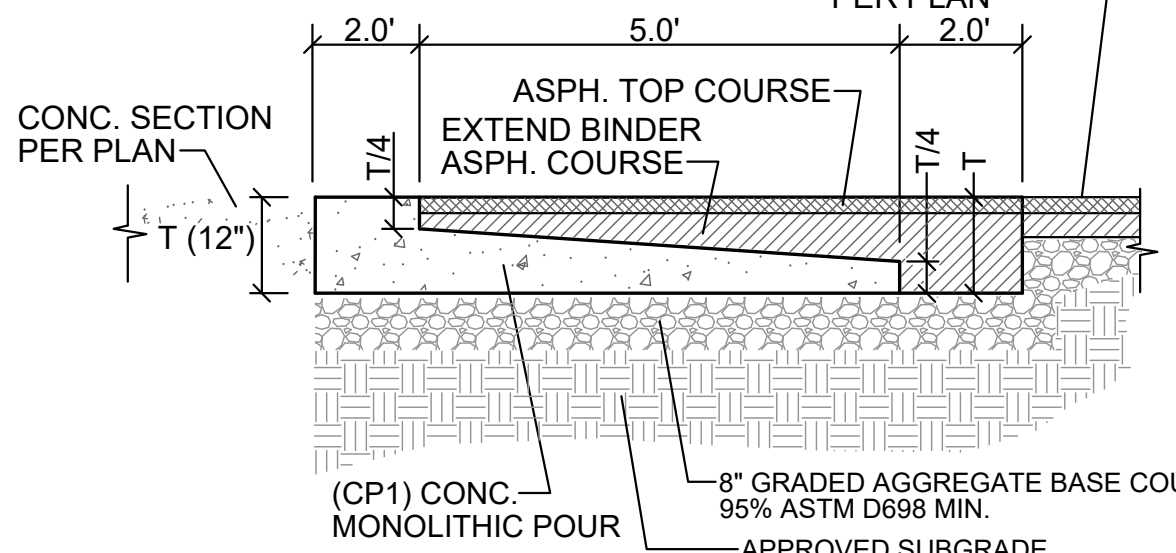


**CLASS "C" SHAPED BOTTOM**

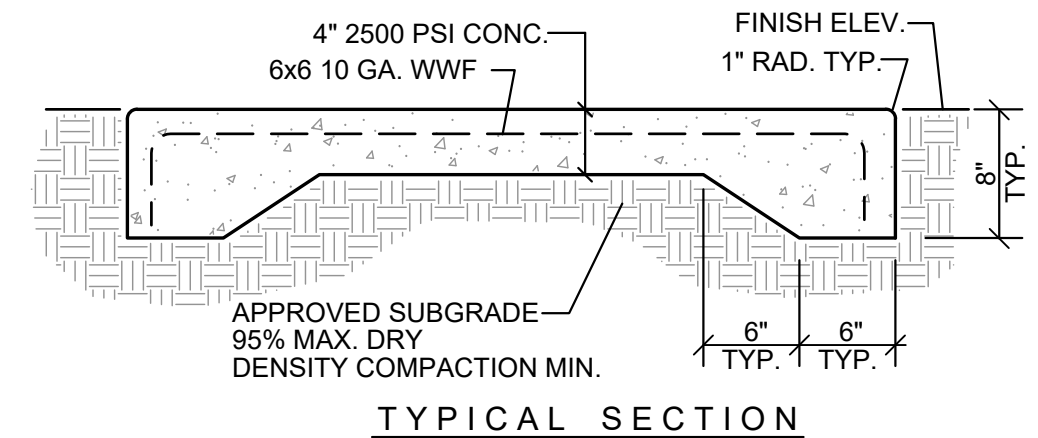
**NOTES:**

- GEOTECH ENGINEER MUST DOCUMENT AND CERTIFY ALL EARTHWORK, SUBGRADE, BACKFILL, AND MATERIALS.
- COMPLY WITH ALL MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS FOR BEDDING.
- ALL PIPE SHALL BE INSPECTED AFTER BEDDING IS ONE-HALF PIPE DIAMETER THICKNESS AND PRIOR TO BACKFILL OVER PIPE. COORDINATE WITH OWNER'S REPRESENTATIVE, DOCUMENT WITH DIGITAL IMAGES.
- DETAILS SHOWN ARE BASED ON SUITABLE SUBGRADE, WET, SPONGY OR SOFT SOILS, OR OTHER DEFECTS IN SUBGRADE SOIL. WILL REQUIRE SPECIFIC DESIGN ON INDIVIDUAL BASIS. CONTRACTOR IS RESPONSIBLE FOR SUITABILITY OF SOILS SELECTED FOR ALL FILL MATERIAL.
- PIPE GAUGES AND STRUCTURAL SPECIFICATIONS SHALL CONFORM TO GEORGIA D.O.T. STANDARDS FOR PIPE CULVERTS 1030D AND MANUFACTURER SPECIFICATIONS.
- BLOCKING WILL NOT BE PERMITTED.
- ALL JOINTS, GASKETS, AND HARDWARE SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS FOR MATERIALS AND CONSTRUCTION AND PROVIDE PERMANENT WATER TIGHT SEALS.
- DO NOT PLACE PIPE ON INCOMPRESSIBLE MATERIAL OR ROCK. EXCAVATE TO MINIMUM DEPTHS SHOWN.

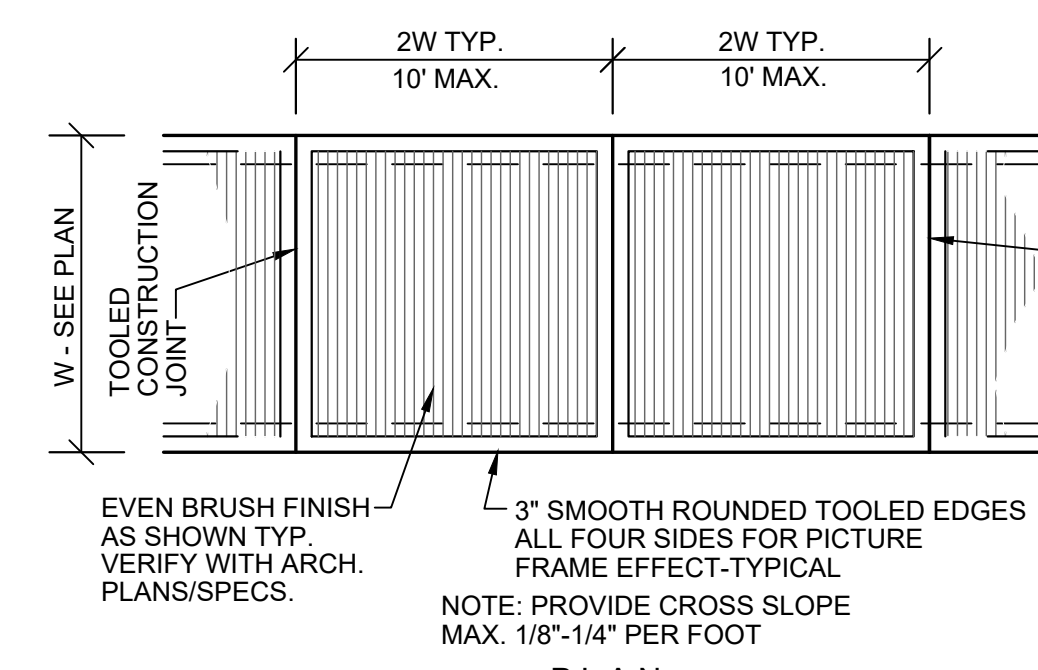
**PIPE BEDDING DETAILS**



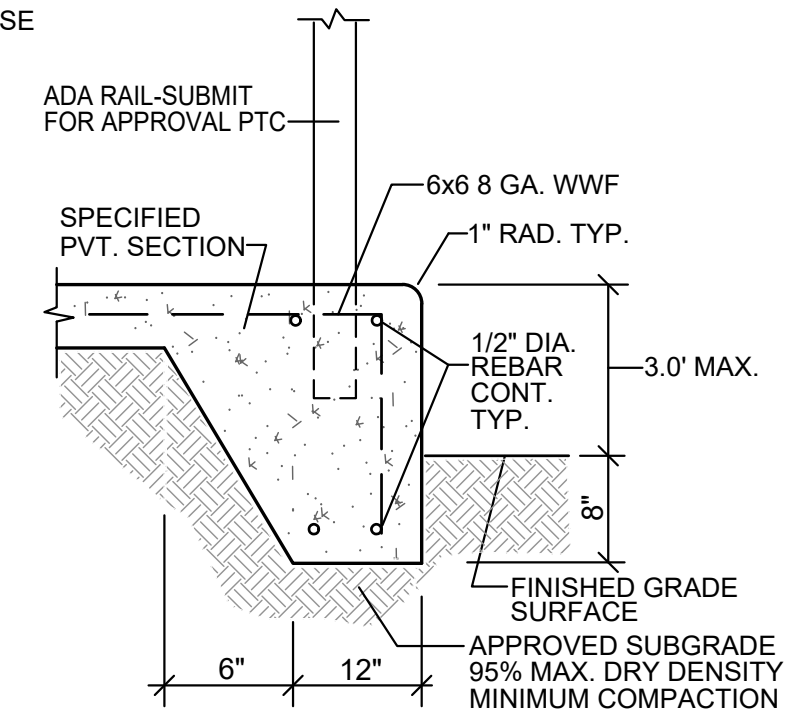
**(CAS) CONCRETE TO ASPHALT TAPER**



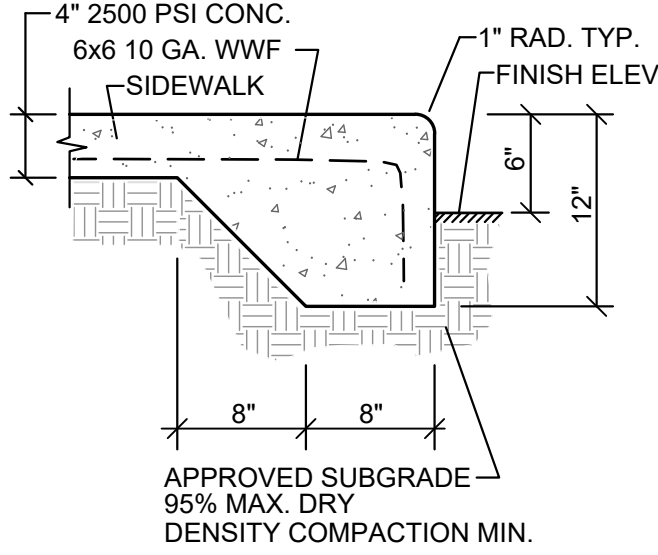
**TYPICAL SECTION**



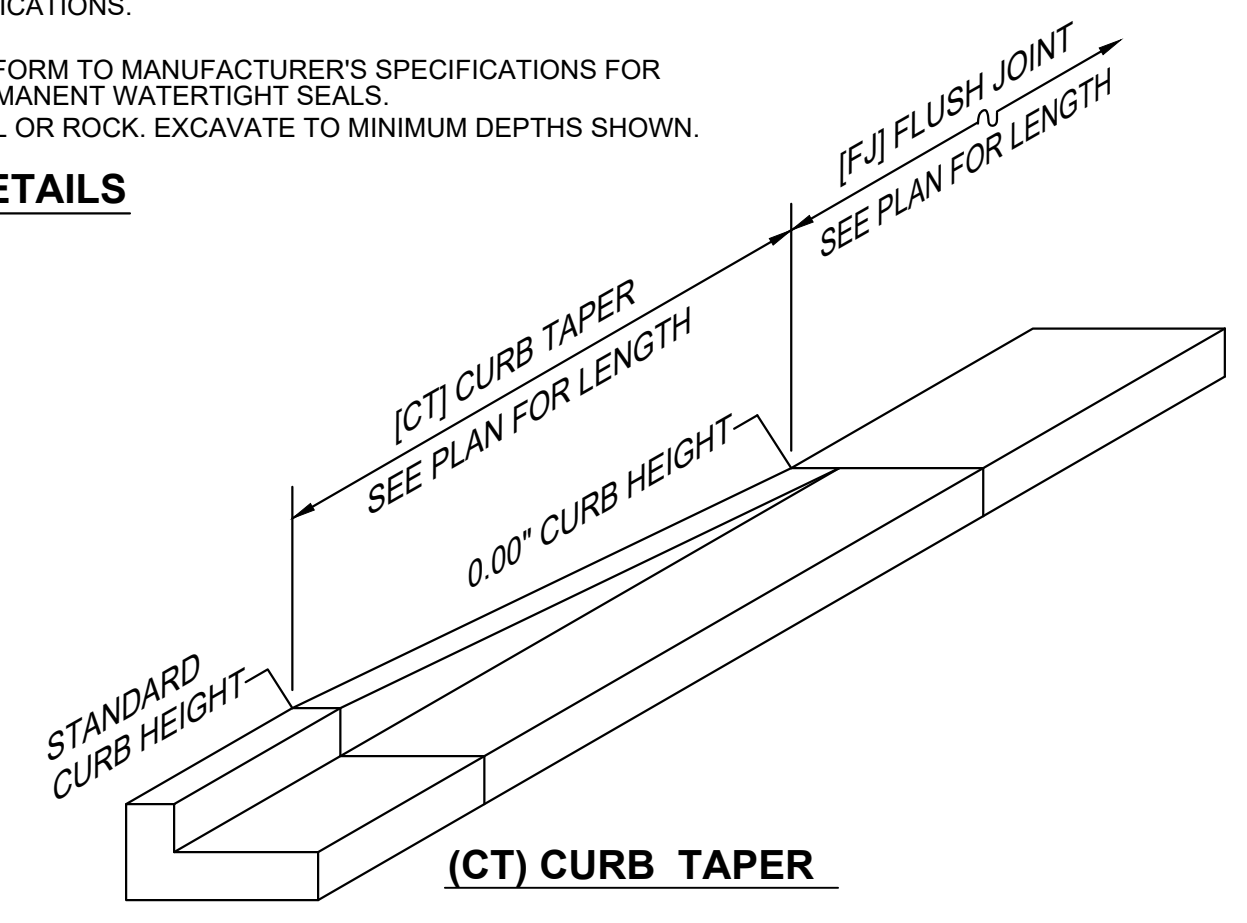
**(SW) SIDEWALK DETAILS**



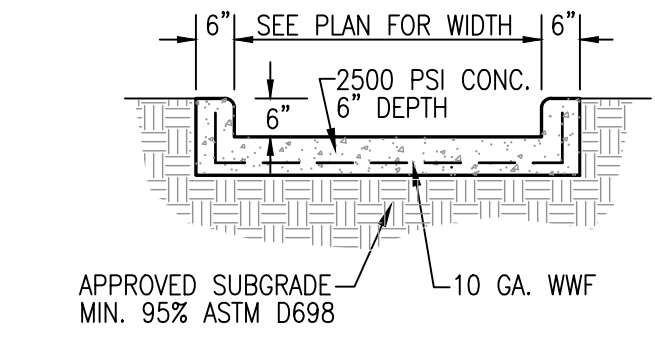
**(SD) SIDEWALK DROP**



**(SC) SIDEWALK CURB (WHERE SPECIFIED ONLY)**



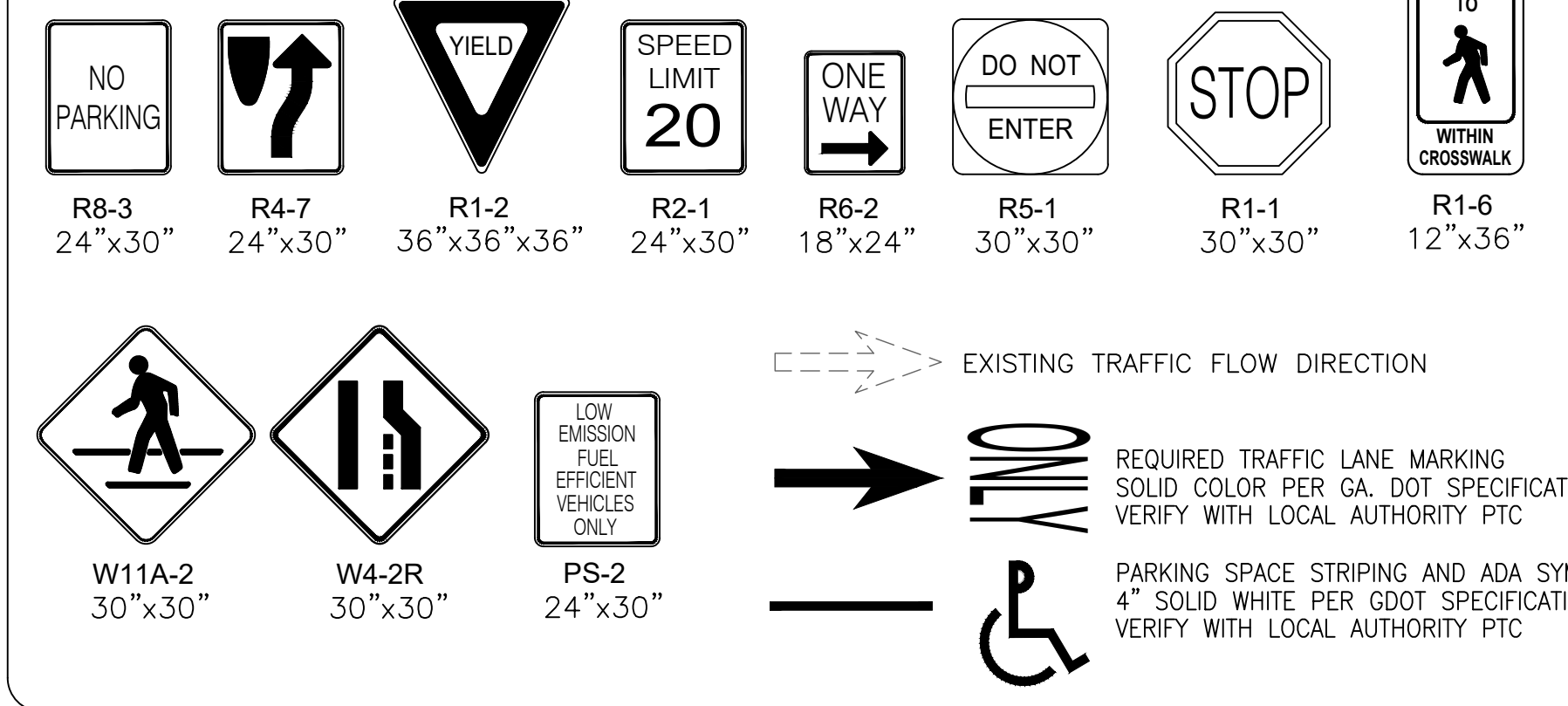
**(CT) CURB TAPER**



**(FL) CONCRETE FLUME DETAILS**

**(TM) SIGN AND PAVEMENT TRAFFIC MARKING LEGEND**

- ALL MATERIALS, COLORS, AND CONSTRUCTION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS, SECTION 636, AND RELATED SECTIONS.
- ALL PAVEMENT MARKINGS, MARKERS, ARROWS, PAINT, MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
- ALL TRAFFIC LANE MARKINGS, MATERIAL, AND CONSTRUCTION SHALL CONFORM TO THE CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.

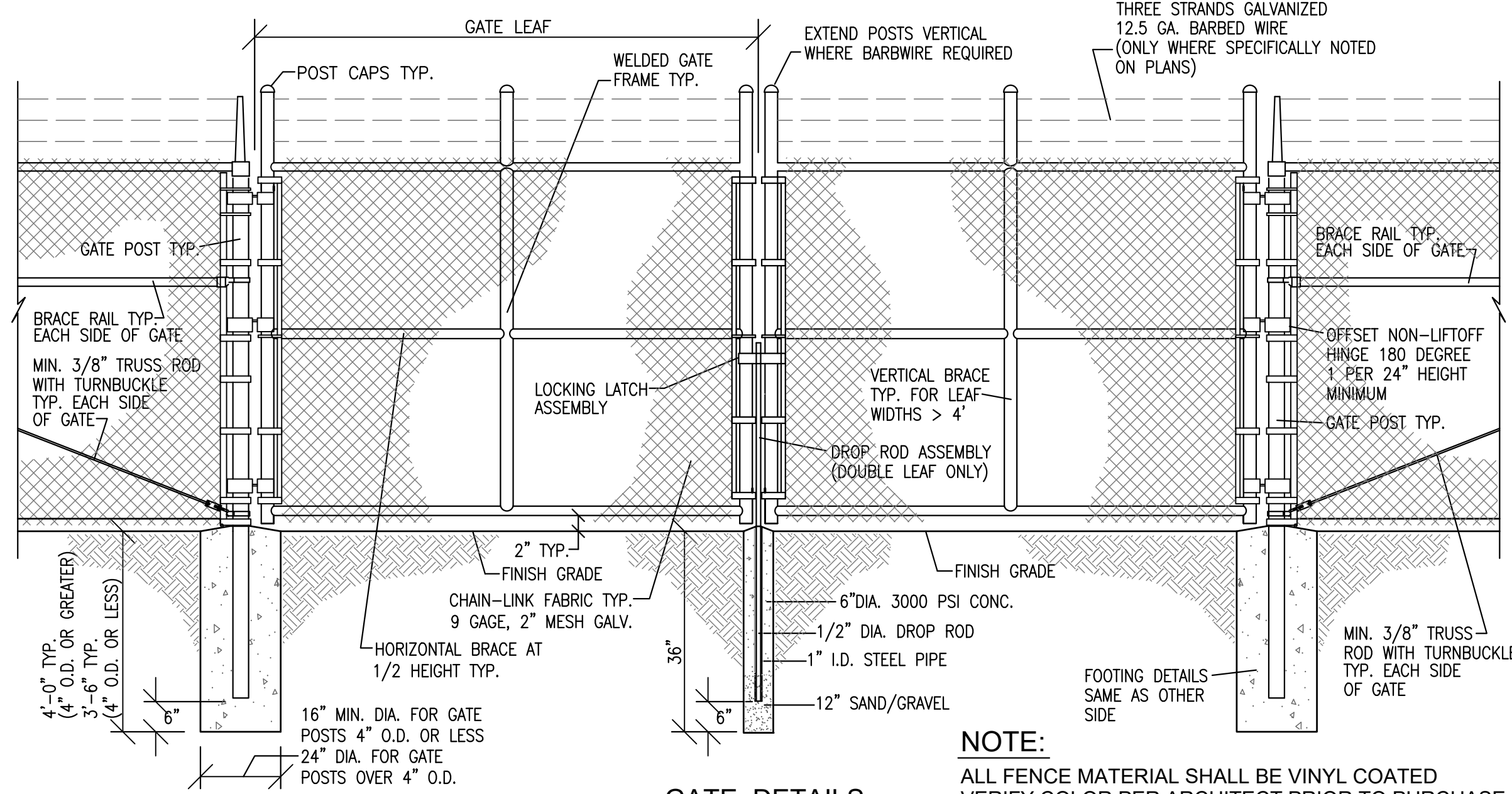


855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

CIVIL ENGINEERING  
SITE DEVELOPMENT  
2000 DEK ROAD STE 700 #318 • MARIETTA, GA 30067 • PH: 770-433-6190  
2017 EAST CHEROKEE DRIVE WOODSTOCK, GA 30188  
ISSUE DATE: 02-06-24  
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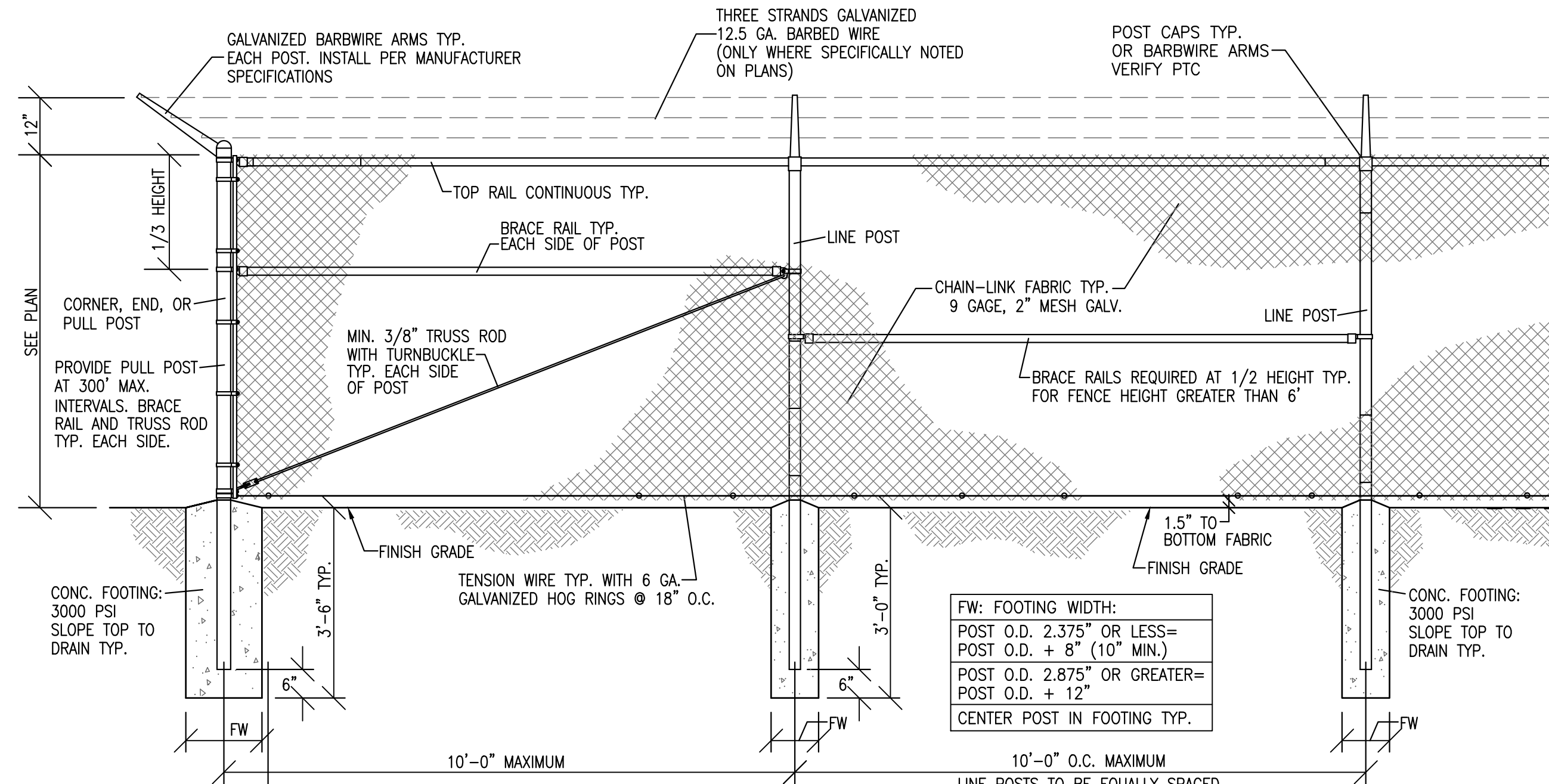
ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS





**GATE DETAILS**

**NOTE:**  
ALL FENCE MATERIAL SHALL BE VINYL COATED  
VERIFY COLOR PER ARCHITECT PRIOR TO PURCHASE.

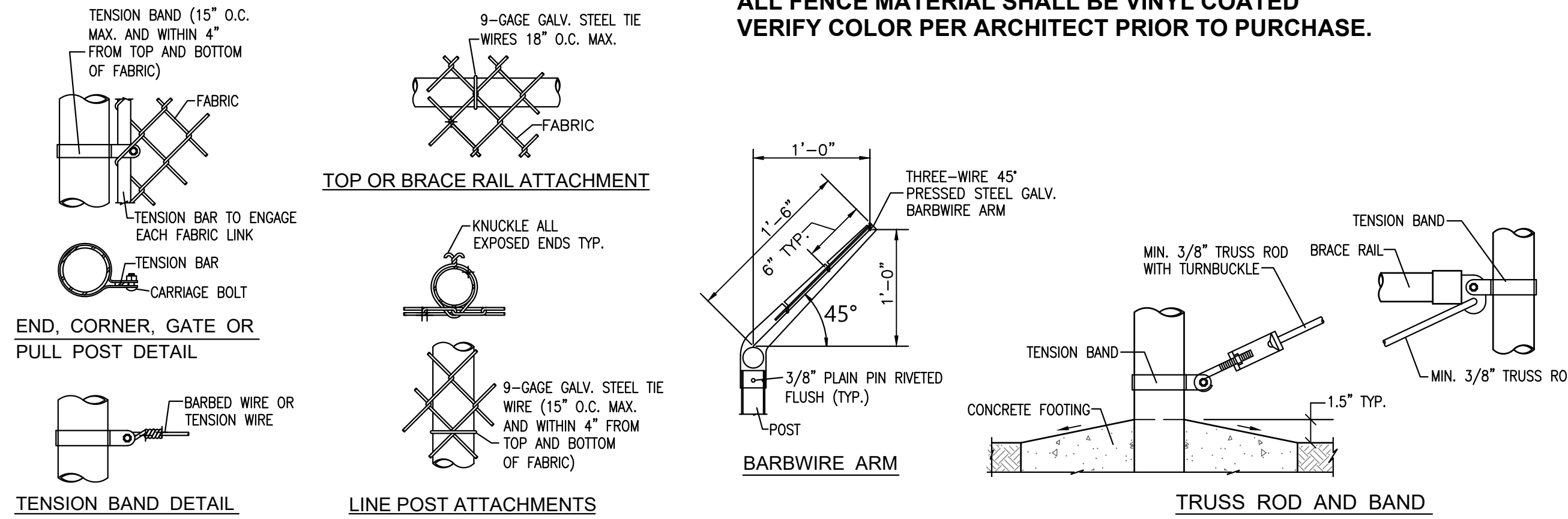


**FENCE DETAILS**

**NOTE:**  
ALL FENCE MATERIAL SHALL BE VINYL COATED  
VERIFY COLOR PER ARCHITECT PRIOR TO PURCHASE.

POST & RAIL SCHEDULE			
TYPE	FENCE HEIGHT 6' OR LESS	FENCE HEIGHT 6' TO 8'	FENCE HEIGHT OVER 8'
CORNER, END, TERMINAL & PULL POST	2.875" O.D.	2.875" O.D.	4.00" O.D.
LINE POST	1.90" O.D.	2.375" O.D.	2.875" O.D.
TOP, BOTTOM & BRACE RAIL	1.66" O.D.	1.66" O.D.	1.66" O.D.

GATE POST SCHEDULE	
GATE LEAF WIDTH	POST
6' OR LESS	2.875" O.D.
6' TO 12'	4.00" O.D.
12' TO 18'	6.625" O.D.



**(CF) CHAIN-LINK FENCE DETAIL**

**TABLE 1**

FITTING SIZE	MINIMUM CUBIC YARDS CONCRETE ANCHOR BLOCK			
	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND
4	2.0	1.3	1.0	1.0
6	3.5	2.2	1.3	1.0
8	5.6	3.2	1.9	1.3
10	8.0	5.1	2.6	1.6
12	10.8	5.9	3.0	1.5
14	14.4	7.8	4.1	2.0
16	18.8	10.1	5.1	2.6
18	23.4	12.8	6.5	3.3
20	29.0	15.6	8.0	4.1
24	41.1	22.2	11.4	5.7

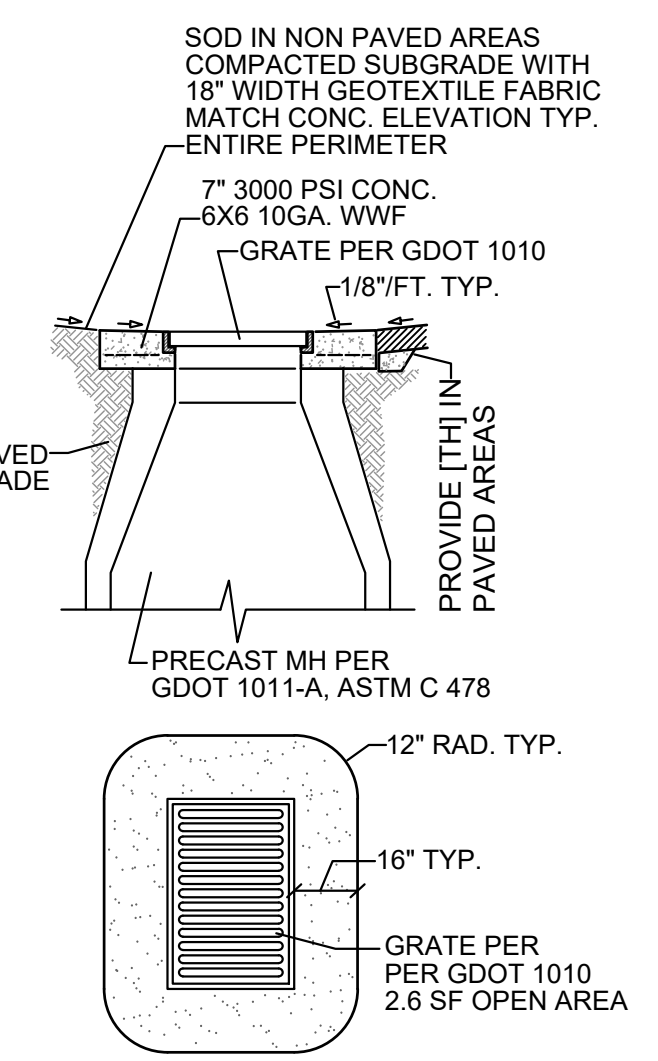
**TABLE 2**

FITTING SIZE	MINIMUM NUMBER & SIZE STEEL RE-BAR REQUIRED			
	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND
4	2-#5	2-#5	2-#5	2-#5
6	2-#5	2-#5	2-#5	2-#5
8	2-#5	2-#5	2-#5	2-#5
10	3-#5	2-#5	2-#5	2-#5
12	4-#5	2-#5	2-#5	2-#5
14	4-#6	3-#5	2-#5	2-#5
16	4-#7	4-#5	2-#5	2-#5
18	4-#7	3-#6	3-#5	2-#5
20	4-#8	4-#6	3-#5	2-#5
24	6-#8	4-#7	2-#7	2-#5

EPOXY COATED RE-BARS OVER FITTING AND EMBEDDED 18-INCHES IN CONCRETE AS SHOWN. SEE TABLE 2 FOR NUMBER AND SIZE OF RE-BAR REQUIRED.

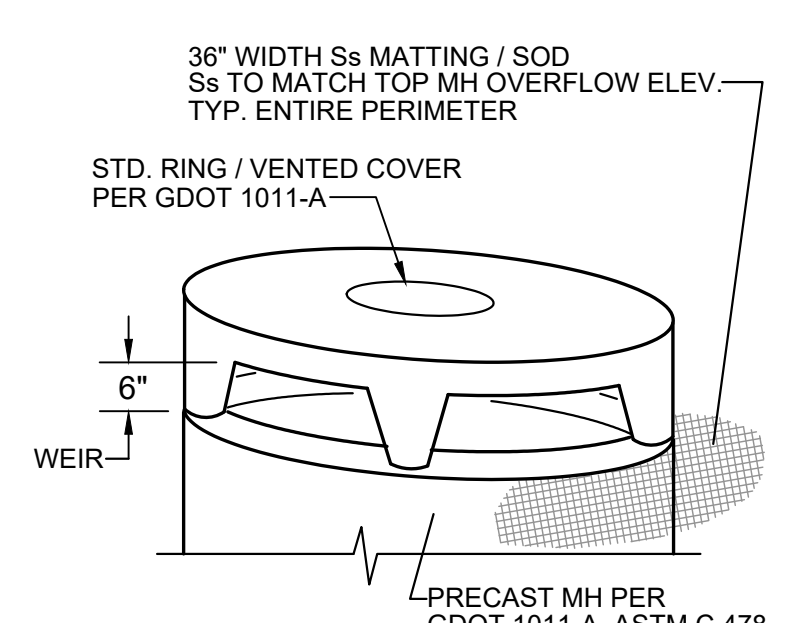
- NOTES:**
- THE VOLUMES SHOWN IN TABLE 1 ARE BASED ON TEST PRESSURES OF 200 PSI AND THE WEIGHT OF CONCRETE = 4050 LBS./CU.YD. TO COMPUTE VOLUME FOR DIFFERENT TEST PRESSURES, USE THE FOLLOWING EQUATION: VOLUME = (TEST PRESSURE/150) X (TABLE VALUE)
  - THE NUMBER AND SIZE OF RE-BAR REQUIRED SHOWN IN TABLE 2 ARE BASED UPON GRADE 40 RE-BAR WITH A TENSILE STRENGTH OF 20,000 PSI AND A FS-1.5.
  - ALTERNATE JOINT RESTRAINT METHODS SUCH AS MEGA-LUG, ETC., MAY BE ACCEPTED BY WRITTEN APPROVAL OF THE ENGINEER.
  - CONCRETE BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
  - ALL CONCRETE TO BE 3000 PSI MINIMUM.
  - INSTALL ISOLATION MATERIAL BETWEEN PIPE AND/OR FITTINGS BEFORE POURING CONCRETE BLOCKING.
  - FOR SOFT OR UNSUITABLE SOILS, CONSULT ENGINEER FOR THRUST BLOCK DESIGN
  - KEEP CONCRETE CLEAR OF JOINT AND JOINT ACCESSORIES.

**VERTICAL THRUST BLOCK DETAIL**



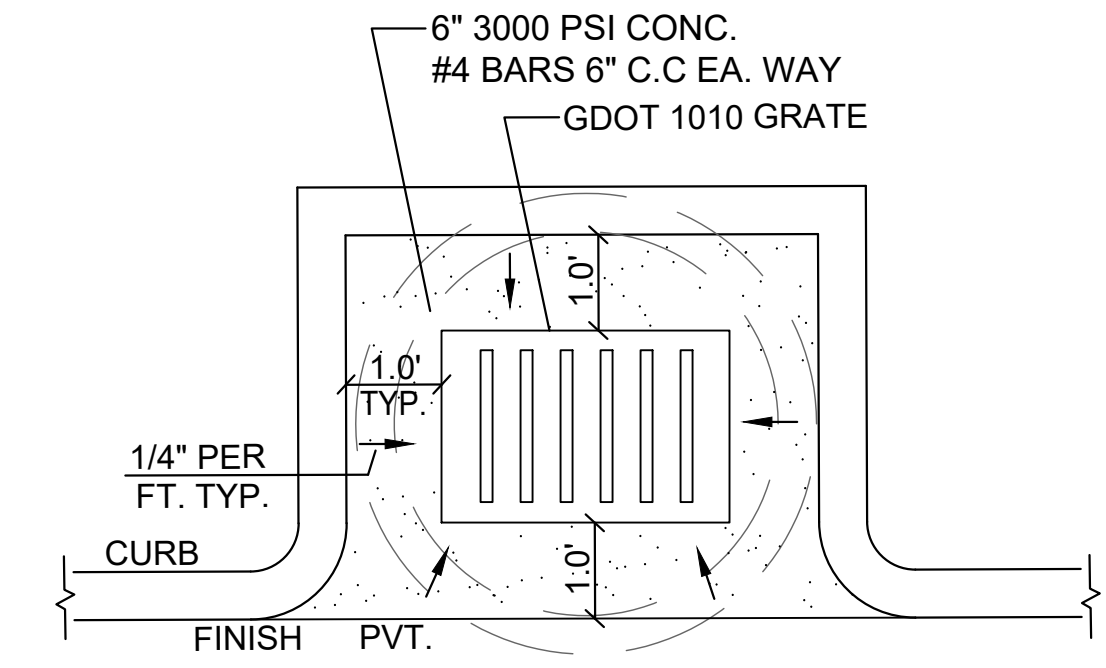
**NOTES:**  
1. SHALL CONFORM TO GDOT STANDARDS, SPECIFICATIONS AND DETAILS

**(D2) DROP INLET DETAIL**



**NOTES:**  
1. SHALL CONFORM TO GDOT STANDARDS, SPECIFICATIONS AND DETAILS  
2. PEDASTAL DESIGN PER MANUFACTURER.

**(D1) DROP INLET DETAIL**



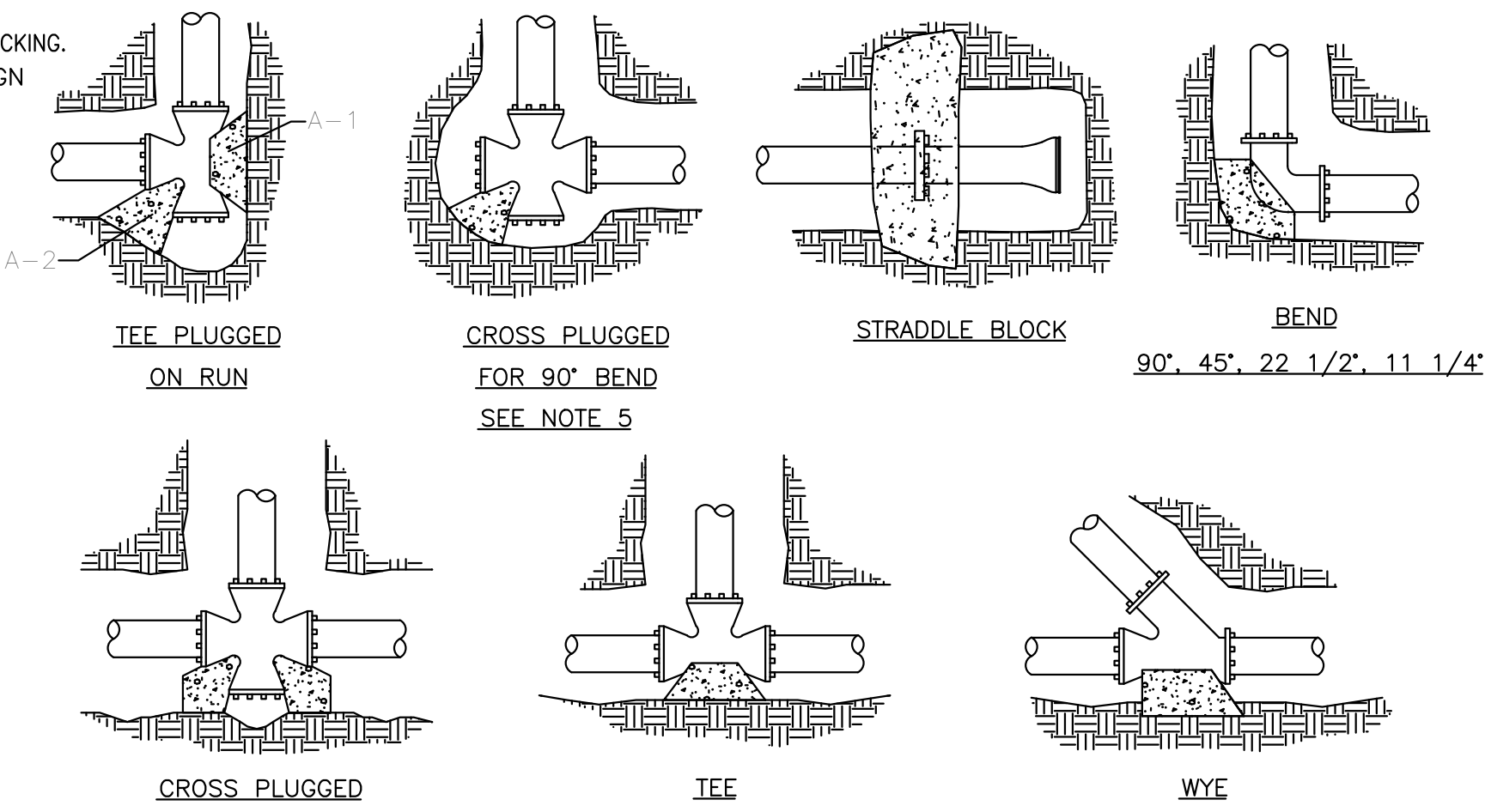
**NOTES:**  
1. SHALL CONFORM TO GDOT STANDARDS, SPECIFICATIONS AND DETAILS

**(D3) OFFSET GRATE INLET**

**HORIZONTAL MINIMUM BEARING AREA OF THRUST BLOCKS IN SQUARE FEET**

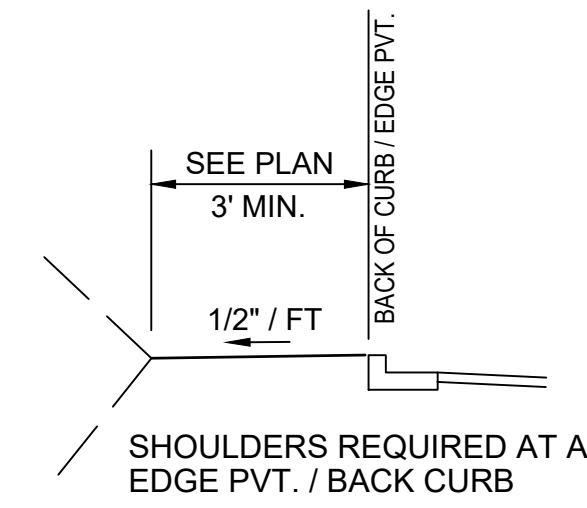
FITTING SIZE INCHES	TEE, WYE, PLUGGED CROSS	STRADDLE BLOCK	90° BEND PLUGGED CROSS	TEE PLUGGED ON RUN		45° BEND	22-1/2° BEND	11-1/4° BEND
				A-1	A-2			
4	2.0	3.0	3.5	3.5	2.8	2.5	2.0	1.5
6	4.0	6.0	6.0	7.0	5.0	3.0	2.0	1.5
8	6.0	10.0	10.2	12.0	8.5	5.0	3.0	2.0
10	8.9	15.3	15.5	17.7	12.6	6.9	3.6	1.8
12	12.8	22.1	21.8	25.5	18.0	9.9	5.1	3.1
14	17.3	32.0	29.3	34.5	24.5	13.4	6.9	3.5
16	22.5	39.2	37.5	45.0	32.5	20.6	10.5	5.3
18	28.5	51.0	47.6	57.0	40.5	25.8	13.2	6.6
20	35.3	61.2	58.5	70.5	50.0	32.2	16.2	7.1
24	51.0	88.2	73.5	102.0	72.0	39.3	20.4	10.2

- NOTES:**
- ABOVE BEARING AREAS BASED ON TEST PRESSURE OF 200 PSI AND AN ALLOWABLE SOIL BEARING STRESS OF 2000 POUNDS PER SQUARE FOOT. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, USE THE FOLLOWING EQUATION:  
BEARING AREA = (TEST PRESSURE / 150) X (2000 / SOIL BEARING STRESS) X (TABLE VALUE)
  - ABOVE VOLUMES BASED ON TEST PRESSURE OF 150 PSI AND THE WEIGHT OF CONCRETE=4050 POUNDS PER CUBIC YARD. TO COMPUTE FOR DIFFERENT TEST PRESSURES, USE THE FOLLOWING EQUATION:  
VOLUME = (TEST PRESSURE / 150) X (TABLE VALUE)



- NOTES:**
- CONCRETE BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
  - ALL CONCRETE TO BE 3000 PSI MINIMUM.
  - INSTALL ISOLATION MATERIAL BETWEEN PIPE AND/OR FITTINGS BEFORE POURING CONCRETE BLOCKING.
  - CONCRETE SHALL BE KEPT CLEAR OF ALL JOINTS AND ACCESSORIES.
  - MAY NOT WORK OUT FOR ALL FITTING SIZES - CONFIRM USE OF THIS BLOCKING CONFIGURATION WITH ENGINEER.
  - FOR SOFT OR UNSUITABLE SOILS, CONSULT ENGINEER FOR THRUST BLOCK DESIGN

**(TB) THRUST BLOCK DETAIL**



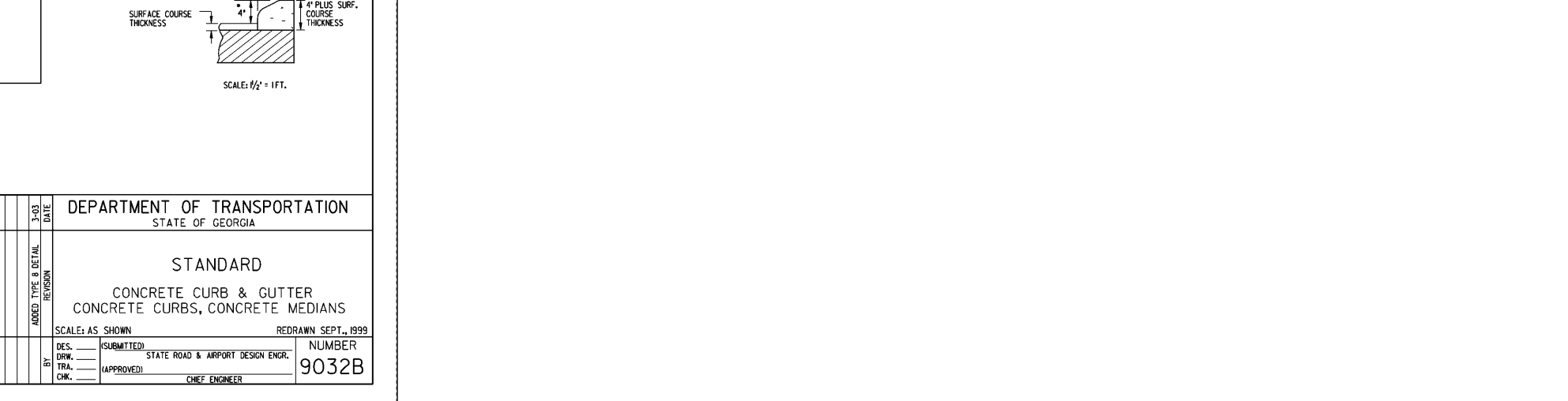
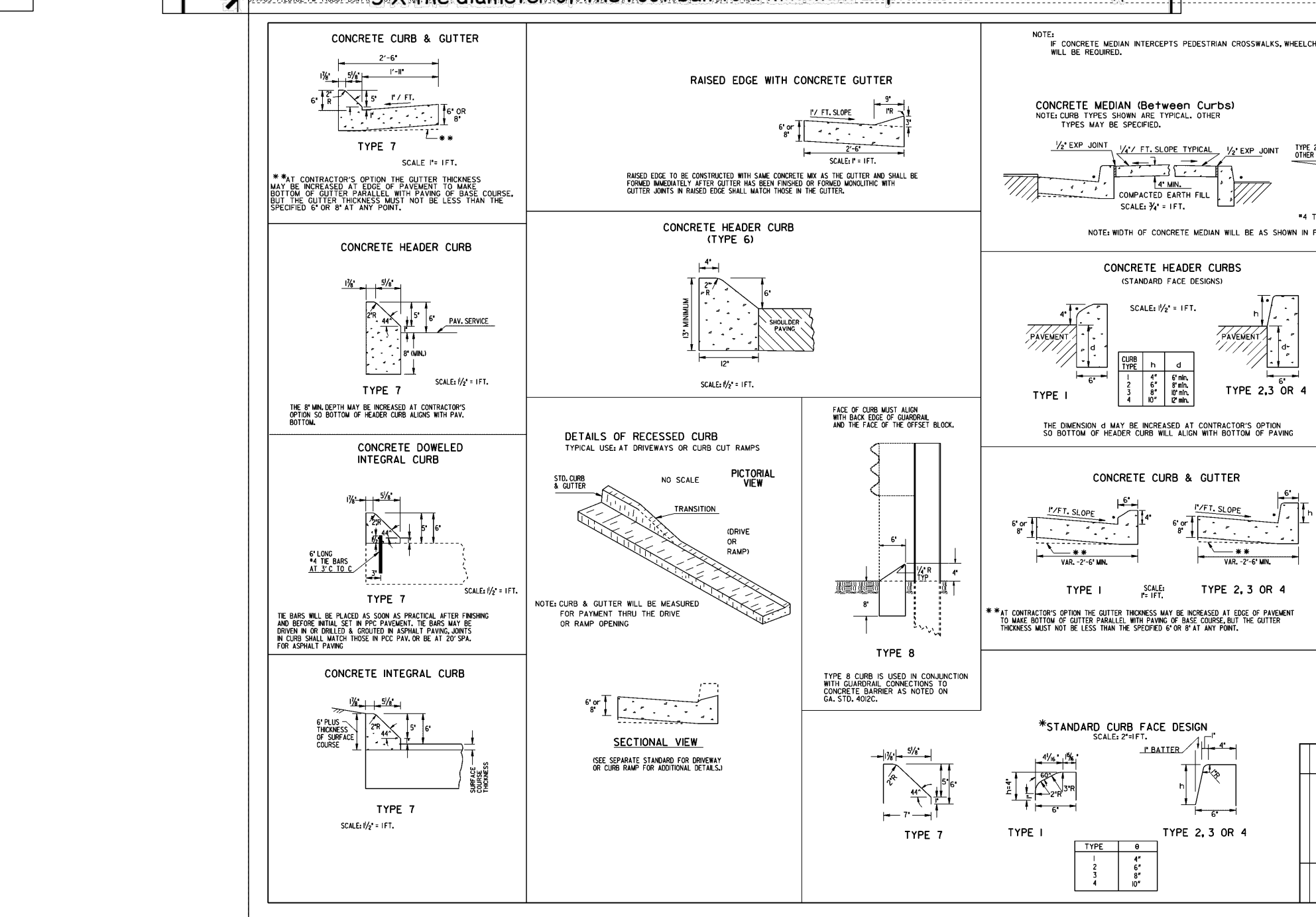
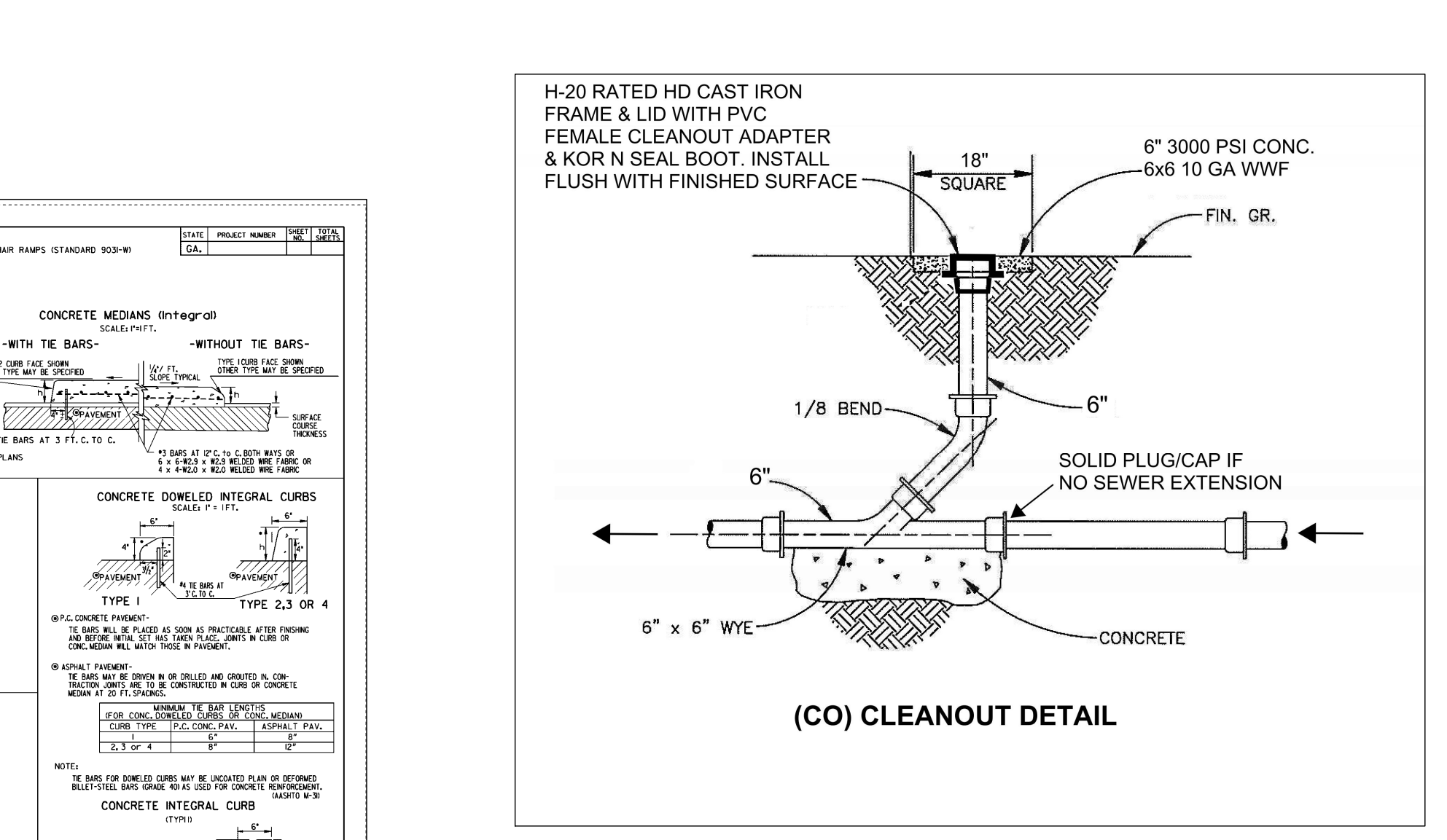
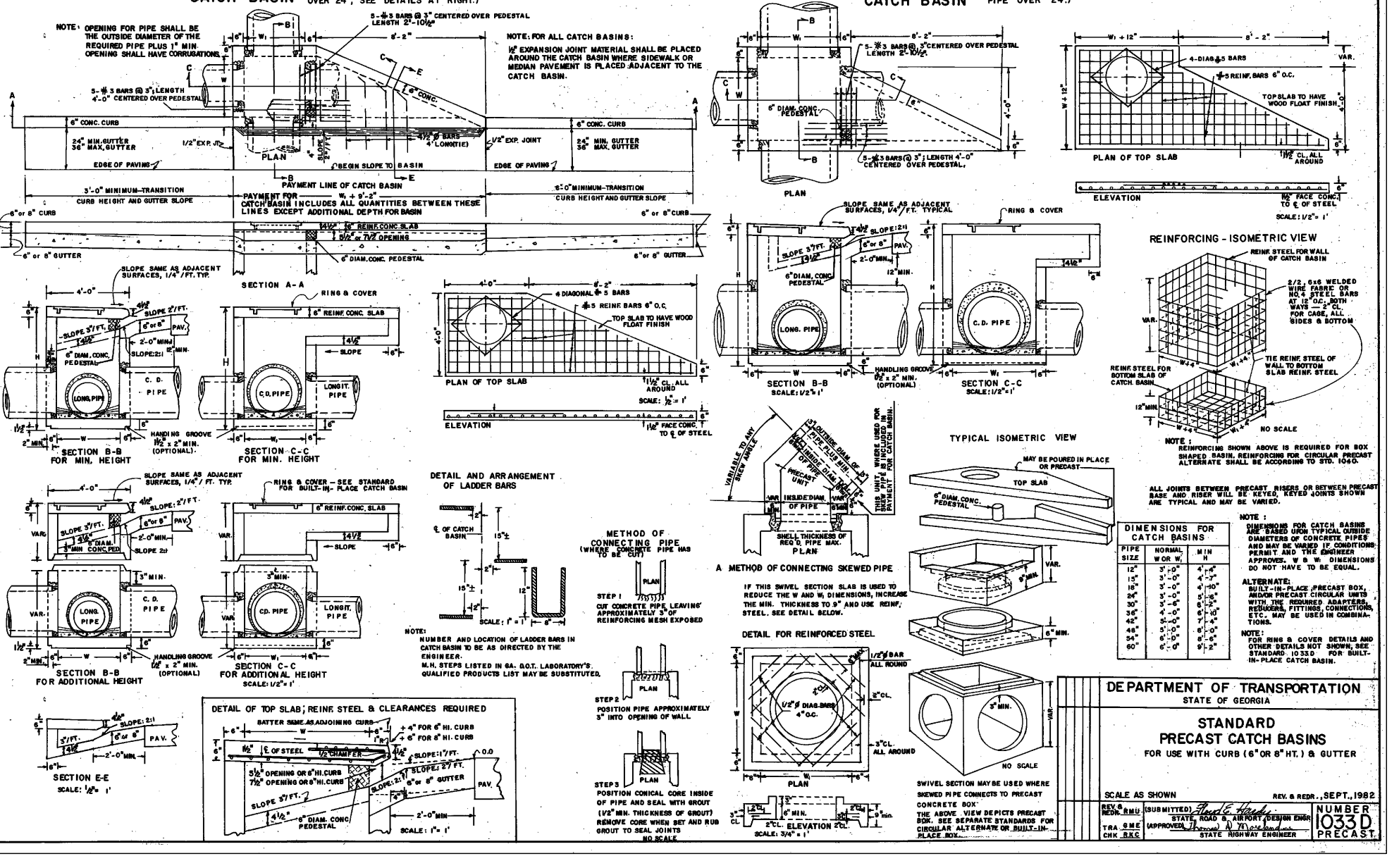
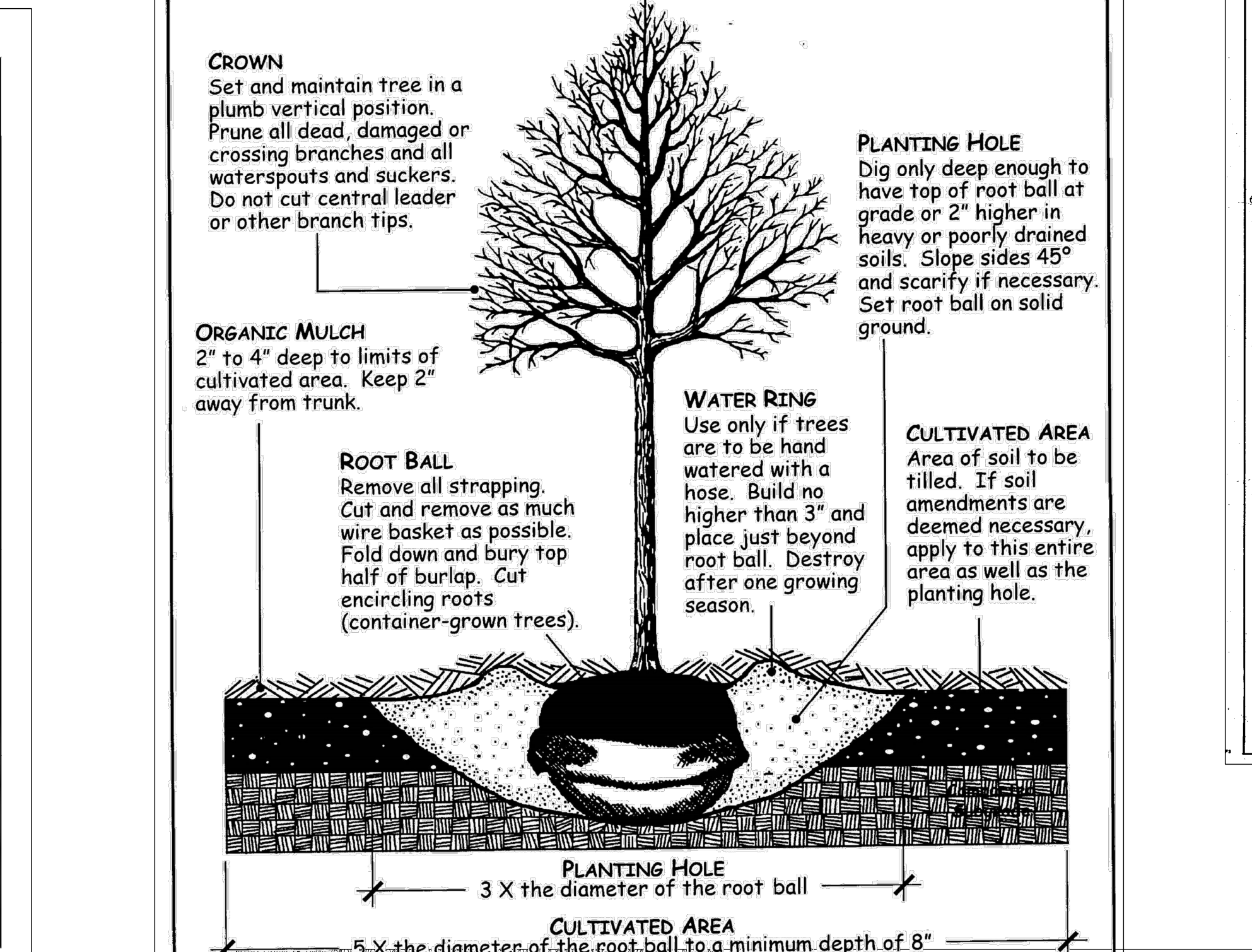
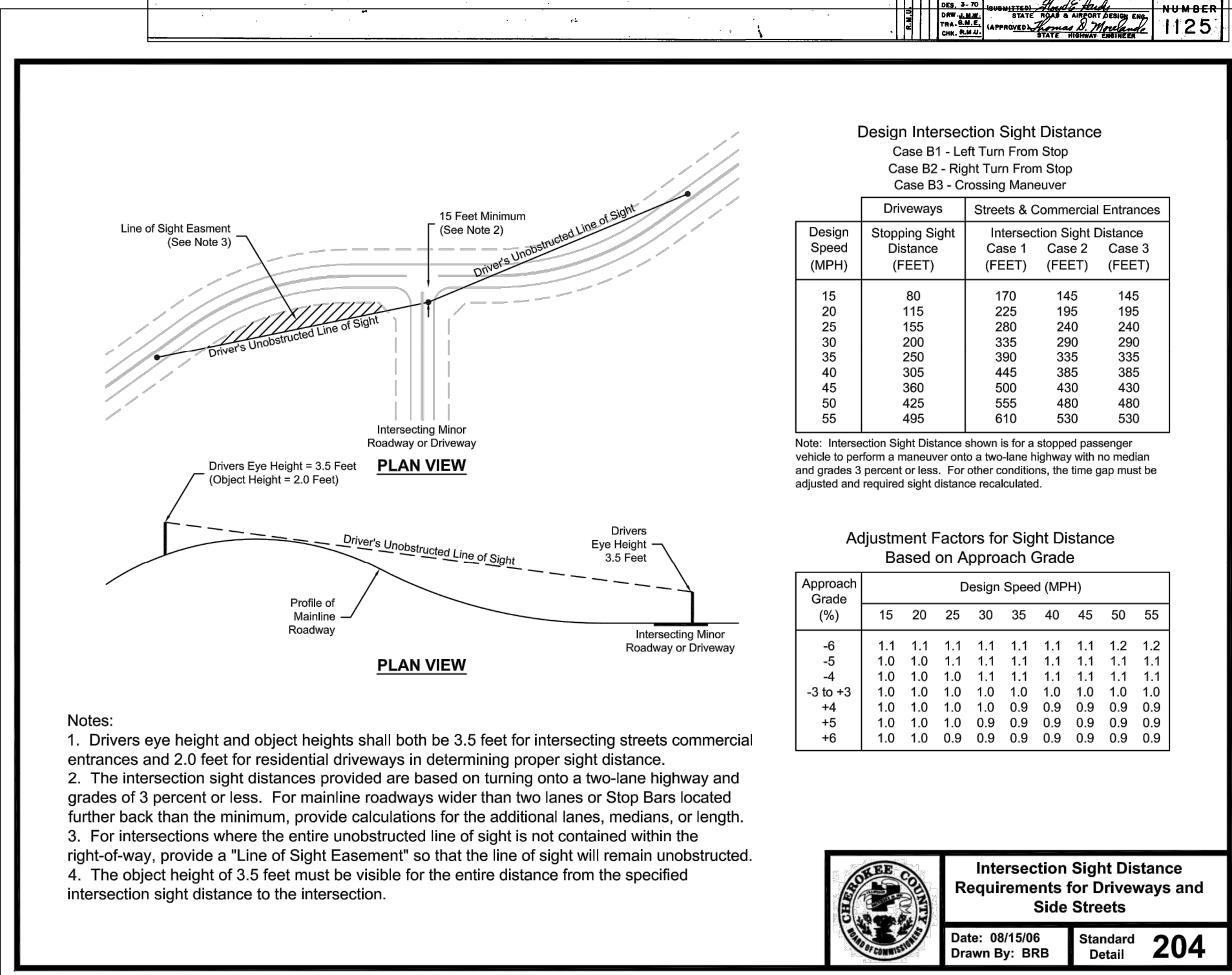
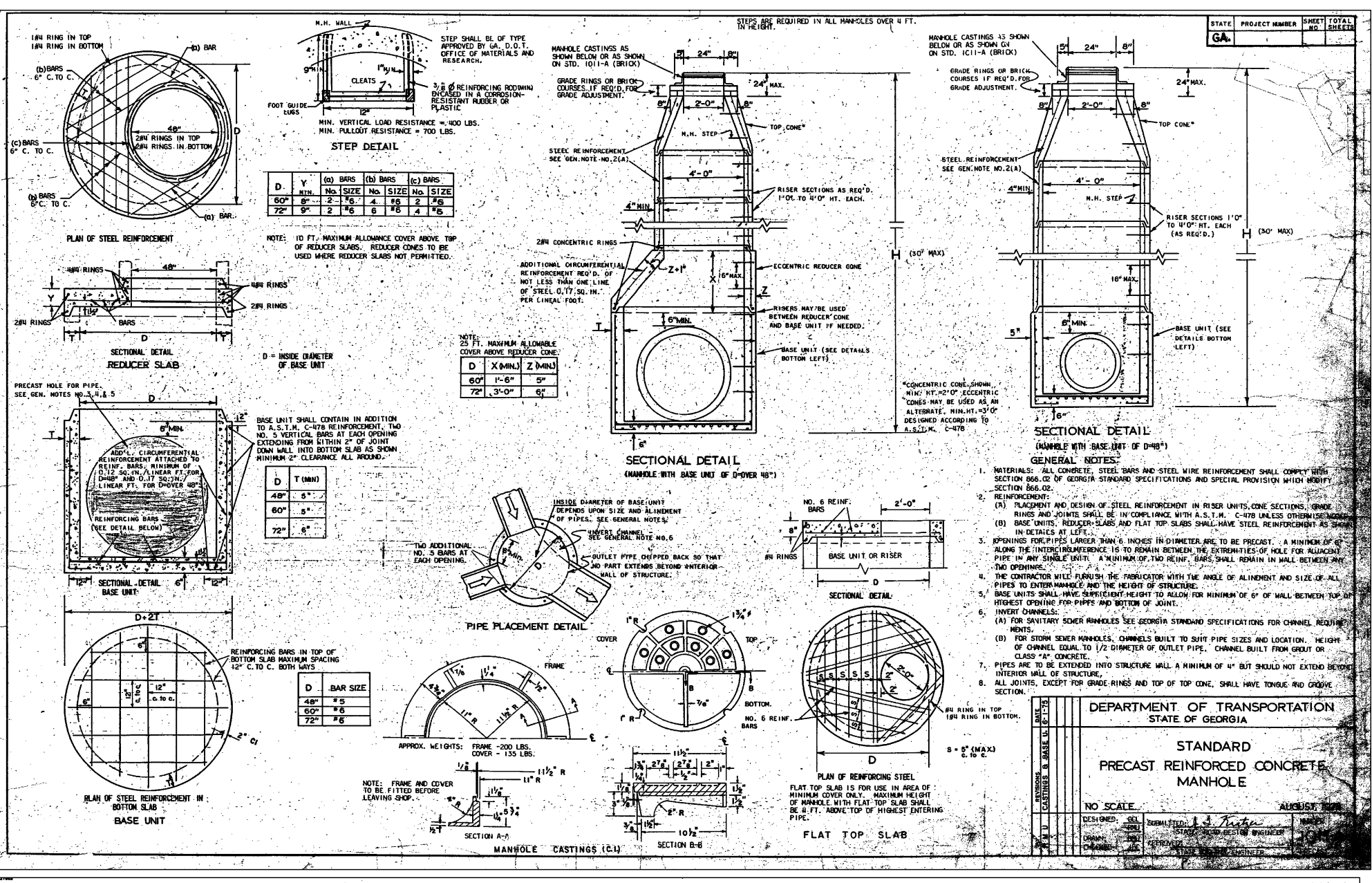
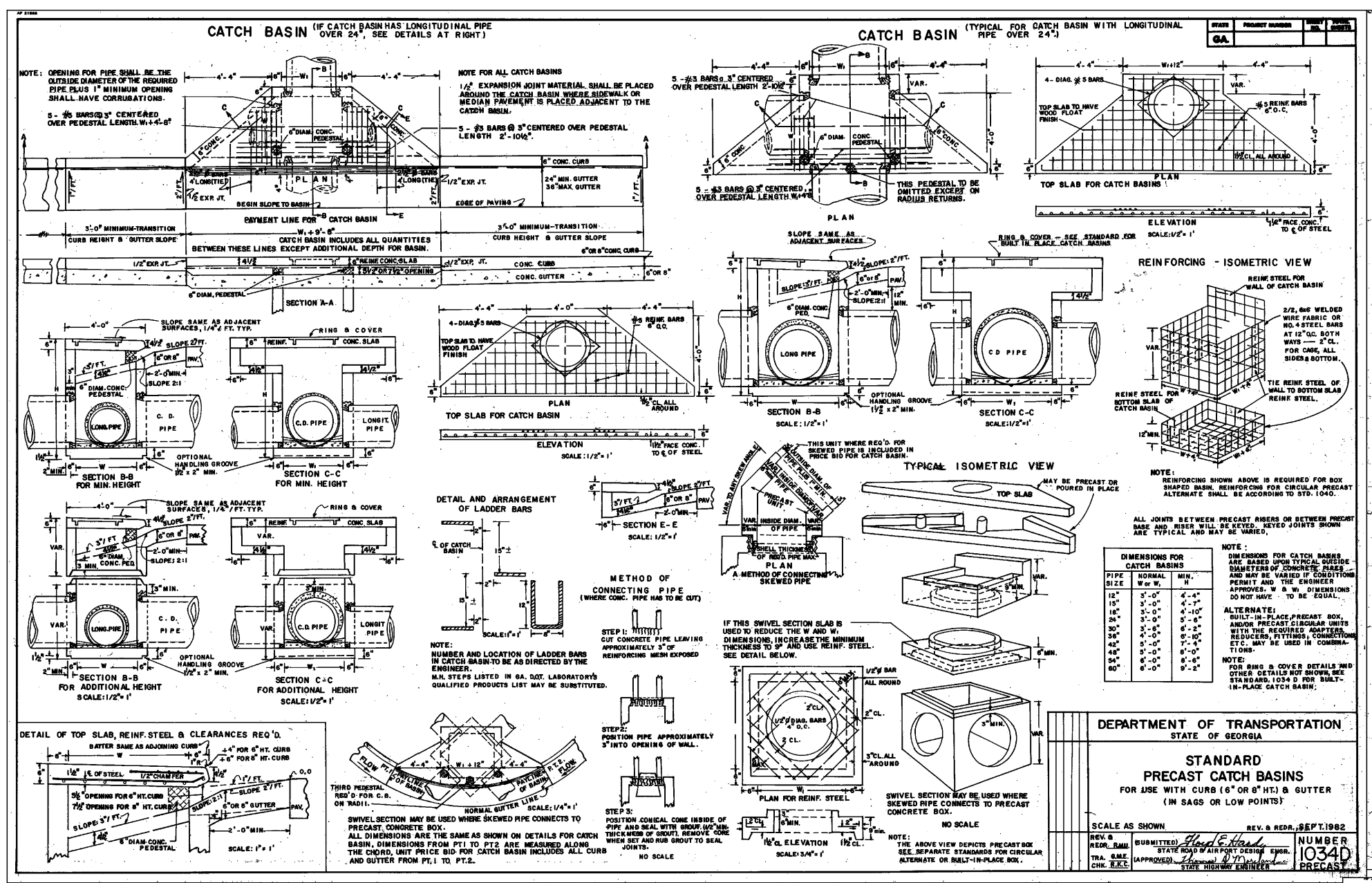
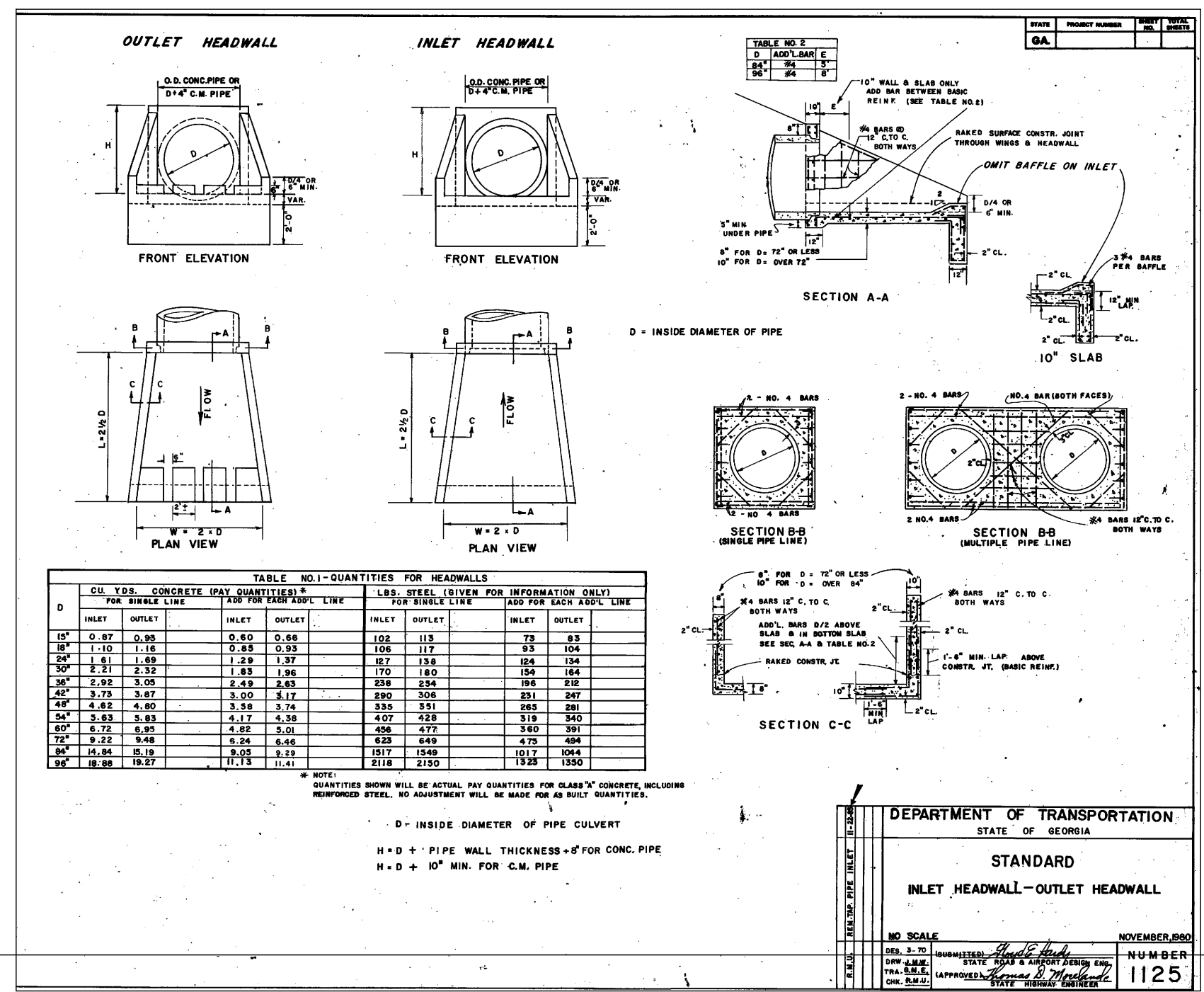
**(SH) TYPICAL SHOULDER SECTION NON RIGHT-OF-WAY ONLY**

PROJECT NUMBER 23-017  
DATE 09/25/23  
REVISIONS NO. DATE  
FACILITY CODE  
**KRH ARCHITECTS INCORPORATED**  
855 ABUTMENT ROAD SUITE FOUR DALTON, GA 30721 TEL. 706.529.5895  
CIVIL ENGINEERING SITE DEVELOPMENT  
2000 DELA ROAD STE 700 #318 • MARIETTA, GA 30067 • PH: 770-433-6190  
2017 EAST CHEROKEE DRIVE WOODSTOCK, GA 30188  
ISSUE DATE: 02-06-24  
JOB No. 22280 | SCALE: 1" = 30'

ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS

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CONSTRUCTION DETAILS  
SHEET INDEX  
**C7.1**



PROJECT NUMBER  
23-017

DATE  
09/25/23

REVISIONS  
NO. DATE

FACILITY CODE

**KRH ARCHITECTS**  
INCORPORATED

855 ABUTSON ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

**PWR ENGINEERS**  
CIVIL ENGINEERING  
SITE DEVELOPMENT

2900 DELAWARE DRIVE  
WOODSTOCK, GA 30188

2017 EAST CHEROKEE DRIVE  
WOODSTOCK, GA 30188

ISSUE DATE: 02-06-24  
JOB NO. 22280  
SCALE: 1" = 30'

ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS

**GEORGIA REGISTERED PROFESSIONAL ENGINEER**  
No. 22558  
PRESTON W. HOBBS

GSWCC LEVEL II - 0000006868

SHEET INDEX

CONSTRUCTION DETAILS

SHEET INDEX

C7.2

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**Cherokee County Water & Sewerage Authority**

P.O. Box 5000 Canton, Georgia 30114  
Phone: (770) 479-1813

**New Project Requirements & Maintenance Bond Notification (2018)**

This is a list of some of the requirements that need to be met before obtaining water and/or sewer service in Cherokee County.

- A pre-construction meeting with water and/or sewer contractor and C.C.W.S.A inspector before work begins. (770) 479-9107
- Contractor must have approved plans stamped by C.C.W.S.A before water or sewer work begins.
- There are certain fees, depending on type of project, which must be paid to C.C.W.S.A. before getting service. Some of which are:

**Plan Review Fees:**

Water \$600.00  
Sewer \$850.00  
Combined Water & Sewer \$1200.00  
Lift Station \$10,000.00

Easement Fee \$200.00 (required per parcel for all offsite easements)

Water Flow Test \$400.00

(Fees must be paid before flow test can be ordered or plan review meeting scheduled)

**(FEES ARE SUBJECT TO CHANGE)**

Water Meter Deposit - If meter is larger than 2" meter must have a by-pass. Contact: Special Projects Coordinator (770) 479-1813 All fees paid before tapping.

Sewer Tap Fee - Contact: Special Projects Coordinator (770) 479-1813 All fees paid before tapping.

Back-Flow Device - When testable device is required we also must have test results by approved tester before setting of meter. Contact: Back-Flow Coordinator (770) 479-9107

As-Builts - Four (4) sets of As-Built Plans & Electronic Data (On State Plane Coordinates) must be submitted to G.I.S. Department for all projects. Contact: Plan Review Coordinator (770) 479-1813

Maintenance Bond Notification - The owner/developer of this project understands there shall be a maintenance bond or letter of credit posted for this project. The bond shall be for a period of twelve (12) months from the date of acceptance by the Cherokee County Water & Sewerage Authority. The As-Builts will "NOT" be signed and released, nor will a Clean Out Inspection or a Clean Out approval be issued until maintenance bond or letter of credit has been posted.

All sanitary sewer manholes in streets shall be required to be @ 95% compaction under the first foot of top grade. Compaction tests shall be at all 4' lifts on 2 sides of each manhole within a 2' diameter of the manhole. Test results shall be faxed to C.C.W.S.A. Inspection Department (770) 704-0053 or emailed to the Inspector before any G.A.B. shall be placed on sub-grade.

- Any and all final tests on water and sewer, and all fees paid, before final plat can be signed or release of meters.
- Maintenance Bonds must be posted.
- Once job is released, owner/developer will be responsible for one-year warranty period.
- Project will not be released for meter sales until C.C.W.S.A. G.I.S. Department receives one copy of recorded final plat along with a PDF file.
- At end of one year a re-inspection will be done.
- If water has to be cut off, work needs to be scheduled 4 to 5 days ahead of time. Phone: (770) 479-9107
- CANNOT ENCROACH ON ANY BUFFERS, OWNER/DEVELOPER & ENGINEER WILL BE RESPONSIBLE FOR OBTAINING VARIANCES. (Must have in writing where variance was obtained)

Signature \_\_\_\_\_ Date \_\_\_\_\_

**DEVELOPER'S AGREEMENT**

This agreement entered this \_\_\_ day of \_\_\_\_\_, 20\_\_ by and between the Cherokee County Water and Sewerage Authority (herein after referred to as "CCWSA") and \_\_\_\_\_ (hereinafter referred to as "Developer").

**WITNESSETH**

Whereas, Developer wishes to extend the public waste water collection infrastructure to serve its development, and;

Whereas, CCWSA has initially determined that there exists sufficient capacity in both the existing collection infrastructure and the treatment facility for the Developer's proposed development, and;

Whereas, CCWSA authorizes the Developer to extend the public wastewater collection infrastructure consistent with CCWSA specifications at the Developers expense.

Now therefore, for the mutual covenants flowing each to the other, the parties hereto agree as follows:

1.

Upon execution hereof, Developer is authorized to acquire necessary and needful, construction and permanent easements in accordance with the CCWSA easement acquisition policy, incorporated herein by reference.

2.

Upon CCWSA approval Developer is authorized to engineer and install appropriate wastewater collection infrastructure in accordance with the CCWSA Development Specifications, in order to extend the public wastewater collection service to Developer's property.

3.

Developer shall obtain General Liability Insurance and statutorily required Workers Compensation Insurance from insurance companies authorized to transact business in the state of Georgia with an AM Best rating of "A" or better. The General Liability Insurance shall be no less than \$2 million per occurrence and shall list the CCWSA as additional insured. If required, Workers Compensation Insurance shall be statutorily required limits. The Developer shall provide certificates of applicable insurance coverage prior to taking any actions to extend the public wastewater collection service.

4.

The obligations for Developers to procure and maintain insurance shall not be construed to waive or restrict other obligations and it is understood that insurance in no

way limits liability of the Developer or limits the liability of Developer whether or not same is covered by insurance.

The Developer further understands and agrees that any damages that the Cherokee County Water and Sewerage Authority deems to be a result of said contract work, whether made directly by the Developer, developers contractor or a subcontractor thereof, is the sole responsibility of the Developer and will be repaired, replaced, or recompensed according to specifications in place at the time of discovery.

5.

The Developer agrees to protect, defend, indemnify, save and hold harmless CCWSA, its officials, directors, officers, employees, agents, and volunteers from and against any and all claims, demands, losses, costs, and expenses, and from and against all liability, awards, judgments, and decrees, of whatever nature for any and all damage to property of others and of the parties hereto, their officials, directors, officers, employees, agents, and volunteers, and of whatever nature for any and all injury or injuries (including death) to any person or persons including the officials, directors, agents, employees, and volunteers of the party herein, arising or in any way growing out of any of the acts or omissions whether of the Developer, the Developer's officials, directors, officers, employees, agents, and volunteers or of any tier of the Subcontractor, the tier's officials, officers, directors, employees, agents, and volunteers in connection with the performance of the work under this Contract.

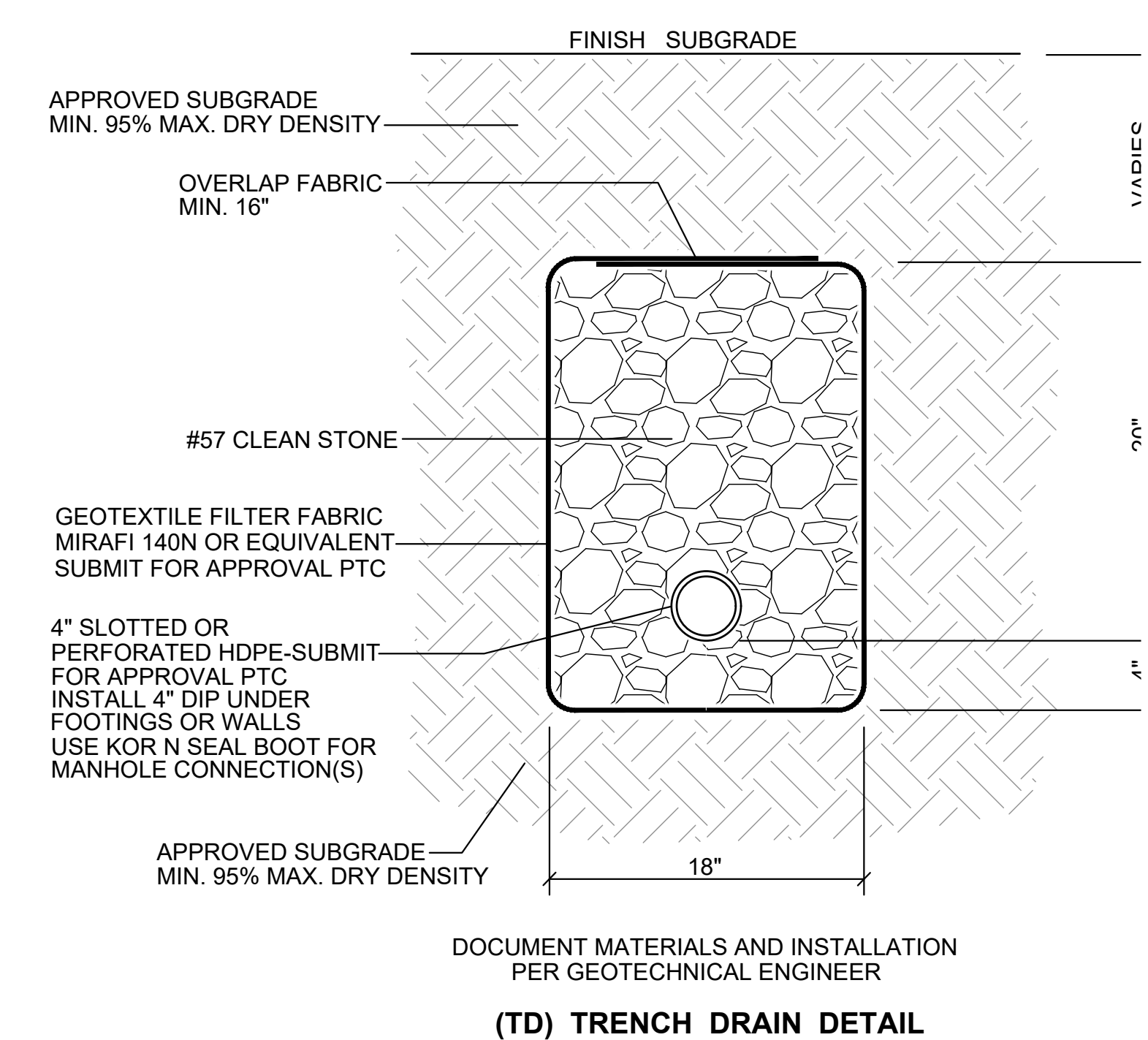
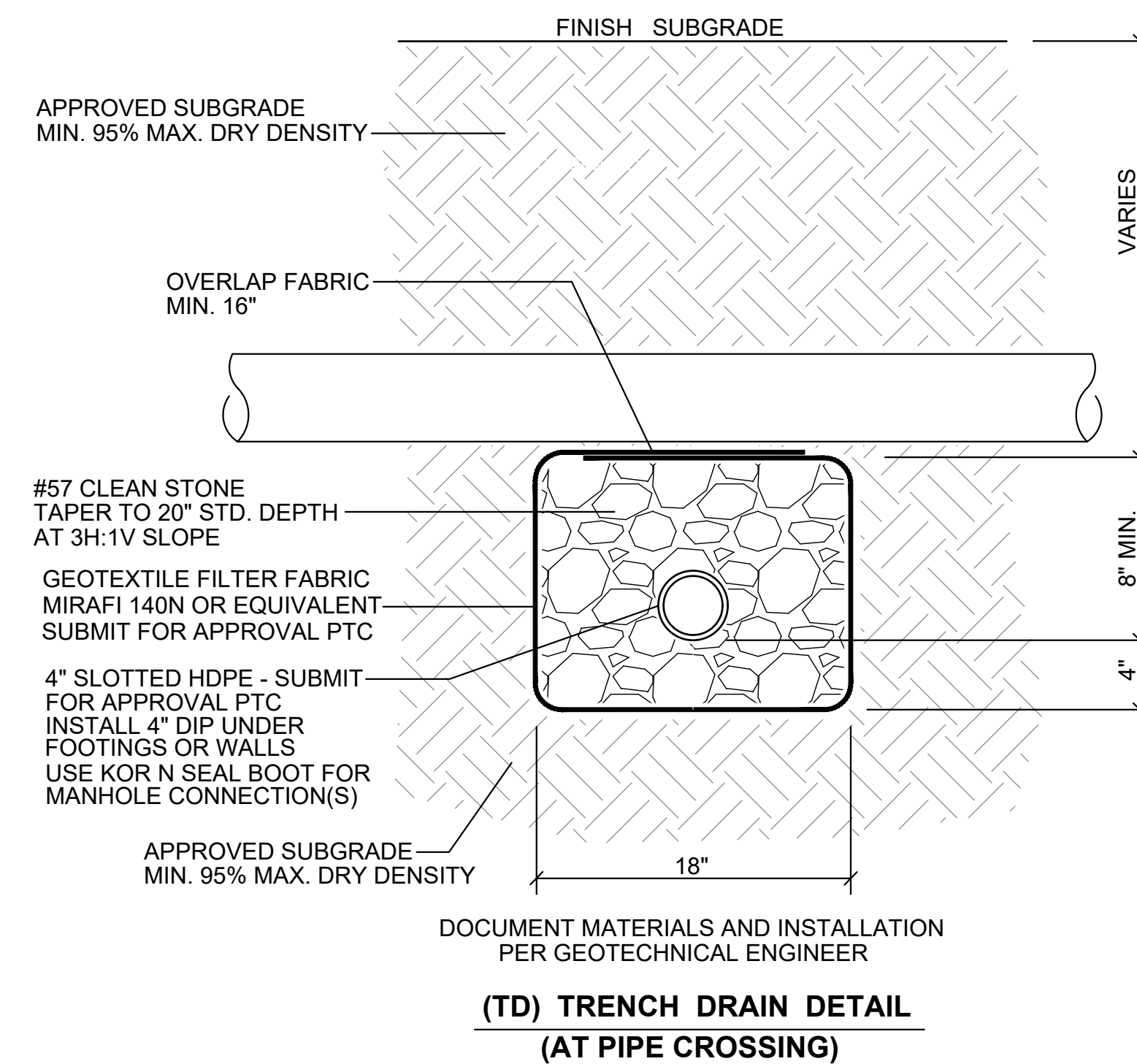
This hold-harmless agreement must be signed and submitted to the CCWSA's Risk Management Department prior to commencement of work.

Developer \_\_\_\_\_ Date \_\_\_\_\_

CCWSA Representative \_\_\_\_\_ Date \_\_\_\_\_

**(TD) TRENCH DRAIN NOTES:**

1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. GEOTECHNICAL ENGINEER SHALL DOCUMENT AND APPROVE ALL SUBGRADE, COMPACTION, BACKFILL, TRENCH DRAIN MATERIALS AND INSTALLATION FOR FULL COMPLIANCE WITH CONTRACT DOCUMENTS.
3. ALL CONNECTIONS AND FITTINGS TO PVC PIPES AND STRUCTURES SHALL BE STANDARD FITTINGS WITH STRENGTH RATING TO MATCH THE PVC SPECIFICATIONS. ALL CONNECTIONS AND FITTINGS SHALL BE PERMANENT AND WATERTIGHT .
4. SUBMIT ALL MATERIALS FOR APPROVAL PRIOR TO CONSTRUCTION (PTC).
5. ALL CONNECTIONS INTO MANHOLES OR OTHER STRUCTURES SHALL BE CORED WITH BOOTS EQUAL TO KOR-N-SEAL.
6. TAPER TRENCH DRAIN STONE AT PIPE CROSSINGS AS SHOWN, MAINTAIN MINIMUM STONE DEPTHS AT ALL CROSSINGS. DOCUMENT EACH CROSSING, CAREFULLY WRAP AND MAINTAIN FILTER FABRIC TO ENSURE PERIMETER PROTECTION FOR TRENCH DRAIN (TD) ENTIRE PERIMETER. ANY HOLES, TEARS, OR OTHER DAMAGE OR DEGRADATION OF FILTER FABRIC SHALL BE REPAIRED PER MANUFACTURERS SPECIFICATIONS TO PROVIDE FILTER FABRIC FUNCTION TO MEET FILTER FABRIC SPECIFICATIONS FOR UNDAMAGED FABRIC.
7. EXTEND STONE TO 24" FROM MANHOLES OR STRUCTURES, WRAP FILTER FABRIC AROUND END(S) OF (TD) TRENCH DRAINS STONE AT MANHOLES OR STRUCTURES. EXTEND SOLID PIPE FROM END OF STONE TO CONNECT TO MANHOLE OR STRUCTURE. PROVIDE 100% FILTER FABRIC COVERAGE FOR ALL TRENCH DRAIN STONE, OVERLAP FABRIC MIN. 16 INCHES.

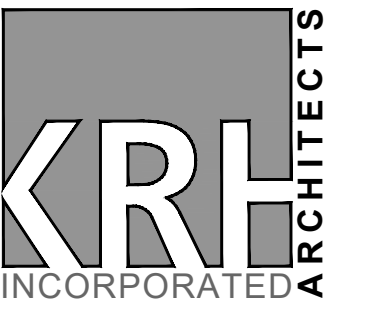


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23-017

DATE  
09/25/23

REVISIONS  
NO. DATE

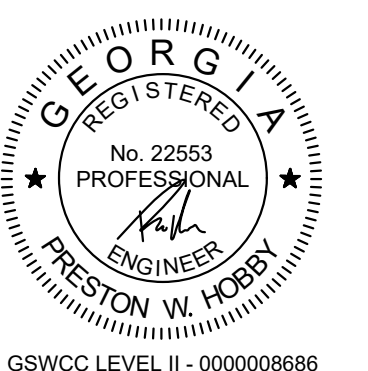
FACILITY CODE



855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

**PWR ENGINEERING**  
CIVIL ENGINEERING  
SITE DEVELOPMENT  
2000 DELA ROAD STE 700 #318 • MARIETTA, GA 30067 • PH: 770-433-6190  
2017 EAST CHEROKEE DRIVE WOODSTOCK, GA. 30188  
ISSUE DATE: 02-06-24  
JOB No. 22280 SCALE: 1" = 30'

ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS



SHEET INDEX

CONSTRUCTION  
DETAILS

SHEET INDEX

**C7.3**

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DOOR EGRESS CAPACITIES AT 2 PER PERSON:		
SIZE	CLEAR WIDTHS	NUMBER OF PEOPLE
3'-0" SINGLE	33.5"	168
3'-0" PAIR W/ MULLION	67"	335

**IDENTIFICATION OF FIRE AND SMOKE RATED WALLS:**

ALL FIRE RATED WALLS AND PARTITIONS SHALL BE PERMANENTLY IDENTIFIED ABOVE THE CEILING LINE WITH WORDING AS FOLLOWS:

"\_HR. RATED FIRE OR SMOKE BARRIER PROTECT ALL OPENINGS" SUCH IDENTIFICATION SHALL CONSIST OF 2" H. RED LETTERS PAINTED DIRECTLY ON BOTH SIDES OF THE WALL. USE RED ENAMEL PAINT AND STENCILS. SPACING SHALL BE 10'-0" O.C. MAXIMUM.

THE FOLLOWING WALLS SHALL BE SO IDENTIFIED: ALL RATED WALLS & PARTITIONS-AS INDICATED ON SHEET A0.1.

NOTE: KEY LOCK BOX IS REQUIRED PER CHEROKEE COUNTY ORDINANCE 2018-0-008, ARTICLE III - EMERGENCY ENTRANCE KEY LOCK BOX STATES THAT THE FIRE INSPECTOR WILL APPROVE THE LOCATION FOR THE BOX DURING THE 50% OR 80% INSPECTION. GENERALLY, THESE BOXES ARE LOCATED FIVE (5) FEET ABOVE GRADE AND TO THE RIGHT OF THE MAIN ENTRY DOOR. THE REQUIRED KNOX BOX MUST BE ORDERED THROUGH WWW.KNOXBOX.COM, USING CHEROKEE CO FIRE/EMS AS THE LOCAL DEPARTMENT/AGENCY. KNOX BOX SHALL BE OF A RECESSED TYPE. KNOX BOX TO BE PROVIDED BY GENERAL CONTRACTOR.

NOTE: PORTABLE FIRE EXTINGUISHERS WILL BE PROVIDED PER NFPA 101. AN INSPECTOR OF THE FIRE MARSHAL'S OFFICE PRIOR TO FINAL INSPECTION WILL DETERMINE THE LOCATION AND ARRANGEMENT OF THE EXTINGUISHERS. A MINIMUM OF FOUR EXTINGUISHERS WITH THE POSSIBILITY OF ONE EVERY SEVENTY-FIVE (75) MAY BE REQUIRED.

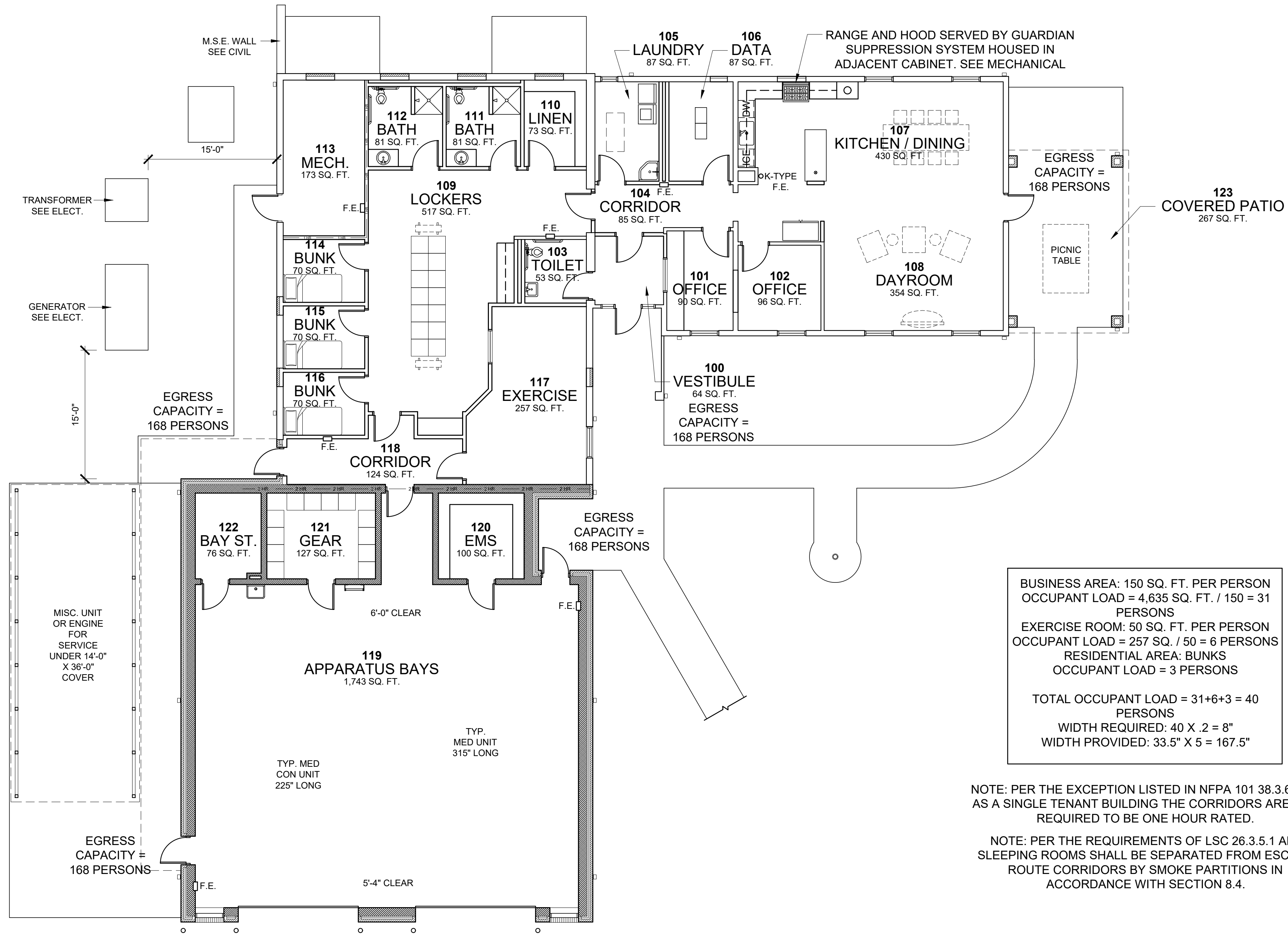
NOTE: CONTRACTOR SHALL SUBMIT FIRE ALARM PLANS TO THE FIRE MARSHAL'S OFFICE FOR REVIEW AND PERMIT. THESE PLANS MUST BE UPLOADED TO THE CITYVIEW PORTAL UNDER "APPLY FOR A BUILDING PERMIT". CONTRACTOR SHALL BE IN POSSESSION OF PERMIT PRIOR TO COMMENCEMENT OF WORK. ANY DESIGN OF THESE SYSTEMS SHOWN ON THIS SET OF CONTRACT DOCUMENTS SHALL BE FOR REFERENCE ONLY AND IS NOT PART OF THE CHEROKEE COUNTY FIRE MARSHAL'S OFFICE REVIEW.

NOTE: CONTRACTOR SHALL PROVIDE FULL DETAILS AND CUTSHEETS FOR ALL MATERIALS USED IN ALL U.L. DESIGNED ASSEMBLIES TO THE FIRE MARSHAL'S OFFICE FOR APPROVAL.

NOTE: ALL EVACUATION ROUTES ARE DESIGNED TO BE HANDICAP ACCESSIBLE.

**PLAN LEGEND**

- F.E. - FIRE EXTINGUISHER AND CABINET
- N.I.C. - NOT IN CONTRACT
- TYPICAL WINDOW
- EXISTING STUD WALL WITH NEW 5/8" GYP BOARD TO REPLACE DEMOLISHED WOOD PANELING AND TRIM.
- TWO HOUR RATED PARTITION SEALED TIGHT TO DECK PER U.L. DESIGN #U905. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.
- NEW CMU WALL AND MASONRY VENEER. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.
- NEW 5/8" GYP BD. AND 3-5/8" WOOD STUD PARTITION TO EXTEND TO BOTTOM OF EXISTING TRUSS UNLESS NOTED OTHERWISE. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.
- ONE HOUR RATED PARTITION SEALED TIGHT TO RATED CEILING PER U.L. DESIGNS #U419 AND #P521. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.



BUSINESS AREA: 150 SQ. FT. PER PERSON  
 OCCUPANT LOAD = 4,635 SQ. FT. / 150 = 31 PERSONS  
 EXERCISE ROOM: 50 SQ. FT. PER PERSON  
 OCCUPANT LOAD = 257 SQ. / 50 = 6 PERSONS  
 RESIDENTIAL AREA: BUNKS  
 OCCUPANT LOAD = 3 PERSONS  
 TOTAL OCCUPANT LOAD = 31+6+3 = 40 PERSONS  
 WIDTH REQUIRED: 40 X .2 = 8"  
 WIDTH PROVIDED: 33.5" X 5 = 167.5"

NOTE: PER THE EXCEPTION LISTED IN NFPA 101 38.3.6.1 (2) AS A SINGLE TENANT BUILDING THE CORRIDORS ARE NOT REQUIRED TO BE ONE HOUR RATED.

NOTE: PER THE REQUIREMENTS OF LSC 26.3.5.1 ALL SLEEPING ROOMS SHALL BE SEPARATED FROM ESCAPE ROUTE CORRIDORS BY SMOKE PARTITIONS IN ACCORDANCE WITH SECTION 8.4.

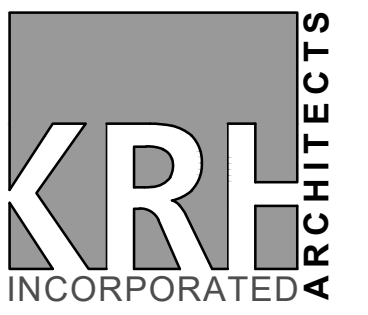
PROJECT NUMBER  
23-017

DATE  
03/13/24

REVISIONS

NO.	DATE
0000	00/00/00

FACILITY CODE  
000-0000



855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
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ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
 2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
 CHEROKEE COUNTY BOARD OF COMMISSIONERS



SHEET INDEX  
LIFE SAFETY PLAN

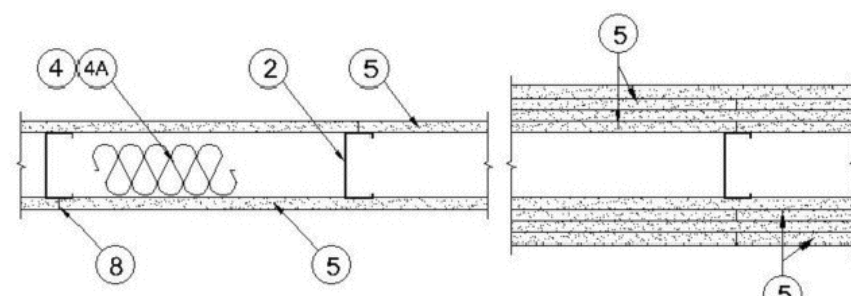
SHEET INDEX

A0.1

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Design No. U419

Nonbearing Wall Ratings -- 1, 2, 3 or 4 Hr (See Items 4 & 5)



1. Floor and Ceiling Runners -- (Not shown) -- For use with Item 2 - Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1A. Floor and Ceiling Runners\* -- Not shown - In lieu of Item 1 -- For use with Item 2A, proprietary channel shaped, min. 3-5/8 in. wide with 1 in. long legs, fabricated from min. 0.0150 in. (0.0146 in., min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC max.  
DIETRICH INDUSTRIES INC -- UltraSTEEL®.

1B. Floor and Ceiling Runners -- (Not shown - In lieu of Item 1) -- For use with Item 2A, proprietary channel shaped, min. 2-9/16 in. wide with 1-3/16 in. wide flanges, fabricated from min. 0.0150 in. galvanized steel, attached to floor and ceiling fasteners 24 in. OC max.  
DIETRICH INDUSTRIES INC -- UltraSTEEL®.

2. Steel Studs -- Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width as indicated under Item 5, min 1-1/4 in., flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.  
2A. Steel Studs\* -- In lieu of Item 2 - Proprietary channel shaped studs, min. width as indicated under Item 5, min. 1-1/4 in. long legs and 1/4 in. long folded back return flange legs, fabricated from min. 0.0155 in. (0.0149 in., min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. Allowable use of studs is shown in the table below. For direct attachment of gypsum board only.  
DIETRICH INDUSTRIES INC -- UltraSTEEL®.

2B. Steel Studs -- (As an alternate to Item 2, For use with Item 5B) Channel shaped, fabricated from min 20 MSG (0.0327 in. thick) corrosion-protected or galv steel, 3-1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

3. Wood Structural Panel Sheathing -- (Optional, For use with Item 5 Only.) -- (Not Shown) - 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DCC P51 or PS2, or APA Standard PPR-102, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in., at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field.

4. Batts and Blankets\* -- (Required as indicated under Item 5) -- Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

4A. Batts and Blankets\* -- (Optional) -- Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

5. Gypsum Board\* -- Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:  
Wallboard Protection on Each Side of Wall

Rating	Min Stud Depth (Item 2)	Min Stud Depth (Item 2A)	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	3-5/8	1 layer, 5/8 in. thick	Optional
1	2-1/2	3-5/8	1 layer, 1/2 in. thick	Optional
1	1-5/8	3-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2-1/2	2 layers, 1/2 in. thick	Optional
2	1-5/8	2-1/2	2 layers, 5/8 in. thick	Optional
2	3-1/2	3-5/8	1 layer, 3/4 in. thick	3 in.
3	1-5/8	2-1/2	3 layers, 1/2 in. thick	Optional
3	1-5/8	2-1/2	2 layers, 3/4 in. thick	Optional
3	1-5/8	2-1/2	3 layers, 5/8 in. thick	Optional
4	1-5/8	2-1/2	3 layers, 5/8 in. thick	Optional
4	1-5/8	2-1/2	4 layers, 1/2 in. thick	Optional
4	2-1/2	2-1/2	2 layers, 3/4 in. thick	Optional

CANADIAN GYPSUM COMPANY -- 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO -- 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

USG MEXICO S A DE C V -- 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, Steel Framing Members\*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in. and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. Gypsum Board\* -- (As an alternate to Item 5) -- 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6.  
CANADIAN GYPSUM COMPANY -- Type SHX.

UNITED STATES GYPSUM CO -- Type FRX-G, SHX.

USG MEXICO S A DE C V -- Type SHX.

5B. Gypsum Board\* -- (As an alternate to Item 5 when used as the base layer on one or both sides of wall, For direct attachment only, not to be used with Item 3) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.  
RAY-BAR ENGINEERING CORP -- Type RB-LBG

6. Fasteners -- (Not shown) -- For use with Item 2 - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Two layer systems: First layer: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Three-layer systems: First layer: 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer: 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer: 2-1/4 in. long for 1/2 in., 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. Four-layer systems: First layer: 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer: 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer: 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer: 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

6A. Fasteners -- (Not shown) -- For use with Item 2A - Type S or S-12 steel screws used to attach panels to studs (Item 2). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8-1/2 in. OC with additional screws 1 in. and 2-1/2 in. from edges of the board when panels are horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Two layer systems applied vertically: First layer: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer: 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer: 2-1/4 in. long for 1/2 in., 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. For all layers, an additional screw shall be placed 1-1/4 in. from each edge of the board. Four-layer systems: First layer: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer: 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer: 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer: 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. For all layers, an additional screw shall be placed 1-1/4 in. from each edge of the board.

7. Furring Channels -- (Optional, not shown, for single or double layer systems) -- Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A.

7A. Steel Framing Members (Not Shown)\* -- (Optional on one or both sides, not shown, for single or double layer systems) -- As an alternate to Item 7, furring channels and Steel Framing Members as described below:  
a. Furring Channels -- Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.  
b. Steel Framing Members\* -- Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RSIC-1 clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V clips secured to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips.  
PAC INTERNATIONAL INC -- Types RSIC-1, RSIC-V.

7B. Steel Framing Members (Optional, Not Shown)\* -- As an alternate to Item 7, furring channels and Steel Framing Members on only one side of studs as described below:  
a. Furring Channels -- Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A.  
b. Steel Framing Members\* -- Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC, and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.  
KINETICS NOISE CONTROL INC -- Type Isomax

8. Joint Tape and Compound -- Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. Sliding, Brick or Stucco -- (Optional, not shown) -- Aluminum, vinyl or steel sliding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. Caulking and Sealants\* -- (Optional, not shown) -- A bead of acoustical sealant applied around the partition perimeter for sound control.  
UNITED STATES GYPSUM CO -- Type AS

11. Lead Batten Strips -- (Not Shown, For Use With Item 5B) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

12. Lead Discs or Tabs -- (Not Shown, For Use With Item 5B) - Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".  
\*Bearing the UL Classification Mark

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Design No. P521

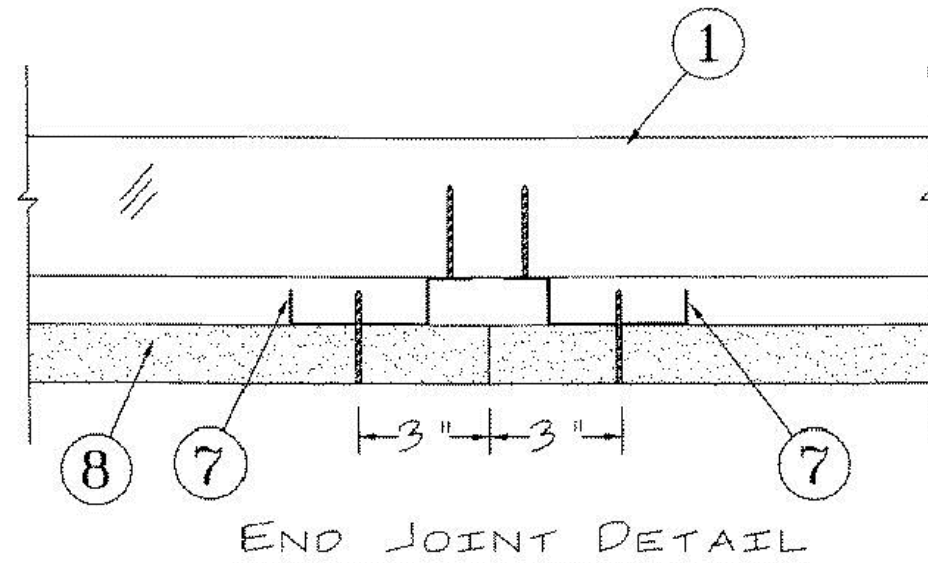
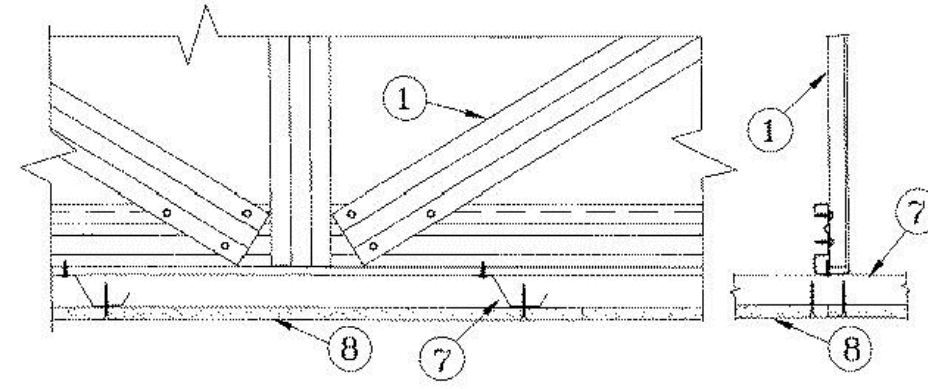
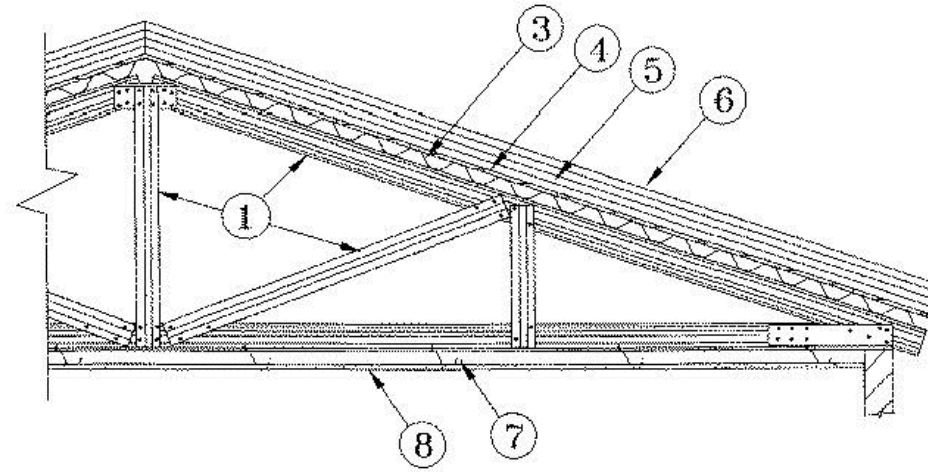
October 09, 2017

Restrained Assembly Rating -- 1, 1-1/2 and 2 Hr. (See Items 3A, 5, 5A, 5B, 5C, 5D, 8 and 8A)

Unrestrained Assembly Rating -- 1, 1-1/2 and 2 Hr. (See Items 3A, 5, 5A, 5B, 5C, 5D, 8 and 8A)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used -- See Guide BXUV or BXUV7

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



1. Structural Steel Members\* -- Pre-fabricated light gauge steel truss system consisting of cold-formed, galvanized steel chord and web sections. Trusses fabricated in various sizes, depths, and from various steel thickness. Trusses spaced a max of 48 in. OC.  
AEGIS METAL FRAMING, DIV OF MITEK -- Ultra-Span, Pre-fabricated Light Gauge Steel Truss System

2. Bridging -- (Not Shown) -- Location of lateral bracing for truss chord and web sections to be specified on truss engineering.

3. Steel Floor and Form Units -- (Classified or Unclassified) -- Corrugated or fluted steel form units, min 22 MSG painted or galv steel, welded or mechanically fastened max 12 in. OC to truss-top chords.

4. Cementitious Backer Units\* -- Nom 1/2 or 5/8 in. thick sheets. End-joints to occur over crests of steel roof deck with end-joints staggered in adjacent rows. Units loosely laid, adhered or mechanically attached to steel roof deck.  
UNITED STATES GYPSUM CO -- Type DCB.

4A. Gypsum Board -- (Classified or Unclassified) -- (Not Shown) -- As an alternate to Item 4, Gypsum sheathing, min 1/2 in. thick, applied perpendicular to steel roof deck. End joints to occur over crests of steel roof deck. Sheathing loosely laid, adhered or mechanically attached to steel roof deck. See Gypsum Board (CKNX) category for names of Classified companies.

5. Roof Insulation -- Foamed Plastic\* -- Any polyisocyanurate foamed plastic insulation boards bearing the UL Classification Marking. Min thickness is 1 in. for the 1 hr assembly ratings, 2 in. for the 1-1/2 hr assembly ratings and 4 in. for the 2 hr ratings, with no limit on max overall thickness. Boards installed over the cementitious backer units (Item 4) or gypsum sheathing (Item 4A), with the end-joints staggered in adjacent rows. When applied in more than one layer, each layer of board to be offset in both directions from layer below in order to lap all joints. Boards loosely laid, adhered or mechanically fastened to cementitious backer units or gypsum sheathing, and to steel roof deck (Item 3). See Foamed Plastic (CCVV) Category in the Fire Resistance Directory.

5A. Roof Insulation -- Foamed Plastic\* -- (Not Shown) -- As an alternate to Item 5 -- For 1 and 1-1/2 hr ratings only -- Any polystyrene foamed plastic insulation boards bearing the UL Classification Marking. Min thickness is 1 in. for the 1 hr assembly ratings, 2 in. for the 1-1/2 hr assembly ratings, with no limit on max overall thickness. Boards installed over the cementitious backer units (Item 4) or gypsum sheathing (Item 4A), with the end-joints staggered in adjacent rows. When applied in more than one layer, each layer of board to be offset in both directions from layer below in order to lap all joints. Boards loosely laid, adhered or mechanically fastened to cementitious backer units or gypsum sheathing, and to steel roof deck (Item 3). See Foamed Plastic (CCVV) category in the Fire Resistance Directory.

5B. Roof Insulation -- Mineral and Fiber Boards\* -- (Not Shown) -- As an alternate to Item 5 -- Mineral wool, glass fiber or perlite insulation boards, 24 by 48 in. min size, applied in one or more layers. Min thickness is 1 in. for the 1 hr assembly ratings, 2 in. for the 1-1/2 hr assembly rating and 4 in. for the 2 hr ratings, with no limit on max overall thickness. Boards installed over the cementitious backer units (Item 4) or gypsum sheathing (Item 4A), with the end-joints staggered in adjacent rows. When applied in more than one layer, each layer of board to be offset in both directions from layer below in order to lap all joints. Boards loosely laid, adhered or mechanically fastened to cementitious backer units or gypsum sheathing, and to steel roof deck (Item 3). See Mineral and Fiber Boards (BQXR) Category in the Building Materials Directory or Mineral and Fiber Boards (CERZ) Category in the Fire Resistance Directory.

5C. Roof Insulation -- Building Units\* -- (Not Shown) -- As an alternate to Item 5 -- Any polyisocyanurate foamed plastic insulation faced on the top surface with oriented strand board or faced on the underside or both sides with wood fiber core, bearing the UL Classification Marking for Fire Resistance. No min thickness of the polyisocyanurate foamed plastic core required for the 1 hr assembly ratings, min 2 in. polyisocyanurate foamed plastic core for the 1-1/2 hr assembly ratings and min 4 in. polyisocyanurate foamed plastic core for the 2 hr rating with no limit on max overall thickness. Boards installed over the cementitious backer units (Item 4) or gypsum sheathing (Item 4A), with the end-joints staggered in adjacent rows. When applied in more than one layer, each layer of board to be offset in both directions from layer below in order to lap all joints. Boards loosely laid, adhered or mechanically fastened to cementitious backer units or gypsum sheathing and to steel roof deck (Item 3). See Building Units (BZXK) category in the Fire Resistance Directory.

5D. Roof Insulation -- Foamed Plastic\* -- (Not Shown) -- For use with Item 8A. Any polyisocyanurate foamed plastic insulation boards bearing the UL Classification Marking. Min thickness is 1 in. for the 1 hr. Assembly Ratings and 3 in. for the 1-1/2 hr and 2 hr. Assembly Ratings, with no limit on max overall thickness. Boards installed over the cementitious backer units (Item 4), with the end-joints staggered in adjacent rows. When applied in more than one layer, each layer of board to be offset from layer below in order to lap all joints. Boards loosely laid, adhered or mechanically fastened to cementitious backer units (Item 4) or gypsum sheathing (Item 4A), with the end-joints staggered in adjacent rows.

6. Roof Covering\* -- Consisting of hot-mopped or cold-application materials compatible with insulation(s) described herein which provide Class A, B or C coverings. See Roofing Materials and Systems Directory-Roof Covering Materials (TEVT).

6A. Roofing Membrane\* -- (Not Shown) -- In lieu of Item 6, single-ply membrane that is either ballasted, adhered or mechanically attached to the insulation(s) described herein as permitted under the respective company's Classification. See Fire Resistance Directory-Roofing Membranes (CHCI) Category.

6B. Metal Roof Deck Panels\* -- In lieu of or in addition to Items 6 and 6A, the roof covering may consist of mechanically fastened galv or painted steel roof deck panels. Panels may be installed above a steel purlin assembly per metal roof deck manufacturer's specifications. Steel purlin assembly to be installed transverse to steel roof trusses (Item 1). A line of sealant or tape may be used at panel side and end laps. See Metal Roof Deck Panels Category in the Roofing Materials and Systems Directory (TJPV) or Fire Resistance Directory (CETW) for names of manufacturers.

6C. Roof Cove

ring\* -- In Lieu of Item 6 -- Any UL Class A, B or C Prepared Roof Covering (TFWZ) acceptable for use over plywood sheathing or nonveneer APA Rated Series Sheathing. Sheathing mechanically fastened through roof insulation to top chord of steel trusses with fasteners spaced a max of 12 in. OC. As an alternate to the plywood sheathing or nonveneer APA Rated Series Sheathing, the Prepared Roof Covering (TFWZ) may be applied directly to the Building Units\* (Item 5C) if the building units also carry the UL Classification Marking for Prepared Roofing Accessories (TGDY). Fasteners to be of sufficient length to penetrate top chord of truss by 3/8 in.

1. Resilient Channels -- Resilient channels formed of 25 MSG galv steel, installed perpendicular to the trusses (Item 1) when steel trusses spaced a max 24 in. OC. Resilient channels spaced a max of 16 in. OC. Channels oriented opposite at wallboard butt-joints. Channel splices overlapped 4 in. beneath steel trusses. Channels secured to each truss with Type S-12 by 1/2 in. long screws.

7A. Furring Channels -- (Not Shown) -- As an alternate to Item 7 -- Hat channels min 20 MSG galv steel, min 2-5/8 in. wide by min 7/8 in. deep, installed perpendicular to the trusses (Item 1) spaced a max of 16 in. OC. Two courses of channel positioned 6 in. OC at wallboard butt-joints (3 in. from each end of wallboard). Channel splices overlapped 6 in. beneath steel trusses. Channels secured to each truss with No. 18 SWG steel wire double strand saddle ties. Channels tied together with double strand of No. 18 SWG galv steel wire at each end overlap.

7B. Resilient Channels -- (Not Shown) -- As an alternate to Items 7 and 7A, resilient channels, double legged formed of 25 MSG galv steel, 2-7/8 in. wide by 1/2 in. deep, perpendicular to steel trusses (Item 1) when steel trusses are spaced a max 24 in. OC. Resilient channels spaced a max of 16 in. OC. Two courses of resilient channel positioned 6 in. OC at wallboard butt-joints (3 in. from each end of wallboard). Channel splices overlapped 4 in. beneath steel trusses. Channels secured to each truss with Type S12 by 1/2 in. long screws or with No. 18 SWG galv steel wire double strand saddle ties. Channels tied together with double strand of No. 18 SWG galv steel wire at each end overlap.

2. Gypsum Board\* -- For all ratings except the 2 Hr Assembly Ratings -- One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to trusses. Attached to the resilient channels using 1 in. long Type S bugle-head screws spaced 12 in. OC along butted end-joints and 12 in. OC in the field. For the 2 Hr Ratings -- Two layers of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to trusses. Base layer attached as described above. Face layer attached to the resilient channels using 1-5/8 in. long Type S bugle-head screws spaced 12 in. OC along butted end-joints and 12 in. OC in the field. Screws staggered from base layer screws. Face layer side and end joints offset a minimum 16 in. from base layer side and end joints.  
CGC INC -- Types C, IP-X2, IPC-AR.

UNITED STATES GYPSUM CO -- Types C, IP-X2, IPC-AR.

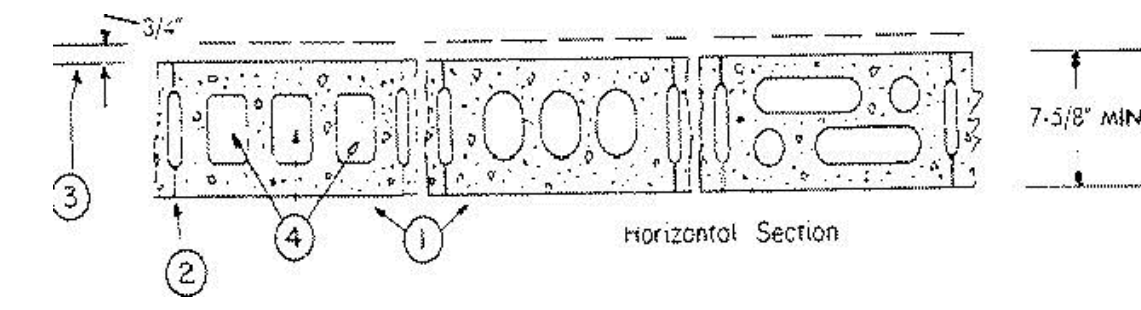
USG MEXICO S A DE C V -- Types C, IP-X2, IPC-AR.

Design No. U905

Bearing Wall Rating -- 2 HR

Nonbearing Wall Rating -- 2 HR

Load Restricted for Canadian Applications -- See Guide BXUV7



1. Concrete Blocks\* -- Various designs. Classification D-2 (2 hr). See Concrete Blocks category for list of eligible manufacturers.

2. Mortar -- Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. Portland Cement Stucco or Gypsum Plaster -- Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

4. Loose Masonry Fill -- If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kilm Process) or perlite treated vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.

5. Foamed Plastic\* -- (Optional-Not Shown) -- 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1). THE DOW CHEMICAL CO -- Type Thermax

\*Bearing the UL Classification Mark

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PROJECT NUMBER

23-017

DATE

03/13/24

REVISIONS

NO.	DATE
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FACILITY CODE  
000-0000



855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

ADDITIONS & RENOVATIONS TO:  
EMS STATION #30  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS



SHEET INDEX  
U.L. DETAILS

SHEET INDEX

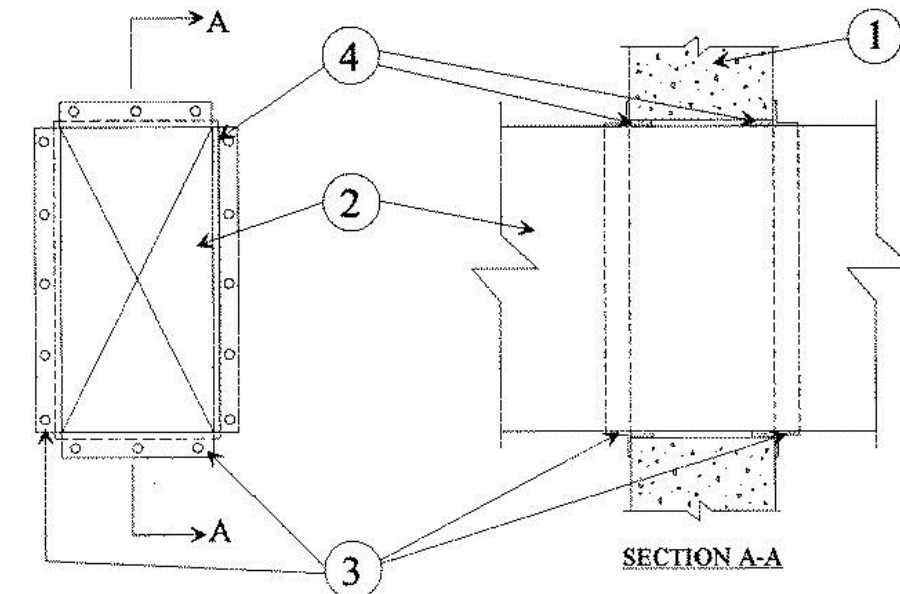
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System No. W-J-7001

F Rating -- 1 Hr  
T Rating -- 0 Hr



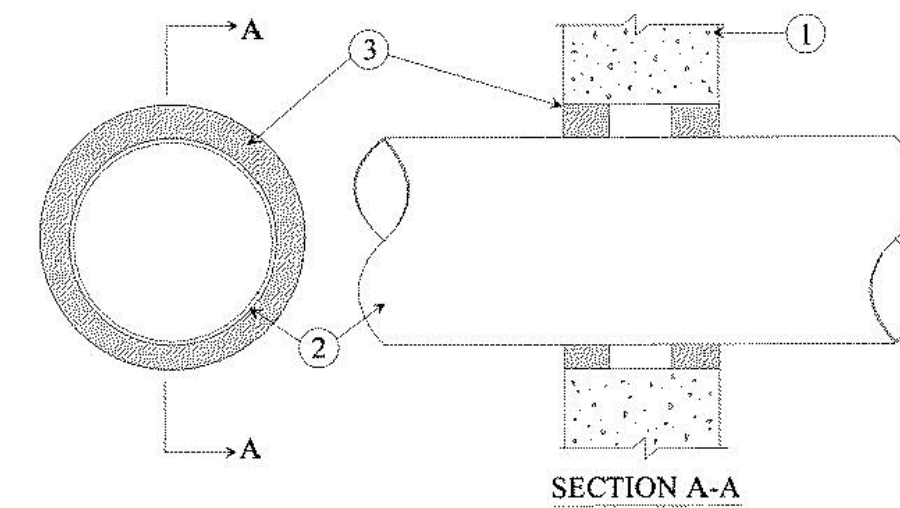
1. Wall Assembly -- Min 3-3/4 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max area of opening is 325 sq in. with max dimension of 25 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Steel Vent Duct -- Nom 12 x 24 in. (or smaller) x 24 gauge (or heavier) galv steel vent duct. One vent duct to be positioned within the firestop system. The annular space shall be min 1/4 in. to a max 3/4 in. Duct to be rigidly supported on both sides of the wall assembly.
3. Steel Retaining Angle -- Nom 2 x 2 x 1/8 in. steel angles attached to all four sides of the duct on both sides of the wall. The angles shall be attached with No. 8 (or larger) steel sheet metal screws or 1/4 in. diam by min 1 in. long steel bolts and nuts spaced within a max of 2 in. from each end and at a max of 5 in. OC.
4. Fill, Void or Cavity Material\* -- Sealant -- Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF  
HILTI INC -- CP601S, CP606 or FS-One Sealant

\*Bearing the UL Classification Mark

System No. W-J-1028

F Ratings -- 1 & 2 Hr (See Item 3)  
T Rating -- 0 Hr



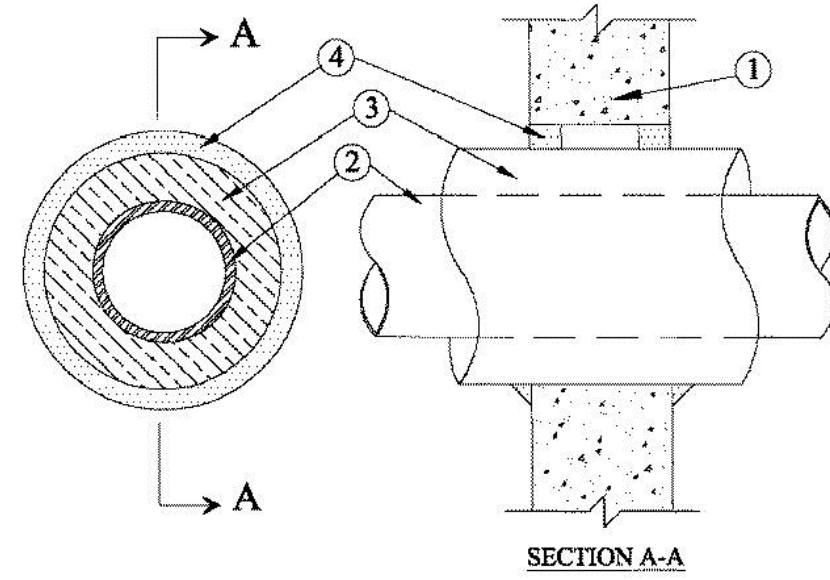
1. Wall Assembly -- Min 2-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 12-1/2 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through-Penetrants -- One metallic pipe, conduit or tubing to be centered within the firestop system. The annular space between pipes, conduit or tubing and periphery of opening shall be min 1/2 in. to max 7/8 in. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:  
A. Steel Pipe -- Nom 10 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.  
B. Conduit -- Nom 4 in. diam (or smaller) steel electrical metallic tubing or nom 6 in. diam (or smaller) steel conduit.  
C. Copper Tubing -- Nom 4 in. diam (or smaller) Type L (or heavier) copper tubing.  
D. Copper Pipe -- Nom 4 in. diam (or smaller) Regular (or heavier) copper pipe.
3. Fill, Void or Cavity Material\* -- Sealant -- Min 5/8 in. or 1-1/4 in. thickness of fill material applied within the annulus, flush with both surfaces of wall for 1 hr and 2 hr fire-rated walls, respectively. HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC -- CP 601s or FS-ONE Sealant

\*Bearing the UL Classification Mark

System No. W-J-5042

F Ratings -- 1 and 2 Hr (See Items 1 and 4)  
T Ratings -- 1/2, 3/4, 1, 1-1/2 and 1-3/4 Hr (See Item 3)  
L Rating At Ambient -- 4 CFM/Sq Ft  
L Rating at 400 F -- Less Than 1 CFM/Sq Ft



1. Wall Assembly -- Min 3-3/4 in. and 5 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete for 1 and 2 hr rated assemblies, respectively. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 18-5/8 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through-Penetrants -- One metallic pipe or tubing to be centered within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:  
A. Steel Pipe -- Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.  
B. Iron Pipe -- Nom 12 in. diam (or smaller) cast or ductile iron pipe.  
C. Copper Tubing -- Nom 6 in. diam (or smaller) Type L (or heavier) copper tubing.  
D. Copper Pipe -- Nom 6 in. diam (or smaller) Regular (or heavier) copper pipe.
3. Pipe Covering\* -- Nom 1, 1-1/2 or 2 in. thick hollow-cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. See Pipe and Equipment Covering Materials (BRGU) category in the Building Materials Directory for the names of the manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

The hourly T Rating of the firestop system is dependent on the size and type of through penetrant, the pipe covering thickness and the annular space as shown in the table below:

Wall Assembly Rating	Through Penetrant		Pipe Covering Thickness In.	Annular Space		T Rating Hr.
	Type +	Max Diameter In.		Min. In.	Max In.	
1	A,B	4	1	0	1-1/2	1/2
1	C OR D	2	1 OR 1-1/2	0	1-1/2	1/2
1	A,B	4	1-1/2	0	1-1/2	1
1	A,B	10	2	0	1-7/8	3/4
1	C OR D	6	2	0	1-7/8	1
2	A,B	4	1	0	1-1/2	1
2	C OR D	4	1 OR 1-1/2	0	1-1/2	1
2	A,B	4	1-1/2	0	1-1/2	1-3/4
2	A,B	12	2	0	1-7/8	1-1/2
2	C OR D	6	2	0	1-7/8	1

+--Indicates penetrant type as itemized in Item 2.

4. Fill, Void or Cavity Material\* -- Sealant -- Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point contact location between pipe covering and wall, a min 1/2 in. diam bead of fill material shall be applied at the pipe covering/wall interface on both surfaces of wall.

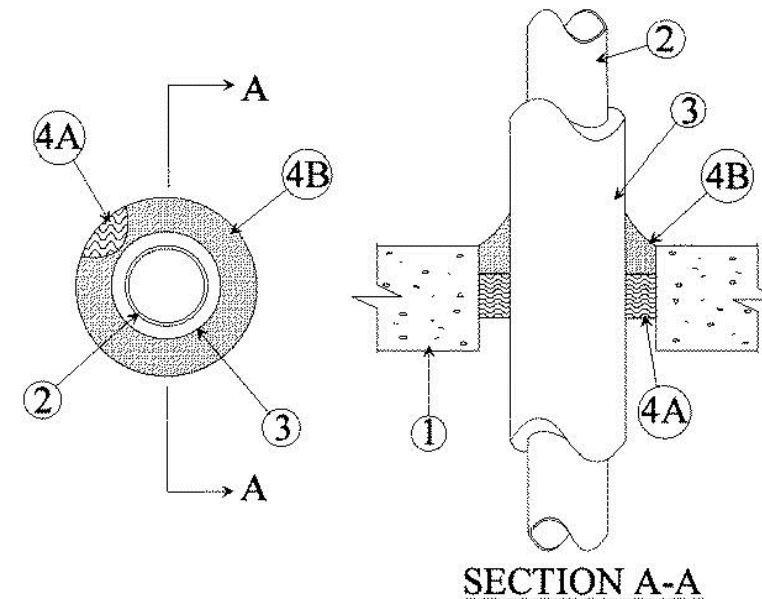
HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC -- FS-One Sealant

\*Bearing the UL Classification Mark

System No. C-BJ-5008

F Rating -- 3 Hr  
T Rating -- 3 Hr



1. Floor or Wall Assembly -- Min 6 in. thick reinforced normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 16 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Steel Pipe -- Nom 8 in. diam (or smaller) Schedule 10 (or heavier) steel pipe. One pipe to be installed either concentrically or eccentrically within the firestop system. Pipe to be rigidly supported on both sides of floor or wall assembly.
3. Pipe Coverings -- One of the following types of pipe coverings shall be used:  
A. Pipe and Equipment Coverings and Materials\* -- Nom 2 in. thick hollow cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners for factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. The annular space within the firestop system shall be min 1/2 in. to max 2 in. See Pipe and Equipment Covering -- Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.  
B. Pipe Covering Materials\* -- Nom 2 in. thick unfaced mineral fiber pipe insulation having a nom density of 3.5 pcf (or heavier) and sized to the outside diam of pipe or tube. Pipe insulation secured with min 8 AWG steel wire spaced max 12 in. OC. The annular space within the firestop system shall be min 1/2 in. to max 2 in. IIG MINWOOL L L C -- High Temperature Pipe Insulation 1200, High Temperature Pipe Insulation BWT or High Temperature Pipe Insulation Thermaloc
- C. Sheathing Material\* -- Used in conjunction with item 3B. Foli-scrim-kraft or all service jacket material shall be wrapped around the outer circumference of the pipe insulation (Item 3B) with the kraft side exposed. Longitudinal joints and transverse joints sealed with metal fasteners or butt tape. See Sheathing Materials (BVDV) category in the Building Materials Directory for names of manufacturers. Any sheathing material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

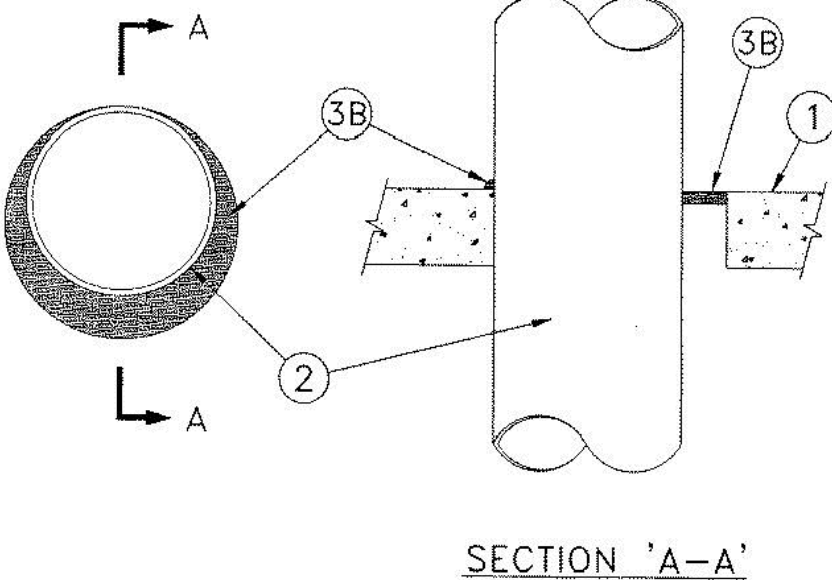
1. Firestop System -- The firestop system shall consist of the following:  
A. Packing Material -- Min 2-1/2 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.  
B. Fill, Void or Cavity Material\* -- Sealant -- Min 1 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces. Additional fill material to be installed such that a min 1/4 in. crown is formed around the penetrating item

W R GRACE & CO - CONN -- FS 1900 Sealant

\*Bearing the UL Classification Mark

System No. C-AJ-1235

F Ratings -- 2 and 3 Hr (See Item 3B)  
T Rating -- 0 Hr  
L Rating at Ambient - Less than 1 CFM/sq ft  
L Rating at 400° F - Less than 1 CFM/sq ft



1. Floor or Wall Assembly -- Min 4-1/2 in. (114 mm) thick reinforced normal weight (140-150 pcf or 2200-2400 kg/m<sup>3</sup>) concrete. Floor may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow-core Precast Concrete Units\*. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 26 in. (660 mm). If the firestop system is installed within a hollow-core hollow-core precast concrete unit, max diam of opening shall be 7 in. (178 mm). See Concrete Block (CAZT) and Precast Concrete Units (CFTV) categories in the Fire Resistance Directory for names of manufacturers.

- 1A. Metallic Sleeve -- (Not shown, Optional) -- Nom 8 in. (203 mm) diam (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces. The use and the max diam of the steel sleeve is dependent upon the type and max diam of the through penetrant (Item 3) and type and min fill material thickness as tabulated in Item 3B.
2. Through Penetrants -- One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space between the pipe, conduit or tubing and the periphery of the opening shall be min 0 in. (point contact) to a max 1-7/8 in. (48 mm). Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:  
A. Steel Pipe -- Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.  
B. Iron Pipe -- Nom 24 in. (610 mm) diam (or smaller) cast or ductile iron pipe.  
C. Conduit -- Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or nom 6 in. (152 mm) diam (or smaller) steel conduit.  
D. Copper Tubing -- Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.  
E. Copper Pipe -- Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
3. Firestop System -- The firestop system shall consist of the following:  
A. Packing Material -- Min 4 pcf (64 m<sup>3</sup>) mineral wool batt insulation firmly packed into opening or min 1 in. (25 mm) diam backer rod friction fitted into the opening as a form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material. When the floor is constructed of hollow-core precast concrete units, packing material shall be recessed from both surfaces of floor to accommodate the required thickness of fill materials. In floors, the packing material may be removed after the fill material cures.  
B. Fill, Void or Cavity Material\* -- Sealant -- Fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. At the point contact location between through penetrant and concrete, a min 3/8 in. (10 mm) diam bead of fill material shall be applied at the concrete/through penetrant interface on the top surface of floor and on both surfaces of wall. When the floor is constructed of hollow-core precast concrete units, fill material shall be installed symmetrically on both sides of floor, flush with both floor surfaces. The F Rating of the firestop system is dependent upon the use and the max diam of the steel sleeve, type and max diam of the through penetrant and type and min fill material thickness as tabulated below:

Use of Steel Sleeve	Max. Dia. of St. Sleeve In.	Type of Through Penetration	Max. Dia. of Through Penetration In.	Type of Fill Material	Min. Fill Material Thickness In.	F Rating Hr.
Not Permitted	-	Steel or Iron Pipe	24 (610)	FS1900	1 (25)	3
Permitted	8 (203)	Steel or Iron Pipe	6 (125)	FS1900	1 (25)	3
Permitted	8 (203)	Copper Pipe, Tube or Stl.	6 (125)	FS1900	1 (25)	3
Permitted	6 (125)	Steel EMT	4 (102)	FS1900	1 (25)	3
Permitted	6 (125)	Steel or Iron Pipe	4 (102)	FS1900	1/2 (13)	2
Permitted	6 (125)	Copper Pipe, Tube or Stl.	4 (102)	FS1900	1/2 (13)	2
Permitted	6 (125)	Steel EMT	4 (102)	FS1900	1/2 (13)	2
Not Permitted	-	Steel or Iron Pipe	24 (610)	FS900/FS900+	1/2 (13)	3
Permitted	8 (203)	Steel or Iron Pipe	6 (125)	FS900/FS900+	1/2 (13)	3
Permitted	8 (203)	Copper Pipe, Tube or Stl.	6 (125)	FS900/FS900+	1/2 (13)	3
Permitted	6 (125)	Steel EMT	4 (102)	FS900/FS900+	1/2 (13)	3

W R GRACE & CO - CONN -- FlameSafe® FS1900, FlameSafe® FS900, FlameSafe® FS900+.

\*Bearing the UL Classification Mark

PROJECT NUMBER  
23-017

DATE  
03/13/24

REVISIONS  
NO. DATE  
0000 00/00/00

FACILITY CODE  
000-0000



855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

ADDITIONS & RENOVATIONS TO:  
EMS STATION #30  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS



SHEET INDEX  
U.L. DETAILS

SHEET INDEX

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**GENERAL DEMOLITION NOTES:**

- \*COORDINATE ALL DEMOLITION WITH OWNER AND NEW PLANS. SEE SPECIFICATIONS, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
- \*REMOVE ANY EXISTING CONSTRUCTION REQUIRED TO PERFORM NEW WORK.
- \*EXISTING AREAS TO REMAIN THAT ARE DISTURBED BECAUSE OF WORK PERFORMED UNDER THIS CONTRACT ARE TO BE REPAIRED/RESTORED TO A CONDITION EQUAL TO ORIGINAL OR AS DIRECTED BY OWNER.
- \*ALL EXISTING EQUIPMENT AND MATERIALS TO BE REMOVED SHALL BE DISPOSED OF AS DIRECTED BY OWNER.
- \*WHEN EQUIPMENT IS DEMOLISHED, ALL ASSOCIATED COMPONENTS SHALL BE REMOVED.
- \*CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EQUIPMENT/ COMPONENTS INDICATED TO ACCEPT NEW EQUIPMENT.
- \*CUT OFF FLUSH WITH WALL AND CAP OVER ALL PENETRATIONS NO LONGER TO BE UTILIZED IN WALLS.
- \*CONTRACTOR SHALL VISIT THE SITE AND INCLUDE IN THEIR BID ANY DEMOLITION REQUIRED FOR CONSTRUCTION.
- \*CONTRACTOR SHALL MAINTAIN A SECURE SITE THROUGHOUT DEMOLITION. PROVIDE LOCKABLE GATES/CHAINS/ETC. TO DETER PUBLIC ACCESS WHEN CONTRACTOR IS NOT ON SITE.
- \*COMPLETELY REMOVE ALL EXISTING HVAC SYSTEMS/DUCTWORK AND EQUIPMENT, PLUMBING SYSTEMS AND FIXTURES, AND ELECTRICAL SYSTEMS AND FIXTURES IN PREPARATION FOR INSTALLATION OF NEW SYSTEMS. SEE ENGINEERING DRAWINGS FOR FURTHER INFORMATION.

**GENERAL DEMOLITION NOTES (CONTINUED):**

- \*CONTRACTOR SHALL PROVIDE MEASURES TO DETER UNAUTHORIZED ACCESS TO DEMOLISHED MATERIALS IN DUMPSTERS. MEASURES MAY INCLUDE FENCING, GATES, ETC. AND/OR FREQUENT OR DAILY DUMPSTER PULLS.
  - \*WHEN EXISTING FLOORING IS DEMOLISHED CONTRACTOR SHALL COMPLETELY REMOVE RESIDUAL FLOORING ADHESIVES/GROUTS/SEALANTS FROM ALL SPACES DOWN TO CONCRETE SLAB. LEAVE SLAB SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.
  - \*COMPLETELY REMOVE WALLS AS INDICATED ON PLAN. LEAVE ALL SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.
- KEYED DEMOLITION NOTES:**
- 1 COMPLETELY REMOVE EXISTING DOOR, FRAME AND HARDWARE IN PREPARATION FOR NEW CONSTRUCTION. LEAVE ALL SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.
  - 2 COMPLETELY REMOVE EXISTING STOREFRONT ENTRANCE SYSTEM. LEAVE ALL SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.
  - 3 COMPLETELY REMOVE EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED CONNECTIONS, ACCESSORIES, PARTITIONS, ETC. LEAVE ALL SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.

**KEYED DEMOLITION NOTES (CONTINUED):**

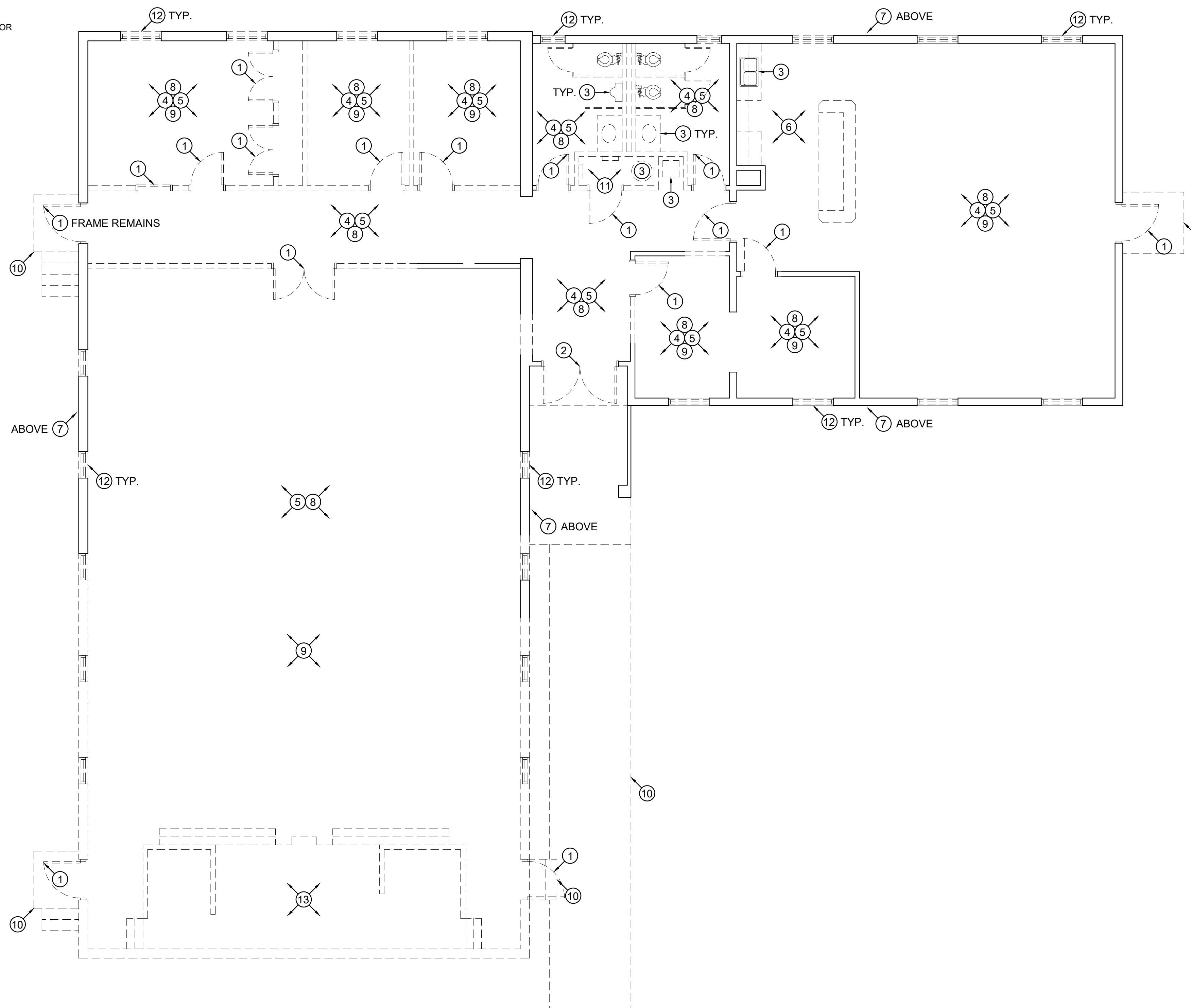
- 4 COMPLETELY REMOVE CEILING "POPCORN" FINISH AND CEILING MOUNTED DEVICES FROM THIS SPACE. LEAVE ALL SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.
- 5 COMPLETELY REMOVE EXISTING CARPET/FLOOR FINISH AND ALL ASSOCIATED TRIM, BASE, THRESHOLDS, ETC. FROM THIS SPACE. LEAVE ALL SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.
- 6 CAREFULLY REMOVE EXISTING CABINETRY, FIXTURES, ACCESSORIES AND APPLIANCES AND COORDINATE WITH OWNER REGARDING INTENDED REUSE OR DISPOSAL OF THESE ITEMS. LEAVE ALL SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.
- 7 COMPLETELY REMOVE EXISTING GUTTERS AND DOWNSPOUTS. LEAVE ALL SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.
- 8 COMPLETELY REMOVE EXISTING CHAIR RAIL, CROWN MOLDING, WALLPAPER AND/OR WOOD PANELING, AND TRIM FROM THIS SPACE. LEAVE ALL SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.
- 9 CAREFULLY REMOVE EXISTING FURNISHINGS AND COORDINATE WITH OWNER REGARDING INTENDED REUSE, STORAGE OR DISPOSAL OF THIS ITEM. LEAVE ALL SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.

**KEYED DEMOLITION NOTES (CONTINUED):**

- 10 COMPLETELY REMOVE EXISTING BRICK/CONCRETE STAIRS, RAMPS, CONCRETE PADS, WALKS, ETC. SEE CIVIL FOR FURTHER NOTES. LEAVE ALL SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.
- 11 COMPLETELY REMOVE EXISTING ELECTRICAL EQUIPMENT, WIRING, CONNECTIONS, CONCRETE PADS, ETC. SEE ELECTRICAL FOR FURTHER NOTES. LEAVE ALL SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.
- 12 CAREFULLY REMOVE EXISTING WINDOWS, SILLS AND ALL ASSOCIATED COMPONENTS, ACCESSORIES, ETC. LEAVE ALL SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.
- 13 COMPLETELY REMOVE EXISTING PLATFORM, STAIRS, ETC. LEAVE ALL SURFACES SMOOTH, CLEAN AND FREE OF DEBRIS IN PREPARATION FOR NEW CONSTRUCTION.

**PLAN LEGEND**

- — — — — EXISTING CONSTRUCTION TO REMAIN
- - - - - EXISTING CONSTRUCTION TO BE DEMOLISHED

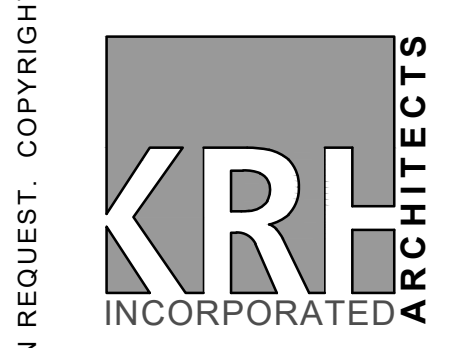


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TEL. 706.529.5895

ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
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SHEET INDEX  
DEMOLITION PLAN

SHEET INDEX

**A1.0**

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**GENERAL RENOVATION NOTES:**

- \*ALL EXTERIOR SURFACES SHALL BE THOROUGHLY CLEANED BY THE CONTRACTOR UPON COMPLETION OF THE PROJECT.
- \*PENETRATIONS IN THE ROOFING, CEMENTITIOUS SIDING, MASONRY VENEER, ETC. EXPOSED BY THE REMOVAL OF DEMOLISHED ITEMS SHALL BE PATCHED WITH MATERIALS TO MATCH.
- \*MASONRY VENEER SHALL BE REPAIRED AT ALL AREAS NOTED PER THESE DOCUMENTS BUT CONTRACTOR SHALL ALSO ALLOW FOR FIFTY (100) SQUARE FEET OF NEW MASONRY VENEER REPAIR/INSTALLATION TO COVER ANY UNFORESEEN NEEDS.
- \*SEE SHEET A4.2 FOR CASEWORK ELEVATIONS AND SHEET A4.3 FOR TYPICAL CASEWORK SECTIONS.

**KEYED RENOVATION NOTES:**

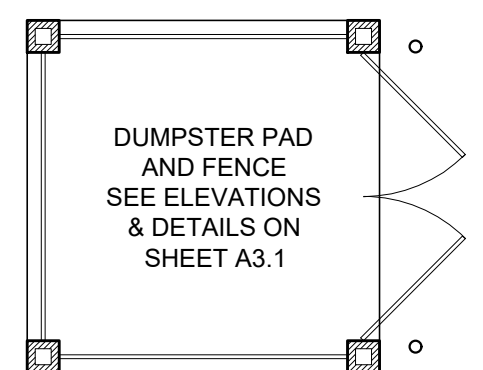
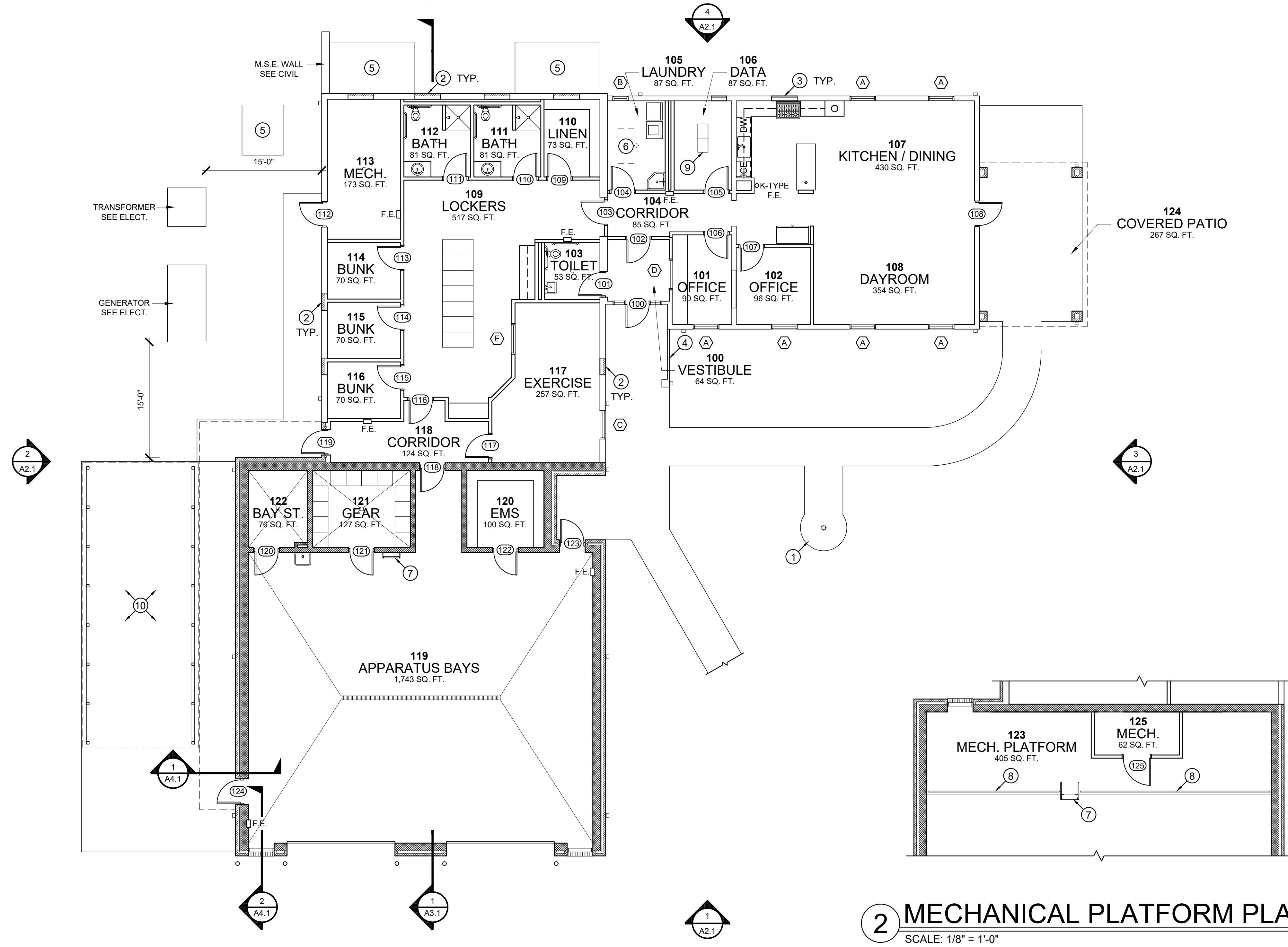
- 1. NEW FLAGPOLE AND ACCESSORIES. SEE SPECIFICATIONS. SEE ELECTRICAL FOR LIGHTING REQUIREMENTS. MOUNT FLAGPOLE IN NEW 3'-0" RADIUS CONCRETE SIDEWALK AS SHOWN. SEE CIVIL FOR SIDEWALK DETAILS.
- 2. INFILL VOID FROM REMOVED ITEMS WITH NEW MASONRY VENEER AND MORTAR TO MATCH EXISTING. REPAIR AND REPOINT SURROUNDING VENEER AS REQUIRED TO "TOOTH IN" NEW MASONRY ITEMS.
- 3. INFILL VOID FROM REMOVED ITEMS WITH NEW FRAMING, INSULATION AND CEMENTITIOUS SIDING TO MATCH EXISTING. REPAIR SURROUNDING VENEER AS REQUIRED TO "LAP IN" NEW SIDING. PREPARE ALL SURFACES FOR NEW PAINT.
- 4. EXISTING DECORATIVE BRICK ENTRY DETAILS TO REMAIN. REPAIR AND REPOINT MASONRY IN THIS LOCATION AS REQUIRED.
- 5. NEW POURED CONCRETE MECHANICAL PADS, SLOPE TO DRAIN AWAY FROM BUILDING. SEE DIMENSIONS AND VERIFY SIZES AND SLOPES WITH MECHANICAL REQUIREMENTS.
- 6. EXISTING ATTIC ACCESS LADDER TO REMAIN ABOVE. CLEAN, MAINTAIN, AND ADJUST AS NECESSARY. REPAINT ACCESS DOOR TO MATCH NEW FINISHES.

**KEYED RENOVATION NOTES (CONTINUED):**

- 7. HEAVY DUTY ALUMINUM TUBULAR FIXED LADDER WITH WALK-THRU EQUAL TO PRECISION LADDERS, LLC. MODEL# FLH-04. BOLT SECURELY TO WALL IN LOCATION SHOWN. COORDINATE OPENING FOR LADDER WITH SAFETY RAILING SYSTEM ON MECHANICAL PLATFORM ABOVE.
- 8. STEEL SAFETY RAILING SYSTEM, SAFETY YELLOW, EQUAL TO GLOBAL INDUSTRIAL, KEE SAFETY, KWIK SS RAILING SYSTEM. PROVIDE ALL COMPONENTS NECESSARY FOR A COMPLETE AND FUNCTIONAL SYSTEM. SECURE RAILING SYSTEM BOOTS TO PLATFORM SLAB. COORDINATE INSTALLATION WITH ACCESS LADDER.
- 9. APPROXIMATE LAYOUT OF LOW VOLTAGE RACKS AND EQUIPMENT AND REQUIRED CLEARANCES. SEE SPECIFICATIONS AND ELECTRICAL FOR FURTHER INFORMATION.
- 10. STEEL COVERED BAY EQUAL TO 14'-0" WIDE X 36'-0" LONG X 12'-0" TALL LEG HEIGHT WITH 15'-2" PEAK HEIGHT UNIT BY GA PORTABLE BUILDINGS WITH 3" STEEL SIDE PANELS AT TOP. FRAMING SHALL BE 12 GAUGE. PANELS SHALL BE 26 GAUGE. SYSTEM SHALL BE CERTIFIED FOR 180 MPH LOAD. PROVIDE CONCRETE ANCHORS AT EACH CORNER AND EVERY 4'-0" O.C. MAX. AND FASTEN TO SLAB. PROVIDE COLOR MATCHED SCREWS FOR ALL PANELS. OWNER SHALL CHOOSE FROM MANUFACTURER'S FULL RANGE OF COLORS.

**PLAN LEGEND**

- (100) - DOOR NUMBER TAG
- (A) - NEW WINDOW TYPE TAG
- TYPICAL WINDOW
- EXISTING STUD WALL WITH NEW 5/8" GYP BOARD TO REPLACE DEMOLISHED WOOD PANELING AND TRIM.
- NEW CMU WALL AND MASONRY VENEER. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.
- NEW 5/8" GYP BD. AND 3-5/8" WOOD STUD PARTITION TO EXTEND TO BOTTOM OF EXISTING TRUSS UNLESS NOTED OTHERWISE. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.
- F.E. - FIRE EXTINGUISHER AND CABINET



**2 MECHANICAL PLATFORM PLAN**  
SCALE: 1/8" = 1'-0"

**1 EMS STATION #30 NEW FLOOR PLAN**  
SCALE: 1/8" = 1'-0" 5,928 S.F. GROSS

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SHEET INDEX  
NEW FLOOR PLAN

SHEET INDEX

**A1.1**

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- KEYED REFLECTED CEILING PLAN NOTES:**
1. PROVIDE NEW 5/8" TYPE "X" GYPSUM ON METAL FURRING RATED CEILING IN THIS SPACE AS PER THE REQUIREMENTS OF U.L. #P521 AND SEAL ANY PENETRATIONS PER U.L. REQUIREMENTS AS WELL.
  2. PROVIDE ATTIC ACCESS PANEL OF SMOOTH NON-VENTED HARDIE SOFFIT PANEL, SIZED 23-7/8" X 47-7/8" WITH 3/4" X 2-1/2" BATTEN BOARDS TO MATCH SURROUNDING BAY CEILING FINISH.
  3. REPAIR AND REPAINT EXISTING ATTIC ACCESS LADDER TO REMAIN.
  4. NEW GYPSUM ON STUD HEADER, BOTTOM AT 8'-8" A.F.F. MATCH WIDTH OF FRAMED OUT OPENING.
  5. NEW GYPSUM ON STUD HEADER, BOTTOM AT 8'-8" A.F.F. NOMINAL 5" WIDE.

- GENERAL REFLECTED CEILING PLAN NOTES:**
- \*ELECTRICAL AND MECHANICAL DEVICES SHOWN ON THESE PLANS ARE DIAGRAMMATIC ONLY. SEE ENGINEERING DRAWINGS FOR FURTHER INFORMATION.
- \*SPACES SHOWN WITHOUT ACT OR GYP CEILING SYSTEMS SHALL BE OPEN TO STRUCTURE ABOVE. SPACES WITH EXPOSED OPEN STRUCTURE SHALL BE THOROUGHLY CLEANED AND FULLY PAINTED/FINISHED.
- \*EXISTING PREFINISHED METAL SOFFIT, OVERHANGS, ROOFING, TRIM, ETC. TO BE REPAINTED SHALL BE THOROUGHLY CLEANED AND INSPECTED FOR ANY AREAS IN NEED OF REPAIR. REPORT ANY AREAS DISCOVERED IN NEED OF ATTENTION TO THE OWNER AND ARCHITECT IMMEDIATELY.

### PLAN LEGEND

<ul style="list-style-type: none"> <li> - NEW ACOUSTICAL TILE CEILING</li> <li> - NEW NON-VENTED SMOOTH HARDIE SOFFIT PANELS, 4'-0" X 8'-0" SIZE ON LIGHT GAGE METAL FURRING CHANNELS EVERY 2'-0" O.C. MAX. INSTALLED PERPENDICULAR TO TRUSSES WITH 3/4" THICK X 2-1/2" WIDE HARDIE TRIM SMOOTH BATTEN BOARDS EVERY 4'-0" O.C. EACH WAY.</li> <li> - TWO HOUR RATED PARTITION SEALED TIGHT TO DECK PER U.L. DESIGN #U905. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.</li> </ul>	<ul style="list-style-type: none"> <li> - INDICATES NEW 1/2" GYPSUM BOARD CEILING INSTALLED OVER EXISTING CEILING AFTER DEMOLITION OF EXISTING "POPCORN" FINISH. FASTEN NEW CEILING AT 16" O.C. MAX. TO FRAMING ABOVE. PATCH ALL HOLES ENCOUNTERED AFTER REMOVAL OF DEMOLISHED CEILING MOUNTED DEVICES.</li> <li> - ONE HOUR RATED PARTITION SEALED TIGHT TO RATED CEILING PER U.L. DESIGNS #U419 AND #P521. SEE PLANS AND DETAILS FOR FURTHER INFORMATION.</li> </ul>
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SHEET INDEX  
REFLECTED  
CEILING PLAN

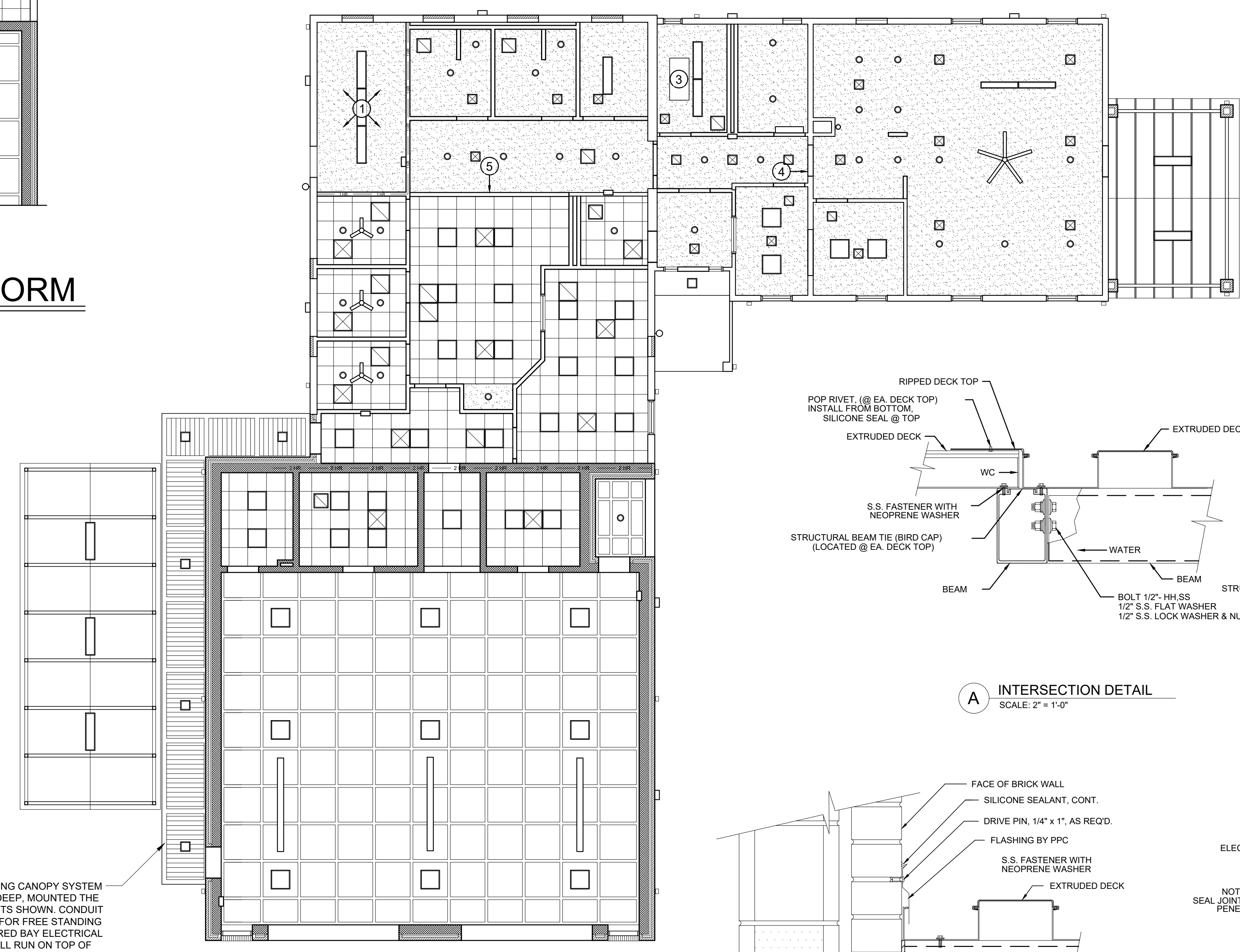
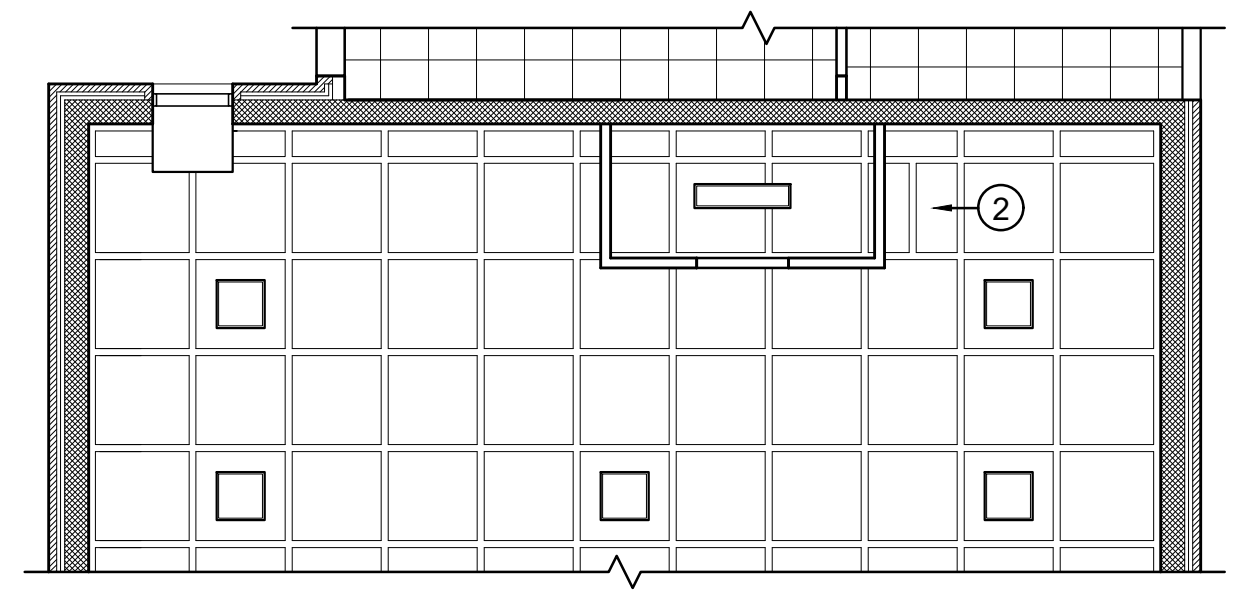
SHEET INDEX

A1.2

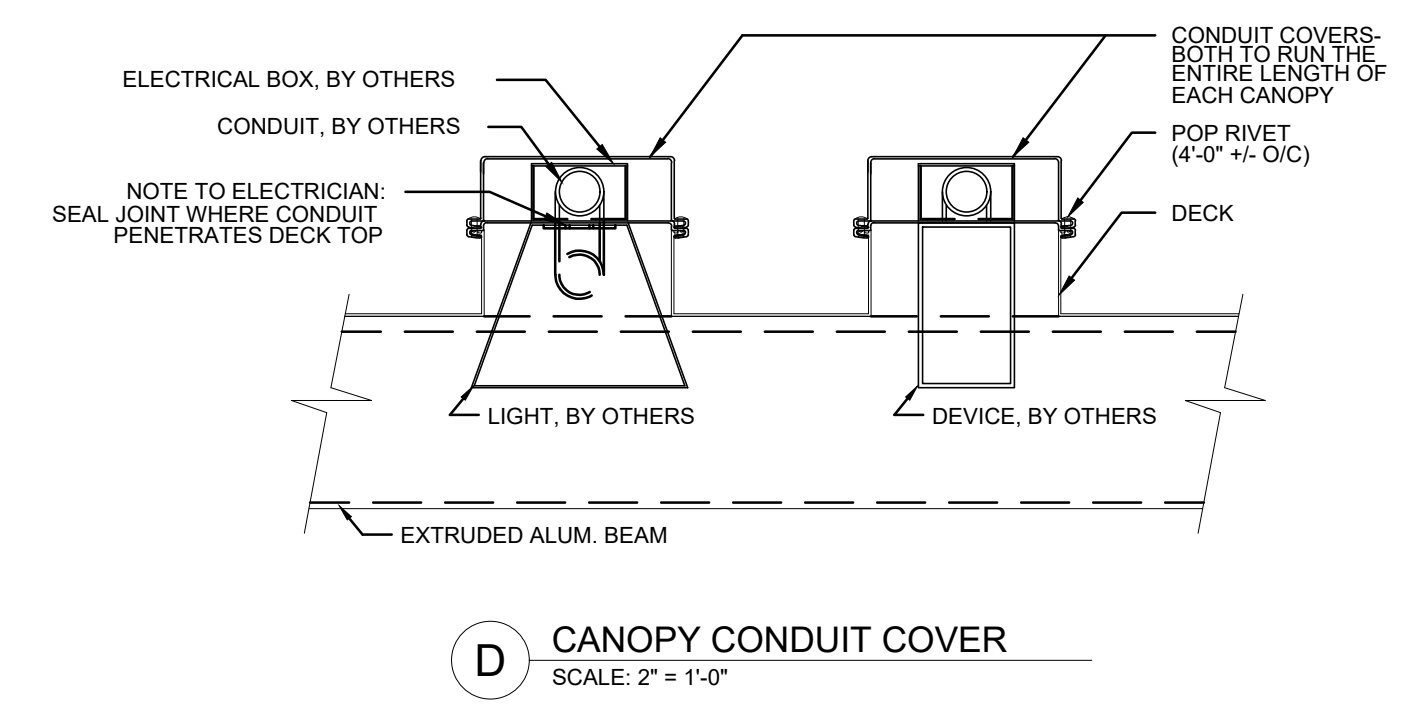
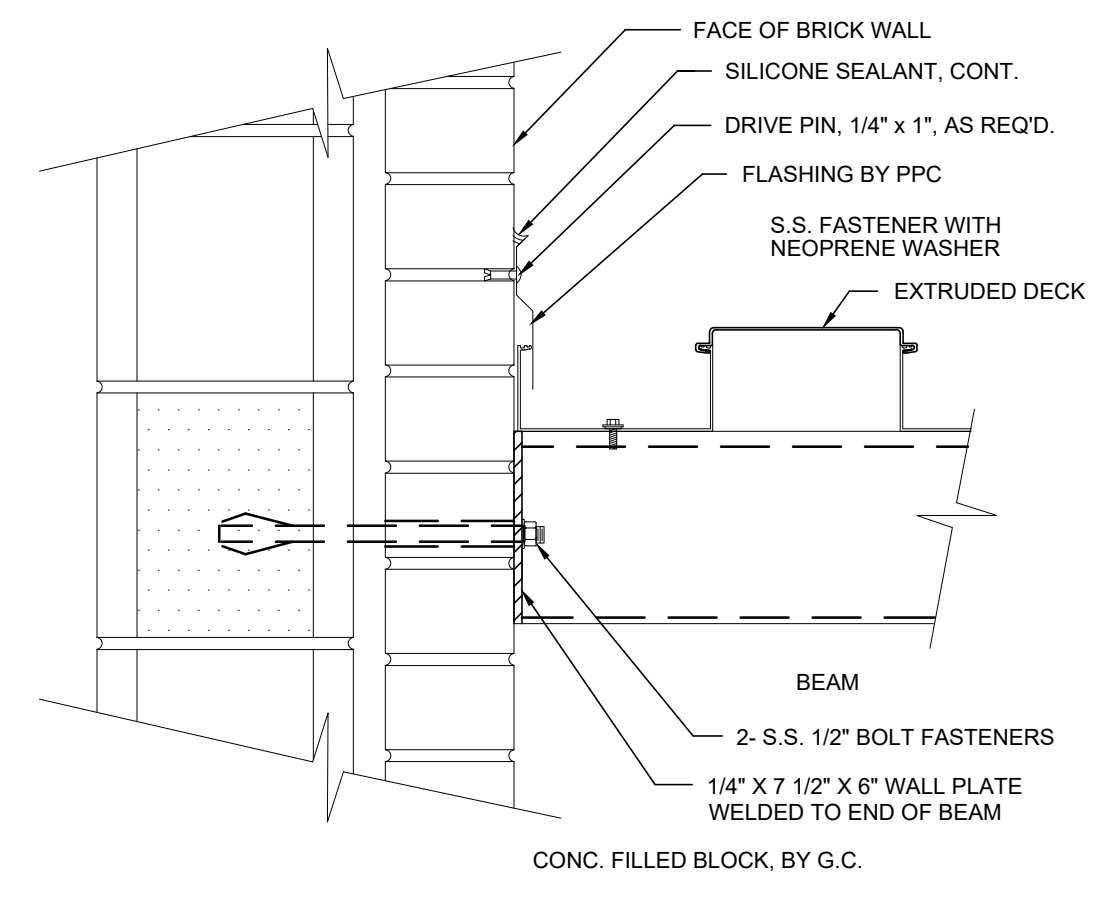
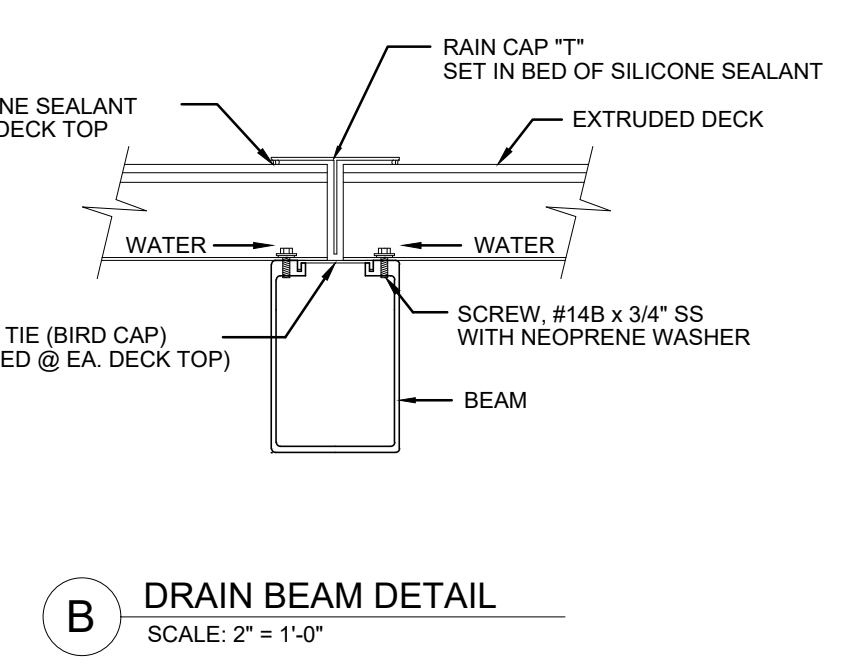
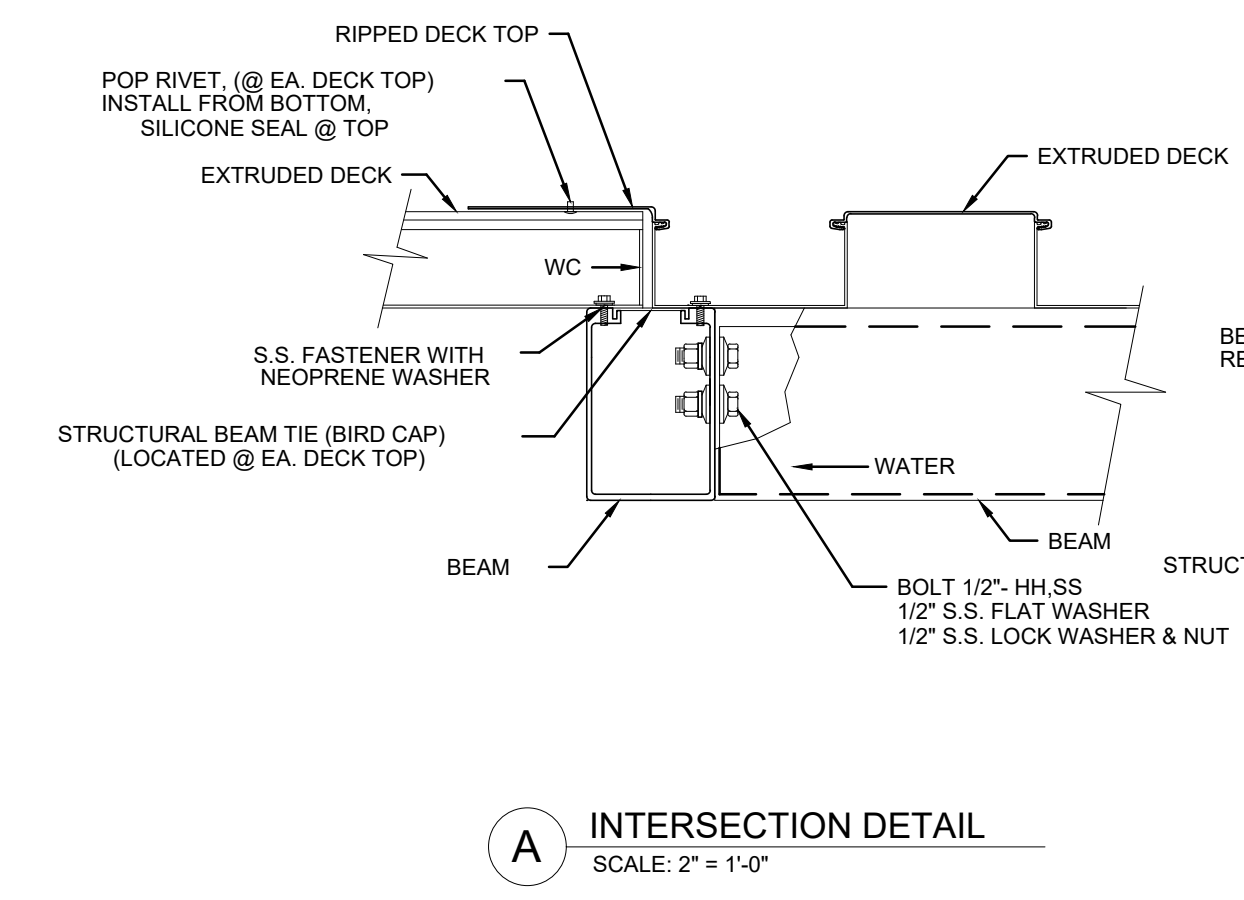
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## 2 R.F.C. PLAN AT MECH. PLATFORM

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



HANGING CANOPY SYSTEM 5'-0" DEEP, MOUNTED THE EXTENTS SHOWN. CONDUIT PATH FOR FREE STANDING COVERED BAY ELECTRICAL SHALL RUN ON TOP OF CANOPY TO STAY CONCEALED.



## 3 TYP. CANOPY DETAILS

SCALE: 2" = 1'-0"

FOR CONSTRUCTION

## PLAN LEGEND

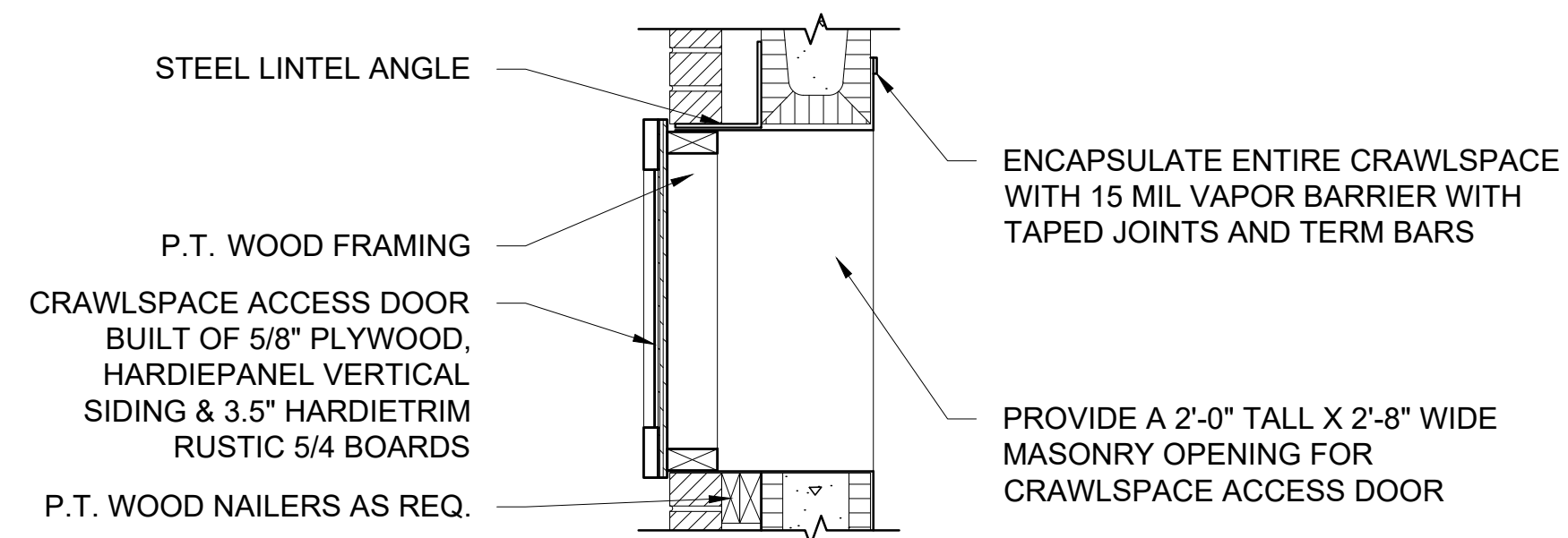
- D.S.1 - INDICATES A NEW DOWNSPOUT AND CAST IRON BOOT LOCATION. SEE CIVIL FOR STORM WATER PIPING. SEE TYPICAL DOWNSPOUT BOOT DETAIL ON SHEET A4.3.
- D.S.2 - INDICATES A NEW DOWNSPOUT AND 1'-0" WIDE X 2'-0" LONG PRECAST SPLASHBLOCK. PROVIDE 3" DEEP BY 2'-0" SQUARE OF PEA GRAVEL AT NEW SPLASHBLOCK DISCHARGE LOCATIONS.
- D.S.3 - INDICATES A NEW DOWNSPOUT AND CAST IRON BOOT LOCATION AS NOTED ON D.S.1. THESE DOWNSPOUTS MUST CONTINUOUSLY PASS THRU THE NEW CANOPY SYSTEM. COORDINATE INSTALLATION TO FACILITATE THIS FUNCTION.
- INDICATES EXISTING METAL ROOFING TO REMAIN. EXISTING ROOFING, TRIM, ETC. SHALL BE CLEANED, REPAIRED, PREPPED AND REPAINTED PER CONTRACT DOCUMENTS. OWNER SHALL SELECT ONE MAIN COLOR AND UP TO TWO ACCENT COLORS FROM MANUFACTURER'S FULL RANGE.
- INDICATES NEW METAL ROOFING TO BE INSTALLED PER CONTRACT DOCUMENTS.

### GUTTERS & DOWNSPOUTS NOTE:

PREFINISHED METAL GUTTERS TO BE 6" X 6" IN SIZE AND PREFINISHED DOWNSPOUTS TO BE 4" X 6" IN SIZE. PROVIDE STABILIZING STRAPS ON GUTTERS AT EVERY 4'-0" O.C. MAX AND PROVIDE ALL FLASHING, TRIM, CLIPS, ETC. REQUIRED FOR A COMPLETE INSTALLATION.

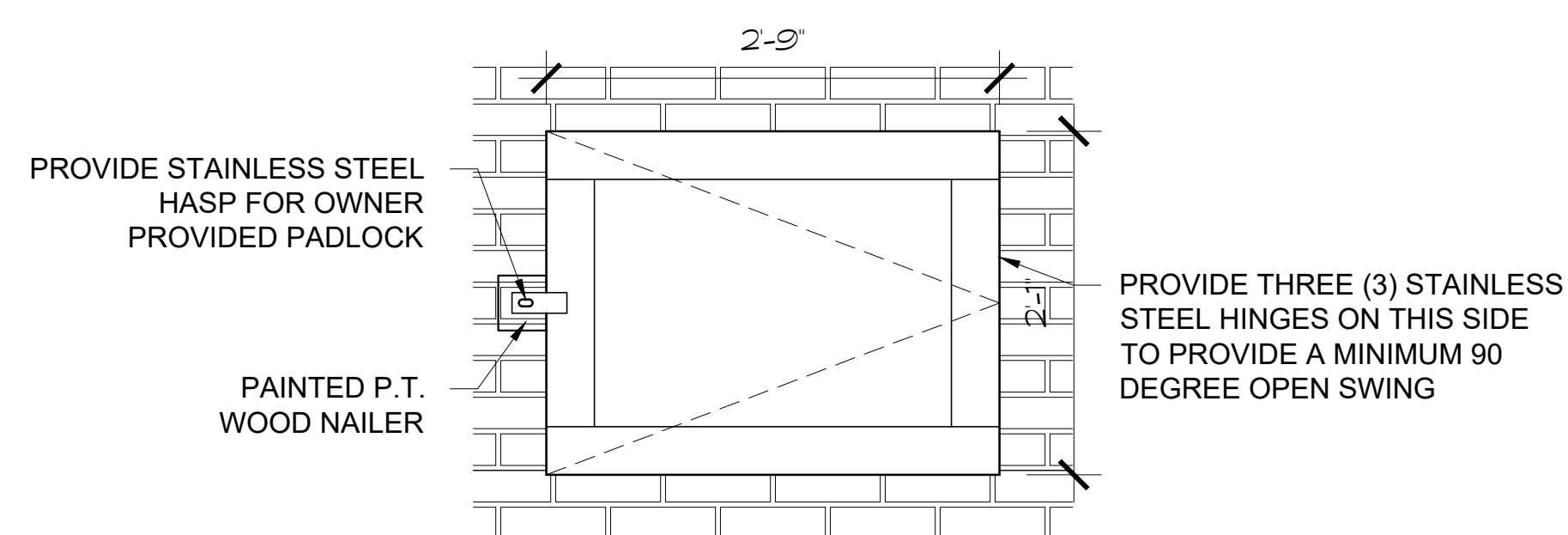
### CRAWLSPACE NOTES:

- REMOVE ALL ABANDONED PIPING, CONDUIT, WIRING, EQUIPMENT, DUCTWORK, ETC. NO LONGER IN USE.
- REPAIR ALL HOLES IN FLOORING TO REMAIN WHERE ITEMS WERE DEMOLISHED TO PROVIDE COMPLETE SEPARATION FROM THE SPACE ABOVE.
- INFILL ANY ENCOUNTERED ERODED SOILS TO PROVIDE THE MOST CONSISTENT GRADED PLANE POSSIBLE IN THE SPACE.
- ENCAPSULATE THE ENTIRE CRAWLSPACE WITH 15 MIL VAPOR BARRIER EQUAL TO STEGO INDUSTRIES, WITH TAPED JOINTS WITH MINIMUM 6" OVERLAP AND TERM BARS AT 3" MAX. BELOW CRAWLSPACE MASONRY HEIGHT.
- R-30 BATT INSULATION SHALL BE PROVIDED BETWEEN ALL FLOOR JOISTS AND SHALL BE SECURED IN PLACE WITH WIRE MESH FABRIC WITH MAX. 1/2" X 1/2" OPENINGS.



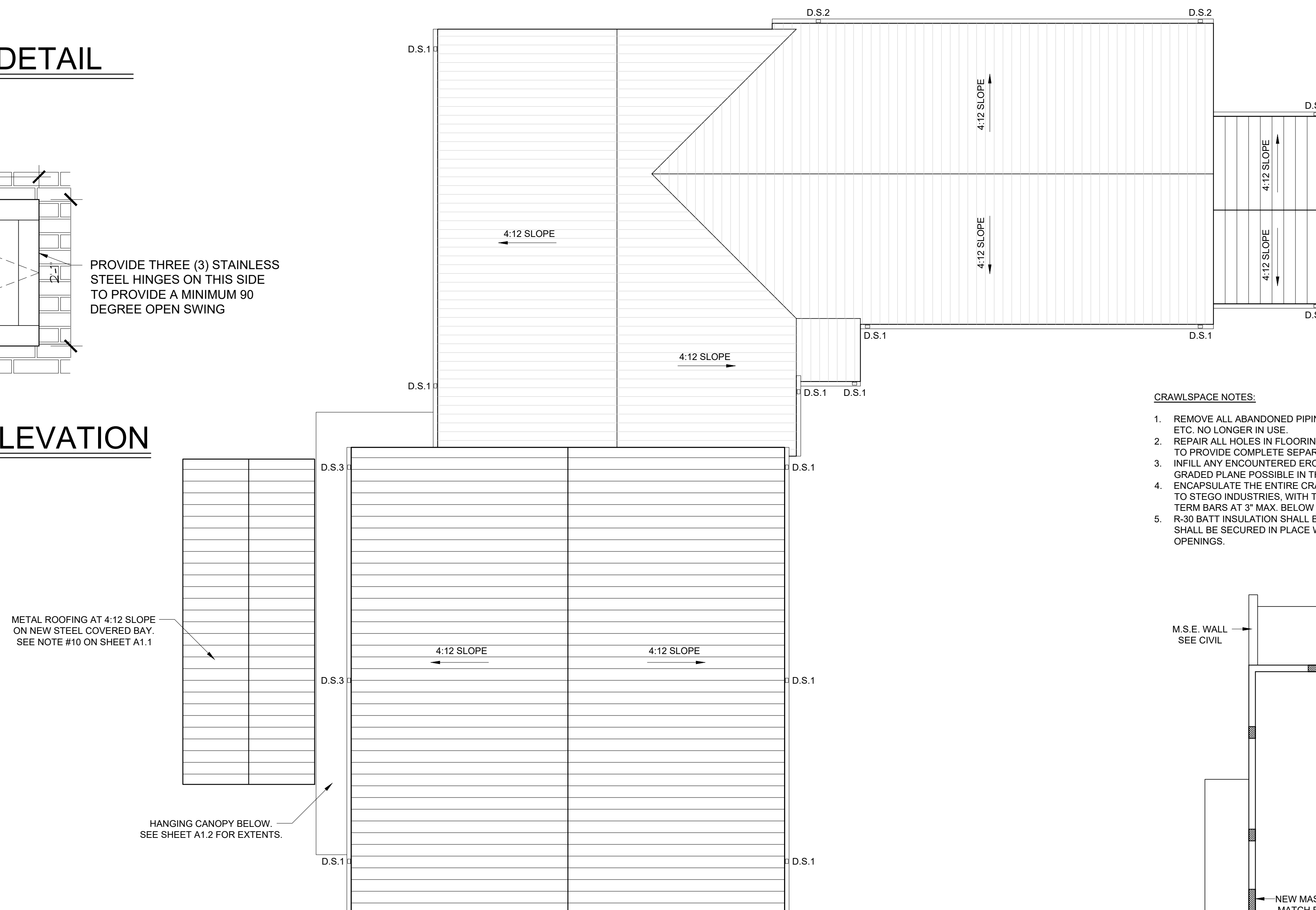
### 3 ACCESS DOOR DETAIL

SCALE: 1" = 1'-0"



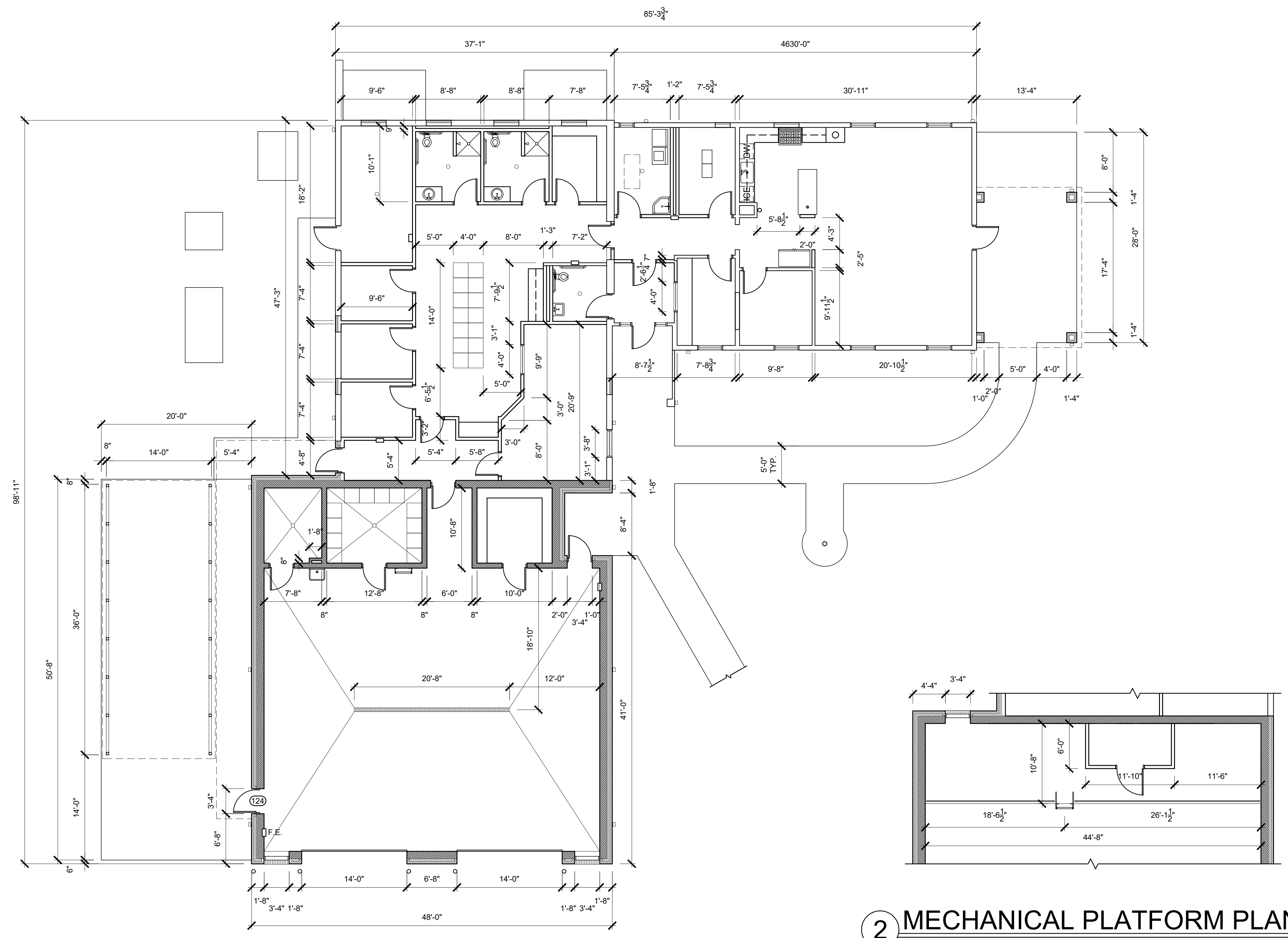
### 4 ACCESS DOOR ELEVATION

SCALE: 1" = 1'-0"



### 2 CRAWLSPACE PLAN

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



**2 MECHANICAL PLATFORM PLAN**  
 SCALE: 1/8" = 1'-0"

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EQUIPMENT & FURNISHINGS LEGEND

- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL Z LINE, 36" WIDE WALL MOUNTED HOOD, PROFESSIONAL STAINLESS 697, WITH GUARDIAN III KITCHEN FIRE SUPPRESSION SYSTEM MODEL G300-A. COORDINATE WITH MECHANICAL.
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL KUCHT, 36" DUAL FUEL MODEL #KRD366F RANGE, WITH GAS CONNECTION HOSE KIT/ASSEMBLY BK RESOURCES MODEL # BKG-GHC-7548-SCK2. COORDINATE WITH MECHANICAL, PLUMBING AND ELECTRICAL.
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL KUCHT, 24" MODEL #K6502D DISHWASHER.
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL MAGIC CHEF, 1.6 CU. FT., 1,100 WATT MODEL #HMM1611ST2 MICROWAVE.
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL SCOTSMAN, SELF-CONTAINED, NUGGET ICE MACHINE MODEL # UN324 WITH OPTIONAL FLOOR MOUNT KIT AS REQUIRED.
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL REGENCY 30" X 72" 16 GAUGE STAINLESS STEEL COMMERCIAL WORK TABLE WITH UNDERSHELF & 5" HEAVY DUTY CASTERS.
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL ANOVA PICNIC TABLE, 8' RECTANGULAR, EXPANDED STEEL, MODEL # F6420.
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL ALDERWOOD DINING TABLE 120" L X 44" W WITH LOGO GRAPHICS, LACQUER FINISH AND WEBSTER BASE WITH TWO BENCHES 120" L X 12" W TO MATCH.
- QUANTITY 3 - CONTRACTOR SHALL PURCHASE AND INSTALL INDOFF NORIX BEDS, TITAN BUNKABLE FRAME STYLE, XL TWIN BED FRAME, MODEL # TNT1811 IN EBONY COLOR WITH HEAD BOARDS, MODEL # TNT0600-BL1, AND FOOT BOARDS, MODEL # TNT0650-BL1, HEAD AND FOOT BOARDS SHALL HAVE BLACK HARDWARE AND WILD CHERRY LAMINATE COLOR SELECTIONS. EACH BED SHALL HAVE A MATTRESS FIRM, MODEL # V000268596, PRESSURE SMART 2.0 FIRM 11" MATTRESS, TWIN XL PRIME SIZE.
- QUANTITY 9 - CONTRACTOR SHALL PURCHASE AND INSTALL INDOFF NORIX, TITAN UNDER BED STORAGE, COMFORT SHIELD DORM, MODEL # TNT7016 (METAL).
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL INDOFF HON 30" X 86" DESK (WITH 24" X 48" LEFT HAND RETURN), MODEL # HONH38291RNS, AND HONH38216LNS IN CHARCOAL COLOR SELECTION.
- QUANTITY 2 - CONTRACTOR SHALL PURCHASE AND INSTALL INDOFF HON TASK CHAIR, MODEL # HONH5715.SB11.T.
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL KUCHT, 36" WIDE MODEL #K748FDS REFRIGERATOR WITH ICE MAKER.
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL INDOFF 36" ROUND CONFERENCE TABLE, MODEL # XT36RD.
- QUANTITY 2 - CONTRACTOR SHALL PURCHASE AND INSTALL INDOFF SLED BASE GUEST CHAIR WITH BLACK FRAME, MODEL # 540BLK.
- QUANTITY 3 - CONTRACTOR SHALL PURCHASE AND INSTALL WOODSTOCK OUTLET, HOME STRETCH, MODEL #186-91-14 ROCKER RECLINERS.
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL BUNN, MODEL #VP17-2 COFFEE MAKER.
- QUANTITY 14 - CONTRACTOR SHALL PURCHASE AND INSTALL PENCO PATRIOT FULLY FRAME WELDED LOCKERS, 24"X24"X72", 16GA. BODIES WITH 18GA. BACKS, 14 GA DOUBLE DOORS WITH STANDARD LOUVERS AND HEAVY DUTY, LATCHING, LOCKABLE CREMONE HANDLE, PROVIDE 16GA. BOXED FINISHED END PANELS AT EXPOSED ENDS AND CONTINUOUS SLOPING HOODS FOR ALL INTERIOR COMPONENTS SHALL INCLUDE HAT SHELF, OFF CENTER PARTITION (45"), 15" COAT ROD AND COAT HOOKS, 9" WIDE SECURITY BOX UNDER HAT SHELF, ONE ADDITIONAL 9" SHELF, FULL WIDTH BOTTOM SHELF AND FULL WIDTH INTERIOR DRAWER BELOW, PROVIDE LOCKERS WITH THE FOLLOWING ACCESSORIES: CELL PHONE/KEY TRAY, MIRROR AND NAME CARD HOLDERS. OWNER SHALL MAKE COLOR SELECTIONS FROM MANUFACTURER'S FULL RANGE. INSTALL LOCKERS ON WOOD FRAMED BASE OF 2X4'S AT EVERY 16" O.C. MAX WITH 5/8" PLYWOOD TOP. FRAMING SHALL BE INSET FROM TOTAL LOCKER DIMENSIONS 3/4" ON ALL SIDES.
- QUANTITY 2 - CONTRACTOR SHALL PURCHASE AND INSTALL PENCO WOOD BENCH WITH STAINLESS STEEL PEDESTALS, 36" WOOD TOP MODEL # 9611, STAINLESS STEEL PEDESTALS AND HARDWARE MODEL # 60827H WITH NON-SKID KIT MODEL # 68420.
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL SPEED QUEEN, MODEL #TCS TOP LOAD WASHER WITH SPEED QUEEN CLASSIC CLEAN AND MODEL #DC5 SANITIZING ELECTRIC DRYER WITH EXTENDED TUMBLE.
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL SAMSUNG, 75" CLASS TU690T TELEVISION AND APPROPRIATELY SIZED WALL MOUNT.
- QUANTITY 2 - CONTRACTOR SHALL PURCHASE AND INSTALL SAMSUNG, 73" CLASS CU7000 TELEVISION AND APPROPRIATELY SIZED WALL MOUNT.
- QUANTITY 5 - CONTRACTOR SHALL PURCHASE AND INSTALL FAB GLASS, 48" X 84", MIRROR PANELS AND ALL ASSOCIATED ACCESSORIES AND HARDWARE REQUIRED.
- QUANTITY 2 - CONTRACTOR SHALL PURCHASE AND INSTALL GLOBAL INDUSTRIAL, 24" OSCILLATING WALL MOUNT FAN, 3 SPEED, 7525 CFM, 1/4 HP, ITEM # WB607050.
- QUANTITY 12 - CONTRACTOR SHALL PURCHASE AND INSTALL GROVES INC. READY RACK, WALL MOUNTED RED RACK GEAR LOCKERS, 24"W X 20"D X 72"H PER COMPARTMENT, ALL UNITS SHALL BE COMPLETE WITH STANDARD OPTIONS INCLUDING: ADJUSTABLE BOOT SHELF, ADJUSTABLE HELMET SHELF, HANGING POLE THE LENGTH OF THE UNIT, TWO APPEAL HOOKS PER LOCKER AND ONE NAME PLATE PER LOCKER.
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL READY RACK, WALL RACK ORGANIZER MODEL # WRO, FIELD LOCATE MOUNTING LOCATION WITH OWNER PRIOR TO INSTALLATION.
- QUANTITY 1 - CONTRACTOR SHALL PURCHASE AND INSTALL SEVILLE, CLASSICS ULTRA GRAPHITE WOOD TOP WORKBENCH ON WHEELS WITH SLIDING ORGANIZER DRAWER TABLE, 48" LONG, SATIN GRAPHITE COLOR SELECTION.
- QUANTITY 3 - CONTRACTOR SHALL PURCHASE AND INSTALL FURNITURE MADE IN THE USA, PLANTATION LUMBAR ROCKER TC-#970, GERANIUM RED, ROCKING CHAIRS.
- QUANTITY 2 - CONTRACTOR SHALL PURCHASE AND INSTALL ACORN ENGINEERING PRODUCTS, 36" X 36" ID TERRAZZO ADA SHOWER BASE, MODEL # SBADA-36-3F.
- CONTRACTOR SHALL PURCHASE AND INSTALL EXERCISE EQUIPMENT FROM PREMIER FITNESS SOURCE AT 108 SMOKEHILL LANE, SUITE 100, WOODSTOCK GA 30188, PHONE: 770-908-0000. IN THE QUANTITIES AND DESCRIPTIONS NOTED IN THE TABLE ON THIS SHEET, CONFIRM LAYOUT OF EQUIPMENT WITH OWNER PRIOR TO INSTALLATION.

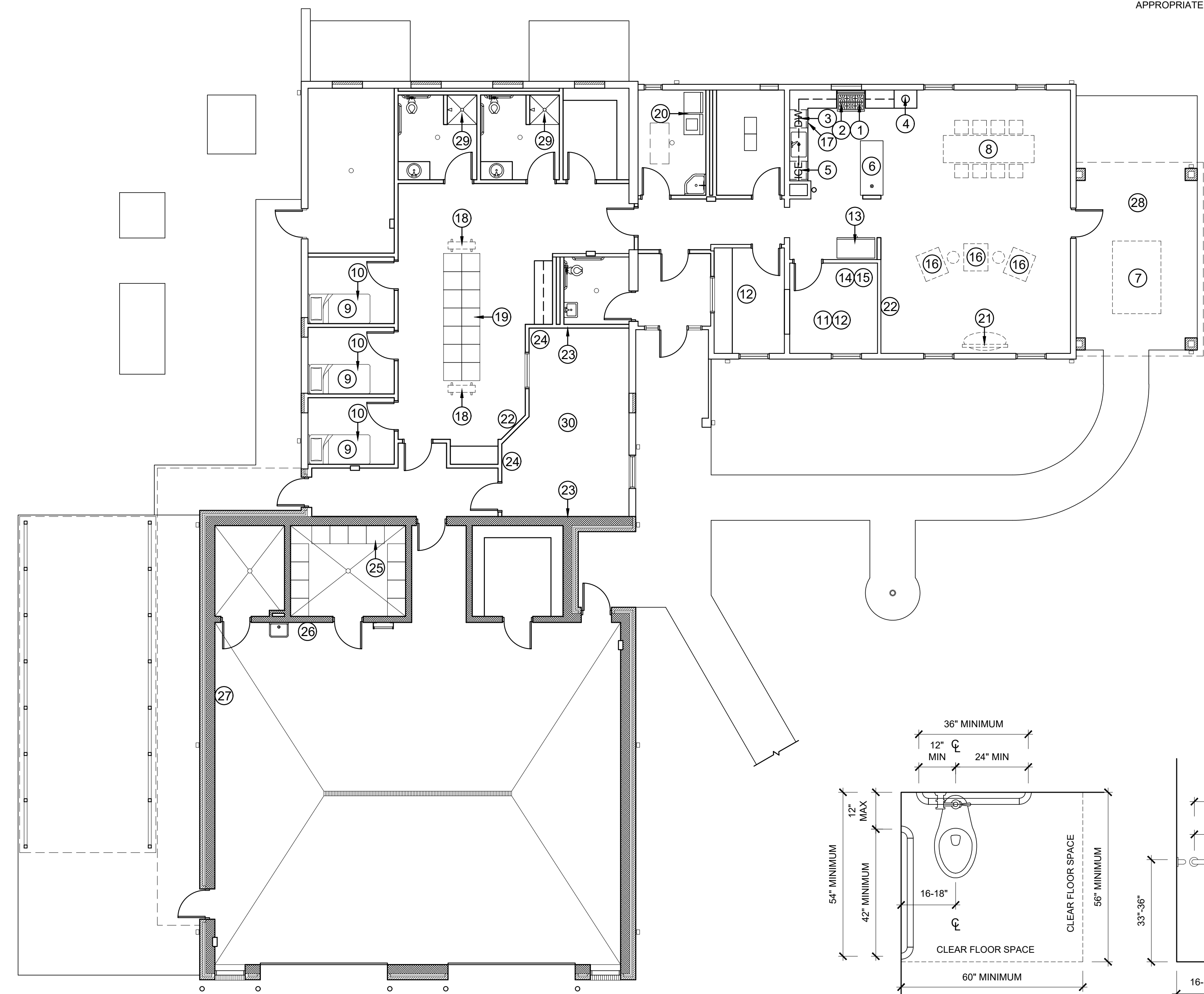
EQUIPMENT NOTES:

- COORDINATE ALL FINAL EQUIPMENT LOCATIONS WITH OWNER.
- FIELD VERIFY ALL EQUIPMENT QUANTITIES.
- PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED ITEMS.
- SEVERAL ITEMS SUCH AS REFRIGERATORS, WASHERS AND DRYERS, GEAR EXTRACTOR WASHER, GEAR DRYER, BREATHING AIR SYSTEMS, TELEVISIONS, DEDICATION PLAQUES, ETC. WILL BE OWNER PROVIDED AND CONTRACTOR INSTALLED.

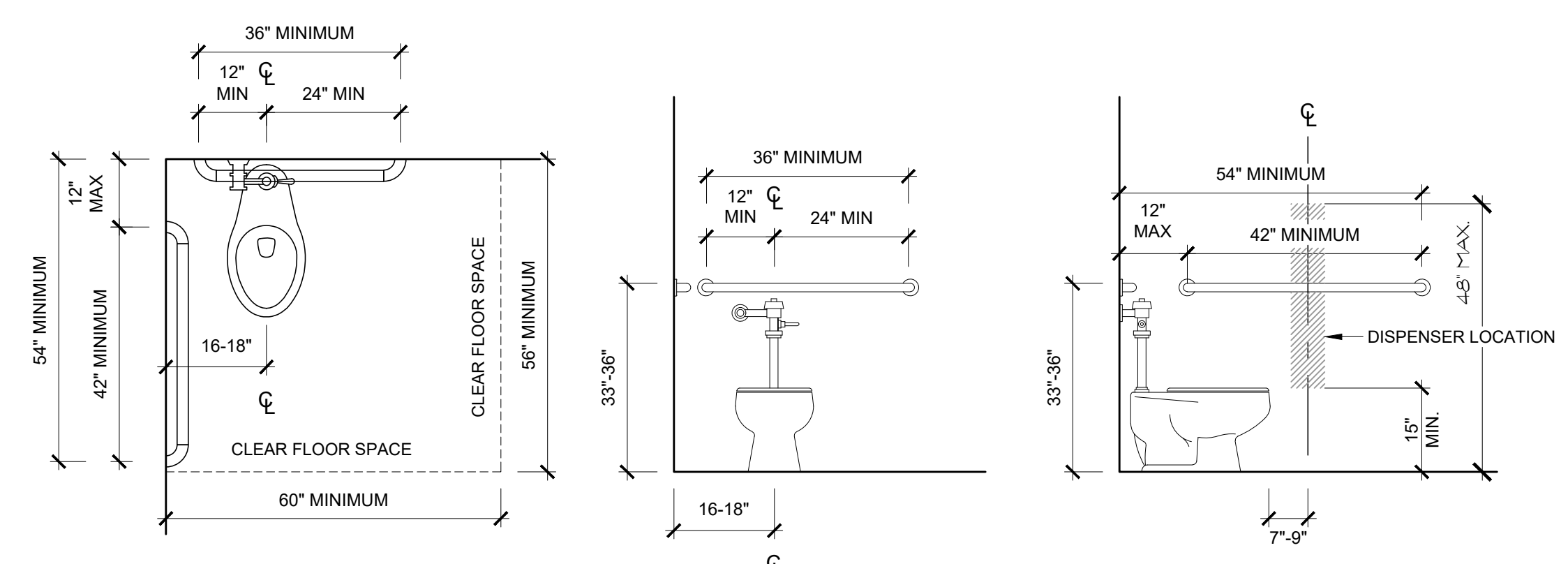
SCHEDULE of TOILET ACCESSORIES			
ITEM	MFR.	HEIGHT	LOCATION
A 42" GRAB BARS AT SIDE WALL OF WATER CLOSETS	BOBRICK B-5806-42	33" to CENTERLINE ABOVE FINISH FLOOR	PROVIDE ONE AT EVERY H.C. TOILET
B 36" GRAB BARS AT REAR WALL OF WATER CLOSETS	BOBRICK B-5806-36	33" to CENTERLINE ABOVE FINISH FLOOR	PROVIDE ONE AT EVERY H.C. TOILET
C TISSUE PAPER DISPENSER	GP 56748 & BOBR. B-265	VARIABLES - COORDINATE WITH OWNER AND VERIFY WITH MANUFACTURER'S REQUIREMENTS	PROVIDE GP 56748 AT ROOM 103 PROVIDE BOBRICK B-265 AT ROOMS 111 & 112
D SEAT COVER DISPENSER	BOBRICK B-221	INSTALL PER MANUFACTURER'S DETAILS	PROVIDE ONE AT EVERY TOILET
E BABY CHANGING STATION	KOALA KARE KB200	INSTALL PER MANUFACTURER'S DETAILS	PROVIDE ONE AT ROOM 101, 201, 202, 203 & 204
F MIRROR	BOBRICK B-5806-42	40" to BOTTOM of MIRROR ABOVE FLOOR	PROVIDE ONE ABOVE EVERY LAVATORY
G SOAP DISPENSER	GA. PACIFIC 52060	40" to BOTTOM of DISPENSER ABOVE FINISH FLOOR (VERIFY WITH MANUFACTURER'S REQUIREMENTS)	PROVIDE ONE AT EVERY SINK
H ROBE HOOK	BOBRICK B-6707	48" to TOP MAX. ABOVE FINISH FLOOR	PROVIDE ONE AT EVERY TOILET AND EVERY SHOWER
I UTILITY SHELF w/ MOP HOLDERS	BOBRICK B-239 x 34	INSTALL PER MANUFACTURER'S DETAILS	PROVIDE ONE AT EVERY MOP BASIN
J PAPER TOWEL DISPENSER	GA. PACIFIC 59466A	60" to TOP of DISPENSER ABOVE FINISH FLOOR (VERIFY WITH MANUFACTURER'S REQUIREMENTS)	PROVIDE ONE AT EVERY SINK PROVIDE GA. PACIFIC 59459 RECESS KIT AS REQ'D.
K REVERSIBLE FOLDING SHOWER SEAT	BOBRICK B-5181	18" ABOVE FINISH FLOOR to TOP OF SEAT	PROVIDE ONE AT ROOM 105 PROVIDE BLOCKING ONLY AT ALL OTHER SHOWERS
L TWO WALL SHOWER GRAB BAR	BOBRICK B-6861	33" to CENTERLINE ABOVE FINISH FLOOR	PROVIDE ONE AT ROOM 105 PROVIDE BLOCKING ONLY AT ALL OTHER SHOWERS
M EXTRA HEAVY DUTY SHOWER CURTAIN ROD	BOBRICK B-6047	PROVIDE WITH BOBRICK 204 CURTAIN & HOOKS INSTALL PER MANUFACTURER'S DETAILS	PROVIDE ONE AT EVERY SHOWER
N FOLDING DRESSING AREA SEAT	BOBRICK B-5193	18" ABOVE FINISH FLOOR to TOP OF SEAT	PROVIDE ONE AT EVERY SHOWER ROOM

TOILET ACCESSORIES NOTES:

- COORDINATE ALL FINAL MOUNTING HEIGHTS/LOCATIONS WITH OWNER. COMPLY WITH ALL REQUIREMENTS OF A.D.A. INSTALLATIONS GUIDELINES AND MANUFACTURER'S RECOMMENDATIONS.
- FIELD VERIFY ALL FURNITURE QUANTITIES.
- PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED ITEMS.



QUANTITY	MODEL #	DESCRIPTION
1	XF PR-HLP	XERT FITNESS PR-HLP POWER RACK WITH PLATE LOADED HI-LOW PULLEY, LEG HOLD DOWN, LAT BAR AND CURL BAR & (8) WEIGHT HORNS
1	BS TBR50	BODY SOLID T-BAR ROW/LANDMINE BASE, DUAL SWIVEL, ROPE ANCHOR
1	XF R-PT2	XERT FITNESS R-PT2 OLYMPIC/BUMPER PLATE RACK WITH 2" BAR HOLDERS
1	XF FID-400	XERT FITNESS FID-400 FLAT INCLINE DECLINE BENCH WITH 7 POSITIONS, OPTIONAL LEG EXTENSION/CURL & PREACHER CURL AVAILABLE
1	YOLEO	YOLEO ADJUSTABLE DIP BAR - 110LBS DIP STATION, PORTABLE FUNCTIONAL FITNESS BAR WITH SAFETY CONNECTOR
1	XF RXB-030	XERT FITNESS 30LB RUBBER KETTLEBELL WITH CHROME HANDLE
1	XF RXB-035	XERT FITNESS 35LB RUBBER KETTLEBELL WITH CHROME HANDLE
1	XF RXB-040	XERT FITNESS 40LB RUBBER KETTLEBELL WITH CHROME HANDLE
1	XF RXB-045	XERT FITNESS 45LB RUBBER KETTLEBELL WITH CHROME HANDLE
1	XF RXB-050	XERT FITNESS 50LB RUBBER KETTLEBELL WITH CHROME HANDLE
4	XF OPR-010	XERT FITNESS 10LB OLYMPIC RUBBER PLATE
2	XF OPR-025	XERT FITNESS 25LB OLYMPIC RUBBER PLATE
2	XF OPR-035	XERT FITNESS 35LB OLYMPIC RUBBER PLATE
4	XF OPR-045	XERT FITNESS 45LB OLYMPIC RUBBER PLATE
1	XF HX-60	XERT FITNESS 60" HEX TRAP BAR WITH 25MM GRIP
1	XF OCB-47C	XERT FITNESS 47" OLYMPIC CHROME CURL BAR WITH 28MM GRIP
2	P 400-710-110	PRISM FITNESS STRENGTH BAND XX-LIGHT (RED) 5-35LB
2	P 400-710-111	PRISM FITNESS STRENGTH BAND X-LIGHT (BLACK) 10-50LB
2	P 400-710-112	PRISM FITNESS STRENGTH BAND LIGHT (PURPLE) 25-80LB
2	P 400-710-113	PRISM FITNESS STRENGTH BAND MEDIUM (GREEN) 50-120LB
2	P 400-710-114	PRISM FITNESS STRENGTH BAND HEAVY (BLUE) 60-150LB
2	P 400-710-115	PRISM FITNESS STRENGTH BAND X-HEAVY (ORANGE) 70-175LB
2	XF AOB-1000	XERT FITNESS 7" BLACK OXIDE OLYMPIC BAR (ALLOY STEEL) WITH 1000LB CAPACITY & 28MM GRIP, 4 NEEDLE BEARINGS (2 EACH SIDE) + BRONZE BUSHINGS
1	XF R-HDB3	XERT FITNESS R-HDB3 HORIZONTAL DUMBBELL RACK WITH 3 TIERS
1	XF RHD-550	XERT FITNESS 5-50LB RUBBER HEX DUMBBELL SET (5LB INCREMENTS)
1	XF AIRBIKE	XERT FITNESS AIRBIKE WITH 16 FAN BLADES, INTEGRATED WIND GUARD, AND LCD DISPLAY
1	TKO AR ROWER	TKO AIRRAID ROWER



2 A.D.A. INSTALLATION GUIDELINES

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**GENERAL ELEVATION NOTES:**

- \*LANDSCAPING NOT SHOWN FOR ELEVATIONAL CLARITY.
- \*ALL EXISTING BRICK VENEER TO REMAIN SHALL BE UNPAINTED.
- \*NEW BRICK MATERIALS USED MUST MATCH EXISTING BRICK VENEER IN SIZE, FINISH, AND COLOR.
- \*WHERE EXISTING MATERIALS ARE PATCHED WITH NEW, PROVIDE A SEAMLESS TRANSITION WHENEVER POSSIBLE.
- \*ALL NEW OR PATCHED CONCRETE FLATWORK MUST SLOPE AWAY FROM THE BUILDING.

**KEYED ELEVATION NOTES:**

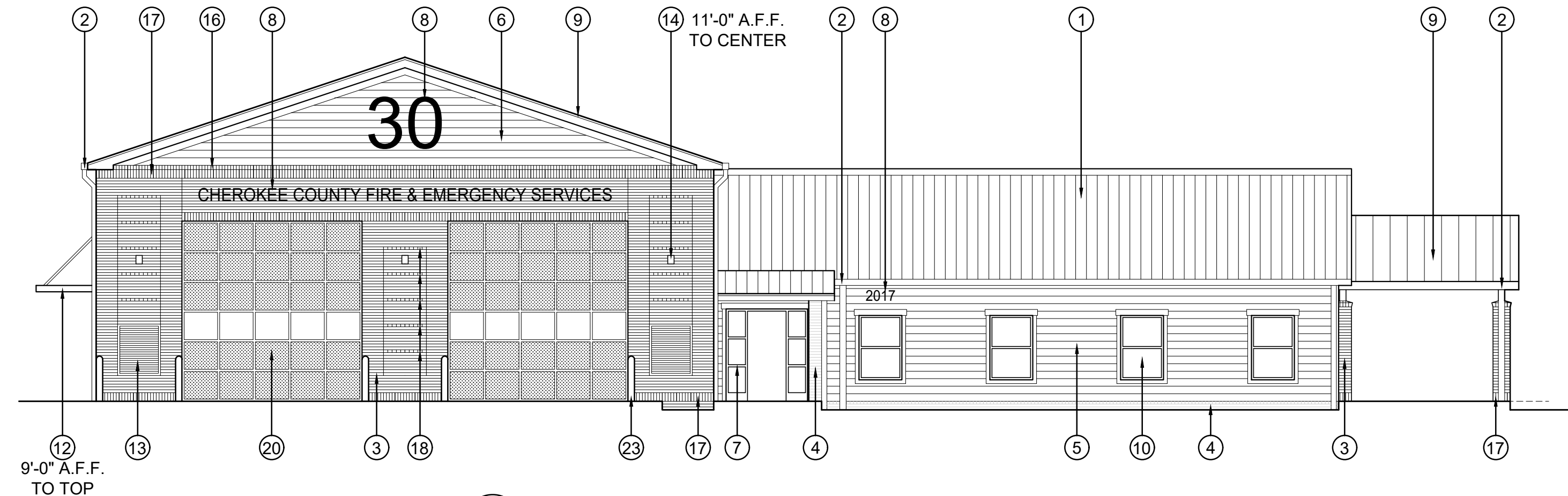
- 1 EXISTING ROOFING, PANELS, TRIM, FLASHING, ETC. TO BE REPAINTED. OWNER AND ARCHITECT SHALL SELECT ONE MAIN COLOR AND UP TO TWO ACCENT COLORS FROM MANUFACTURER'S FULL RANGE.
- 2 NEW PREFINISHED GUTTER AND DOWNSPOUTS.
- 3 NEW BRICK VENEER TO MATCH EXISTING.
- 4 EXISTING BRICK VENEER TO REMAIN. THOROUGHLY CLEAN AND REPOINT JOINTS AS REQUIRED.
- 5 EXISTING CEMENTITIOUS BOARD SIDING TO BE PAINTED. OWNER AND ARCHITECT SHALL SELECT ONE MAIN COLOR AND UP TO THREE ACCENT COLORS FROM MANUFACTURER'S FULL RANGE.
- 6 NEW CEMENTITIOUS BOARD SIDING EQUAL TO JAMES HARDIE PRODUCTS TO BE PAINTED. OWNER AND ARCHITECT SHALL SELECT ONE MAIN COLOR AND UP TO THREE ACCENT COLORS FROM MANUFACTURER'S FULL RANGE.
- 7 NEW PREFINISHED ALUMINUM STOREFRONT ENTRANCE SYSTEM.

**KEYED ELEVATION NOTES (CONTINUED):**

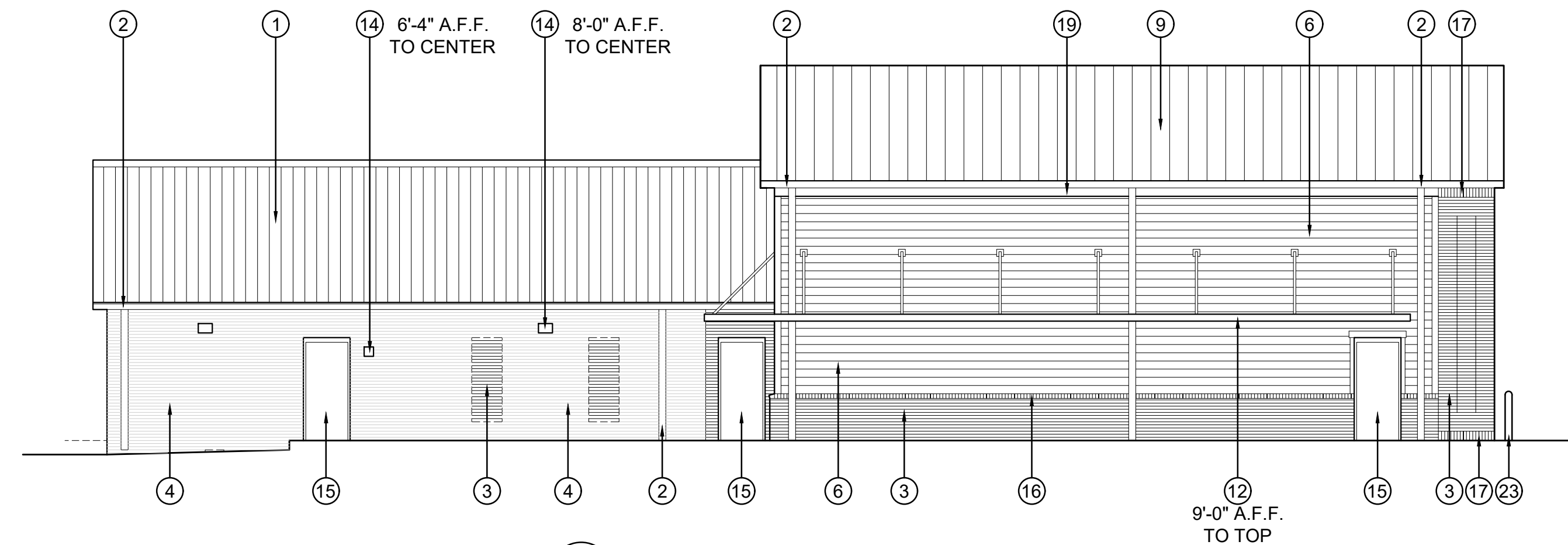
- 8 NEW CAST ALUMINUM BUILDING SIGNAGE MOUNTED ON STAND-OFFS. STATION NUMBER 48" TALL MIN., TITLE LETTERING 12" TALL MIN., ADDRESS LETTERING 10" TALL MIN. OWNER SHALL APPROVE FINAL SIGNAGE WORDING AND FONT TYPE.
- 9 NEW PREFINISHED METAL ROOFING, PANELS, TRIM, FLASHING, ETC. OWNER AND ARCHITECT SHALL SELECT ONE MAIN COLOR AND UP TO TWO ACCENT COLORS FROM MANUFACTURER'S FULL RANGE.
- 10 NEW PREFINISHED ALUMINUM STOREFRONT WINDOW WITH NEW CEMENTITIOUS TRIM BOARDS.
- 11 NEW PREFINISHED ALUMINUM STOREFRONT WINDOW ON NEW BRICK ROWLOCK SILL WITH NEW BRICK SOLDIER HEAD.
- 12 NEW HANGING ALUMINUM CANOPY SYSTEM.
- 13 NEW MECHANICAL LOUVER OR FAN. SEE MECHANICAL DRAWINGS. OWNER AND ARCHITECT SHALL SELECT COLOR FROM MANUFACTURER'S FULL RANGE.
- 14 NEW WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.

**KEYED ELEVATION NOTES (CONTINUED):**

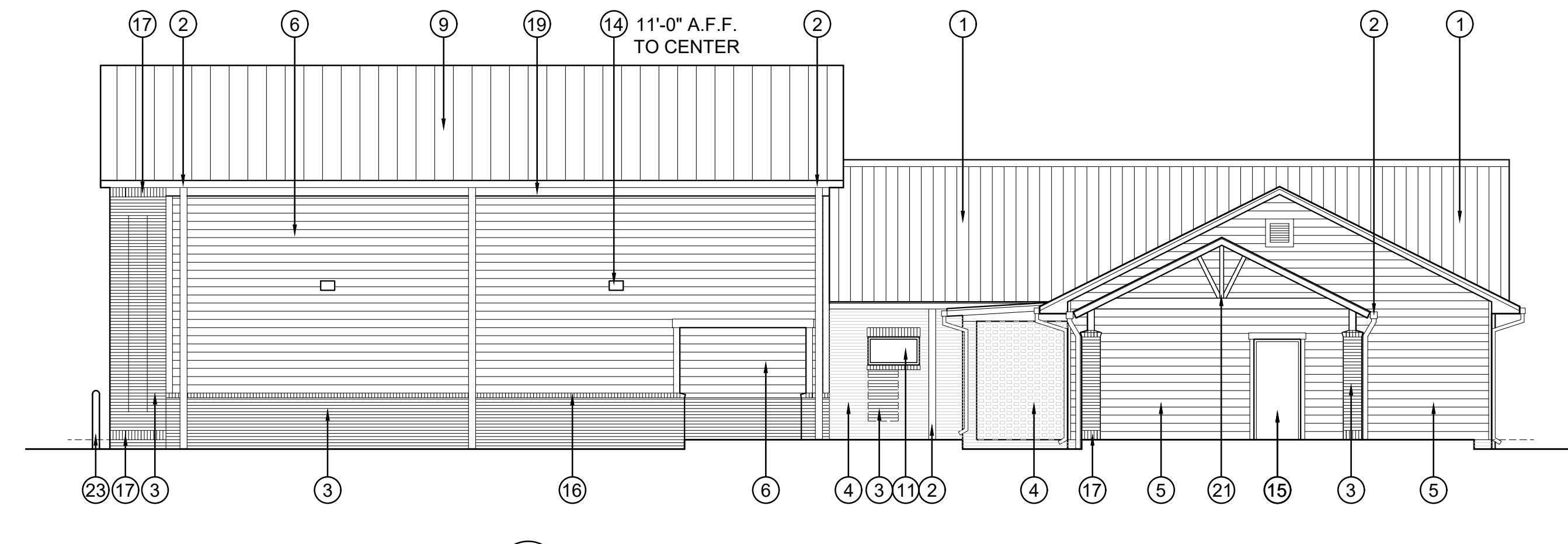
- 15 NEW HOLLOW METAL DOOR AND FRAME (SEE SCHEDULE) WITH NEW CEMENTITIOUS TRIM BOARDS.
- 16 NEW BRICK ROWLOCK.
- 17 NEW BRICK SOLDIER COURSE.
- 18 NEW BRICK ACCENT HEADER COURSE.
- 19 NEW CEMENTITIOUS PERIMETER TRIM AND FASCIA BOARDS.
- 20 NEW SECTIONAL OVERHEAD DOOR SYSTEM WITH SOLID PANELS AND GLASS PANELS AS SHOWN.
- 21 NEW COVERED PATIO, PAINT EXPOSED STRUCTURE.
- 22 NEW CRAWLSPACE ACCESS DOOR.
- 23 NEW PIPE BOLLARD WITH COVER, SEE DETAIL.



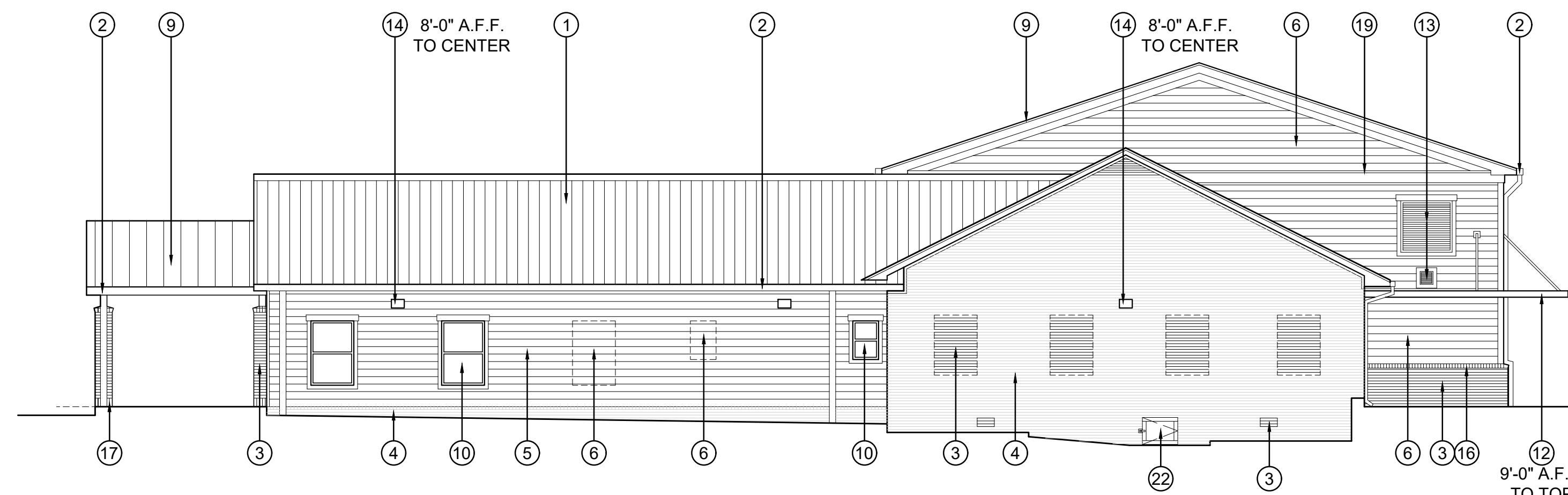
**1 SOUTH ELEVATION**  
SCALE: 1/8" = 1'-0"



**2 WEST ELEVATION**  
SCALE: 1/8" = 1'-0"



**3 EAST ELEVATION**  
SCALE: 1/8" = 1'-0"



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

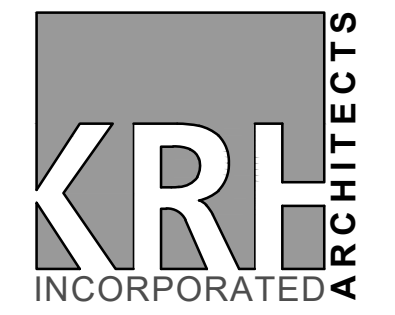
FOR CONSTRUCTION

PROJECT NUMBER  
**23-017**

DATE  
**03/13/24**

REVISIONS  
NO. DATE  
0000 00/00/00

FACILITY CODE  
**000-0000**



855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS



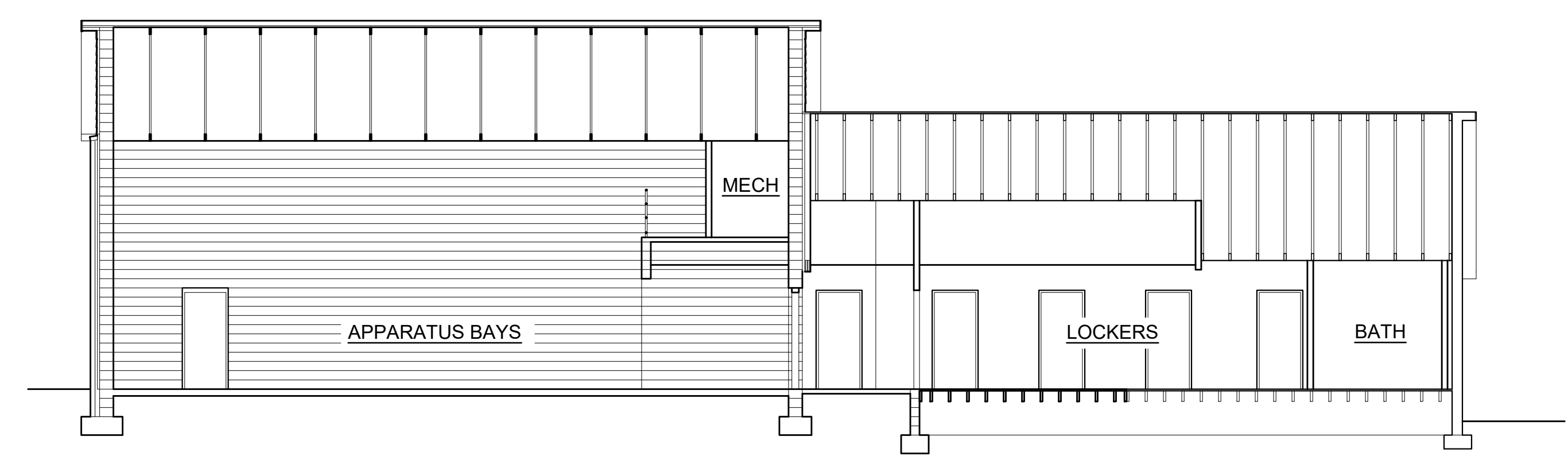
SHEET INDEX  
ELEVATIONS

SHEET INDEX

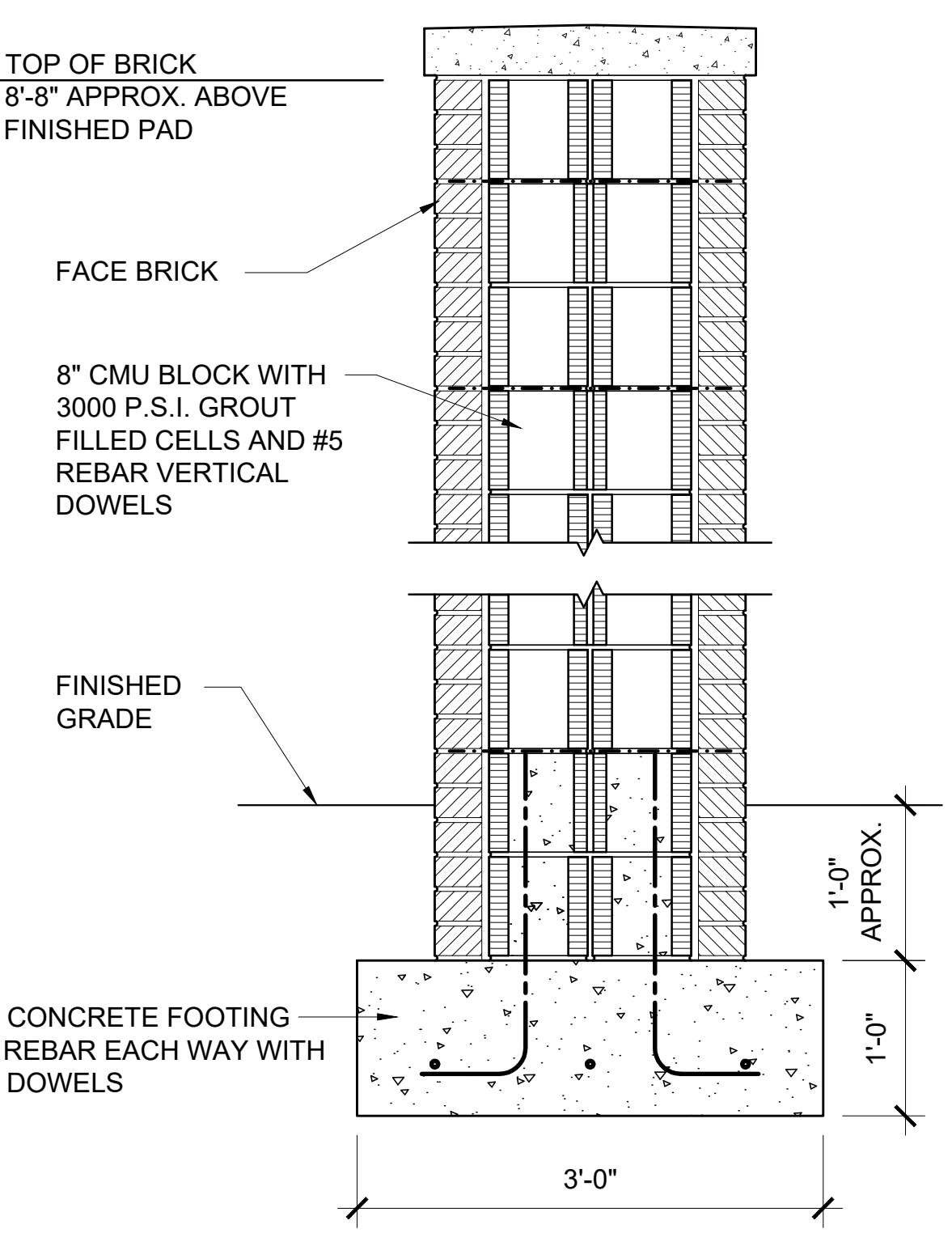
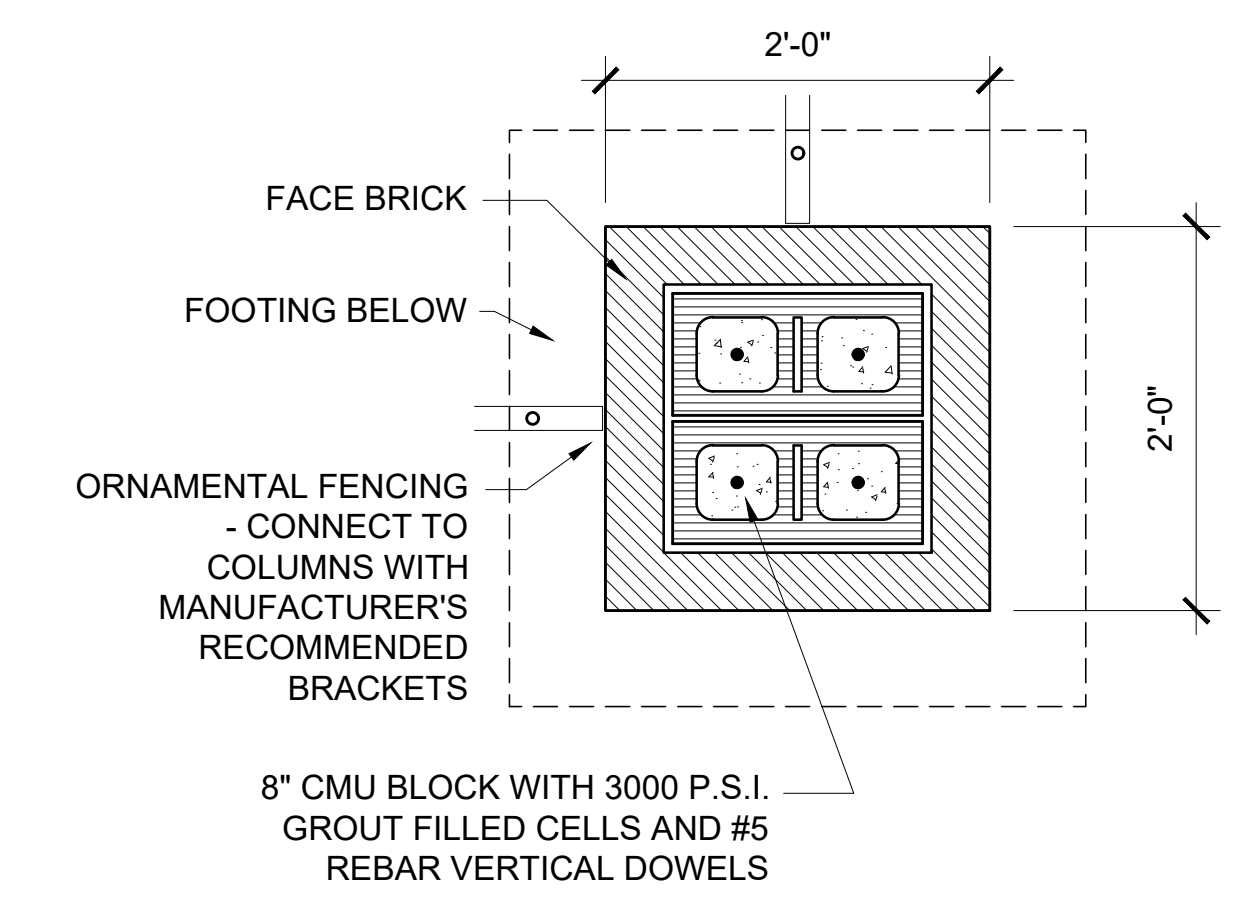
**A2.1**

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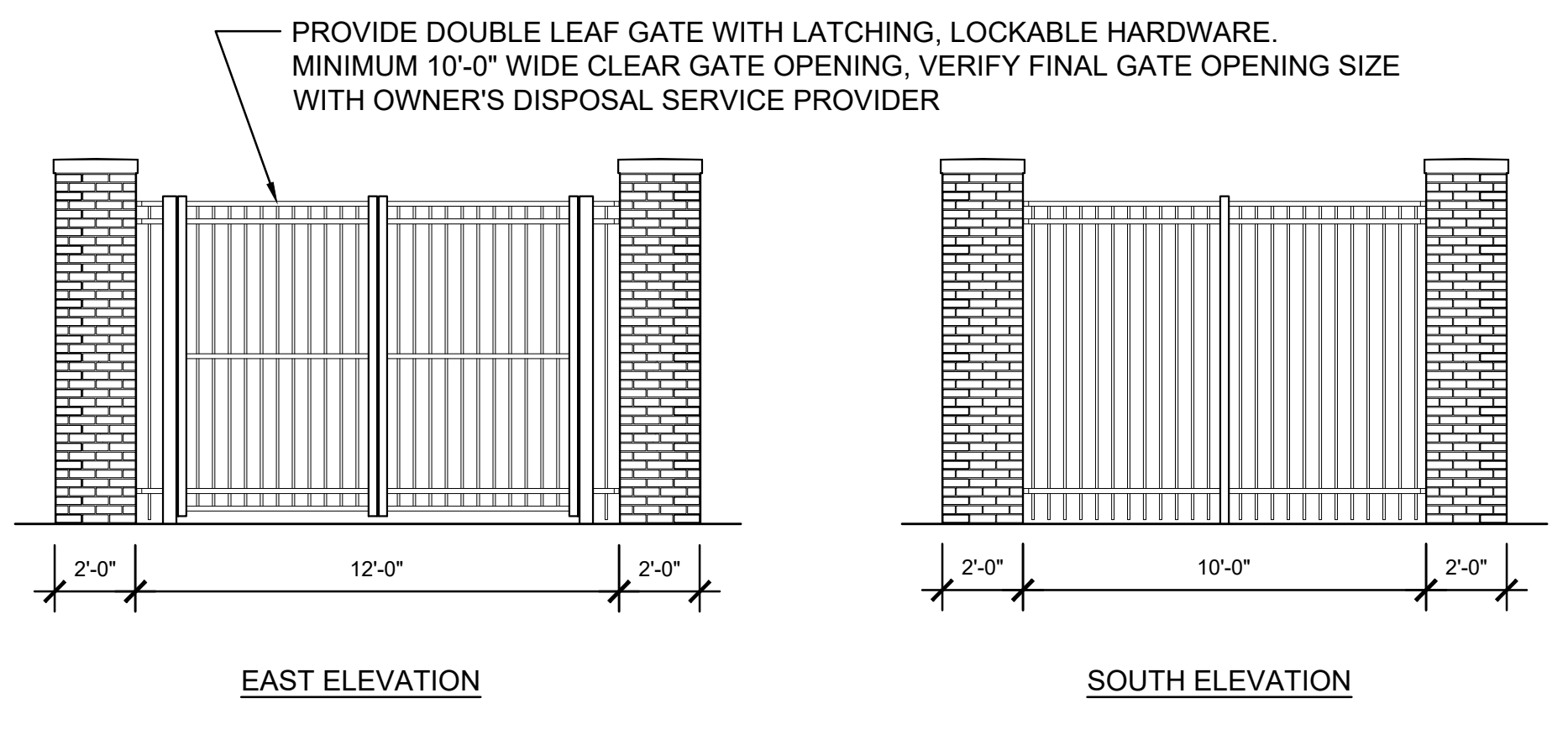
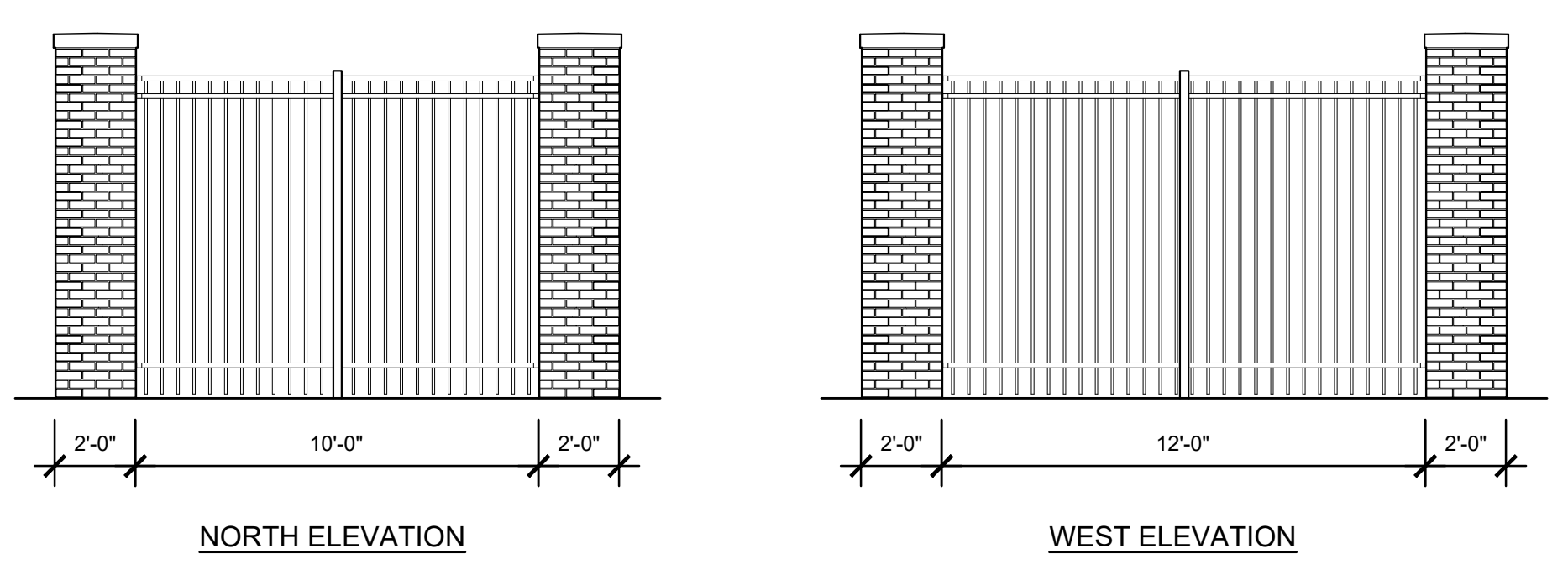
REVISIONS	
NO.	DATE
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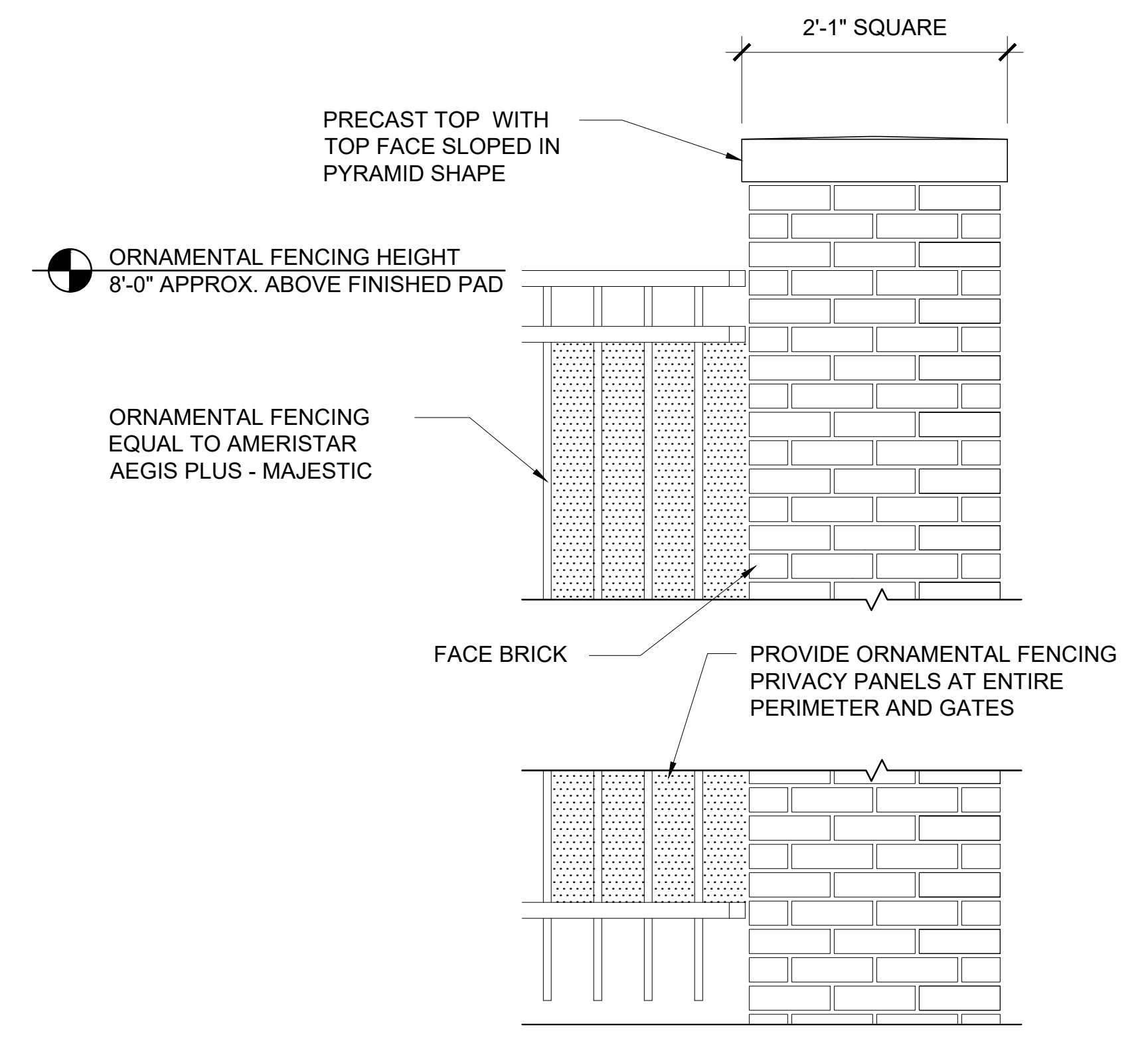
**1 BUILDING SECTION**  
SCALE: 1/8" = 1'-0"



**4 COLUMN DETAILS**  
SCALE: 1" = 1'-0"



**2 ENCLOSURE ELEVATIONS**  
SCALE: 1/4" = 1'-0"



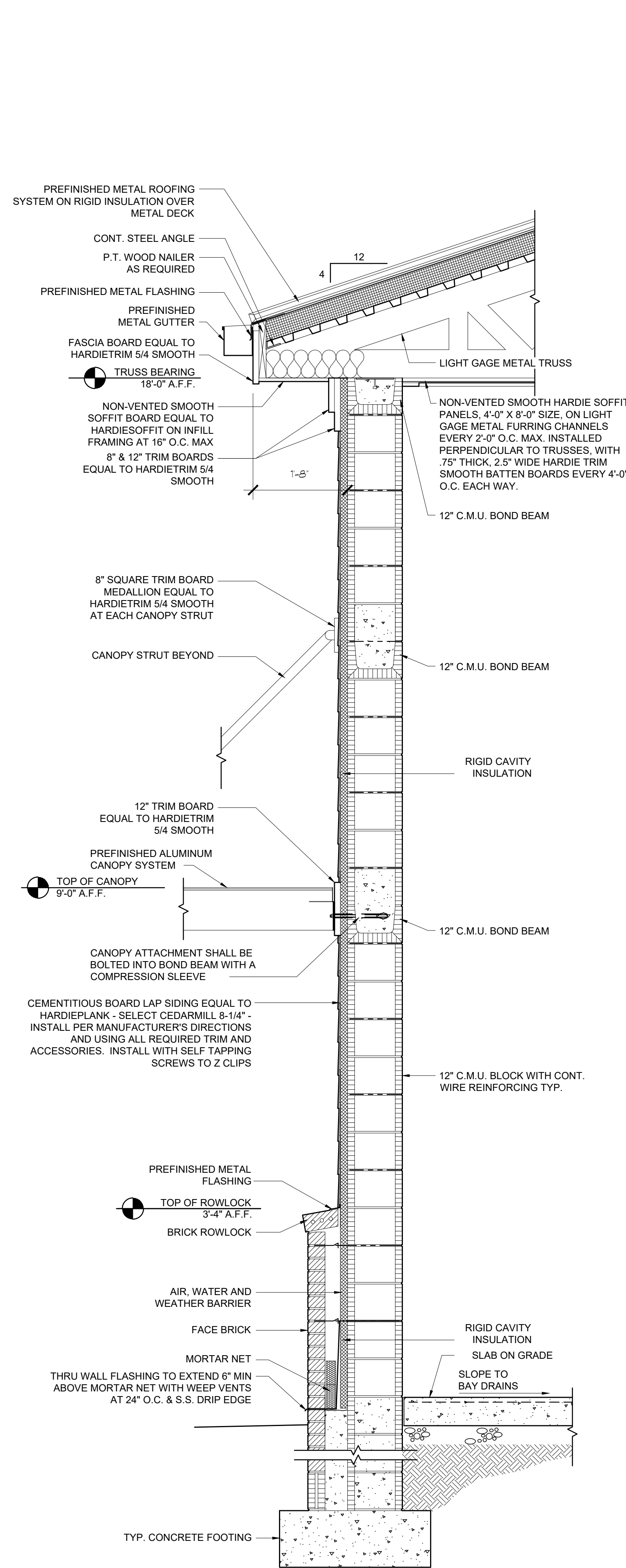
**3 ELEVATION DETAIL**  
SCALE: 1" = 1'-0"

FOR CONSTRUCTION

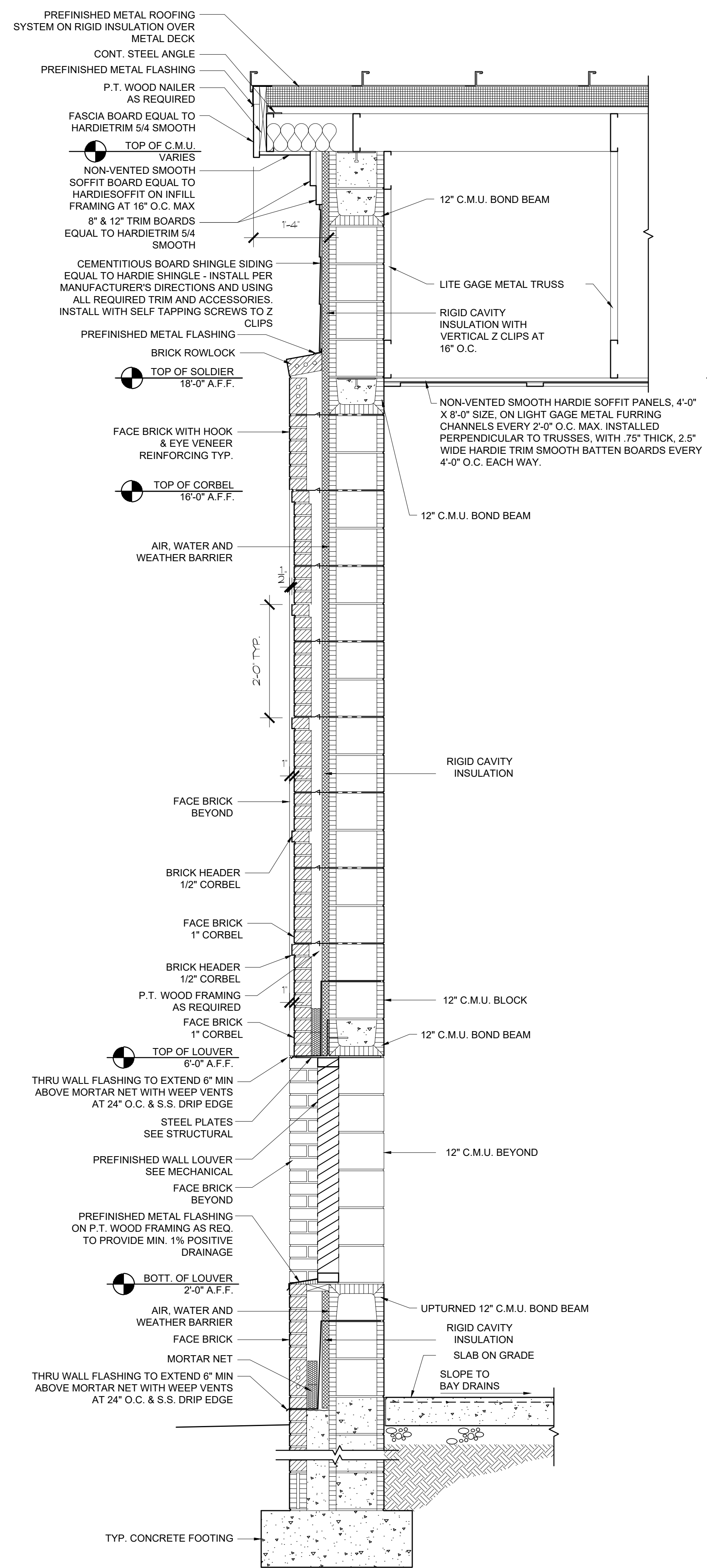
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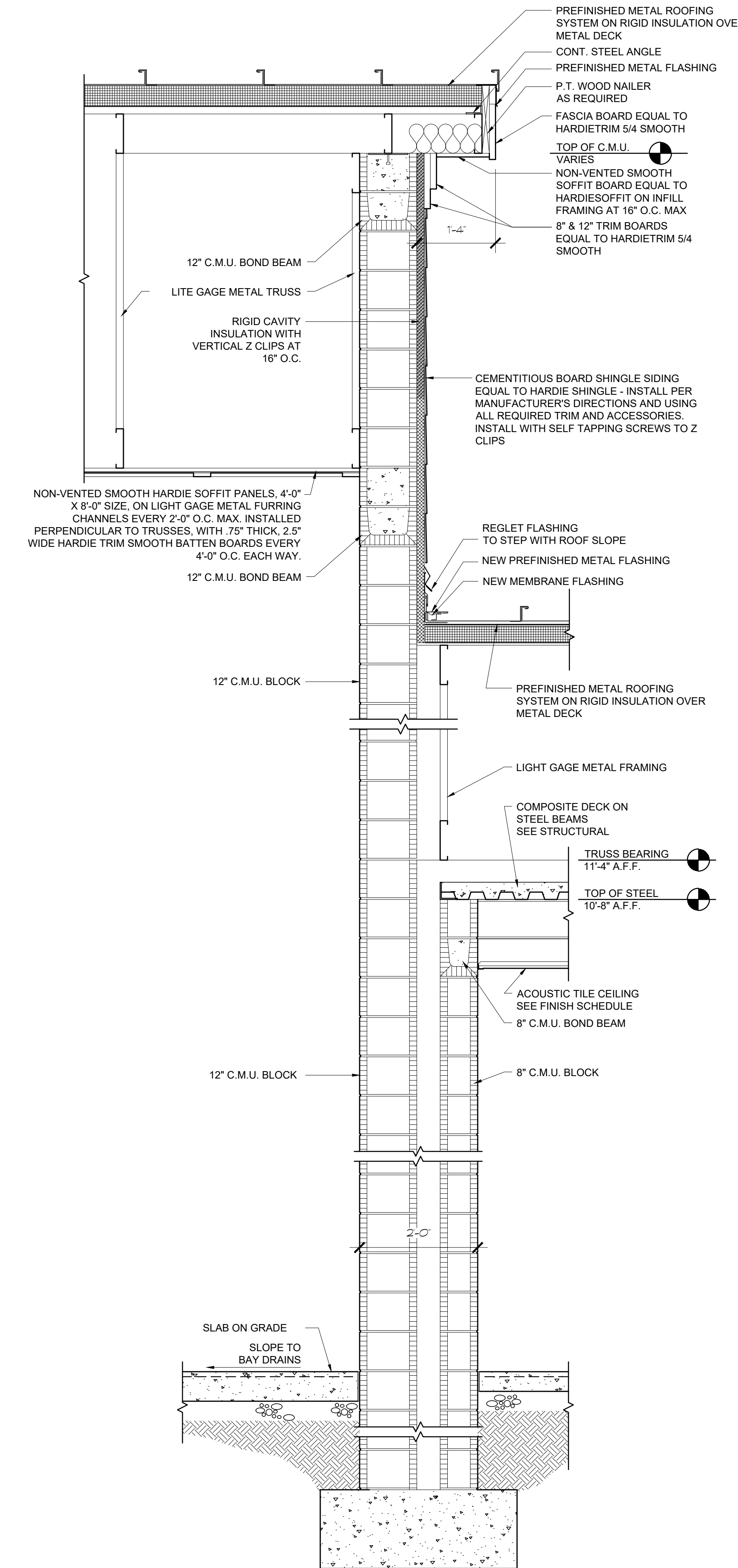
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**1 WALL SECTION**  
SCALE: 3/4" = 1'-0"

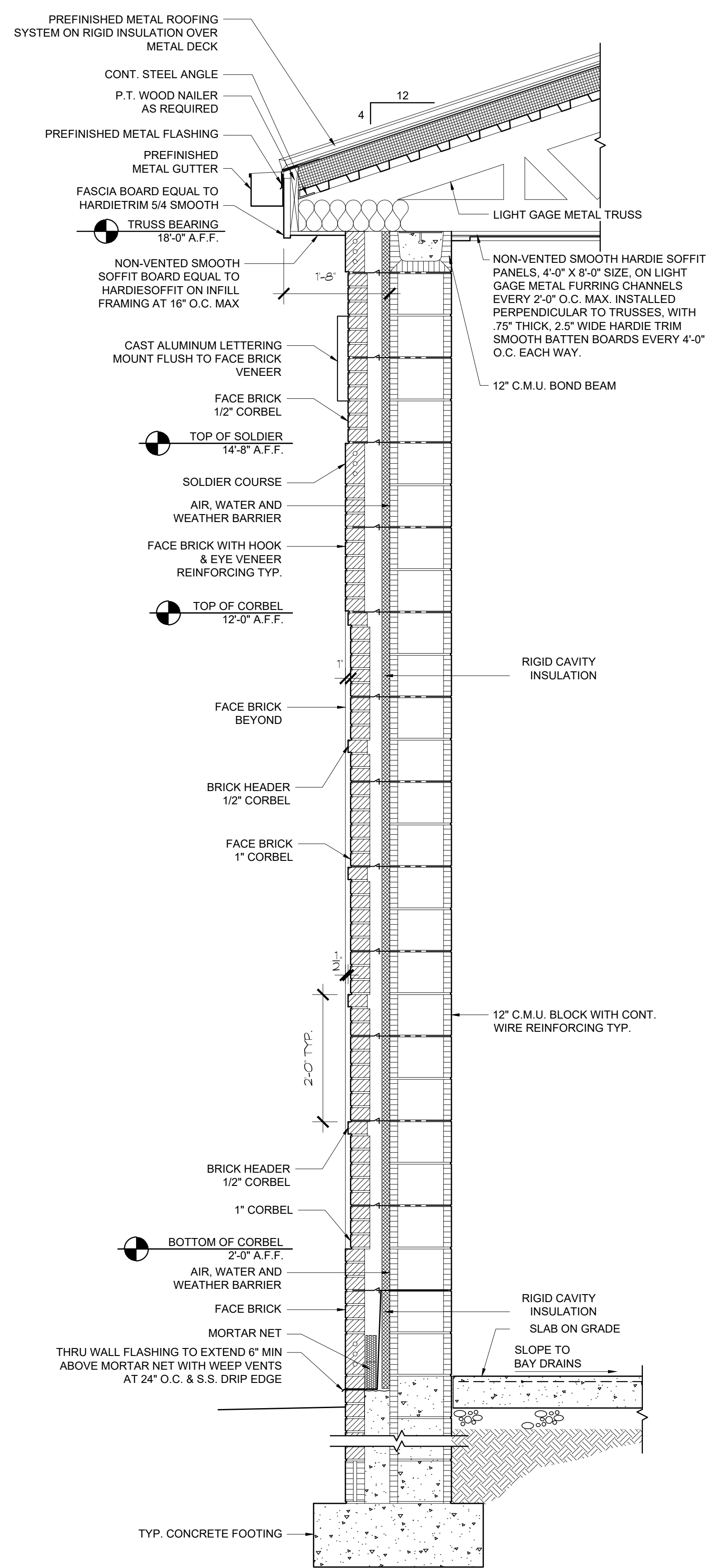


**2 WALL SECTION**  
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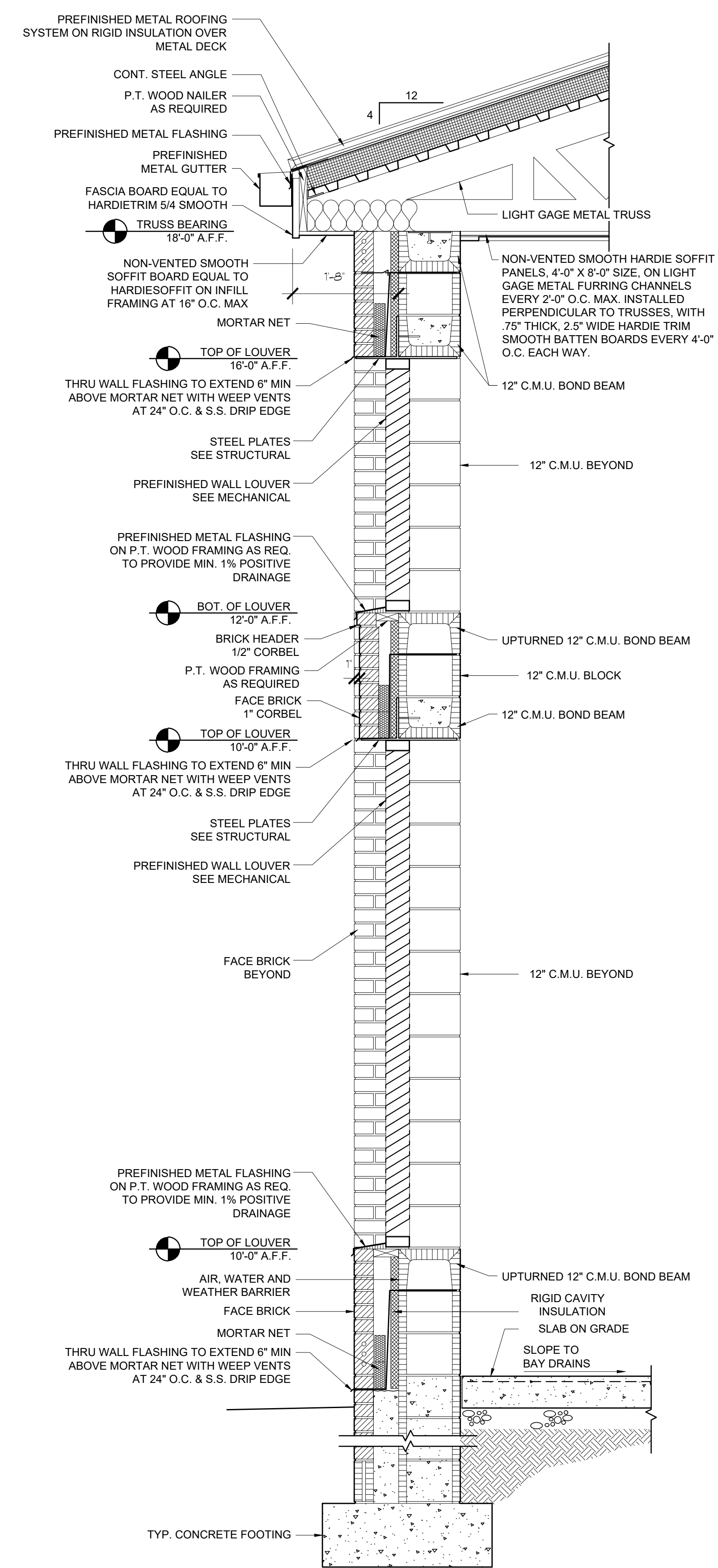


**3 WALL SECTION**  
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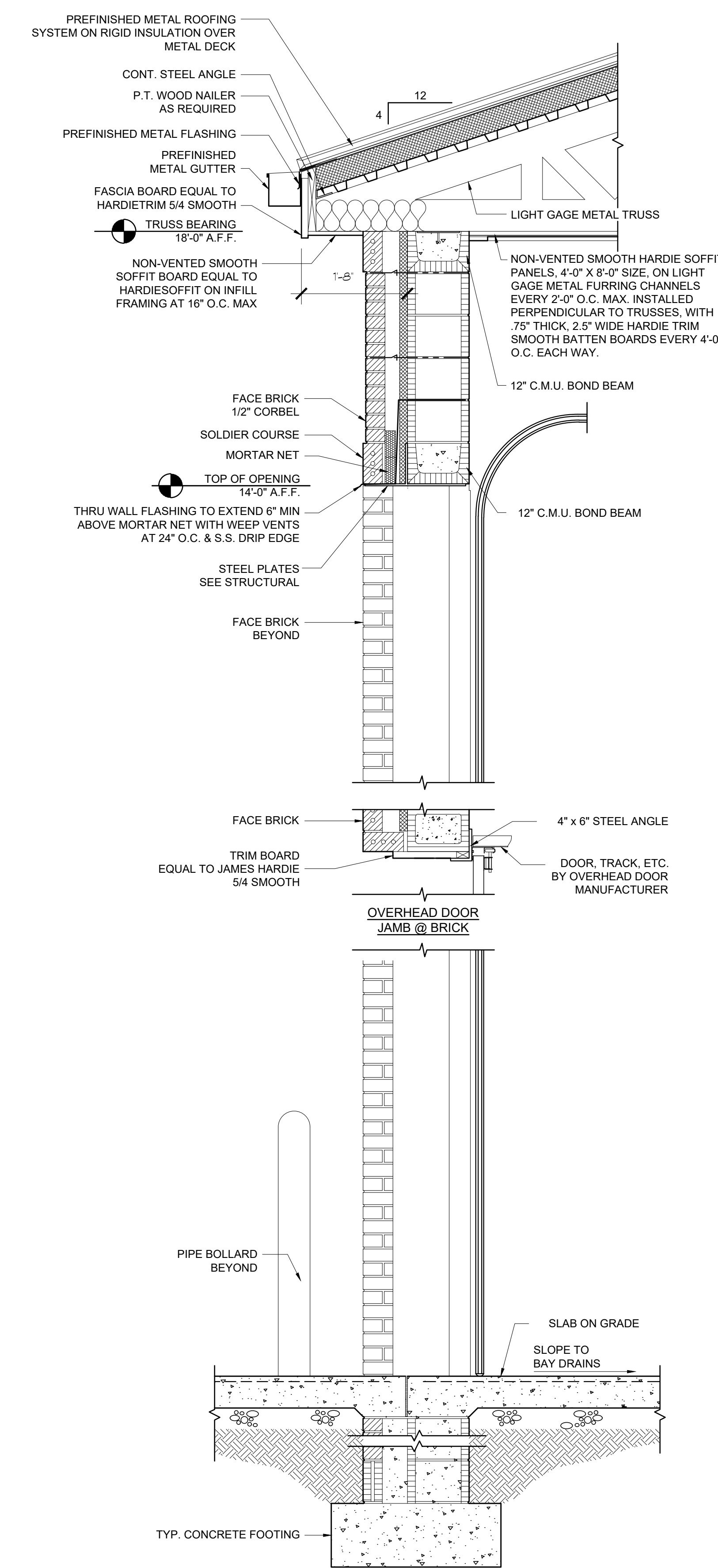
FOR CONSTRUCTION



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



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



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

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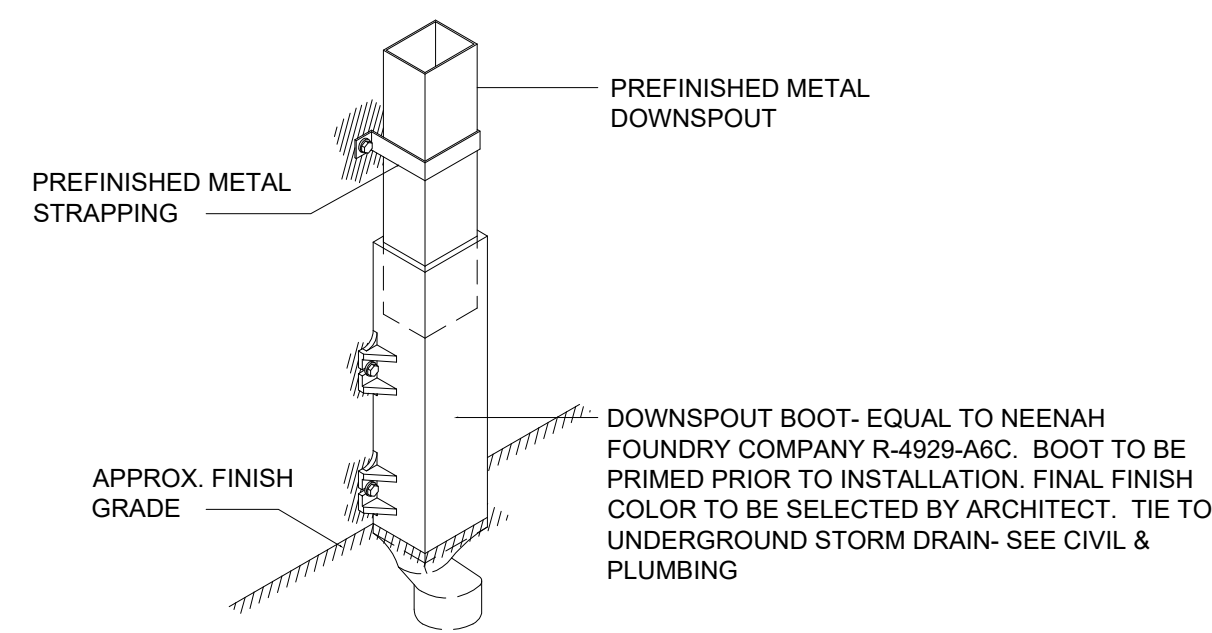
REVISIONS	
NO.	DATE
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ADDITIONS & RENOVATIONS TO:  
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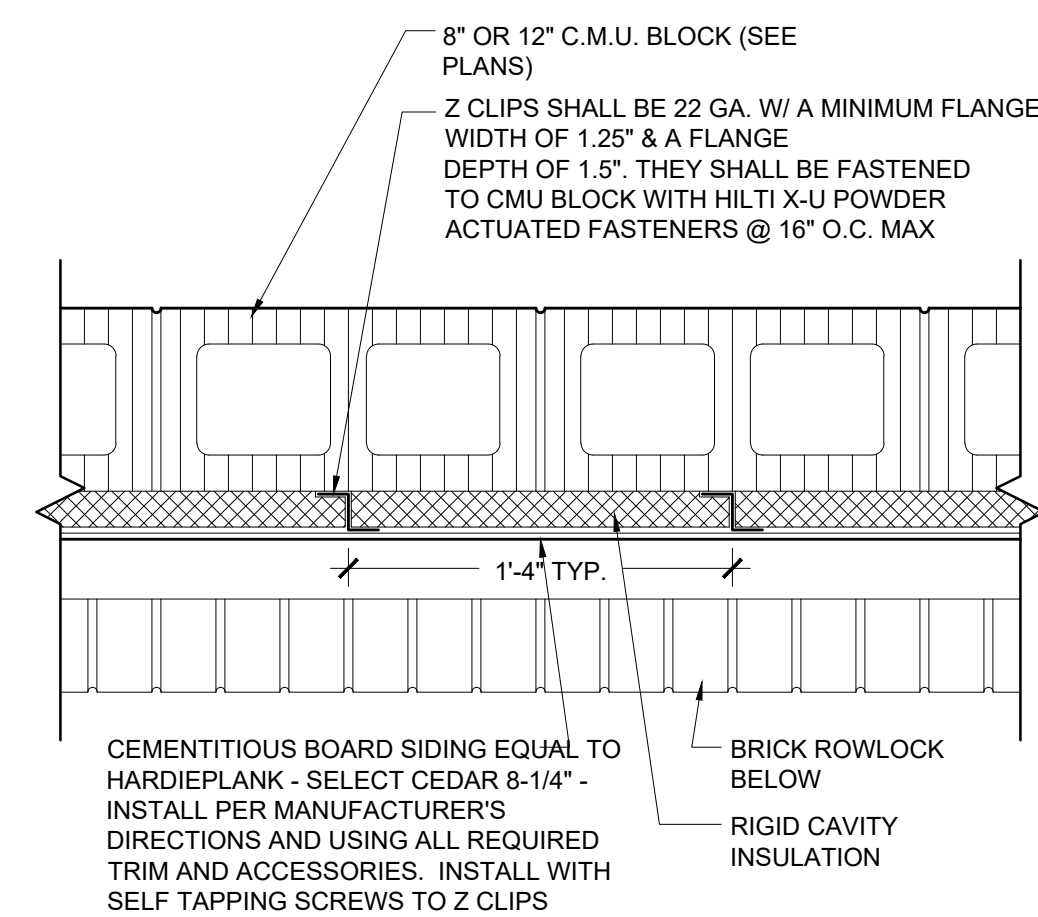


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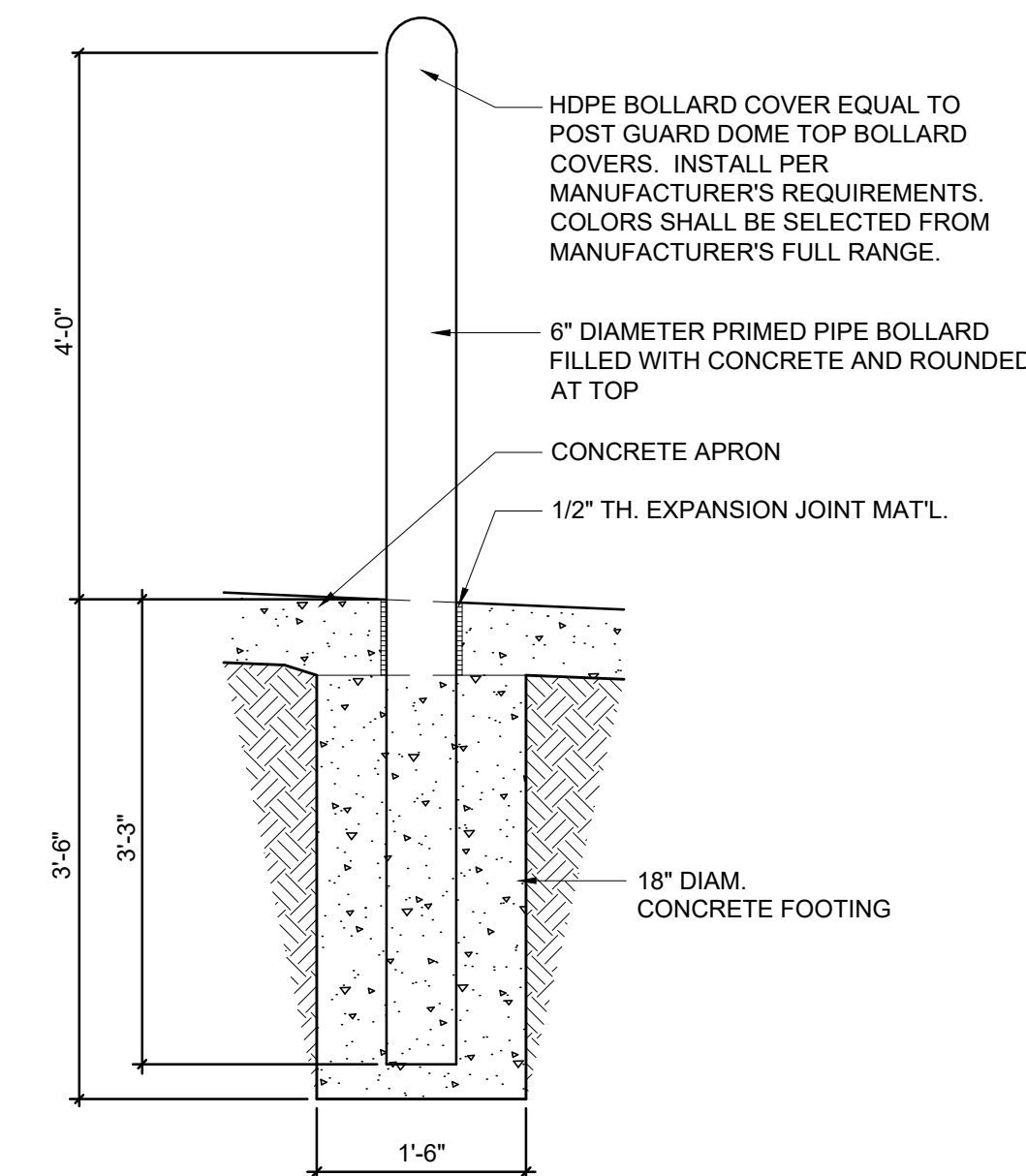
**5 TYP. DOWNSPOUT BOOT DETAIL**

CONTRACTOR TO COORDINATE WITH STRUCTURAL & CIVIL DRAWINGS FOR STEPS IN FOOTINGS AND CONNECTION DETAILS.



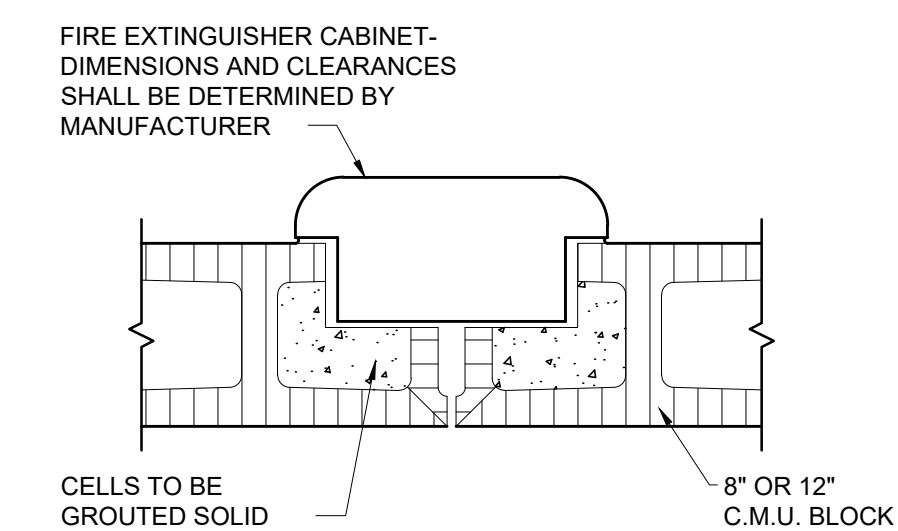
**6 TYP. WALL DETAIL**

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



**7 TYP. BOLLARD DETAIL**

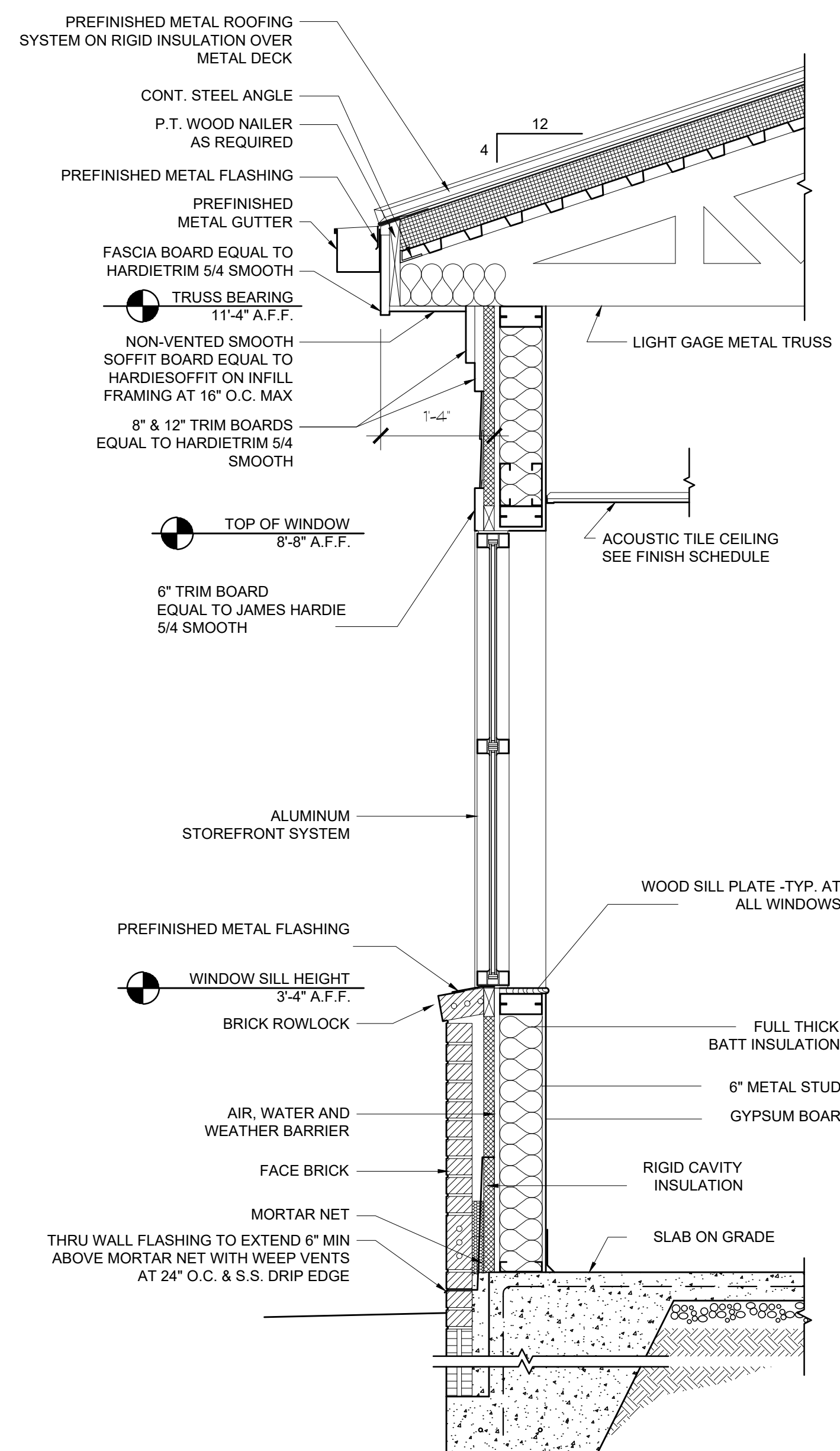
SCALE: 3/4" = 1'-0"



**8 EXTINGUISHER DETAIL**

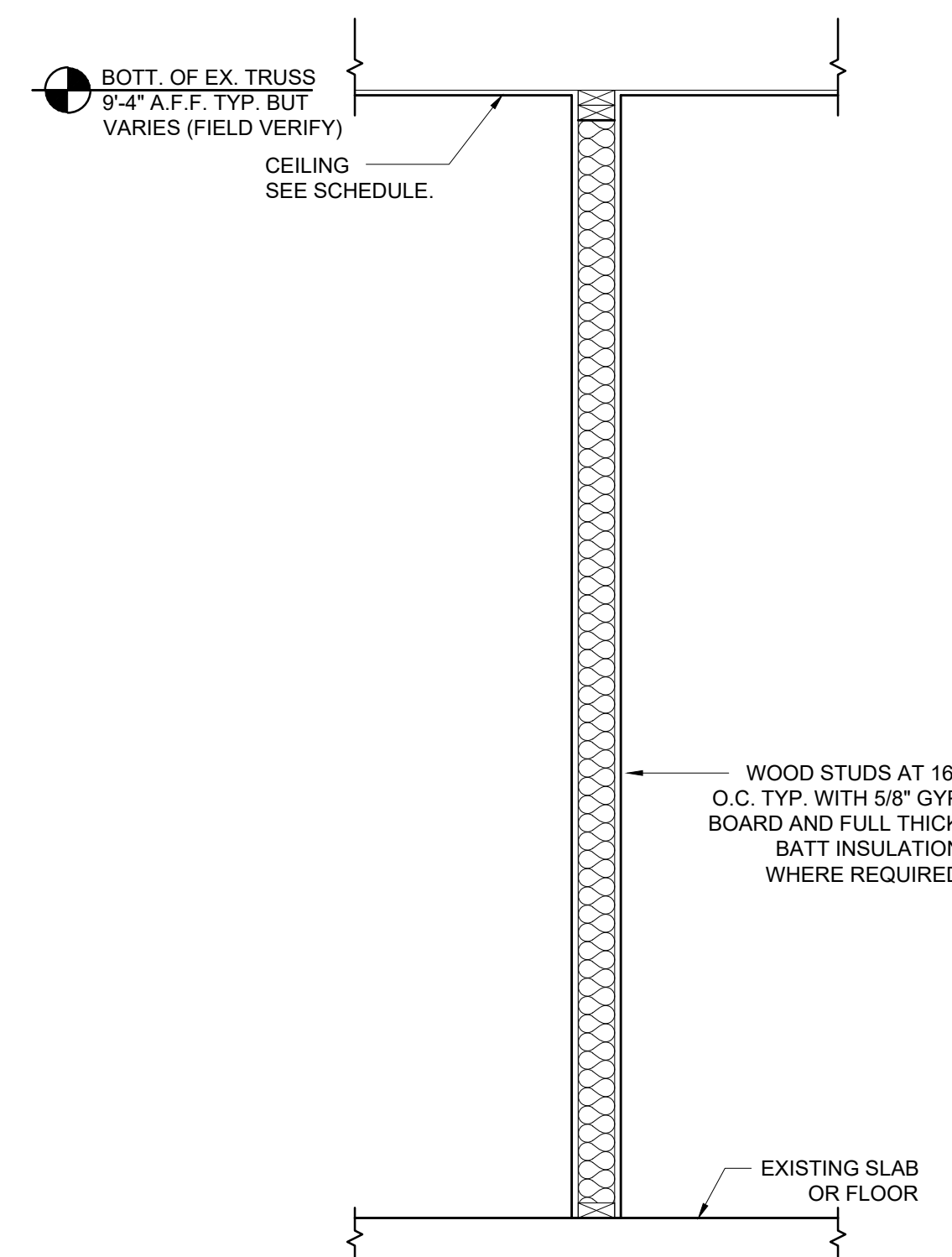
SCALE: 1-1/2" = 1'-0"

NOTE: MOUNTING HEIGHT SHALL BE 4'-0" TO THE TOP OF MASONRY OPENING. VERIFY WITH LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION  
NOTE: CABINETS SHALL NOT BE RECESSED IN RATED PARTITIONS PLEASE COORDINATE ALL LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.



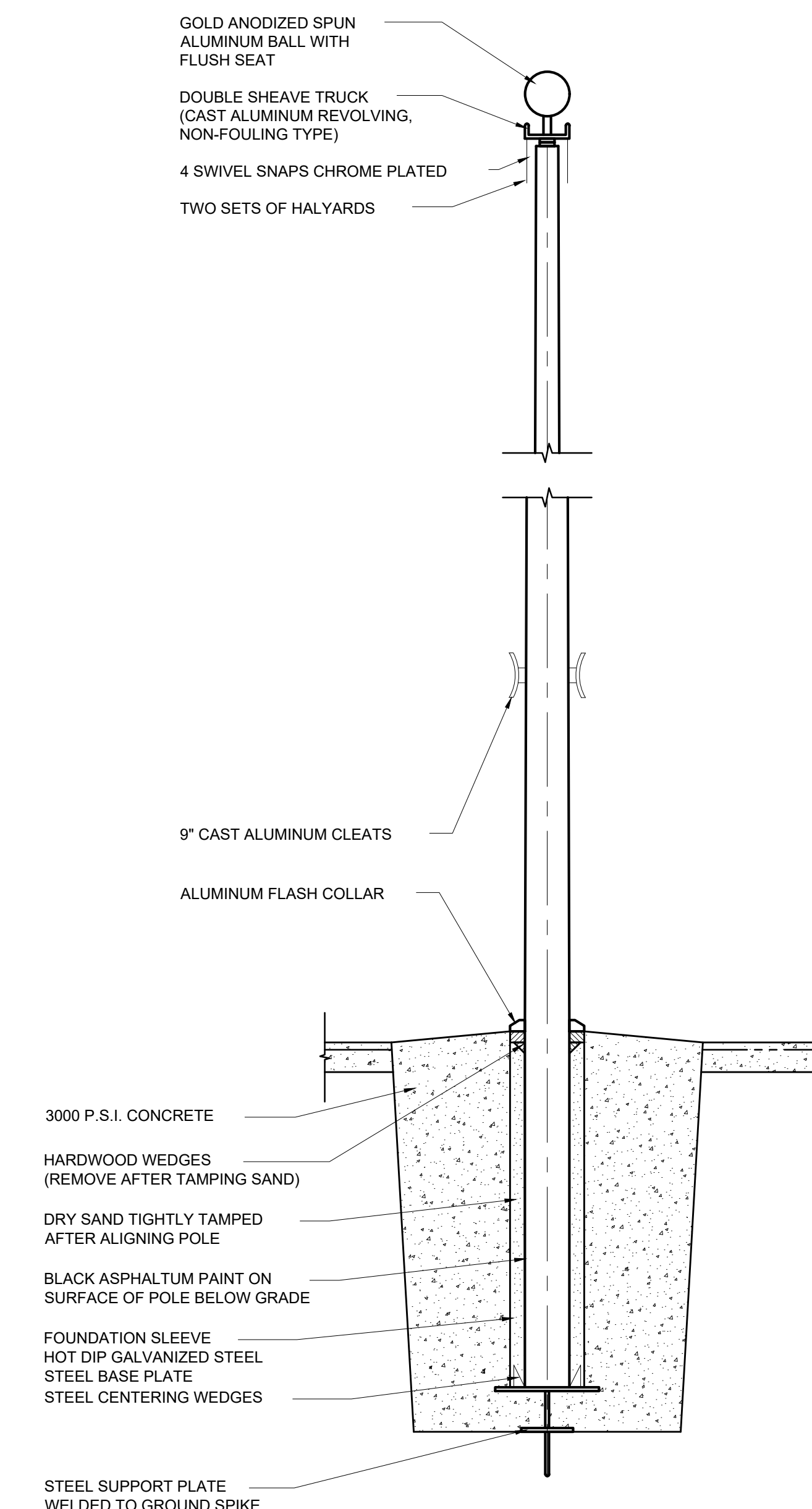
**1 WALL SECTION**

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



**3 TYP. WALL SECTION**

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



**4 FLAG POLE SECTION**

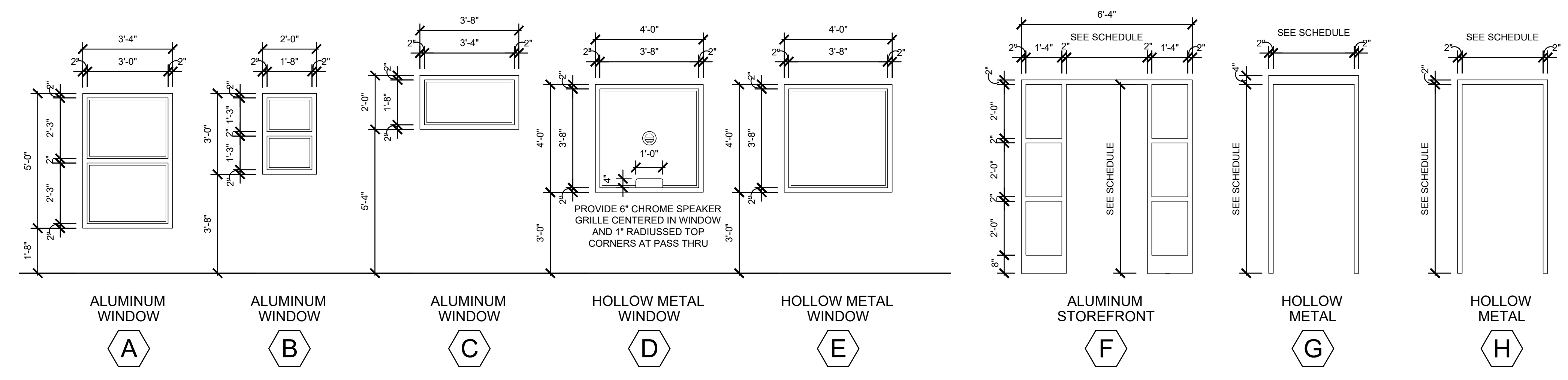
SCALE: 3/4" = 1'-0"

FOR CONSTRUCTION



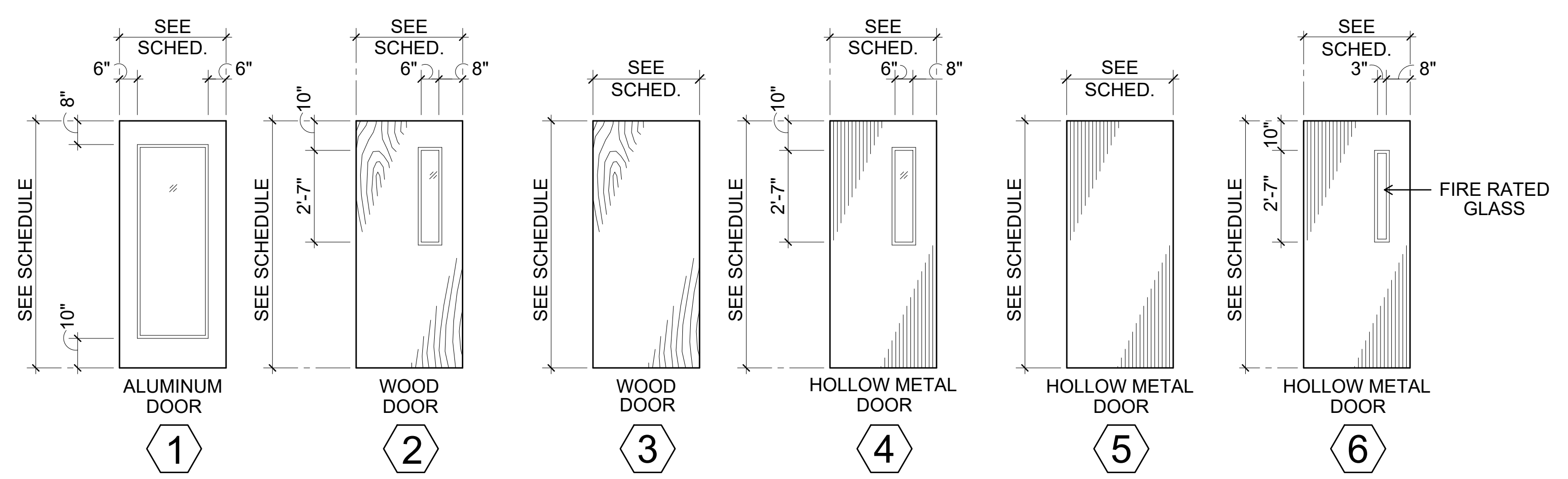
SCHEDULE of DOORS and FRAMES												
MARK	TYPE	SIZE		FRAMES			FIRE RATING	HWDE. SET NO.	REMARKS	MARK	MISC.	
		WIDTH	HGT.	TYPE	HEAD	JAMB					SILL	
100	1	3'-0"	7'-0"	F	H3	J3	-	AL-01	CARD ACCESS	100		
101	3	3'-0"	7'-0"	H	H1	J1	-	01		101		
102	2	3'-0"	7'-0"	H	H1	J1	-	02		102		
103	3	3'-0"	7'-0"	H	H1	J1	-	02		103		
104	3	3'-0"	7'-0"	H	H1	J1	-	03		104		
105	3	3'-0"	7'-0"	H	H1	J1	-	04	CARD ACCESS	105		
106	2	3'-0"	7'-0"	H	H1	J1	-	05		106		
107	2	3'-0"	7'-0"	H	H1	J1	-	05		107		
108	4	3'-0"	7'-0"	H	H3 SIM.	J3 SIM.	-	06	CARD ACCESS	108		
109	3	3'-0"	7'-0"	H	H1	J1	-	07		109		
110	3	3'-0"	7'-0"	H	H1	J1	-	01		110		
111	3	3'-0"	7'-0"	H	H1	J1	-	01		111		
112	5	3'-0"	7'-0"	EX.	H5 SIM.	J5 SIM.	-	08	NEW DOOR IN EXISTING FRAME	112		
113	3	3'-0"	7'-0"	H	H1	J1	-	09		113		
114	4	3'-0"	7'-0"	H	H1	J1	-	09		114		
115	3	3'-0"	7'-0"	H	H1	J1	-	09		115		
116	2	3'-0"	7'-0"	H	H1	J1	-	02		116		
117	2	3'-0"	7'-0"	H	H1	J1	-	10		117		
118	6	3'-0"	7'-0"	G	H2	J2	-	90 MIN		118		
119	4	3'-0"	7'-0"	G	H5	J5	-	12		119		
120	5	3'-0"	7'-0"	G	H2	J2	-	13		120		
121	4	3'-0"	7'-0"	G	H2	J2	-	14		121		
122	5	3'-0"	7'-0"	G	H2	J2	-	15	CARD ACCESS	122		
123	4	3'-0"	7'-0"	G	H4	J4	-	06	CARD ACCESS	123		
124	4	3'-0"	7'-0"	G	H4	J4	-	12		124		
125	5	3'-8"	6'-8"	H	H1 SIM.	J1 SIM.	-			125		

GENERAL DOOR SCHEDULE NOTES:  
 NOTE 1: EXISTING FRAMES TO REMAIN SHALL BE INSPECTED FOR PROPER FUNCTION AND FINISH. CLEAN FRAMES TO REMAIN AND REPAIR AS NECESSARY. REFINISH AND REPAINT FRAMES TO LIKE NEW CONDITION.  
 NOTE 2: PROVIDE CONSTRUCTION CORES AT ALL DOORS. OWNER WILL PROVIDE FINAL CORES AFTER PROJECT COMPLETION.



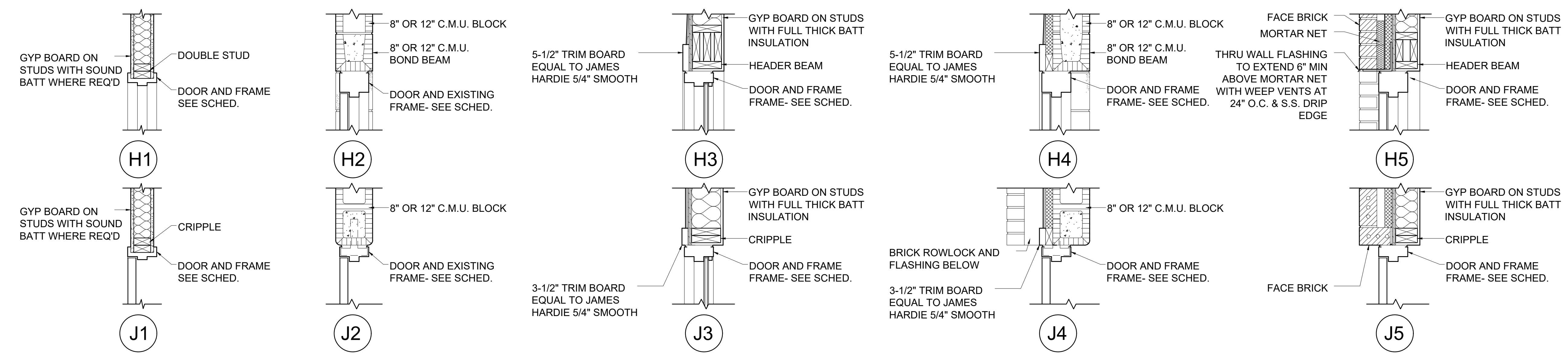
**1 WINDOW AND DOOR FRAME ELEVATIONS**

SCALE: 3/8" = 1'-0"



**2 DOOR TYPE ELEVATIONS**

SCALE: 3/8" = 1'-0"



**3 HEAD, JAMB, SILL DETAILS**

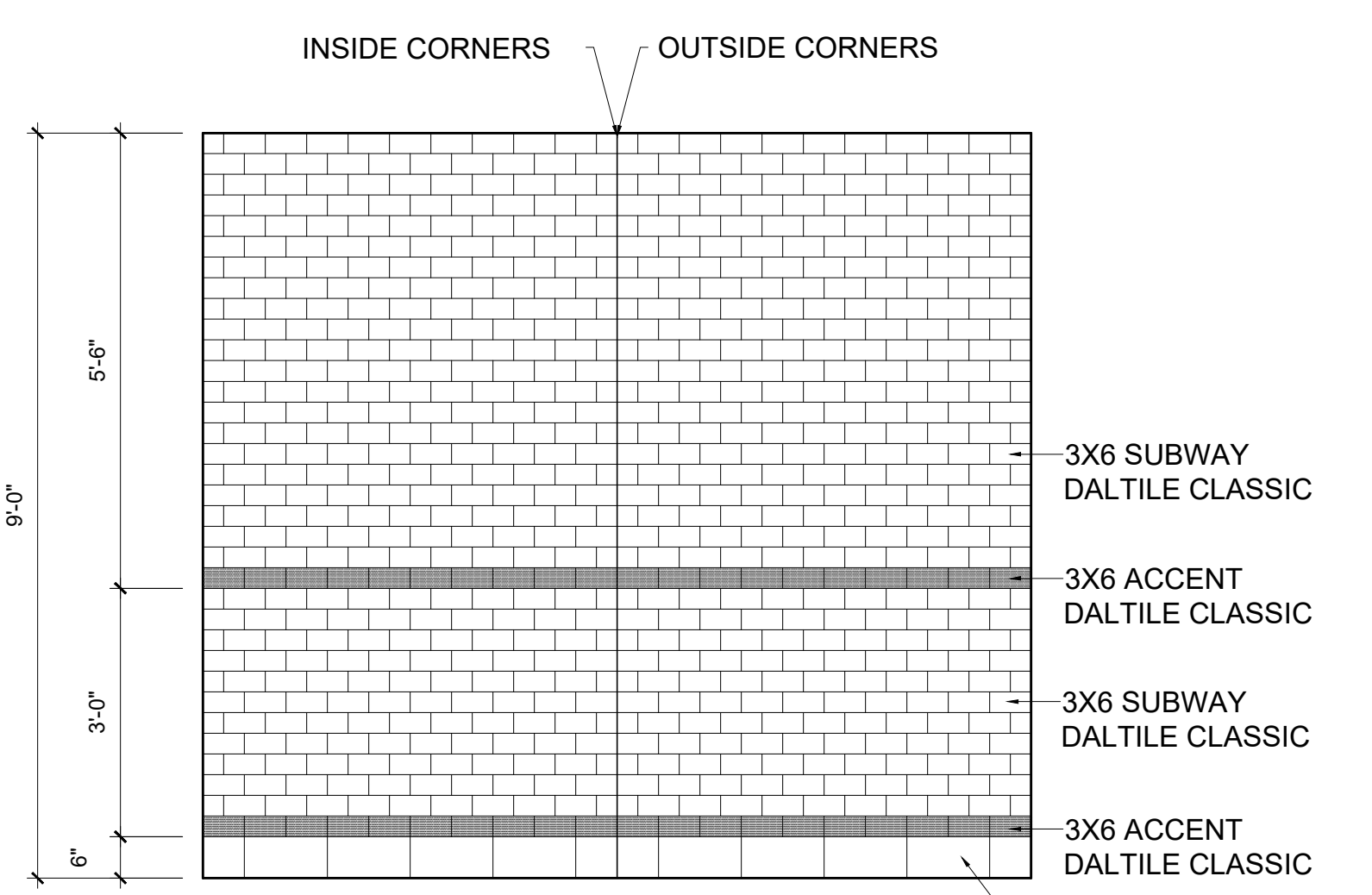
SCALE: 1" = 1'-0"

FOR CONSTRUCTION

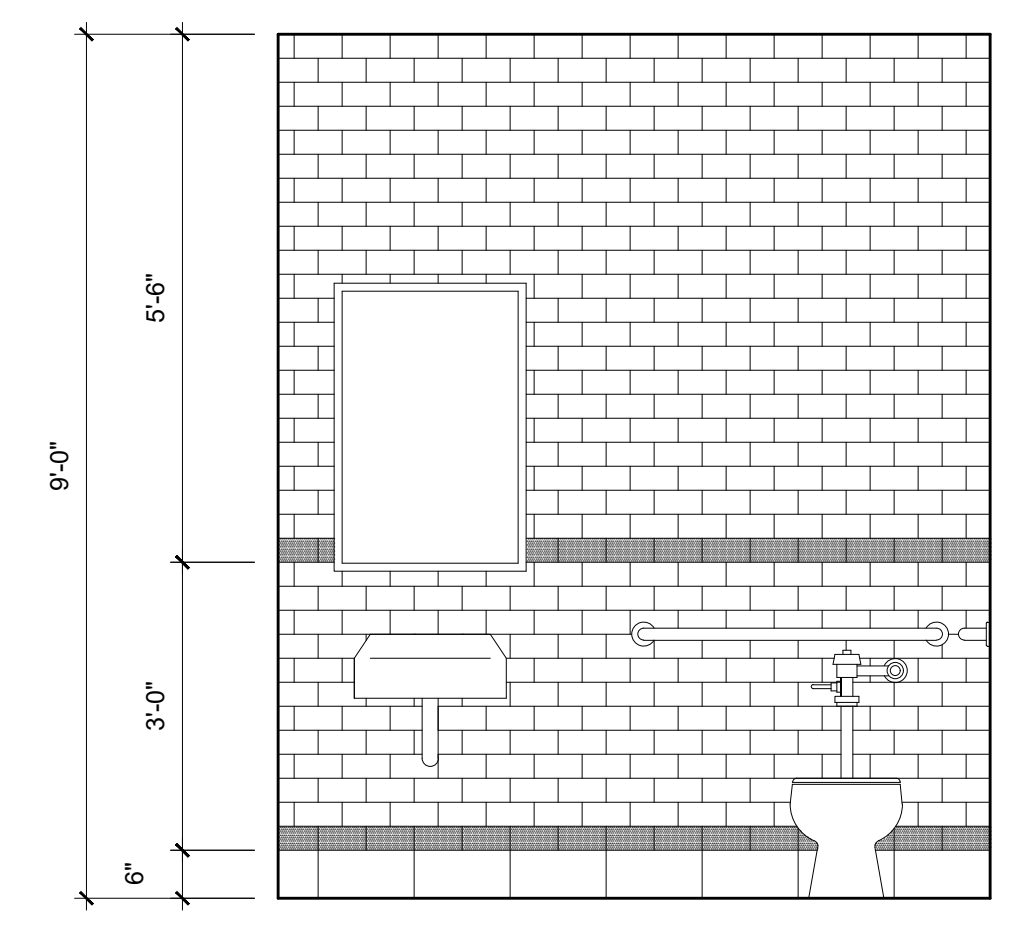
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SCHEDULE OF FINISHES										
ROOM NAME	NO.	FLOOR	BASE	WALLS	CEILING	CLG. HT.	REMARKS			
VESTIBULE	100	X								NOTE 1
OFFICE	101	X								NOTES 1&5
OFFICE	102	X								NOTES 1&5
TOILET	103		X							NOTES 4&5
CORRIDOR	104	X								NOTE 1
LAUNDRY	105	X								NOTES 2&4
DATA	106	X								NOTE 3
KITCHEN/DINING	107	X								NOTE 1
DAYROOM	108	X								NOTE 1
LOCKERS	109	X								NOTE 1
LINEN	110	X								
BATH	111		X							NOTES 4&5
BATH	112		X							NOTES 4&5
MECHANICAL	113	X								
SLEEPING BUNK	114	X								NOTE 5
SLEEPING BUNK	115	X								NOTE 5
SLEEPING BUNK	116	X								NOTE 5
EXERCISE ROOM	117		X							
CORRIDOR	118	X								NOTE 1
APPARATUS BAYS	119	X								
EMS STORAGE	120	X								
GEAR ROOM	121	X								
BAY STORAGE	122	X								
MECH. PLATFORM	123		X							
COVERED PATIO	124		X							
MECHANICAL	125		X							

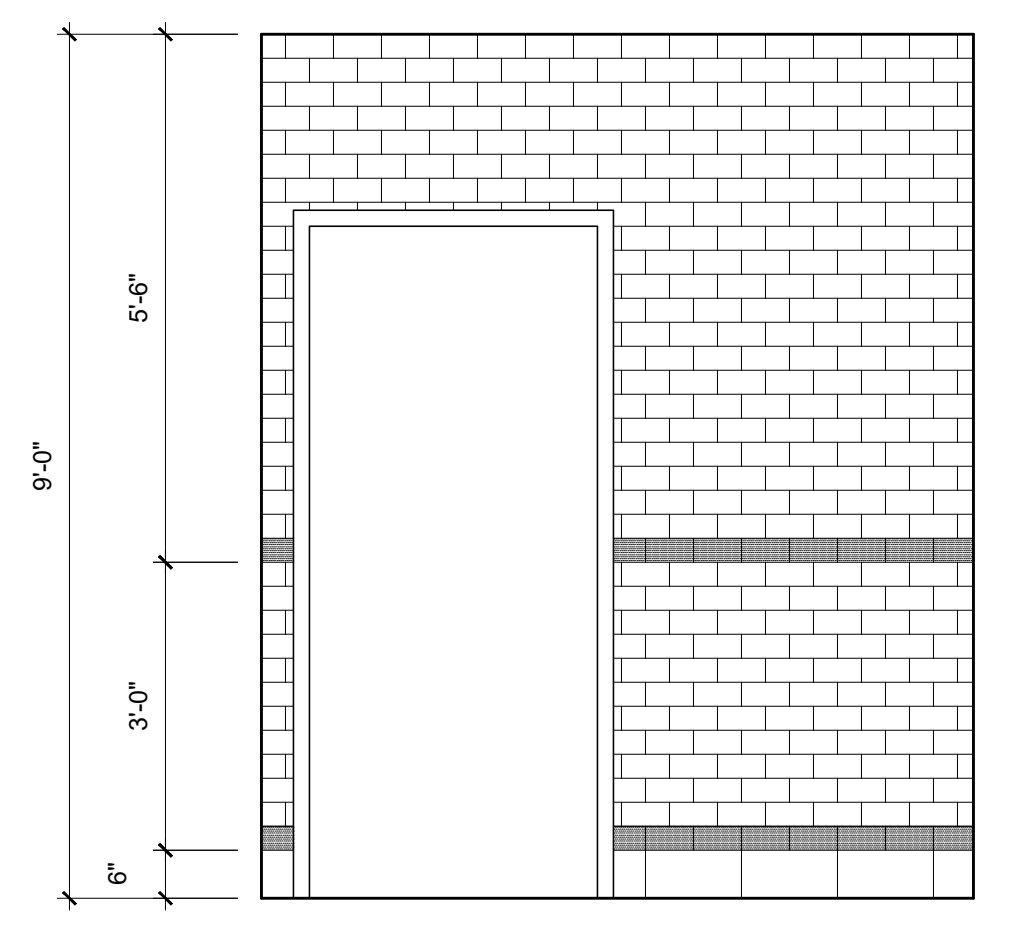
NOTE 1: PROVIDE CHAIR RAIL AT 36" A.F.F. WITH TWO WALL PAINT COLORS, ONE ABOVE AND ONE BELOW RAIL. CHAIR RAIL PROFILE SHALL BE EQUAL TO RB-472 BY RANDALL BROTHERS.  
 NOTE 2: PROVIDE 4'-0" TALL BY 4'-0" WIDE STAINLESS STEEL PANELS AND ASSOCIATED TRIM AT WALLS AT MOP SINKS.  
 NOTE 3: PROVIDE 8'-0" TALL GRAY INTUMESCENT PAINTED PLYWOOD MOUNTED 1'-0" A.F.F. THE ENTIRE PERIMETER OF THREE WALLS OF THE DATA ROOM. THE WALL CONTAINING THE DOOR WILL NOT REQUIRE THIS PLYWOOD.  
 NOTE 4: PROVIDE MOISTURE RESISTANT GYP OR A.C.T. AND GRID IN THIS SPACE.  
 NOTE 5: PROVIDE FULL THICK SOUND BATT INSULATION IN EVERY INTERIOR WALL OF THIS SPACE.  
 GENERAL FINISH NOTES:  
 G.F.N.#1: PROVIDE A TERMINATION EDGE AT DOORS/OPENINGS TO ALLOW FOR A SMOOTH TRANSFER TO ADJACENT FLOOR SURFACE. TYPICAL AT ALL CHANGES IN FLOOR FINISH. SEE DETAIL "T1" ON THIS SHEET.  
 G.F.N.#2: PREP ALL FLOORING PRODUCTS PER MANUFACTURERS INSTRUCTIONS PRIOR TO APPLICATION TO INSURE PROPER INSTALLATION.  
 G.F.N.#3: ALL NEW CONSTRUCTION SHALL RECEIVE NEW PAINT. ANY EXISTING CONSTRUCTION DAMAGED OR DISTURBED DURING THE COURSE OF CONSTRUCTION SHALL BE REPAIRED AND REPAINTED TO MATCH SURROUNDING CONSTRUCTION.  
 G.F.N.#4: ALL EXTERIOR SURFACES (EXCEPT BRICK) SHALL RECEIVE TWO COATS MINIMUM OF NEW FINISH PAINT AND PRIMER, SEE SPECIFICATIONS.



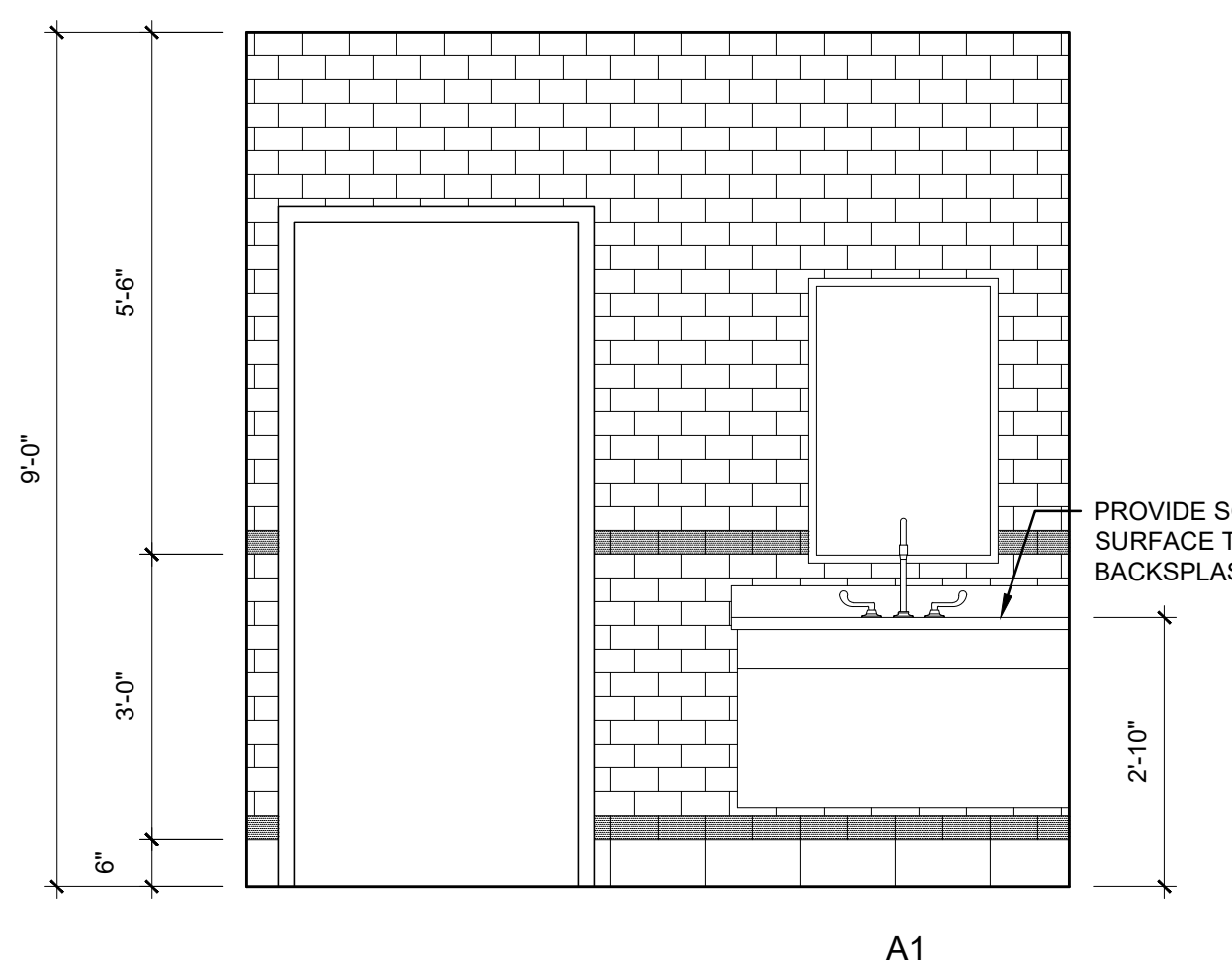
**1 INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0"  
NOTE: TILE TYPES INDICATED IN THIS ELEVATION ARE TYPICAL OF ALL ELEVATIONS 2-5/A5.2



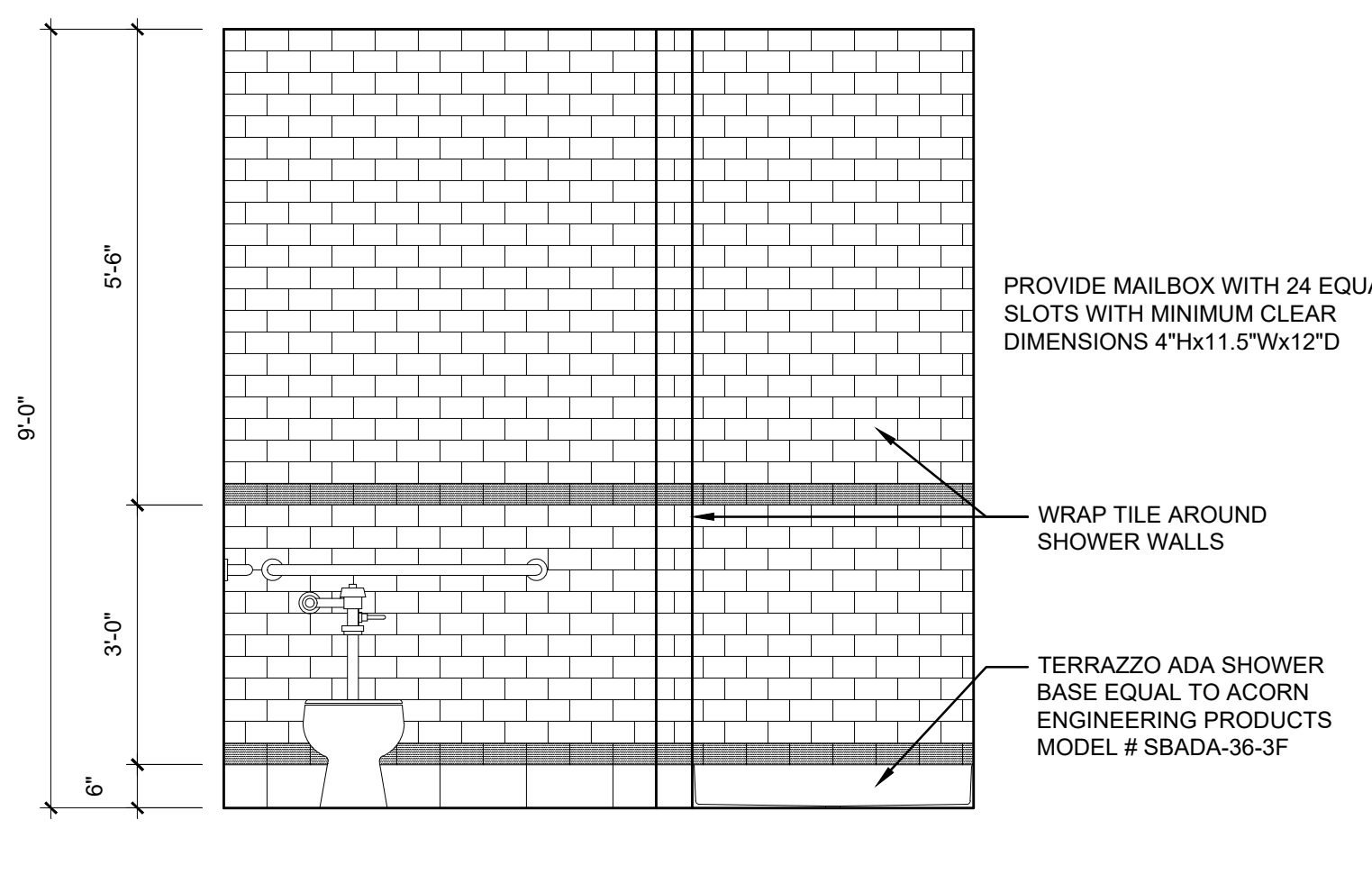
**2 INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0" ROOM 103



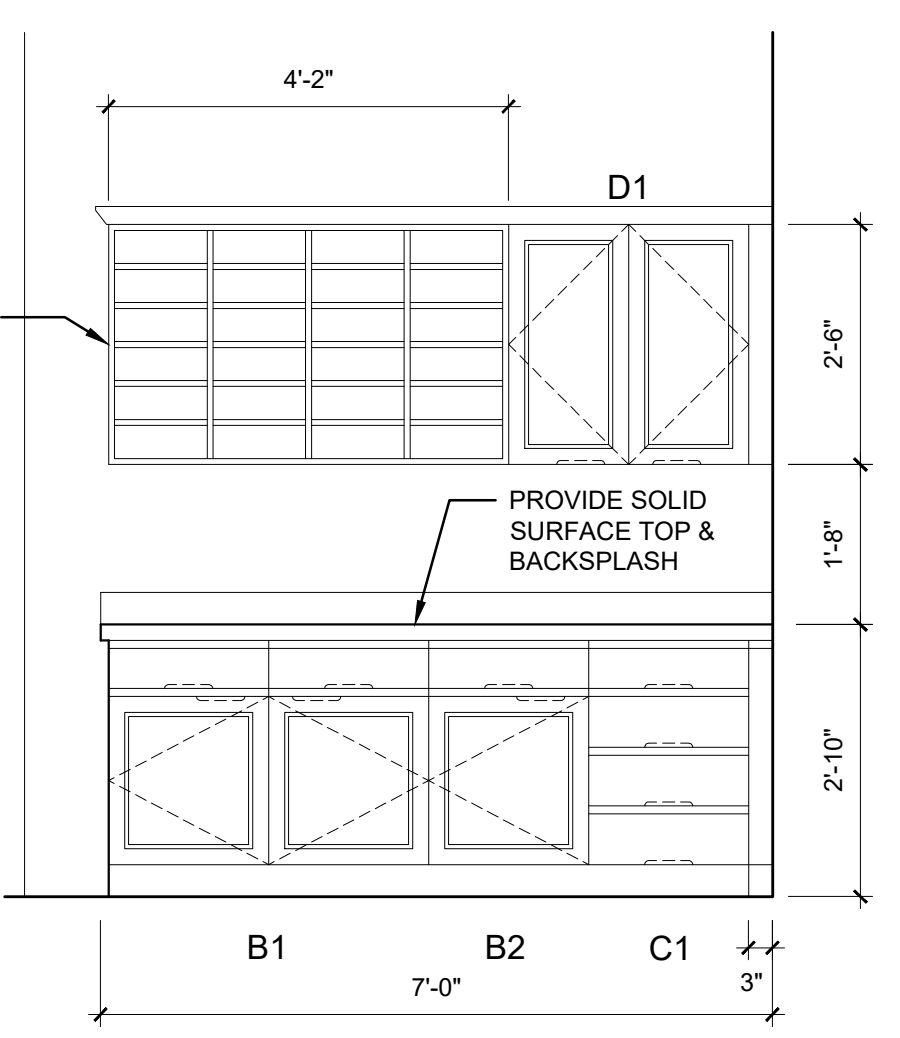
**3 INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0" ROOM 103



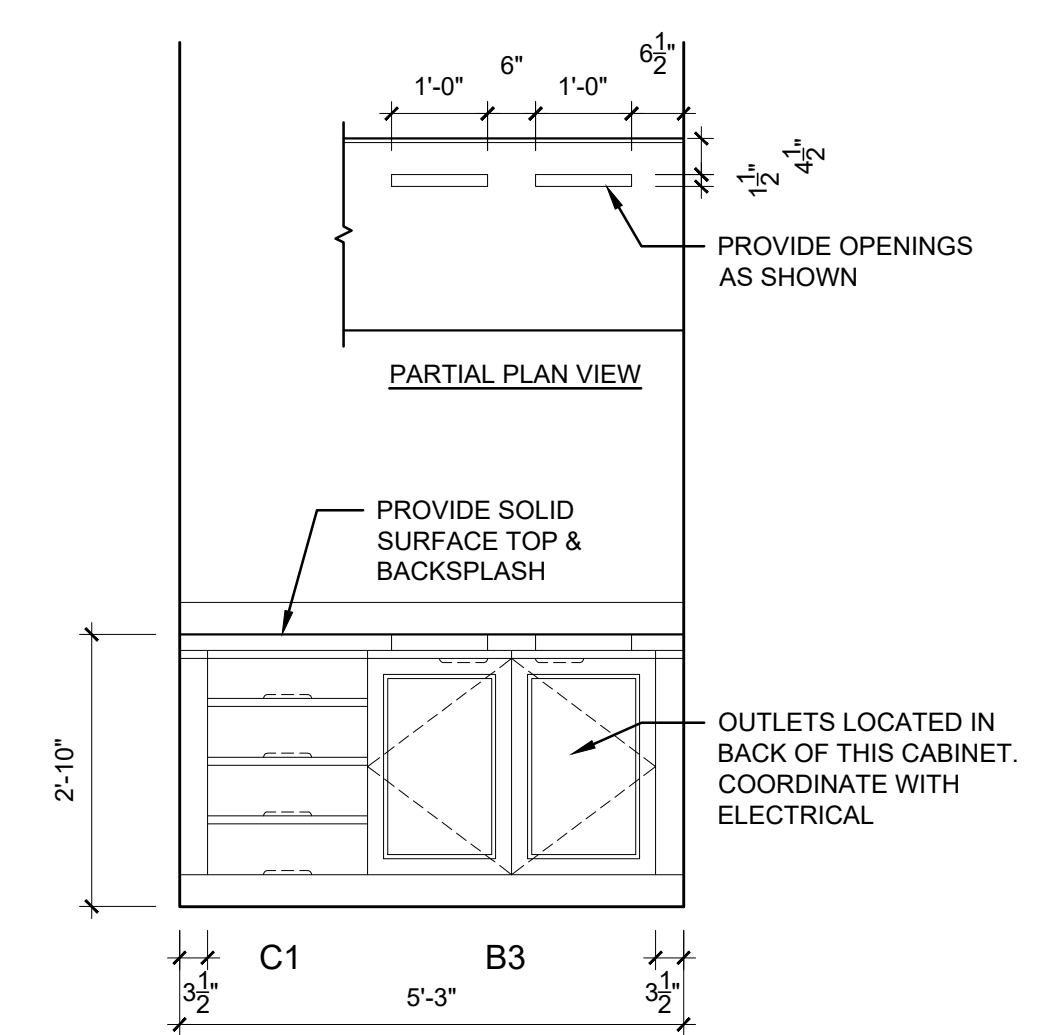
**4 INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0" ROOMS 111 & 112



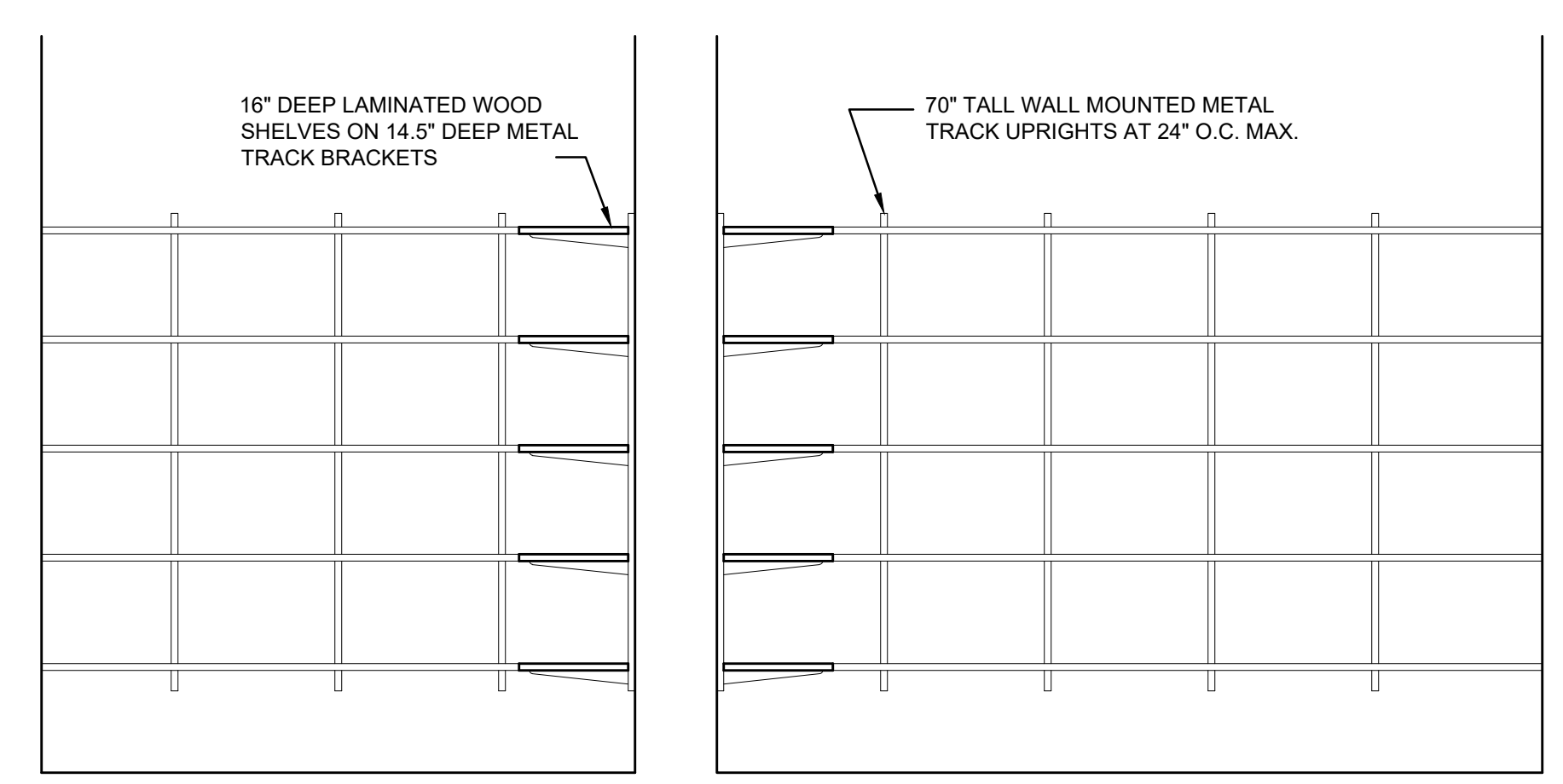
**5 INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0" ROOMS 111 & 112



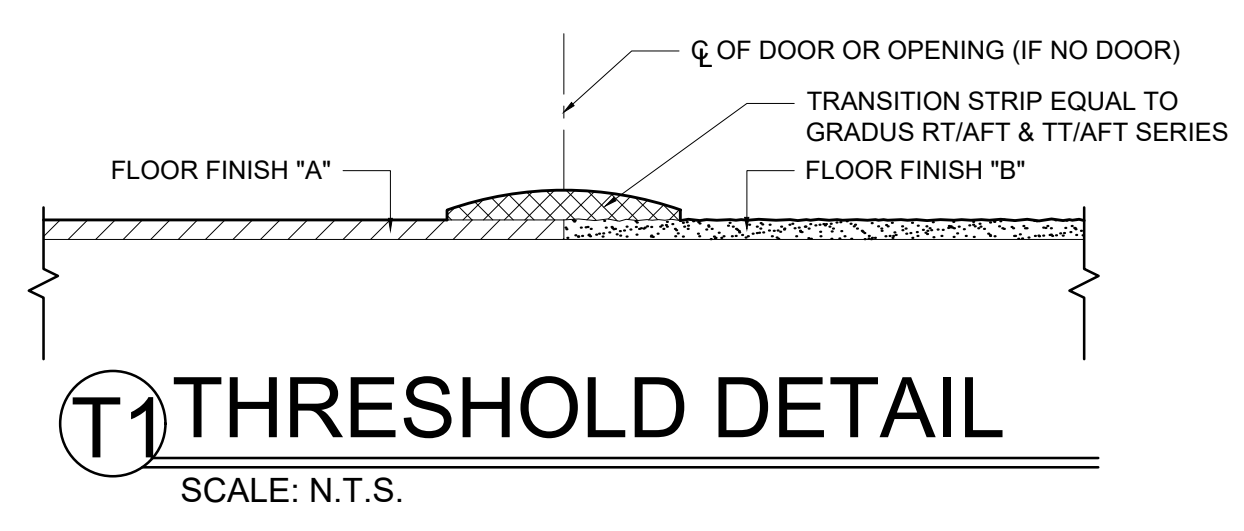
**6 INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0" ROOM 109



**7 INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0" ROOM 109 RADIO DESK



**8 INTERIOR ELEVATION**  
SCALE: 1/2" = 1'-0" ROOM 110

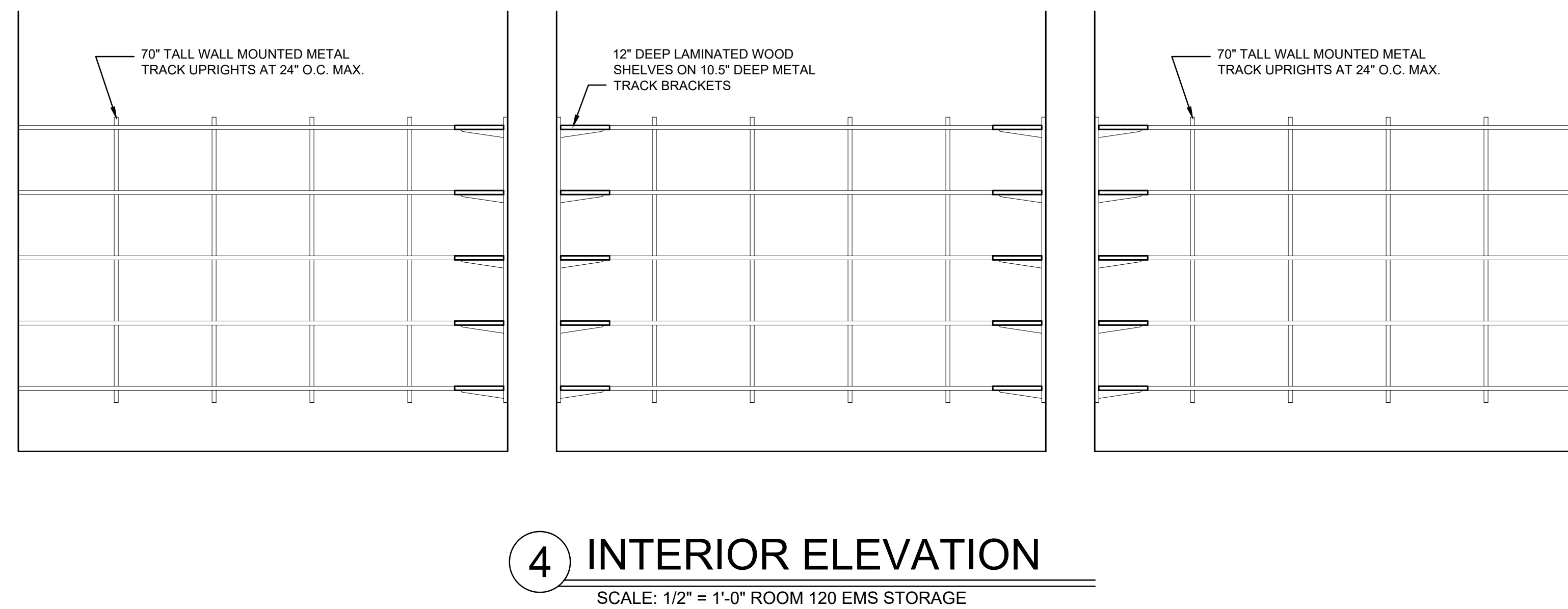
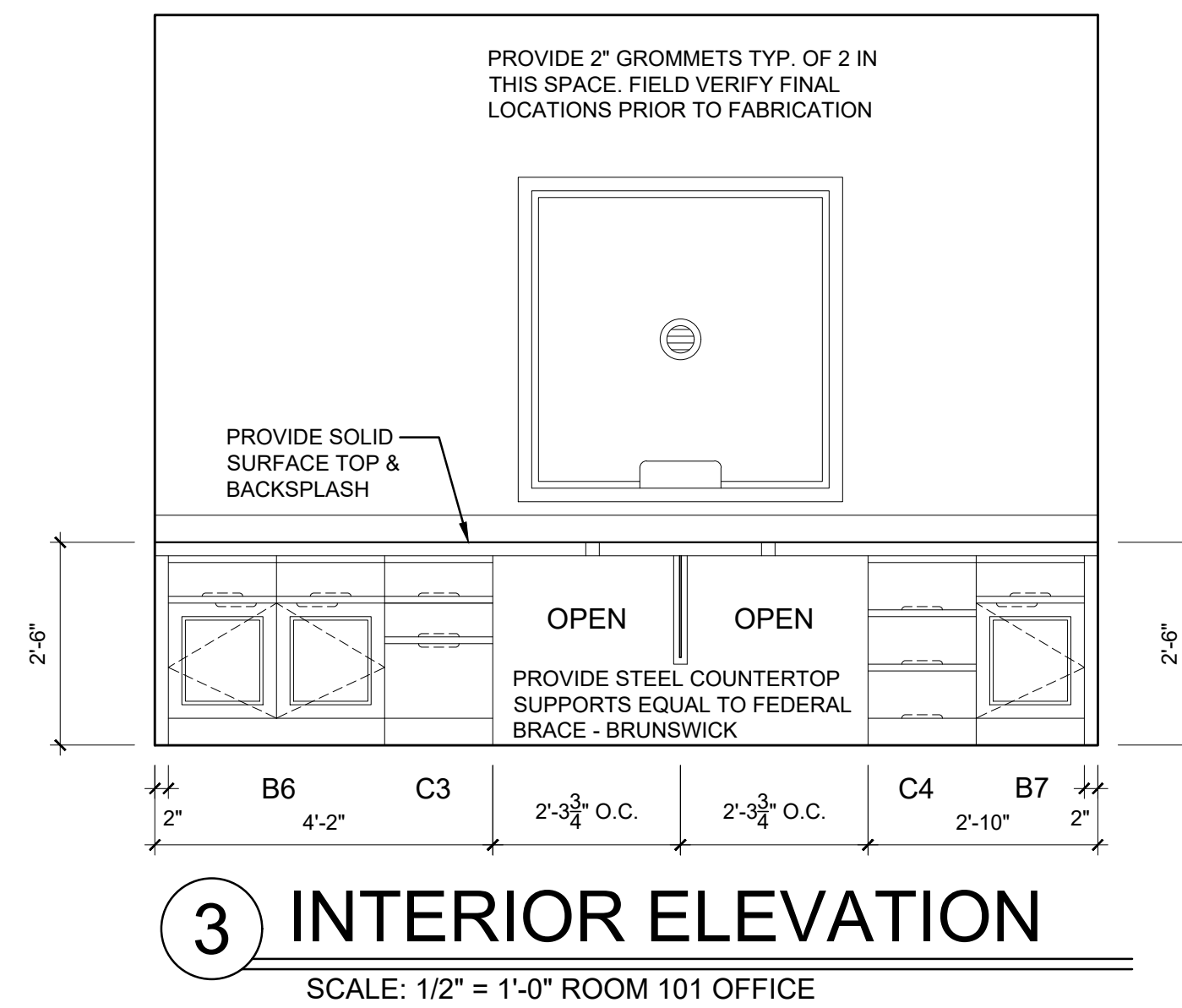
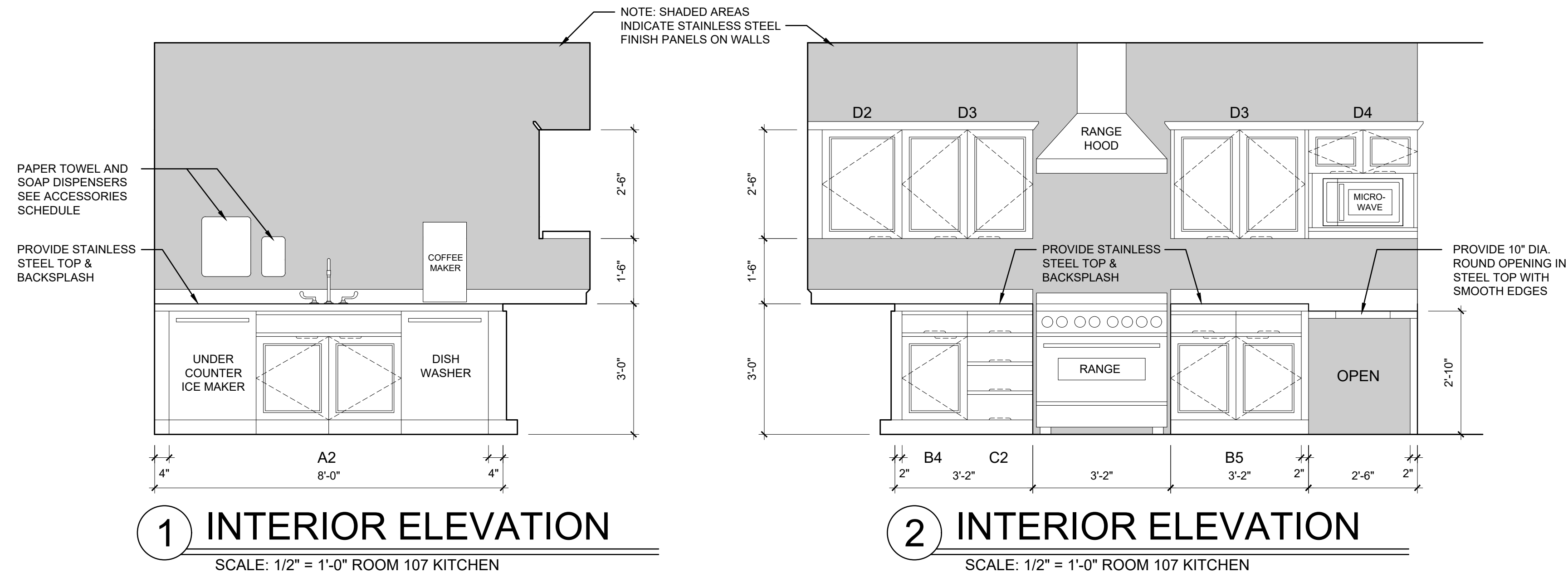


MILLWORK SCHEDULE		
A1	ADA VANITY	42W, 34H, 24D
B1	DOOR & DRAWER BASE	40W, 34H, 24D
B2	DOOR & DRAWER BASE	20W, 34H, 24D
B3	DOOR BASE	36W, 34H, 24D
C1	DRAWER BASE	20W, 34H, 24D
D1	WALL CABINET	30W, 30H, 14D

PROVIDE CROWN ABOVE WALL CABINETS EQUAL TO RANDALL BROTHERS, PROFILE RB-52  
 PROVIDE ALL REQUIRED END PANELS AND FILLER STRIPS FOR A COMPLETE INSTALLATION

FOR CONSTRUCTION

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MILLWORK SCHEDULE		
A1	ADA VANITY	42W, 34H, 24D
A2	SINK BASE	40W, 36H, 24D
B1	DOOR & DRAWER BASE	40W, 34H, 24D
B2	DOOR & DRAWER BASE	20W, 34H, 24D
B3	DOOR BASE	36W, 34H, 24D
B4	DOOR & DRAWER BASE	18W, 36H, 24D
B5	DOOR & DRAWER BASE	36W, 36H, 24D
B6	DOOR & DRAWER BASE	32W, 30H, 24D
B7	DOOR & DRAWER BASE	16W, 30H, 24D
C1	DRAWER BASE	20W, 34H, 24D
C2	DRAWER BASE	18W, 36H, 24D
C3	DRAWER & FILE BASE	16W, 30H, 24D
C4	DRAWER BASE	16W, 30H, 24D
D1	WALL CABINET	30W, 30H, 14D
D2	WALL CABINET	22W, 30H, 14D
D3	WALL CABINET	36W, 30H, 14D
D4	WALL CABINET w M'WAVE	30W, 30H, 14D

PROVIDE CROWN ABOVE WALL CABINETS EQUAL TO RANDALL BROTHERS, PROFILE RB-52

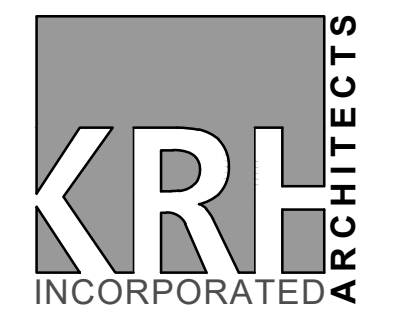
PROVIDE ALL REQUIRED END PANELS AND FILLER STRIPS FOR A COMPLETE INSTALLATION

PROJECT NUMBER  
23-017

DATE  
03/13/24

REVISIONS  
NO. DATE  
0000 00/00/00

FACILITY CODE  
000-0000



855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS



SHEET INDEX

MILLWORK  
ELEVATIONS &  
DETAILS

SHEET INDEX

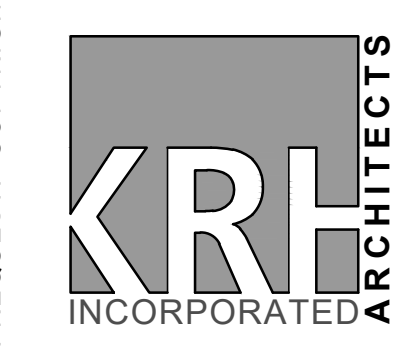
FOR CONSTRUCTION

A5.3

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NO.	DATE
0000	00/00/00

FACILITY CODE  
000-0000



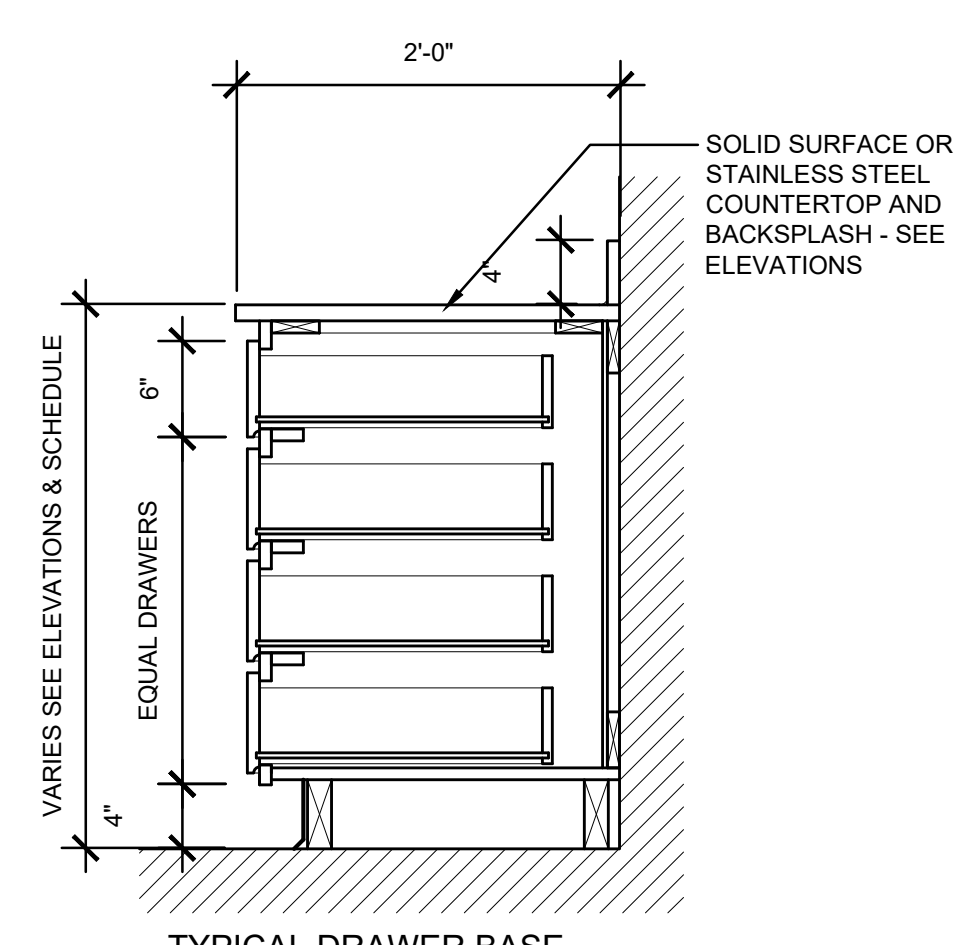
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ADDITIONS & RENOVATIONS TO:  
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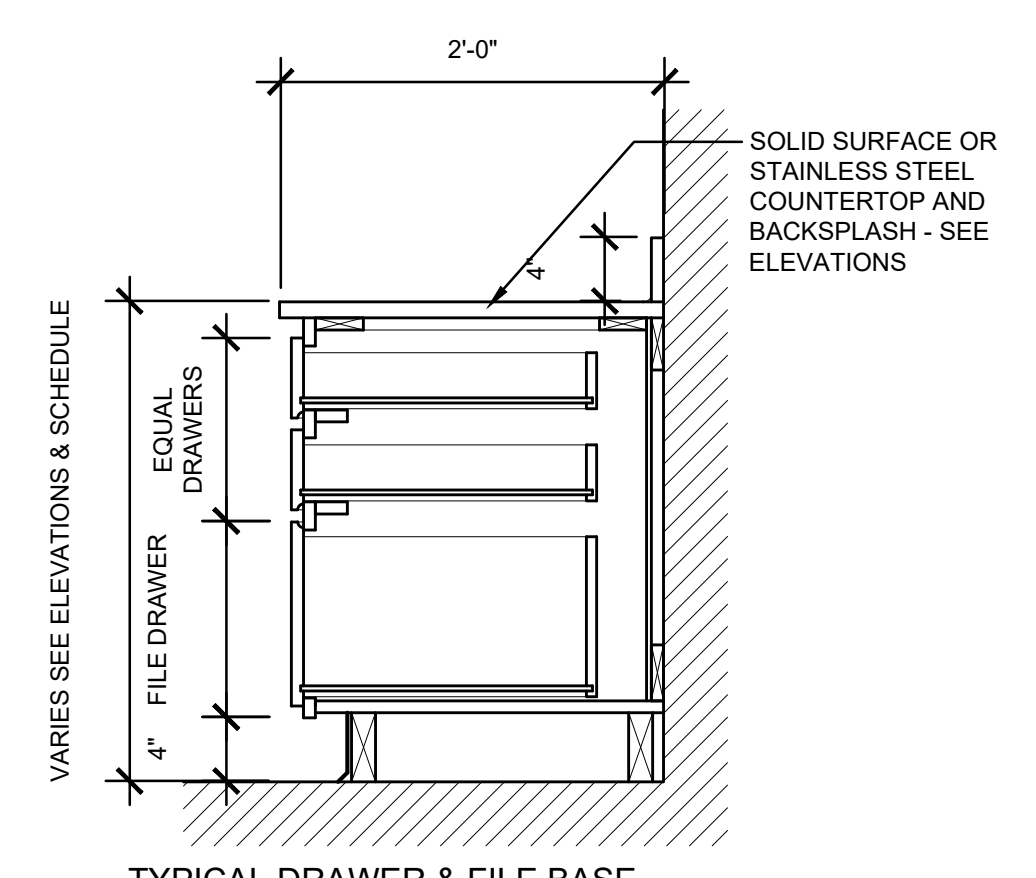


SHEET INDEX  
MILLWORK  
SECTIONS

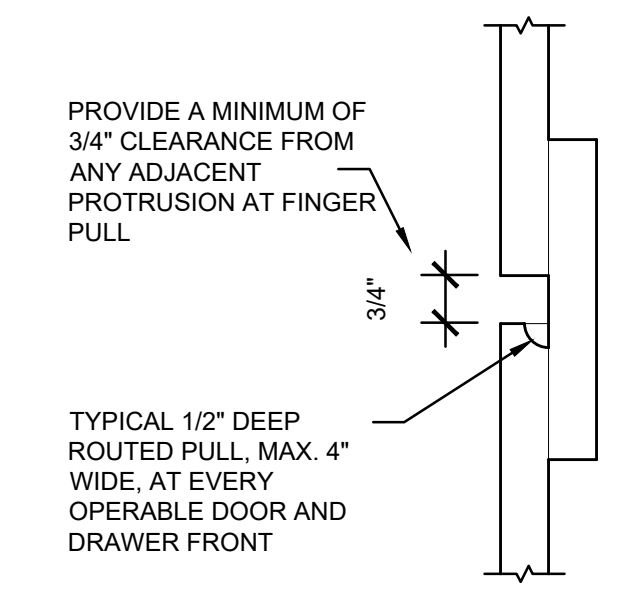
SHEET INDEX



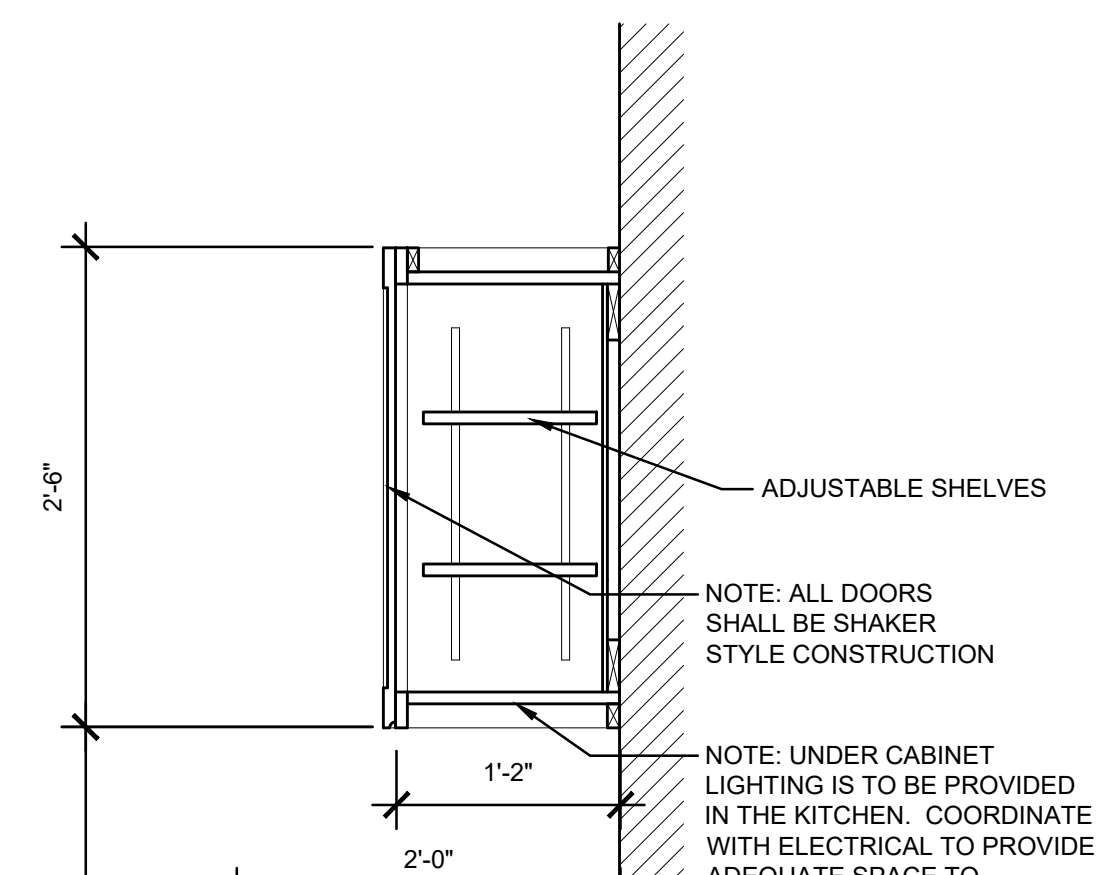
TYPICAL DRAWER BASE  
**2 SECTION**  
SCALE: 1" = 1'-0"



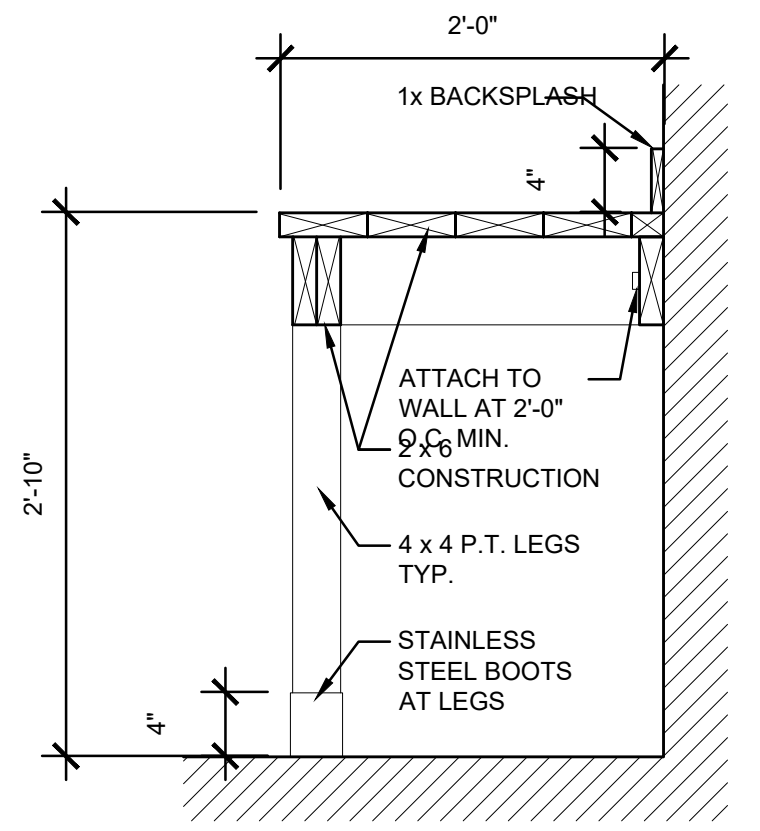
TYPICAL DRAWER & FILE BASE  
**5 SECTION**  
SCALE: 1" = 1'-0"



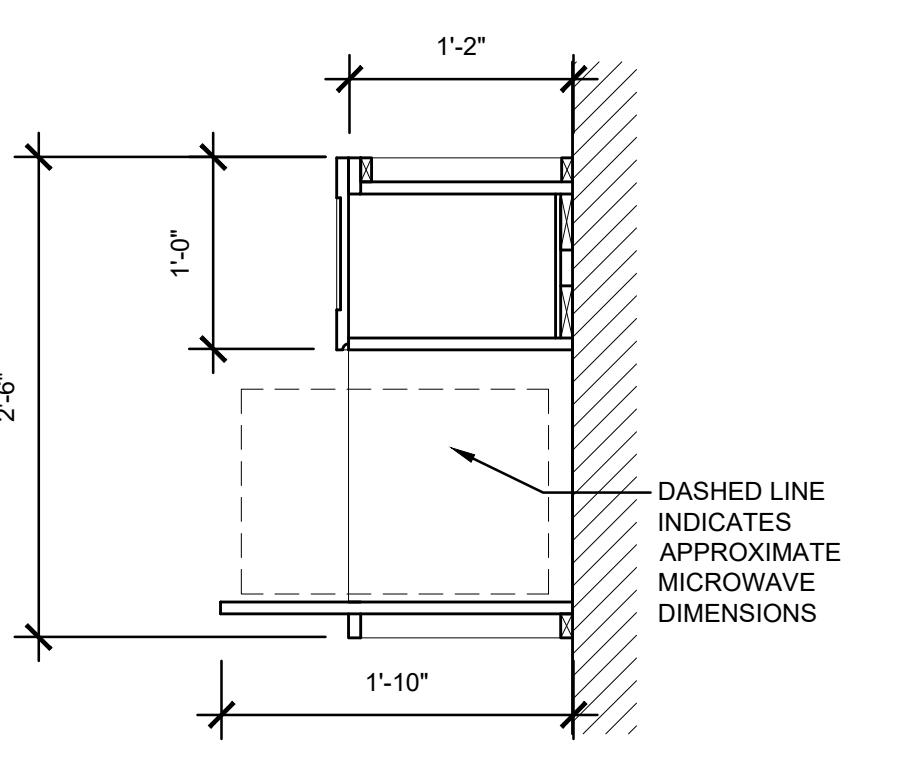
TYPICAL ROUTED FINGER PULL  
**8 SECTION**  
SCALE: 4" = 1'-0"



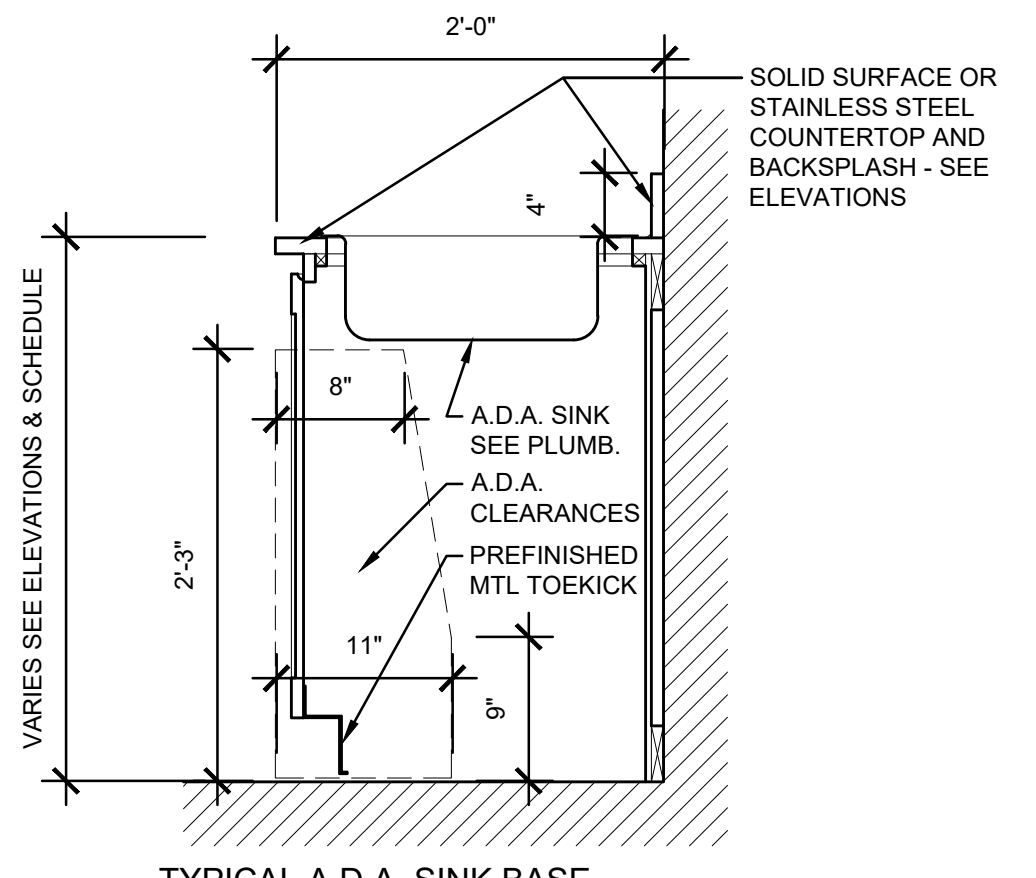
TYPICAL DOOR & DRAWER BASE AND WALL CABINET  
**1 SECTION**  
SCALE: 1" = 1'-0"



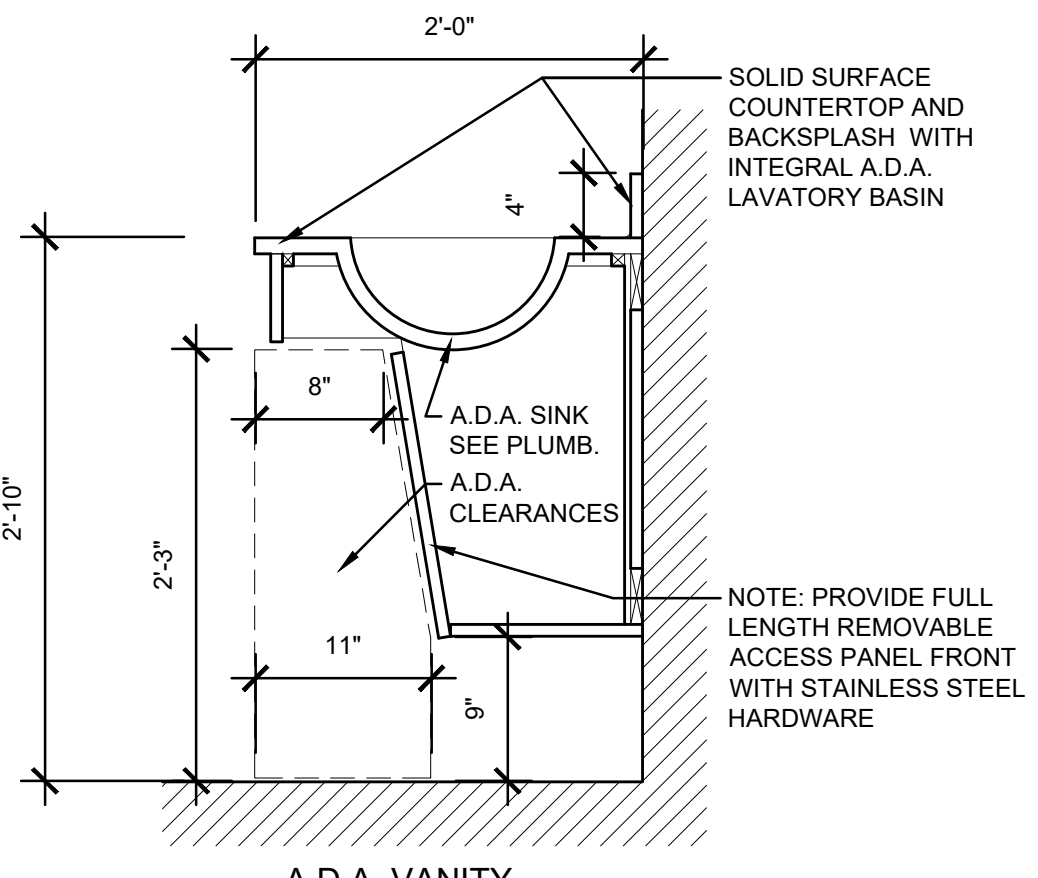
TYPICAL WORKROOM BENCH  
**4 SECTION**  
SCALE: 1" = 1'-0"



WALL CABINET WITH MICROWAVE  
**7 SECTION**  
SCALE: 1" = 1'-0"

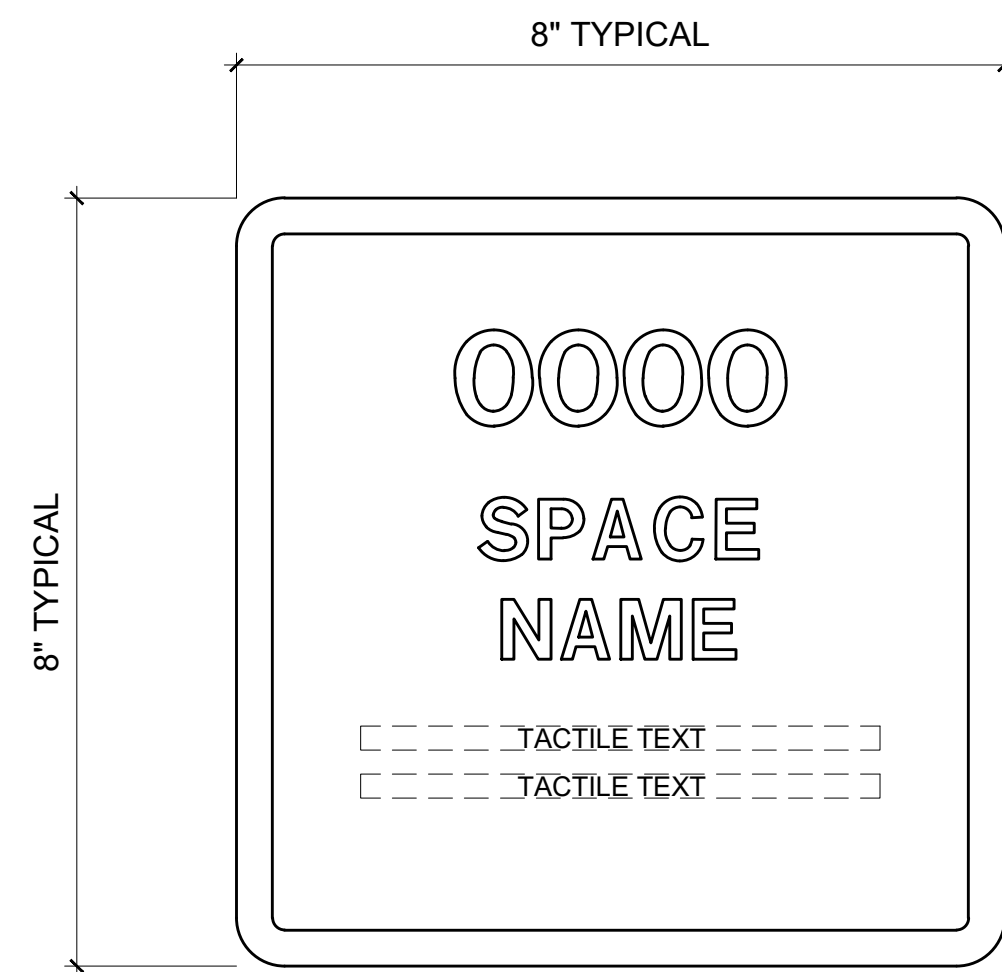


TYPICAL A.D.A. SINK BASE  
**3 SECTION**  
SCALE: 1" = 1'-0"



A.D.A. VANITY  
**6 SECTION**  
SCALE: 1" = 1'-0"

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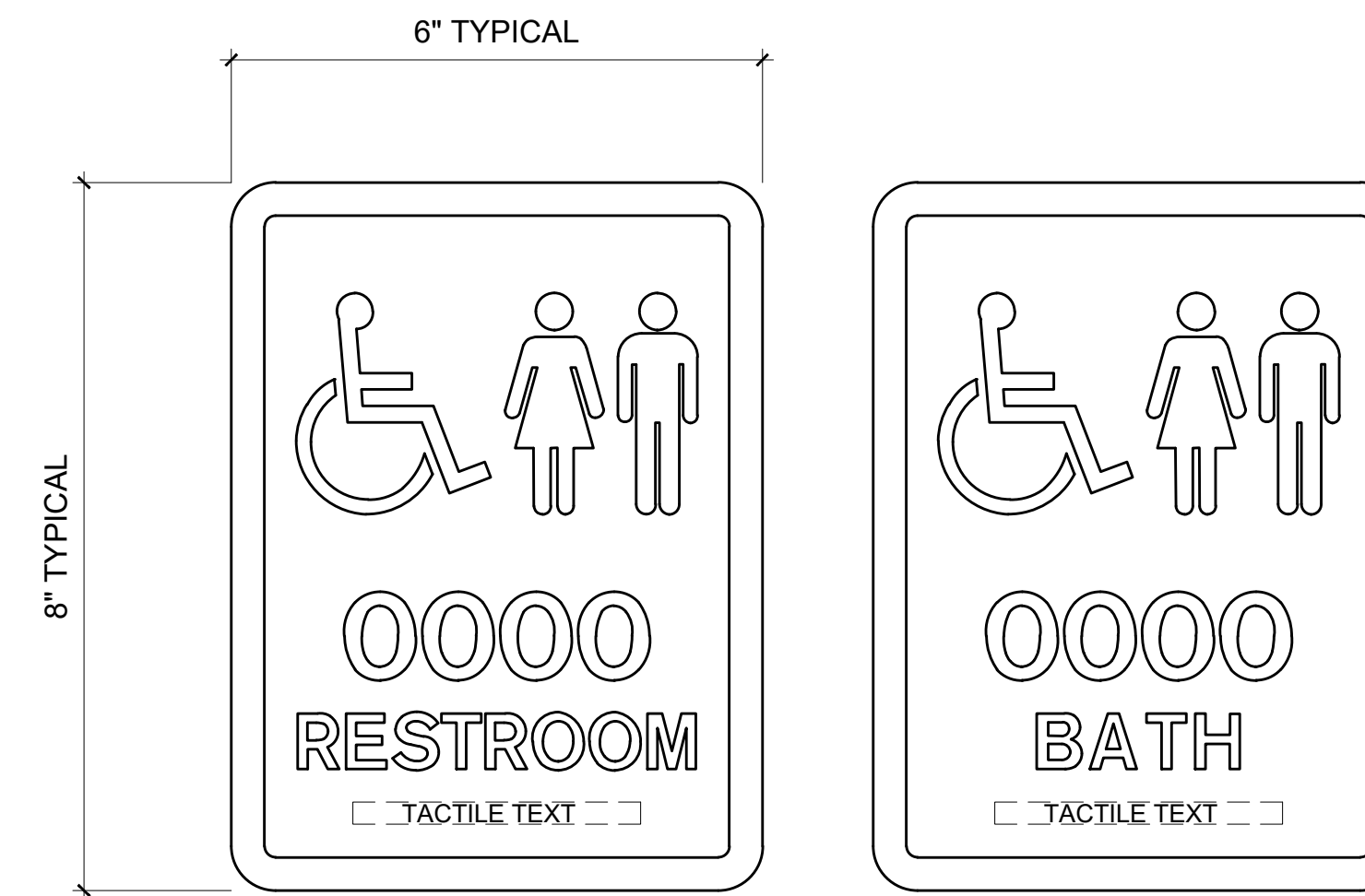
**A** TYPICAL ROOM SIGNAGE

SCALE: 6" = 1'-0"



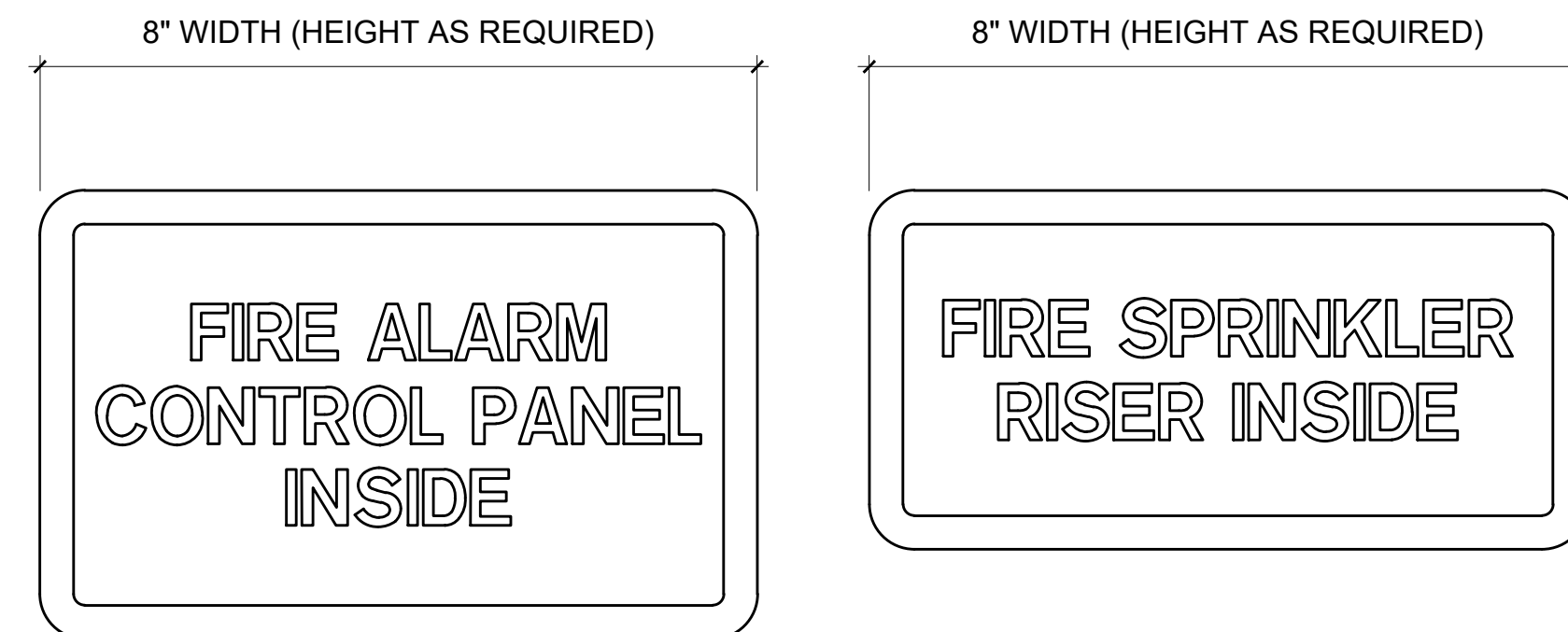
**B** OFFICE SIGNAGE

SCALE: 6" = 1'-0"



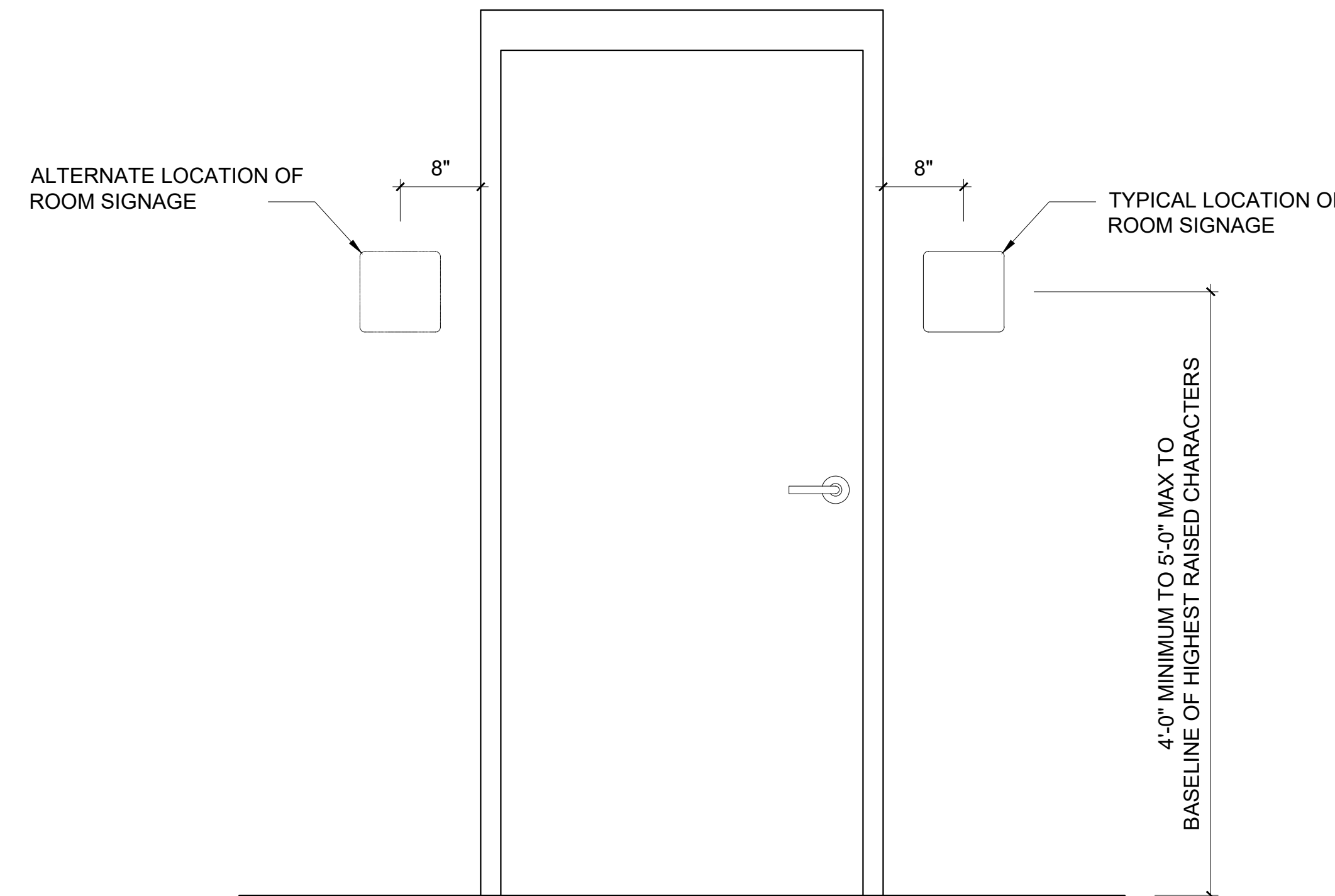
**C** TYPICAL SIGNAGE AT TOILET ROOMS

SCALE: 6" = 1'-0"



**D** LIFE SAFETY SIGNAGE

SCALE: 6" = 1'-0"

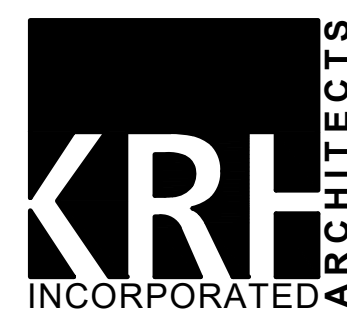


**E** SIGNAGE MOUNTING LOCATION

SCALE: 1" = 1'-0"

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STRUCTURAL STEEL:

DESIGN CODE:  
AMERICAN INSTITUTE OF STEEL CONSTRUCTION \*SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - 14TH EDITION (AISC)

- STEEL SHALL CONFORM TO THE FOLLOWING GRADES:  

STRUCTURAL W-SHAPES	ASTM A992 (Fy=50ksi)
ALL CHANNELS, ANGLES, PLATES, ETC. (UNO)	ASTM A36 (Fy=36ksi)
STRUCTURAL TUBES	ASTM A500 GRADE B (Fy=48ksi)
STEEL PIPE	ASTM A501 (Fy=36ksi)
ANCHOR RODS	ASTM F1554 (Fy=36ksi)
HIGH STRENGTH BOLTS	ASTM A325
HEX NUTS - GRADE A	ASTM A563
WELDING ELECTRODES	E70xx HARDENED STEEL
WASHERS - TYPE I	ASTM F436

- ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE (2010) EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS.

- THE STEEL STRUCTURE IS A NON-SELF-SUPPORTING STEEL FRAME AND IS DEPENDENT UPON DIAPHRAGM ACTION OF THE METAL ROOF DECK AND ATTACHMENT TO THE MASONRY WALLS AND METAL STUD SHEAR WALLS FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES. PROVIDE ALL TEMPORARY SUPPORTS REQUIRED FOR STABILITY AND FOR RESISTANCE TO WIND AND SEISMIC FORCES UNTIL THESE ELEMENTS ARE COMPLETE AND ARE CAPABLE OF PROVIDING THIS SUPPORT.

- THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS SHOWN ON THE STRUCTURAL DRAWINGS. CONNECTIONS SHOWN ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED. CONNECTION DETAILS INDICATED ON THE DRAWINGS SHALL BE INCORPORATED INTO FABRICATOR'S CONNECTION DESIGN ONLY AS THEY ARE DEEMED APPROPRIATE AND ADEQUATE. BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH AISC 14TH EDITION \*SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS\*.

- SPlicing OF STEEL MEMBERS UNLESS SHOWN ON THE DRAWINGS IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.

- NO HOLES SHALL BE CUT IN ANY STEEL ELEMENT UNLESS THEY ARE DETAILED ON THE DRAWINGS.

- UNLESS NOTED OTHERWISE, BEAMS SHALL BEAR 8" MINIMUM ON CONCRETE OR MASONRY. ANCHOR BEAMS TO MASONRY WITH TWO 5/8" DIAMETER ANCHOR RODS WITH 1'-0" EMBEDMENT INTO GROUT FILLED MASONRY.

- WHERE BEAMS INTERSECT AT THE TERMINATING ELEVATION OF A COLUMN, THE BEAM WITH THE GREATEST REACTION SHALL BEAR ON TOP OF THE COLUMN UNLESS NOTED OTHERWISE ON DRAWINGS. WHERE BEAMS INTERSECT AT THE INTERMEDIATE ELEVATION OF A COLUMN, THE FRAMING BEAMS SHALL BE CONNECTED TO THE COLUMNS WITH A WT CONNECTION. FIN PLATE CONNECTIONS ARE NOT PERMITTED.

- CONNECTIONS FOR NON-COMPOSITE BEAMS WHICH CANNOT CONFORM TO AISC TYPICAL CONNECTION DETAILS SHALL BE DETAILED IN ACCORDANCE WITH THE FOLLOWING:
  - WHERE BEAM REACTIONS ARE NOT SHOWN ON THE DRAWINGS, CONNECTIONS SHALL BE DESIGNED FOR ONE-HALF THE MAXIMUM UNIFORM LOAD WHICH THE BEAM WILL SUPPORT (AS SIMPLE SPAN) FOR THE SPAN SHOWN ON THE DRAWINGS. (TABLE 3-6, AISC 14TH EDITION)
  - WHERE CONNECTIONS ARE SUBJECT TO ECCENTRICITY, SUCH ECCENTRICITY SHALL BE TAKEN INTO ACCOUNT WHEN DESIGNING THE CONNECTION.
  - WHERE CONNECTIONS SUPPORT BEAMS WHICH ARE SUBJECT TO CONCENTRATED LOADS, SUCH CONCENTRATED LOADS SHALL BE TAKEN INTO ACCOUNT WHEN DESIGNING THE CONNECTION.
  - BOLTED CONNECTIONS SHALL BE BEARING TYPE WITH A325 BOLTS. MINIMUM DIAMETER OF ALL BOLTS SHALL BE 3/4", MAX. DIA. 1 1/8". PROVIDE AT LEAST 2 BOLTS PER CONN. TIGHTENED "SNUG TIGHT".
  - END CONNECTIONS OF FLOOR MEMBERS SHALL ACCOMMODATE END ROTATIONS OF SIMPLE, UNRESTRAINED BEAMS. FOR THIS PURPOSE, INELASTIC ACTION IN THE CONNECTION IS PERMITTED.
  - COPED OR CUT ENDS OF MEMBERS SHALL BE REINFORCED WHERE REQUIRED TO SUSTAIN THE SPECIFIED REACTIONS.

- TENSILE CONNECTIONS SHALL BE DESIGNED FOR A FORCE RESULTING FROM MULTIPLYING THE GROSS AREA BY 20 KSI.

- FABRICATE AND ERECT MEMBERS WITH NATURAL CAMBER UP.

- STRUCTURAL STEEL CONTRACTOR TO PROVIDE DECK SUPPORT ANGLES AS REQ'D (L3x3x1/4 MINIMUM UNO). THE CONTINUOUS ANGLE AT THE ROOF PERIMETER SHALL BE SPICED SUCH THAT THE FULL TENSION FORCE THAT CAN BE DEVELOPED BY THE ANGLE WILL BE TRANSFERRED THROUGHOUT THE SPLICE.

- UNLESS OTHERWISE SHOWN ON DRAWINGS, SIZE OF WELDS SHALL NOT BE SMALLER THAN 3/16". ALL WELDED JOINTS SHALL CONFORM TO THE PROVISIONS OF AWS D1.1. STRUCTURAL WELDING CODE BY AMERICAN WELDING SOCIETY. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.

- THE CONTRACTOR SHALL PROVIDE, AT NO ADDITIONAL COST, ALL ADDITIONAL STEEL CONNECTIONS, GUYING, ETC. REQUIRED FOR ERECTION.

- OBTAIN ALL FIELD MEASUREMENTS REQUIRED FOR PROPER FABRICATION AND INSTALLATION OF WORK PRIOR TO DETAILING. PRECISE MEASUREMENTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

- PROVIDE STIFFENERS FINISHED TO BEAR UNDER ALL LOAD CONCENTRATIONS ON SUPPORTING MEMBERS, ON ALL MEMBERS FRAMING OVER COLUMNS, AT BEAM COLUMN JOINTS (AS REQUIRED BY THE AISC SPECIFICATIONS) AND WHERE SHOWN ON THE DRAWINGS.

- SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND ELEVATIONS OF LOOSE LINTELS.

- THE FABRICATOR SHALL BE RESPONSIBLE FOR ALL ERRORS OF DETAILING ON THE SHOP DRAWINGS, ERRORS IN FABRICATION, AND FOR THE CORRECT FITTING OF STRUCTURAL STEEL MEMBERS.

- WELDING INSPECTION SHALL MEET REQUIREMENTS AS STATED IN THE SCHEDULE OF SPECIAL INSPECTIONS.

- ALL STRUCTURAL STEEL NOT RECEIVING FIRE PROOFING SHALL RECEIVE ONE SHOP COAT OF RUST INHIBITIVE PRIMER.

CONCRETE:

- ALL CONCRETE DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318-14.

- CEMENT USED SHALL BE TYPE I OR III CONFORMING TO ASTM C-150. CONCRETE SHALL DEVELOP A MINIMUM 28 DAY STRENGTH AND DENSITY AS FOLLOWS:

	STRENGTH (PSI)	DENSITY (PCF)
FOOTINGS, 4" SLAB ON GRADE	3000	145 - 150
6" SLAB ON GRADE	4000	145 - 150

- AGGREGATE SHALL BE WELL GRADATED AND SHALL CONFORM TO THE FOLLOWING:  

ALL ELEMENTS	1" COARSE AGGREGATE
(DENSITY 145 - 150 PCF)	(ASTM C-33)

- CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR REVIEW IN ADVANCE OF CONCRETE PLACEMENT. CONCRETE MIX DESIGN SHALL INCLUDE ALL STRENGTH DATA NECESSARY TO SHOW COMPLIANCE WITH THE PROJECT SPECIFICATIONS BY EITHER THE TRIAL BATCH OR FIELD EXPERIENCE METHOD AND SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA. RESULTS OF ALL COMPRESSIVE STRENGTH TEST SHALL BE MADE AVAILABLE AT THE JOB SITE FOR REVIEW BY THE INSPECTOR.

- ALL MIXING, TRANSPORTING, PLACING AND CURING OF CONCRETE SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN CONCRETE INSTITUTE.

- NO ADDITIONAL WATER SHALL BE ADDED TO CONCRETE AT THE JOB SITE.

- MINIMUM CONCRETE COVER UNLESS NOTED OTHERWISE:
 

A. #11 BARS AND SMALLER	3/4 INCHES
B. UNFORMED SURFACE IN CONTACT WITH THE GROUND:	3 INCHES
C. BASEMENT WALLS:	2 INCHES EXTERIOR 3/4 INCHES INTERIOR
D. FORMED SURFACES EXPOSED TO EARTH OR WEATHER:	
#6 BARS AND LARGER:	2 INCHES
#5 BARS AND SMALLER:	1 1/2 INCHES
E. FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER:	
BEAMS, GIRDERS AND COLUMNS:	1 1/2 INCHES
SLABS, WALLS, AND JOISTS:	3/4 INCHES

- SLAB-ON-GRADE SHALL BE SAW CUT NO MORE THAN 12 HOURS AFTER CONCRETE HAS BEEN FINISHED. CONTRACTOR TO SUBMIT LAYOUT AND CONSTRUCTION SCHEDULE ("SOFT-CUT" INTERNATIONAL OR SIM.)

- PLACEMENT OF CONCRETE, COLD WEATHER AND HOT WEATHER PRECAUTIONS, MATERIAL AND PROPORTIONING REQUIREMENTS, REBAR COVER AND DETAILING SHALL CONFORM TO REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE (ACI) 318-14.

- REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS FOR SLAB FINISHES, SLAB DEPRESSIONS, ELEVATIONS AND ENCASED OR EMBEDDED ITEMS.

- PIPES AND CONDUITS EMBEDDED IN CONCRETE SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

- NO MATERIAL HARMFUL TO CONCRETE (SUCH AS, BUT NOT LIMITED TO, ALUMINUM) IS PERMITTED.
- NO EMBEDMENT OR PENETRATION WHICH IMPAIRS THE STRUCTURAL STRENGTH OR INTEGRITY IS PERMITTED.
- CONDUITS AND PIPES SHALL NOT HAVE A DIAMETER THAT EXCEEDS 1/3 THE OVERALL THICKNESS OF THE STRUCTURAL ELEMENT IN WHICH THEY ARE EMBEDDED.
- MINIMUM CENTER TO CENTER SPACING SHALL NOT BE CLOSER THAN 3 DIAMETERS OR WIDTHS.
- PLACEMENT SHALL OCCUR ABOVE BOTTOM LAYER OF REINFORCEMENT AND BELOW TOP LAYER OF REINFORCEMENT AND SHALL NOT CAUSE REINFORCEMENT TO BE CUT, BENT OR DISPLACED IN ANY MANNER.
- PLACEMENT SHALL MAINTAIN A MINIMUM CLEARANCE FROM REINFORCEMENT OF 3 REINFORCING BAR DIAMETERS OR 3/4" FROM WELDED WIRE FABRIC REINFORCEMENT.
- PLUMBING AND ELECTRICAL CONDUITS SHALL BE PLACED BELOW SLAB ON GRADE.

- UNLESS NOTED OTHERWISE, PROVIDE CONTROL JOINTS IN SLABS ON GRADE NOT TO EXCEED 15 FEET ON CENTER IN EACH DIRECTION, UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER.

- FORMING SHALL BE OF WOOD, STEEL, OR FIBERGLASS OF SATISFACTORY QUALITY AND CONDITION.

- NO ADMIXTURES SHALL BE ADDED TO THE CONCRETE UNLESS APPROVED BY THE ENGINEER.

- REINFORCING SHALL CONFORM TO ASTM A615, GR60 UNLESS NOTED OTHERWISE.

- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 GRADE 60.

- REINFORCING STEEL AND ACCESSORIES SHALL BE DETAILED IN ACCORDANCE WITH ACI 315 (MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES) AND CRSI MSP-1 (MANUAL OF STANDARD PRACTICE), LATEST EDITION.

- ALL "CONTINUOUS" REINFORCEMENT SHALL HAVE MINIMUM LAP OF "B" TYPE (ACI 318-14, SECTION 25.5.2) AT SPLICES UNLESS NOTED OTHERWISE.

- PROVIDE REINFORCING CHAIRS FOR ALL SLAB-ON-GRADE REINFORCING.

- SUBMIT REINFORCING PLACEMENT AND DETAIL (SHOP) DRAWINGS FOR REVIEW. NO REINFORCING BARS SHALL BE INSTALLED UNTIL THE SHOP DRAWINGS HAVE BEEN REVIEWED AND RETURNED.

- ALL REINFORCING SHALL BE SUPPORTED IN FORMS SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER IN ACCORDANCE WITH CRSI "MANUAL OF STANDARD PRACTICE" (27TH EDITION).

- WHERE WELDED WIRE FABRIC REINFORCEMENT IS SPECIFIED IN SLABS ON GRADE PLACEMENT SHALL BE 1" BELOW TOP OF SLAB. OVERLAP EACH REINFORCING SHEET TWO FULL PANELS AND TIE CROSS WIRES ON EACH SIDE.

- SCHEDULED OR DETAILED REINFORCING STEEL SHALL NOT BE TACK WELDED FOR ANY REASON. WELDED REINFORCING STEEL AND/OR SPLICES ARE PERMITTED ONLY WHERE SHOWN ON DRAWINGS. WHERE WELDING IS PERMITTED IT SHALL CONFORM TO AWS D1.4, STRUCTURAL WELDING CODE - REINFORCING STEEL.

- BASE PLATES, ANCHOR RODS, SUPPORT ANGLES, ETC. BELOW GRADE SHALL BE COVERED WITH A MINIMUM OF 4" OF CONCRETE.

- WHERE FOOTINGS, WALLS, OR OTHER STRUCTURAL ELEMENTS INTERSECT, CORNER OR TEE, PROVIDE CORNER BARS WITH REQUIRED LAP LENGTHS TO PROVIDE CONTINUITY OF HORIZONTAL STEEL REINFORCING UNLESS NOTED OTHERWISE.

- SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, SLOPE, AND LOCATION OF DEPRESSED FLOOR AREAS. THE CONTRACTOR SHALL COMPARE STRUCTURAL SECTIONS WITH THE ARCHITECTURAL SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATING OR INSTALLING STRUCTURAL MEMBERS.

- PRINCIPAL OPENINGS THROUGH THE FRAMING ARE SHOWN ON THESE DRAWINGS. OPENINGS 1'-4" IN WIDTH OR LENGTH (AND LESS) ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. THE GENERAL CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL REQUIRED OPENINGS. ALL MECHANICAL OPENING LOCATIONS, UNIT OPERATING WEIGHTS, AND SIZES SHALL BE VERIFIED IF THE FOLLOWING CRITERIA ARE SATISFIED:  
 A. A COST SAVINGS TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH THE REQUEST.  
 B. THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE INTERNATIONAL CODE COUNCIL (ICC) AND THE ICC-ES REPORT IS SUBMITTED WITH THE REQUEST.  
 SUBMITTALS NOT SATISFYING THE ABOVE CRITERIA WILL NOT BE CONSIDERED.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES IN ORDER TO COMPLY WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.

SUBMITTALS:

- STRUCTURAL DRAWINGS GIVE REPRESENTATIVE DETAILS AND ARE NOT INTENDED TO SHOW ALL CONDITIONS THAT MAY BE PRESENT. SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH THE SPECIFIC REQUIREMENTS AS INDICATED IN THE PROJECT DOCUMENTS.

- CONTRACTOR SHALL SUBMIT A SCHEDULE OF SHOP DRAWING SUBMITTAL DATES TO ARCHITECT AT LEAST 30 DAYS PRIOR TO FIRST SUBMITTAL. FAILURE TO SUBMIT DRAWINGS ON DESIGNATED DATE MAY IMPACT REVIEW SCHEDULE.

- ANY MATERIALS OR PRODUCTS SUBMITTED FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIALS OR PRODUCTS SPECIFIED IN THE STRUCTURAL CONTRACT DOCUMENTS WILL BE CONSIDERED ONLY IF THE FOLLOWING CRITERIA ARE SATISFIED:  
 A. A COST SAVINGS TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH THE REQUEST.  
 B. THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE INTERNATIONAL CODE COUNCIL (ICC) AND THE ICC-ES REPORT IS SUBMITTED WITH THE REQUEST.  
 SUBMITTALS NOT SATISFYING THE ABOVE CRITERIA WILL NOT BE CONSIDERED.

- REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.

- COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL FABRICATED AND SPECIALTY BUILDING COMPONENTS INCLUDING (BUT NOT LIMITED TO) WINDOW SYSTEMS, CANOPY SYSTEMS, AND METAL STAIRS. SHOP DRAWINGS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA.

- ALL APPROVED SUBMITTALS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, SHALL BE MADE AVAILABLE ON THE JOBSITE FOR REVIEW BY THE INSPECTOR.

- REPRODUCTION OF CONTRACT DOCUMENTS FOR USE AS SHOP DRAWINGS IS NOT PERMITTED.

FOUNDATIONS:

- FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUSTAINING AN ASSUMED NET ALLOWABLE BEARING PRESSURE OF 2.5 KSF FOR INDIVIDUAL COLUMN FOOTINGS AND 2.5 KSF FOR CONTINUOUS WALL FOOTINGS UNDER FULL SERVICE LIVE AND DEAD LOAD.

- THE SITE SHALL BE PREPARED IN ACCORDANCE WITH THE CIVIL DRAWINGS, PROJECT SPECIFICATIONS, AND THE GEOTECHNICAL REPORT. "REPORT OF SURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION" PREPARED BY [CHEROKEE COUNTY BOARD OF COMMISSIONERS @ 1130 BLUFFS PARKWAY, CANTON, GA 30114] AND DATED (DECEMBER 4, 2023, NOVA PROJECT# - 10102-2023224). A QUALIFIED GEOTECHNICAL ENGINEER, LICENSED IN THE STATE OF GEORGIA, SHOULD VERIFY ALL THE ASSUMPTIONS IN THE AFOREMENTIONED REPORT AND NOTIFY THE ENGINEER OF ANY VARIATIONS OR DISCREPANCIES WITH ACTUAL, CURRENT FIELD CONDITIONS.

- THE FOOTINGS HAVE BEEN POSITIONED AT THE ESTIMATED ELEVATION WHICH WILL PROVIDE SUITABLE BEARING. HOWEVER, IF ADEQUATE BEARING CAPACITY IS NONEXISTENT AT THESE ESTIMATED ELEVATIONS, THE FOOTING SHALL BE LOWERED TO AN ELEVATION WHERE THE PRESCRIBED SAFE BEARING CAPACITY EXISTS (AS RECOMMENDED BY A QUALIFIED GEOTECHNICAL ENGINEER).

- FOOTINGS MAY BE CAST INTO AN EARTH-FORMED TRENCH IF SOIL CONDITIONS PERMIT.

- EXCAVATION FOR FOOTINGS SHALL BE CUT TO ACCURATE SIZE AND DIMENSIONS AS SHOWN ON PLANS. ALL SOIL BELOW SLABS AND FOOTINGS SHALL BE PROPERLY COMPACTED AND SUBGRADE BROUGHT TO A REASONABLE TRUE AND LEVEL PLANE BEFORE PLACING CONCRETE.

- IN AREA OF THE BUILDING, EXISTING ORGANIC MATERIAL, UNSUITABLE SOIL, ABANDONED FOOTINGS AND ANY OTHER EXISTING UNSUITABLE MATERIALS SHALL BE REMOVED. ANY CUT AND FILL REQUIREMENTS SPECIFIED BY CIVIL SHALL BE AS INSTALLED PURSUANT TO THE GEOTECHNICAL REPORT NOTED IN ITEM 2 OF THIS SECTION.

- FOOTING CONCRETE SHALL BE CAST ON THE SAME DAY THE EXCAVATION IS APPROVED. IF THE BEARING SURFACE IS ALLOWED TO BECOME DISTURBED IN ANY WAY, IT SHALL BE REWORKED TO THE SATISFACTION OF AN INDEPENDENT TESTING AGENCY PRIOR TO CASTING OF THE CONCRETE.

- ALL EXCAVATIONS AND STRUCTURE BEARING PADS SHALL BE INSPECTED BY AN INDEPENDENT TESTING AGENCY PRIOR TO CONCRETE PLACEMENT. THE INDEPENDENT TESTING AGENCY SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL.

- BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 1'-6" BELOW FINAL GRADE FOR FROST PROTECTION.

- NO EXCAVATION SHALL BE CLOSER THAN AT A SLOPE OF 2:1 (2 HORIZONTAL TO 1 VERTICAL) TO A FOOTING. PROVIDE SHORING AND PROTECTION FOR EXCAVATION BANKS AS NECESSARY TO PRESERVE SAFETY AND PREVENT CAVING.

- ALL BEARING STRATA SHALL BE ADEQUATELY DRAINED BEFORE FOUNDATION CONCRETE IS PLACED.

- BACKFILL AGAINST WALLS SHALL BE PLACED IN 8" LIFTS AND SHALL BE DEPOSITED EVENLY AGAINST EACH SIDE OF WALL UNTIL THE LOWER FINAL GRADE IS REACHED. BACKFILL SHALL NOT BE PLACED AGAINST WALLS DEPENDENT UPON TOP AND BOTTOM SLABS/FOUNDATION FOR SUPPORT UNTIL SUCH SLABS HAVE ATTAINED MINIMUM SUFFICIENT BRACING AND SHORING FOR ALL WORK DURING THE CONSTRUCTION PROCESS. RETAINING WALLS ARE NOT DESIGNED TO CANTILEVER AT ANY TIME UNLESS EXPLICITLY NOTED ON DRAWINGS.

- THE CONTRACTOR SHALL PROVIDE AN ADEQUATE DRAINAGE SYSTEM FOR ALL BACKFILL CONDITIONS PER CIVIL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

- COLUMN FOOTINGS AND WALL FOOTINGS SHALL BE POURED MONOLITHIC WITH TOPS OF ADJACENT FOOTINGS AT THE SAME ELEVATION.

- THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN ANY FOOTING WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER.

DESIGN:

BUILDING CODE: INTERNATIONAL BUILDING CODE 2018 (IBC) W/GEORGIA STATE AMENDMENTS

WIND:

V<sub>ULT</sub>: 118 MPH  
 V<sub>EXP</sub>: 91.5 MPH  
 EXPOSURE CATEGORY B  
 COMPONENTS AND CLADDING: COMPONENTS AND CLADDING ELEMENTS NOT SPECIFICALLY DESIGNED ON THESE DRAWINGS SHALL BE DESIGNED ACCORDING TO THE WIND PRESSURES STIPULATED BY IBC 2018 FOR THE TRIBUTARY AREA OF THE SPECIFIC COMPONENT.

MIN DESIGN PRESSURE = 37 PSF (WALLS, 100 SQ FT, NON-END ZONE)

BASE SHEAR:  
 V<sub>x</sub> = 22.5 KIPS  
 V<sub>y</sub> = 13.0 KIPS

SNOW:

GROUND SNOW LOAD = 5 PSF  
 I<sub>s</sub> = 1.2  
 FLAT ROOF SNOW LOAD = 4 PSF  
 SNOW EXPOSURE FACTOR C<sub>e</sub> = 0.9 SNOW THERMAL FACTOR C<sub>t</sub> = 1.0

SEISMIC:

RISK CATEGORY IV  
 I<sub>E</sub> = 1.5 I<sub>P</sub> = 1.5  
 SDS = 0.21 SD1 = 0.092  
 SITE CLASS = C  
 SEISMIC DESIGN CATEGORY = C  
 ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

BASE SEISMIC SHEAR:  
 V<sub>x</sub> = 13 KIPS  
 V<sub>y</sub> = 16 KIPS

SEISMIC RESISTING SYSTEM:

BEARING WALL/INTERMEDIATE REINFORCED MASONRY SHEAR WALLS  
 R = 3/12 Ω<sub>a</sub> = 2 1/2 CD = 2

LIGHT-FRAME WALLS WITH SHEAR PANELS OF ALL OTHER MATERIALS  
 R = 6/12 Ω<sub>a</sub> = 2 1/2 CD = 2

SHEET INDEX:

S0.1 GENERAL NOTES  
 S0.2 GENERAL NOTES  
 S0.3 GENERAL NOTES  
 S1.0 DEMOLITION PLAN  
 S1.1 FOUNDATION PLAN  
 S2.1 ROOF FRAMING PLAN  
 S3.1 SECTIONS & DETAILS  
 S3.2 SECTIONS & DETAILS  
 S4.1 TYPICAL SECTIONS & DETAILS  
 S4.2 TYPICAL SECTIONS & DETAILS

MISCELLANEOUS:

- THE FOLLOWING NOTES APPLY TO ALL PROJECT RELATED STRUCTURAL DRAWINGS. THIS INCLUDES THESE DRAWINGS, FIELD SKETCHES AND RESPONSES TO REQUESTS FOR INFORMATION (RFIs), UNLESS OTHERWISE INDICATED.
- THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- STRUCTURAL DRAWINGS SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PERTINENT ASPECTS OF ALL DISCIPLINES INTO THEIR SHOP DRAWINGS AND WORK, AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR OMISSIONS.
- NO OPENINGS OR MODIFICATIONS SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT.
- NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT.
- THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL DESIGN, ADEQUACY, SAFETY AND STABILITY OF TEMPORARY BRACING AND SHORING THAT MAY BE REQUIRED AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURAL FRAMING. APPLIED CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF ANY STRUCTURAL BUILDING ELEMENT.
- THE CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION LIFECYCLE.
- DO NOT SCALE THESE DRAWINGS; USE DIMENSIONS. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS, SEE ARCHITECTURAL DRAWINGS.
- THE CONTRACTOR SHALL INFORM THE PROFESSIONAL OF RECORD IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY OF SUCH DEVIATION BY THE PROFESSIONAL OF RECORD, REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC. UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION AT THE TIME OF SUBMISSION AND THE ARCHITECT HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
- WHERE A SECTION OR DETAIL IS CUT ON THE PLAN, IT IS UNDERSTOOD TO BE REPRESENTATIVE OF ALL LIKE OR SIMILAR CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.
- AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOBSITE INCLUDING SAFETY OF PERSONS AND PROPERTY. THE ARCHITECTS OR ENGINEERS PRESENCE AT THE JOB SITE OR REVIEW OF WORK DOES NOT IMPLY CONFIRMATION OF THE ADEQUACY OF THE CONTRACTOR'S MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE COMPLIANCE WITH OSHA REGULATIONS.
- CONSULT ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATION, SIZES, AND EXTENT OF CHASES, INSERTS, RECESSES, RIDGES, FINISHES, DEPRESSIONS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF RECORD IN WRITING OF ALL CONDITIONS ENCOUNTERED IN THE FIELD THAT ARE CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL DRAWINGS.
- STRUCTURAL CONTRACT DOCUMENTS SHALL NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR ANY MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR OR SUBCONTRACTOR.
- REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AND PUBLISHED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.

**MASONRY:**

- ALL MASONRY DESIGN AND CONSTRUCTION SHALL CONFORM TO TMS 402-16.
- MASONRY SHALL BE MEDIUMWEIGHT AND HAVE A MINIMUM COMPRESSIVE STRENGTH,  $f_m$ , OF 1500 PSI BASED ON GROSS AREA. MORTAR SHALL CONFORM TO ASTM C270 TYPE S OR M. GROUT SHALL CONFORM TO ASTM C476, WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
- REINFORCING BARS SHALL CONFORM TO ASTM A 615 GRADE 60 UNLESS NOTED OTHERWISE.
- CONTINUOUS WIRE REINFORCING (JOINT REINFORCING) SHALL BE GALVANIZED LADDER TYPE FABRICATED UNITS WITH A SINGLE PAIR OF 9 GA DIAMETER SIDE RODS AND CROSS RODS FABRICATED FROM COLD DRAWN STEEL WIRE COMPLYING WITH ASTM A82. JOINT REINFORCING SHALL BE SPACED AT 16" O.C. VERTICALLY IN ALL MASONRY WALLS UNLESS NOTED OTHERWISE. PROVIDE HOOK AND EYE VENEER REINFORCING IN ALL EXTERIOR WALLS.
- VERTICAL CONTROL JOINTS IN MASONRY WALLS ARE NOT INDICATED ON THESE DRAWINGS. HORIZONTAL BOND BEAM AND LINTEL REINFORCING SHALL BE CONTINUOUS ACROSS VERTICAL CONTROL JOINTS. HORIZONTAL JOINT REINFORCING (DUR-O-WALL) SHALL BE TERMINATED ON EITHER SIDE OF VERTICAL CONTROL JOINTS. WALLS SHORTER THAN 15'-0" IN LENGTH SHALL NOT HAVE VERTICAL CONTROL JOINTS.
  - AT EXTERIOR WALLS, SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF VERTICAL CONTROL JOINTS. JOINTS SHALL BE PLACED AT A SPACING NOT TO EXCEED 30'-0" ON CENTER. JOINTS SHALL NOT BE LOCATED CLOSER THAN 2'-6" TO THE JAMB OF ANY EXTERIOR WALL OPENING. JOINTS SHALL NOT BE LOCATED FURTHER THAN 15'-0" FROM ANY CORNER, NOR CLOSER THAN 5'-0" FROM ANY CORNER.
  - AT INTERIOR SHEAR WALLS, JOINTS SHALL BE PLACED AT A SPACING NOT TO EXCEED 30'-0" ON CENTER. JOINTS SHALL NOT BE LOCATED CLOSER THAN 2'-6" TO THE JAMB OF ANY SHEAR WALL OPENING. JOINTS SHALL NOT BE LOCATED FURTHER THAN 15'-0" FROM ANY CORNER, NOR CLOSER THAN 5'-0" FROM ANY CORNER.
  - AT INTERIOR NON-SHEAR WALLS, VERTICAL CONTROL JOINTS SHALL BE PLACED AT A SPACING NOT TO EXCEED 30'-0" ON CENTER. JOINTS SHALL BE LOCATED AT WALL JAMBS, WHERE PRACTICAL, AND SHALL STEP 8" HORIZONTALLY AT MASONRY LINTEL LOCATIONS. WHERE WALLS SIT ON TOP OF A CAST SLAB-ON-GRADE, ALIGN WALL CONTROL JOINTS WITH SLAB CONTROL JOINTS. JOINTS SHALL BE LOCATED AT ALL CORNER/TEE INTERSECTIONS WHERE THE LEGS OF EACH CORNER/TEE EXCEED 15'-0" IN LENGTH.
- MASONRY PILASTERS SHALL BE LOCATED ADJACENT TO CONTROL OR EXPANSION JOINTS PER TYPICAL DETAILS.
- ALL REINFORCED CELLS AND ALL CELLS BELOW FINISH FLOOR SHALL BE GROUTED SOLID.
- WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL BLOCK CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN SIX VERTICAL. DOWELS MAY BE GROUTED INTO A CELL IN VERTICAL ALIGNMENT EVEN THOUGH IT IS IN AN ADJACENT CELL TO THE VERTICAL WALL REINFORCING.
- REINFORCING STEEL SHALL BE SECURED IN PLACE BEFORE GROUTING STARTS.
- VERTICAL BARS SHALL BE HELD IN POSITION WITH PRE-MANUFACTURED TIES AT TOP AND BOTTOM AND AT INTERVALS NOT EXCEEDING 200 DIAMETERS OF THE REINFORCING NOR 10 FEET.
- VERTICAL CELLS THAT WILL BE GROUTED SHALL HAVE A VERTICAL ALIGNMENT TO MAINTAIN A CONTINUOUS UNOBSTRUCTED CELL AREA NOT LESS THAN 2'-1/2" x 3'.
- GROUTING SHALL BE STOPPED 1-1/2" BELOW THE TOP OF A COURSE SO AS TO FORM A KEY AT THE POUR JOINT.
- GROUTING OF MASONRY BEAMS OVER OPENINGS SHALL BE DONE IN ONE CONTINUOUS OPERATION.
- ALL BOLTS INSERTED IN THE WALLS SHALL BE GROUTED SOLIDLY INTO POSITION.
- WHERE EXPANSION BOLTS OR OTHER ANCHORS ARE EMBEDDED INTO THE SIDE OF MASONRY WALLS, THE CELLS SHALL BE FULLY GROUTED AT LEAST 8" ABOVE AND BELOW EACH BOLT OR ANCHOR.
- WHERE NOT OTHERWISE SHOWN, MASONRY WALL FOOTINGS SHALL BE 12" THICK AND HAVE A MINIMUM OF 4" PROJECTION ON EACH SIDE OF WALL. REINFORCE WITH (2) #5 BARS CONTINUOUS TOP AND BOTTOM.
- WALLS SHALL BE GROUTED USING LOW LIFT GROUTING TECHNIQUES.
- ALL MASONRY WALLS SHALL BE ASSUMED TO BE RUNNING BOND, UNLESS NOTED OTHERWISE IN PLAN OR SECTION.
- MASONRY MORTAR SHALL BE TYPE "S" AND CONFORM TO ASTM C-270

**COLD FORM METAL FRAMING (METAL STUDS):**

- METAL STUDS SHALL BE FABRICATED AND ERECTED PER 2016 AISI "NORTH AMERICAN SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".
- UNLESS NOTED OTHERWISE, TRACKS SHALL BE SAME DEPTH AS STUDS AND EQUAL OR THICKER GAUGE THAN STUDS. TRACKS SHALL BE CONNECTED TO SUPPORTS AT 16" OC MAX.
- ALL 43 MIL MATERIAL (AND LESS) SHALL HAVE A MINIMUM YIELD OF 33,000 PSI (UNLESS NOTED OTHERWISE). ALL 54 MIL MATERIAL (AND GREATER) SHALL HAVE A MINIMUM YIELD OF 50,000 PSI (UNLESS NOTED OTHERWISE).
- THE CONTRACTOR SHALL SUBMIT THE FOLLOWING:
  - SHOP DRAWINGS FOR ALL COMPONENTS AND INSTALLATIONS NOT FULLY DIMENSIONED OR DETAILED IN MANUFACTURER'S PRODUCT DATA.
  - PRODUCT CATALOG WITH SECTION AND MATERIAL PROPERTIES OF ALL MATERIAL.
- ALL STUDS AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A HOT-DIPPED, GALVANIZED COATING MEETING ASTM A653 G60 AND C955, U.N.O.

**6. INSTALLATION:**

- TRACKS:
  - INSTALL CONTINUOUS TRACKS SIZED TO MATCH STUDS. ALIGN TRACKS ACCURATELY TO LAYOUT AT BASE AND TOPS OF STUDS. PROVIDE FASTENERS AT CORNERS AND END OF TRACKS. ALL TRACK BUTT JOINTS SHALL BE SECURELY ANCHORED TO A COMMON STRUCTURAL ELEMENT, OR THEY SHALL BE BUTT WELDED OR SPLICED TOGETHER.
- WALL STUDS:
  - SECURE STUDS TO TOP AND BOTTOM RUNNER TRACKS BY SCREW FASTENING AT BOTH INSIDE AND OUTSIDE FLANGES. ATTACH STUDS WITH SLIP-TRACK CONNECTION TO UNDERSIDE OF BEAMS TO ALLOW 1" VERTICAL DEFLECTION OF STEEL BEAM (NOT APPLICABLE IN LOAD BEARING APPLICATIONS). AT LOAD BEARING APPLICATIONS, SLIP-TRACK CONNECTION SHALL ACCOMMODATE A DEFLECTION OF BEAM SPAN DIVIDED BY 240.
- SUPPLEMENTARY FRAMING:
  - PROVIDE BLOCKING AND BRACING IN METAL FRAMING SYSTEM WHEREVER WALL OR PARTITIONS ARE INDICATED TO SUPPORT FIXTURES, EQUIPMENT, SERVICE CASEWORK, HEAVY TRIM AND FURNISHINGS, AND SIMILAR WORK REQUIRING ATTACHMENT TO THE WALL OR PARTITION. WHERE TYPE OF SUPPLEMENTARY SUPPORT IS NOT OTHERWISE INDICATED, COMPLY WITH STUD MANUFACTURER'S RECOMMENDATIONS AND INDUSTRY STANDARDS IN EACH CASE, CONSIDERING WEIGHT OR LOADING RESULTING FROM ITEM SUPPORTED.
- WALL OPENINGS:
  - OPENINGS LARGER THAN 2 FEET SQUARE TO BE FRAMED WITH A MINIMUM OF DOUBLE STUDS AT EACH JAMB OR FRAME EXCEPT WHERE MORE ARE REQUIRED.
- ALL MEMBERS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED TO SUPPORTING MEMBERS.
- ALL SCREWS SHALL BE NON CORROSIVE NO. 12-14 STANDARD SELF DRILLING SCREWS UNLESS NOTED OTHERWISE ON DRAWINGS (DO NOT USE STAINLESS STEEL OR COPPER COATED FASTENERS).
- ALL SCREWS SHALL HAVE A MINIMUM EDGE DISTANCE OF 1" UNLESS NOTED OTHERWISE ON DRAWINGS.
- ALL SCREWS SHALL BE A MINIMUM OF 1" ON CENTER UNLESS NOTED OTHERWISE ON DRAWINGS.
- ALL METAL STUD WALLS SHALL HAVE WALL CONTINUOUS WALL BRIDGING @ 3'-6" OC MAXIMUM. CONTINUOUS BRIDGING MAY CONSIST OF 1 1/2" - 33 MIL STRAPS (2 1/2" - 43 MIL AT WALLS USED AS SHEAR WALLS OR WALLS WITH "X" STRAP BRACING). AS AN ALTERNATE TO STRAP BRIDGING, FOR 3 5/8" OR 4" STUDS ONLY, PROVIDE 1 1/2" CRC CHANNEL BRIDGING (150-U50-54 AT THE CENTERLINE OF STUDS WITH (2) #8 SCREWS PER ANGLE FLANGE.
- CONTINUOUS STUDS EACH SIDE OF HEADERS SHALL BE EQUAL TO THE NUMBER OF THE INTERRUPTED STUDS PLUS ONE STUD AT EACH SIDE. USE MINIMUM OF TWO (2) STUDS EACH SIDE.
- VOIDS BENEATH WALL TRACK SHALL NOT BE PERMITTED. WHERE UNEVENNESS OR SUPPORTING FLOOR PREVENTS CONTINUOUS SOLID BEARING, PANEL OR TRACK SHALL BE LEVELED BY PLACING MORTAR OR GROUT BENEATH TRACK.
- MINIMUM TRACK FASTENING INTO CONCRETE SHALL BE 0.145" DIAMETER POWDER ACTUATED FASTENERS AT 16" OC (UNO) WITH 3/4" PENETRATION INTO CONCRETE.

**LIGHT GAUGE METAL TRUSSES:**

- DESIGN, FABRICATIONS AND ERECTION SHALL CONFORM TO SECTION 2211.1.3 IN THE INTERNATIONAL BUILDING CODE, AND THE AISI "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.
- LIGHT-GAUGE METAL TRUSSES SHALL BE FULLY DESIGNED AND FABRICATED BY THE MANUFACTURER AND SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA.
- MANUFACTURER SHALL SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS BEARING SEAL AND SIGNATURE OF MANUFACTURER'S ENGINEER WITH ENGINEER'S SEAL FOR PROJECT STATE. SHOP DRAWINGS SHALL INCLUDE ALL THAT IS REQUIRED AS PART OF AISI S202 SECTION 11.2.1 TO INCLUDE:
  - PLACEMENT DIAGRAM AND DETAILS NECESSARY FOR DETERMINING FIT AND PLACEMENT OF TRUSSES IN THE BUILDING TO INCLUDE TRUSS SIZE OF MEMBERS, SPACING AND NUMBER OF PILES WHERE REQUIRED.
  - REACTIONS OF THE CONNECTIONS TO THE MAIN STRUCTURE
  - CONNECTIONS OF TRUSS MEMBERS TO THE MAIN STRUCTURE, AND TRUSS TO TRUSS CONNECTIONS.
  - PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING METHOD.
- DESIGN OF ALL COMPONENTS SHALL CONSIDER DEAD LOADS, LIVE LOADS, SHORT TERM LOADS AND ALL SPECIAL LOADS FROM ANY EQUIPMENT, FEATURES, ETC., INCLUDING LOADS POSTED ON STRUCTURAL DRAWINGS (IF APPLICABLE). TRUSS ELEMENTS SHALL BE CAPABLE OF TRANSMITTING A DIAPHRAGM FORCE OF 225 POUNDS PER LINEAL FOOT FROM THE ROOF DECK DIAPHRAGM TO THE MAIN BUILDING STRUCTURE (UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS).
- UNLESS OTHERWISE NOTED ON PLANS, TRUSS TOP CHORDS SHALL BE DESIGNED FOR 15 POUNDS PER SQUARE FOOT DEAD LOAD AND THE ROOF LIVE LOAD AS NOTED ON THE ROOF PLAN. TRUSS BOTTOM CHORDS SHALL BE DESIGNED FOR 5 PSF DEAD LOAD AND NO LIVE LOAD.
- MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS EXERTING LOADS ONTO TRUSSES SHALL BE COORDINATED BY THE GENERAL CONTRACTOR. RESULTING LOADS SHALL BE PROVIDED TO THE TRUSS DESIGNER AND SHALL BE APPLIED IN ADDITION TO TYPICAL UNIFORM LOADS.
- CONCENTRATED LOADS SHALL BE APPLIED AT PANEL POINTS ONLY. FIELD CONDITIONS RESULTING IN LOADS AT NON-PANEL POINT LOCATIONS WILL BE REPORTED BY THE CONTRACTOR DIRECTLY TO THE TRUSS DESIGNER FOR APPROVAL AND REINFORCEMENT (IF REQUIRED).
- TRUSS DEFLECTION SHALL BE LIMITED TO SPAN / 240 FOR DEAD PLUS LIVE CONDITION AND SPAN / 360 FOR LIVE LOAD CONDITION.
- NO ALTERATIONS OF ANY KIND ARE PERMITTED TO ANY TRUSS MEMBER WITHOUT PRIOR WRITTEN APPROVAL OF THE TRUSS DESIGNER.
- ALL LIGHT GAUGE METAL FRAMING SHALL BE GALVANIZED.
- LIGHT GAUGE METAL TRUSS FRAMING LAYOUT SHOWN ON STRUCTURAL FRAMING PLANS IS SHOWN FOR REFERENCE ONLY AND SHALL BE BY TRUSS DESIGNER.

**METAL ROOF DECK:**

- METAL ROOF DECK SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE SDI RD - 2017: STANDARD FOR STEEL ROOF DECK.
- THE METAL DECK WORK SHALL CONSIST OF FURNISHING EVERYTHING (LABOR, MATERIALS, ACCESSORIES, EQUIPMENT, ETC.) NECESSARY AND INCIDENTAL TO THE EXECUTION AND COMPLETION OF ALL METAL DECK WORK AS INDICATED AND SPECIFIED ON THE DRAWINGS.
- SUBMIT PLACEMENT AND DETAILED ("SHOP") DRAWINGS FOR REVIEW. NO METAL DECK SHALL BE INSTALLED UNTIL THE SHOP DRAWINGS HAVE BEEN REVIEWED AND RETURNED.
- METAL DECK SHALL CONFORM TO STEEL DECK INSTITUTE'S CURRENT STANDARDS.
- METAL DECK SHALL BE OF THE CONFIGURATION, DEPTH AND MINIMUM GAGE AS SHOWN ON THE DRAWINGS. ATTACHMENT TO THE SUPPORTING STRUCTURE SHALL BE AS SHOWN ON THE DRAWINGS AS A MINIMUM. SEE PLAN NOTES.
- DO NOT HANG OR SUPPORT ANY LOADS FROM METAL ROOF DECK.
- WHERE POSSIBLE, METAL ROOF DECK SHALL BE CONTINUOUS OVER A MINIMUM OF 3 SPANS. TWO SPAN DECK SHALL BE USED ONLY WHERE DECK LAYOUT DOES NOT PERMIT THE USE OF THREE SPANS. SINGLE SPAN DECK IS NOT PERMITTED.
- ROOF OPENINGS LESS THAN 6" SQUARE OR DIAMETER REQUIRE NO REINFORCEMENT. OPENINGS 6" TO 10" INCLUSIVE SHALL BE REINFORCED WITH A 20 GAUGE GALVANIZED PLATE WELDED TO THE DECK AT EACH CORNER AND 6" MAXIMUM CENTERS WITH A 5/8" DIAMETER PUDDLE WELD OR SHEET METAL SCREWS. SEE DRAWINGS FOR REINFORCEMENT OF OPENINGS LARGER THAN 10".
- DECK SHALL BE POSITIONED SO THAT A COMPLETE RIB BEARS ON STEEL SUPPORT.

**VERIFICATION AND SPECIAL INSPECTION:**

- THE PROJECT OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS AND TESTING DURING CONSTRUCTION FOR THE TYPES OF WORK INDICATED BY IBC SECTIONS 1704, 1705, 1706, AND 1707. SUBMIT DOCUMENTATION THAT SUMMARIZES THE QUALIFICATIONS AND CREDENTIALS OF EACH SPECIAL INSPECTOR AND DEMONSTRATES COMPETENCE FOR THE BUILDING INSPECTOR FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- APPROVED SPECIAL INSPECTORS SHALL FURNISH INSPECTION AND TESTING REPORTS TO THE OWNER, ARCHITECT AND BUILDING OFFICIAL AND STRUCTURAL ENGINEER OF RECORD WHICH INDICATES THE WORK INSPECTED WAS DONE IN CONFORMANCE WITH APPROVED CONSTRUCTION DOCUMENTS. REPORTS WHICH DOCUMENT THE RESULTS OF THE SPECIAL INSPECTIONS SHALL BE SUBMITTED PERIODICALLY AT A FREQUENCY APPROVED BY THE BUILDING OFFICIAL PRIOR TO CONSTRUCTION. A FINAL REPORT DOCUMENTING ALL THE WORK HAS BEEN PERFORMED IN COMPLIANCE WITH THE CONTRACT DOCUMENTS SHALL BE SUBMITTED AT THE END OF THE PROJECT.
- SPECIAL INSPECTION REPORTS AND A FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.
- SEE THE PROJECT SPECIFICATIONS AND SECTION 1704 OF THE BUILDING CODE FOR FULL CRITERIA AND EXCEPTIONS FOR INSPECTION REQUIREMENTS.

**DEFINITIONS:**

- SPECIAL INSPECTION, PERIODIC: A PART-TIME OR INTERMITTENT OBSERVATION WORK BEING PERFORMED REQUIRING A PRESENCE WHEN THE WORK IS BEING PERFORMED AND AFTER COMPLETION OF THE WORK. PRESENCE AT THE JOB SITE SHALL BE WEEKLY AT MINIMUM OR GREATER AS REQUESTED BY THE OWNER.
- SPECIAL INSPECTION, CONTINUOUS: A FULL-TIME OBSERVATION OF WORK REQUIRING CONTINUOUS JOBSITE PRESENCE WHEN AND WHERE THE WORK IS BEING PERFORMED.

PROJECT NUMBER  
**23-017**

DATE  
**03/14/24**

**REVISIONS**

NO.	DATE
0000	00/00/00

FACILITY CODE  
**000-0000**



855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

ADDITIONS & RENOVATIONS TO:  
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**SHEET INDEX**  
GENERAL NOTES

**SHEET INDEX**

**S0.2**

FOR CONSTRUCTION

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TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD <sup>a</sup>	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT	—	X	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706; B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND C. INSPECT ALL OTHER WELDS.	X	X	AWS D1.4 ACI 318: 26.6.4	—
3. INSPECT ANCHORS CAST IN CONCRETE.	—	X	ACI 318: 17.8.2	—
4. INSPECTING ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS: <sup>b</sup> A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATION TO RESIST SUSTAINED TENSION LOADS. B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.	X	X	ACI 318: 17.8.2.4 ACI 318: 17.8.2	—
5. VERIFY USE OF REQUIRED DESIGN MIX.	—	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TEST, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	—	ASTM C172 ACI 318: 26.5, 26.12 ACI 318: 26.5, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	—	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	—	X	ACI 318: 26.5.3-26.5.5	1908.9
9. INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING FORCES; AND B. GROUTING OF BONDED PRESTRESSING TENDONS.	X	—	ACI 318: 26.10	—
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	—	X	ACI 318: 26.9	—
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	—	X	ACI 318: 26.11.2	—
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	—	X	ACI 318: 26.11.2(b)	—

FOR SI: 1 INCH = 25.4mm

A. WHERE APPLICABLE, SEE SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.  
B. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI318, OR OTHER OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.

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

INSPECTIONS TASKS PRIOR TO BOLTING	QA		QA		REFERENCED STANDARD
	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC	
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	X			X	AISC 360-10 TABLE N5.6-1
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS		X		X	
CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)		X		X	
CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL		X		X	
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS		X		X	
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED		X	X		
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS		X		X	
INSPECTIONS TASKS DURING BOLTING	QA		QA		AISC 360-10 TABLE N5.6-2
	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC	
FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED		X		X	
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION		X		X	
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING		X		X	
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES		X		X	
INSPECTIONS TASKS AFTER BOLTING	QA		QA		AISC 360-10 TABLE N5.6-3
	CONTINUOUS	PERIODIC	CONTINUOUS	PERIODIC	
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	X		X		

INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODIC DURING TASK LISTED	NOTES
MINIMUM VERIFICATION REQUIREMENTS			
1. PRIOR TO CONSTRUCTION, VERIFICATION OF COMPLIANCE OF SUBMITTALS		PRIOR TO CONSTRUCTION	SUBMITTAL REVIEW
2. PRIOR TO CONSTRUCTION - VERIFICATION OF FM		PRIOR TO CONSTRUCTION	TESTING BY UNIT STRENGTH METHOD OR PRISM TEST METHOD
3. DURING CONSTRUCTION, VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO PROJECT SITE.		X	TESTING BY UNIT STRENGTH METHOD OR PRISM TEST METHOD
MINIMUM SPECIAL INSPECTION REQUIREMENTS			
1. AS MASONRY CONSTRUCTION BEGINS VERIFY THE FOLLOWING:			
A. PROPORTIONS OF THE SITE PREPARED MORTAR		X	FIELD INSPECTION
B. GRADE, TYPE, AND SIZE OF REINFORCEMENT, ANCHOR BOLTS AND ANCHORAGES.		X	FIELD INSPECTION
C. SAMPLE PANEL CONSTRUCTION.		X	FIELD INSPECTION
2. PRIOR TO GROUTING VERIFY THAT THE FOLLOWING ARE IN:			
A. GROUT SPACE		X	FIELD INSPECTION
B. PLACEMENT OF REINFORCEMENT, CONNECTORS AND ANCHOR BOLTS.		X	FIELD INSPECTION
C. PROPORTIONS OF SITE PREPARED GROUT.		X	FIELD INSPECTION
3. VERIFY THE FOLLOWING DURING CONSTRUCTION:			
A. MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS		X	FIELD INSPECTION
B. PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION		X	FIELD INSPECTION
C. SIZE AND LOCATION OF STRUCTURAL MEMBERS		X	FIELD INSPECTION
D. TYPE, SIZE, LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.		X	FIELD INSPECTION
E. WELDING OF REINFORCEMENT			NOT PERMITTED
F. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40° F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F)		X	FIELD INSPECTION
G. PLACEMENT OF GROUT		X	FIELD INSPECTION
4. OBSERVE PREPARATION OF GROUT SPECIMENS MORTAR SPECIMENS, AND/OR PRISMS		X	FIELD INSPECTION

FOR CONSTRUCTION

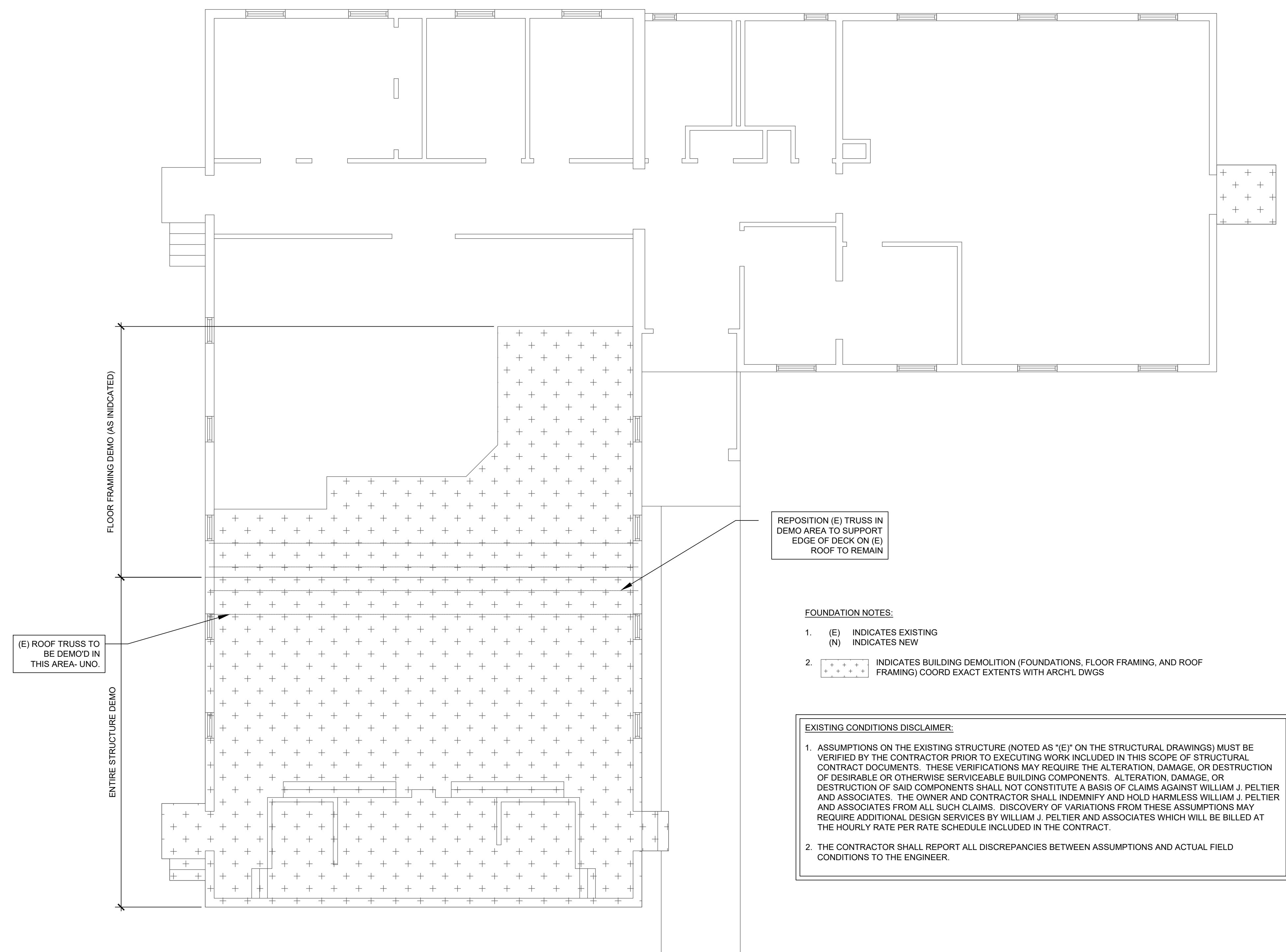
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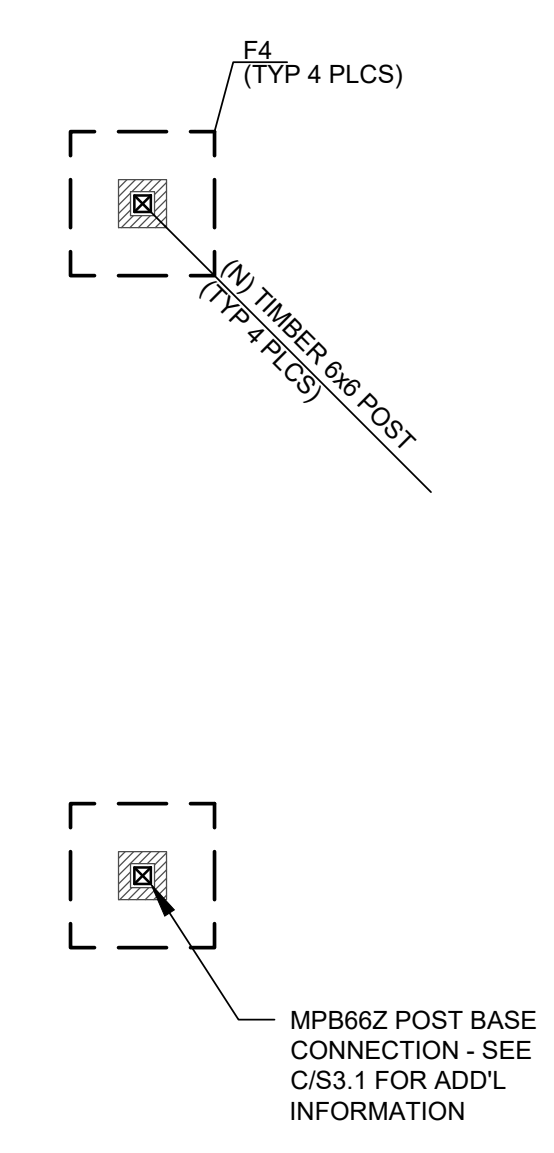
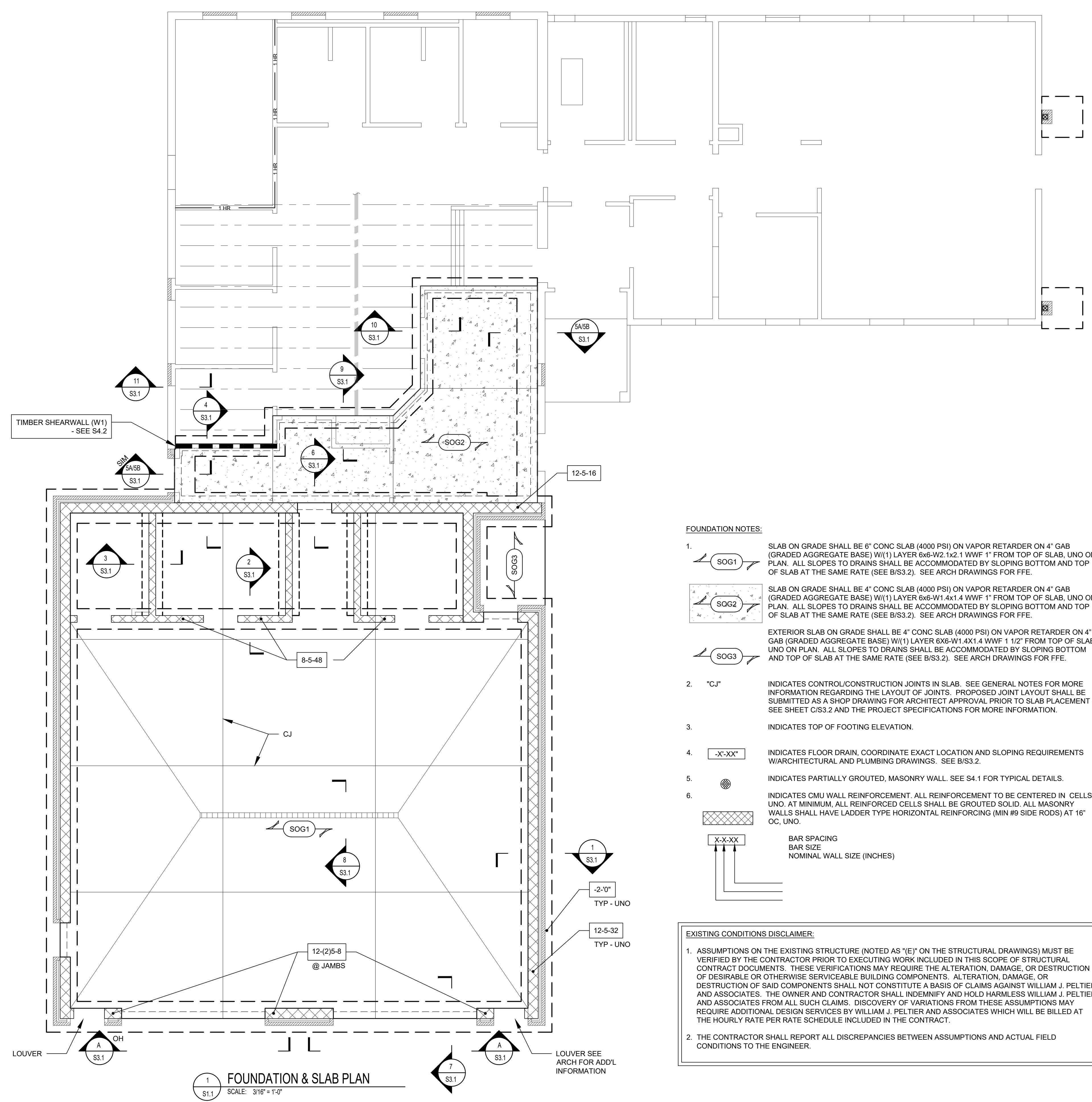


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1 DEMOLITION PLAN  
SCALE: 3/16" = 1'-0"

FOR CONSTRUCTION



**FOUNDATION NOTES:**

- SOG1** SLAB ON GRADE SHALL BE 6" CONC SLAB (4000 PSI) ON VAPOR RETARDER ON 4" GAB (GRADED AGGREGATE BASE) W/(1) LAYER 6x6-W2.1x2.1 WWF 1" FROM TOP OF SLAB, UNO ON PLAN. ALL SLOPES TO DRAINS SHALL BE ACCOMMODATED BY SLOPING BOTTOM AND TOP OF SLAB AT THE SAME RATE (SEE B/S3.2). SEE ARCH DRAWINGS FOR FFE.

**SOG2** SLAB ON GRADE SHALL BE 4" CONC SLAB (4000 PSI) ON VAPOR RETARDER ON 4" GAB (GRADED AGGREGATE BASE) W/(1) LAYER 6x6-W1.4x1.4 WWF 1" FROM TOP OF SLAB, UNO ON PLAN. ALL SLOPES TO DRAINS SHALL BE ACCOMMODATED BY SLOPING BOTTOM AND TOP OF SLAB AT THE SAME RATE (SEE B/S3.2). SEE ARCH DRAWINGS FOR FFE.

**SOG3** EXTERIOR SLAB ON GRADE SHALL BE 4" CONC SLAB (4000 PSI) ON VAPOR RETARDER ON 4" GAB (GRADED AGGREGATE BASE) W/(1) LAYER 6x6-W1.4x1.4 WWF 1 1/2" FROM TOP OF SLAB, UNO ON PLAN. ALL SLOPES TO DRAINS SHALL BE ACCOMMODATED BY SLOPING BOTTOM AND TOP OF SLAB AT THE SAME RATE (SEE B/S3.2). SEE ARCH DRAWINGS FOR FFE.
- "CJ" INDICATES CONTROL/CONSTRUCTION JOINTS IN SLAB. SEE GENERAL NOTES FOR MORE INFORMATION REGARDING THE LAYOUT OF JOINTS. PROPOSED JOINT LAYOUT SHALL BE SUBMITTED AS A SHOP DRAWING FOR ARCHITECT APPROVAL PRIOR TO SLAB PLACEMENT - SEE SHEET C/S3.2 AND THE PROJECT SPECIFICATIONS FOR MORE INFORMATION.
- INDICATES TOP OF FOOTING ELEVATION.
- "X-XX" INDICATES FLOOR DRAIN. COORDINATE EXACT LOCATION AND SLOPING REQUIREMENTS W/ARCHITECTURAL AND PLUMBING DRAWINGS. SEE B/S3.2.
- INDICATES PARTIALLY GROUTED, MASONRY WALL. SEE S4.1 FOR TYPICAL DETAILS.
- INDICATES CMU WALL REINFORCEMENT. ALL REINFORCEMENT TO BE CENTERED IN CELLS. UNO, AT MINIMUM, ALL REINFORCED CELLS SHALL BE GROUTED SOLID. ALL MASONRY WALLS SHALL HAVE LADDER TYPE HORIZONTAL REINFORCING (MIN #9 SIDE RODS) AT 16" OC, UNO.

X-X-XX BAR SPACING  
BAR SIZE  
NOMINAL WALL SIZE (INCHES)

FOOTING SCHEDULE			
MARK	SIZE	REINFORCING	REMARKS
F4	4'-0" x 4'-0" x 1'-0"	(4) #5 EW BOT	

- NOTES:**
- FOOTINGS SHALL BE CENTERED ON STEEL COLUMNS UNO ON PLAN.
  - PROVIDE 3" COVER MIN FOR ALL REINFORCING.

**NOTES TO CONTRACTOR:**  
THE CONTRACTOR SHALL REFER TO THE PLUMBING, MECHANICAL, & ELECTRICAL DRAWINGS AND NOTE THE LOCATION OF ALL UNDERGROUND OR UNDER FLOOR PIPING & CONDUITS. THE CONTRACTOR SHALL INCORPORATE ALL FOOTING STEPS NECESSARY PER THE REQUIREMENTS OF ALL UNDERGROUND OR UNDER FLOOR PLUMBING, MECHANICAL, AND ELECTRICAL PIPING. THE CONTRACTOR SHALL REFER TO THE TYPICAL FOUNDATION DETAILS A THRU C ON S3.3 WHEN PERFORMING THIS WORK. LOCATION OF ALL STEPPED FOOTINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL STEP FOOTING LOCATIONS SHALL BE SHOWN ON THE FOUNDATION SHOP DRAWINGS AND REVIEWED BY THE SEOR PRIOR TO INSTALLATION.

**EXISTING CONDITIONS DISCLAIMER:**

- ASSUMPTIONS ON THE EXISTING STRUCTURE (NOTED AS "E" ON THE STRUCTURAL DRAWINGS) MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO EXECUTING WORK INCLUDED IN THIS SCOPE OF STRUCTURAL CONTRACT DOCUMENTS. THESE VERIFICATIONS MAY REQUIRE THE ALTERATION, DAMAGE, OR DESTRUCTION OF DESIRABLE OR OTHERWISE SERVICEABLE BUILDING COMPONENTS. ALTERATION, DAMAGE, OR DESTRUCTION OF SAID COMPONENTS SHALL NOT CONSTITUTE A BASIS OF CLAIMS AGAINST WILLIAM J. PELTIER AND ASSOCIATES. THE OWNER AND CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS WILLIAM J. PELTIER AND ASSOCIATES FROM ALL SUCH CLAIMS. DISCOVERY OF VARIATIONS FROM THESE ASSUMPTIONS MAY REQUIRE ADDITIONAL DESIGN SERVICES BY WILLIAM J. PELTIER AND ASSOCIATES WHICH WILL BE BILLED AT THE HOURLY RATE PER RATE SCHEDULE INCLUDED IN THE CONTRACT.
- THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES BETWEEN ASSUMPTIONS AND ACTUAL FIELD CONDITIONS TO THE ENGINEER.

**1 FOUNDATION & SLAB PLAN**  
SCALE: 3/16" = 1'-0"

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SHEET INDEX  
FOUNDATION PLAN

SHEET INDEX

**S1.1**

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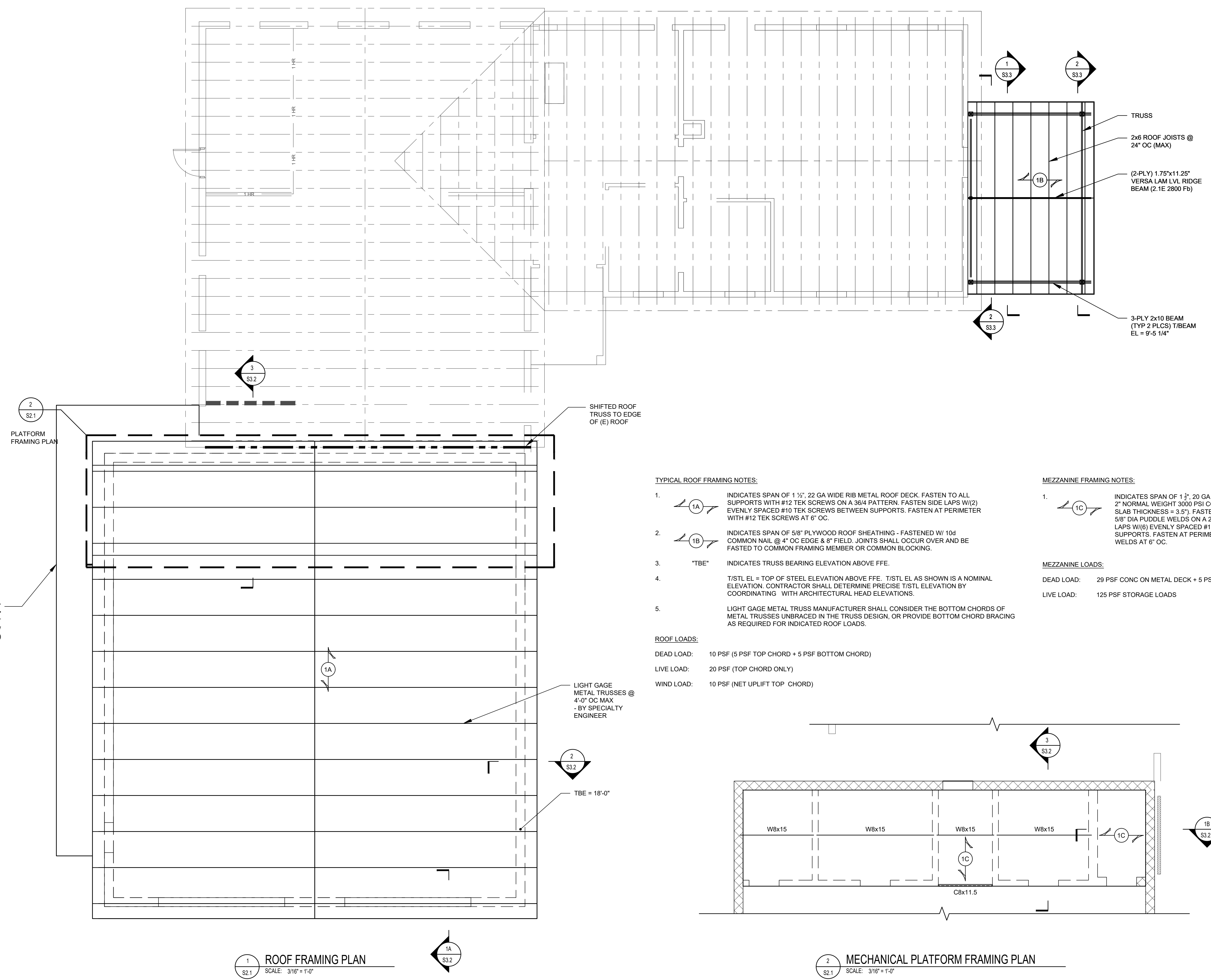
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**TYPICAL ROOF FRAMING NOTES:**

1. INDICATES SPAN OF 1 1/2' 22 GA WIDE RIB METAL ROOF DECK. FASTEN TO ALL SUPPORTS WITH #12 TEK SCREWS ON A 38/4 PATTERN. FASTEN SIDE LAPS W/ (2) EVENLY SPACED #10 TEK SCREWS BETWEEN SUPPORTS. FASTEN AT PERIMETER WITH #12 TEK SCREWS AT 6\"/>
2. INDICATES SPAN OF 5/8\"/>
3. INDICATES TRUSS BEARING ELEVATION ABOVE FFE.
4. T/STL EL = TOP OF STEEL ELEVATION ABOVE FFE. T/STL EL AS SHOWN IS A NOMINAL ELEVATION. CONTRACTOR SHALL DETERMINE PRECISE T/STL ELEVATION BY COORDINATING WITH ARCHITECTURAL HEAD ELEVATIONS.
5. LIGHT GAGE METAL TRUSS MANUFACTURER SHALL CONSIDER THE BOTTOM CHORDS OF METAL TRUSSES UNBRACED IN THE TRUSS DESIGN, OR PROVIDE BOTTOM CHORD BRACING AS REQUIRED FOR INDICATED ROOF LOADS.

**ROOF LOADS:**

- DEAD LOAD: 10 PSF (5 PSF TOP CHORD + 5 PSF BOTTOM CHORD)
- LIVE LOAD: 20 PSF (TOP CHORD ONLY)
- WIND LOAD: 10 PSF (NET UPLIFT TOP CHORD)

**MEZZANINE FRAMING NOTES:**

1. INDICATES SPAN OF 1 1/2' 20 GA WIDE RIB COMPOSITE DECK W/ 2\"/>

**MEZZANINE LOADS:**

- DEAD LOAD: 29 PSF CONC ON METAL DECK + 5 PSF COLLATERAL
- LIVE LOAD: 125 PSF STORAGE LOADS

1 ROOF FRAMING PLAN  
SCALE: 3/16\"/>

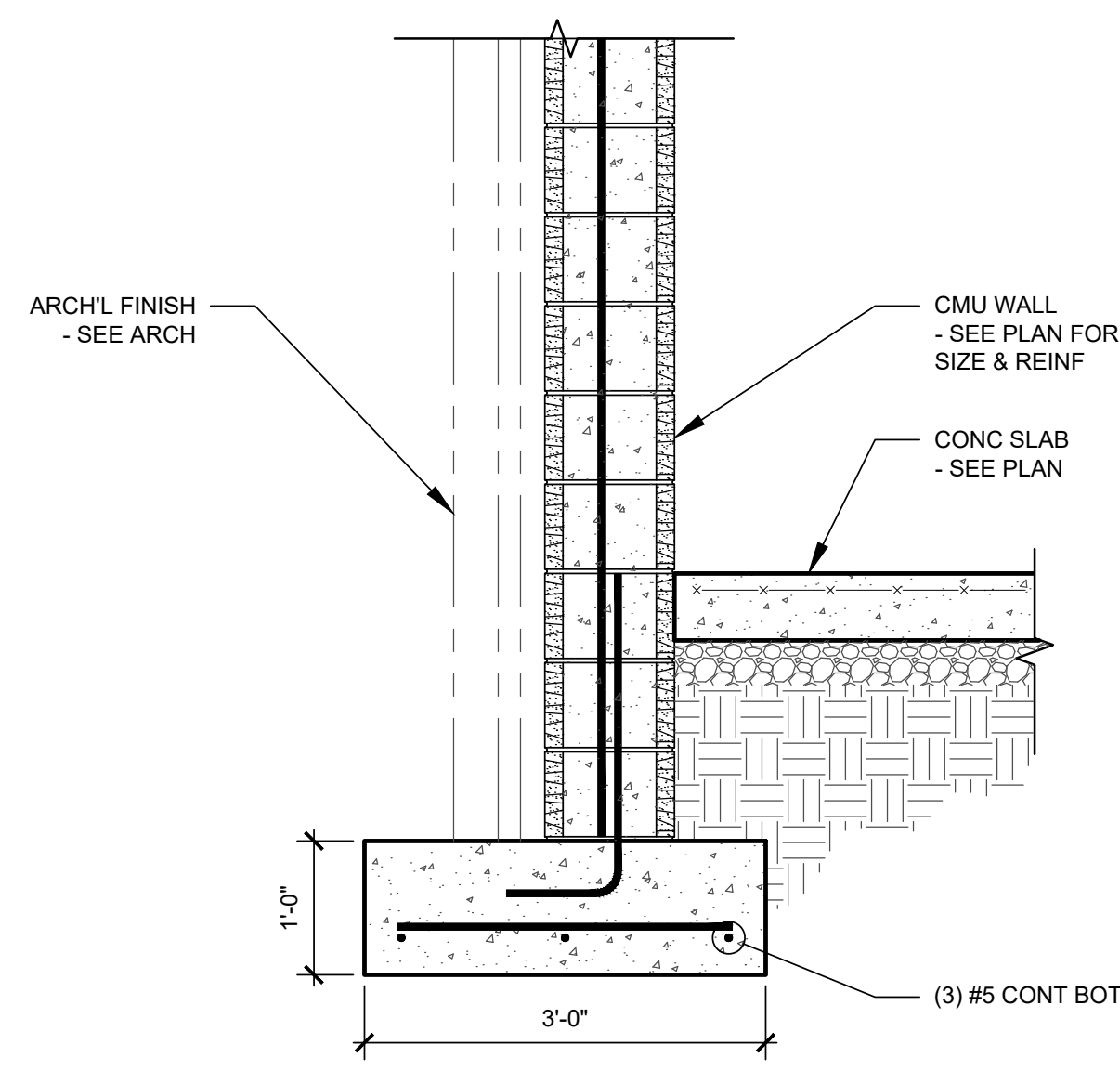
2 MECHANICAL PLATFORM FRAMING PLAN  
SCALE: 3/16\"/>

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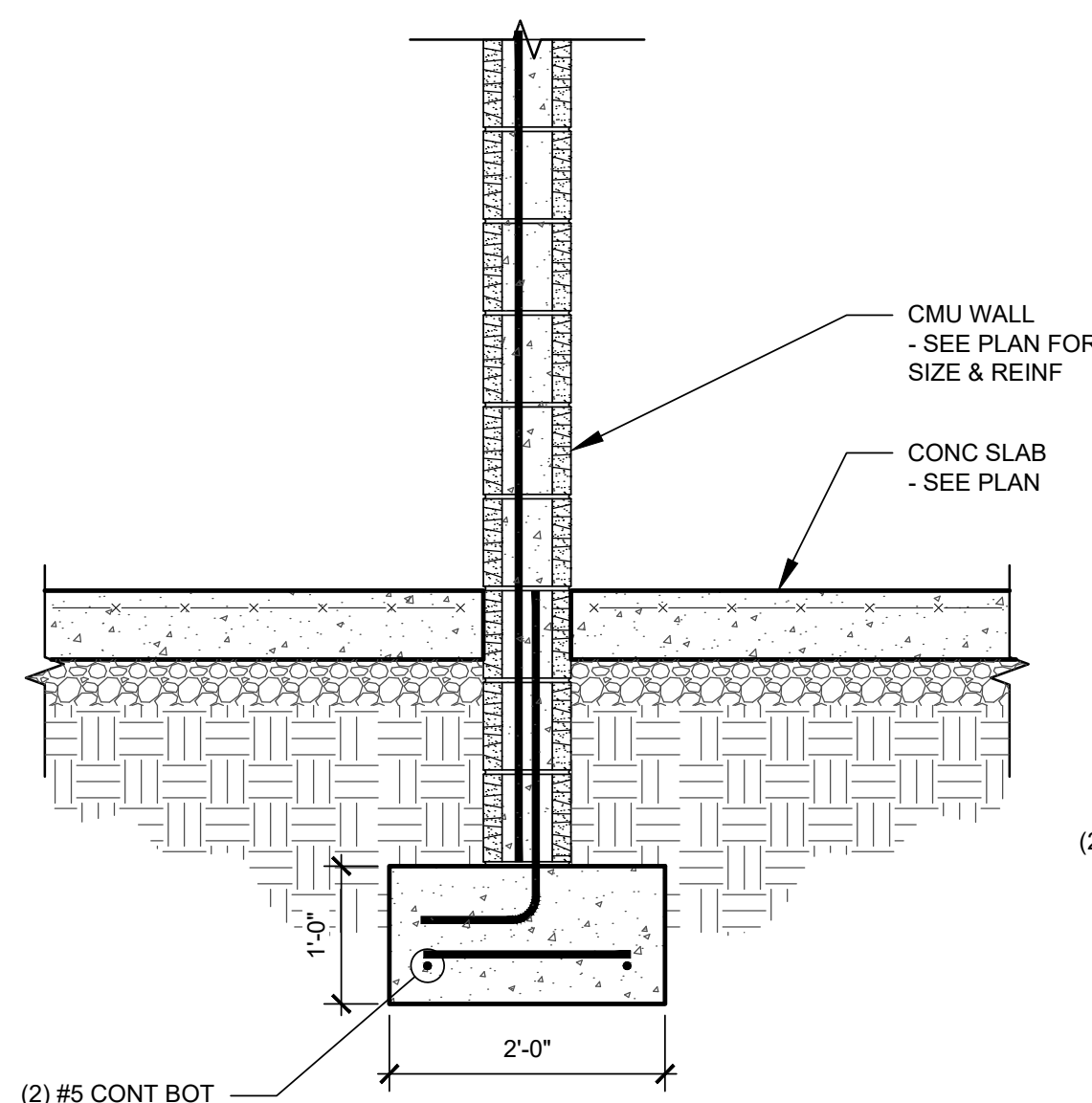
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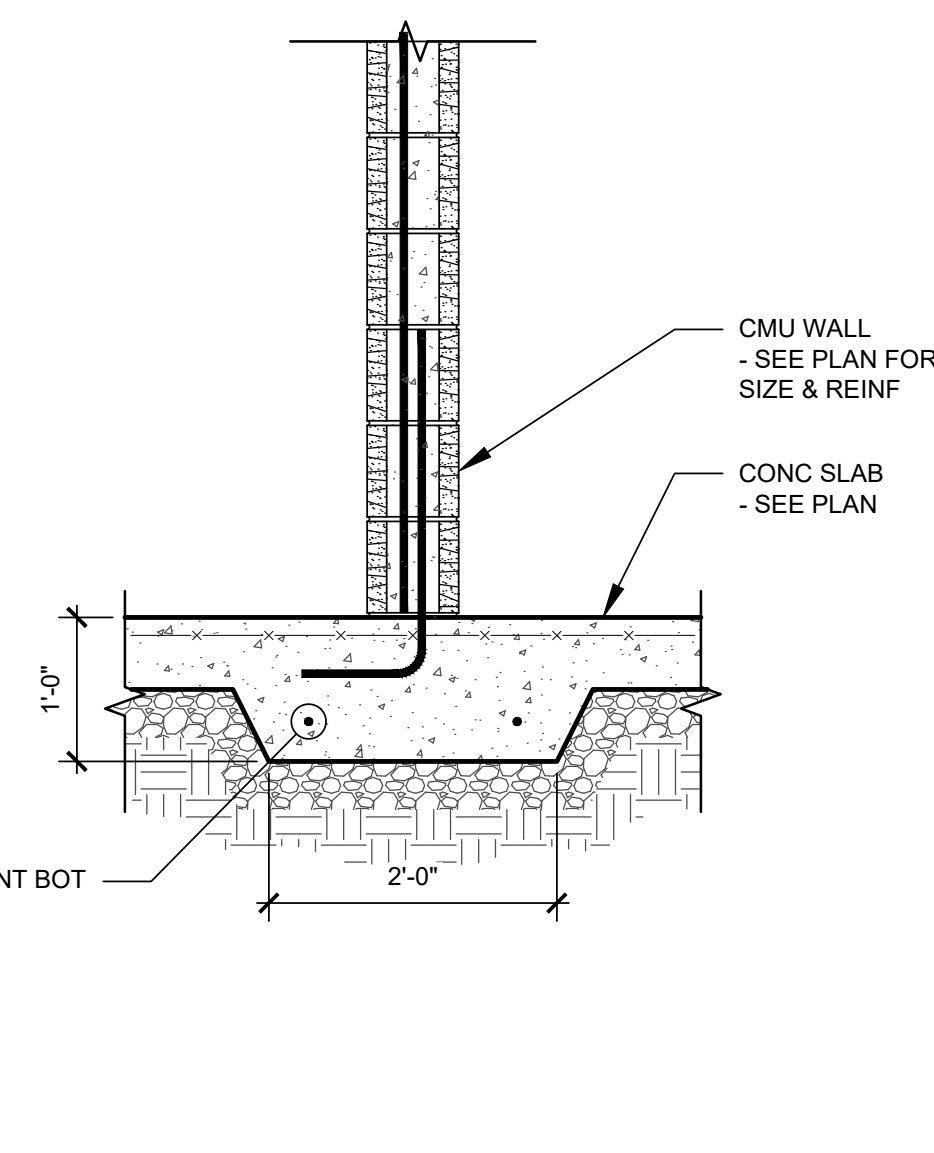
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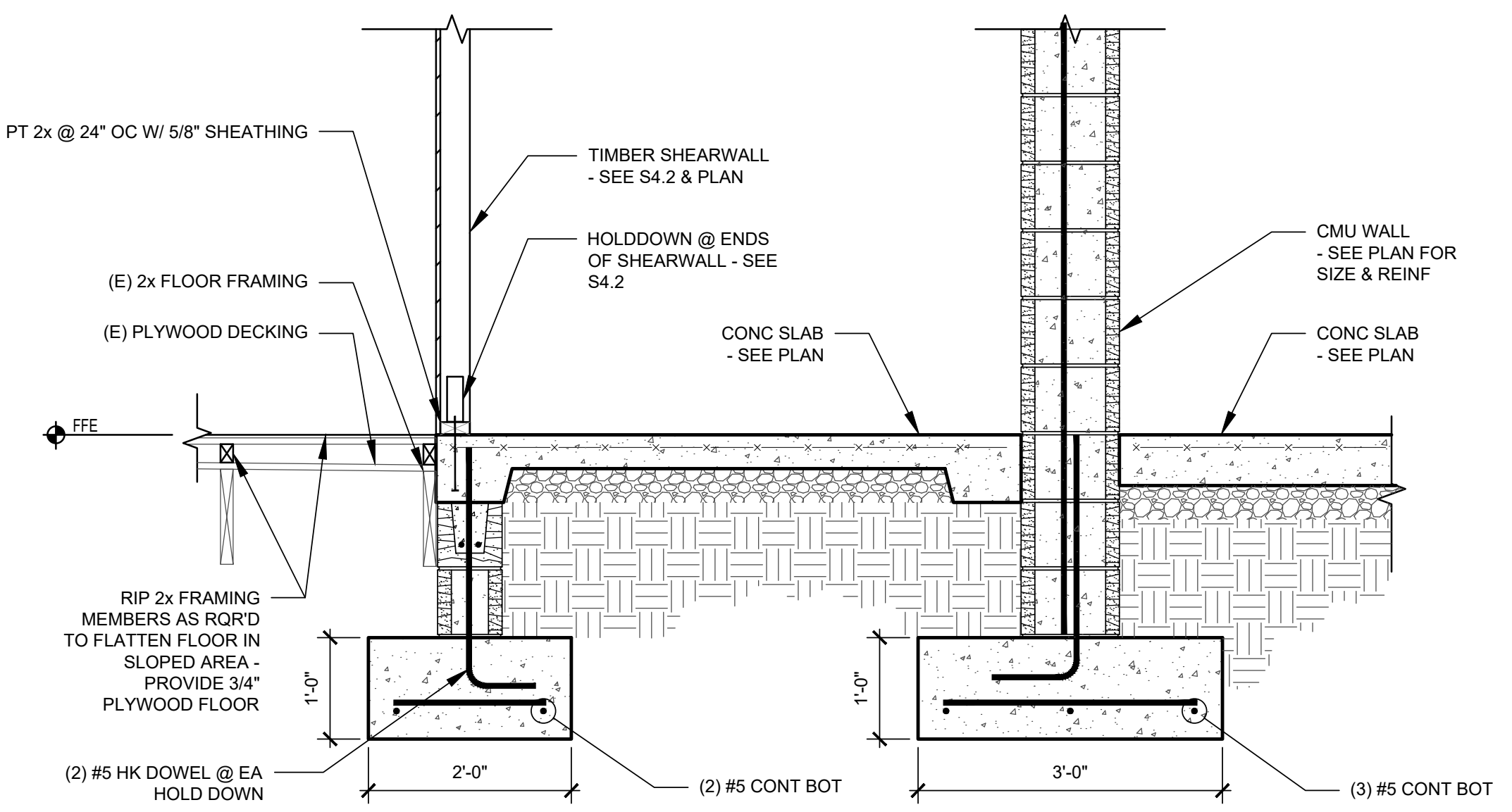
1 SECTION  
S3.1 SCALE: 3/4" = 1'-0"



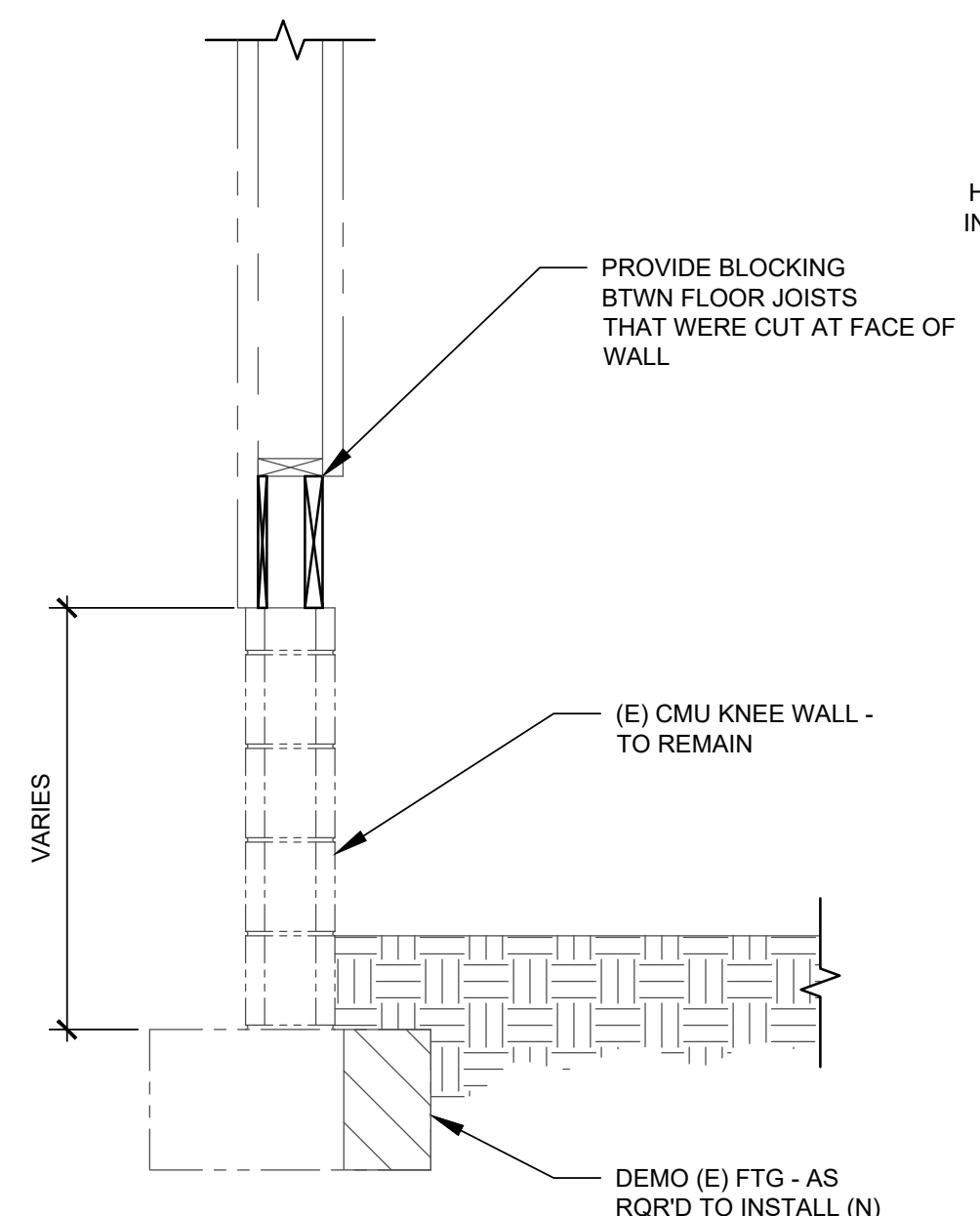
2 SECTION  
S3.1 SCALE: 3/4" = 1'-0"



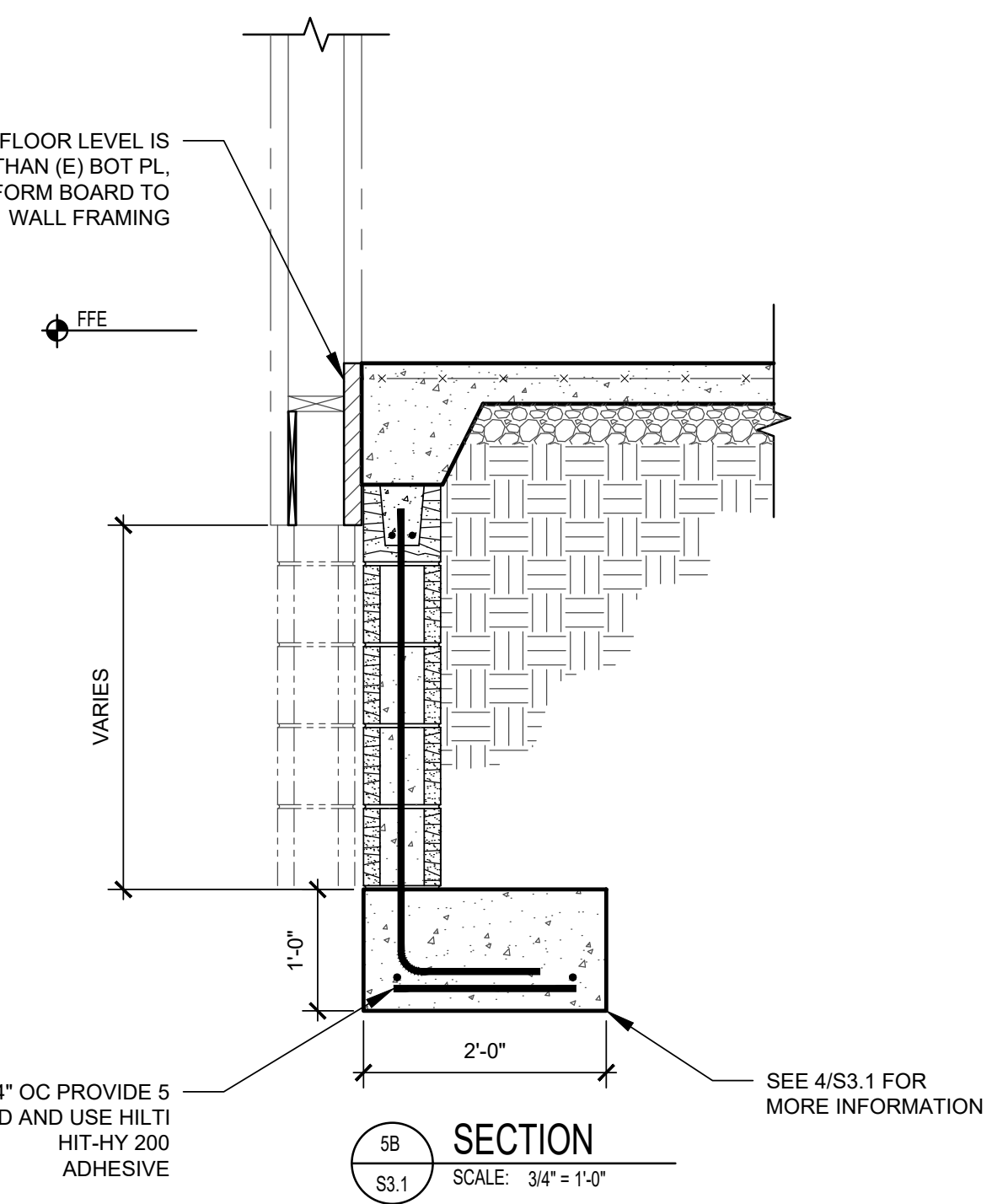
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S3.1 SCALE: 3/4" = 1'-0"



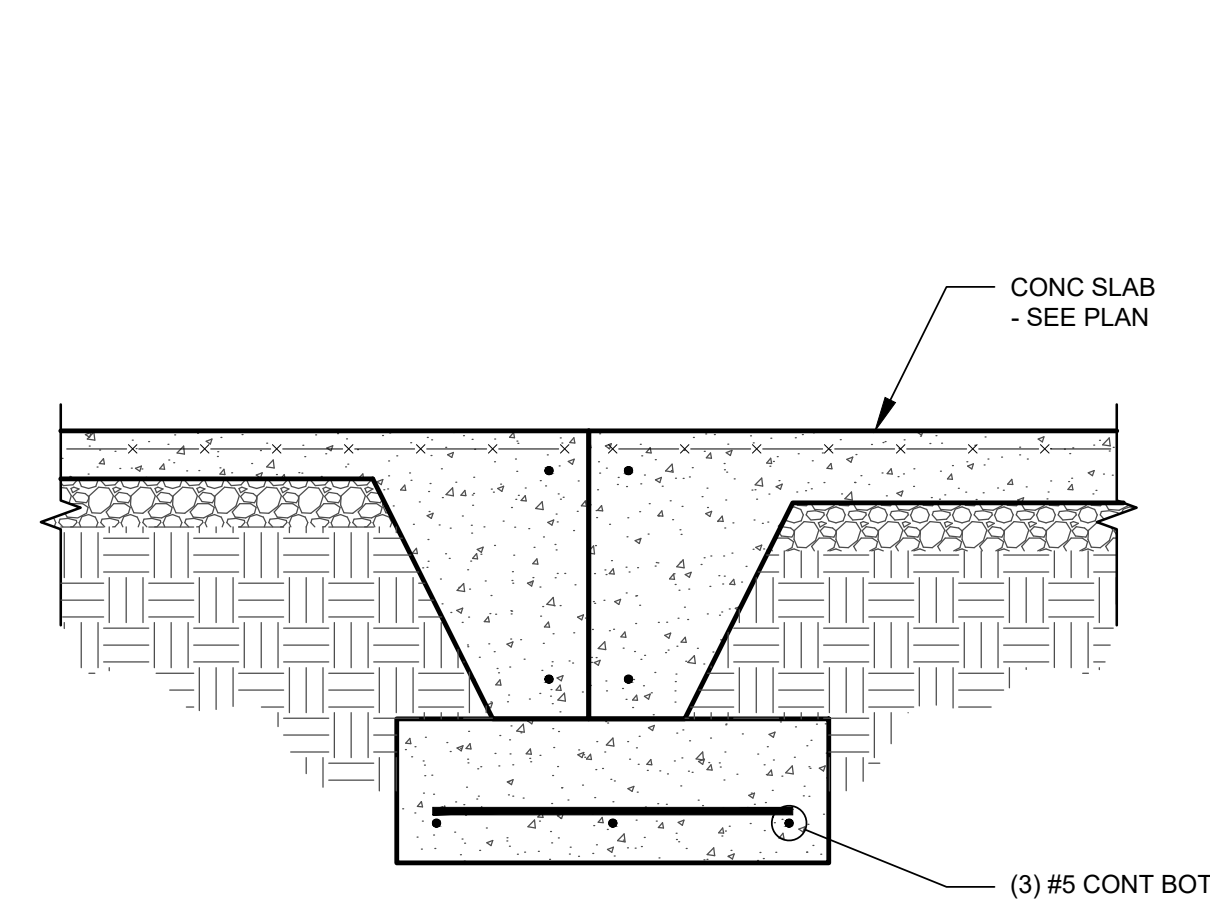
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S3.1 SCALE: 3/4" = 1'-0"



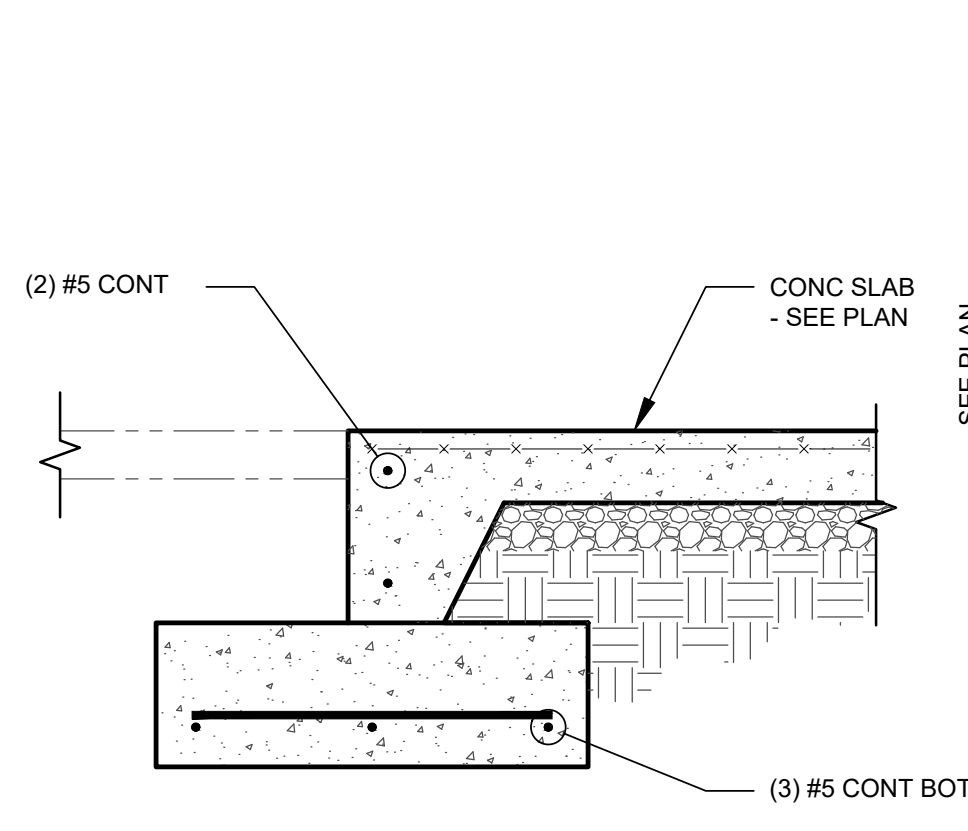
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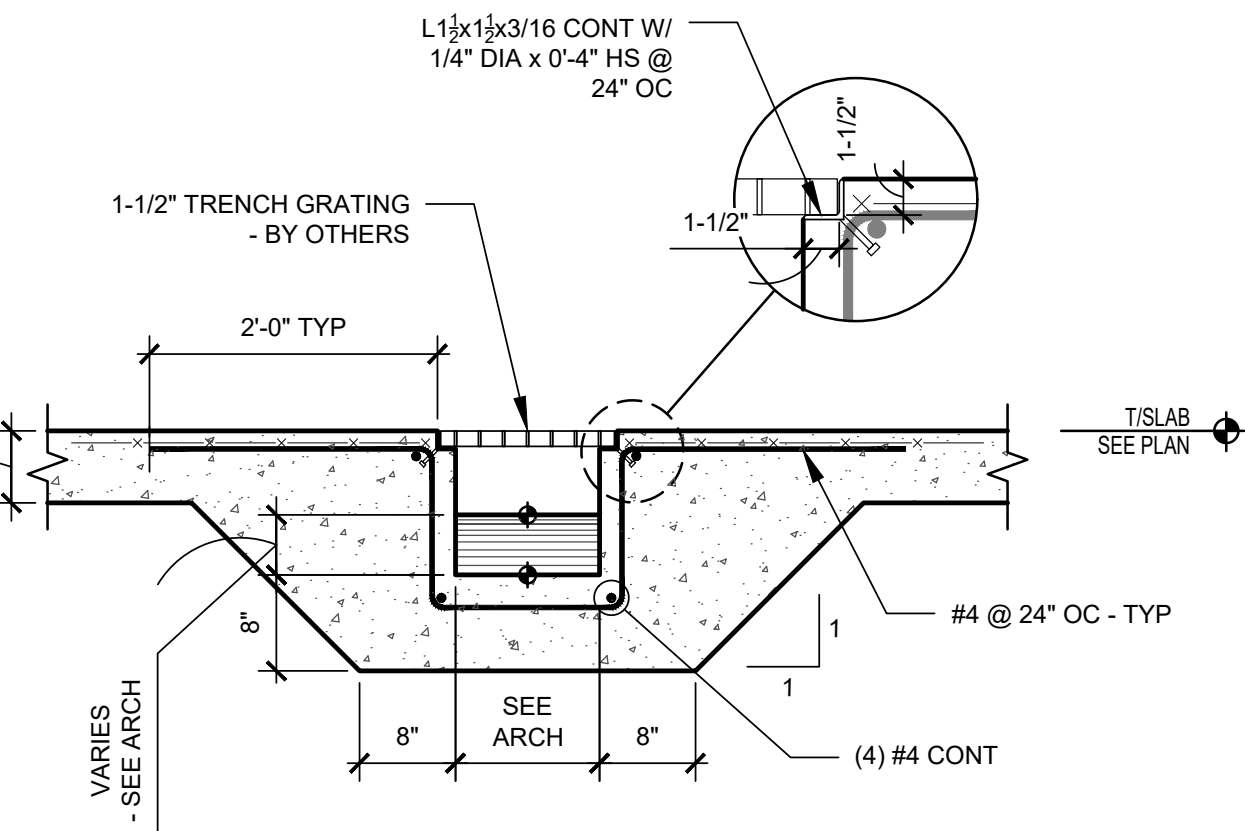
5B SECTION  
S3.1 SCALE: 3/4" = 1'-0"



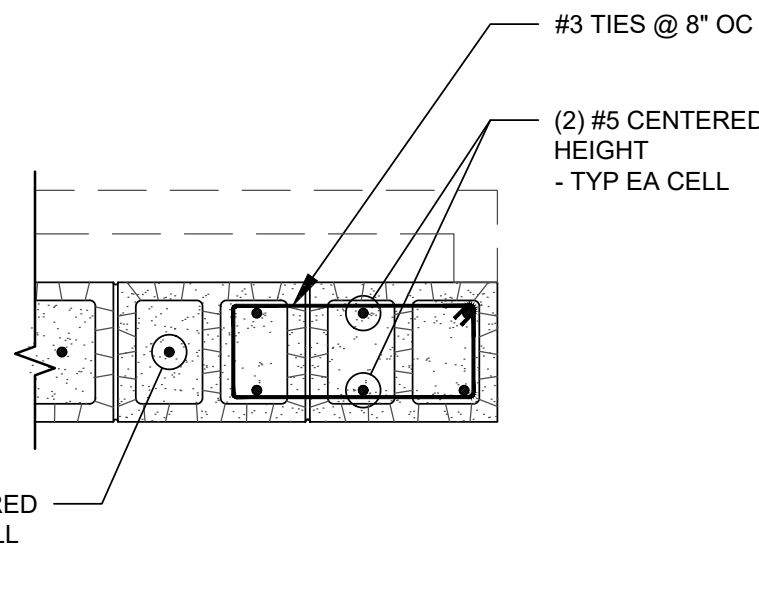
6 SECTION  
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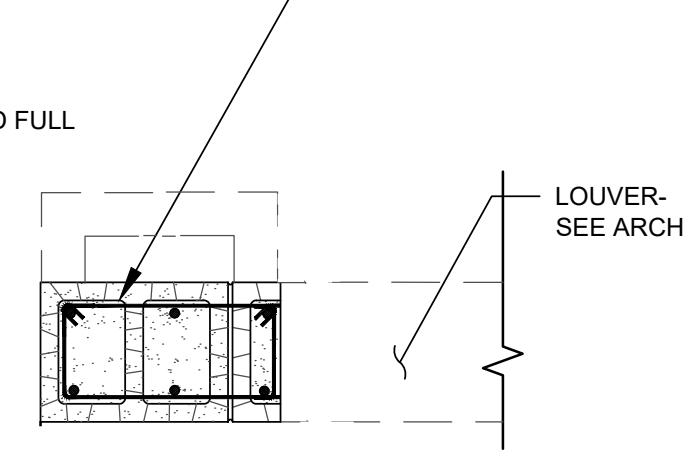
7 SECTION  
S3.1 SCALE: 3/4" = 1'-0"



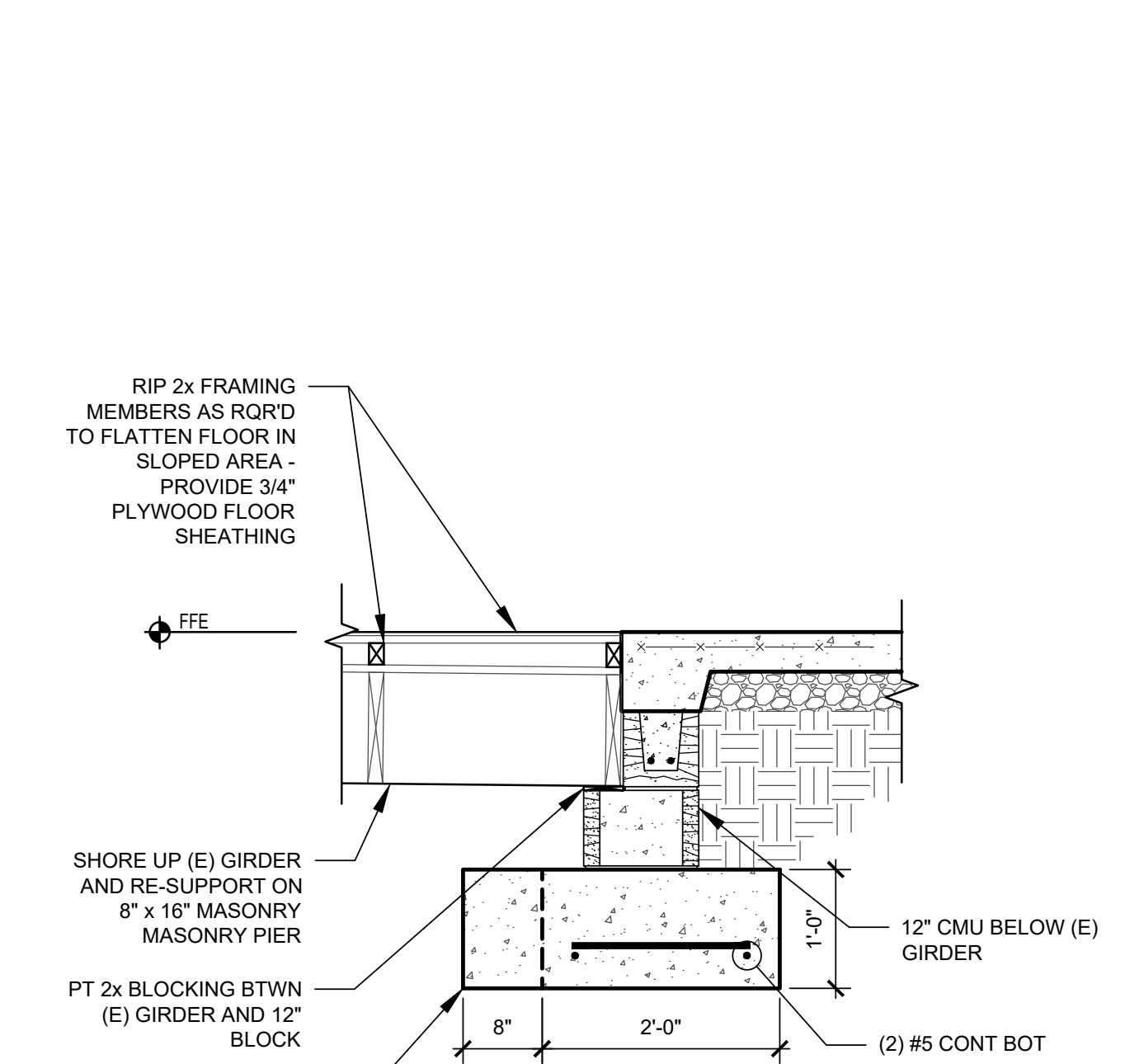
8 SECTION  
S3.1 SCALE: 3/4" = 1'-0"



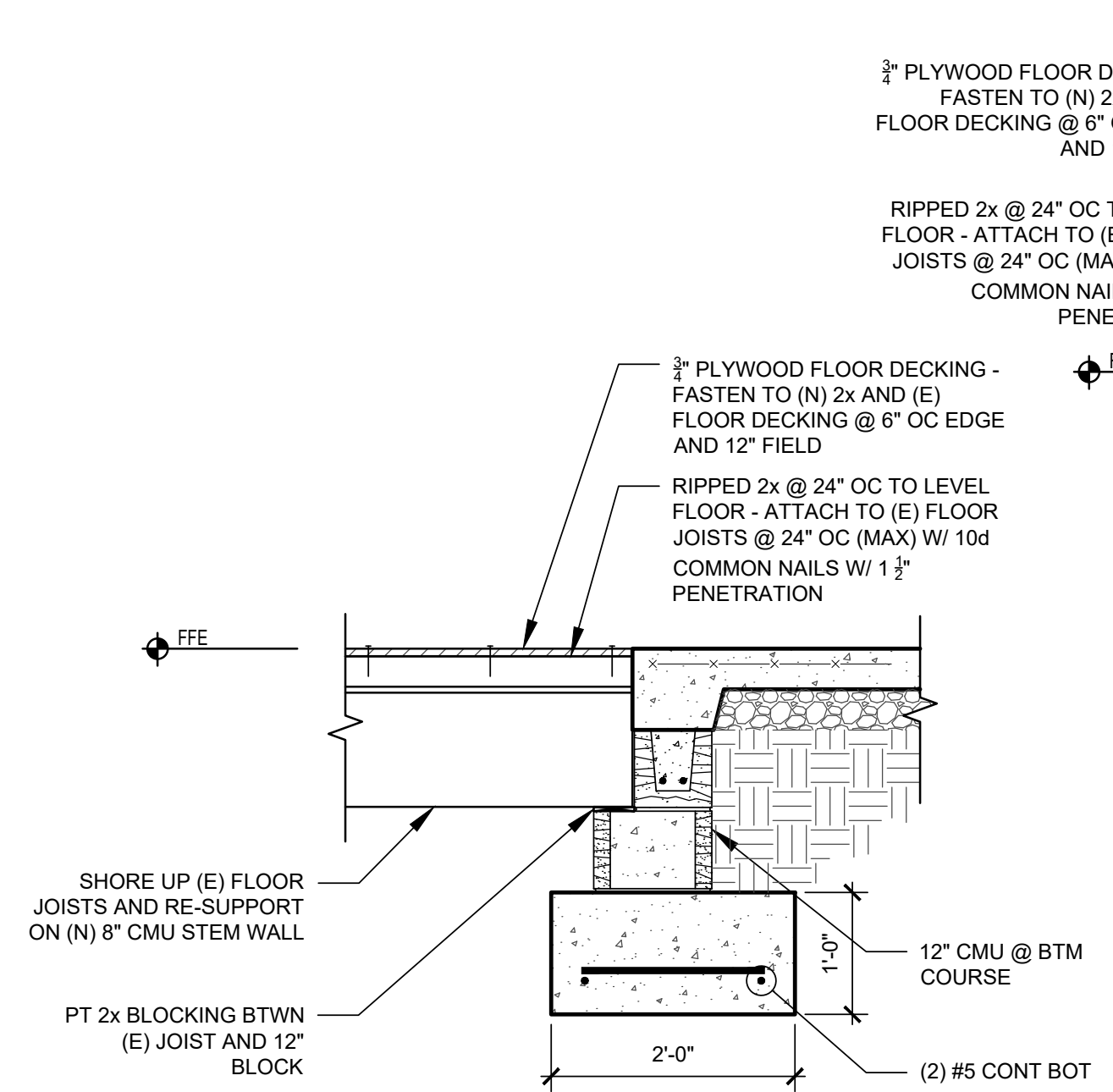
A DETAIL  
S3.1 SCALE: 3/4" = 1'-0"



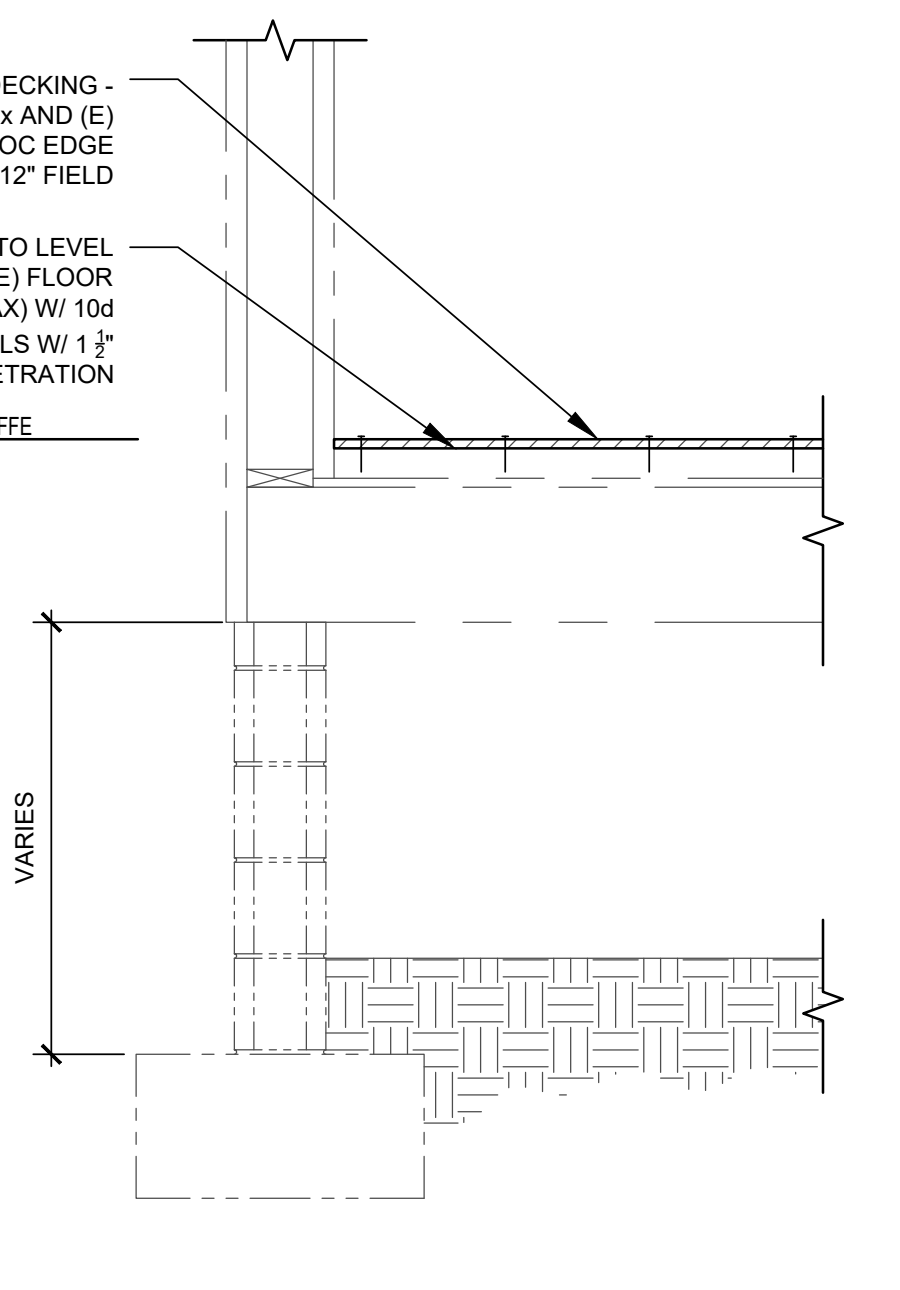
B DETAIL  
S3.1 SCALE: 3/4" = 1'-0"



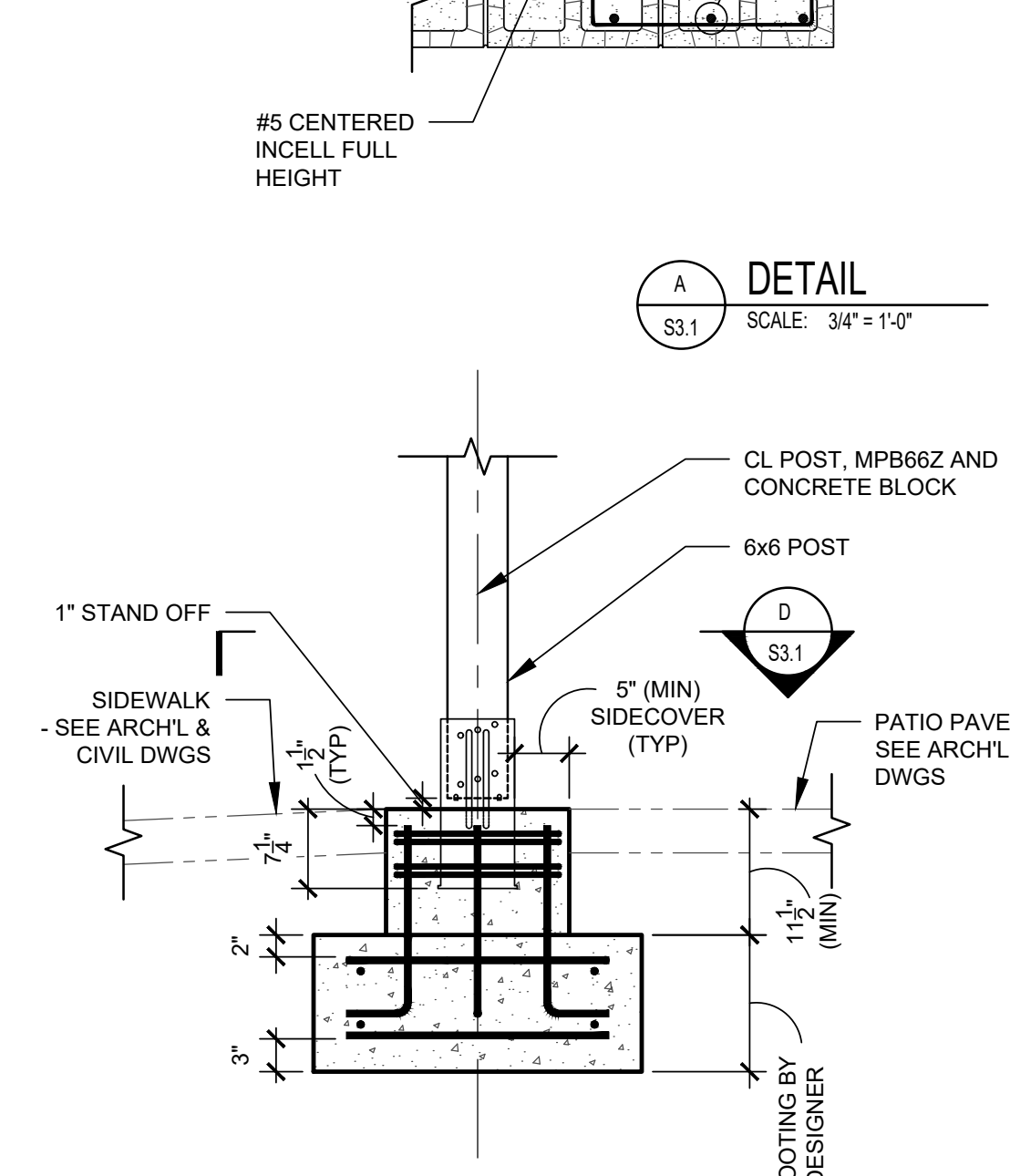
9 SECTION  
S3.1 SCALE: 3/4" = 1'-0"



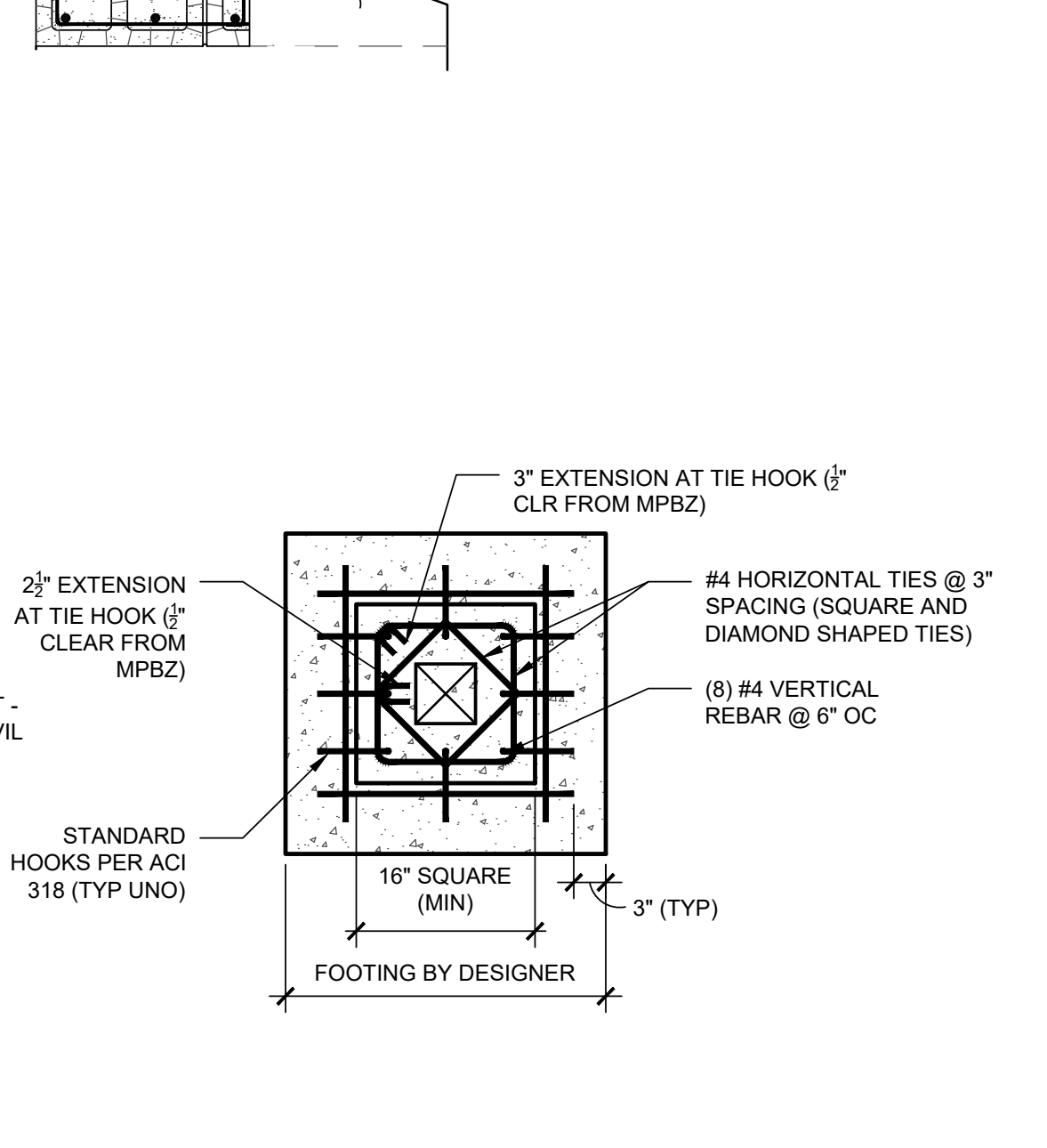
10 SECTION  
S3.1 SCALE: 3/4" = 1'-0"



11 SECTION  
S3.1 SCALE: 3/4" = 1'-0"



C SECTION  
S3.1 SCALE: 3/4" = 1'-0"



D SECTION  
S3.1 SCALE: 3/4" = 1'-0"

FOR CONSTRUCTION

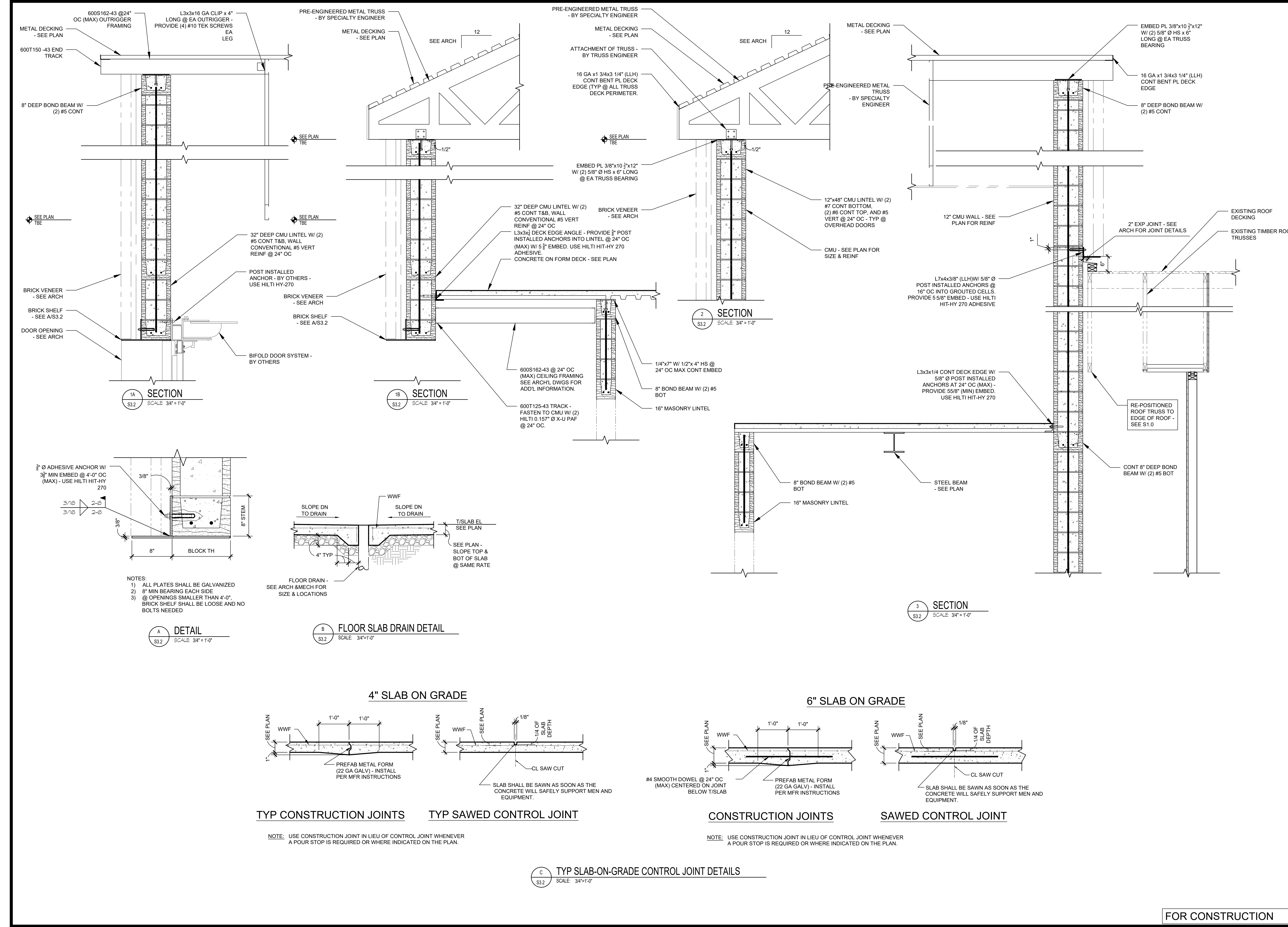
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NO.	DATE
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ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS



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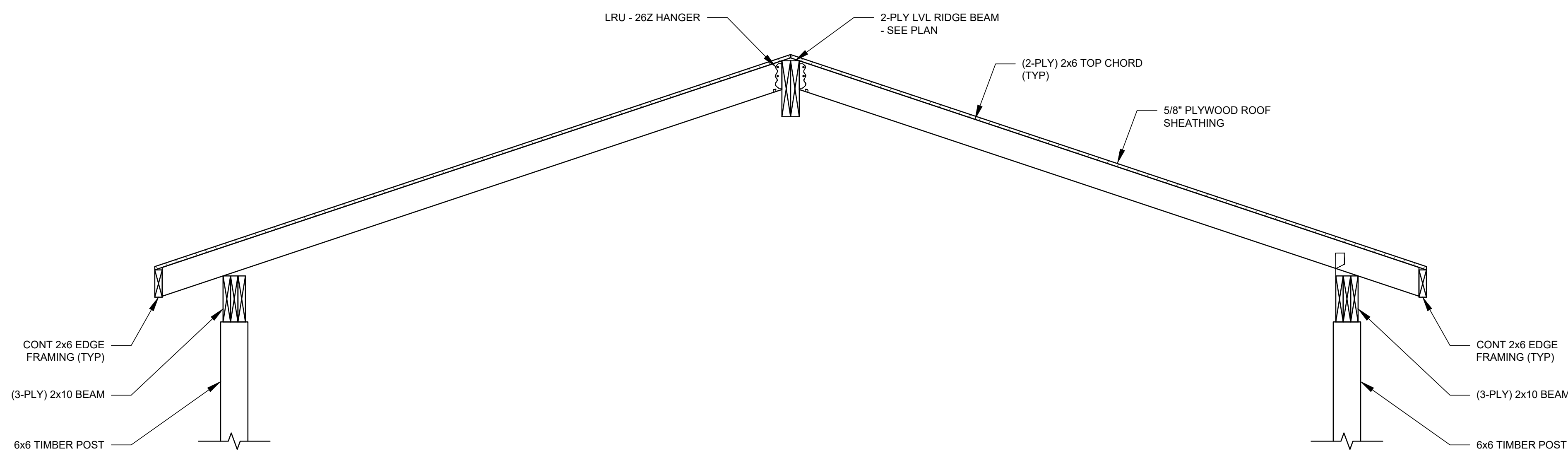
FOR CONSTRUCTION



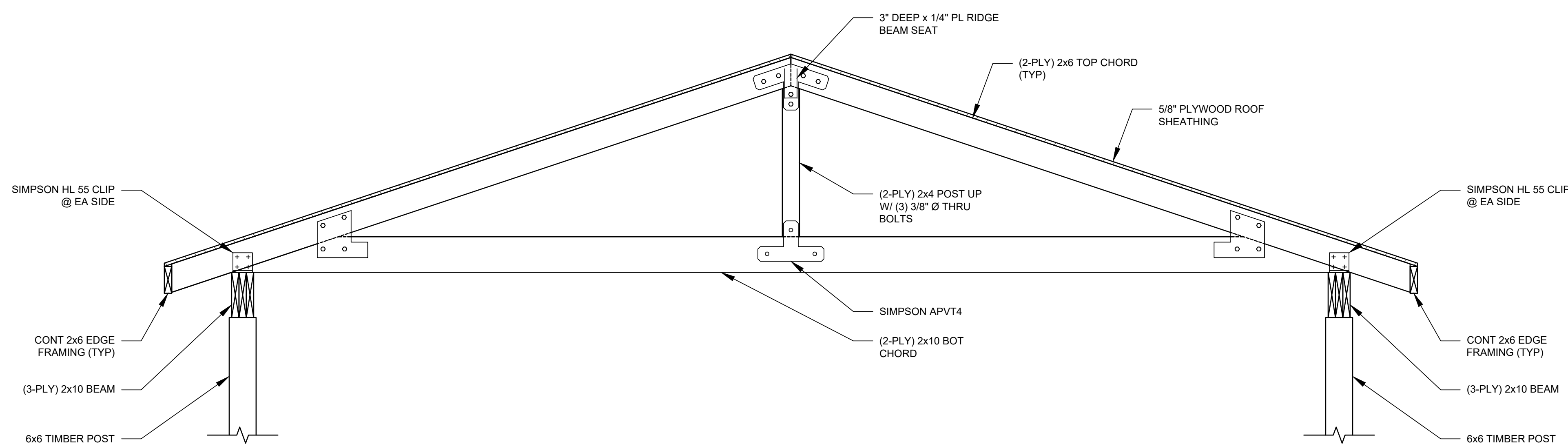
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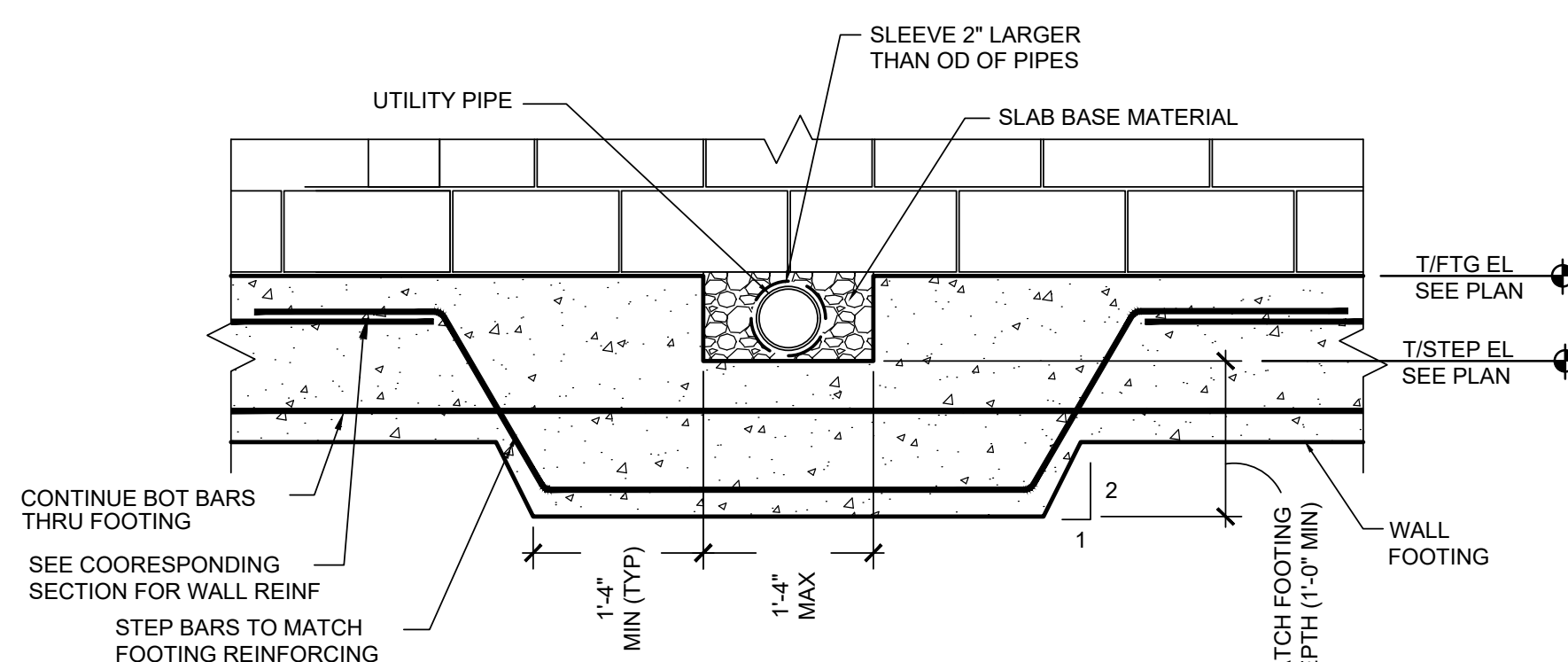
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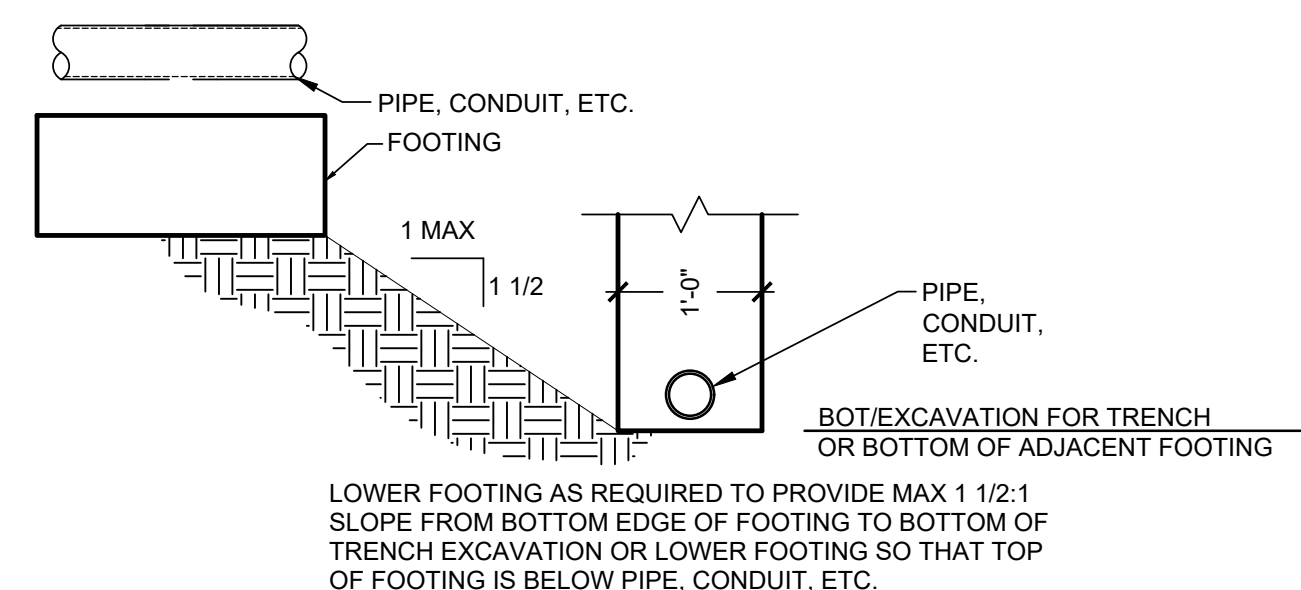
1 SECTION  
SCALE: 3/4" = 1'-0"



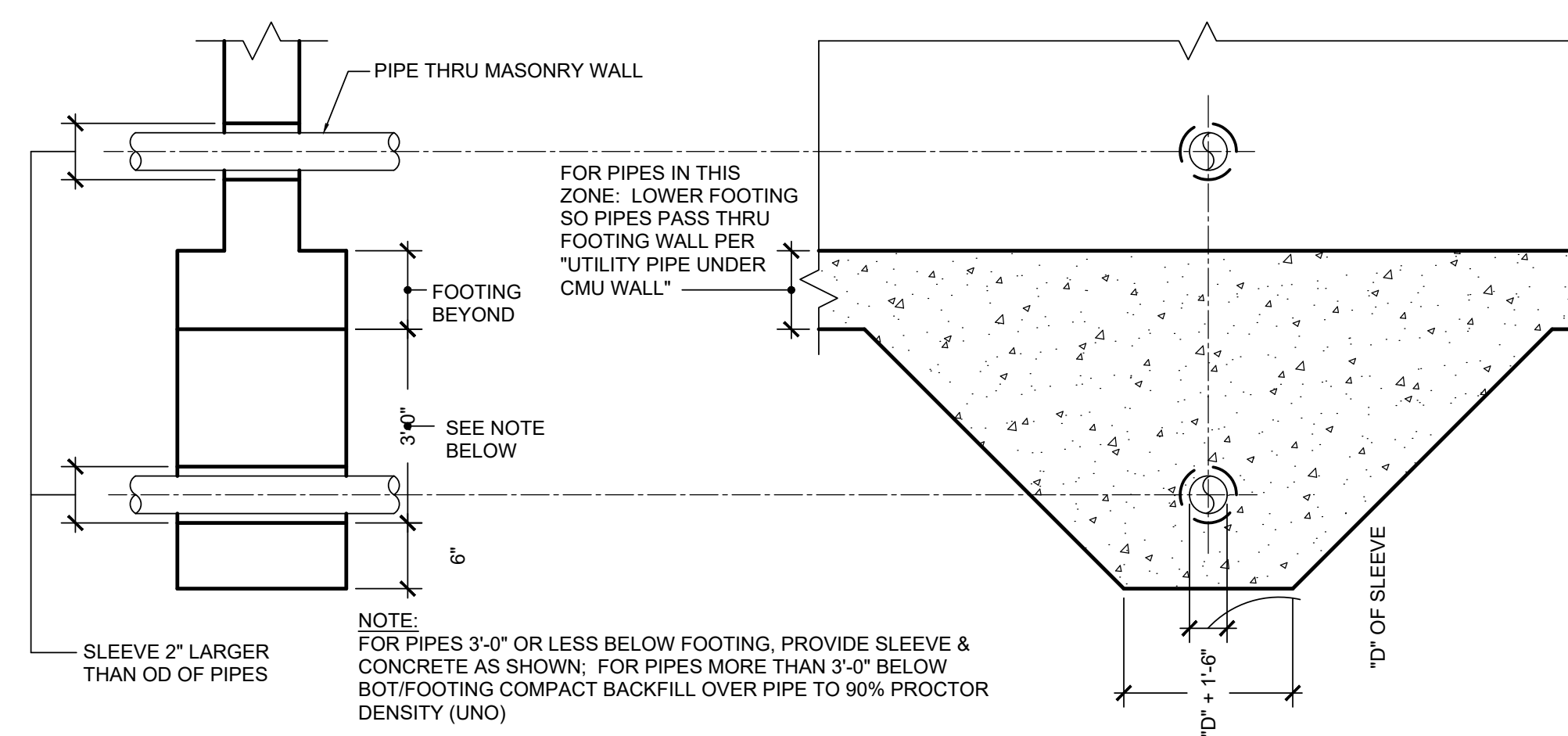
2 TRUSS ELEVATION  
SCALE: 3/4" = 1'-0"



A TYP UTILITY PIPE UNDER CMU WALL  
SCALE: NTS



B TYP FOUNDATION INFLUENCE DETAIL  
SCALE: NTS



EXCAVATION TRANSVERSE TO WALL FTG

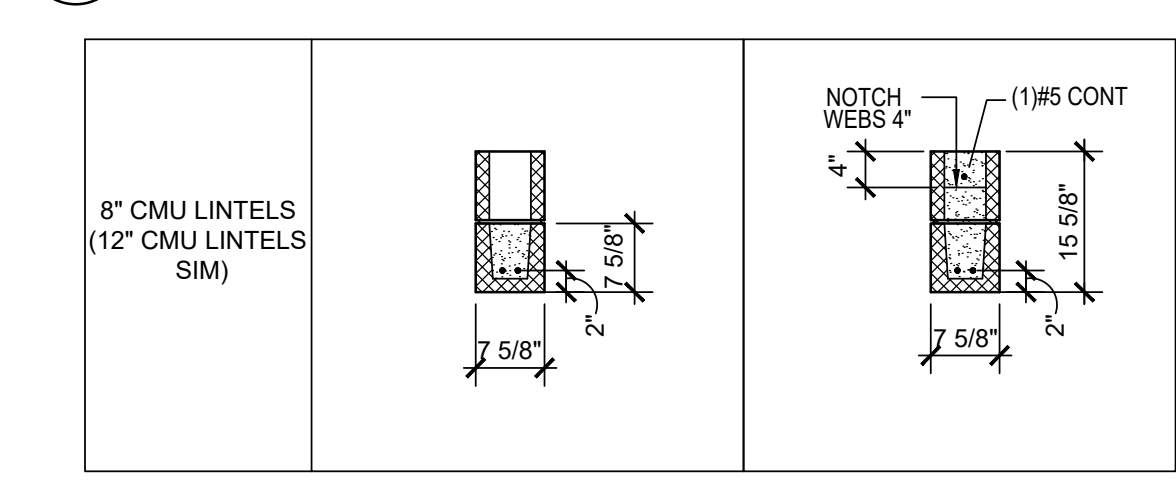
C TYP FOUNDATION DETAIL @ UTILITY PIPES  
SCALE: NTS

FOR CONSTRUCTION

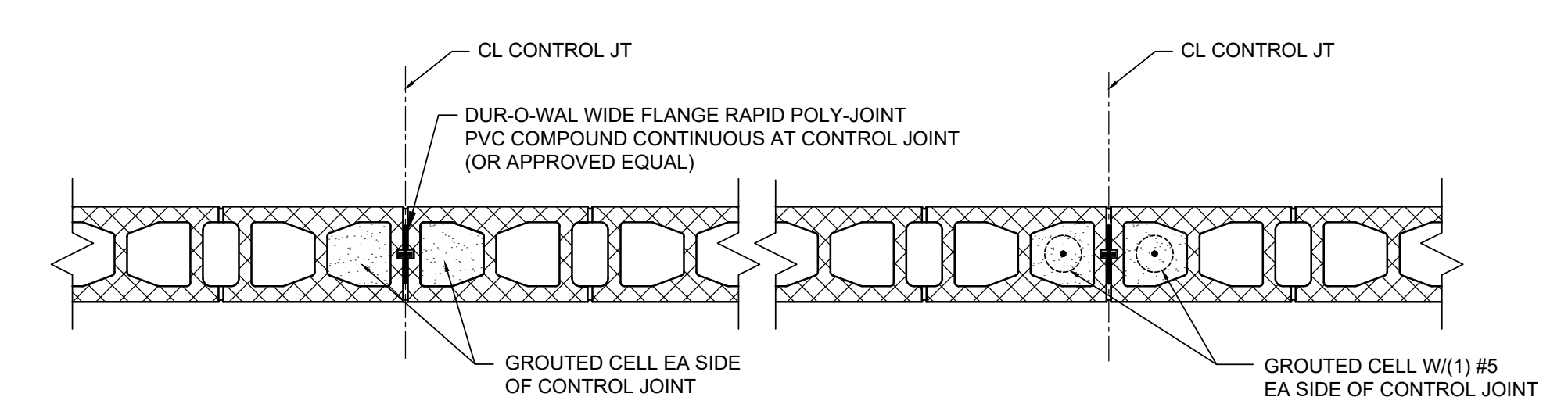
OPENING WIDTH		MASONRY LINTELS				
MIN.	MAX.	DEPTH	LINTEL DEPTH AND REINFORCING **			
-	2'-0"	7 5/8"	(1) #4	(1)#4 BOTT.	(2)#5 BOTT.	(2)#5 BOTT.
2'-1"	3'-6"	7 5/8"	(1) #4	(1)#4 BOTT.	(2)#5 BOTT.	(2)#5 BOTT.
3'-7"	5'-0"	7 5/8"	(1) #4	(1)#5 BOTT.	(2)#5 BOTT.	(2)#5 BOTT.
5'-1"	6'-6"	7 5/8"	-	(1)#5 BOTT.	(2)#5 BOTT.	(2)#6 BOTT.
6'-7"	8'-0"	7 5/8"	-	(1)#5 BOTT.	(2)#5 BOTT.	(2)#6 BOTT.
8'-1"	10'-0"	15 5/8"	-	(2)#5 BOTT.	(2)#5 BOTT.	(2)#6 BOTT.
10'-1"	12'-0"	15 5/8"	-	(2)#5 BOTT.	(2)#5 BOTT.	(2)#6 BOTT.

\*\* 8" BEARING EACH END FOR U-BLOCK  
NOTES:  
1. THIS SCHEDULE TO BE USED UNLESS NOTED OTHERWISE.  
2. DO NOT USE THIS SCHEDULE IF CONCENTRATED LOAD IS APPLIED TO LINTEL.  
3. DO NOT USE THIS SCHEDULE IF HEIGHT OF MASONRY ABOVE OPENING IS LESS THAN HALF OF THE OPENING WIDTH.

4 MASONRY WALL LINTEL SCHEDULE  
SCALE: NTS

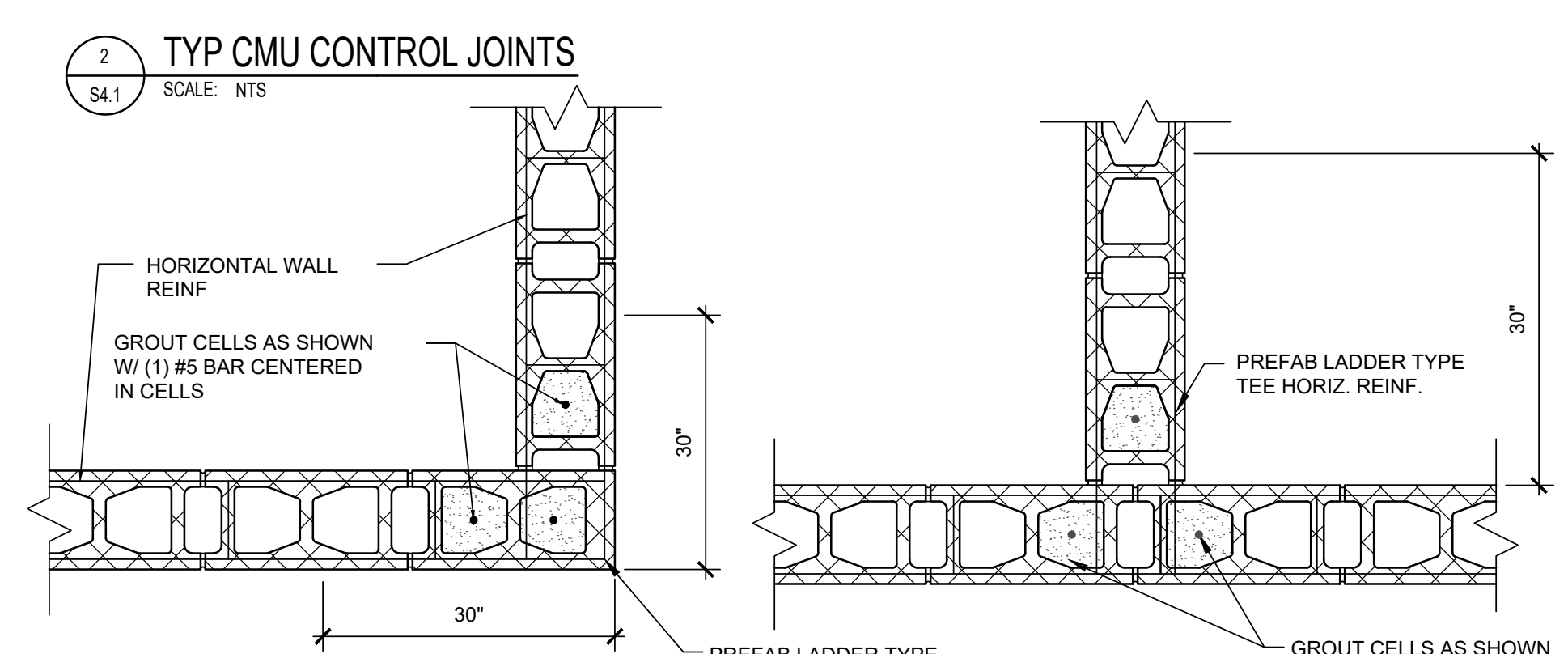


5 MASONRY LINTEL REINFORCING CONFIGURATIONS  
SCALE: NTS



@ NON-SHEARWALL @ SHEARWALL

NOTES:  
1. SEE GENERAL NOTES FOR SPACING GUIDELINES FOR CONTROL JOINTS IN INTERIOR/EXTERIOR CMU WALLS.  
2. SEE ARCH FOR EXACT LOCATIONS OF CONTROL JOINTS  
3. DISCONTINUE HORIZONTAL REINFORCING AT CONTROL JOINT LOCATIONS



@ CORNER @ TEE INTERSECTION

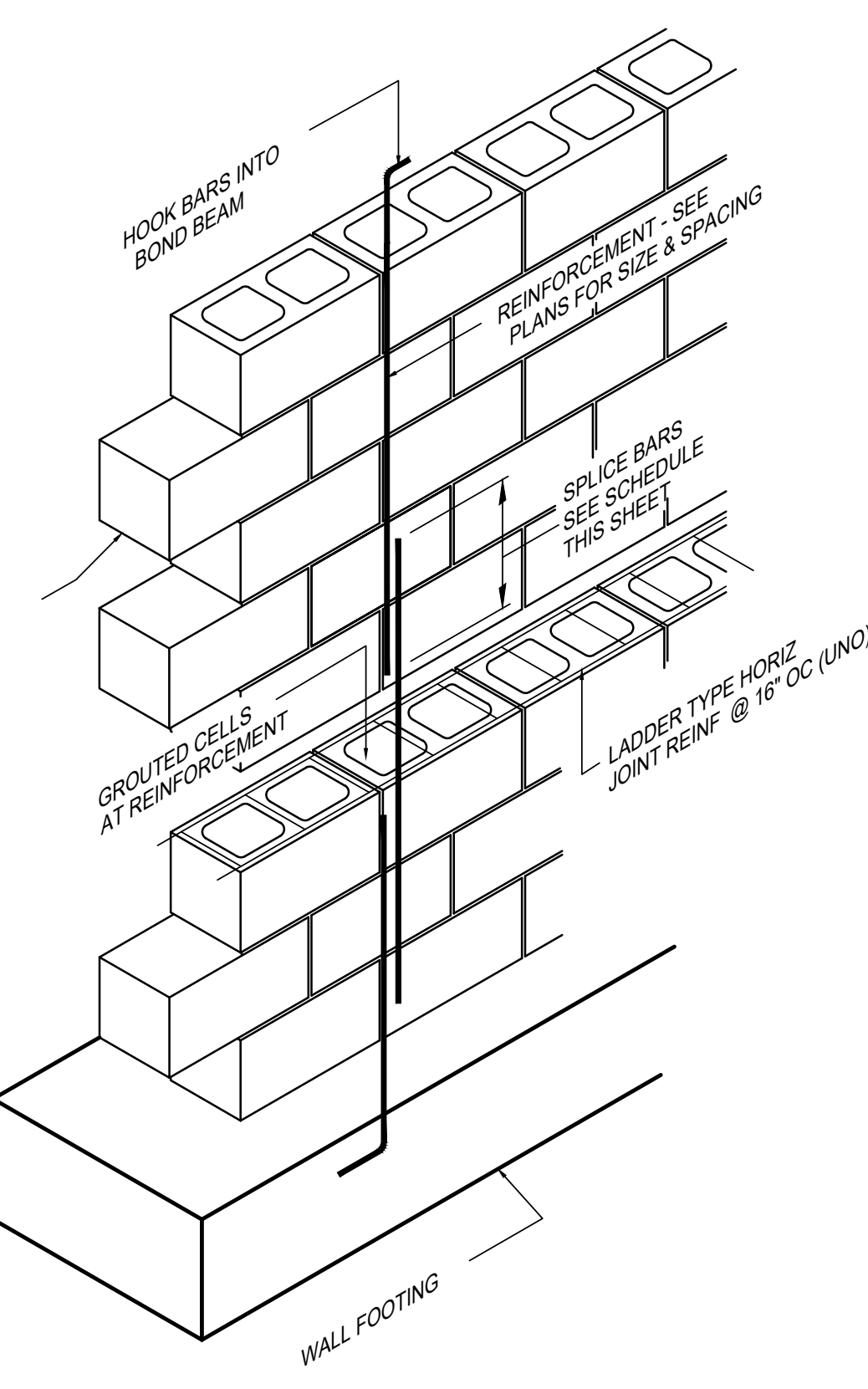
NOTES:  
1. CORNER/TEE INTERSECTION REINF. SHALL BE LAPPED WITH THE TYPICAL TRUSS TYPE HORIZ. REINF. AND EXTEND A MINIMUM OF 30" IN EACH DIRECTION AT THE INTERSECTION.  
2. SEE PLAN FOR SPACING OF TYPICAL HORIZ. REINF.

3 TYP CMU WALL CORNER/TEE INTERSECTIONS  
SCALE: NTS

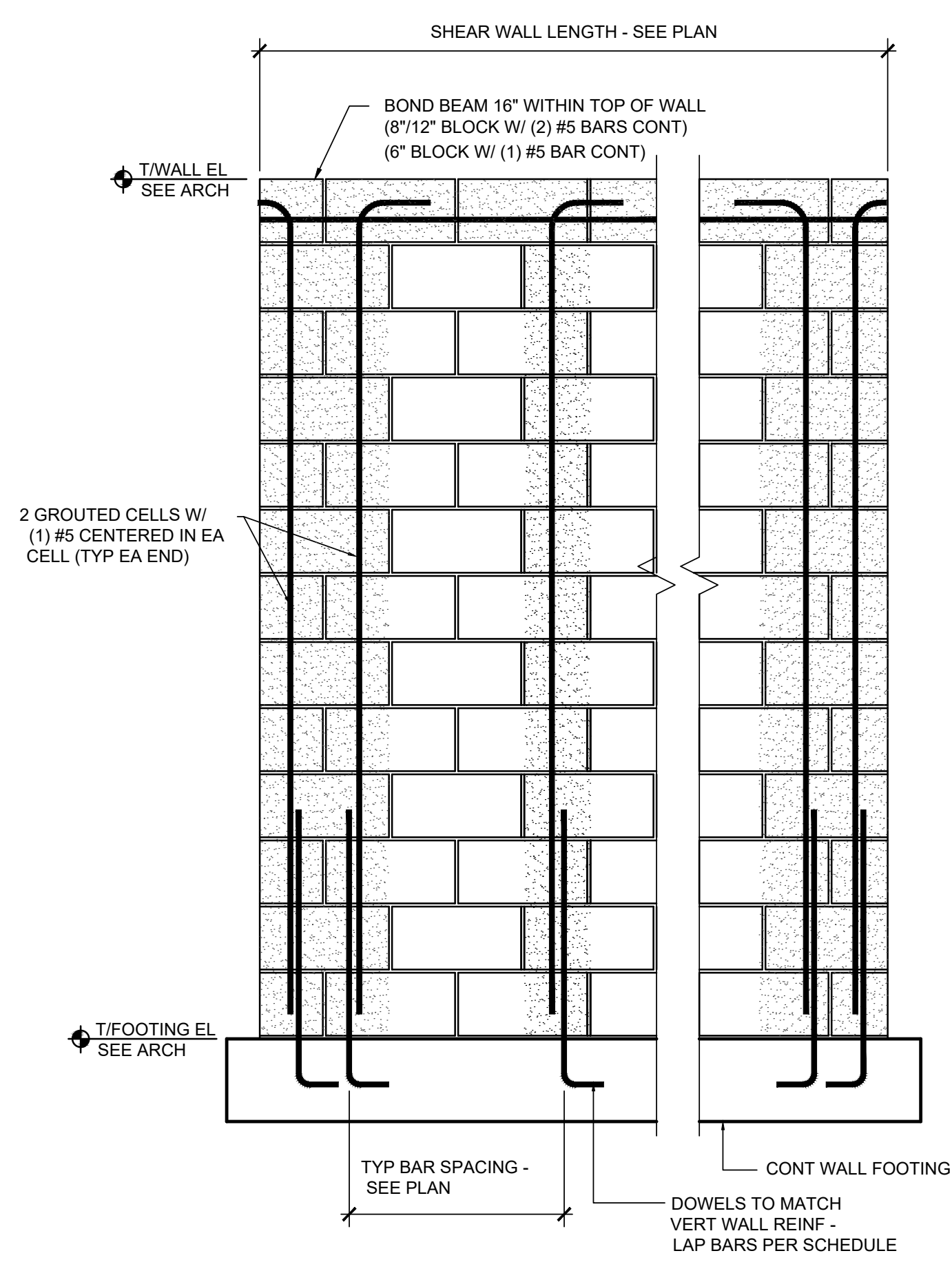
BAR SIZE	LAP LENGTH
#4	21"
#5	26"
#6	43"

\* LAP LENGTHS APPLY TO 8" OR 12" CMU WITH REINFORCING CENTERED IN CELL (UNO).

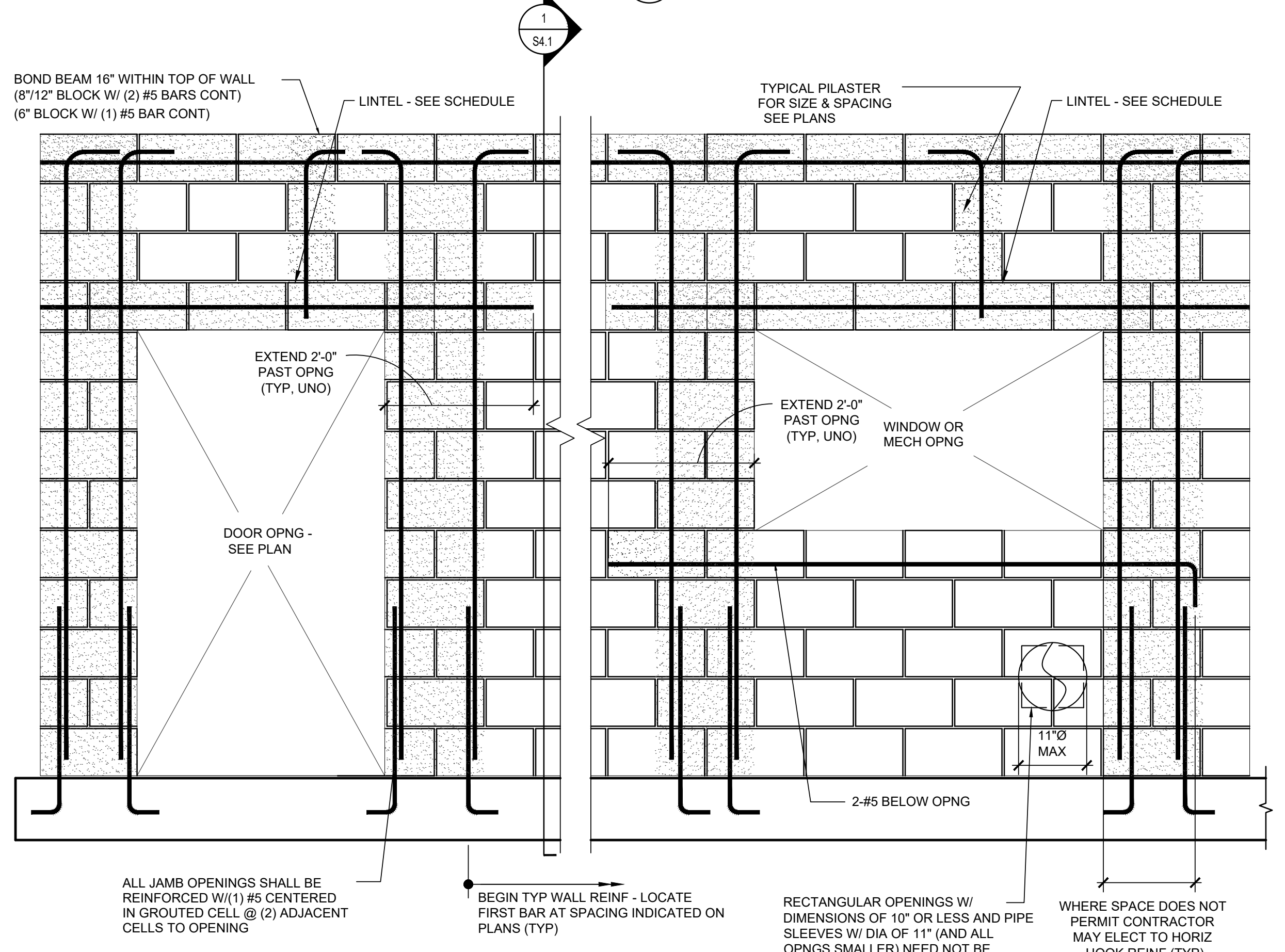
LOW LIFT GROUTING PROCEDURE  
1. CONSTRUCT WALL TO HEIGHT OF 5'-0". ALLOW MORTAR TO SET SUFFICIENTLY TO WITHSTAND GROUT PRESSURE.  
2. INSPECT UNITS FOR ALIGNMENT. CLEAN OUT CELLS TO BE FILLED.  
3. FILL CELLS TO 1 1/2" BELOW TOP COURSE.  
4. DELAY 3 TO 5 MINUTES PRIOR TO CONSOLIDATING TO ALLOW WATER TO BE ABSORBED BY MASONRY.



1 TYPICAL DETAIL OF LOW-LIFT REINFORCED MASONRY CONSTRUCTION  
SCALE: NTS



6 TYP CMU SHEARWALL ELEVATION  
SCALE: NTS



7 TYP CMU SHEARWALL ELEVATION WITH OPENINGS  
SCALE: NTS

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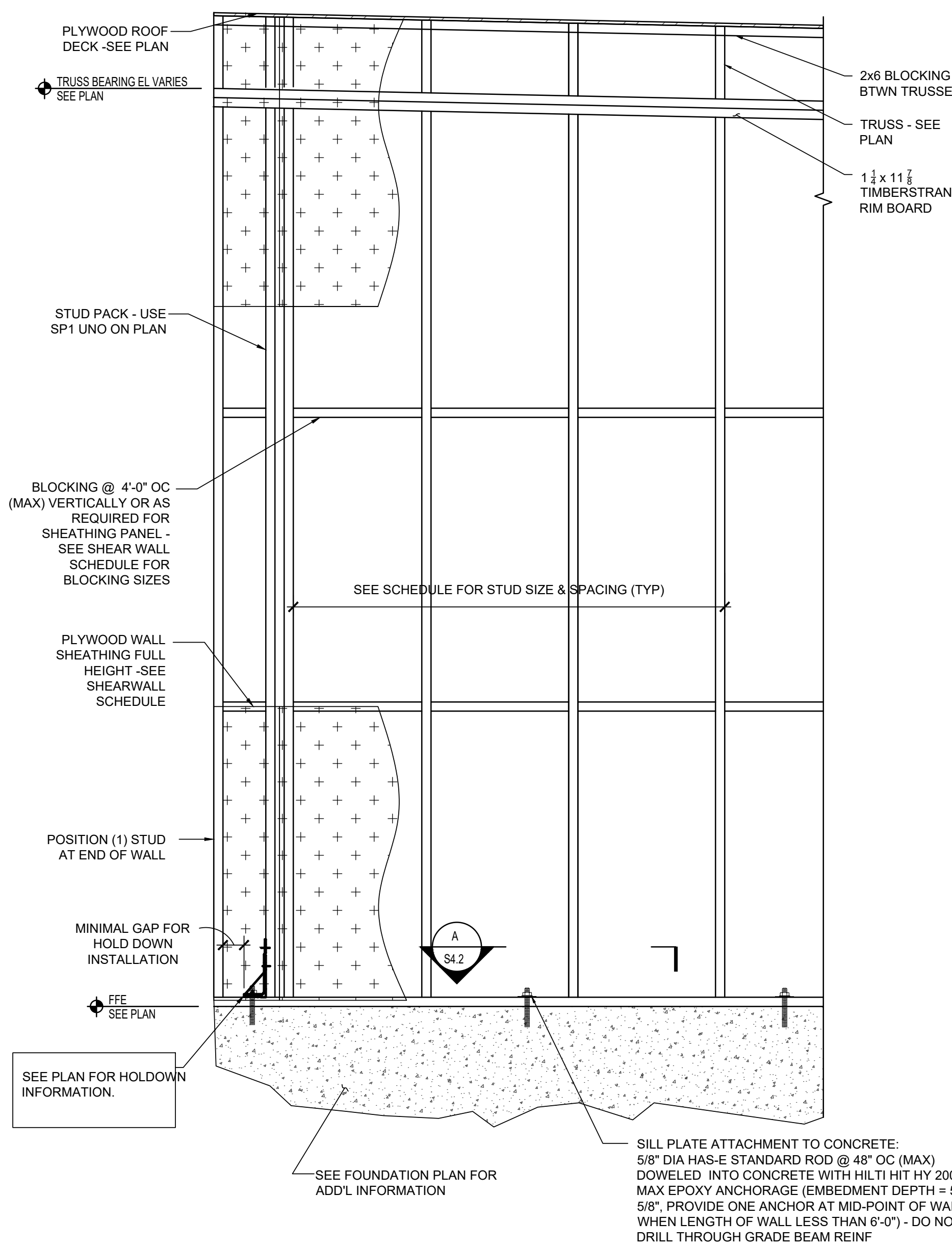
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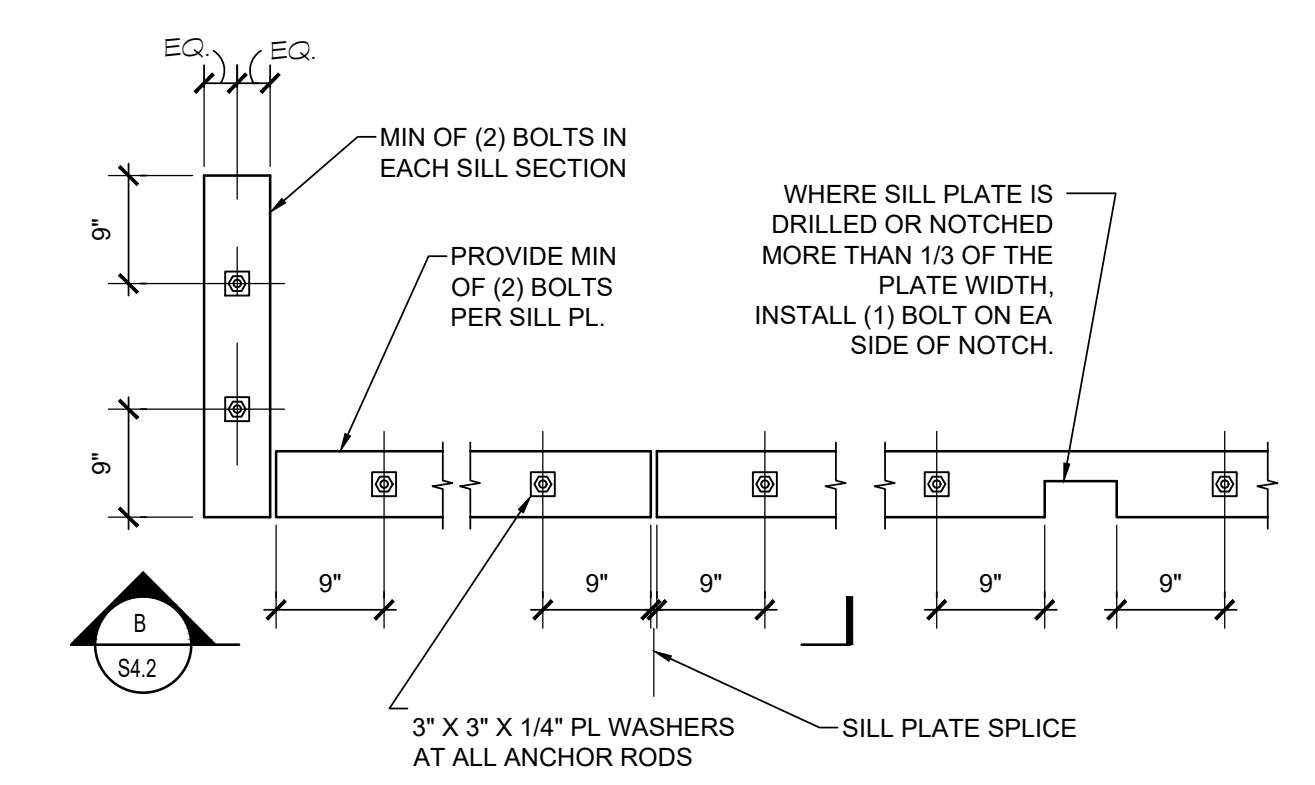


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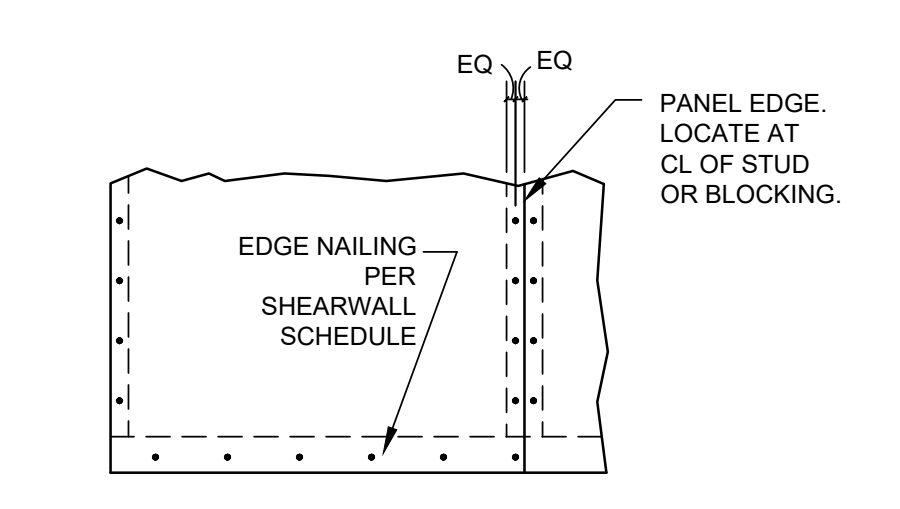


NOTE: SEE PLAN, SECTIONS & NOTES FOR ADDITIONAL CONNECTION INFORMATION.  
**1 TYP NON LOAD BEARING SHEAR WALL ELEVATION**  
SCALE: NTS

SILL BEAM SCHEDULE	
SPAN OF OPENING	SIZE
0' - 4'	(3) 2x6 W/ (2) 1/2" PLYWOOD FLITCH PL
4' - 6'	(3) 2x8 W/ (2) 1/2" PLYWOOD FLITCH PL
OVER 6' - 0'	(3) 2x12 W/ (2) 1/2" PLYWOOD FLITCH PL



**A TYPICAL SILL PLATE BOLTING**  
SCALE: 3/4"=1'-0"

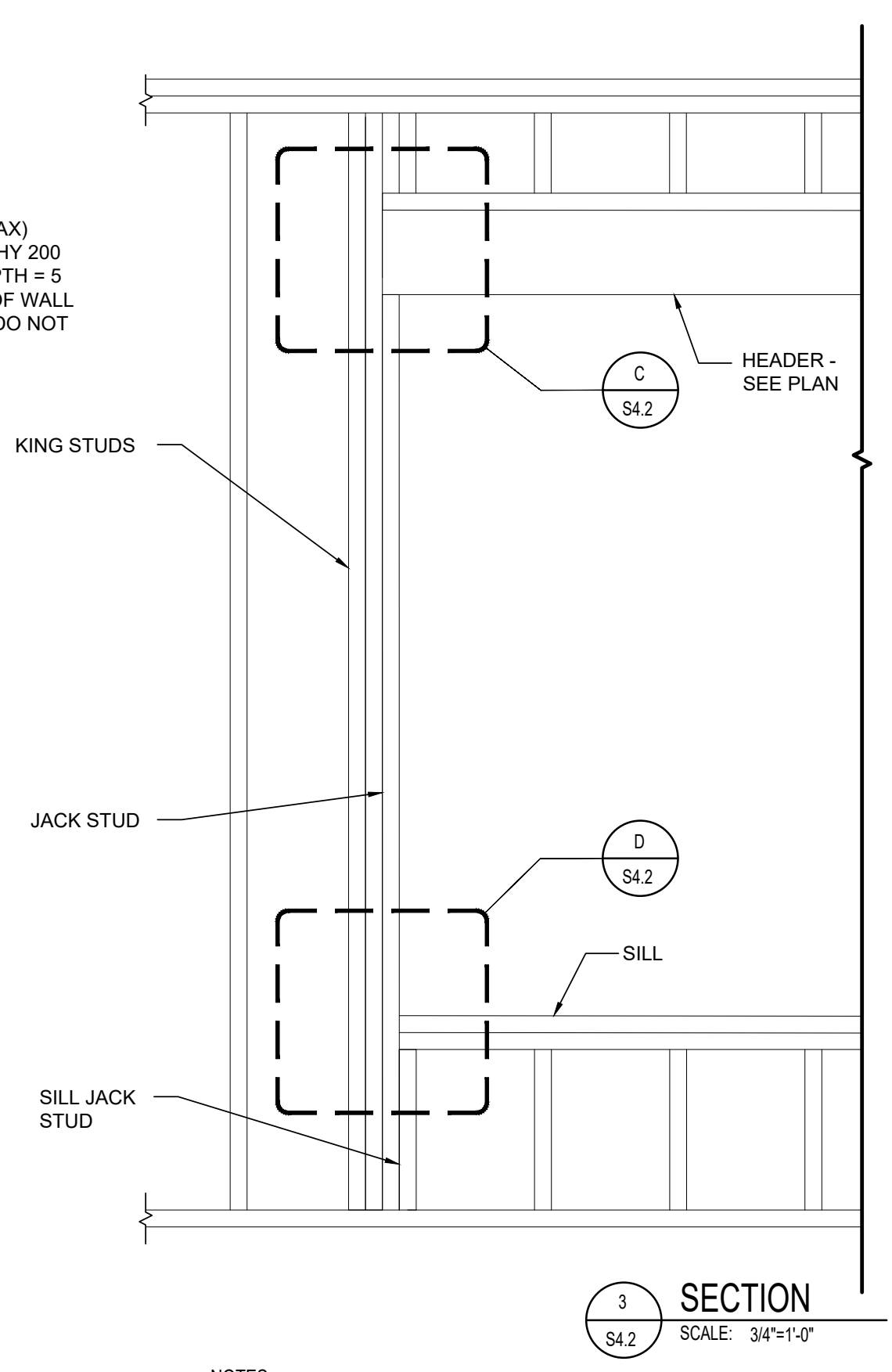


**B TYPICAL SHEARWALL EDGE NAILING**  
SCALE: 3/4"=1'-0"

TIMBER SHEAR WALL SCHEDULE								
	DESCRIPTION	STUD SIZE & SPACING	SHEATHING	EDGE SHEATHING ATTACHMENTS	FIELD (INTERIOR) SHEATHING ATTACHMENTS	SILL PLATES (NOMINAL SIZE)	BLOCKING	REMARKS
W1	NON LOAD BEARING INTERIOR SHEARWALL	2x4 (MIN) @ 24" OC (MAX) - SEE SECTION	19/32" OSB	10d (2 1/2" LONG) @ 6" OC	10d @ 12" OC	2x4 (MIN)	2x4 (MIN)	1/S4.1 & B/S4.1 USE 2-PLY 2x4 STUD PACK AT EA END AND HD1 AT WALL ENDS

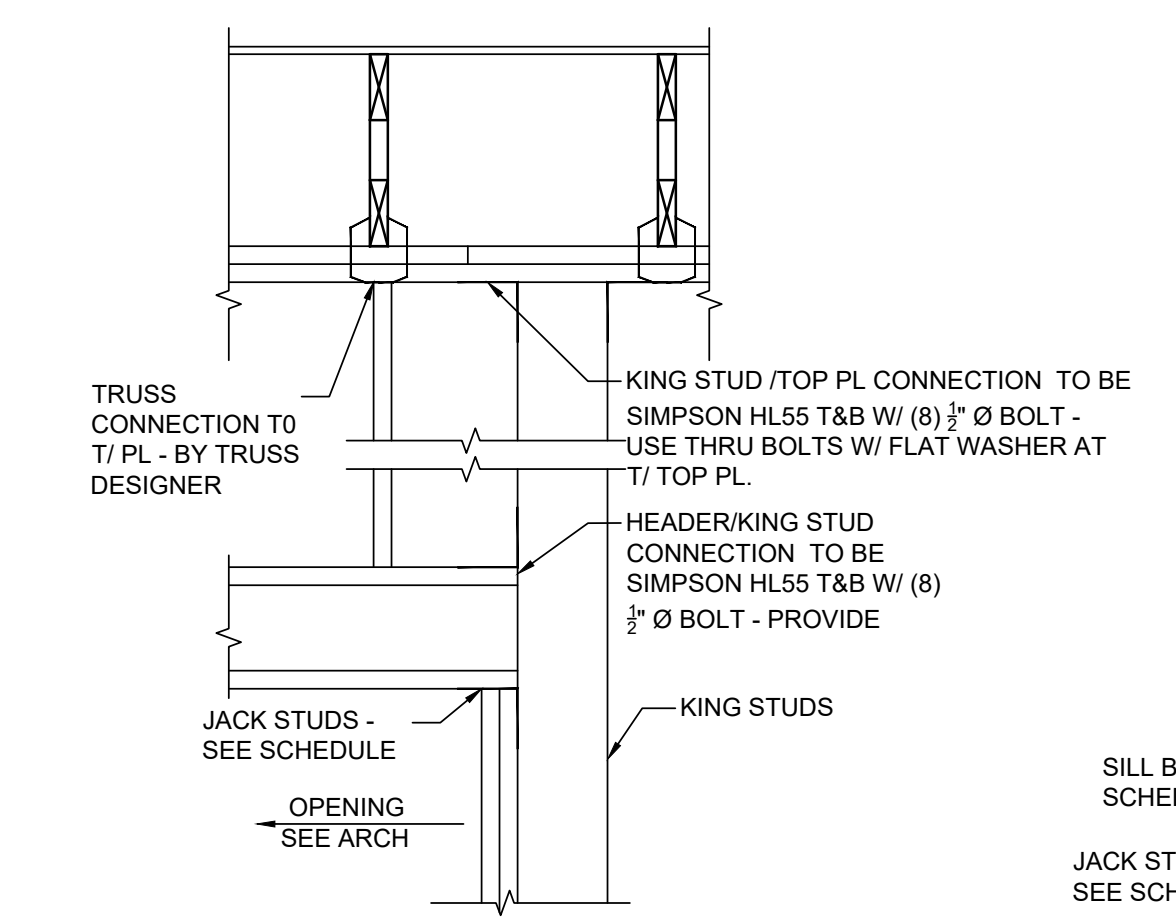
HOLDOWN SCHEDULE					
MARK	HOLDDOWN	A.B.	MIN. NUM OF STUDS	FASTENERS REQ'D AT STUDS	ANCHOR BOLT EMBEDMENT
HD1	SIMPSON HD5B	5/8"Ø	(2) 2x4 (MIN)	(2) 3/4" Ø	12" (MIN)

**2 SHEAR WALL SCHEDULE**  
SCALE: NTS

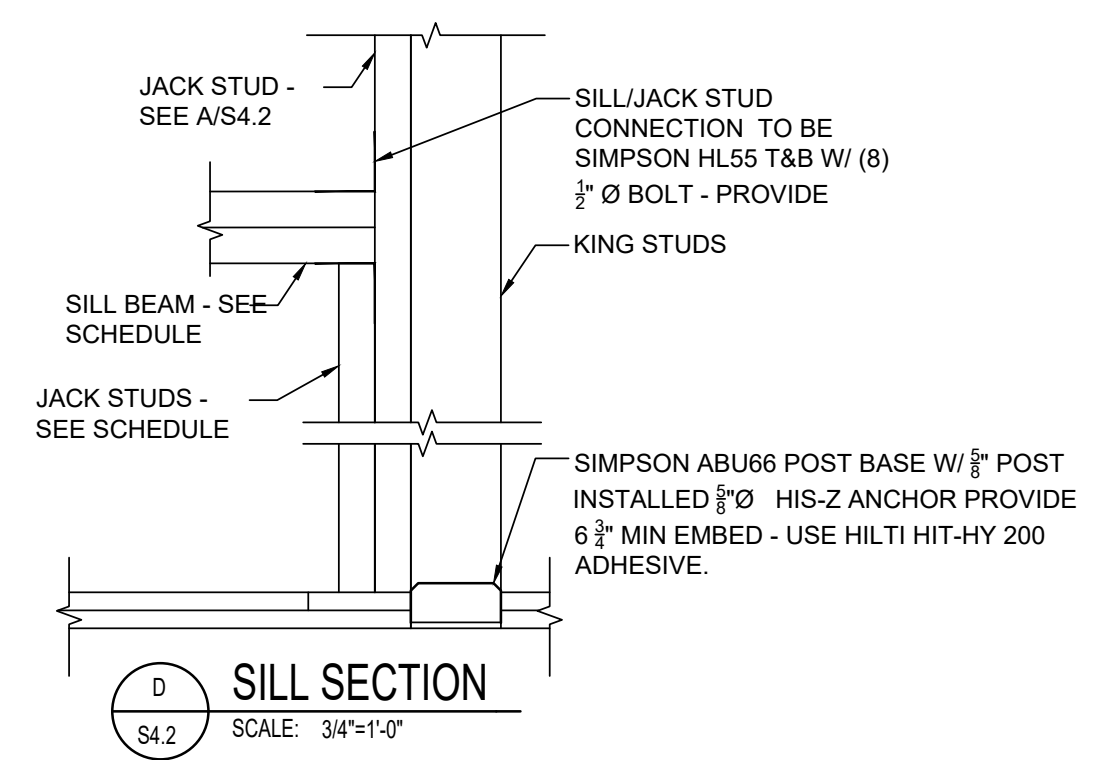


**3 SECTION**  
SCALE: 3/4"=1'-0"

NOTES:  
1. SEE PLAN FOR HEADER SIZE.  
2. " PROVIDE 2x CONT PLATE TOP & BOTTOM  
3. PROVIDE PLYWOOD (PW) FLITCH AS REQ'D TO FLUR OUT HEADER TO ADJACENT WALL DEPTH AND SANDWICH PLYWOOD FLITCH BTWN HEADER MEMBERS ON INDICATED IN SCHEDULE.



**C HEADER SECTION**  
SCALE: 3/4"=1'-0"



**D SILL SECTION**  
SCALE: 3/4"=1'-0"

\*UNLESS OTHERWISE NOTED ON PLAN  
NOTE: WHERE STUD PACK IS INDICATED ON PLAN AT JAMB CONDITION, 1/2 OF SCHEDULED KING STUDS SHALL BE ADDED TO NUMBER OF SCHEDULED STUDS IN STUD PACK.

FOR CONSTRUCTION

**GENERAL HVAC NOTES**

- ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE LOCAL CODE OFFICE'S LATEST APPROVED VERSION OF THE INTERNATIONAL MECHANICAL CODE, THE INTERNATIONAL BLDG. CODE, THE STATE ENERGY CODE, NFPA 54, NFPA 90A, 101, UNDERWRITERS LABORATORIES AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
- PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCTWORK SIZES, EQUIPMENT LOCATIONS, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT.
- SUBMITTALS AND SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT AND MECHANICAL ENGINEER PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. THESE SHALL INCLUDE ALL EQUIPMENT SPECIFIED ON THE PLANS OR IN THE PROJECT SPECIFICATIONS. IF ANY MECHANICAL EQUIPMENT SUBMITTED DEVIATES FROM THAT SHOWN IN THE PLANS AND SPECIFICATIONS AS BASIS OF DESIGN, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY AND ALL CHANGES REQUIRED OF OTHER TRADES TO ACCOMPLISH THE WORK USING SUBMITTED EQUIPMENT.
- ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE (FUSED OR NON-FUSED) WITH EQUIPMENT CHARACTERISTICS, MANUFACTURER'S RECOMMENDATIONS, AND ELECTRICAL PLANS AND SPECIFICATIONS. SEE SPECIFICATIONS FOR DESCRIPTION OF INTERFACE WITH DIVISION 16 WORK.
- ALL ELECTRICAL CHARACTERISTICS OF POWERED MECHANICAL EQUIPMENT SHALL BE VERIFIED AND FIELD COORDINATED WITH DIVISION 16 CONTRACTOR BEFORE ANY EQUIPMENT IS PURCHASED OR ORDERED.
- ALL REQUIRED CONTROL WIRING NOT SHOWN ON ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK. WIRING IN HVAC PLENUM SPACES SHALL BE INSTALLED ACCORDING TO CODE REQUIREMENTS.
- UNLESS OTHERWISE NOTED, STARTERS, TRANSFORMERS, CONTROLS AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
- INSTALL FIRE DAMPERS IN ALL RATED WALL, FLOOR, AND CEILING PENETRATIONS AS APPLICABLE. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED AREAS. PROVIDE ACCESS DOORS IN DUCT AT EACH FIRE DAMPER LOCATION. INSTALL SMOKE DAMPERS IN ALL DUCT PENETRATIONS THROUGH SMOKE RATED WALLS. WHERE DUCTS PENETRATE WALLS THAT CARRY BOTH SMOKE AND FIRE RATINGS, THE DAMPERS INSTALLED SHALL BE COMBINATION SMOKE AND FIRE DAMPERS. ALL DAMPERS SHALL BE U.L. 555 LABELED.
- FIRE ALARM CONTRACTOR SHALL PROVIDE SMOKE DETECTORS FOR THE SUPPLY AND RETURN AIR TRUNKS OF ALL HVAC EQUIPMENT SUPPLYING GREATER THAN 2000 CFM TO ANY SPACE. PER IMC 606, DUCT SMOKE DETECTORS SHALL SHUT DOWN THE AIR DISTRIBUTION SYSTEM UPON ACTIVATION. PER IMC 606, DUCT SMOKE DETECTORS TO BE CONNECTED TO THE BUILDING FIRE ALARM PANEL AS APPLICABLE. IF THE OCCUPANCY DOES NOT REQUIRE A FIRE ALARM PANEL, THE ACTIVATION OF DUCT SMOKE DETECTORS SHALL ACTIVATE AN AUDIBLE AND VISIBLE SIGNAL IN AN APPROVED LOCATION. SIGNAL TO BE IDENTIFIED AS "AIR DUCT DETECTOR TROUBLE". HVAC UNITS MAY BE RESET AT FIRE ALARM PANEL.
- FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR ALL WIRING AND EQUIPMENT TO MONITOR SMOKE DETECTORS AND SHUT DOWN HVAC UNIT UPON SMOKE DETECTOR ACTIVATION. FIRE ALARM CONTRACTOR SHALL PROVIDE DUCT DETECTORS, AND MECHANICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING DETECTOR IN DUCT. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND OPERATION OF BUILDING FIRE ALARM SYSTEM.
- ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- SUPPLY, RETURN, EXHAUST, AND OUTDOOR AIR DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL AS RECOMMENDED IN SMACNA LOW PRESSURE DUCT CONSTRUCTION STANDARDS, LATEST EDITION. ALL JOINTS, SEAMS, AND TAKE-OFFS IN SUPPLY AND RETURN SHEET METAL DUCTWORK SHALL BE SEALED WITH MASTIC DUCT SEALER TO SMACNA CLASS A, NO CLOTH DUCT TAPE IS ALLOWED.
- ALL SHEET METAL SUPPLY, RETURN, AND VENTILATION AIR DUCT WORK SHALL BE INSULATED WITH FIBERGLASS DUCT INSULATION WITH FOIL VAPOR BARRIER, U.L. LISTED, MINIMUM R-6 OR OTHERWISE AS REQUIRED BY LOCAL ENERGY CODES. USE R-8 IN ATTICS OR OUTSIDE THE BUILDING INSULATION ENVELOPE. EXHAUST DUCT WORK SHALL BE INSULATED WITH THE SAME WITHIN 10' OF EXTERIOR WALL OR ROOF OPENING.
- ALL MECHANICAL EQUIPMENT SHALL BE LABELED WITH BAKELITE NAMEPLATE WITH 2" HIGH WHITE LETTERS ON A BLACK BACKGROUND. NAMEPLATE SHALL SHOW EQUIPMENT TAG USED ON THESE DRAWINGS. ELECTRICAL DISCONNECTS FOR EQUIPMENT SHALL BE LABELED TO MATCH EQUIPMENT SERVED.
- ALL DUCTWORK SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT HANG FROM OR REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND CONNECTION TO STRUCTURE SHALL BE AS PER SMACNA STANDARDS.
- FLEXIBLE DUCTWORK SHALL BE THERMAFLEX M-KE (U.L. 181 LISTED, CLASS 1 FLEXIBLE AIR DUCT) OR EQUAL. PROVIDE THERMAFLEX M-KE R-6 (R-6 MINIMUM VALUE OR AS REQUIRED BY LOCAL ENERGY CODE) IN UNCONDITIONED SPACES. USE R-8 IN ATTICS AND SPACES OUTSIDE THE BUILDING INSULATION ENVELOPE. AIR CONNECTORS ARE NOT ACCEPTABLE. SIZE TO MATCH DEVICE NECK, PROVIDE ROUND GALVANIZED STEEL DUCT RUN-OUTS TO PROVIDE A MAXIMUM FLEXIBLE DUCT LENGTH OF 5'-0". FLEXIBLE DUCTWORK SHALL BE ROUTED AS STRAIGHT AS POSSIBLE AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS. PROVIDE SQUARE TO ROUND ADAPTERS OR BOOTS AS REQUIRED TO CONNECT TO AIR DEVICE NECK.
- BRANCH RUN-OUT DUCTS SHALL BE SAME SIZE AS DIFFUSER NECK IF NOT NOTED OTHERWISE.
- SHEET METAL DUCTWORK SHOWN AS BEING INTERNALLY LINED SHALL BE LINED WITH 1" THICK, 3 LB/CFWT. DENSITY DUCT LINER, MINIMUM R-4 OR AS REQUIRED BY APPLICABLE ENERGY CODE, CERTAINTED "TOUGHGARD" OR EQUAL BY JOHNS-MANVILLE OR KNAUF. LINE ALL DUCTWORK A MINIMUM OF 15'-0" DOWNSTREAM AND UPSTREAM (WHERE POSSIBLE) OF ALL AIR HANDLING UNITS, FAN COIL UNITS, AND TERMINAL UNITS. LEADING EDGE OF INSULATION SHALL HAVE SHEET METAL NOSING. DUCT THAT IS INTERNALLY INSULATED SHALL BE EXTERNALLY INSULATED AS WELL TO ACHIEVE REQUIRED TOTAL U-VALUE.
- DUCTWORK DIMENSIONS SHOWN ON DRAWING ARE INSIDE CLEAR DIMENSIONS. CONTRACTOR SHALL ADJUST TOTAL DUCT WORK DIMENSIONS TO ACHIEVE SHOWN INSIDE CLEAR DIMENSIONS.
- DUCTWORK AND EQUIPMENT SHOWN IS DIAGRAMMATIC. COORDINATE AND ROUTE DUCTWORK TO MEET JOB REQUIREMENTS. LOCATION OF EQUIPMENT MUST BE COORDINATED WITH ALL DISCIPLINES BEFORE FINAL LOCATIONS ARE SELECTED. WEIGHTS OF EQUIPMENT MUST BE VERIFIED AND COORDINATED WITH STRUCTURAL SYSTEMS MANAGERS BEFORE EQUIPMENT CAN BE MOVED INTO LOCATION OR INSTALLED.
- ALL CONDENSATE DRAIN LINES FROM HVAC EQUIPMENT LOCATED INSIDE THE BUILDING SHALL BE TRAPPED AND SHALL DRAIN INTO BUILDING FLOOR DRAINS, ROOF DRAINS, OR STORM DRAINS. CONDENSATE SHALL BE INSULATED SCHEDULE 40 PVC (EXCEPT INSULATED TYPE L COPPER IN HVAC PLENUMS). CONDENSATE SHALL BE PUMPED AS REQUIRED.
- ALL PIPING ABOVE GRADE SHALL BE SUPPORTED BY THE BUILDING STRUCTURE, AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. PIPE HUNG FROM JOISTS SHALL BE HUNG FROM THE TOP CHORD OF JOISTS.
- ALL PIPE AND DUCT PENETRATIONS OF FIRE AND/OR SMOKE RATED ASSEMBLIES SHALL BE FIRESTOPPED AS REQUIRED TO RESTORE ASSEMBLY TO ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE MANUFACTURED BY 3M COMPANY, CP25 CAULK, CP195 COMPOSITE PANEL, FS195 WRAP/STRIP, OR PSS 7900 SERIES SYSTEMS AS RECOMMENDED BY MFG. FOR PARTICULAR APPLICATIONS, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.
- ANY WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THIS WORK SHALL BE REPAIRED TO EXISTING OR LIKE-NEW CONDITION.
- OUTSIDE HARDWARE FOR EXHAUST FANS SHALL BE PLACED IN A LOCATION SUITABLE TO OWNER. CONTRACTOR SHALL COORDINATE PLACEMENT WITH OWNER BEFORE FINAL INSTALLATION. OUTSIDE HARDWARE FOR EXHAUST FANS AND FRESH AIR INTAKES SHOULD BE CONSTRUCTED SO AS TO BE WEATHERTIGHT AND SHOULD INCLUDE INTEGRAL BIRD OR INSECT SCREENS.
- CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY PRODUCTS AND MATERIALS FOR A COMPLETE MECHANICAL SYSTEM.

HVAC LEGEND		
SYMBOL - SINGLE LINE	SYMBOL - DOUBLE LINE	DESCRIPTION
		CEILING DIFFUSER
		CEILING RETURN GRILLE
		SIDEWALL SUPPLY REGISTER OR GRILLE
		SIDEWALL RETURN REGISTER OR GRILLE
		EQUIPMENT DESIGNATION
		DIFFUSER TAG: TYPE "A", NECK SIZE 8", BALANCED FOR 200 CFM
		LOUVER TAG: TYPE "WL-1", SIZE FOR 75 CFM @ 500 FPM
		DROP
		RISE
		DUCT SIZE - RECTANGULAR
		DUCT SIZE - ROUND
		DUCT TRANSITION
		RETURN AIR DUCT TURNED DOWN
		RETURN AIR DUCT TURNED UP
		RECT. ELBOW WITH TURNING VANES
		LINED DUCT
		FLEXIBLE DUCT
		DUCT SMOKE DETECTOR
		FIRE DAMPER
		FIRE/SMOKE DAMPER
		CEILING RADIATION DAMPER
		MOTOR OPERATED DAMPER
		SMOKE DAMPER
		CONSTANT AIRFLOW REGULATOR
		MANUAL VOLUME DAMPER
		BACKDRAFT DAMPER
		FLEXIBLE EQUIPMENT CONNECTOR
		THERMOSTAT, HUMIDISTAT, CARBON DIOXIDE WALL-MOUNTED SENSOR, OR AS NOTED
		REVISION TAG (#1)
		UNDER CUT (DOOR) 1"
		CONNECT TO EXISTING

HVAC ABBREVIATIONS	
SYMBOL	DESCRIPTION
MBH	1000 BTU/HR
AC	ABOVE CEILING
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
CD	CONDENSATE DRAIN
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE (IN. W.C.)
HP	HEAT PUMP UNIT OR HORSEPOWER
CU	CONDENSING UNIT
OA	OUTSIDE AIR
WL	WALL LOUVER
FC	FLEXIBLE EQUIPMENT CONNECTOR
IDU	DUCTED OR DUCTLESS MINI-SPLIT FAN COIL
ODU	MINI-SPLIT HEAT PUMP OR CONDENSING UNIT
FNU	FURNACE UNIT
DN	DOWN
CTE	CONNECT TO EXISTING

SPLIT SYSTEM FURNACE UNIT SCHEDULE														
TAG	BASIS OF DESIGN	AREA SERVED	COOLING COIL	NOM TON	SUPPLY AIR CFM	E.S.P. (IWG)	COOLING CAP. (MBH)	COOLING EFFIC. (SEER)	GAS HTG. (MBH) INPUT	GAS HTG. (MBH) OUTPUT	HEATING EFFIC. (AFUE)	POWER	OP. WEIGHT (LBS)	NOTES
CU / GFU-1	CARRIER 24ACC630 / 59SC5B060	EXERCISE / LOCKER	CAPMP30*	2.5	1,000	0.5	21.1 / 30.0	(15.0)	60.0	58.0	0.96	SEE DIV. 16	218 / 172	1,2,3,4,5,6,7,8
CU / GFU-2	CARRIER 24ACC618 / 59SC5B040	BUNK	CAPMP18*	1.5	600	0.5	12.7 / 18.0	(15.0)	40.0	39.0	0.96	SEE DIV. 16	218 / 172	1,2,3,4,5,6,7,8
CU / GFU-3	CARRIER 24ACC642 / 59SC5B080	LIVING	CAPMP42*	3.5	1,400	0.5	29.6 / 42.0	(15.0)	80.0	78.0	0.96	SEE DIV. 16	218 / 172	1,2,3,4,5,6,7,8

- NOTES:
- SEE MECHANICAL SPECIFICATIONS & DETAILS FOR ADDITIONAL REQUIREMENTS
  - WALL MOUNTED DIGITAL PROGRAMMABLE TYPE THERMOSTAT, LOCATED AS SHOWN ON PLANS
  - OUTDOOR CONDENSING UNIT w/ COIL GUARD PROTECTION
  - UNITS INDICATED ARE BASIS OF DESIGN; OTHER APPROVED VENDORS ARE TRANS
  - ROUTE 3" VENT TO BACK OF ROOF. FOLLOW MANUFACTURER'S INSTALLATION REQUIREMENTS.
  - PROVIDE CONDENSATE NEUTRALIZATION KIT. ROUTE TO NEAREST DRAIN. REFER TO PLUMBING PLANS FOR EXACT LOCATION
  - AIR PURIFICATION DEVICE EQUAL TO GLOBAL PLASMA SOLUTIONS MODEL GPS-RN-2400, OR AS REQUIRED BY 2019 ASHRAE 62.1 IAQ PROCEDURE FOR COMPLIANCE
  - VERIFY COIL SIZE MATCHES FURNACE UNIT PRIOR TO PURCHASE
  - PROVIDE TOTALIZE EZFLEX FILTER CABINET AND MATCHING EZFLEX KIT, MODEL EZF2020UPF-WF, RETURN AIR BASE.
  - PROVIDE TOTALIZE UV LIGHT, MODEL P103-LVLT1L, MOUNTED IN RETURN PLENUM

DX SPLIT SYSTEM HEAT PUMP SCHEDULE													
TAG	BASIS OF DESIGN	AREA SERVED	NOM TON	SUPPLY AIR CFM	E.S.P. (IWG)	COOLING CAP. (MBH)	COOLING EFFIC. (SEER)	HEATING CAP 17*(MBH)	HEATING CAP 47*(MBH)	HEATING EFFIC. (HSPF)	POWER	OP. WEIGHT (LBS)	NOTES
HP / WFC-1	CARRIER 38MARB-24 / 40MAHBQ24	IT CLOSET	2.0	425	0.125	16.9 / 24.0	(21.5)	18.6	24.0	(3.1)	SEE DIV. 16	218 / 172	1-7

- NOTES:
- SEE MECHANICAL SPECIFICATIONS & DETAILS FOR ADDITIONAL REQUIREMENTS
  - WALL MOUNTED DIGITAL PROGRAMMABLE TYPE THERMOSTAT
  - OUTDOOR CONDENSING UNIT w/ COIL GUARD PROTECTION
  - OUTDOOR CONDENSING UNIT w/ CRANK CASE HEATER
  - UNITS INDICATED ARE BASIS OF DESIGN; OTHER APPROVED VENDORS ARE MITSUBISHI AND DAIKIN
  - INDOOR FAN COIL SERVED BY LINE VOLTAGE WIRING FROM OUTDOOR UNIT; VERIFY EXACT WIRE SIZE, LENGTH, DISCONNECT PER NEC.
  - UL APPROVED DISCONNECT TO BE PROVIDED TO ELECTRICAL CONTRACTOR FOR INDOOR & OUTDOOR UNITS

EXHAUST FAN SCHEDULE													
TAG	BASIS OF DESIGN	TYPE	SERVES	CFM	E.S.P.	SONES	OPER. HP(W)	MOTOR HP(W)	POWER	CONTROL	WEIGHT (LBS)	NOTES	
WEF-1	GREENHECK SBE-1H30	WALL	APPARATUS	5,400	0.16	12.9	0.34	1/2	SEE DIV. 16	CO & NO2 SENSOR	90	1,5,7,8,9,10	
EF-2	GREENHECK CSP-A200	INLINE	TURN-OUT	125	0.25	1.0	0.03	(53)	SEE DIV. 16	VOC SENSOR / SWITCH	25	1,2,3,4,5,6,11,12	
EF-3, EF-4, EF-6	GREENHECK SP-B110	CEILING	BATH	70	0.25	1.0	0.02	(80)	SEE DIV. 16	INTERLOCKED w/ LIGHTS	15	1,2,3,4,5	
EF-5	GREENHECK SP-B110	CEILING	LAUNDRY	70	0.25	1.0	0.02	(80)	SEE DIV. 16	VOC SENSOR / SWITCH	25	1,2,3,4,5,6,12	
EF-7	GREENHECK SP-A200	CEILING	LOCKERS	125	0.25	1.0	0.03	(53)	SEE DIV. 16	WALL SWITCH	25	1,2,3,4,5,6	
CF-2,3,4	QUORUM GUSTO 32323-65		BUNK						SEE DIV. 16	3-SPEED WALL SWITCH		13	
CF-1	FANIMATION FPD6236-BN		DAYROOM						SEE DIV. 16	3-SPEED WALL SWITCH		13	

- NOTES:
- OUTSIDE HARDWARE FOR EXHAUST FANS SHOULD BE CONSTRUCTED SO AS TO BE WEATHERTIGHT.
  - SPEED CONTROLLER ABOVE ACCESSIBLE CEILING
  - BACKDRAFT DAMPER
  - VIBRATION ISOLATORS
  - ELECTRICAL DISCONNECT OR BREAKER AS REQUIRED BY VENDOR & NEC
  - PROVIDE WALL SWITCH ADJACENT TO LIGHT SWITCH
  - OSHA MOTOR GUARD
  - PROVIDE w/ WALL LOUVER AND INTEGRAL BACKDRAFT DAMPER
  - EXT. WEATHER HOOD, BRONZE COLOR, OR AS DIRECTED BY ARCHITECT. DO NOT LEAVE MILL FINISH.
  - FAN INTERLOCKED w/ GAS MONITOR. FAN SHALL ACTIVATE UPON DETECTION OF CARBON MONOXIDE OR NITROGEN OXIDE(S)
  - PROVIDE w/ CEILING MOUNTING KIT AND BAFFLE DIVERTER FOR CEILING MOUNTING APPLICATION
  - PROVIDE w/ WALL MOUNTED VOC SENSOR; COORD w/ ELECTRICAL FOR RELAY REQUIRED FOR ON / OFF FAN CONTROL. WALL SWITCH SHALL OVERRIDE TO TURN ON.
  - PROVIDE STEEL PLATE OPTION IN LIEU OF LIGHT KIT

AIR DISTRIBUTION EQUIPMENT SCHEDULE			
TAG	DESCRIPTION	NOTES	
A	STEEL SQUARE CONE DIFFUSER, FIXED AIR PATTERN, 4-WAY THROW, ROUND NECK, SIZED AS SHOWN, WHITE, LAY-IN FRAME, PRICE SCD.	1,2,3	
B	STEEL DOUBLE DEFLECTION SUPPLY GRILLE, ADJUSTABLE PATTERN, 3/4" SPACING BETWEEN BLADES, SIZE AS SHOWN, FRONT BLADES PARALLEL TO SHORT DIMENSION, O.B. DAMPER WHEN DUCT MOUNTED, PRICE \$20.	1,2,3	
C	HEAVY DUTY GYM RETURN GRILLE, 14 GAUGE STEEL, 0" DEFLECTION FIXED LOUVER, 3/4" BLADE SPACING, SIZE AS SHOWN, BLADES PARALLEL TO LONG DIMENSION, PRICE 95.	2	
D	1/2"x1/2"x12" ALUMINUM EGG GRATE RETURN GRILLE, LAY-IN FRAME, 24X12 OR 12X12 SIZE, PLENUM TYPE OR ROUND DUCT CONN. NECK AS SHOWN, PRICE 80.	1,4	

- NOTES:
- VERIFY MOUNTING TYPE WITH ARCHITECTURAL RCP
  - SUPPLY DIFFUSERS AND GRILLES SHALL NOT COME SUPPLIED WITH VOLUME DAMPERS UNLESS NOTED OTHERWISE.
  - MANUAL VOLUME DAMPERS SHALL BE INSTALLED AT BRANCH TAKE-OFFS NEAR TRUNK (SEE DETAIL SHEET).
  - BACK INSULATION SHALL BE INCLUDED ON ALL SUPPLY DIFFUSERS AND GRILLES.
  - PROVIDE FULL SIZE LINED PLENUM, INTERIOR PAINTED FLAT BLACK.

GAS FIRED INFRARED HEATER SCHEDULE										
TAG	BASIS OF DESIGN	LENGTH (FT.)	GAS TYPE	NAT'L GAS INPUT (MBH)	SUPPLY GAS PRESSURE (IWG)	IGNITION TYPE	BASE UNIT WT. (LBS)	POWER	APPLICATION	NOTES
IRH-1,2,3	SPACE-RAY PTS 40	10	NATURAL	40.0	5-14	DIRECT SPARK	101	SEE DIV. 16	APPARATUS BAY HEATING	1,2,3,4

- NOTES:
- SINGLE-STAGE GAS VALVE.
  - 4" FLUE CONNECTION, 4" COMBUSTION AIR CONNECTION.
  - ALUMINUM REFLECTORS.
  - LOW VOLTAGE THERMOSTAT.

WALL LOUVER SCHEDULE								
TAG	BASIS OF DESIGN	CFM	WIDTH	HEIGHT	FREE AREA (SQFT)	COLOR	APP.	NOTES
WL-1, WL-2	RUSKIN ELC-6375DAX	2,675	40	48	5.53	ARCH	INTAKE	1,2,3,4
WL-3	RUSKIN ELF-445DX	125	12	12	0.33	ARCH	EXHAUST	1,2,3,4

- NOTES:
- BACKDRAFT DAMPER
  - INSECT SCREEN
  - PROVIDE FULL-SIZE LINED PLENUM
  - COORDINATE w/ ARCHITECT FOR COLOR PREFERENCE

PROJECT NUMBER  
**23-017**

DATE  
**03/13/24**

REVISIONS

NO.	DATE
0000	00/00/00

FACILITY CODE  
**000-0000**



855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
 2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
 CHEROKEE COUNTY BOARD OF COMMISSIONERS



SHEET NAME

HVAC SCHEDULES,  
LEGEND & NOTES

SHEET INDEX

**M0.1**

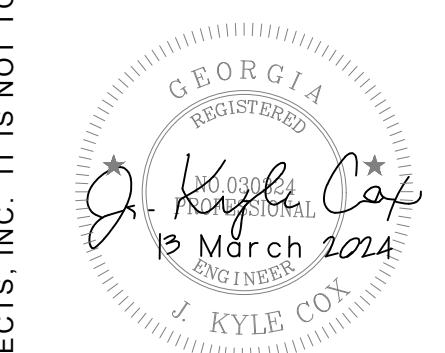
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REVISIONS	
NO.	DATE
0000	00/00/00



ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS



SHEET NAME

HVAC SCHEDULES & DETAILS

SHEET INDEX

M0.2

DOAS/RTU FAN SCHEDULE - JOB#6586229

FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	MANUFACTURER	ELECTRICAL INFORMATION										COOLING INFORMATION						REHEAT INFORMATION				GAS HEAT INFORMATION				NOTES						
					BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLT	MCA	MOCP	OUTSIDE AIR DB	WB	LEAVING AIR DB	WB	DP	TOTAL	SENS.	IEER	ISMRE	DISCHARGE DB	WB	CAPACITY DESIRED	MAX		MOISTURE REMOVAL RATE	GAS TYPE	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE
1	DOAS-1	1	CASRTU-I.100-13-6T	CAPTIVEAIRE	13P-1	0	1000	1000	1304	1.000	1.00	3	208	30.7A	35A	89.8°F	78.1°F	54.5°F	54.5°F	54.6°F	83.7 MBH	38.4 MBH	19.5	9.2	70.0°F	60.4°F	16.8 MBH	56 MBH	38.6 LBS/HR	NATURAL	99674	80736	70°F	1 LB. - 5 LB.	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15

NOTES:

- INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL OR STAGED SCROLL NOT AN APPROVED EQUAL
- DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE
- INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER
- REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE
- EC MOTOR CONDENSING FANS
- ELECTRONIC EXPANSION VALVE. TXV NOT ACCEPTABLE
- SUCTION LINE ACCUMULATOR
- FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY, 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER
- AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT)
- 81% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 6:1 TURNDOWN WITH NG AND 5:1 TURNDOWN WITH LP
- SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE
- FULLY MODULATING HOT GAS REHEAT
- HAIL GUARD FOR CONDENSING COIL
- 1" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-4.3 INSULATION-MINIMUM 24GA EXTERIOR W/ 18GA BASE
- SIDE DISCHARGE/NO RETURN

FOR QUESTIONS, CALL THE  
Atlanta Mechanical  
REGION 122  
PHONE: (470) 419 - 4768  
EMAIL: reg122@captivaire.com

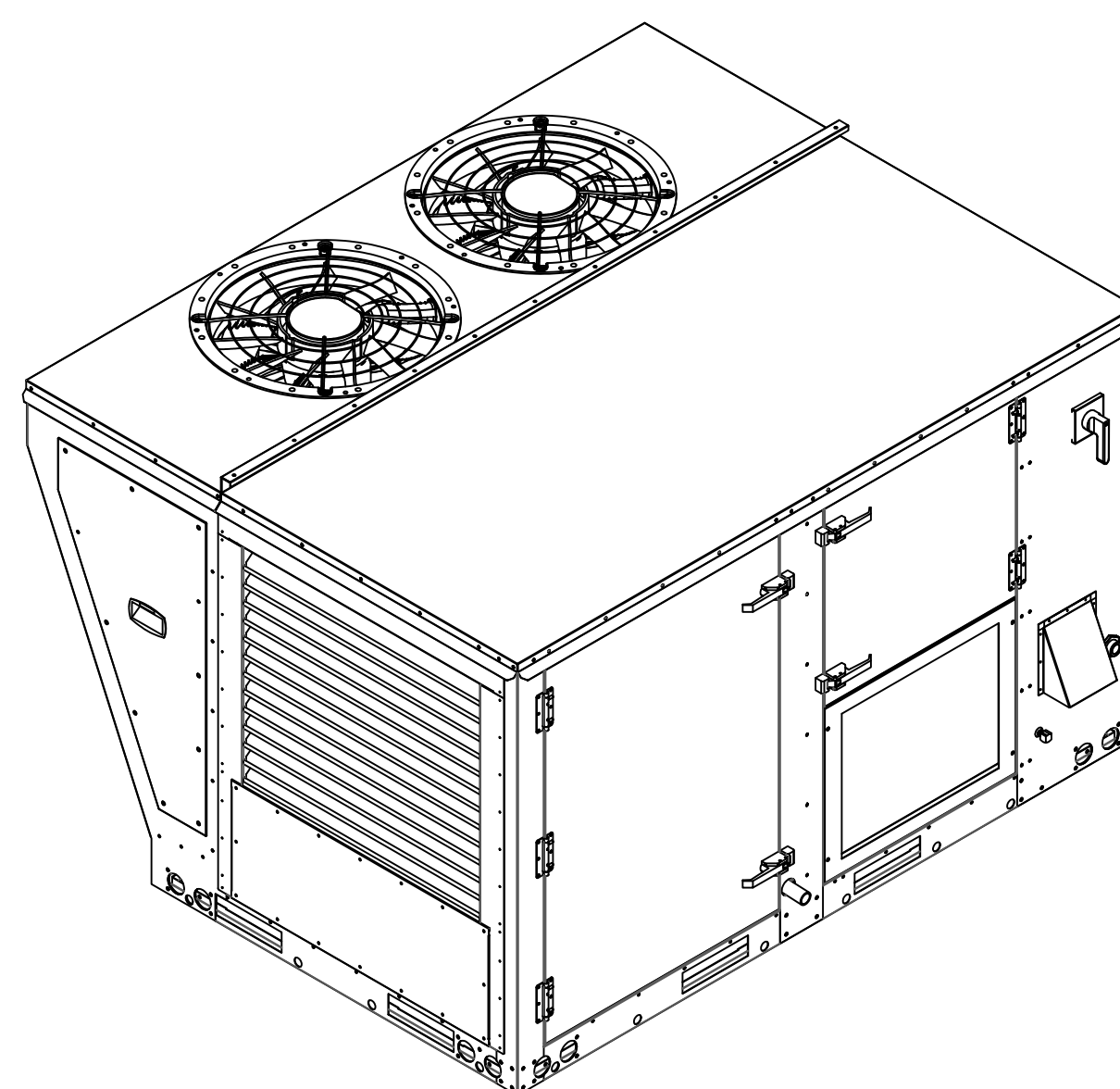
FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	DOAS-1	1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE
		1	RTU TOTAL CFM MONITORING
		1	INTAKE FIRESTAT SET TO 135°F
		1	FREEZE STAT
		1	DISCHARGE FIRESTAT SET TO 240°F
		1	SHIP LOOSE GAS STRAINER 3/4"
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	2" MERV 13 FILTERS FOR RTU1 (QTY. 4)
		1	2" MERV 8 FILTERS FOR RTU1 (QTY. 4)
		1	OVERHEAT STAT
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	6 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR. ECM CONDENSING FANS
		1	6 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL
		1	RTU FIXED 100% OA INTAKE CONTROL
		1	RTU1 NO RETURN - 100% OA
		1	RTU1 SIDE DISCHARGE
		1	1/2", 10 PSI HIGH GAS PRESSURE REGULATOR
		1	COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK - ALARM SUPPLIED BY OTHERS
		1	OCCUPIED SCHEDULING
		1	CLOGGED FILTER SWITCH - NOTIFICATION ON HMI
		1	RTU1 CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J BOX
		1	RTU1 HAIL GUARD
		1	VAV PACKAGE W/ MANUAL/DDC CONTROL (571 VFD INCLUDED)
1	SPRING ISOLATORS FLOOR MOUNT (SET OF 4) - RTU1		
1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)		

FAN #1 CASRTU-I.100-13-6T - HEATER (DOAS-1)

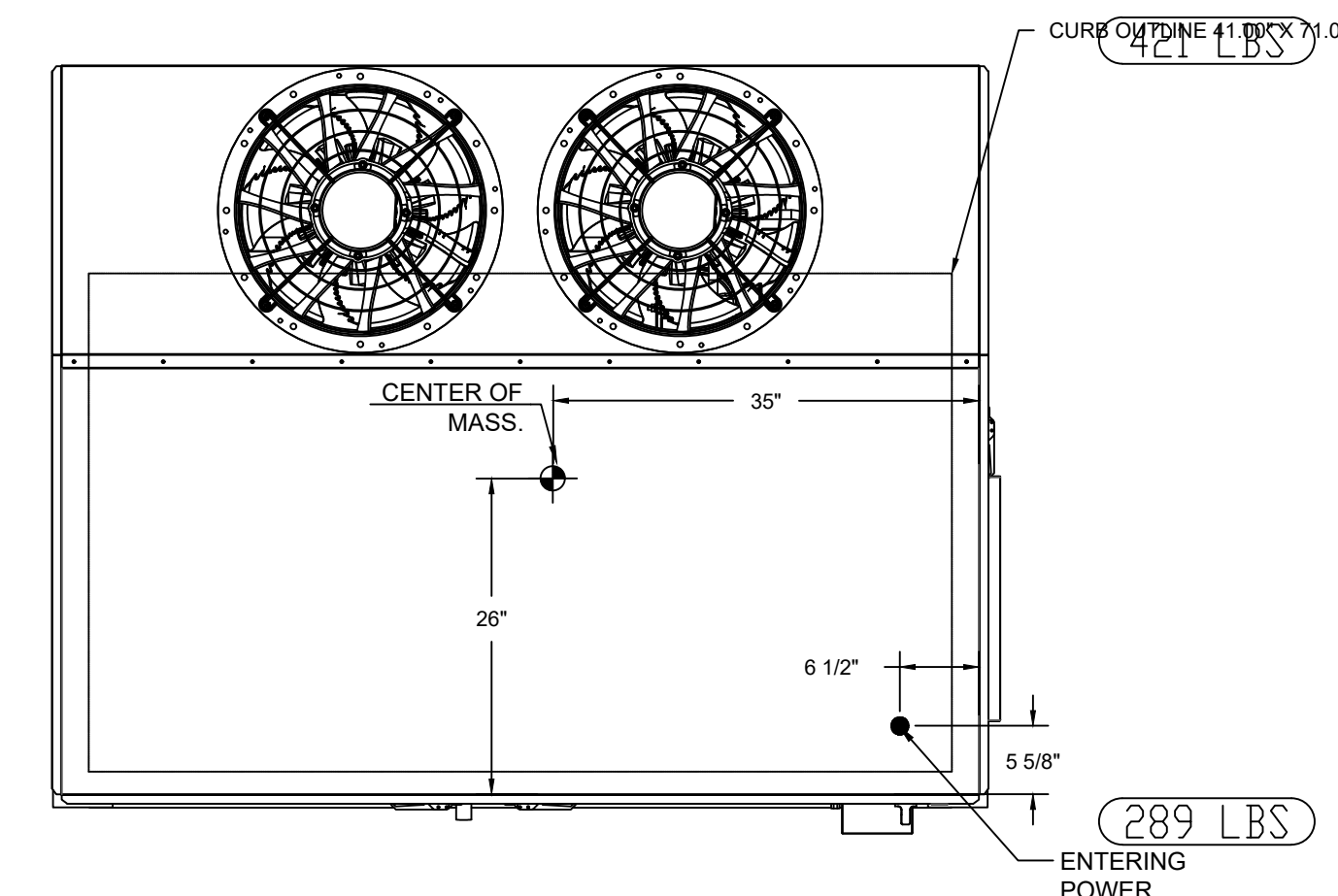
- NOTES:
- DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
  - DENOTES CORNER WEIGHT.
  - CONNECTION FROM BREAKER TO UNITS SAFETY DISCONNECT SWITCH TO BE COPPER WIRE ONLY.

\*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.

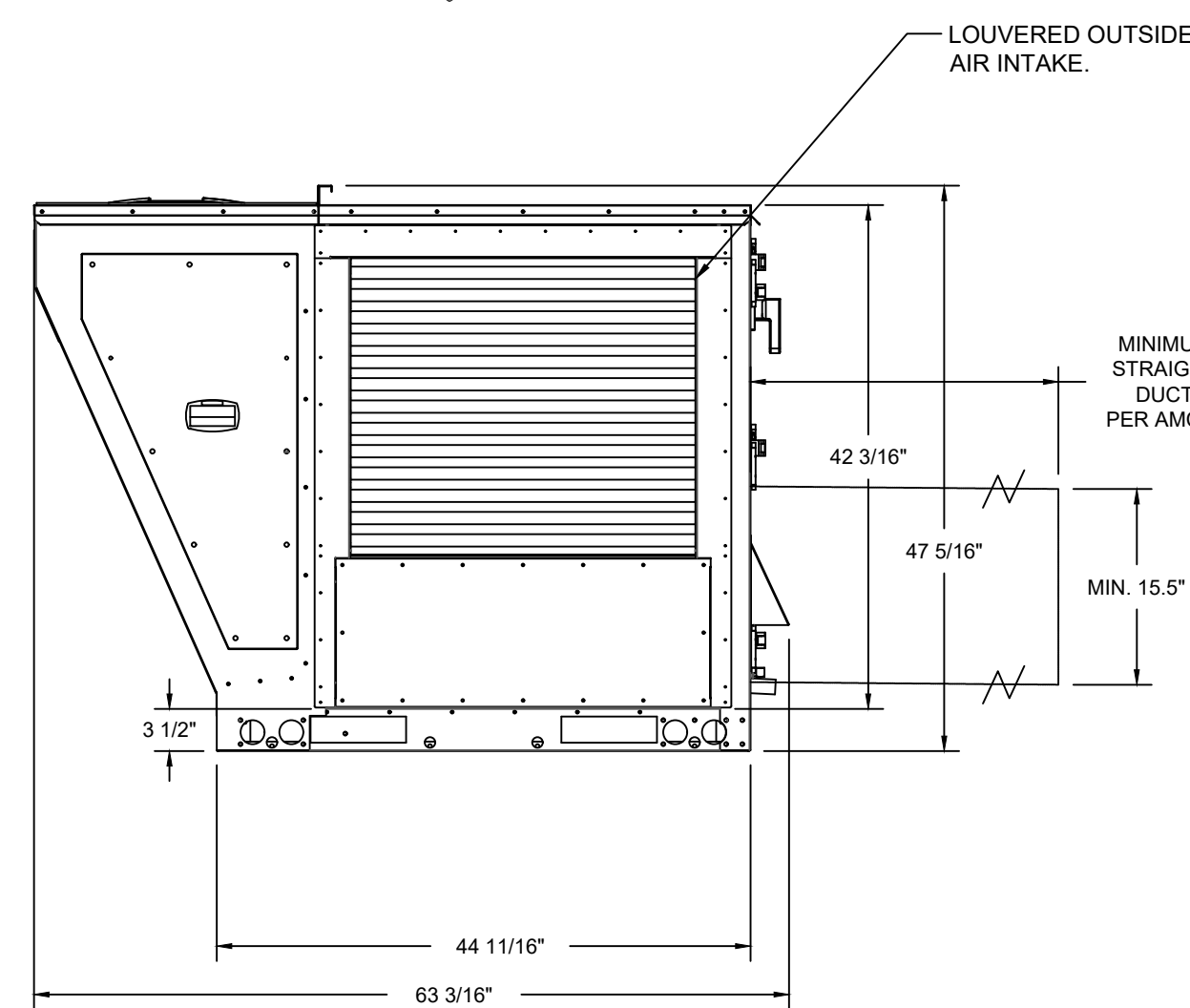


352 LBS

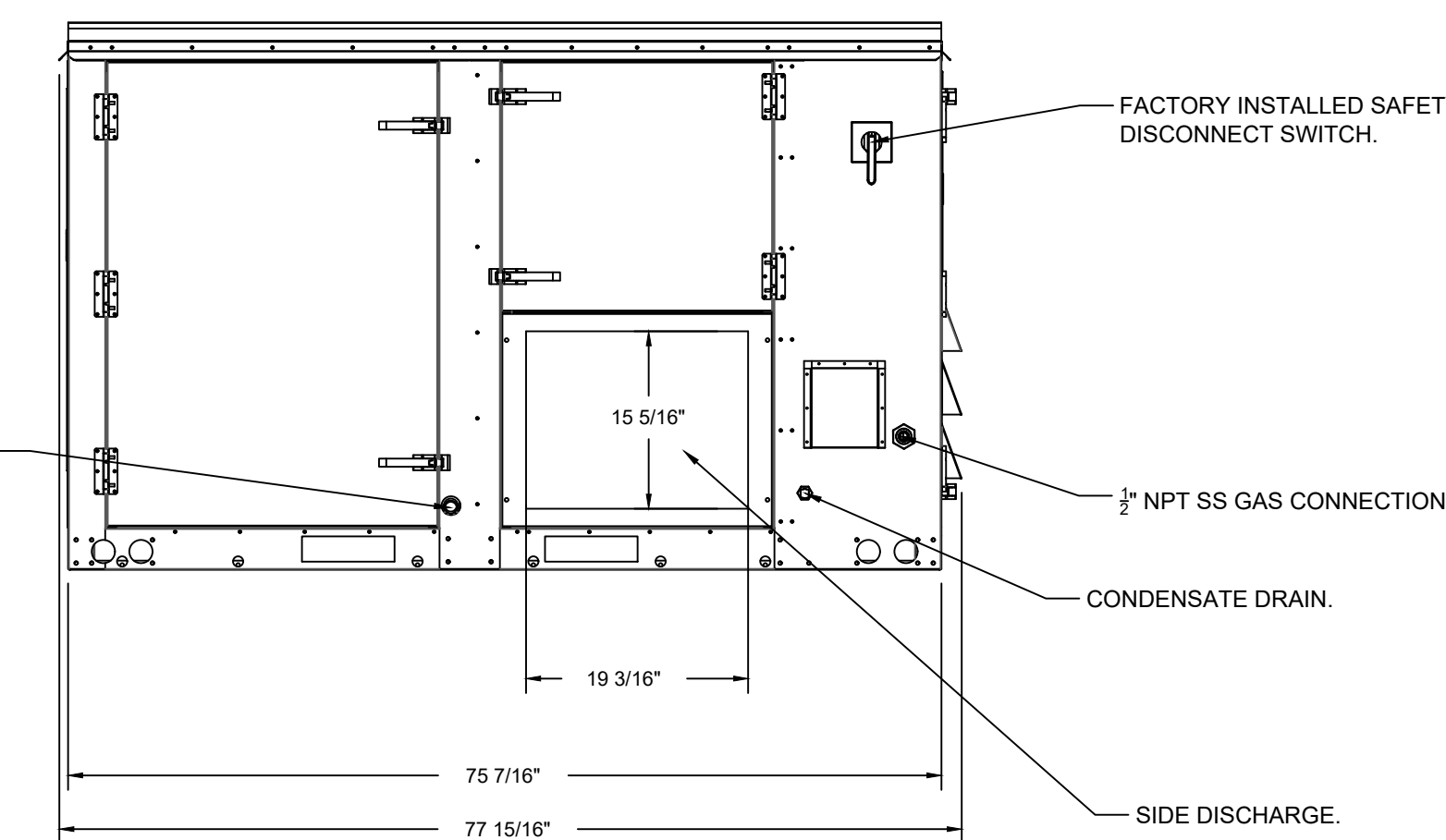
242 LBS



289 LBS



1" NPT SS EVAPORATOR DRAIN (TRAP REQ'D).  
4" MINIMUM TRAP DEPTH.

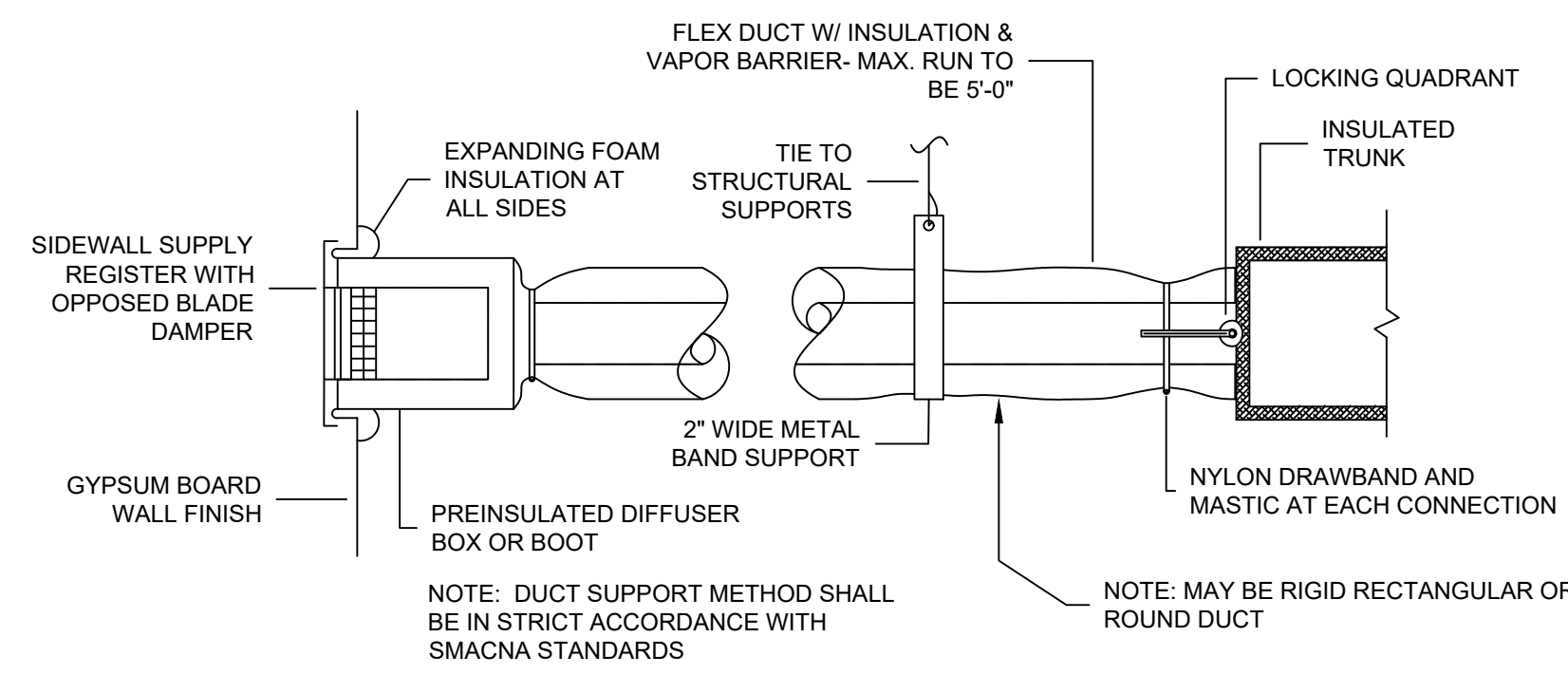


DEDICATED OUTSIDE AIR SYSTEM DETAIL  
NOT TO SCALE

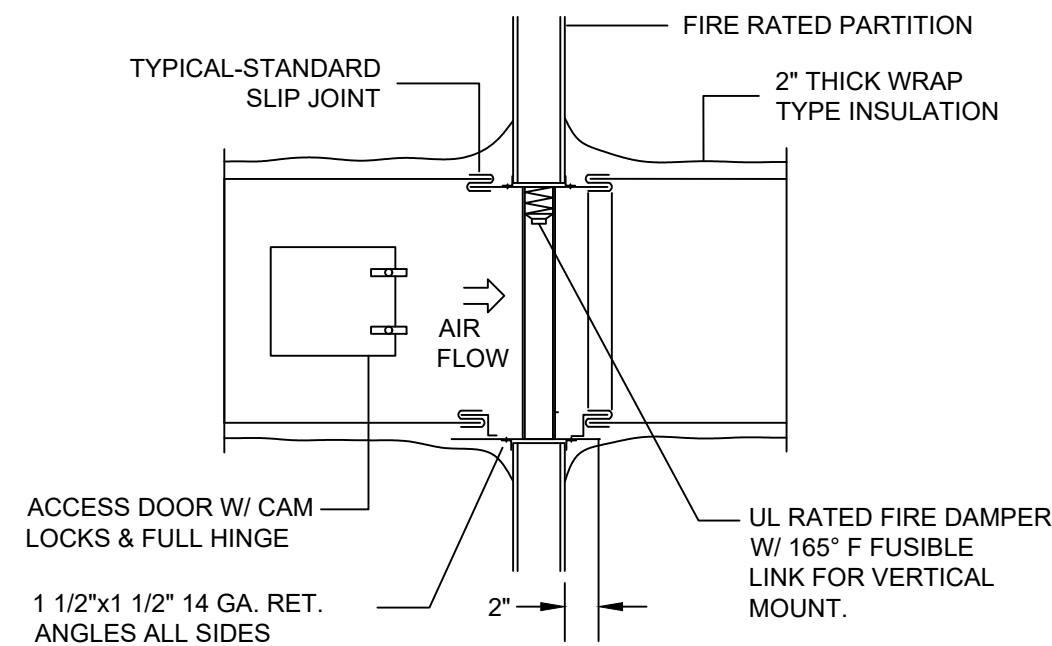
VENTILATION AIR SUMMARY						
ZONE	DESIGN SQFT	CFM PER SQFT	DESIGN OCC	CFM PER OCC	OA EFF.	MIN OA CFM
119 - APPARATUS BAY	1746	0.06	-	-	0.80	131
121 - GEAR	126	0.12	-	-	0.80	19
120 - EMS	100	0.12	-	-	0.80	15
118 - CORRIDOR	140	0.06	-	-	0.80	11
117 - EXERCISE RM	256	0.06	3	20	0.80	94
116 - BUNK	70	0.06	1	5	0.80	12
115 - BUNK	70	0.06	1	5	0.80	12
114 - BUNK	70	0.06	1	5	0.80	12
112 - BATH	80	0.12	-	-	0.80	12
111 - BATH	80	0.12	-	-	0.80	12
110 - LINEN	73	0.12	-	-	0.80	11
109 - LOCKERS	502	0.06	-	-	0.80	38
108 - DAYROOM	334	0.06	10	5	0.80	88
107 - KITCHEN	458	0.12	9	7.5	0.80	153
106 - DATA	86	0.12	-	-	0.80	13
105 - LAUNDRY	86	0.12	1	5	0.80	19
104 - CORRIDOR	85	0.06	-	-	0.80	6
103 - TOILET	53	0.12	-	-	0.80	8
102 - OFFICE	96	0.06	1	5	0.80	13
101 - OFFICE	90	0.06	1	5	0.80	13
100 - VESTIBULE	64	0.06	-	-	0.80	5
						564

FOR CONSTRUCTION

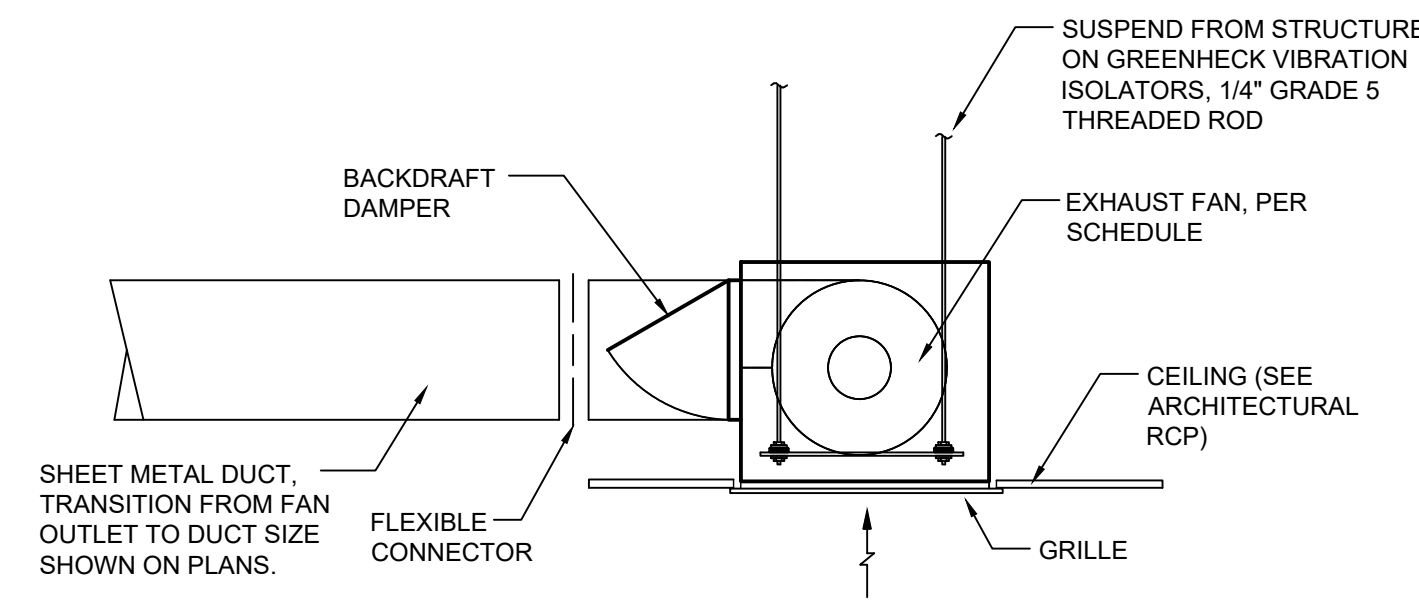
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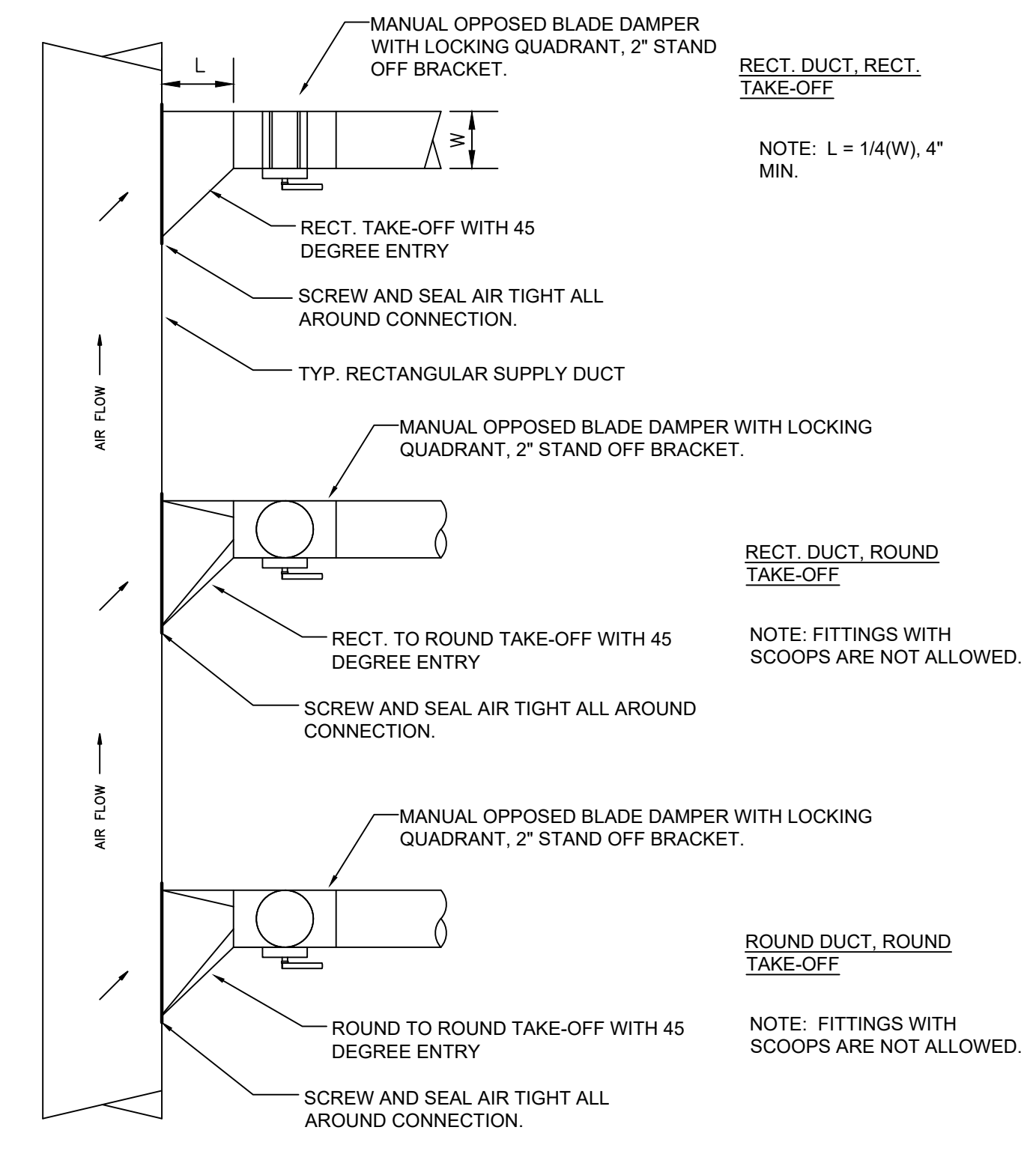
**SIDEWALL REGISTER DETAIL**  
NOT TO SCALE



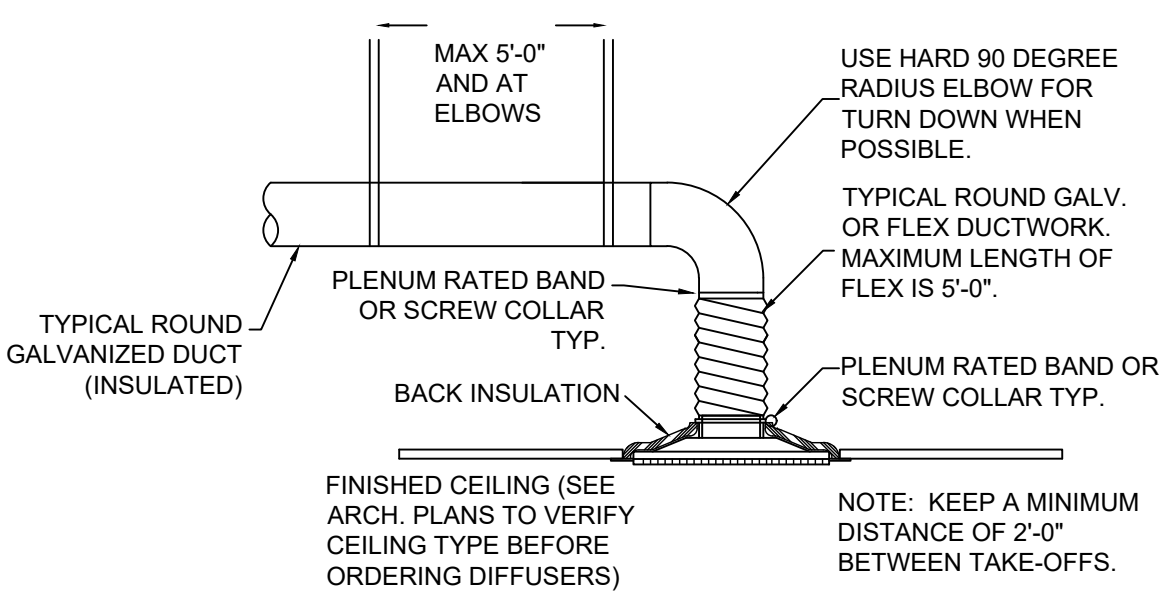
**VERTICAL FIRE DAMPER**  
NOT TO SCALE



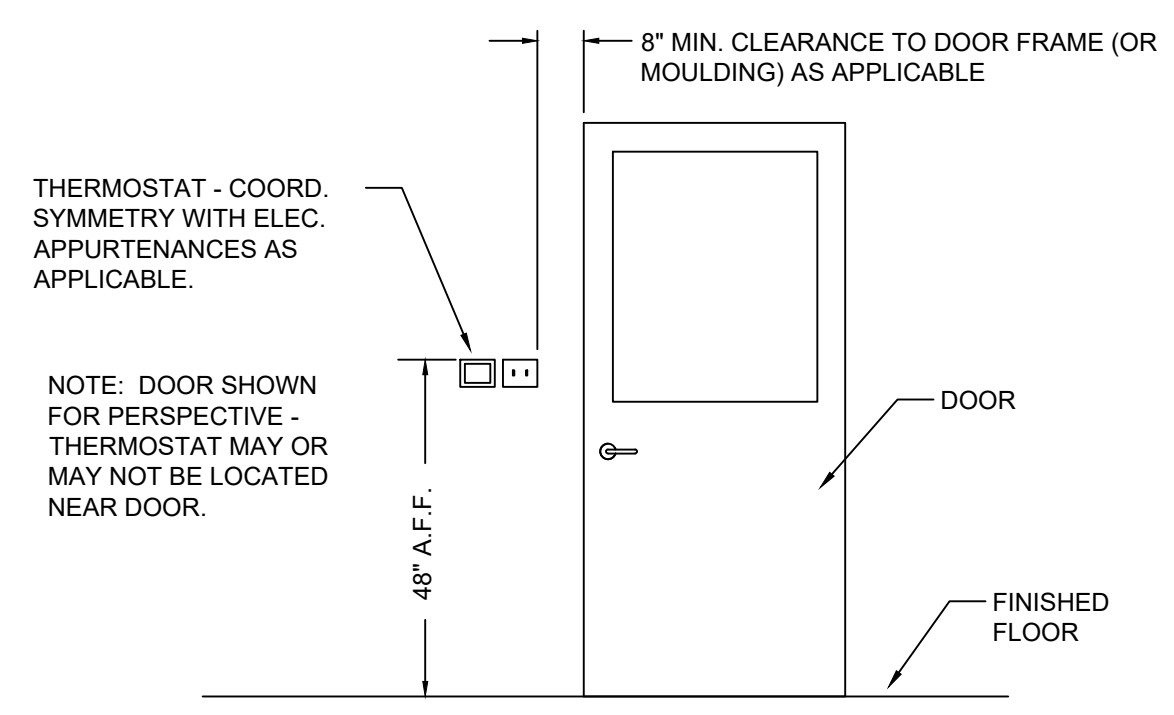
**CEILING MOUNT EXHAUST FAN DETAIL**  
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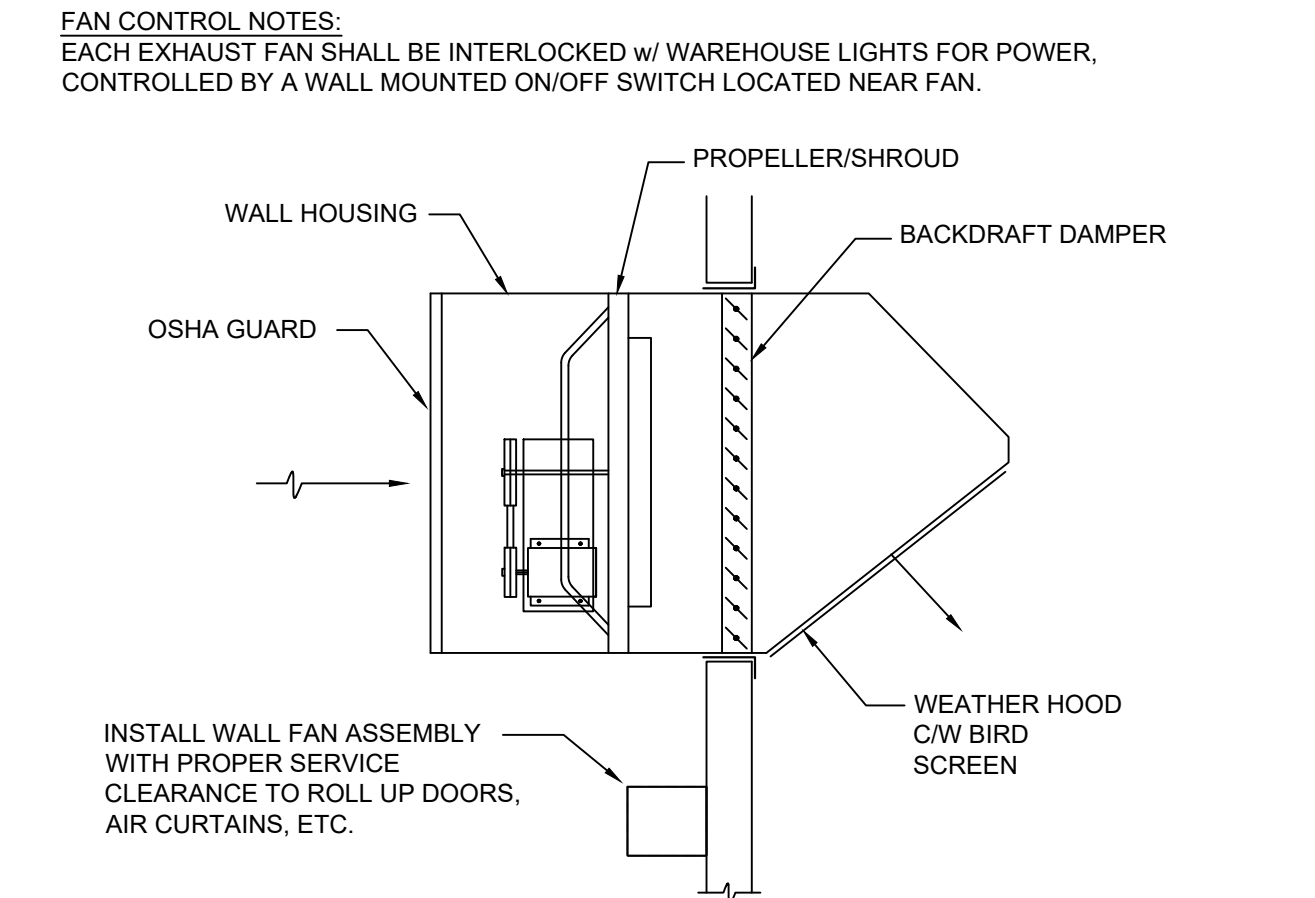
**BRANCH DUCT TAKE-OFF DETAILS**  
NOT TO SCALE



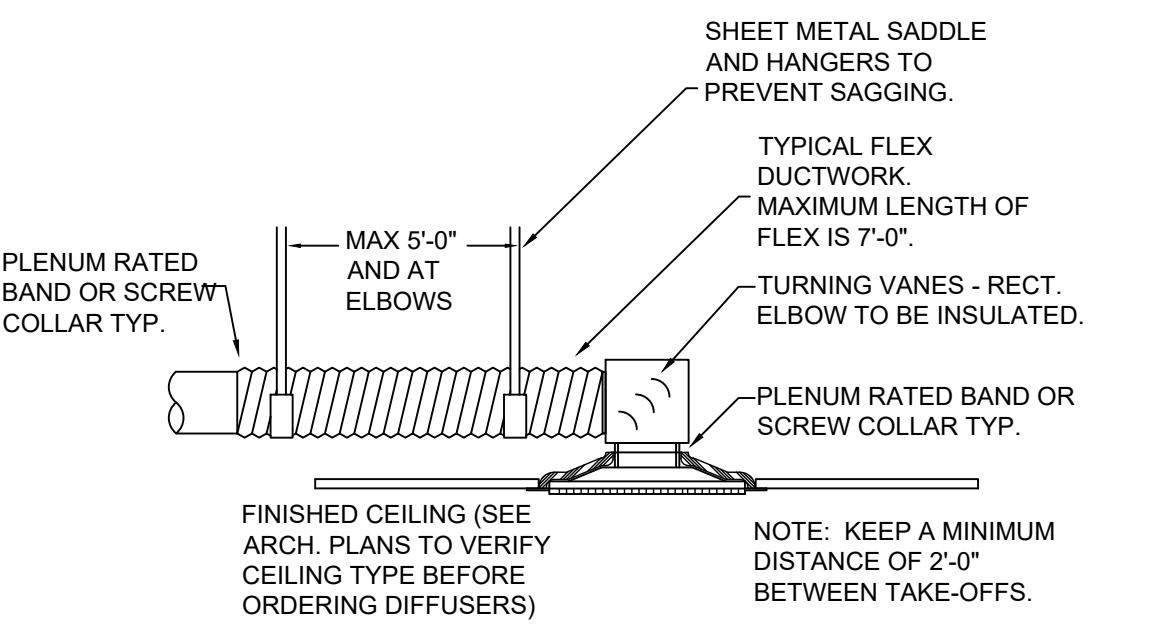
**BRANCH RUN-OUT DETAIL**  
NOT TO SCALE



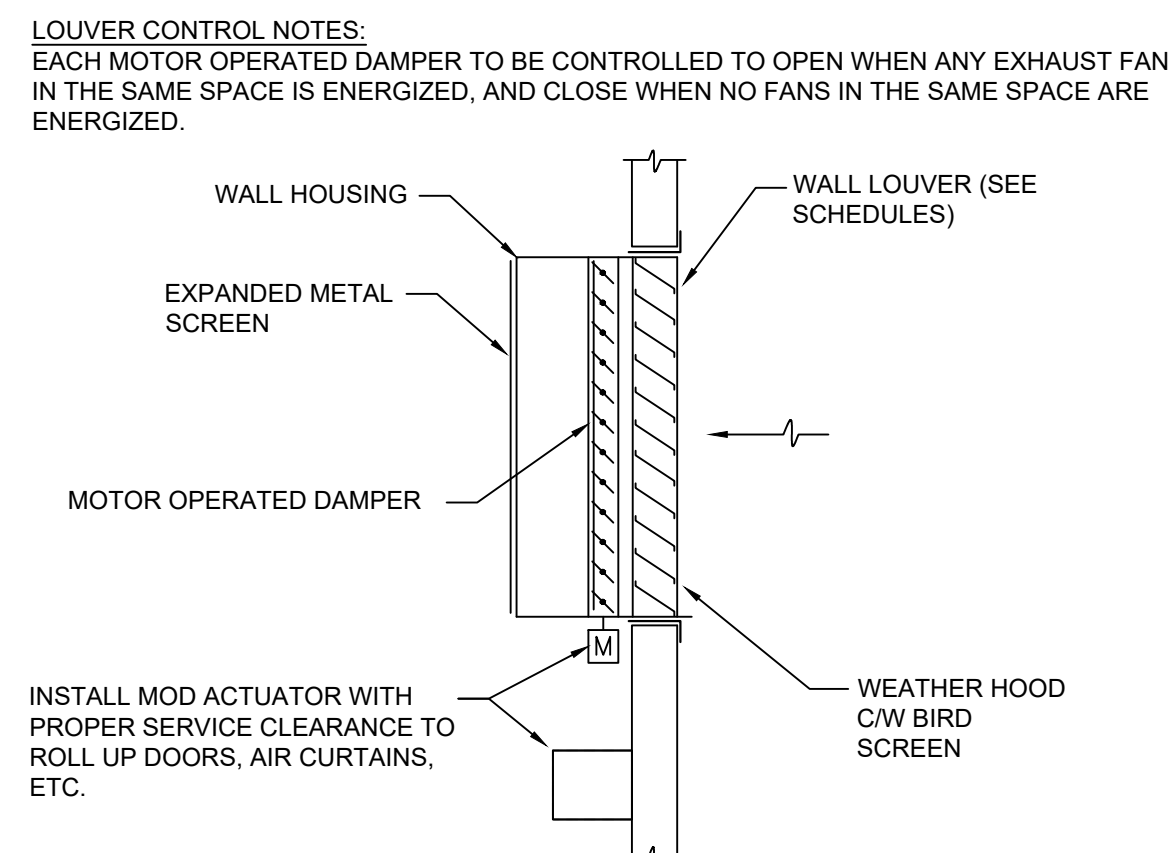
**TYP. THERMOSTAT OR WALL SENSOR INSTALLATION DETAIL**  
NOT TO SCALE



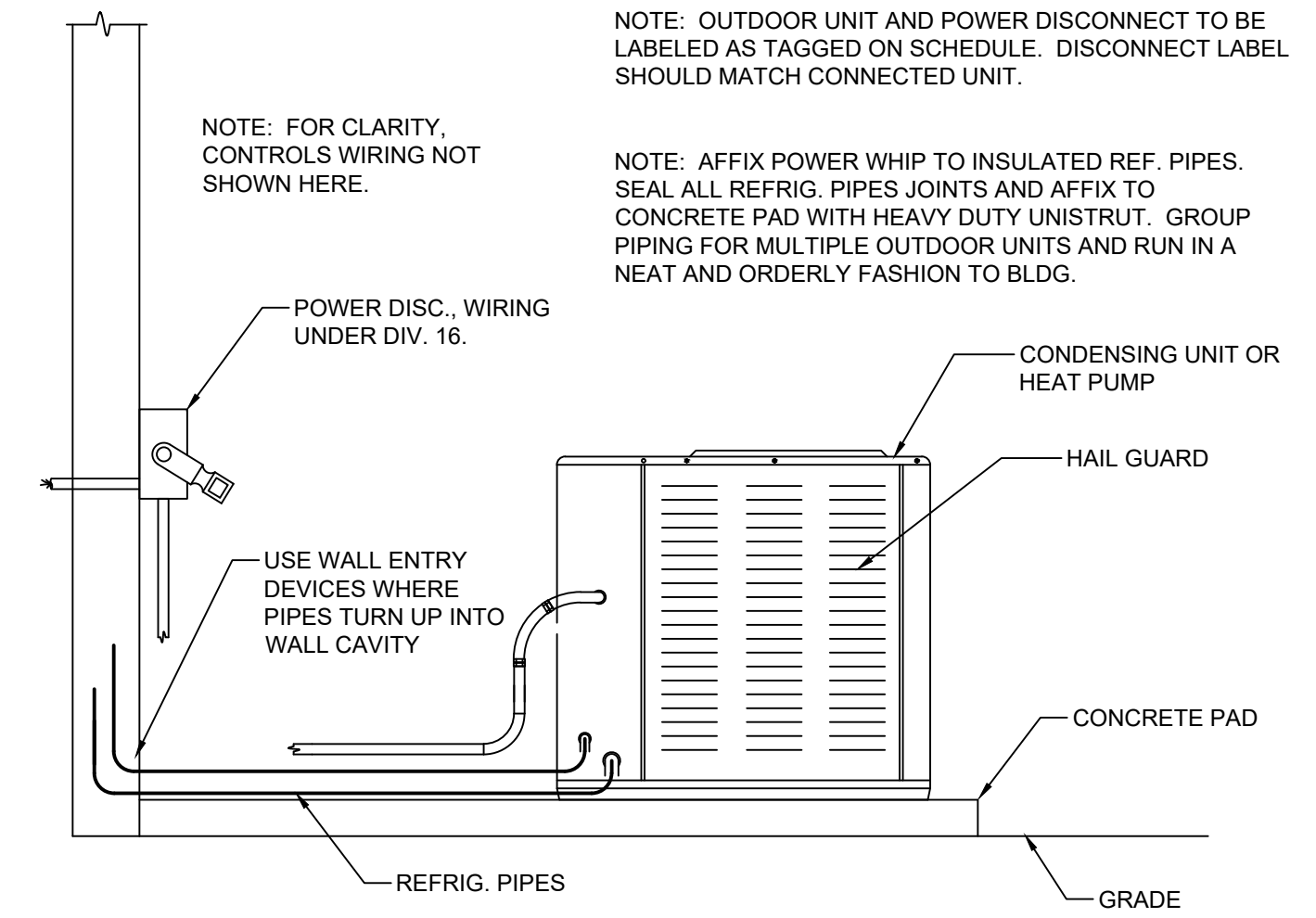
**WALL MOUNT PROPELLER EXHAUST FAN DETAIL**  
NOT TO SCALE



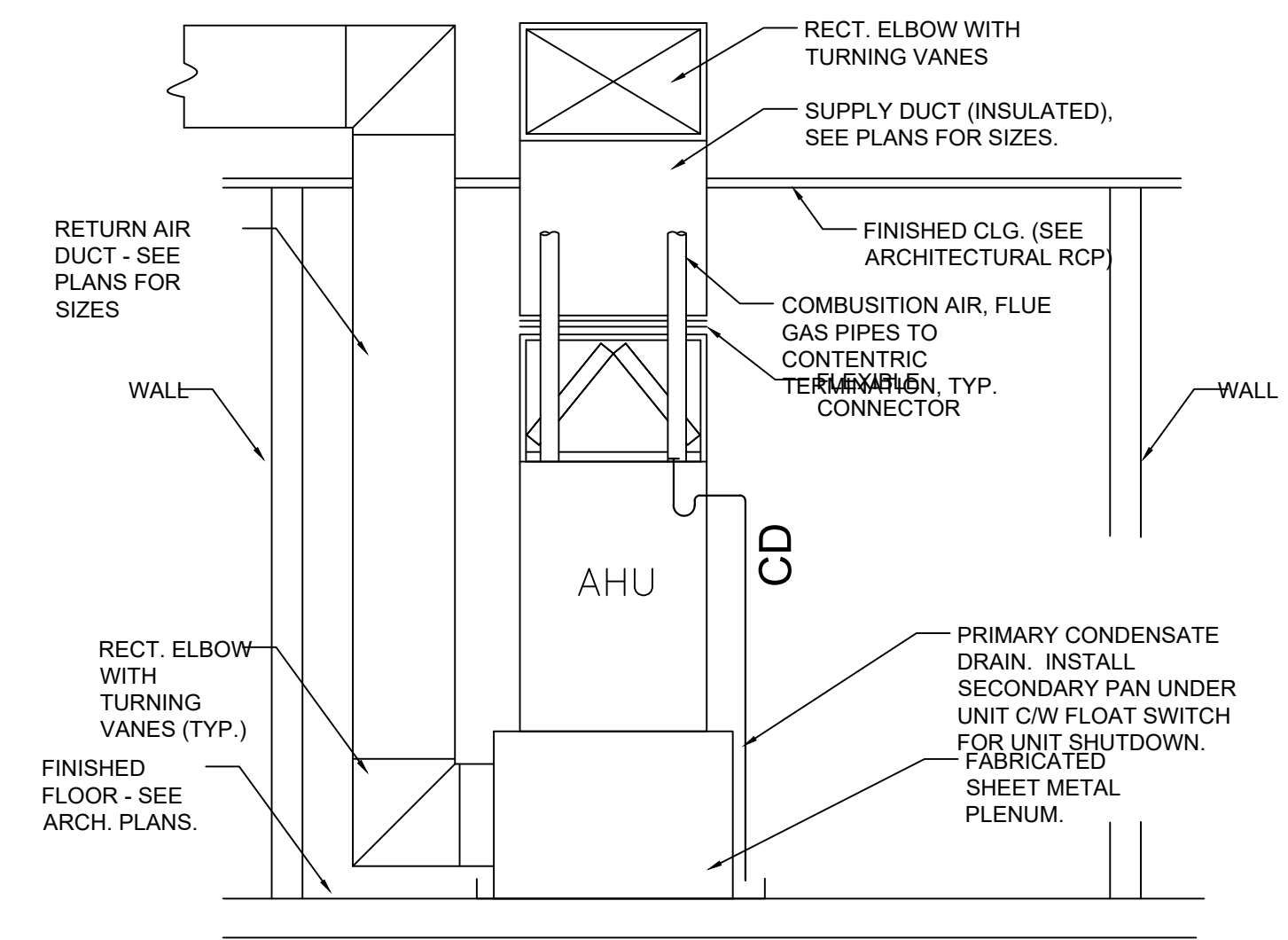
**LOW CLEARANCE BRANCH RUN-OUT DETAIL**  
NOT TO SCALE



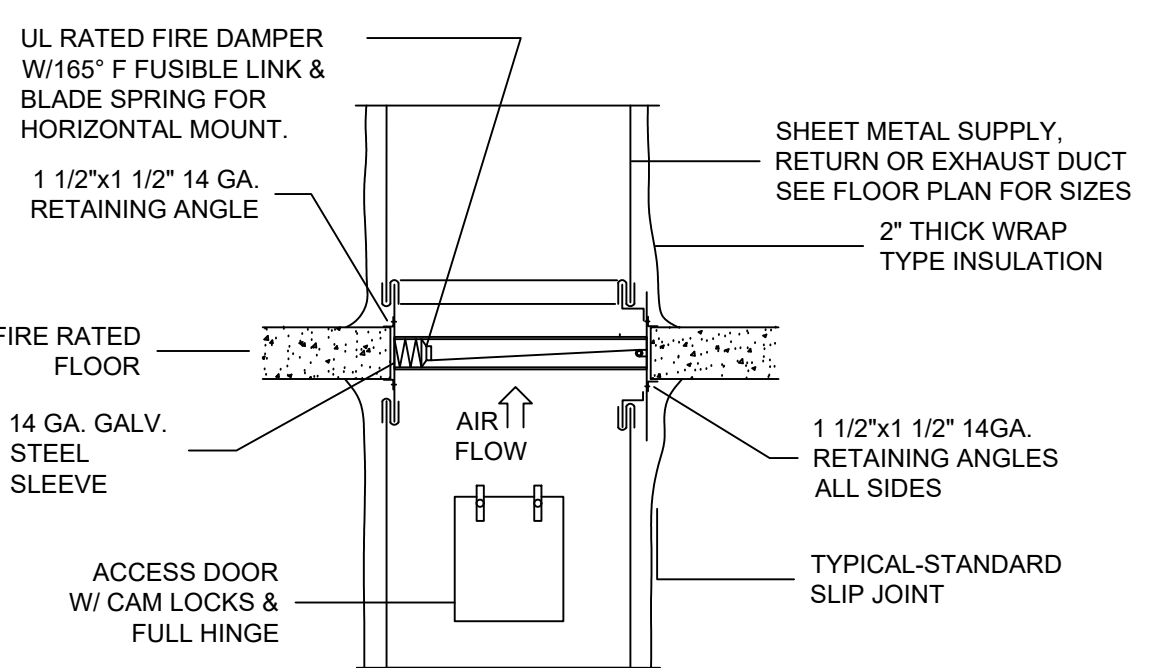
**INDUSTRIAL INTAKE WALL LOUVER DETAIL**  
NOT TO SCALE



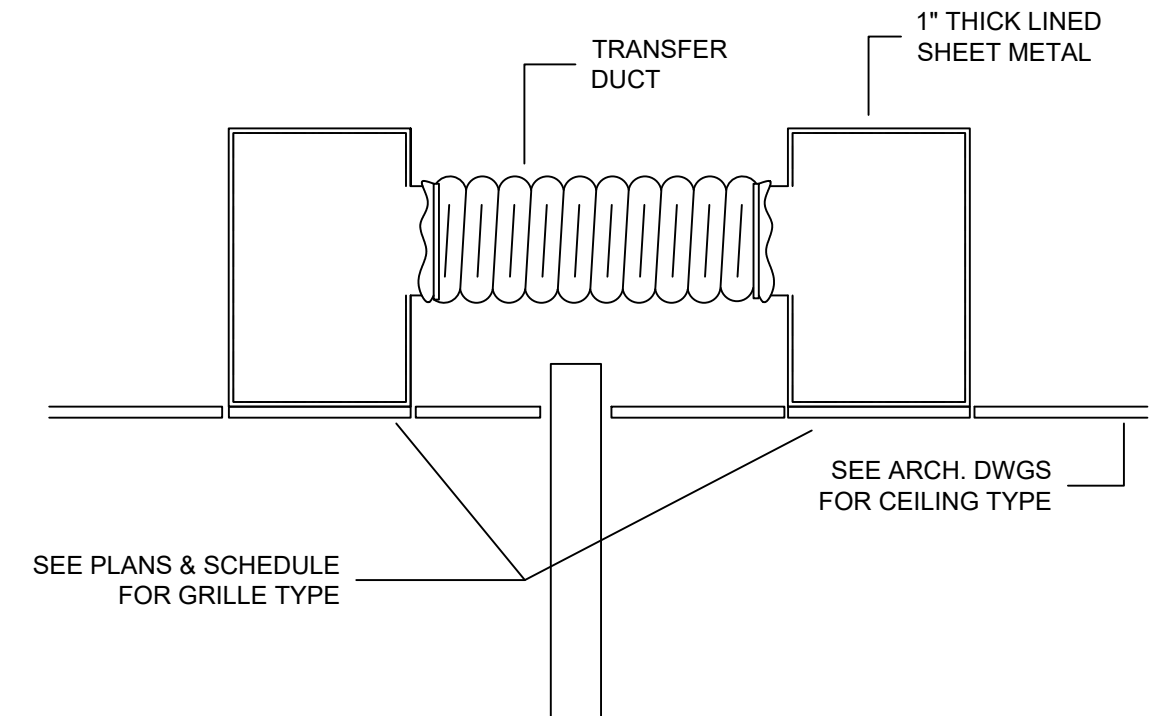
**TYP. PAD MOUNT OUTDOOR CONDENSING UNIT DETAIL**  
NOT TO SCALE



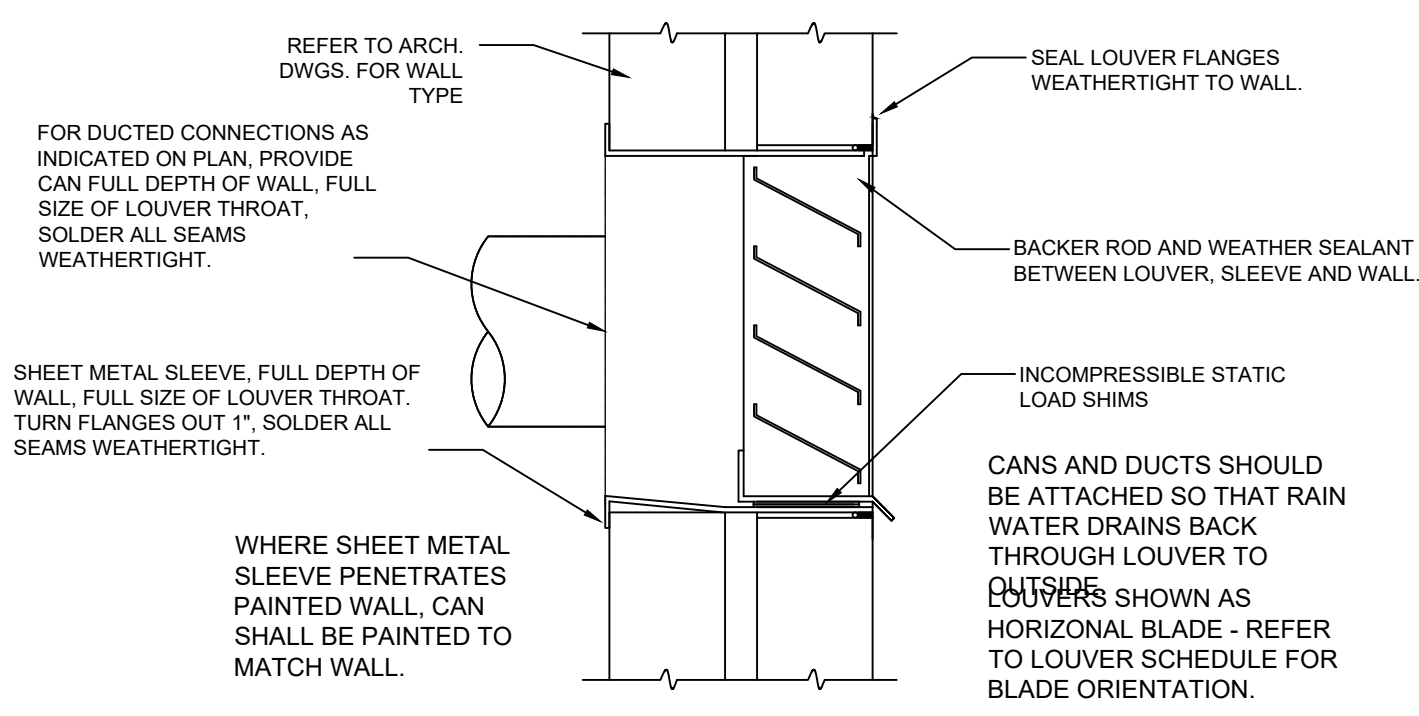
**TYP. SPLIT FURNACE UNIT DETAILS**  
NOT TO SCALE



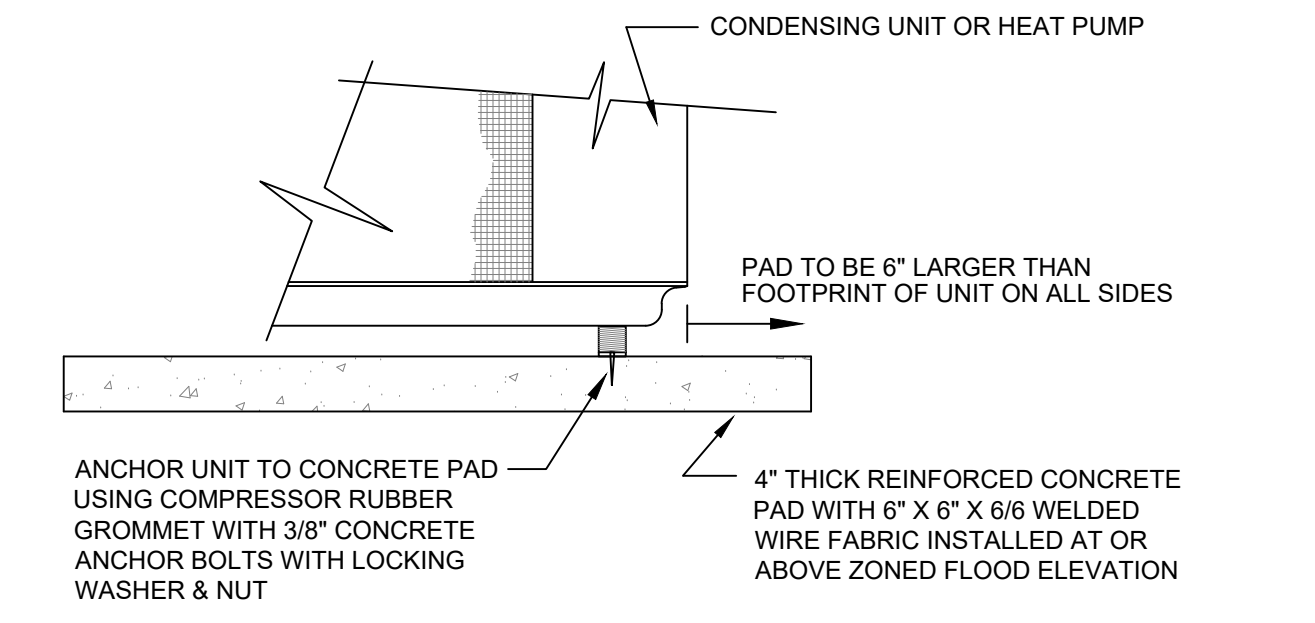
**HORIZONTAL FIRE DAMPER**  
NOT TO SCALE



**TYP. TRANSFER GRILLE**  
NOT TO SCALE



**TYP. WALL LOUVER DETAIL**  
NOT TO SCALE



**OUTDOOR UNIT GROUND MOUNTING DETAIL**  
NOT TO SCALE

PROJECT NUMBER  
**23-017**

DATE  
**03/13/24**

REVISIONS

NO.	DATE
0000	00/00/00

FACILITY CODE  
**000-0000**

**KRH**  
INCORPORATED ARCHITECTS

855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS

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REGISTERED PROFESSIONAL ENGINEER  
J. Kyle Cox  
13 March 2014  
ENGINEER

SHEET NAME  
**HVAC DETAILS**

SHEET INDEX  
**M0.3**

**FOR CONSTRUCTION**

NO.	DATE
0000	00/00/00

FACILITY CODE  
000-0000



855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS



SHEET NAME

HVAC PLANS

SHEET INDEX

M1.1

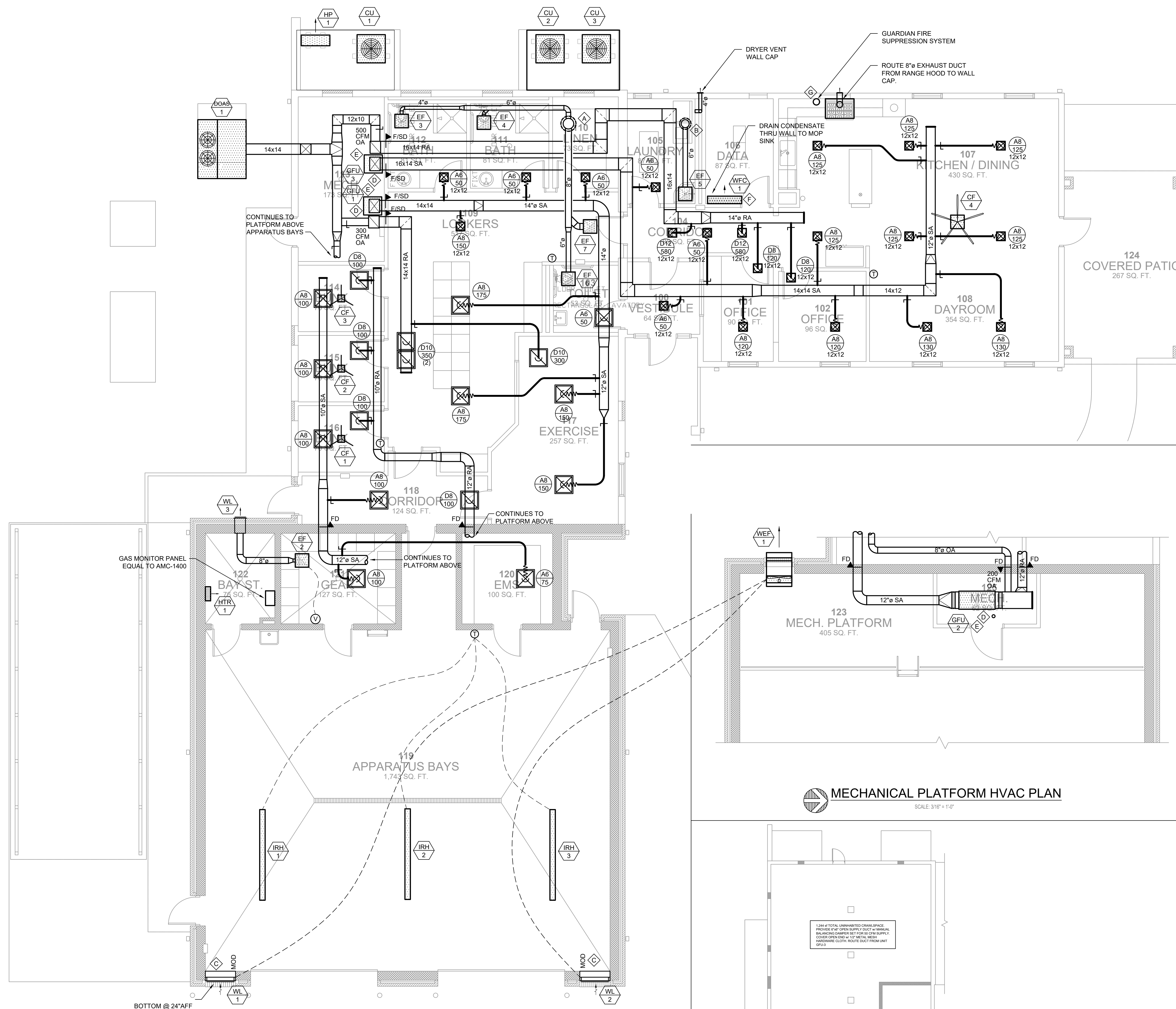
KEY NOTES

- A. 10" EXHAUST DUCT UP TO GRAVITY RELIEF VENT CAP, EQUIVALENT TO GREENHECK GRSR-10. PROVIDE W/ CURB / ACCESSORIES REQUIRED FOR SLOPED ROOF TYPE APPLICATION.
- B. SAME AS KEY NOTE 'A', EXCEPT 6" EXHAUST DUCT TO GRSR-08
- C. TYPICAL INTAKE LOUVER, PER SCHEDULE & DETAIL, W/ MOTORIZED DAMPER, INTERLOCKED W/ WALL EXHAUST. SET TO OPEN WHEN FAN IS ENERGIZED.
- D. ROUTE CONDENSATE TO HUB DRAIN PROVIDED. REFER TO PLUMBING DRAWINGS. PROVIDE WATER-BASED TRAP PRIMER.
- E. TYPICAL GAS-FIRED FURNACE UNIT W/ COMPATIBLE COOLING COILS. INSTALL PER MANUFACTURER'S REQUIREMENTS. TEST FIT ALL DUCTWORK AND EQUIPMENT IN THIS AREA PRIOR TO INSTALLATION. PROVIDE W/ FILTER BOX, UV LIGHT, AND BPI DEVICE. FIELD COORDINATE WHERE REQUIRED TO MEET DESIGN INTENT. SEAL ALL DUCTWORK TO SMACNA STANDARDS.
- F. GRAVITY DRAIN CONDENSATE THRU WALL TO MOP SINK.
- G. PROVIDE GUARDIAN, MODEL 1384-A, RANGETOP FIRE SUPPRESSION LOCATED IN ADJACENT CABINET. INSTALL PER MANUFACTURER'S REQUIREMENTS.

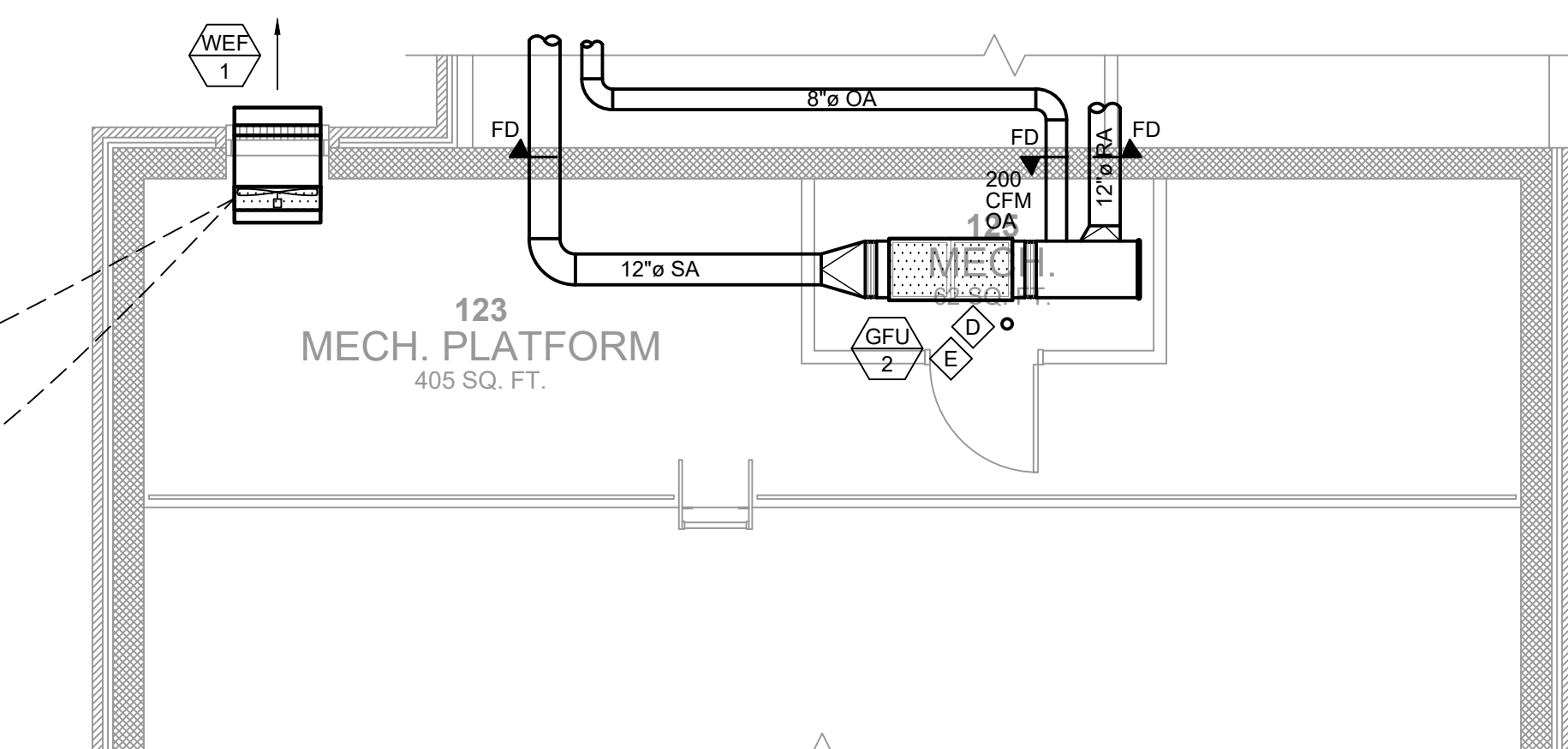
GENERAL CONSTRUCTION NOTES

- 1. UNLESS DOOR IS NOTED TO HAVE A TRANSFER GRILLE INSTALLED, UNDERCUT RESTROOM, STORAGE CLOSET, AND JANITOR'S CLOSET DOORS 3/4" FOR PROPER MAKE-UP AIR FLOW.
- 2. DRAIN HVAC CONDENSATE TO HUB DRAINS PROVIDED, UNLESS NOTED OTHERWISE. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION.
- 3. COORDINATE DIFFUSER LOCATIONS WITH ARCH. REFLECTED CEILING PLAN AND LIGHTING PLAN.
- 4. FIELD VERIFY EXACT CONDITIONS. PROVIDE NECESSARY ALTERATIONS REQUIRED TO MEET DESIGN INTENT.
- 5. ALL MOTORIZED INTAKE LOUVERS SHALL FAIL CLOSED.

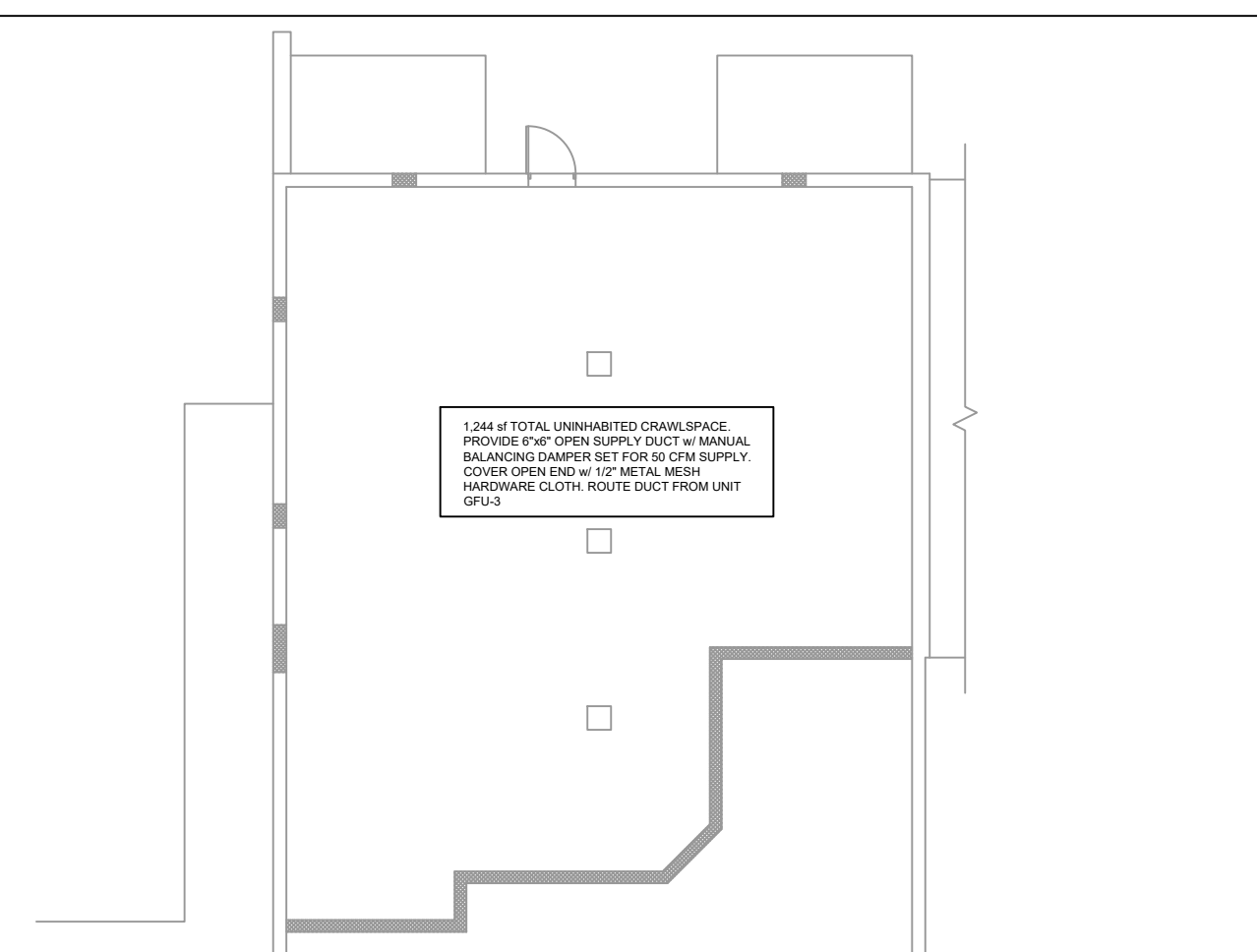
FOR CONSTRUCTION



MAIN LEVEL HVAC PLAN  
SCALE: 3/16" = 1'-0"



MECHANICAL PLATFORM HVAC PLAN  
SCALE: 3/16" = 1'-0"



CRAWLSPACE HVAC PLAN  
SCALE: 3/32" = 1'-0"

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## GENERAL PLUMBING NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ACCEPTED VERSION OF THE INTERNATIONAL PLUMBING CODE (IPC) WITH ADOPTED STATE AMENDMENTS AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
- PLUMBING FIXTURES SHALL BE "HIGH EFFICIENCY" WITH WATER SENSE COMPLIANT FLOW OR FLUSH RATES AS REQUIRED BY GEORGIA AMENDMENTS TO THE IPC.
- EXPOSED FIXTURES: CHROME PLATED BRASS AND COPPER TUBING WITH THREADED PLATED BRASS FITTINGS.
- JOIN PIPES OF DISSIMILAR METALS WITH DIELECTRIC UNIONS OR SIMILAR ISOLATING DEVICES. DO NOT DIRECTLY CONNECT TO PIPES OF DISSIMILAR METALS.
- ROUTE PIPING PARALLEL TO BUILDING STRUCTURE AND MAINTAIN GRADIENT.
- INSTALL PIPING TO MAINTAIN HEADROOM. GROUP PIPING TO CONSERVE SPACE. GROUP PIPING WHENEVER PRACTICAL AT COMMON ELEVATIONS.
- INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT.
- PROVIDE CLEARANCE IN HANGERS AND FROM STRUCTURE AND OTHER EQUIPMENT FOR INSTALLATION OF INSULATION AND ACCESS TO VALVES AND FITTINGS.
- SLEEVE PIPE PASSING THROUGH PARTITIONS, WALLS AND FLOORS.
- INSTALL IDENTIFICATION ON PIPING SYSTEMS OR INSULATION COVERINGS INCLUDING UNDERGROUND PIPING PER PIPE LABELING DETAIL. LABELS SHALL INCLUDE NAME OF FLUID INSIDE PIPE ALONG WITH DIRECTIONAL FLOW ARROWS. ALL GAS PIPING SHALL BE PAINTED YELLOW WITH PIPE MARKERS APPLIED AFTER PAINTING. NON-STEEL GAS PIPING SHALL HAVE LABELS APPLIED NOT EXCEEDING 5 FEET APART.
- PROTECT PIPING SYSTEMS FROM ENTRY OF FOREIGN MATERIALS BY TEMPORARY COVERS, COMPLETING SECTIONS OF THE WORK, AND ISOLATING PARTS OF COMPLETED SYSTEM.
- CONTRACTOR SHALL SECURE AND PAY FOR ALL FEES AND PERMITS REQUIRED TO ACCOMPLISH THE WORK SHOWN.
- BEFORE COMMENCEMENT OF WORK, CONTRACTOR SHALL VERIFY EXACT LOCATIONS, ELEVATIONS, AND CHARACTERISTICS OF UTILITIES AND PIPING AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES. PIPE SLOPES SHOULD BE VERIFIED TO ENSURE PROPER ELEVATIONS ARE OBTAINED AT CONNECTION POINTS.
- EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM ARCHITECTURAL DRAWINGS.
- CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTIONS AND SHALL PAY FOR ALL FEES, CHARGES, PERMITS, AND METERS.
- ALL SANITARY DRAINAGE PIPES 2" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT MINIMUM, AND ALL SANITARY DRAINAGE PIPES 3" AND LARGER SHALL BE SLOPED AT 1/8" PER FOOT MINIMUM. GREASE WASTE PIPES SHALL ALL BE SLOPED AT MIN. 1/4" PER FOOT.
- ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR BE SUPPORTED FROM CEILING TILES.
- LOCATE ALL SECTIONAL OR MAIN CONTROL VALVES WITHIN 1'-0" OF ACCESS PANELS, CELING TILES, OR OTHER POINTS OF ACCESS.
- PLUMBING AND FIRE PROTECTION PIPING IS NOT TO BE INSTALLED IN ELECTRICAL ROOMS, CLOSETS, TELEPHONE ROOMS, OR ELEVATOR EQUIPMENT ROOMS EXCEPT PIPING SERVING THAT ROOM.
- WATER PIPING ROUTED ABOVE CEILING AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE (UNDERSIDE) OF CEILING INSULATION AND HEATED SIDE (INSIDE) OF WALL INSULATION.
- TOPS OF ALL FLOOR DRAINS AND FLOOR CLEANOUTS SHALL BE LEVEL WITH FINISHED FLOOR AT INSTALLATION LOCATION TO PREVENT TRIP HAZARDS - FLOORS SHALL SLOPE TO FLOOR DRAINS.
- PRIME ALL FLOOR DRAIN AND INDIRECT DRAIN TRAPS WITH WATER BASED TRAP PRIMERS AS SHOWN ON PLANS. MECH. TRAP GUARDS MAY BE USED IN LIEU OF WATER BASED TRAP PRIMERS WHERE THE AUTHORITY HAVING JURISDICTION ALLOWS.
- ALL VENT AND FLUE OUTLETS SHALL BE 10'-0" MINIMUM FROM ANY FRESH AIR INTAKE.
- DURING THE PROGRESS OF THE PROJECT, MAINTAIN AN ACCURATE RECORD OF ALL CHANGES MADE IN THE PLUMBING SYSTEMS. THE RECORD DRAWING SHALL SHOW CHANGES IN MANUFACTURER (WITH NUMBERS AND TRADE NAMES), MATERIALS, SIZES, LOCATIONS, AND HOOK-UP POINTS. AS-BUILTS SHALL BE GIVEN TO OWNER'S CONSTRUCTION MANAGER AT COMPLETION OF JOB.
- UPON COMPLETION OF THIS JOB, CONTRACTOR SHALL INSPECT ALL EXPOSED PORTIONS OF THE PLUMBING INSTALLATION AND COMPLETELY REMOVE ALL EXPOSED LABELS, SOIL, MARKINGS, AND FOREIGN MATERIAL EXCEPT PRODUCT LABELS AND THOSE REQUIRED BY THESE PLANS.
- CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND THE ELECTRICAL CONTRACTOR, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN. PLUMBING CONTRACTOR SHALL WIRE AND START ALL ELECTRICAL PLUMBING EQUIPMENT. ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING, CONDUIT, BREAKERS, AND OTHER APPROPRIATE ELECTRICAL EQUIPMENT.
- ALL PLUMBING EQUIPMENT, PIPING, INSULATION, ETC. INSTALLED IN HVAC PLENUM SPACES SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723.
- ALL PIPE PENETRATIONS OF FIRE OR SMOKE RATED ASSEMBLIES SHALL BE FIRE STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M COMPANY, CP25 CAULK, CS195 COMPOSITE PANEL, FS195 WRAP/SHRINK, OR PSS 7900 SERIES SYSTEMS AS RECOMMENDED BY MANUFACTURER FOR PARTICULAR APPLICATIONS. OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.
- ALL VENT THRU ROOF PENETRATIONS SHALL BE ROUTED TO TERMINATE AT THE LEAST VISIBLE LOCATION FROM THE ENTRY VIEW.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY PRODUCTS AND MATERIALS FOR A COMPLETE PLUMBING SYSTEM.
- EQUIPMENT AND PIPING LOCATIONS AND ROUTING SHOWN ARE DIAGRAMMATIC AND INTENDED TO SHOW THE INTENT OF THE DESIGN. COORDINATE FINAL LOCATIONS AND PIPE ROUTING WITH ARCHITECTURAL PLANS AND FIELD CONDITIONS.
- TEMPER ALL HAND WASHING SINKS TO A MAXIMUM OF 110 DEG. F. USING ASSG 1070 TEMPERATURE LIMITING DEVICE, ALL OTHER LOCATIONS TO A MAXIMUM OF 120 DEG. F UNLESS HIGHER TEMPERATURES ARE REQ'D FOR PROPER OPERATION.
- ALL FIXTURES USING PRESSURIZED WATER SUPPLIES SHALL BE INSTALLED WITH SHUT OFF VALVES FOR ISOLATION AND SERVICE.
- CONTRACTOR SHALL FIELD COORDINATE REQUIRED DRAIN PIPE INVERTS WITH SITE CONTRACTOR BEFORE ORDERING PIPE.
- CONTRACTOR SHALL HAVE A THOROUGH COORDINATION AND CONSTRUCTABILITY MEETING WITH ALL JOB TRADES BEFORE FINAL PRICING/BUDGETING OR PURCHASING ANY EQUIPMENT, AND ENGINEER SHALL BE NOTIFIED BEFORE FINAL PRICING/BUDGETING OR PURCHASING ANY EQUIPMENT OF CONFLICTS, DISCREPANCIES, OR OTHER ISSUES THAT MAY INCREASE PROJECT COST SO THAT ISSUES MAY BE RESOLVED BEFORE PRICING. THESE PLANS WERE DEVELOPED BASED ON THE ARCHITECTURAL PLANS AVAILABLE AT THE TIME OF DESIGN, AND ARE DIAGRAMMATIC IN NATURE.
- ALL PIPING ACCESSORIES INSTALLED UNDERGROUND INCLUDING, BUT NOT LIMITED TO SHUT OFF VALVES, BACKFLOW DEVICES, PRESSURE REDUCING VALVES, ETC. SHALL BE INSTALLED IN A BOX OR VAULT FOR SERVICEABILITY AND PROTECTION. THESE DEVICES SHALL NOT BE DIRECT BURIED BELOW GRADE.
- MAX. "DEAD LEG" LENGTH OF ANY PIPING SHALL BE 12 INCHES.

PLUMBING LEGEND		
SYMBOL	DESCRIPTION	ABBREVIATION
—	ABOVE FINISHED CEILING	AFC
—	ABOVE FINISHED FLOOR	AFF
—	BELOW COUNTER	B/C
—	BELOW FINISHED FLOOR	BFF
—	BELOW GRADE	B/G
— — —	DOMESTIC COLD WATER PIPING	CW
— — —	DOMESTIC HOT WATER PIPING	HW
—	VENT PIPE	V
—	SANITARY SOIL	SS
— — —	VENT THROUGH ROOF OR WALL	VTR OR VTW
—	FLOOR CLEANOUT	FCO
—	FLOOR DRAIN	FD
—	FLOOR SINK (INDIRECT DRAIN)	FS
—	WALL CLEANOUT	WCO
—	CLEANOUT TO GRADE	COTG
—	P-TRAP	
—	PRESSURE REDUCING VALVE	PRV
—	BACKFLOW PREVENTER	BP
—	BALL VALVE	
—	UNION	
—	PRESSURE REDUCING VALVE	
—	BLIND FLANGE/CAP	
—	PIPING CONNECTION ON TOP	
—	PIPING CONNECTION ON BOTTOM	
—	ELBOW TURNED DOWN	
—	ELBOW TURNED UP	
—	THERMOMETER	
—	CONNECT TO EXISTING	CTE

PIPING LABEL COLOR GUIDE		
PIPING SYSTEM FLUID	LABEL COLOR	TEXT COLOR
DOMESTIC COLD WATER	SAFETY GREEN	WHITE
DOMESTIC HOT WATER	SAFETY GREEN	WHITE
FIRE PROTECTION FLUIDS	SAFETY RED	WHITE

SIZE OF LEGEND LETTERS		
PIPE OR PIPE COVERING OUTER DIAM. (IN.)	LENGTH OF COLOR FIELD (IN.)	SIZE OF LETTERS (IN.)
3/4" TO 1-1/4"	8"	1/2"
1-1/2" TO 2"	8"	3/4"
2-1/2" TO 6"	12"	1-1/4"
8" TO 10"	24"	2-1/2"
OVER 10"	32"	3-1/2"

- NOTES:
- IF AN EXISTING PIPE LABELING/MARKING SCHEME IS USED IN THE FACILITY, MATCH EXISTING SCHEME IN LIEU OF THESE DIRECTIONS.
  - LABEL TEXT SHOULD MATCH FLUIDS IN TABLE, AND SHOULD INCLUDE FLOW ARROWS INDICATING DIRECTION OF FLUID FLOW.
  - IF FLUIDS MAY FLOW IN TWO DIRECTIONS, ARROWS SHOULD INDICATE SUCH.
  - APPLY LABELS SO THAT THEY ARE EASILY READABLE BY OCCUPANTS OR EMPLOYEES. FOR EASE OF READING, LABELS SHOULD BE APPLIED ON BOTTOM OF PIPES THAT ARE ABOVE OCCUPANT LEVEL, ON TOP OF PIPES THAT ARE BELOW OCCUPANT LEVEL, AND ON SIDE OF PIPES THAT ARE AT OR NEAR OCCUPANT LEVEL.
  - FOR PIPES SMALLER THAN 3/4", USE PERMANENTLY ENGRAVED LABELS AFFIXED TO PIPES.
  - APPLY LABELS NEAR VALVES, BRANCHES, WHERE A CHANGE IN DIRECTION OCCURS, AT ENTRY AND RE-ENTRY POINTS THRU WALLS, FLOORS, ROOFS, AND ON STRAIGHT SEGMENTS WITH SPACING BETWEEN LABELS THAT ALLOWS FOR EASY IDENTIFICATION.
  - PIPING SYSTEMS CONVEYING GASEOUS CONTENTS SHALL HAVE SYSTEM DESIGN PRESSURE INDICATED ON THE LABEL IN ADDITION TO SYSTEM FLUID AND DIRECTIONAL ARROWS.
  - NATURAL AND PROPANE GAS LABELS ON NON-STEEL PIPING SHALL BE APPLIED AT INTERVALS NOTE EXCEEDING 5 FEET.
  - THESE LABELING GUIDELINES DO NOT APPLY TO MEDICAL GAS AND VACUUM SYSTEMS. FOR THESE TYPES OF SYSTEMS, REFER TO THE LOCAL CODE OFFICIALS' LATEST ACCEPTED VERSION OF NFPA 99.

## TANKLESS NATURAL GAS WATER HEATER SCHEDULE

TAG	BASIS OF DESIGN	GAS IN. (MBH)	EFF. (%)	GPM @ 80 DEG. RISE	GPM @ 100 DEG. RISE	HW CONN. (IN.)	CW CONN. (IN.)	GAS CONN. (IN.)	PWR	NOTES
GWH-1, GWH-2	NAVIER NPE-240A2	199.9	96	4.9	3.9	3/4	3/4	3/4	SEE DIV. 16	1-5

### NOTES

- LINK WATER HEATERS TOGETHER FOR STAGING AND CONTROL.
- MANUFACTURER'S ISOLATION VALVES.
- MOUNTING KIT FOR MOUNTING ON INTERIOR WALL.
- FLUE AND COMBUSTION AIR VENT TO ROOF WITH CONCENTRIC ROOF KIT.
- PROVIDE w/ INTEGRAL CIRCULATING PUMP.

## DOMESTIC WATER HEATER SCHEDULE

TAG	BASIS OF DESIGN	STORAGE CAPACITY (GAL.)	TOTAL INPUT (KW)	NO. OF ELEMENTS, KW EA.	100 F RECOV. (GPH)	STORAGE TEMP. (DEG F)	WATER CONN. (IN.)	SHIP WEIGHT (LBS.)	POWER	NOTES
EWH-1	LOCHINVAR LDJ-20-JP	2	2.0	1	24	140	3/4	50	SEE DIV. 16	1,2,3

### NOTES

- BASIS OF DESIGN IS LOCHINVAR. ALTERNATE MANUFACTURERS: A.O. SMITH, RHEEM
- EXPANSION TANK
- PROVIDE ALL APPURTENANCES FOR A FULLY FUNCTIONING, CODE COMPLIANT WATER HEATING SYSTEM BASED ON IPC, PLANS, NOTES, AND DETAILS.

## PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	PIPING CONNECTION SIZES				SPECIFICATION
		S.S.	V.	C.W.	H.W.	
HWC	FLUSH VALVE WATER CLOSET, ADA	3"	3"	1"		<ul style="list-style-type: none"> <li>HANDICAP WATER CLOSET SHALL BE FLOOR MOUNTED FLUSH VALVE TYPE WITH ELONGATED BOWL AND 1.28 GPF FLUSH. SEAT SHALL BE COMMERCIAL TYPE WITH OPEN FRONT. INCLUDE ALL REQUIRED HARDWARE FOR A COMPLETE INSTALLATION.</li> <li>FIXTURE: KOHLER K-4405, 10" ROUGH-IN</li> <li>SEAT: KOHLER K-4670</li> <li>FLUSH VALVE: SLOAN, CROWN MODEL 111-1.28</li> </ul>
LAV-1	INTEGRAL BOWL LAVATORY, PUBLIC (0.5 GPM)	2"	2"	1/2"	1/2"	<ul style="list-style-type: none"> <li>LAVATORY BASIN IS INTEGRAL TO COUNTERTOP</li> <li>JAY R. SMITH 2598 PRIME-EZE WATER SAVER TRAP PRIMER (ALT SPEC: KOHLER 8998 P-TRAP WHERE NOT USED AS TRAP PRIMER) WHEN PRIMING FLOOR DRAINS.</li> <li>DELTA 501 FAUCET, POLISHED CHROME.</li> <li>MCGUIRE 151 BRASS STRAINER.</li> <li>MCGUIRE BV-2165 QUARTER TURN BALL VALVE STOPS AND SUPPLIES</li> <li>WHITE COVERS OVER HW, SS PIPES (TRUEBRO OR EQUAL)</li> </ul>
LAV-2	WALL MOUNT LAVATORY, PUBLIC (0.5 GPM)	2"	2"	1/2"	1/2"	<ul style="list-style-type: none"> <li>KOHLER K-2005, ADA COMPLIANT, WHITE VITREOUS CHINA WALL MOUNT SINK, REAR CENTER DRAIN WITH OVERFLOW, 3 HOLE DRILLING ON 4", 21-1/4" L-R X 18-1/8" F-B X 7-1/4" DEEP. INCLUDE WALL HANGER/CARRIER.</li> <li>JAY R. SMITH 2598 PRIME-EZE WATER SAVER TRAP PRIMER (ALT SPEC: KOHLER 8998 P-TRAP WHERE NOT USED AS TRAP PRIMER) WHEN PRIMING FLOOR DRAINS.</li> <li>DELTA 501 FAUCET, POLISHED CHROME.</li> <li>MCGUIRE 151 BRASS STRAINER.</li> <li>MCGUIRE BV-2165 QUARTER TURN BALL VALVE STOPS AND SUPPLIES</li> <li>WHITE COVERS OVER HW, SS PIPES (TRUEBRO OR EQUAL)</li> </ul>
SK-1	SGL. BOWL CUSTOM FAB. KITCHEN SINK (1.5 GPM)	2"	2"	1/2"	1/2"	<ul style="list-style-type: none"> <li>CUSTOM FABRICATED STAINLESS STEEL SINGLE BASIN SINK. 36" L-R, 18" F-B, 12" DEEP. SINK SHALL BE A SEAMLESS EXTENSION OF THE STAINLESS STEEL COUNTERTOP. BOTTOM SHALL SLOPE TOWARD DRAIN. SEE ARCH. PLANS FOR COUNTERTOP SPECIFICATION</li> <li>FAUCET: 151 BRASS B-0178 SPRAY ASSEMBLY, 8" DECK MOUNT BASE, 12" ADD ON FAUCET, SPRAY VALVE, AND STAINLESS STEEL FLEX HOSE.</li> <li>INCLUDE PIPE COVERS AND OFFSET TAIL PIECE FOR ADA INSTALLATION.</li> <li>MCGUIRE BV-2165 QUARTER TURN BALL VALVE STOPS AND SUPPLIES.</li> </ul>
SK-2	PEDAL OPERATED SCRUB SINK (1.5 GPM)	2"	2"	1/2"	1/2"	<ul style="list-style-type: none"> <li>ELKAY EWS2520FC, 14 GAUGE 304 STAINLESS STEEL WALL HUNG SCRUB SINK. 25" L-R, 19" F-B. KNEEFOOT OPERATED WATER VALVES.</li> <li>ELKAY LK395A SPOUT.</li> <li>P-TRAP w/ CONDENSATE INLET. JR SMITH 9200</li> <li>ELKAY WALL HANGER AND STAINLESS STEEL SUPPORT BRACKETS.</li> </ul>
MOP	JANITOR'S MOP SINK	3"	2"	1/2"	1/2"	<ul style="list-style-type: none"> <li>SERVICE/JANITOR'S SINK SHALL BE BOTTOM-DRAINING, FLOOR-MOUNTED, 12" DEEP, CORNER-TYPE, FAUCET w/ 1/2" DIAMETER RUBBER HOSE, HOSE CLAMP, INTEGRAL RIM GUARD, STAINLESS STEEL SPLASH PANELS, AND INCLUDE ALL PARTS FOR COMPLETE INSTALLATION.</li> <li>FIXTURE: STERN WILLIAMS CRS-2210</li> <li>FAUCET: STERN WILLIAMS T-10-VB</li> <li>WATTS LFUSG-B UNDER SINK GUARDIAN THERMOSTATIC MIXING VALVE, MOUNTED ABOVE CEILING</li> <li>PROVIDE ACCESSIBLE INLINE CHECK VALVES ON HOT AND COLD SUPPLY PIPES.</li> </ul>
TD-1	APPARATUS BAY TRENCH DRAIN	4"				<ul style="list-style-type: none"> <li>SIoux CHIEF "FAST TRACK" MODEL, 6" WIDE TRENCH DRAIN w/ EXTRA HEAVY DUTY GRATE, PRE-SLOPED TO ONE END, 865-F DUCTILE IRON, TRAFFIC GRATE, PROVIDE w/ END CAPS. PROVIDE 4" BOTTOM OUTLET. DRAIN CHANNELS SHALL MECHANICALLY LOCK TOGETHER AND LOCK INTO CONCRETE SURROUND EVERY 12 IN. CHANNELS SHALL HAVE REBAR CLIPS TO LOCK INTO FINAL LOCATION.</li> </ul>
SH-1	SHOWER SET, ADA COMPLIANCE	2"	2"	1/2"	1/2"	<ul style="list-style-type: none"> <li>MOEN 8342 3-FUNCTION COMMERCIAL ADA SHOWER TRIM SET, INCLUDING ROUGH IN, UNIVERSAL INLETS AND OUTLETS, HAND HELD SHOWER HEAD WITH 69" METAL HOSE, 30" SLIDE BAR, DROP ELL, 3-FUNCTION VALVE, QUARTER TURN VALVE STOPS. TEMPERATURE LIMIT STOPS TO BE SET AT 105 DEGREES F. CHROME FINISH ON EXPOSED EQUIPMENT.</li> <li>SHOWER STALL TO BE SPECIFIED BY ARCHITECT IF SHOWER IS NOT TILE IN TYPE.</li> </ul>
ICE	REFRIG. ICE MAKER WALL SUPPLY BOX			1/2"		<ul style="list-style-type: none"> <li>OATEY 20 GA. GALV. STEEL ICE MAKER WALL BOX, WHITE POWER COAT FINISH. INCL. QUARTER TURN SHUT OFF VALVE, WATER HAMMER ARRESTOR. WALL RECESSING TYPE.</li> </ul>
WB	WASHING MACHINE WALL SUPPLY BOX	2"		1/2"	1/2"	<ul style="list-style-type: none"> <li>OATEY 20 GA. GALV. STEEL REVERSIBLE WASHING MACHINE WALL BOX WITH WATER SUPPLY AND DRAIN CONNECTIONS. WHITE POWER COAT FINISH. INCL. QUARTER TURN SHUT OFF VALVE, WATER HAMMER ARRESTOR. WALL RECESSING TYPE.</li> </ul>
NFWH	WALL HYDRANT			1/2"		<ul style="list-style-type: none"> <li>NON-FREEZE TYPE</li> <li>WOODFORD, MODEL B65</li> <li>PROVIDE KEYPED BOX</li> </ul>
WCO / GCO / FCO	WALL/GRADE/ FLOOR CLEANOUT					<ul style="list-style-type: none"> <li>SEE PLUMBING SPECIFICATIONS 15100 - 2.10</li> </ul>
FD / FS	FLOOR DRAIN	3"				<ul style="list-style-type: none"> <li>SEE PLUMBING SPECIFICATIONS 15100 - 2.9</li> </ul>
HD	HUB DRAIN	3"		1/2"		<ul style="list-style-type: none"> <li>CONDENSATE DRAIN HUB DRAIN</li> <li>SEE PLUMBING DETAILS</li> </ul>

PROJECT NUMBER  
23-017

DATE  
03/13/24

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NO.	DATE
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SUITE FOUR  
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TEL. 706.529.5895

ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS



SHEET NAME

PLUMBING  
SCHEDULES,  
LEGEND & NOTES

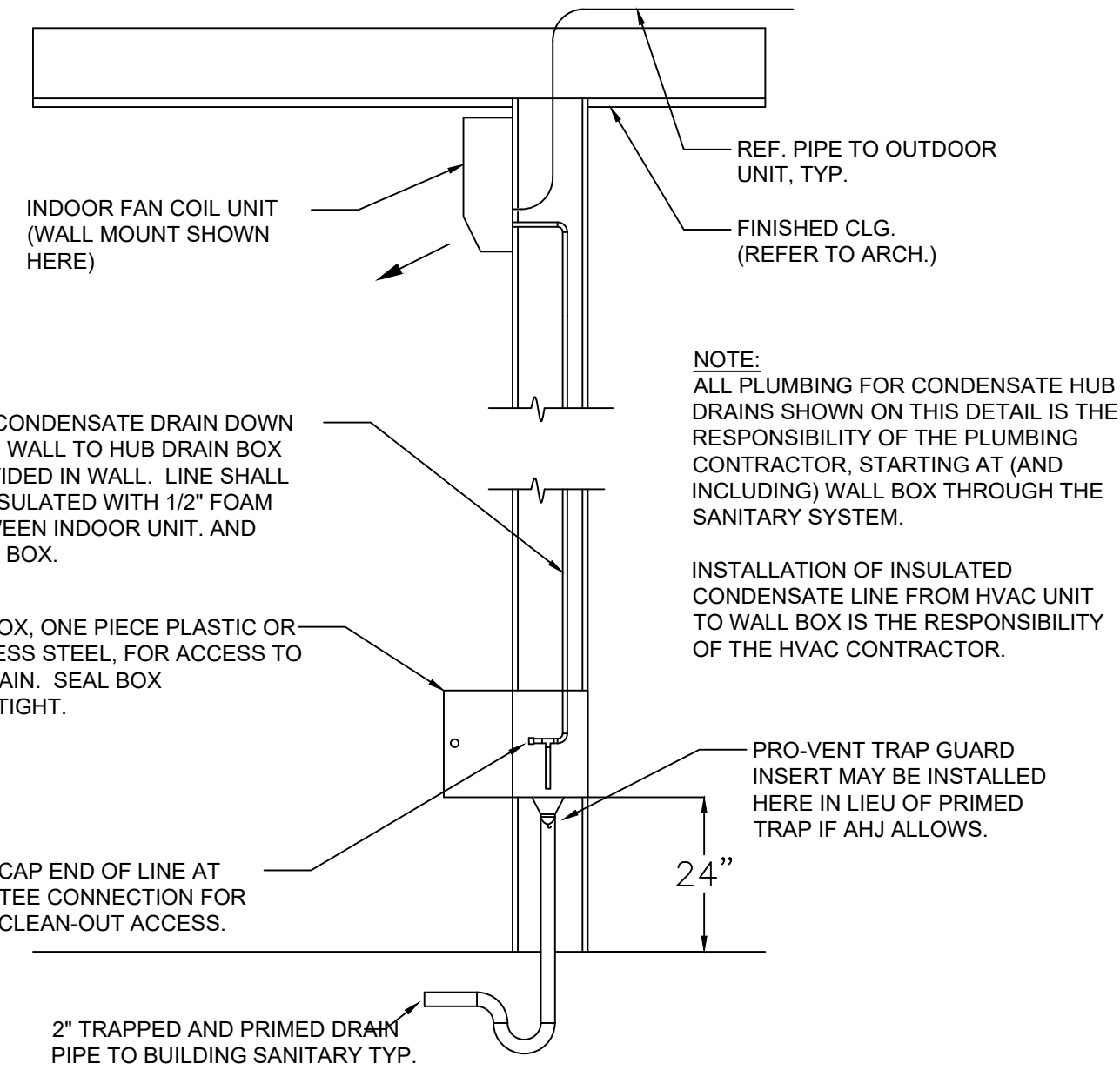
SHEET INDEX

FOR CONSTRUCTION

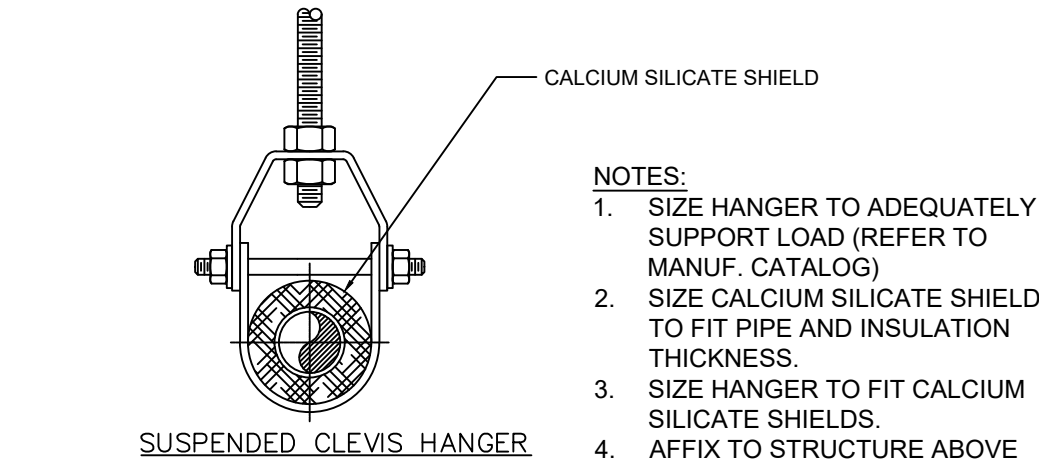
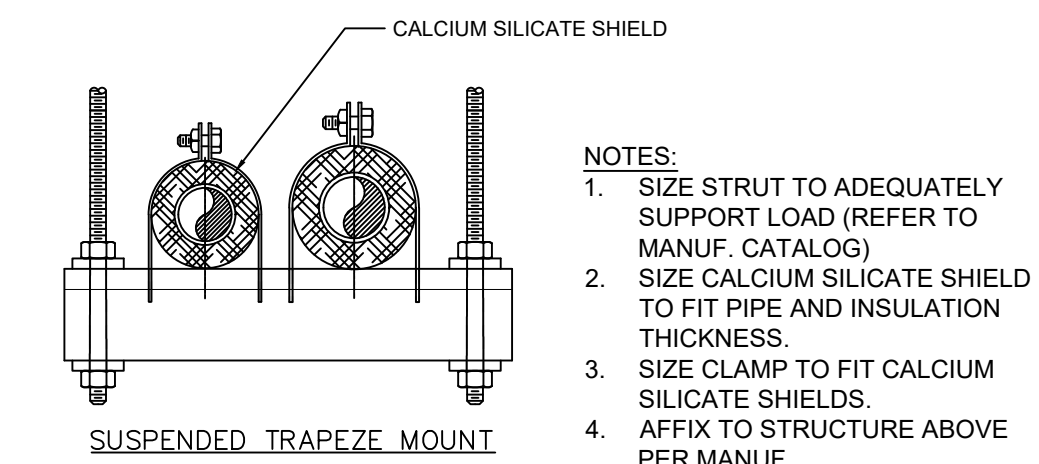
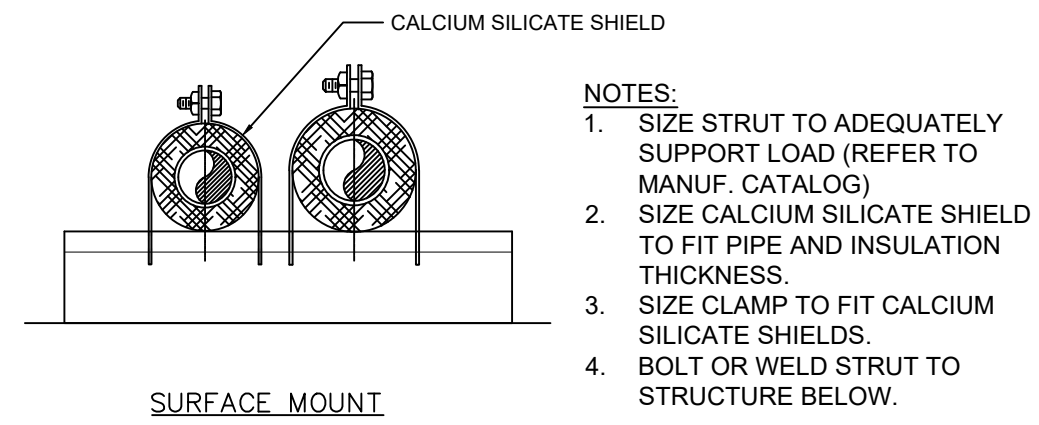
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**CONDENSATE TO HUB DRAIN WALL BOX DETAIL**  
NOT TO SCALE

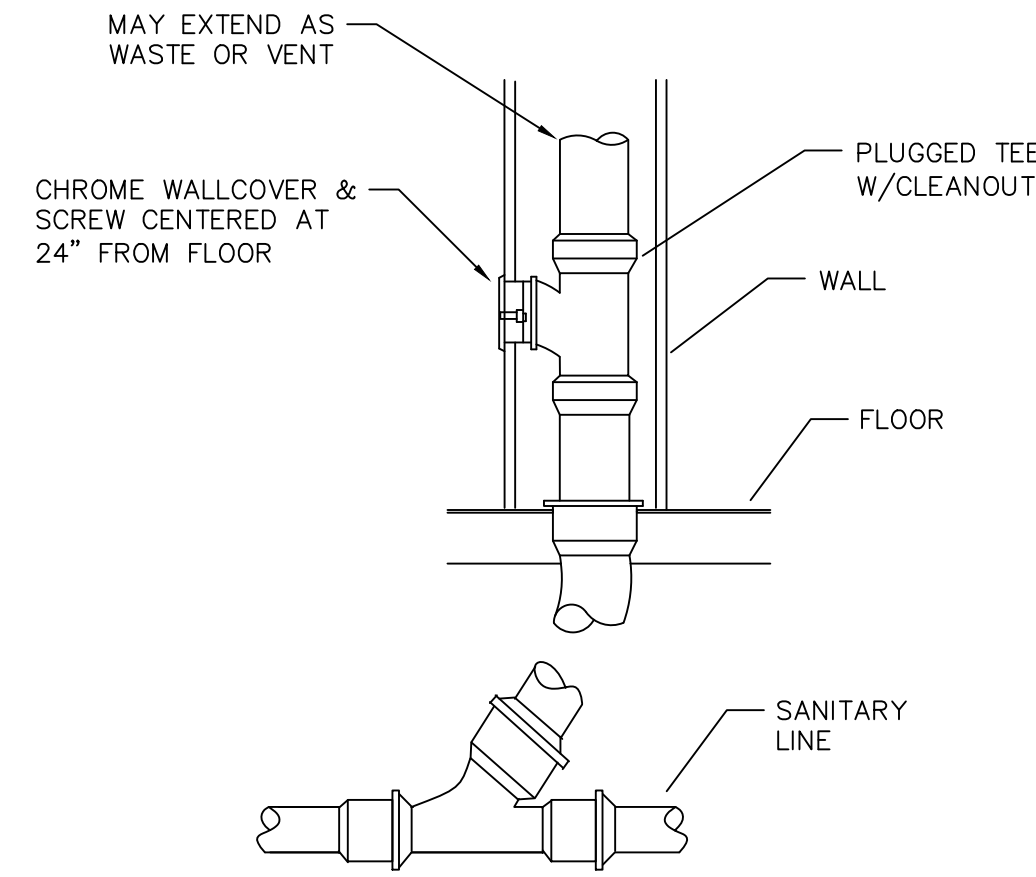


**TYP. PIPE HANGER DETAILS**  
NOT TO SCALE

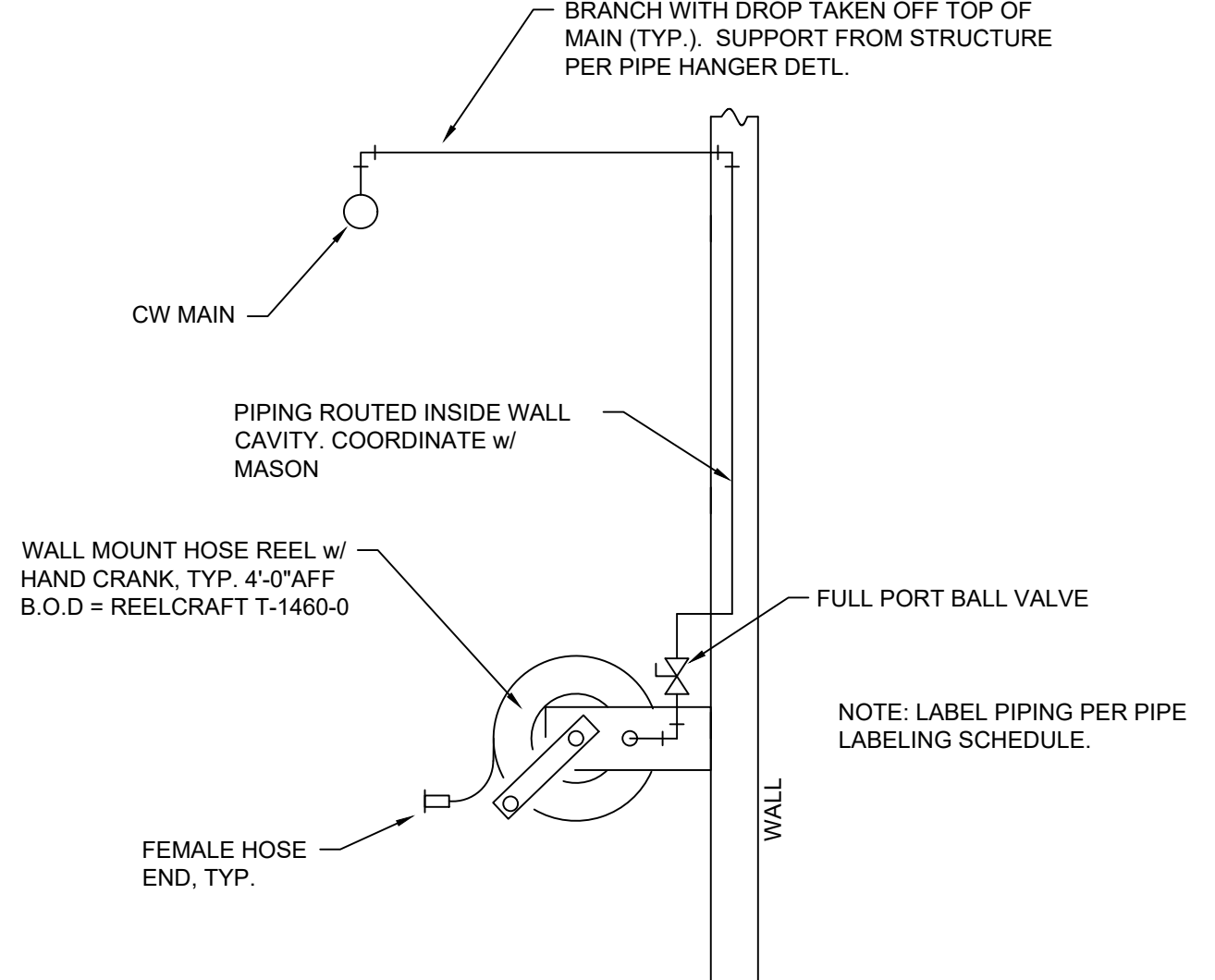
PIPE SIZE	ROD DIAM.	MAX. SPACING
1/2" - 1-1/4"	3/8"	7'
1-1/2"	3/8"	9'
2"	3/8"	10'
2-1/2"	1/2"	11'
3"	1/2"	12'
3-1/2"	1/2"	13'
4"	5/8"	14'
5"	5/8"	16'
6"	3/4"	17'
8"	3/4"	19'
10"	7/8"	22'
12"	7/8"	23'
14"	1"	25'
16"	1"	27'

NOTE: ALL PIPE INSULATION SHALL BE CONTINUOUS THROUGH PIPE CLAMPS, AND SHALL BE PROTECTED BY 3" SHIELD INSIDE CLAMPS.

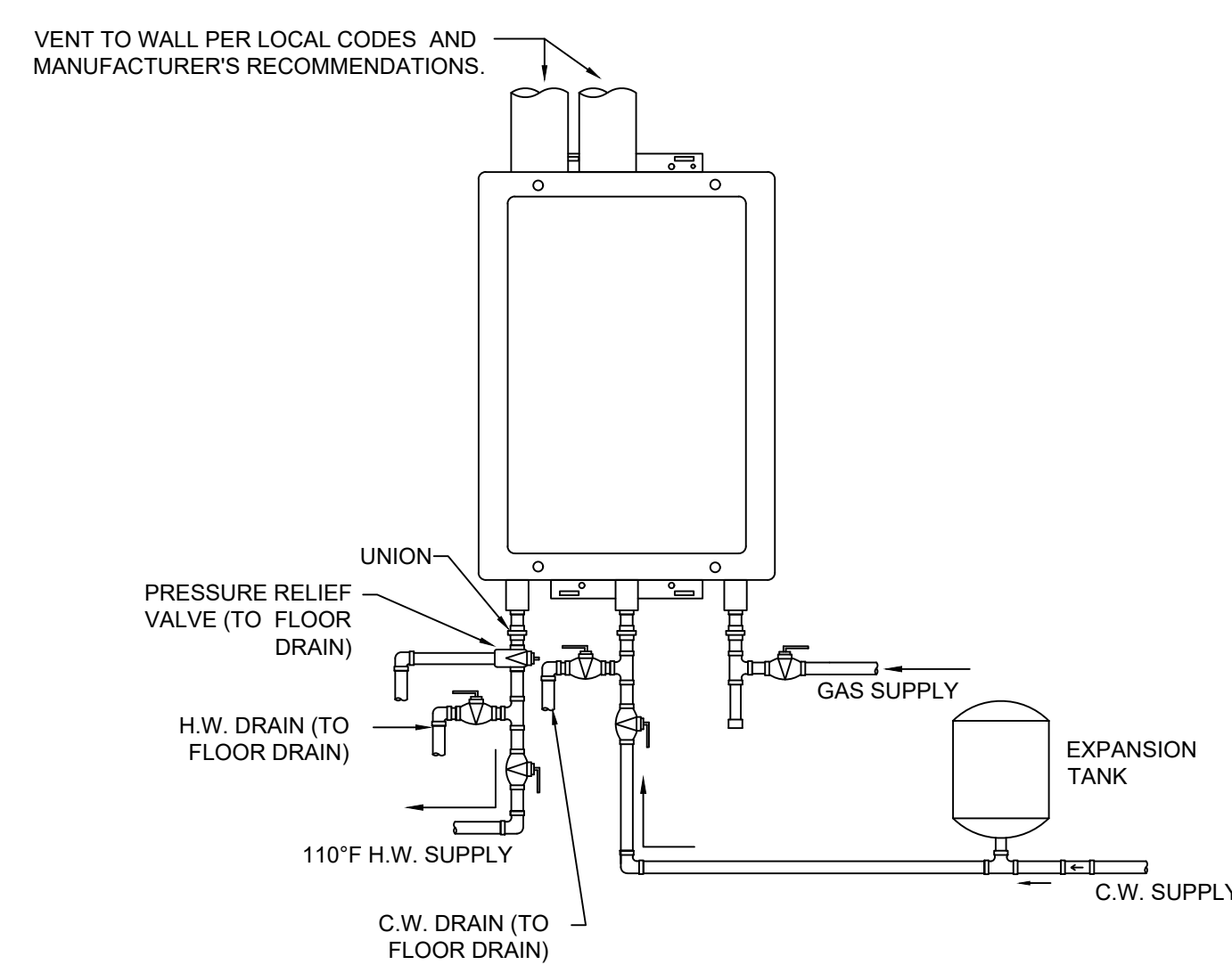
NOTE: ALL PIPE INSULATION LOCATED OUTSIDE OF BUILDING SHALL BE PROTECTED BY EMBOSSED METAL JACKETING.



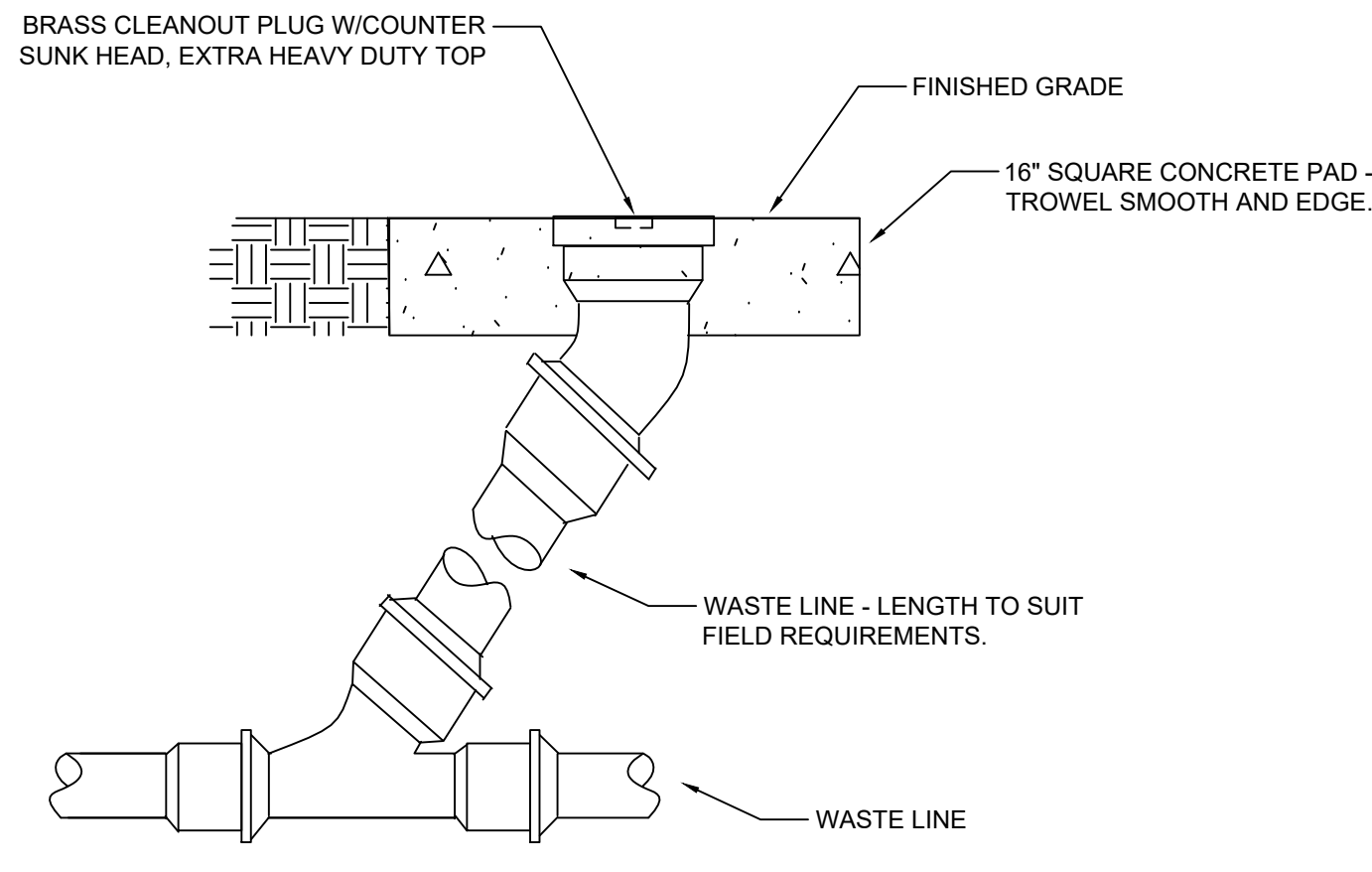
**TYP. WALL CLEANOUT DETAIL**  
NOT TO SCALE



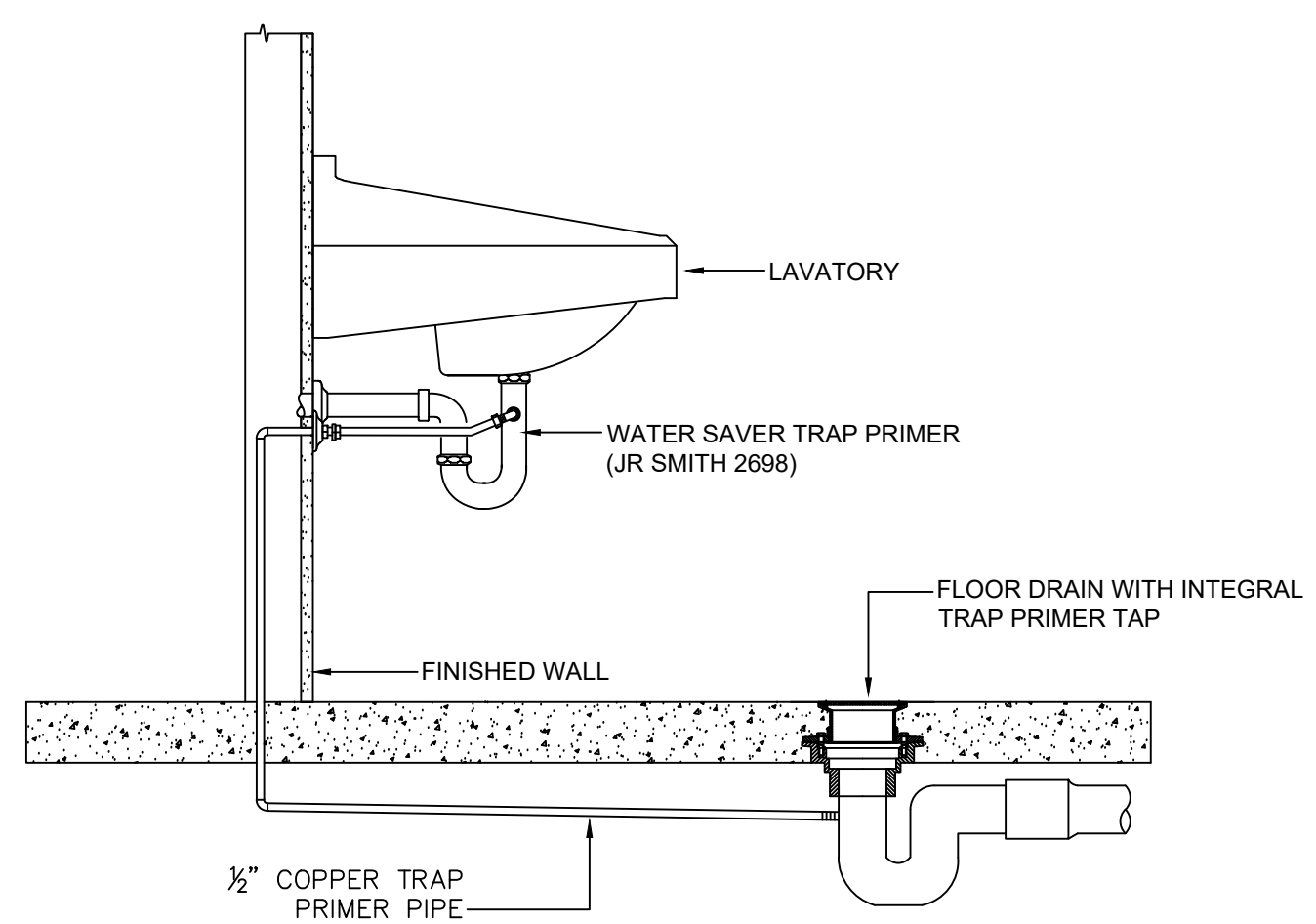
**TYP. WATER HOSE REEL DETAIL**  
NOT TO SCALE



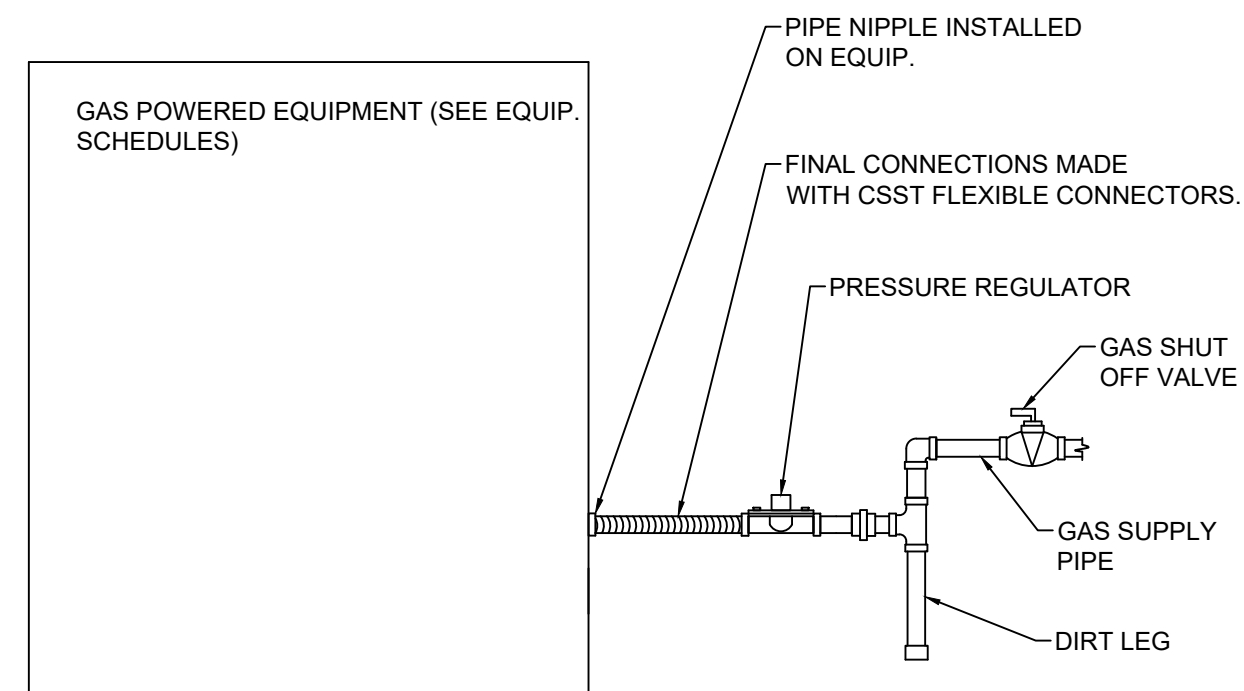
**INSTANTANEOUS GAS WATER HEATER DETAIL**  
NOT TO SCALE



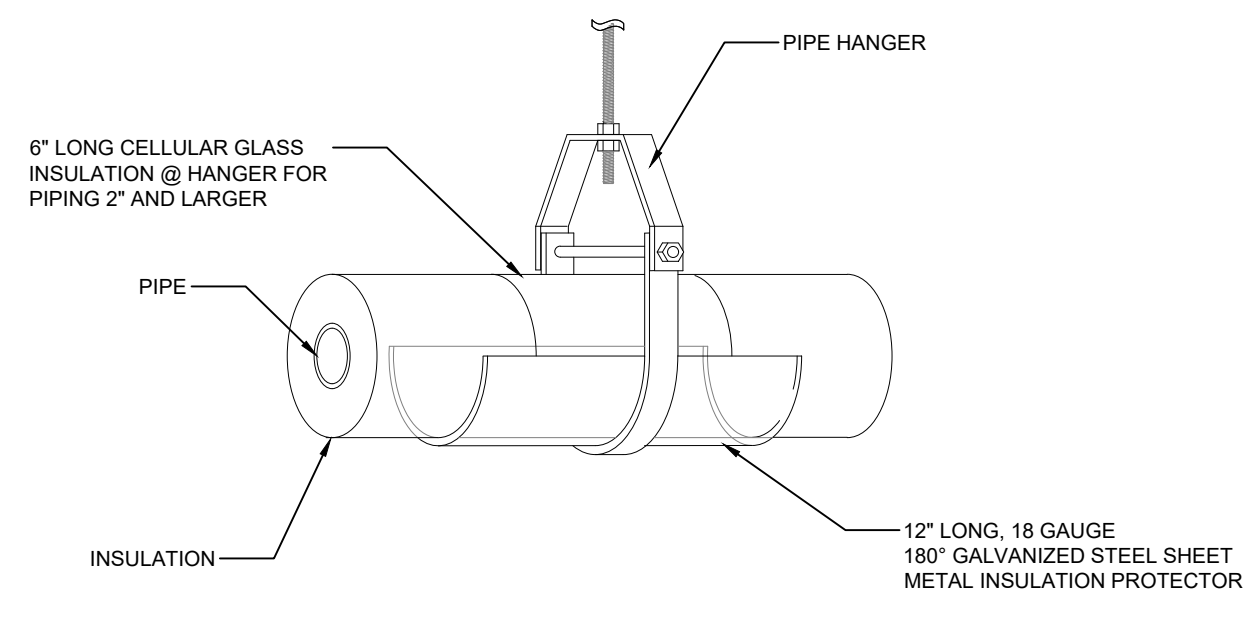
**TYP. CLEANOUT TO GRADE DETAIL**  
NOT TO SCALE



**TYP. WATER SAVER TRAP PRIMER DETAILS**  
NOT TO SCALE



**GAS CONNECTION DETAIL**  
NOT TO SCALE



**TYP. PIPE INSULATION SADDLE DETAIL**  
NOT TO SCALE

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**KRH**  
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GEORGIA REGISTERED PROFESSIONAL ENGINEER  
**J. Kyle Cox**  
13 March 2014  
J. KYLE COX

SHEET NAME  
**PLUMBING DETAILS**

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ADDITIONS & RENOVATIONS TO:  
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CHEROKEE COUNTY BOARD OF COMMISSIONERS

KEY NOTES

GENERAL CONSTRUCTION NOTES

1. ALL PIPING SHALL BE ROUTED CONCEALED.
2. ALL PIPING INSIDE WALLS SHALL BE SECURED SUCH THAT THERE IS NO MOVEMENT DUE TO WATER HAMMER
3. PROVIDE ISOLATION VALVES AT EACH FIXTURE GROUP. ALL FIXTURES SHALL BE CAPABLE OF REMOVAL / REPLACEMENT WITHOUT SHUTTING OFF BUILDING SUPPLY
4. ALL FLOOR DRAINS SHALL HAVE TRAP PRIMER INLET. PRIME ALL TRAPS w/ WATER-BASED TRAP PRIMERS.
5. PROVIDE ESCUTCHEONS AT ALL FIXTURE PIPE WALL PENETRATIONS

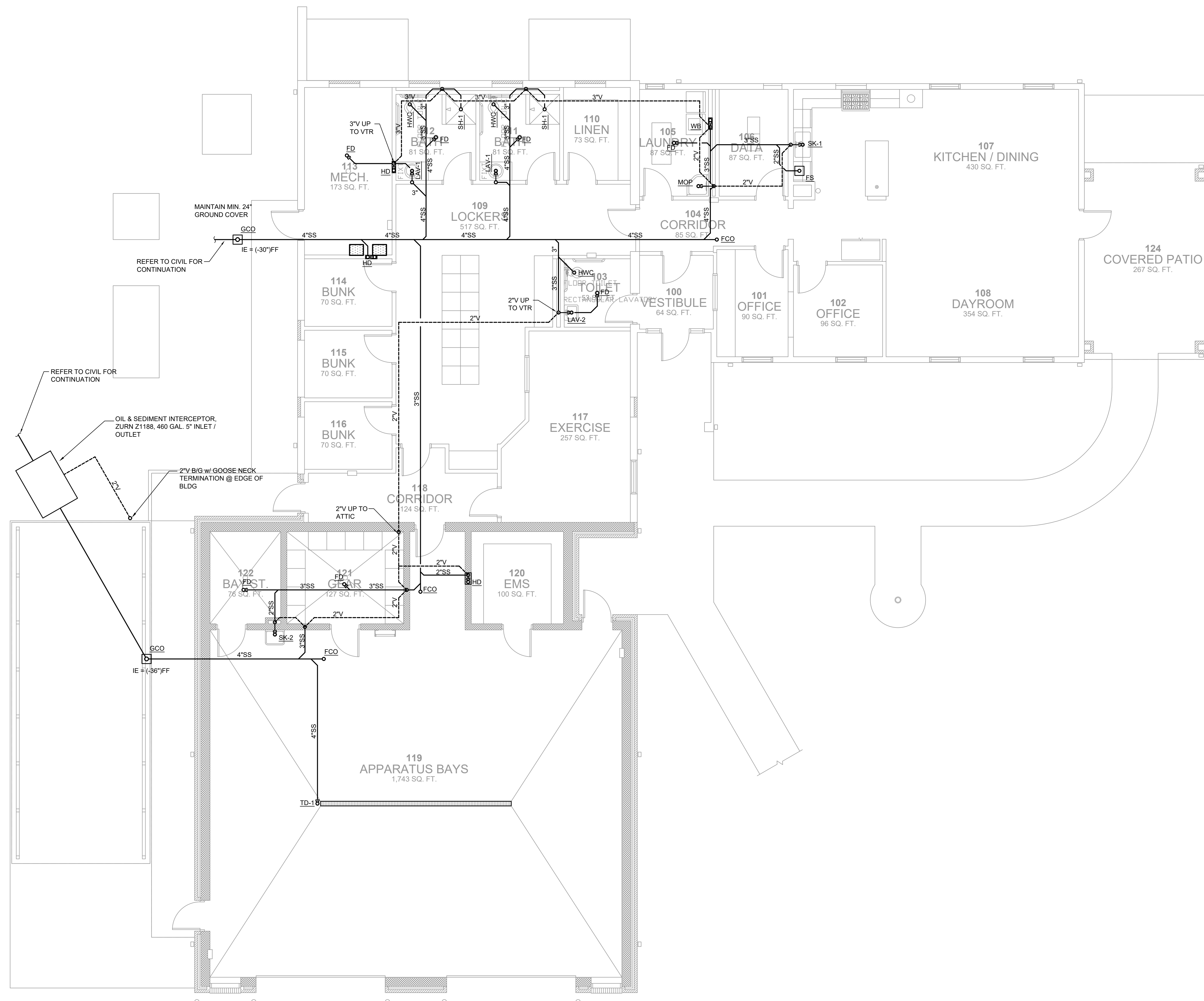
SHEET NAME

SANITARY WASTE & VENT PLAN

SHEET INDEX

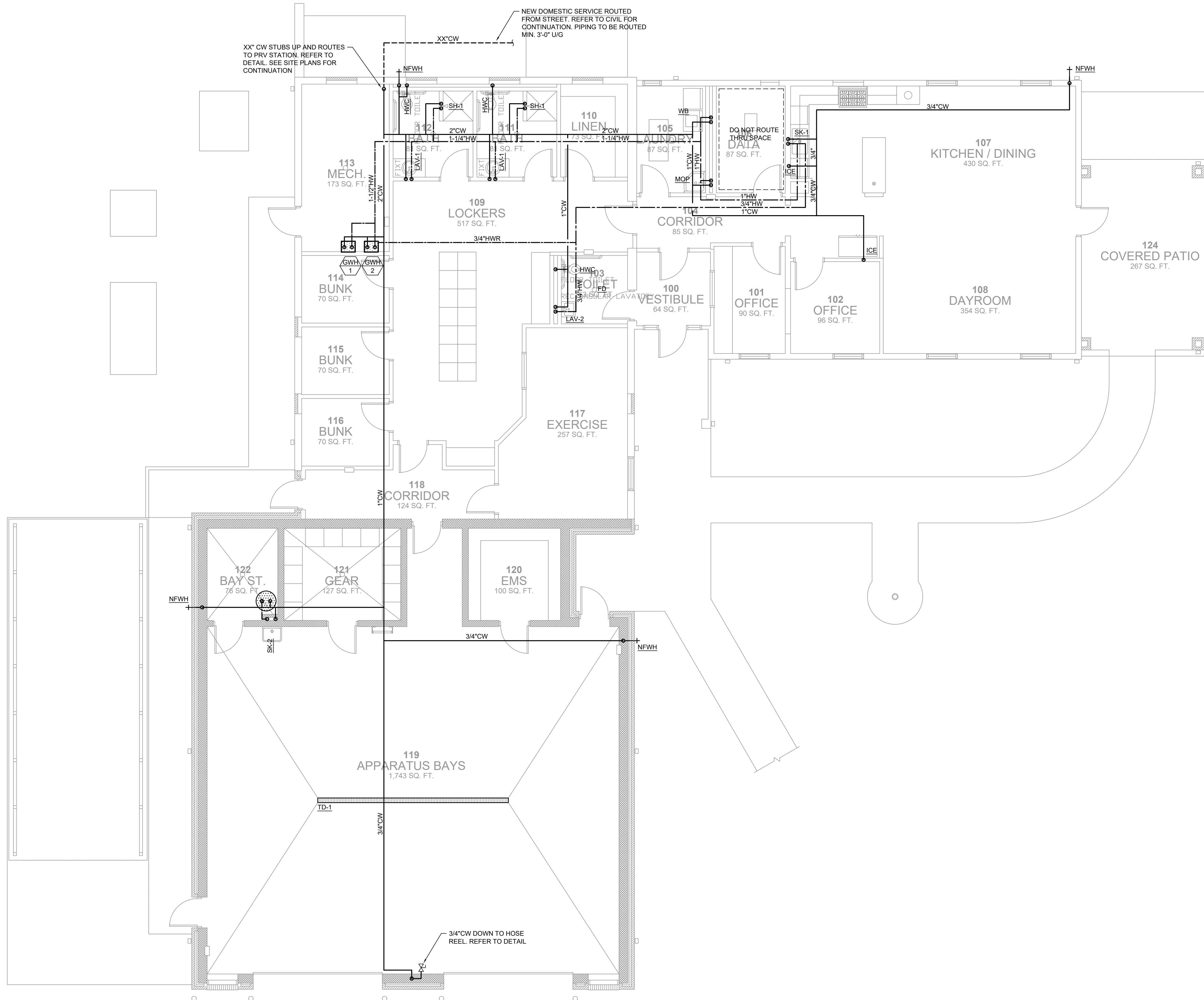
P1.1

FOR CONSTRUCTION



**SANITARY WASTE & VENT PIPING PLAN**  
SCALE: 3/16" = 1'-0"

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**DOMESTIC WATER PIPING PLAN**  
SCALE: 3/16" = 1'-0"

**KEY NOTES**

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**23-017**

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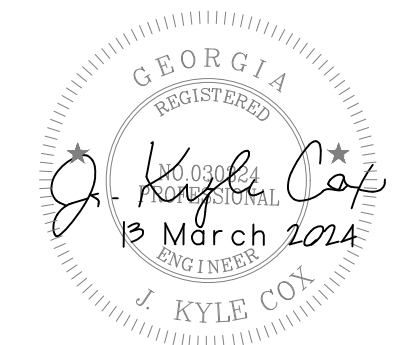


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SHEET NAME

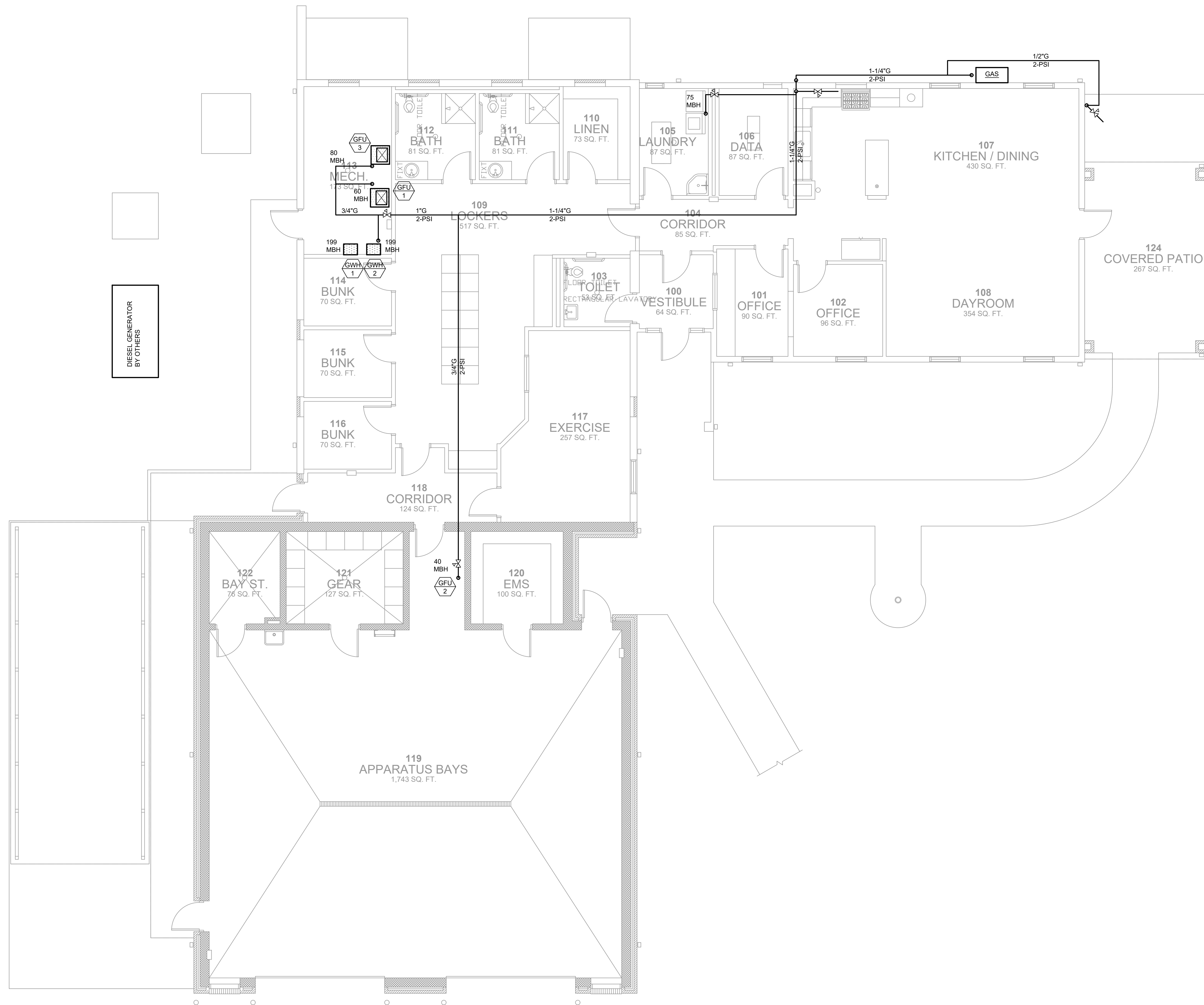
DOMESTIC WATER PIPING PLAN

SHEET INDEX

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DIESEL GENERATOR  
BY OTHERS

**NATURAL GAS PIPING PLAN**  
SCALE: 3/16" = 1'-0"

**KEY NOTES**

**GENERAL CONSTRUCTION NOTES**

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SHEET NAME

NATURAL GAS PIPING PLAN

SHEET INDEX

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ELECTRICAL LEGEND

Table with 3 columns: Symbol, Description, and Reference. Lists various electrical symbols and their corresponding descriptions, such as 'FLUORESCENT TROFFER, TYPE AS NOTED' and 'DUPLX RECEPTACLE 18" AFF OR AS NOTED, NEMA 5-20R'.

(NOTE: ALL SYMBOLS SHOWN MAY NOT APPEAR ON DRAWINGS AND ARE USED AS APPLICABLE TO THIS PROJECT)

ABBREVIATIONS

Table with 3 columns: Abbreviation, Full Name, and Unit/Value. Lists abbreviations for electrical components like 'A, AMPS', 'A/C, AIR CONDITIONER', 'AC, ALTERNATING CURRENT', etc.

ELECTRICAL SPECIFICATIONS:

- 1. GENERAL: Furnish all labor, equipment, and materials necessary for a complete installation of electrical wiring.
2. COORDINATION: Coordinate work so as to conform to the progress of the work of the other trades...
26. PANELBOARDS: Panelboards shall be of a dead-front safety type equipped with thermal magnetic molded case circuit breakers...

LIGHTING CONTROL GENERAL NOTES:

- 1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND AIM SENSORY IN THE CORRECT LOCATION REQUIRED FOR A COMPLETE AND PROPER VOLUME/TEMPERATURE COVERAGE WITHIN THE RANGE OF COVERAGES OF CONTROLLED AREAS PER THE MANUFACTURER'S RECOMMENDATIONS...
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE A PRE-INSTALLATION MEETING WITH THE MANUFACTURER'S FACTORY AUTHORIZED REPRESENTATIVE...

TAMPER-RESISTANT RECEPTACLE NOTES:

- ALL 15A/20A, 125V & 250V NON-LOCKING TYPE RECEPTACLES LISTED BELOW REQUIRE UL LISTED TAMPER RESISTANT RECEPTACLES.
1. DWELLING UNITS IN ALL AREAS SPECIFIED IN 210.52 & 550.13.
2. GUEST ROOMS AND GUEST SUITES OF HOTELS AND MOTELS.

FIRE ALARM GENERAL NOTES:

- 1. FIRE ALARM SUBCONTRACTOR SHALL PREPARE ENGINEERED FIRE ALARM PERMIT AND CONSTRUCTION DRAWINGS. THESE DRAWINGS SHALL INCLUDE PANEL AND DEVICE SPECIFICATIONS, CIRCUITING, VOLTAGE DROP AND BATTERY CALCULATIONS. VERIFY FIRE ALARM DEVICES ARE COMPATIBLE TO EXISTING FIRE ALARM SYSTEM IF APPLICABLE...
2. FIRE ALARM SYSTEM AND ALL ASSOCIATED OPERATIONS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
A. GEORGIA ACCESSIBILITY CODE
B. INTERNATIONAL FIRE CODE (2018)

GFCI/AFCI NOTES:

- 1. ALL 15A/20A, 125V THROUGH 250V RECEPTACLES INSTALLED IN LOCATIONS SPECIFIED IN NEC 210.8(A)(1)-(11) SHALL HAVE GROUND-Fault CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL. GA AMENDMENTS MET 250V REQUIREMENT AND ONLY REQUIRE 125V PROTECTION. GFCI RECEPTACLES SHALL BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 210.8 AND BE READILY ACCESSIBLE. FOR EQUIPMENT THAT WOULD HAVE TO BE MOVED TO RESET THE RECEPTACLE PER THE NEC DEFINITION, A GFCI BREAKER SHALL BE UTILIZED IN LIEU OF A RECEPTACLE.
2. ALL 120V, SINGLE-PHASE, 15A & 20A CIRCUIT BREAKERS WITHIN SLEEPING AREAS SHALL BE LISTED COMBINATION TYPE AFCI.

PROJECT NUMBER

23-017

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Table with 2 columns: NO. and DATE. Row 1: 0000 00/00/00

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ADDITIONS & RENOVATIONS TO: EMS STATION #30 2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188 CHEROKEE COUNTY BOARD OF COMMISSIONERS



SHEET INDEX ELECTRICAL NOTES, LEGEND, & SPECIFICATIONS

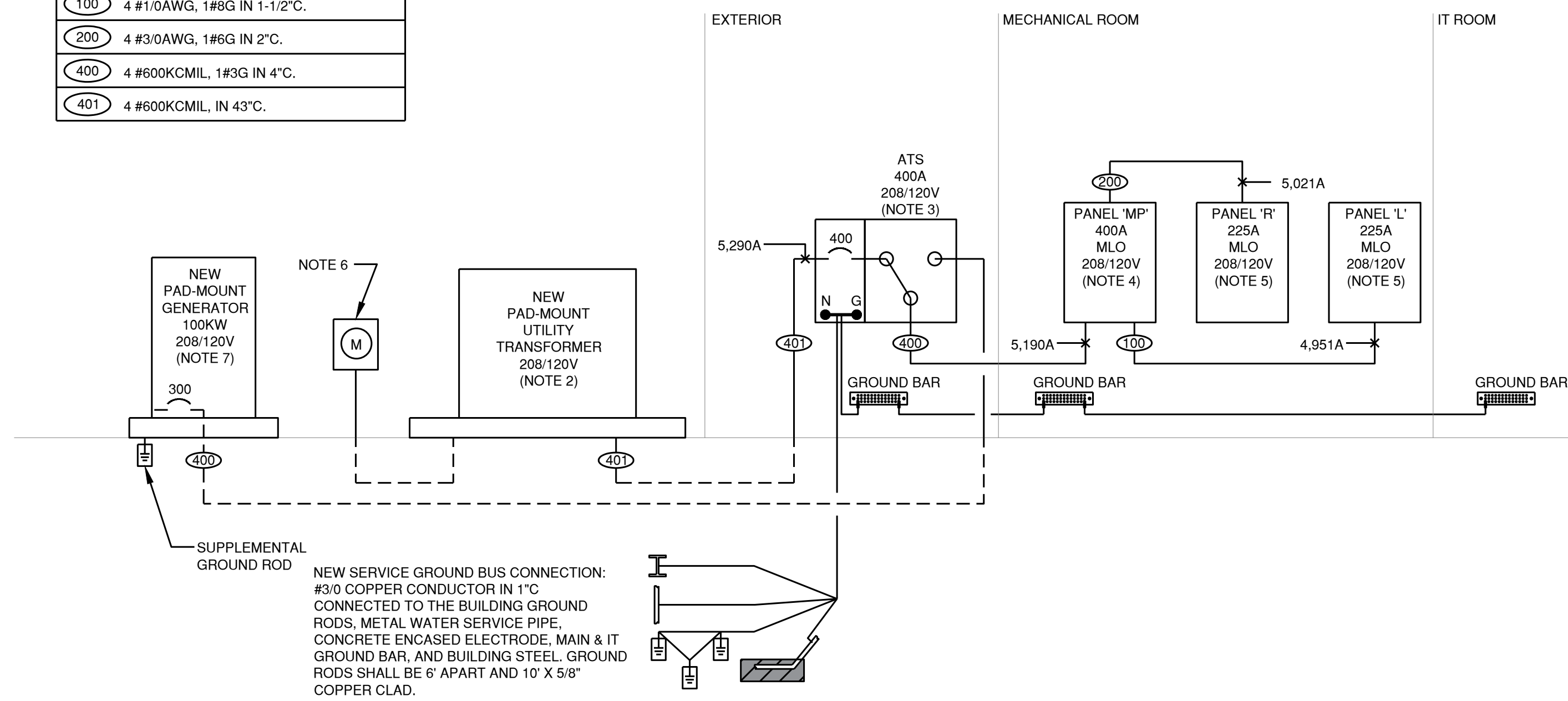
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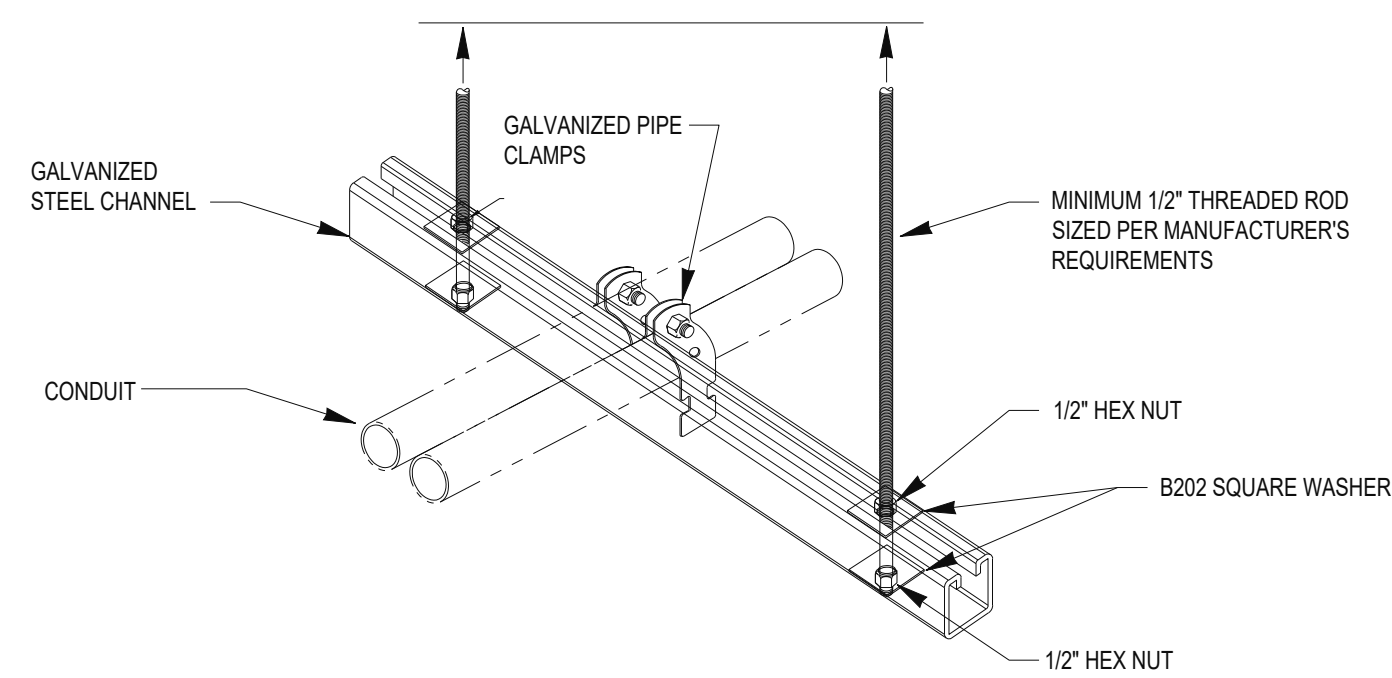
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FEEDER SCHEDULE	
100	4 #1/0AWG, 1#6G IN 1-1/2" C.
200	4 #3/0AWG, 1#6G IN 2" C.
400	4 #600KCMIL, 1#3G IN 4" C.
401	4 #600KCMIL, IN 43" C.



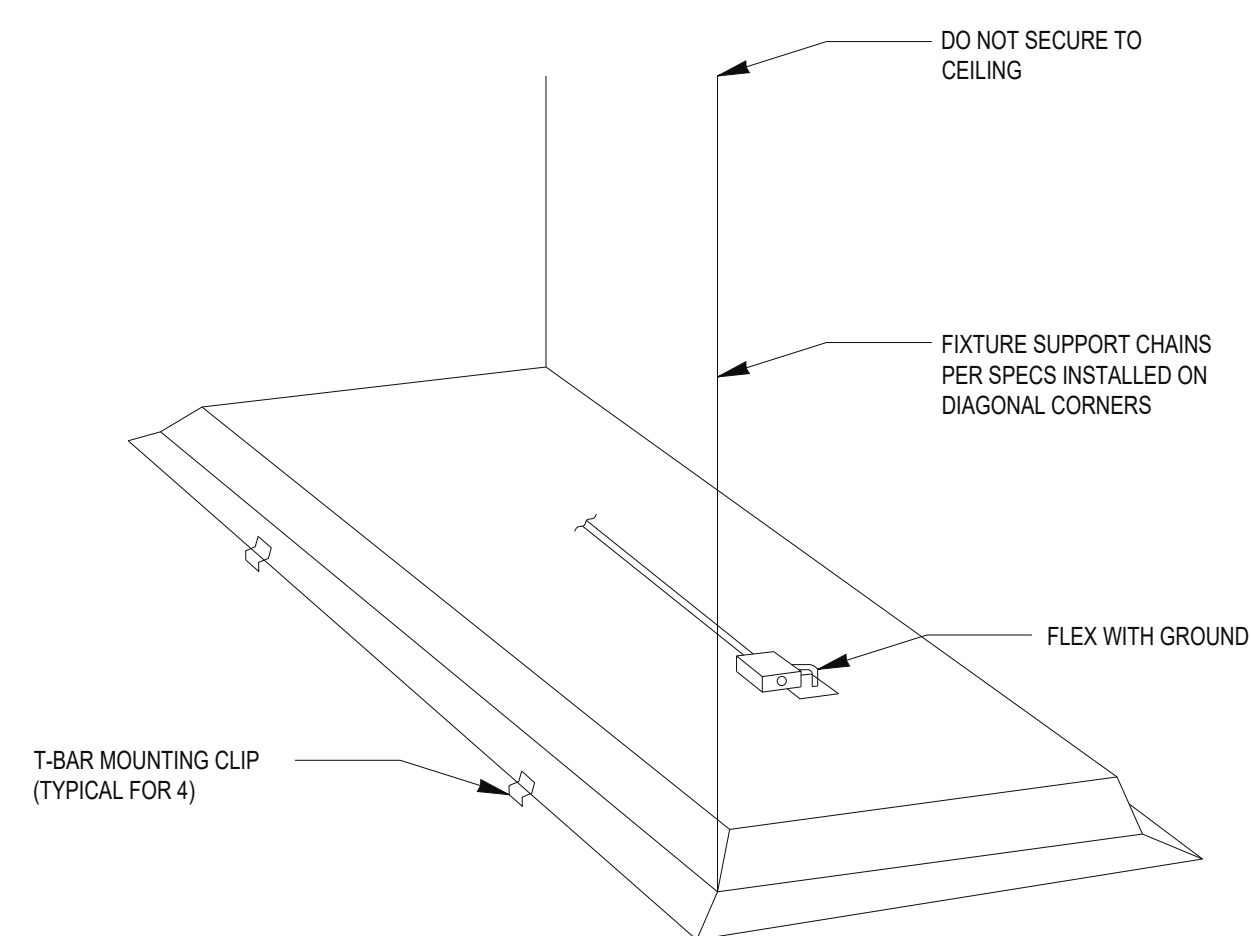
### 1 ELECTRICAL RISER DIAGRAM

SCALE: NTS



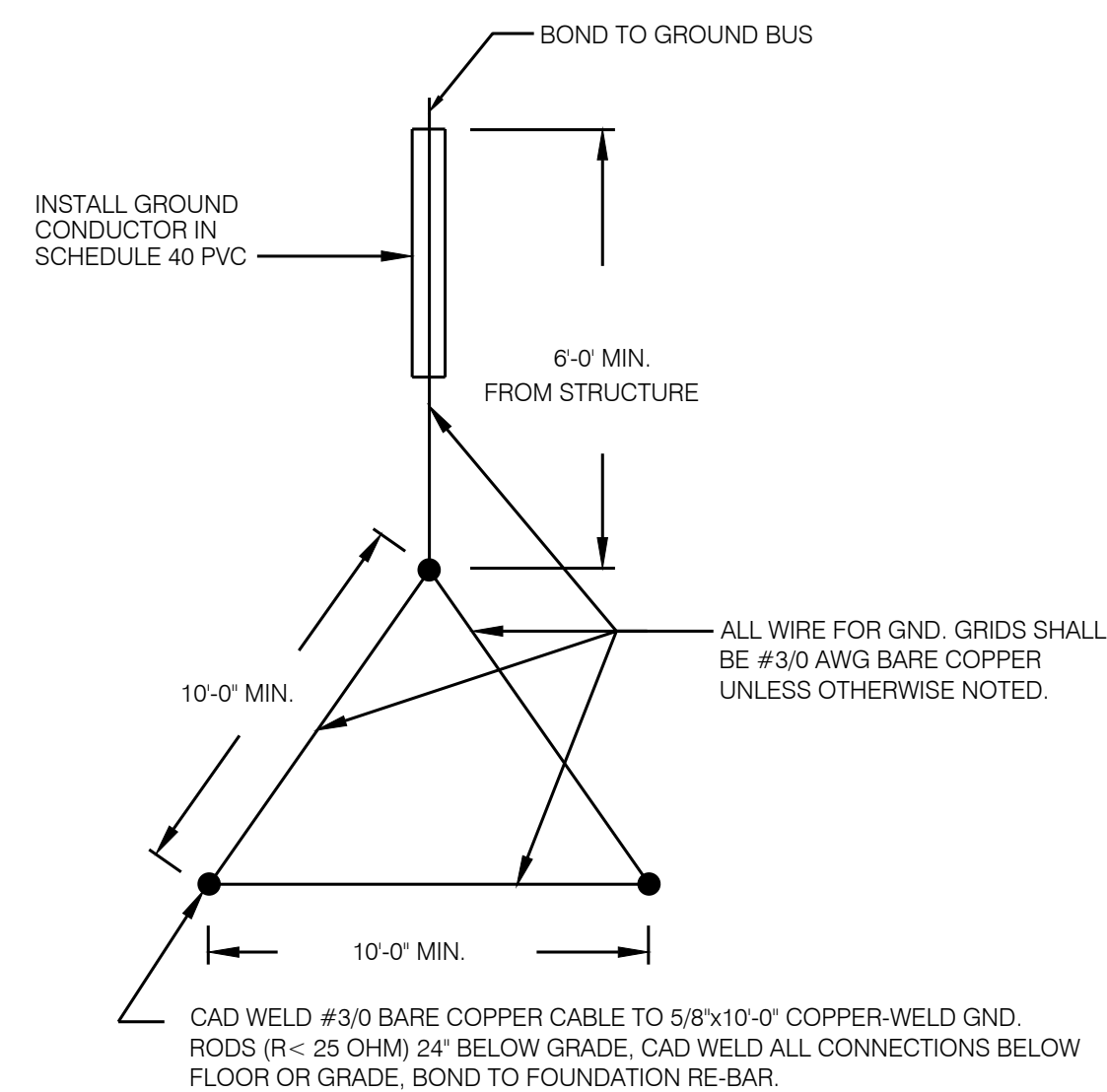
### 2 CONDUIT HANGING DETAIL

SCALE: NTS



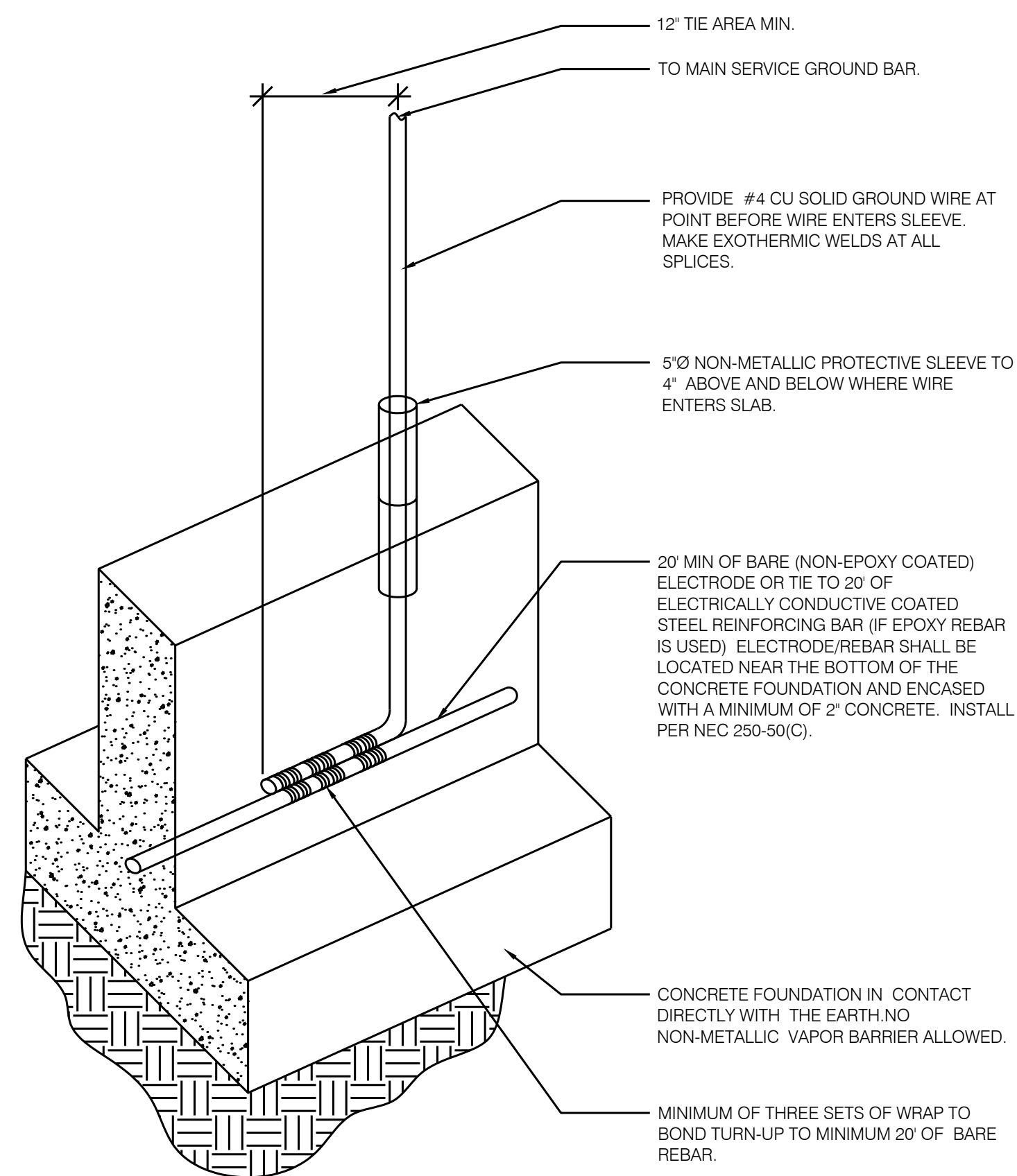
### 3 TROFFER HANGING DETAIL

SCALE: NTS



### 4 GROUNDING TRIAD DETAIL

SCALE: NTS



### 5 CONCRETE ENCASED ELECTRODE GROUNDING DETAIL

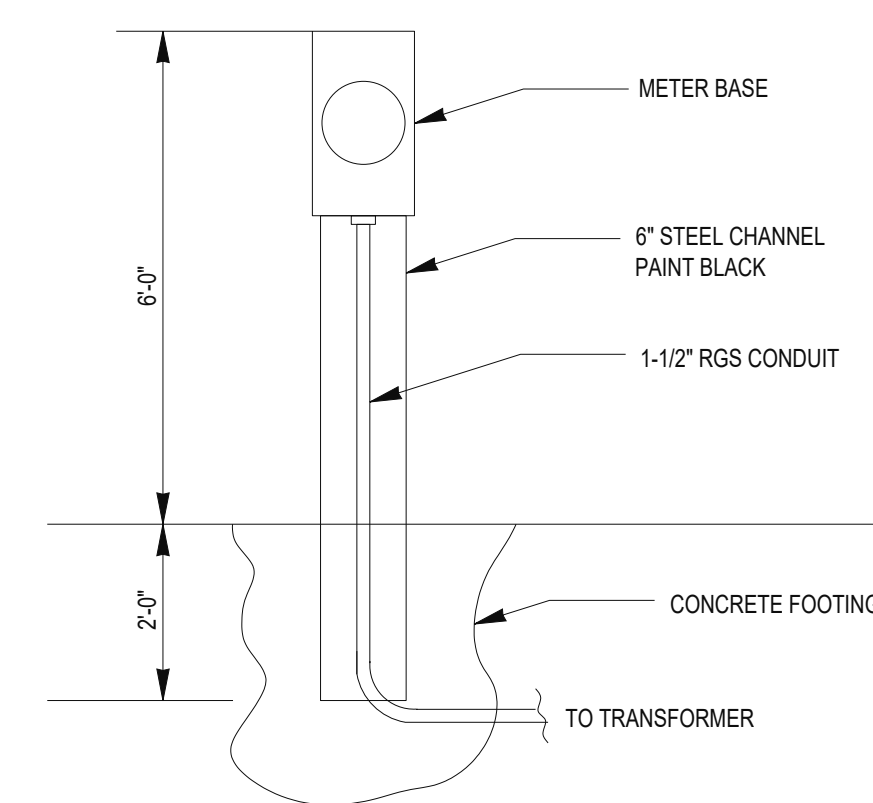
SCALE: NTS

### NEW ELECTRICAL RISER GENERAL NOTES:

- ELECTRICAL SERVICE AND INSTALLATION SHALL CONFORM TO THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE, APPLICABLE STATE AND LOCAL CODES, AND LOCAL UTILITY REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF THE SERVICE WITH THE UTILITY COMPANY PRIOR TO BID. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATIONS AND REQUIREMENTS OF TRANSFORMERS, POLES, SERVICE EQUIPMENT AND OBTAIN ALL NECESSARY APPROVALS FROM THE UTILITY COMPANY PRIOR TO COMMENCEMENT OF WORK. UTILITIES SHOWN ON DRAWINGS ARE TO BE USED AS A GUIDELINE ONLY AND MAY NOT NECESSARILY BE APPROVED. FINAL APPROVALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL COORDINATE ALL CONDUIT ROUTING WITH OTHER TRADES PRIOR TO ROUGH IN TO DETERMINE ROUTES THAT WILL NOT INTERFERE WITH OTHER TRADES.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES. REFER TO ARCHITECTURAL, MECHANICAL, AND CIVIL DRAWINGS IN ORDER TO BE AWARE OF CONDITIONS AFFECTING ELECTRICAL WORK.
- CONTRACTOR SHALL COORDINATE ALL MECHANICAL EQUIPMENT CONNECTIONS WITH MECHANICAL CONTRACTOR AND EQUIPMENT SUBMITTALS PRIOR TO ROUGH IN FOR EXACT LOCATIONS, CIRCUITS SIZES, AND BREAKER REQUIREMENTS.
- FOR EACH PANELBOARD INSTALLED, SPACE EQUAL TO THE WIDTH AND DEPTH EXTENDING THE FLOOR TO 6'-0" ABOVE THE PANEL OR STRUCTURAL CEILING, WHICHEVER IS LOWER, SHALL BE DEDICATED FOR ELECTRICAL EQUIPMENT INSTALLATION ONLY.
- ALL SUPPORTS, BOLTS, STRAPS, SCREWS AND SO FORTH SHALL BE OF CORROSION-RESISTANT MATERIALS OR PROTECTED AGAINST CORROSION.
- RACEWAY AND CONDUIT EXPOSED TO DIFFERING TEMPERATURES SHALL BE FILLED OR SEALED TO PREVENT THE CIRCULATION OF AIR AND FORMATION OF CONDENSATION.
- PROVIDE ENGRAVED NAME PLATES FOR EACH PANEL AND DISCONNECT INDICATING NAME AND FEEDER SOURCE AND AFFIX TO EQUIPMENT. PROVIDE TYPE-WRITTEN PANEL SCHEDULES FOR EACH PANELBOARD AND AFFIX TO INTERIOR PANEL DOOR.
- ALL FEEDERS SHOWN ARE COPPER IN CONDUIT WITH THIN/THW INSULATION. ALL HOMERUNS ARE TO BE IN EMT CONDUIT. FLEXIBLE CONDUIT SHALL BE LIMITED TO RUNS OF 10'-0" FROM JUNCTION BOX TO DEVICE.
- PROVIDE THE UTILITY PROVIDED FAULT CURRENT, PRINT ON LABEL, AND AFFIX TO SERVICE DISCONNECT. VALUES SHOWN ARE CALCULATED BASED ON A 150KVA UTILITY TRANSFORMER.

### NEW ELECTRICAL RISER NOTES:

- ALL EQUIPMENT SHOWN IN THIS NEW RISER DIAGRAM IS NEW AND TO BE PURCHASED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- COORDINATE ALL REQUIREMENTS FOR NEW ELECTRICAL SERVICE WITH THE LOCAL UTILITY AND CIVIL ENGINEER.
- PROVIDE NEW SERVICE ENTRANCE RATED AUTOMATIC TRANSFER SWITCH (ATS) AND LOCATE IN THE ELECTRICAL ROOM. ATS SHALL BE 3-POLE WITH SOLID NEUTRAL, RATED FOR 400A/208V/3PH AND HAVE OVERCURRENT PROTECTION ON INPUT FEEDER. ATS TO BE BY SAME MANUFACTURER AS GENERATOR.
- PROVIDE NEW 400A/208V/3PH MAIN LUG ONLY PANELBOARD WITH COPPER BUS THAT UTILIZES BOLT-ON BREAKERS. PANEL SHALL BE SQUARE D I-LINE OR EQUAL.
- PROVIDE NEW 225A/208V/3PH MAIN LUG ONLY PANELBOARD WITH COPPER BUS THAT UTILIZES BOLT-ON BREAKERS.
- PROVIDE METERBASE FOR NEW SERVICE AND LOCATE AT UTILITY TRANSFORMER OR AS DIRECTED BY UTILITY. SEE METERBASE MOUNTING DETAIL ON THIS SHEET FOR FURTHER REQUIREMENTS.
- PROVIDE NEW GENERAC 100KW DIESEL GENERATOR 208V/3PH WITH A 300A OUTPUT BREAKER IN A WEATHERPROOF STEEL ENCLOSURE WITH BAKED ON POWDER COAT FINISH. PROVIDE BATTERY CHARGER, REMOTE ANNUNCIATOR, AND BELLY MOUNTED 350 GALLON DIESEL FUEL TANK. PROVIDE CONCRETE BASE 6" LARGER THAN GENERATOR ALL THE WAY AROUND.



### 6 METERBASE DETAIL

SCALE: NTS

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SHEET INDEX  
ELECTRICAL DETAILS

SHEET INDEX

E2.0

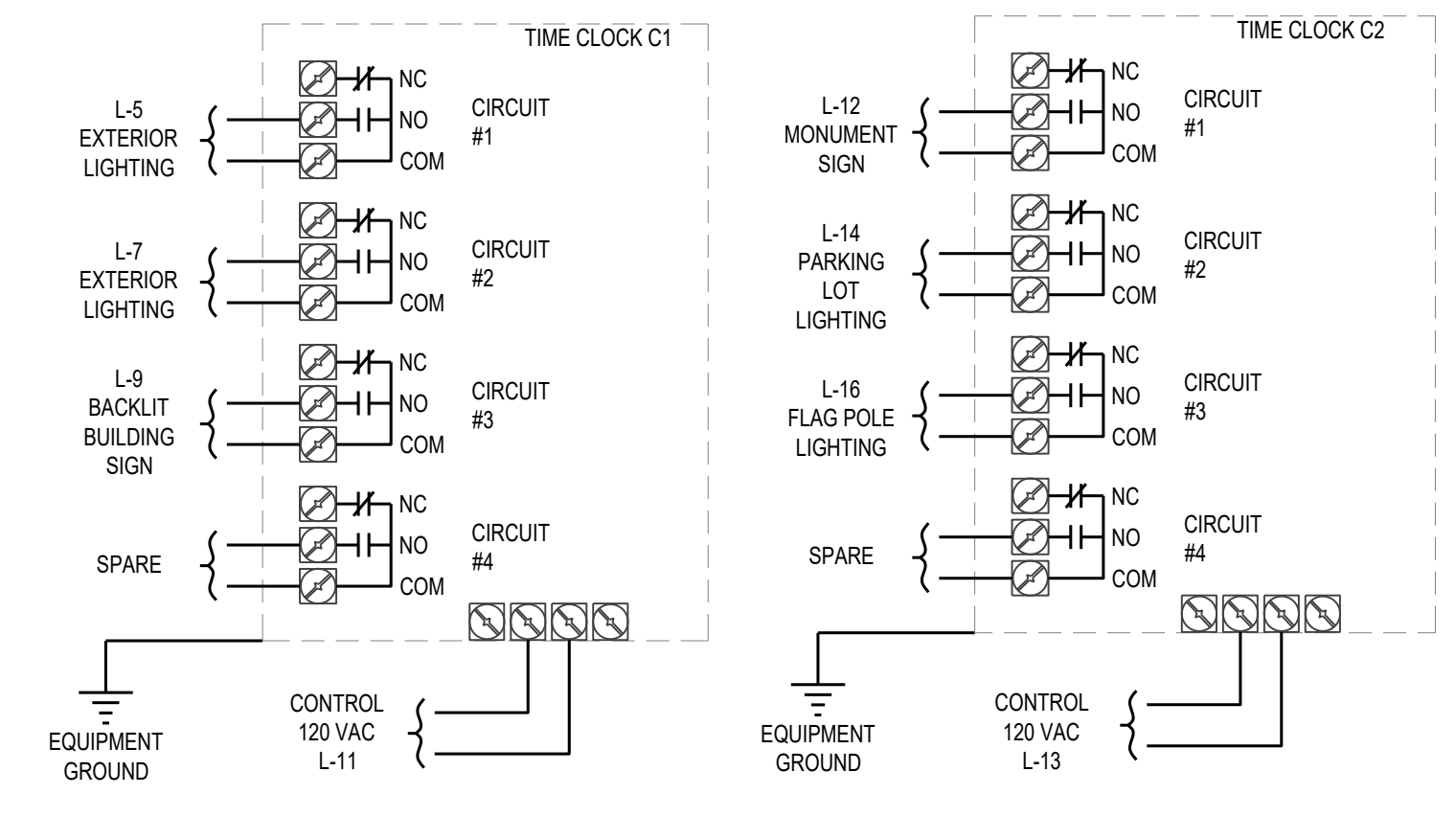
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**LIGHTING GENERAL NOTES:**

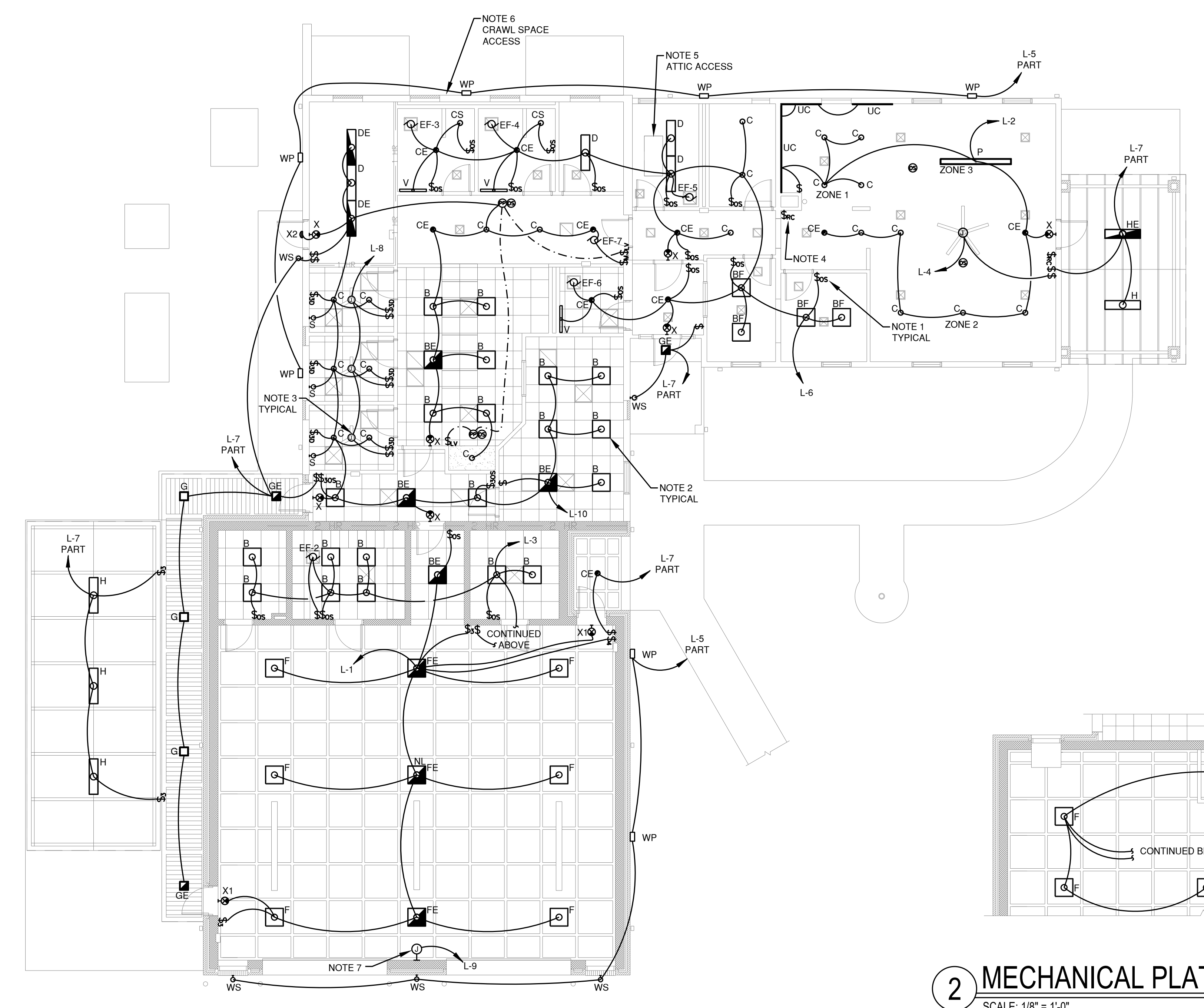
- PROVIDE NON-CONTACTORED, NON-SWITCHED HOT CONDUCTOR OF SAME CIRCUIT TO EACH EXIT SIGN AND EMERGENCY BATTERY.
- FIXTURES SHOWN ARE IDENTIFIED IN THE FIXTURE SCHEDULE. THE FIXTURE SCHEDULE IS BASIS OF DESIGN.
- ALL EXTERIOR FIXTURES SHALL BE WET LISTED. PROVIDE TIME CLOCKS SCHEDULE FOR CONTROL OF EXTERIOR LIGHTING. PARKING LOT FIXTURES SHALL BE FITTED WITH A PHOTOCELL ON EACH FIXTURE HEAD.
- SEE LIGHTING CONTROL NOTES ON SHEET E1.0 AND PROVIDE SUBMITTAL TO ENGINEER INCLUDING ALL DEVICES, NOTED OWNER TRAINING, AND WARRANTY. ROOMS WITH POWER-PACKS "PP" ARE TO HAVE LOW VOLTAGE CONTROLS AND SENSORS. ROOMS WITH OUT POWER-PACKS ARE TO HAVE LINE VOLTAGE CONTROLS. NOTE ALL ROOMS WITH DIMMER SWITCHES "SD" SHALL HAVE ADDITIONAL CONTROL CONDUCTORS FOR 0-10V DIMMING INCLUDED TO EACH FIXTURE. THESE ADDITIONAL WIRES ARE NOT SHOWN ON THE PLANS. PROVIDE ALL NECESSARY CONTROL CONDUCTORS FOR DIMMED FIXTURES.

**LIGHTING KEY NOTES:**

- OFFICES SHALL HAVE A LINE VOLTAGE CEILING MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSOR FOR CONTROL. PROVIDE 0-10V WALL DIMMER AND LOW VOLTAGE CONTROL WIRE TO EACH FIXTURE IN THE ROOM. ENSURE DIMMER SWITCH IS COMPATIBLE WITH FIXTURES PURCHASED.
- SEE TROFFER HANGING DETAIL ON SHEET E0-1 FOR FURTHER REQUIREMENTS.
- PROVIDE RECESSED JUNCTION BOX CENTERED BETWEEN DOWNLIGHTS IN EACH BUNK ROOM FOR CEILING FAN PROVIDED MECHANICAL CONTRACTOR. PROVIDE A WALL-MOUNTED RECESSED JUNCTION BOX FOR SWITCH INCLUDED WITH FAN. LOCATE SWITCH AT ENTRY DOOR. PROVIDE BRANCH CIRCUIT SHOWN AND COORDINATE WITH EQUIPMENT PROVIDER ON INSTALLATION REQUIREMENTS.
- PROVIDE ROOM CONTROLLER FOR DAY ROOM AND KITCHEN WITH 4-ZONES. EACH ZONE SHALL BE DIMMABLE. CONTROLLER SHALL CONSIST OF TWO CONTROL STATIONS, ONE AT EACH ENTRY DOOR. PROVIDE 0-10V OR LINE VOLTAGE DIMMING TO EACH ZONE AS REQUIRED. INTEGRATE OCCUPANCY SENSOR(S) FOR AUTOMATIC SHUTOFF.
- PROVIDE (1) GFCI RECEPTACLE, (1) SWITCH, AND (3) D-FIXTURES IN THE ATTIC. RECEPTACLE AND SWITCH SHALL BE AT THE ATTIC ENTRY POINT. COORDINATE LIGHTING LOCATIONS WITH STRUCTURE AND ENSURE ACCESSIBLE LOCATIONS/PATHWAYS ARE ILLUMINATED.
- PROVIDE (1) GFCI RECEPTACLE, (1) SWITCH, AND (3) D-FIXTURES IN THE CRAWL SPACE. RECEPTACLE AND SWITCH SHALL BE AT THE CRAWL SPACE ENTRY POINT. COORDINATE LIGHTING LOCATIONS WITH STRUCTURE AND ENSURE ACCESSIBLE LOCATIONS/PATHWAYS ARE ILLUMINATED.
- PROVIDE LED TAPE LIGHT, CUT TO FIT, AND MOUNT TO BACK OF EACH LETTER AND FACILITY NUMBER. PROVIDE DRIVERS AND ALL CONNECTIONS. MOUNT DRIVERS IN ATTIC ABOVE BAY CEILING. PROVIDE ALL NECESSARY CONNECTIONS, DRIVERS, ETC. ROUTE THROUGH TIME CLOCK C1 FOR CONTROL. ROUTE LOW VOLTAGE CABLING THROUGH WALL TO EACH LETTER/NUMBER AND MINIMIZE VISIBILITY ON EXTERIOR.



**3 TIME CLOCK DETAILS**  
SCALE: NTS



**2 MECHANICAL PLATFORM PLAN**  
SCALE: 1/8" = 1'-0"

**1 ELECTRICAL LIGHTING PLAN**  
SCALE: 1/8" = 1'-0"

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NO.	DATE
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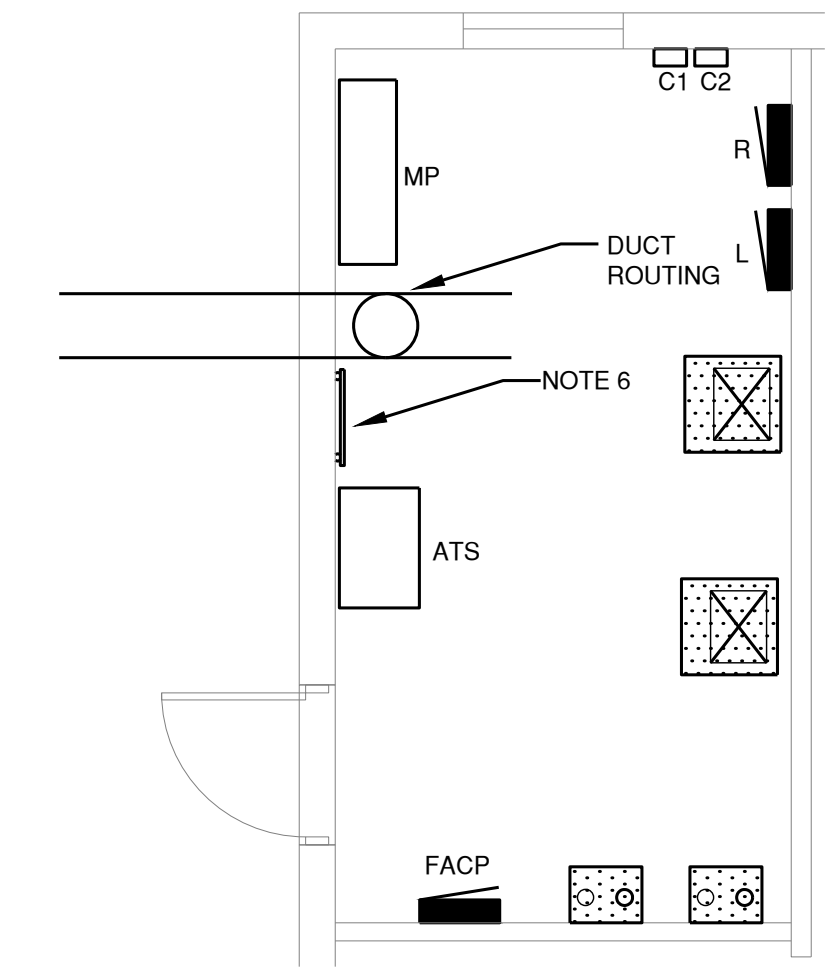


ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS

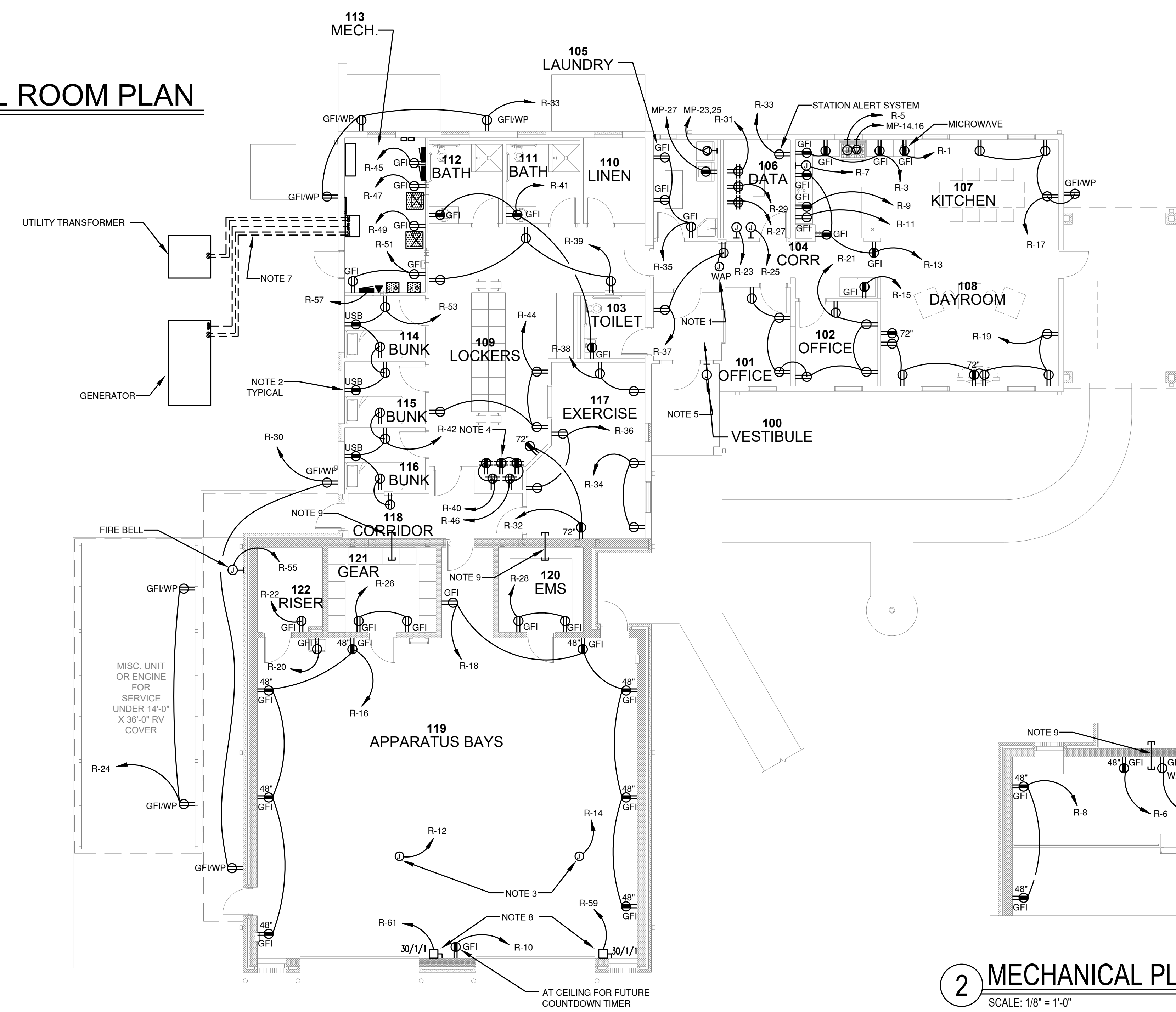


- POWER GENERAL NOTES:**
- ALL 15A/20A RECEPTACLES IN KITCHENS, FOOD PREP AREAS, RESTROOMS, OR ON EXTERIOR SHALL BE GFCI TYPE. GFCI RECEPTACLES SHALL BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 210.8 AND BE READILY ACCESSIBLE. FOR EQUIPMENT THAT WOULD HAVE TO BE MOVED TO RESET THE RECEPTACLE PER THE NEC DEFINITION, A GFCI BREAKER SHALL BE UTILIZED IN LIEU OF A RECEPTACLE.
  - SEE TAMPER-PROOF RECEPTACLE NOTE ON E1.0 AND PROVIDE TAMPER-PROOF RECEPTACLES IN LOCATIONS NOTED.
  - SEE ARC-FAULT BREAKER NOTE ON E1.0 AND PROVIDE ARC-FAULT BREAKERS IN BUNK ROOMS.
  - COORDINATE WITH OWNER/ARCHITECT ON DEVICE/PLATE COLOR THROUGHOUT SUITE PRIOR TO PURCHASE OR INSTALLATION. CONFIRM ALL MOUNTING HEIGHTS AND LOCATIONS.
  - CONDUIT BELOW GRADE SHALL BE SCHEDULE 40 PVC. ALL TRANSITIONS FROM BELOW GRADE TO ABOVE GRADE SHALL BE IN RGS. TRANSITION TO EMT 6" ABOVE SLAB.

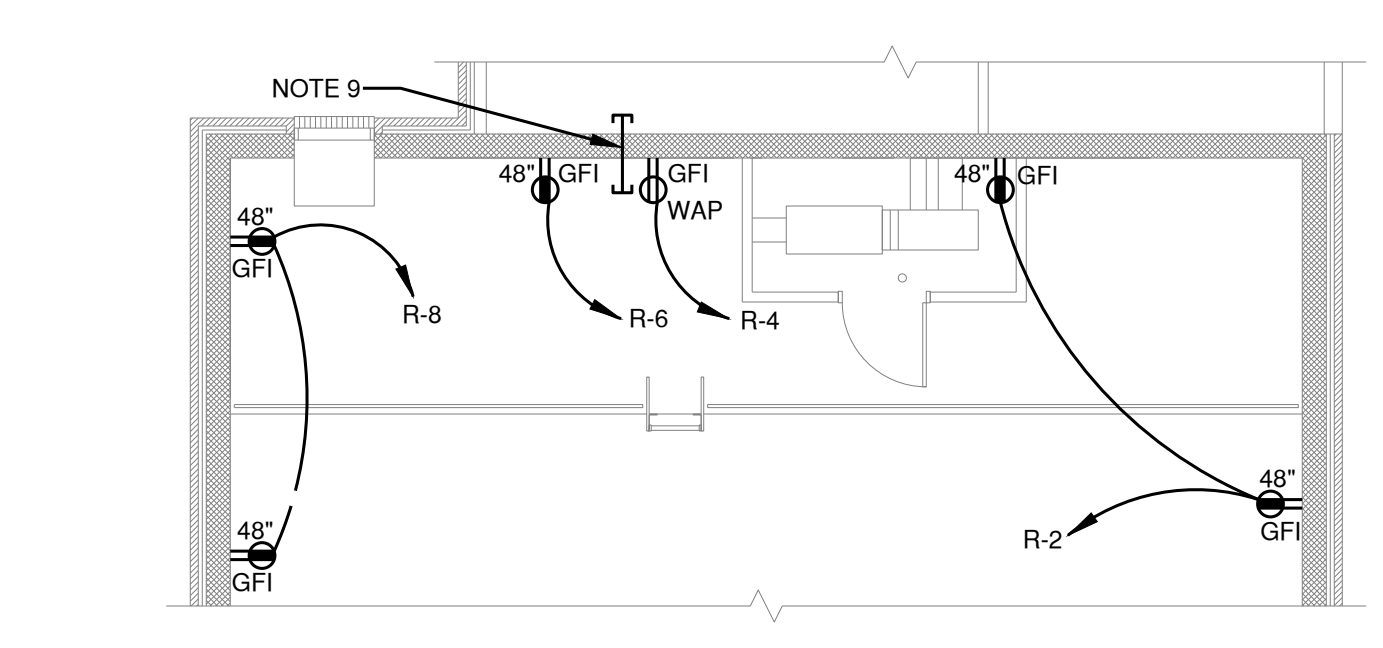
- POWER KEY NOTES:**
- PROVIDE RECEPTACLE FLUSH IN THE CEILING AT EACH WIFI BOOSTER LOCATION. SEE NOTE 13 ON SHEET E6.0 TO CONFIRM LOCATIONS.
  - EACH RECEPTACLE SHOWN AT COUNTER HEIGHT SHALL BE 44" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
  - PROVIDE REELCRAFT MODEL#L45451233A SPRING REWIND CORD REEL WITH 45' CORD, 12AWG/3 CONDUCTORS WITH SINGLE RECEPTACLE. MOUNT CORD REEL TO CEILING. PROVIDE KUSSMAUL 5-20P-H AUTO-EJECT FEMALE CONNECTOR FOR EACH CORD REEL.
  - PROVIDE RECEPTACLE BOTH BELOW AND ABOVE COUNTER TOP.
  - PROVIDE DOORBELL WITH TRANSFORMER MOUNTED IN STOREFRONT FRAME. PROVIDE JUNCTION BOX FOR POWER CONNECTIONS TO TRANSFORMER IN CEILING. REFER TO ARCHITECTURAL PLANS FOR FURTHER REQUIREMENTS.
  - PROVIDE 20" GROUND BAR, CHATSWORTH OR EQUAL. BOND GROUND BAR TO SERVICE ENTRANCE GROUNDING ELECTRODE.
  - PROVIDE PVC CONDUIT BELOW GRADE FROM GENERATOR TO ATS. SEE RISER DIAGRAM FOR FURTHER REQUIREMENTS. PROVIDE (4) 1" PVC CONDUITS FOR GENERATOR CONTROLS AND ANCILLARY POWER REQUIREMENTS.
  - PROVIDE 30A, 120V/1PH DISCONNECT SWITCH FOR MOTORIZED DOORS. MOUNT DISCONNECT SWITCH UP HIGH NEAR DOOR OPERATORS.
  - PROVIDE 1" CONDUIT THROUGH BLOCK WALL FOR CABLE ACCESS. COORDINATE WITH OWNER ON EXACT LOCATION AND MOUNTING HEIGHT.



**3 ENLARGED ELECTRICAL ROOM PLAN**  
SCALE: 1/4" = 1'-0"



**1 ELECTRICAL POWER PLAN**  
SCALE: 1/8" = 1'-0"



**2 MECHANICAL PLATFORM PLAN**  
SCALE: 1/8" = 1'-0"

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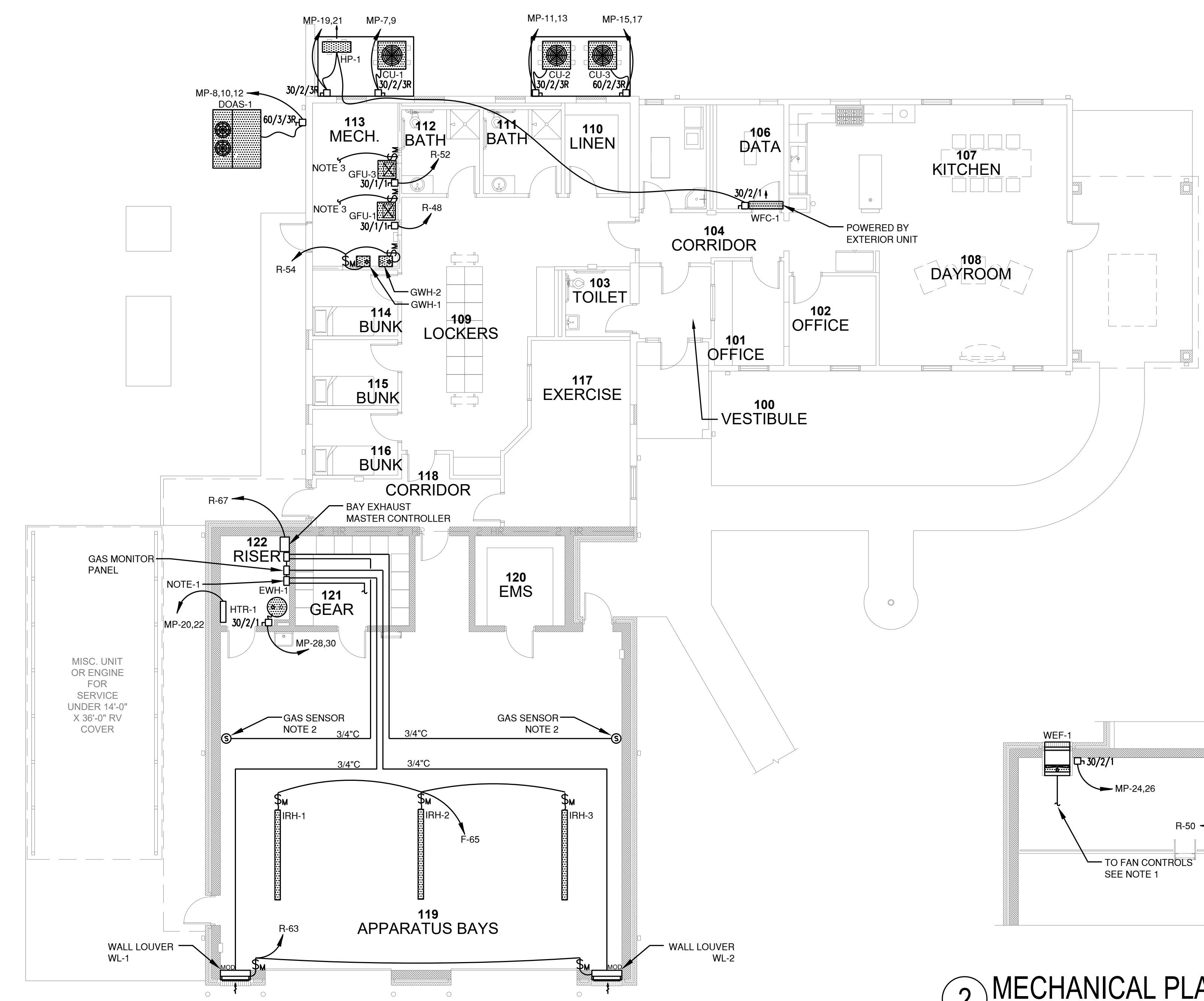
**MECHANICAL POWER GENERAL NOTES:**

A. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL MECHANICAL AND PLUMBING EQUIPMENT ELECTRICAL REQUIREMENTS WITH THOSE CONTRACTORS ON EQUIPMENT PURCHASED AS IT MAY DIFFER FROM THESE PLANS. PROVIDE MANUFACTURER'S RECOMMENDED FEEDER, OVERCURRENT PROTECTION, AND DISCONNECT FOR EQUIPMENT PURCHASED WITH NO ADDITIONAL COST TO THE OWNER.

B. ALL 15A/20A RECEPTACLES IN KITCHENS, FOOD PREP AREAS, RESTROOMS, OR ON EXTERIOR SHALL BE GFCI TYPE.

**MECHANICAL POWER KEY NOTES:**

- COORDINATE WITH EQUIPMENT PROVIDER ON APPARATUS BAY EXHAUST FAN CONTROL SYSTEM. FANS HAVE MOTOR STARTERS, VARIOUS SENSORS, AND A CONTROLLER. ELECTRICAL CONTRACTOR IS TO PROVIDE EMT CONDUIT BETWEEN EACH SENSOR, STARTER, FAN, AND CONTROLLER ALONG WITH ALL POWER CONDUCTORS AND MAKE ALL TERMINATIONS. CONTROL CABLING AND TERMINATION BY OTHERS. ALL CONDUIT SHALL BE WITHIN WALLS OR ABOVE CEILING AND ALL JUNCTION BOXES SHALL BE RECESSED IN THE WALL OR CEILING, WHERE EQUIPMENT IS ON A CONCRETE BLOCK WALL, SURFACE-MOUNT CONDUIT BOXES IS ACCEPTABLE.
- PROVIDE JUNCTION BOX AS SHOWN FOR GAS MONITOR SENSOR. PROVIDE 3/4" CONDUIT FROM SENSOR TO GAS MONITOR PANEL. EACH LOCATION SHOWN HAS A HIGH AND LOW SENSOR EACH REQUIRING A JUNCTION BOX AND CONDUIT TO GAS MONITOR PANEL. COORDINATE WITH EQUIPMENT PROVIDER ON REQUIREMENTS.
- PROVIDE MOTOR RATED SWITCH SHOWN ON WALL, LOCATED ADJACENT TO HVAC UNIT FOR UV LIGHT, BPI, AND CONDENSATE PUMP AS APPLICABLE TO EACH UNIT. UTILIZE RECEPTACLE AT EACH UNIT FOR POWER TO THE SWITCH.



**2 MECHANICAL PLATFORM PLAN**  
SCALE: 1/8" = 1'-0"

**1 MECHANICAL POWER PLAN**  
SCALE: 1/8" = 1'-0"

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**SYSTEMS GENERAL NOTES:**

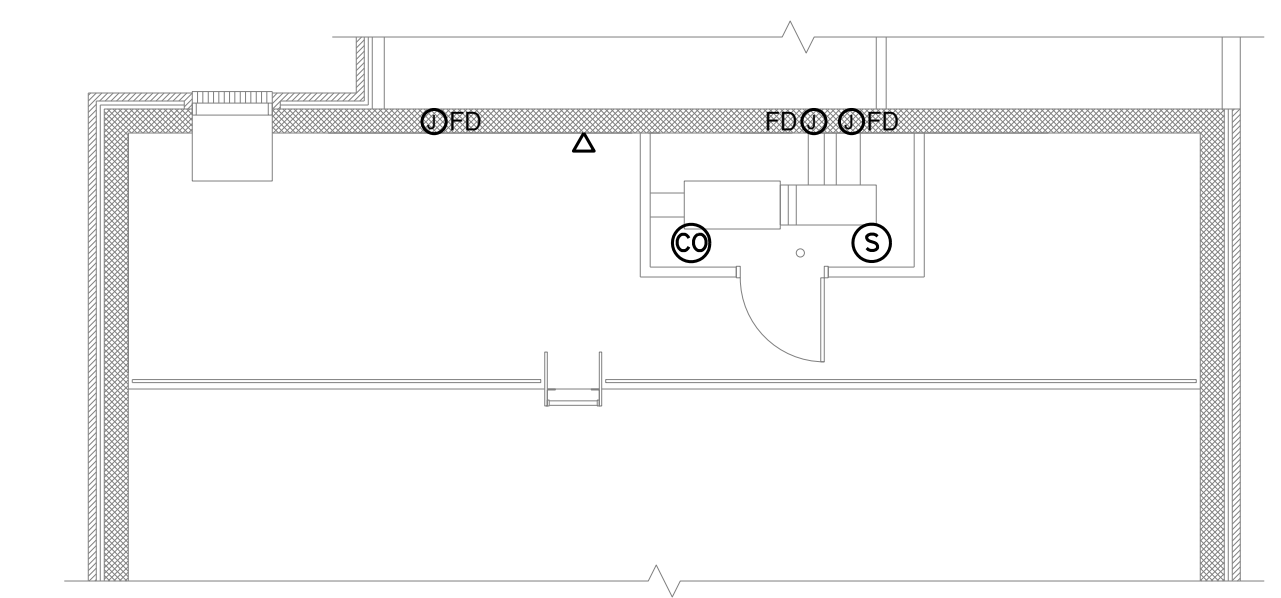
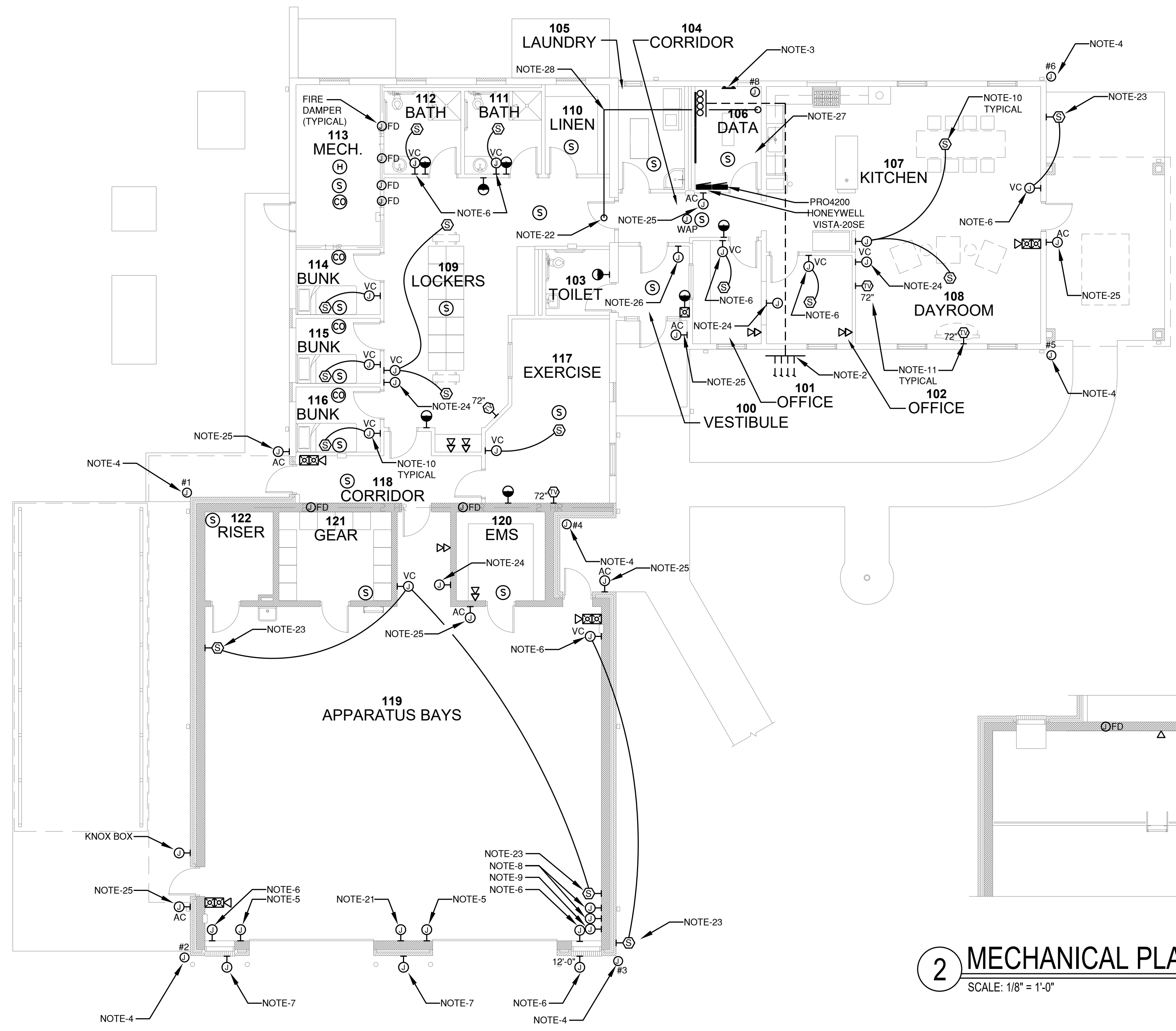
- CONTRACTOR TO PROVIDE ALL LOW VOLTAGE CABLING. ALL HOME RUNS FOR DATA CABLE SHALL BE CAT6 AND TERMINATE IN NEW DATA RACK. PROVIDE NUMBERING SCHEME AND AFFIX LABEL AT BOTH CABLE ENDS AND COVER PLATE. TERMINATE ENDS ON ALL CABLES. LABELS SHALL BE TYPE WRITTEN, PERMANENT TYPE LABELS. SEE SPECIFICATION 16120 FOR COUNTY STANDARDS AND REQUIREMENTS.
- COORDINATE ALL LOW VOLTAGE REQUIREMENTS, CABLING, TERMINATIONS, AND EXACT LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
- ALL DATA DROPS ARE TO INCLUDE THREE (3) CAT6 CABLES IN EACH BOX UNLESS NOTED OTHERWISE BELOW IN THE NOTES. PROVIDE COVER PLATES WITH MULTIPLE CONNECTIONS. PROVIDE (1) BLUE CABLE, (1) WHITE CABLE, & (1) GRAY CABLE.
- ALL DATA JUNCTION BOXES SHALL HAVE A 1-1/4" CONDUIT STUBBED ABOVE FINISHED CEILING IN AN ACCESSIBLE LOCATION.
- FOR EACH TELEVISION MOUNTED ON THE WALL, PROVIDE 1-1/4" CONDUIT BETWEEN TELEVISION AND JUNCTION BOX MOUNTED AT 18" AFF. PROVIDE HDMI CABLE BETWEEN BOXES AND COVER PLATE WITH FEMALE HDMI CONNECTIONS.
- ALL CAMERA DATA CABLES SHALL BE YELLOW. ALL WIFI DATA CABLES SHALL BE GREEN. ALL SINGLE DROPS SHALL BE BLUE INCLUDING TV DISPLAYS, DUCT DETECTORS, FACP, ETC.
- CONTRACTOR IS TO PROVIDE EQUIPMENT LISTED ON THIS SHEET. COORDINATE WITH OWNER ON THIS EQUIPMENT PRIOR TO PURCHASE.

**SYSTEMS KEY NOTES:**

- PROVIDE (2) 4" X 8" X 3/4" FIRE RESISTANT PLYWOOD BACKBOARD PAINTED GRAY FOR TELEPHONE SYSTEM. CONNECT #6 AWG, INSULATED, STRANDED, COPPER GROUND WIRE FROM TELEPHONE SYSTEM TO GROUND BUS AT MAIN PANEL.
- ROUTE (4) - 4" PVC CONDUITS BELOW GRADE TO PROPERTY LINE. PROVIDE PULL STRING, AND CAP BOTH ENDS. COORDINATE WITH SERVICE PROVIDER AND OWNER ON EXACT REQUIREMENTS.
- PROVIDE CHARTSWORTH COPPER GROUND BAR, 4" X 20" X 1/4", PART NUMBER 40158-020 WITH ISOLATION STANDOFFS AND LUG KIT, MOUNT TO WALL, 12" ABOVE FINISHED FLOOR. SEE GROUNDING DETAIL ON SHEET E2.0 FOR FURTHER REQUIREMENTS.
- PROVIDE CAMERA BACKBOX, RECESSED AND 1-1/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING FOR CAMERAS. COORDINATE WITH OWNER ON REQUIREMENTS AND MOUNTING LOCATION. PROVIDE AND TERMINATE ONE (1) CAT6 CABLE TO EACH CAMERA FROM NEW DATA RACK. SEE CONTRACTOR PROVIDED EQUIPMENT FOR SPECIFICATIONS.
- PROVIDE SINGLE-GANG JUNCTION BOX MOUNTED AT 4'-0" AFF AND 3/4" CONDUIT ROUTED BACK TO IT ROOM.
- PROVIDE 4" JUNCTION BOX AND 3/4" CONDUIT ROUTED TO IT ROOM FOR SPEAKER. SPEAKER SHALL BE ORIGIN ACOUSTICS D65 IN-CEILING LOUDSPEAKER, MAGNETIC GRILL TO BE PAINTED.
- CONTRACTOR TO INSTALL VENDOR SUPPLIED APPARATUS BAY DOOR ANTENNA RECEIVER ON EXTERIOR WALL NEXT TO DOOR FRAME. PROVIDE RECESSED JUNCTION BOX AND CONDUIT AS REQUIRED AND COORDINATED WITH VENDOR.
- APPARATUS BAY REMOTE DOOR CONTROL STATION, TYPICAL OF (2). CONTRACTOR TO PROVIDE CONTROL BOX ALONG WITH WIRING AND CONDUIT FOR REMOTE APPARATUS BAY DOOR CONTROL PUSHBUTTONS. PROVIDE 3/4" CONDUIT FROM REMOTE CONTROL BOX TO ASSOCIATED APPARATUS BAY DOOR CONTROLLERS. EACH CONTROL BOX SHALL BE INSTALLED ON WALL AT 5'-0" AFF. ONE CONTROL BOX SHALL HAVE UP / DOWN CONTROLS FOR THE FRONT DOORS AND ONE CONTROL BOX SHALL HAVE UP / DOWN CONTROLS FOR THE REAR DOORS. PROVIDE ADDITIONAL DRY CONTACTS AS REQUIRED FOR CONTROL SYSTEM. PROVIDE ALL POWER AND CONTROL CONDUCTORS IN CONDUIT AS REQUIRED AND COORDINATED WITH EQUIPMENT VENDOR.
- PROVIDE RECESSED SINGLE-GANG JUNCTION BOX AND 3/4" CONDUIT ROUTED TO IT ROOM AND MOUNT 12'-0" AFF.
- FOR EACH VOLUME CONTROL, VC, PROVIDE 100W SINGLE GANG STAINLESS STEEL 70.7V COMMERCIAL ATTENUATOR #AT100 TO CONTROL SPEAKER SHOWN.
- FOR EACH TELEVISION SHOWN, PROVIDE 4" RECESSED JUNCTION BOX IN WALL AT 6'-0" AFF, 4" RECESSED JUNCTION BOX 18" AFF, 3/4" CONDUIT BETWEEN JUNCTION BOXES, AND 3/4" CONDUIT FROM TELEVISION BOX TO IT ROOM. PROVIDE RG6 CABLING BETWEEN IT ROOM AND TELEVISION JUNCTION BOX, LABEL AND TERMINATE BOTH ENDS OF EACH CABLE. PROVIDE HDMI CABLE BETWEEN JUNCTION BOXES AND PROVIDE COVER PLATES TO ACCOMMODATE EACH CABLE TYPE.
- PROVIDE SINGLE-GANG JUNCTION BOX MOUNTED IN WALL AT 4'-0" AFF AND 3/4" CONDUIT ROUTED TO IT ROOM FROM EACH BUNK ROOM.
- PROVIDE JUNCTION BOX ABOVE CEILING FOR NETWORK ACCESS POINT FOR WIFI, DATA DROPS, AND AUDIO VISUAL CABLING. PROVIDE 1" CONDUIT BACK TO IT ROOM. DO NOT INSTALL ANY WIFI DEVICES, BY OWNER.
- PROVIDE AND INSTALL BUTTON AND CONTROLS TO UNLOCK LOBBY DOOR FROM WATCH OFFICE.
- PROVIDE AND INSTALL REMOTE-OPERATED ELECTRIC STRIKE DOOR LOCK. COORDINATE WITH ARCHITECTURAL PLANS ON REQUIREMENTS.
- PROVIDE (1) DATA OUTLET AT 18" AND (1) DATA OUTLET AT 48" RECESSED IN WALL AT EACH DOUBLE DATA OUTLET SHOWN IN WATCH OFFICE.
- PROVIDE CONNECTION TO PIV, SEE CIVIL PLANS FOR LOCATION. PROVIDE 3/4" PVC BELOW GRADE FROM PIV TO FACP.
- PROVIDE RECESSED JUNCTION BOX IN WALL FOR FIRE BELL. CONNECT TO FIRE ALARM CONTROL SYSTEM.
- PROVIDE JUNCTION BOX RECESSED IN WALL AT 12'-0" AFF FOR NETWORK ACCESS POINT FOR WIFI. PROVIDE 1" CONDUIT BACK TO IT ROOM AND RECEPTACLE ADJACENT TO JUNCTION BOX. DO NOT INSTALL ANY WIFI DEVICES, BY OWNER.
- PROVIDE RECESSED JUNCTION BOX IN WALL 6" ABOVE COUNTER FOR OWNER'S RADIO CONNECTION. PROVIDE 2" CONDUIT WITH SWEEPING ELBOWS BACK TO IT ROOM.
- PROVIDE 4" JUNCTION BOX WITH BLANK COVER IN CEILING AND 3/4" CONDUIT BACK TO DATA CLOSET 122 FOR FUTURE OWNER PROVIDED COUNT DOWN TIMERS. PROVIDE PULL STRING.
- PROVIDE A 2" CONDUIT BETWEEN DATA ROOM 122 AND LOCATION SHOWN. CONDUIT SHALL STUB THROUGH ROOF AND INCLUDE A WEATHERHEAD AND BOOT.
- PROVIDE EXTERIOR SPEAKERS WHERE INDICATED, SPECO TECHNOLOGIES 8"X11" WEATHERPROOF SPEAKER WITH TRANSFORMER #SPC30RT.
- PROVIDE RECESSED JUNCTION BOX AT 48" AFF TO TOP OF BOX. ROUTE 3/4" CONDUIT FROM BOX TO IT ROOM. PROVIDE PULL STRING.
- ACCESS CONTROL, AC. PROVIDE AND INSTALL CARD ACCESS READER AND CONNECTION TO ELECTRIC STRIKE DOOR LOCK. COORDINATE WITH ARCHITECTURAL PLANS ON REQUIREMENTS. PROVIDE RACEWAY, JUNCTION BOXES, DEVICES, CIRCUIT R-24 FOR 120V POWER, AND ALL NECESSARY EQUIPMENT REQUIRED FOR OPERATION. SEE SPEC SECTION 28-10-00 FOR CARD ACCESS REQUIREMENTS.
- LOCATION OF 6160 KEYPAD FOR SECURITY SYSTEM. PROVIDE ADDITIONAL CHIME PROGRAMMED TO ANNUNCIATE WHEN FRONT OF REAR DOOR IS OPENED. INTEGRATE DOOR SENSORS, CHIME, AND KEYPAD INTO HONEYWELL VISTA-20SE SECURITY SYSTEM. COORDINATE WITH OWNER ON LOCATION OF CHIME AND DESIRED OPERATION.
- PROVIDE AMPLIFIER FOR SPEAKER SYSTEM, AMP-EPISEDE 70V IP-ENABLED, 2-CHANNEL, 300W, WITH RACK EARS.
- PROVIDE SWEEPING 90-DEGREE BENDS FOR COMMUNICATION CABLES. APPLIES TO ALL BENDS IN CONDUIT RUN.

CONTRACTOR PROVIDED EQUIPMENT	Make	Mfr part Number	Quantity	Note
Floor-mounted 2-post Telco rack	CPI	55053-703	1	Provide the following 3 items in quantities and lengths as directed by owner
Ladder rack	CPI	10250-712		12" ladder rack
Wall angle kit	CPI	11421-712		12" angle kit
Rack mounting plate	CPI	10595-712		Rack mounting plate
Pro License (Cameras)	Valerus	VLR-VPRO-LIC	6	Single Edge Device new license for Vicon Cameras
Protection Plan (Cameras)	Valerus	VLR-PRO-UPP-5	6	
Recording Server (Cameras)	Valerus	VLR-4TB-A-RK	1	4TB internal HDD Storage, Rack mount
Outdoor Bullet Camera	Valerus	V2008B-W310MIR	1	8MP
Outdoor Bullet Camera	Valerus	V22105B-W28IR	5	5MP, true WDR, 2.8 mm Fixed lens, IR
Backbox (Cameras)	Valerus	V2100B-Box	6	
Sound System	AtlasIED		9	Volume Control 100W Single Gang Stainless steel 70.7V Commercial Attenuator #AT100
Sound System	Origin Acoustics	D65-In-Ceiling Loudspeaker	12	Speakers-Origin Acoustics DIRECTOR D65 In-Ceiling Loudspeaker (magnetic grill to be painted)
Sound System	Episode		1	AMP-Episode 70V IP-Enabled Amplifier, 2-channel 300W with rack mount ears
Sound System	Speco Technologies	SPC30RT	4	Outside/Bay Speaker-Speco Technologies 8" x 11" weatherproof speaker with transformer #SPC30RT

\*Equipment noted is for the large components but does not reflect all necessary equipment. Provide all necessary equipment for a fully operational system.



**2 MECHANICAL PLATFORM PLAN**  
SCALE: 1/8" = 1'-0"

**1 ELECTRICAL SYSTEMS PLAN**  
SCALE: 1/8" = 1'-0"

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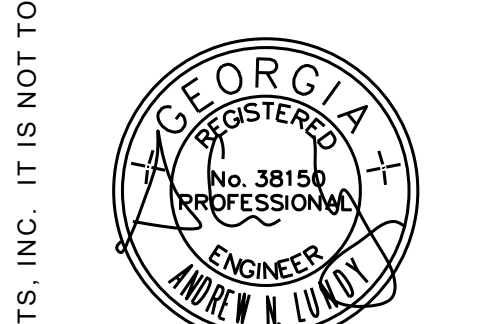


Table with columns: FIXTURE DESIGNATION, GENERIC DESCRIPTION, MANUFACTURER AND CATALOG NUMBER, ALLOWANCE, COLOR, MOUNTING/HEIGHT, VOLTAGE, LAMP, COLOR TEMP, WATTAGE. Rows include B, C, CS, D, F, G, H, J, P, UC, V, WS, WP, X, X1, X2, SA1, SA2, SB, SC.

MECHANICAL EQUIPMENT SCHEDULE table with columns: EQUIPMENT NAME, LOCATION / SERVES, VOLTAGE, PHASE, HP, KW, KW / POLE, FLA, MCA, MOCB, BREAKER AMPACITY, PANEL, FEEDER, SIZE, POLES, FUSE SIZE, ENCLOSURE, CONTROL. Rows include CU-1, CU-2, CU-3, GFU-1, GFU-2, GFU-3, HP-1/WFC-1, DOAS-1, EUH-1, EWH-1, GWH-1, GWH-2, BRI-1, BRI-2, BRI-3, WEF-1, EF-3, EF-4, EF-5, EF-6, EF-7.

NOTES: 1. DISCONNECT SWITCH IS NOT REQUIRED IF UNIT IS PROVIDED WITH DISCONNECT OR IF UNIT HAS CORD/PLUG AND RECEPTACLE.

COMcheck Software Version 4.1.5.5 Interior Lighting Compliance Certificate. Includes Project Information, Allowed Interior Lighting Power table, Proposed Interior Lighting Power table, and Interior Lighting PASSES.

COMcheck Software Version 4.1.5.5 Exterior Lighting Compliance Certificate. Includes Project Information, Allowed Exterior Lighting Power table, Proposed Exterior Lighting Power table, and Exterior Lighting PASSES.

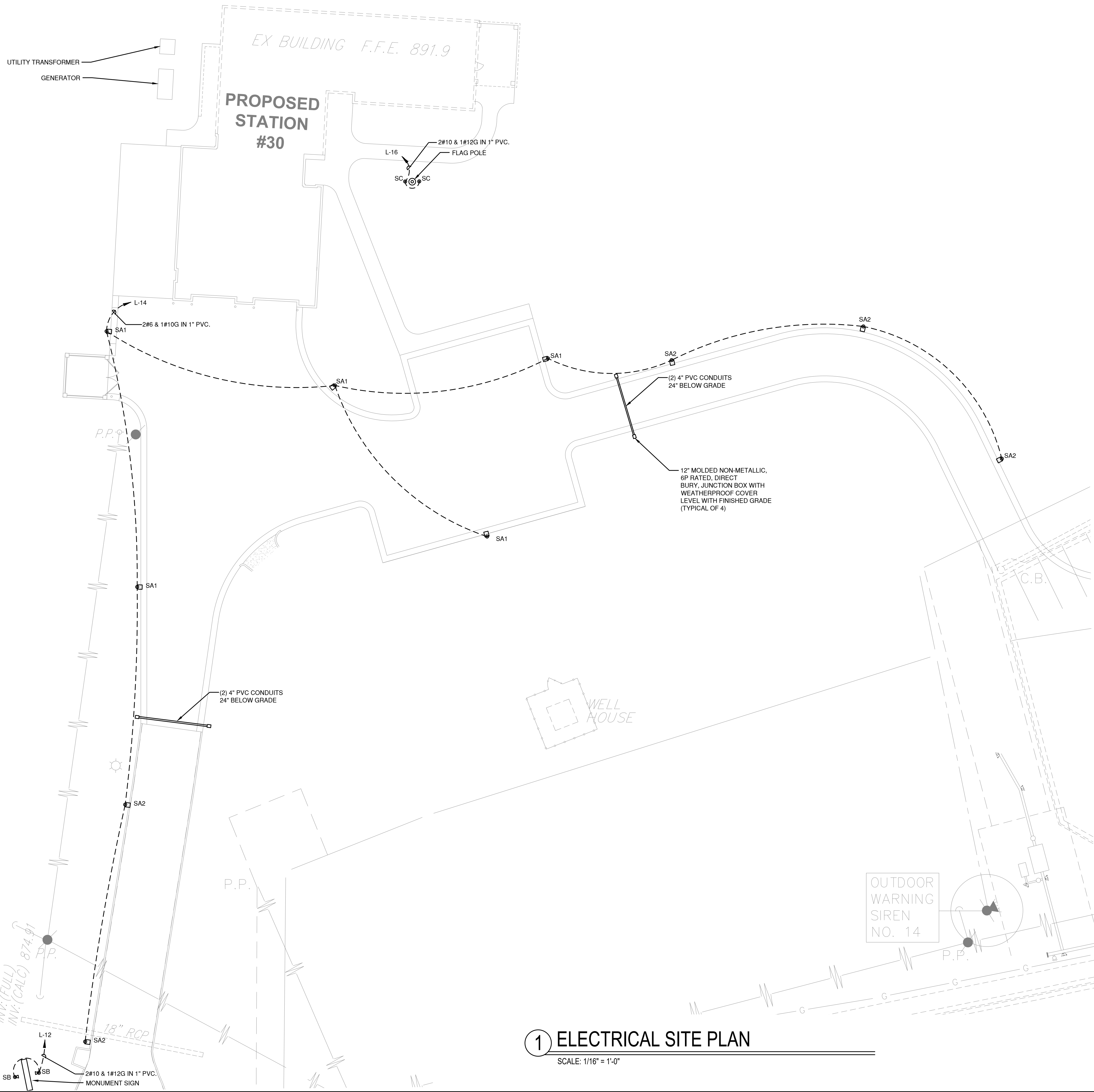
LOAD SUMMARY table with columns: CIRCUIT DESCRIPTION, PANEL MP, PANEL R, PANEL L, CONNECTED, DEMAND. Rows include LIGHTING, RECEPTACLE, MOTOR, HEATING, COOLING, KITCHEN.

Table for MP (Electrical Room) with columns: PANEL NAME, LOCATION, VOLTAGE, MOUNTING/ENCLOSURE, SURFACE / NEMA 1, AMPS, POLES, TYPE, CIRCUIT DESCRIPTION, KVA, CKT, A, B, C, CKT, KVA, CIRCUIT DESCRIPTION, TYPE, POLES, AMPS.

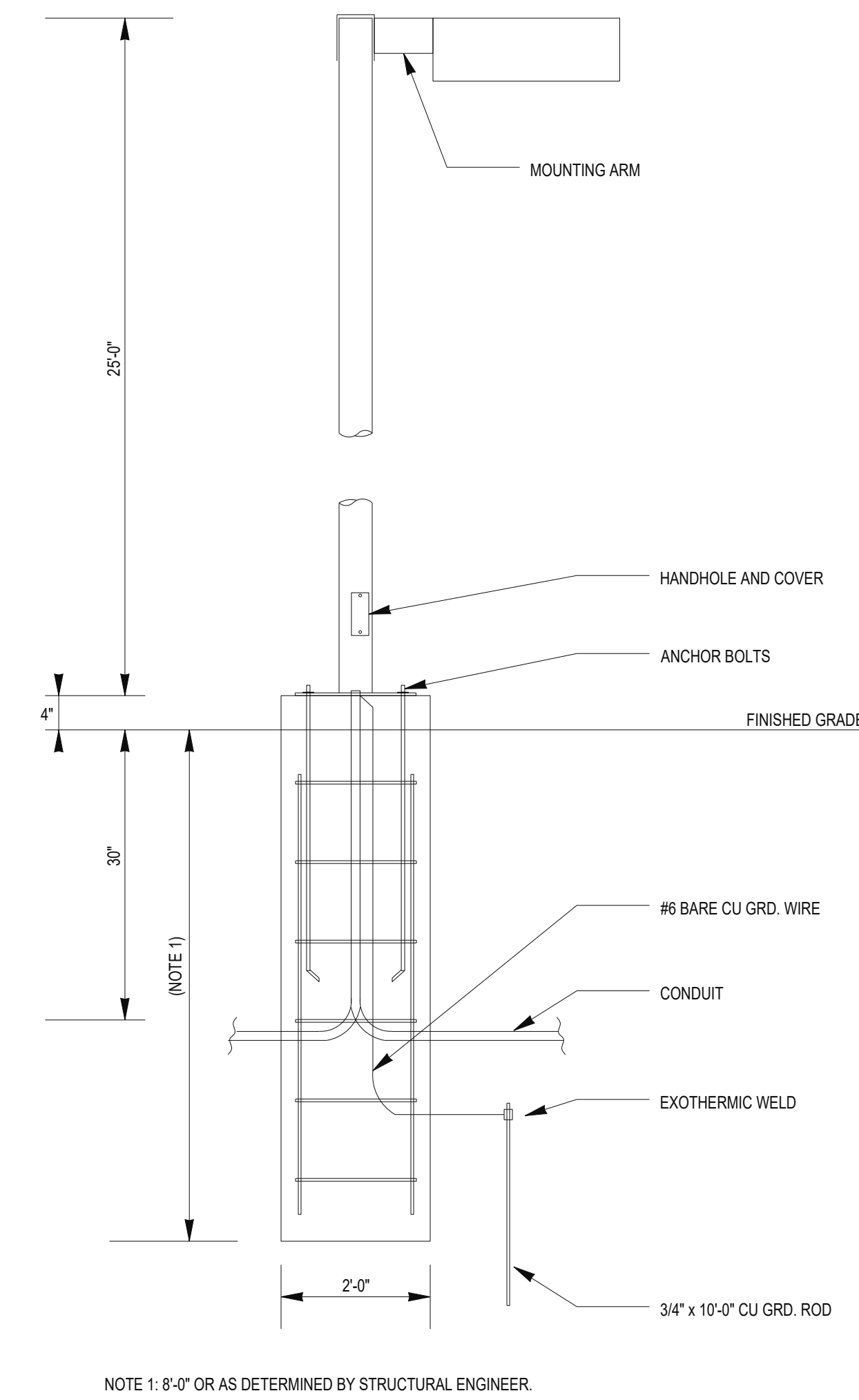
Table for R (Electrical Room) with columns: PANEL NAME, LOCATION, VOLTAGE, MOUNTING/ENCLOSURE, SURFACE / NEMA 1, AMPS, POLES, TYPE, CIRCUIT DESCRIPTION, KVA, CKT, A, B, C, CKT, KVA, CIRCUIT DESCRIPTION, TYPE, POLES, AMPS.

Table for L (Elec Room) with columns: PANEL NAME, LOCATION, VOLTAGE, MOUNTING/ENCLOSURE, SURFACE / NEMA 1, AMPS, POLES, TYPE, CIRCUIT DESCRIPTION, KVA, CKT, A, B, C, CKT, KVA, CIRCUIT DESCRIPTION, TYPE, POLES, AMPS.

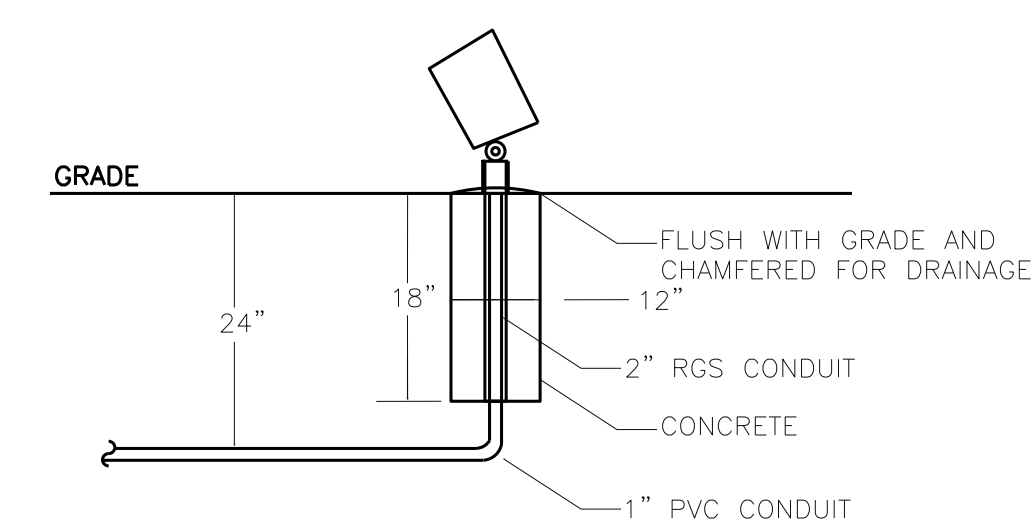
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**1 ELECTRICAL SITE PLAN**  
SCALE: 1/16" = 1'-0"



**2 POLE BASE DETAIL**  
SCALE: NTS



**3 GROUND SPOT DETAIL**  
SCALE: NTS

RELEASED FOR CONSTRUCTION

PROJECT NUMBER  
**23-017**

DATE  
**03/13/24**

REVISIONS	
NO.	DATE
0000	00/00/00

FACILITY CODE  
**000-0000**



855 ABUTMENT ROAD  
SUITE FOUR  
DALTON, GA 30721  
TEL. 706.529.5895

ADDITIONS & RENOVATIONS TO:  
**EMS STATION #30**  
2017 E. CHEROKEE DRIVE, WOODSTOCK GA 30188  
CHEROKEE COUNTY BOARD OF COMMISSIONERS



SHEET INDEX  
ELECTRICAL  
SITE PLAN

SHEET INDEX

**E8.0**

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