AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

FIRE STATION #3

2649 GORDON HWY, AUGUSTA, GA 30909

GENERAL NOTES:

THE GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS SHALL BE REQUIRED TO VISIT THE PREMISES TO INSPECT EXISTING CONDITIONS, BECOME FAMILIAR WITH LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND CORRELATE PERSONAL OBSERVATIONS WITH REQUIREMENTS OF THE DRAWINGS.

ALL WORK PERFORMED SHALL BE IN STRICT COMPLIANCE WITH COUNTY REGULATIONS AND CODES, O.S.H.A. STANDARDS, THE CODE STANDARDS LISTED, EXECUTED IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS, AND CONFORM TO SPECIFIC REGULATIONS AS MANDATED BY THE OWNER AND THE ARCHITECT.

IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO INSURE THE PROCUREMENT OF ALL REQUIRED AND NECESSARY PERMITS. ALL CONTRACTORS SHALL OBTAIN NECESSARY AND APPLICABLE, CITY/COUNTY PERMITS, INSPECTIONS AND APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORK AND CERTIFICATE OF OCCUPANCY UPON COMPLETION OF PROJECT. CONTRACTOR SHALL FURNISH COPIES OF PERMITS, INSPECTIONS AND CERTIFICATES TO OWNER UPON REQUEST.

CONTRACTOR SHALL BE REQUIRED TO COORDINATE WORK SCHEDULE TO MINIMIZE DISRUPTION OF NORMAL ACTIVITIES AND TO AVOID INTERFERENCE WITH ADJACENT OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ADEQUATE PRECAUTIONS TO PROTECT SURROUNDINGS, MATERIALS AND EXISTING FINISHES THROUGHOUT ALL PHASES OF CONSTRUCTION AREAS AND OCCUPIED OR PUBLIC AREAS TO BE MAINTAINED BY CONTRACTOR. DAMAGE TO EXISTING-TO-REMAIN CONSTRUCTION, MATERIALS OR EQUIPMENT TO BE RESTORED TO ORIGINAL CONDITION.

CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF TRASH AND DEBRIS FROM JOB SITE ON A DAILY BASIS. FINAL CLEAN-UP WITHIN SCOPE OF WORK:

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL RELATED TRADES AND VENDORS NECESSARY TO THE COMPLETION OF THE JOB ON A TIMELY BASIS.

DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY. SUBMIT TO ARCHITECT ANY DISCREPANCIES FOR CLARIFICATION

ALL WORK SHALL BE IN COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, CURRENT EDITION OF NATIONAL ELECTRIC CODE, INTERNATIONAL PLUMBING, AND MECHANICAL CODE, RECOGNIZED INDUSTRY STANDARDS, CRAFTSMANSHIP STANDARDS IN THE AREA, ALL MANUFACTURERS RECOMMENDATIONS, AND ALL OTHER APPLICABLE CODES.

THE DESIGN PROFESSIONAL DOES NOT GUARANTEE THE PERFORMANCE OF THE PROJECT IN ANY RESPECT OTHER THAN THAT OUR PROFESSIONAL WORK AND JUDGEMENT RENDERED MEET THE STANDARDS OF CARE OF OUR PROFESSION.

THE LOCATION OF THE EXISTING UTILITIES AND STRUCTURES SHOWN HEREON ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND ACTUAL LOCATION OF SUCH, WHETHER SHOWN HEREON OR NOT, PRIOR TO ANY EXCAVATION ANY DAMAGES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.

THE FLOOR ON BOTH SIDES OF A DOOR SHALL BE LEVEL AND SHALL HAVE THE SAME ELEVATION ON BOTH SIDES OF THE DOOR, FOR A DISTANCE ON EACH SIDE EQUAL TO THE WIDTH OF THE WIDEST SINGLE DOOR.

FIRE EXTINGUISHERS SHALL BE LOCATED PER THE REQUIREMENTS OF NFPA 10. THE SIZE SHALL BE A MINIMUM OF 2A 10 BC AND SHALL BE INSTALLED AT A MAXIMUM OF 48" A.F.F. TO THE TOP OF THE HANDLE.

PROVIDE CONT. SOLID BLOCKING, AS REQUIRED, IN WALLS TO RECEIVE ACCESSORY ITEMS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
HANDRAILS
TOILET ROOM ACCESSORIES
GRAB BARS
FIRE EXTINGUISHER CABINETS & BRACKETS
CABINETS AND SHELVES

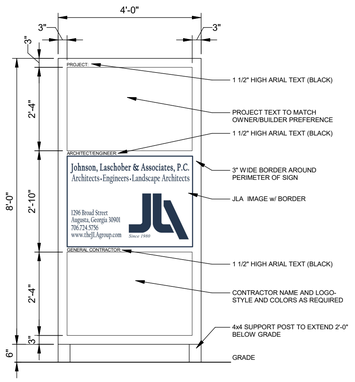
CLEAN WALLS, DOORS, DOOR FRAMES, HANDRAILS, GUARDRAILS, ETC. PER MANUFACTURERS RECOMMENDATIONS PRIOR TO SEALING AND PAINTING.

REFER TO THE STRUCTURAL DRAWINGS FOR INFORMATION ON CONSTRUCTION AND CONTROL JOINTS IN CONCRETE SLABS AND CONCRETE AND MASONRY WALLS. SLAB JOINTS ARE SPECIFIED AND LOCATED ON THE STRUCTURAL DRAWINGS.

TEMPORARY SIGNS: PROVIDE SIGNS AS REQUIRED TO INFORM PUBLIC AND INDIVIDUALS SEEKING ENTRANCE TO PROJECT.
PROVIDE TEMPORARY, DIRECTIONAL SIGNS FOR CONSTRUCTION PERSONNEL AND VISITORS. MAINTAIN AND TOUCHUP SIGNS SO THEY ARE LEGIBLE AT ALL TIMES.

PROJECT LOCATION MAP

JOBSITE SIGN



INDEX OF DRAWINGS

PROJECT TEAM

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3117 DEANS BRIDGE ROAD
AUGUSTA, GA 30906
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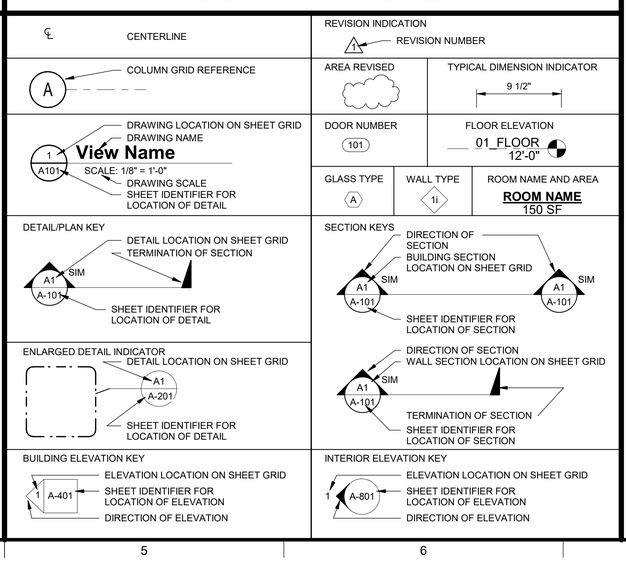
GRAPHIC SYMBOLS



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CLIENT: AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JNA
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE: **COVER SHEET**

SCALE: AS NOTED

DRAWING NO. **G-001** REV: **A**

C:\Revit - Local Projects\3042-2403_Augusta Fire Station #3\04292403-Architectural-Local_jthomas.rvt
4/29/2025 5:42:21 PM

JLA-24X36.RFA
REV 10/1/2020 JAP

GENERAL NOTES

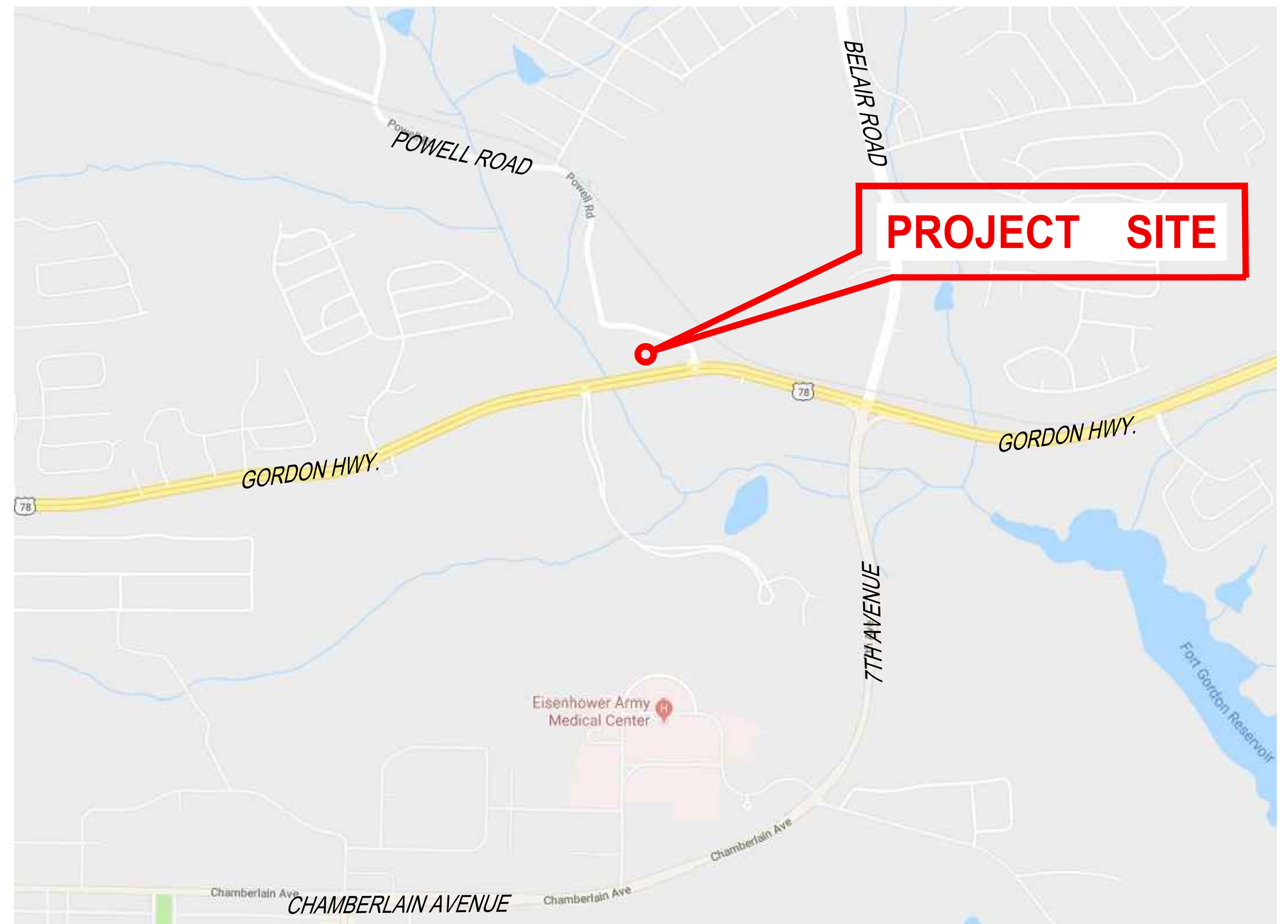
1. ALL ELEVATIONS ARE BASED ON MEAN SEA LEVEL.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS AND LICENSES AS REQUIRED BY CITY OF AUGUSTA NECESSARY FOR CONSTRUCTION.
3. ALL DRAINAGE EASEMENTS AND DISTURBED AREAS MUST BE GRASSED AND/OR RIPRAPPED AS REQUIRED TO CONTROL EROSION.
4. ALL CONSTRUCTION WITHIN THE CITY OF AUGUSTA RIGHTS-OF-WAY SHALL CONFORM TO AUGUSTA, GEORGIA STANDARDS AND SPECIFICATIONS.
5. ALL SILT BARRIERS MUST BE PLACED IMMEDIATELY FOLLOWING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIERS INSTALLATION IS COMPLETED.
6. CONTRACTOR SHALL CONTACT THE INSPECTION DIVISION OF THE PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS PRIOR TO STARTING WORK ON THE PROJECT. THE PHONE NUMBER FOR THIS OFFICE IS ________.
7. THERE ARE NO KNOWN GRAVE SITES OR CEMETERIES LOCATED ON THE PROPERTY. IF GRAVE SITES OR CEMETERIES ARE DISCOVERED DURING CONSTRUCTION, INFORMATION MUST BE SUBMITTED TO THE PLANNING COMMISSION IMMEDIATELY.
8. A PRE CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE COUNTY ENGINEER OR HIS DESIGNATED REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION. THIS MEETING SHALL BE SCHEDULED WITH THE ENGINEERING DEPARTMENT AT THE TIME THE NOTIFICATION OF WORK COMMENCEMENT IS GIVEN.
9. ALL BOXES HAVING A DEPTH OF 4'-0" OR GREATER SHALL HAVE STEPS. MANHOLE COVER SHALL BE LOCATED SUCH THAT STEPS CAN BE READILY ACCESSIBLE.
10. NO MARQUEE, ISLANDS, OR SPRINKLER SYSTEM TO BE LOCATED WITHIN THE RIGHT-OF-WAY. THE CONTRACTOR SHALL VERIFY I.E. OF ALL EXIST. PIPES AND ROAD GRADE ELEVATIONS OF EXISTING ROADS BEFORE BEGINNING CONSTRUCTION.
11. NOTIFY THE CITY ENGINEER'S OFFICE 48 HRS. PRIOR TO STARTING CONSTRUCTION, POURING TRAP TOPS, DUMPING BASE OR PAVING.
12. APPROVAL OF THESE PLANS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF ADHERING TO THE WEIGHT LIMITS PRESCRIBED ON STATE, COUNTY & CITY MAINTAINED ROADS FOR HAULING EQUIPMENT OR MATERIALS TO & FROM THIS SITE.
13. THE CONTRACTOR IS RESPONSIBLE TO REMOVE OR CLEAN OUT ANY SILT, DIRT, MUD OR ANY OTHER TYPE OF DEBRIS THAT COMES OFF THE SITE AND FINDS ITS WAY INTO PRIVATE PONDS OR A COUNTY OWNED POND. THEY ARE RESPONSIBLE TO REMOVE ANY OF THE ABOVE MENTIONED ITEMS THAT COME OFF THE SITE ONTO PRIVATE, COUNTY OR STATE OWNED PROPERTIES TO INCLUDE RIGHTS-OF-WAY.
14. A CAD FILE WILL BE PROVIDED FOR SITE GEOMETRY STAKING.
15. UTILITY CONTACT INFORMATION (CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION):

WATER & SEWER	AUGUSTA UTILITY DEPART.	(706) 842-3060
NATURAL GAS:	GEORGIA NATURAL GAS	1 (877)427-4321
ELECTRICITY:	GEORGIA POWER CO.	1-888-891-0938
COMMUNICATIONS:	_____	______

STORMWATER QUALITY FEATURES

BASIN NO.	SWQ NO.	SHEET NO.	LOCATION	TYPE	MANUFACTURER & MODEL NO.	FLOW CAPACITY (CFS)
1	1	C-201	STR. A-1	FLEXSTORM PURE INLET FILTER	ADS FRAME: 62XLHD BAG: PC	7.2
1	2	C-201	STR. A-2	FLEXSTORM PURE INLET FILTER	ADS FRAME: 62XLHD BAG: PC	7.2
1	3	C-201	STR. A-2.1	FLEXSTORM PURE INLET FILTER	ADS FRAME: 62XLHD BAG: PC	7.2
1	4	C-201	STR. A-4	FLEXSTORM PURE INLET FILTER	ADS FRAME: 62XLHD BAG: PC	7.2
1	5	C-201	STR. B-1	FLEXSTORM PURE INLET FILTER	ADS FRAME: 62XLHD BAG: PC	7.2
1	6	C-201	STR. B-2	FLEXSTORM PURE INLET FILTER	ADS FRAME: 62XLHD BAG: PC	7.2
1	7	C-201	STR. B-3	FLEXSTORM PURE INLET FILTER	ADS FRAME: 62XLHD BAG: PC	7.2
1	8	C-201	STR. B-4	FLEXSTORM PURE INLET FILTER	ADS FRAME: 62XLHD BAG: PC	7.2
1	9	C-201	POND	DRY DETENTION POND	N/A	N/A
1	10	C-201	STR. A-2A	FLEXSTORM PURE INLET FILTER	ADS FRAME: 62XLHD BAG: PC	7.2
1	11	C-201	STR. A-3	FLEXSTORM PURE INLET FILTER	ADS FRAME: 62XLHD BAG: PC	7.2

PROJECT LOCATION MAP



N

2,000' 1,000' 0 2,000' 4,000'

SCALE: 1"= 2,000'

DRAWING INDEX

SITE LEGEND

LEGEND:

	EXISTING	PROPOSED
BLDG. STRUCTURE		
PROPERTY LINE OR RIGHT-OF-WAY	BEARING/LENGTH DIST./RADIUS	
SPOT ELEVATION		+ 100.00
CONTOUR	100	100
STORM DRAIN	18"SD JB	18"SD JB
SANITARY SEWER	8"SS MH	
CLEAN-OUT/SS SERVICE	C.O.	
WATER	W	8"W
OVERHEAD POWER	OHP	
UNDERGROUND POWER	UGP	UGP
UNDERGROUND TELEPHONE	T UGT	
CABLE	C	
FIBER OPTICS	FOC	FOC
CONCRETE		
LIGHT-DUTY ASPHALT PAVEMENT		
CONCRETE CURB & GUTTER		
PITCHED (SPILL)		
NORMAL		
2-SCH 40 PVC 4" CONDUIT STUB (PAIR)		

ABBREVIATIONS:

ASPH.	ASPHALT
B.M. OR BM	BENCH MARK
B/	BOTTOM
BOC, BC	BACK OF CURB
C	CABLE
CO	CLEAN-OUT
ASPH.	CONCRETE
C.P.	CONTROL POINT
DET.	DETAIL
DIP	DUCTILE IRON PIPE
D.I.	DRAINAGE INLET
DWG.	DRAWING
EL./ELEV.	ELEVATION
EXIST.	EXISTING
EOP, EP	EDGE OF PAVEMENT
FO	FIBER OPTIC
FH	FIRE HYDRANT
GV	GAS VALVE
I.E.	INVERT ELEV.
'L	LINEAR FEET LEFT
LF	LINEAR FEET
MH	MANHOLE
MJ	MECH. JOINT
PID	PROPERTY ID NUMBER
PP	POWER POLE
PVMT.	PAVEMENT
'R	LINEAR FEET RIGHT
RCP	REINF. CONC. PIPE
RJF	RESTRAINT JOINT FITTING
RW	RAW WATER
R/W, ROW	RIGHT-OF-WAY
SD	STORM DRAIN
STA	STATION
SS	SANITARY SEWER
TYP.	TYPICAL
TP	TELEPHONE PEDESTAL
T/	TOP
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
WM	WATER METER
WV	WATER VALVE

PROJECT DATA

<u>OWNER (PRIMARY PERMITEE):</u>
AUGUSTA, GA
535 TELFAIR STREET
AUGUSTA, GA 30901

<u>OWNER'S CONTACT:</u>
CHIEF ANTONIO BURDEN
P: 706-821-4230
E: aburden@augustaga.gov

<u>OWNER'S ENGINEER:</u>
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
WILLIAM T. BUCHANAN, P.E.
1296 BROAD STREET
AUGUSTA, GA 30901
P: 706-724-5756
E: wbuchanan@theJLAgroup.com

PARCEL NO.: 066-0-053-00-0

PROPERTY ADDRESS: 2649 GORDON HWY
AUGUSTA, GA 30909

TOTAL AREA: 2.10 ACRES

G.M.D.: 119TH

GSWCC REGION: REGION III
DISTRICT 26

RECEIVING WATERS: BUTLER CREEK

SITE INFORMATION:
LAND USE: CIVIC/PUBLIC SAFETY

CONSTRUCTION TYPE: PUBLIC SAFETY

PROPERTY COORDINATES: 33.4424° N, -82.1260° W

DISTURBED AREA: 2.10 ACRES

ZONING: R-3B & A

BUILDING AREA: ± 12,550 SF

BUILDING SETBACKS: FRONT: 40'
SIDE: 10'

EXISTING IMPERVIOUS AREA: 0 ACRES

PROPOSED IMPERVIOUS AREA: 1.0 ACRES

E.S.P.C. NOTES:

1. THIS PROJECT **DOES NOT** LIE WITHIN THE 100-YR FLOOD PLAIN OR FLOODWAY PER FIRM NO. 13245C0085G DATED NOVEMBER 11, 2019.
2. THERE ARE <u>**NO**</u> STATE WATERS PRESENT ON OR WITHIN 200 FEET OF THE PROJECT LIMITS WITH NO BUFFER REQUIREMENT. (CHECKLIST ITEMS No. 16, 41 & 42)
3. WETLANDS ARE <u>**NOT**</u> PRESENT ON OR WITHIN 200 FEET OF THE PROJECT LIMITS. (CHECKLIST ITEM No. 42)
4. ALL CRITICAL AREAS SUCH AS STREAM CROSSING, WETLANDS, CEMETERY, ETC. ARE NOTED IN THE PLANS WITHIN THE PROJECT LIMIT.
5. EROSION AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED WITHIN THE DISTURBED AREA.
6. **"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES". (CHECKLIST ITEM No. 19)**
7. **"EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE". (CHECKLIST ITEM No. 20)**
8. **"ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING". (CHECKLIST ITEM No. 21)**
9. THERE ARE NO ENDANGERED SPECIES AND ARCHEOLOGICAL SITES ON OR WITHIN 200 FEET OF THE PROJECT AREA.
10. THIS CONSTRUCTION ACTIVITY DOES NOT DISCHARGE DIRECTLY TO BUT IS WITHIN 1 LINEAR MILE OF AN IMPAIRED STREAM SEGMENT PER 2014 INTEGRATED 305(b)/303(d) LIST OF STREAMS. THE IMPAIRED STREAM SEGMENT IS ROCKY CREEK (TRIBUTARY TO SAVANNAH RIVER IN AUGUSTA). CRITERION VIOLATED IS "BIO M" (IMPAIRED MACROINVERTEBRATE COMMUNITY(CHECKLIST ITEM No. 22)
11. A TMDL IMPLEMENTATION PLAN FOR THE IMPAIRED STREAM SEGMENT HAS NOT BEEN FINALIZED PER THE 2016 INTEGRATED 305(B)/303(D) LIST OF STREAMS. (CHECKLIST ITEM No. 23)
12. DEVELOPERS AND/OR CONTRACTORS ARE RESPONSIBLE TO REMOVE OR CLEAN OUT ANY SILT, DIRT, MUD OR ANY OTHER TYPE OF DEBRIS THAT COMES OFF THEIR SITE AND FINDS ITS WAY INTO A PRIVATE POND OR A COUNTY OWNED POND. THEY ARE RESPONSIBLE TO REMOVE ANY OF THE ABOVE MENTIONED ITEMS THAT COME OFF THEIR SITE ONTO PRIVATE OR COUNTY OWNED PROPERTIES TO INCLUDE RIGHTS OF WAY.
13. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COSTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS. (CHECKLIST ITEM No. 15)
14. AMENDMENTS/REVISIONS TO THE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL. (CHECKLIST ITEM No. 17)
15. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. (CHECKLIST ITEM No. 18)
16. THE CONTRACTOR SHALL COMPLY WITH THE "GEORGIA MANUAL FOR ON-SITE SEWAGE MANAGEMENT SYSTEMS" FOR WASTE DISPOSAL, SANITARY SEWER AND/OR SEPTIC TANK INCLUDING ALL TEMPORARY MEASURES DURING CONSTRUCTION AND AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.
17. FINAL GRADING WILL CONSIST OF SPREADING TOPSOIL (4" MIN. TO FINISHED GRADES INDICATED) ON ALL DISTURBED AREAS NOT PAVED.
18. ALL DISTURBED AREAS WILL BE GRASSED AND STABILIZED IMMEDIATELY AFTER GRADING ACCORDING TO THE GRASSING, FERTILIZATION AND MULCH SPECIFICATION. STABILIZATION MEASURES SHALL BE INITIATED ON DISTURBED AREAS WITHIN 14 DAYS OF CESSATION OF CONSTRUCTION ACTIVITY IN THAT AREA, OR WHEN CONSTRUCTION ACTIVITY WILL NOT RESUME WITHIN TWENTY-ONE (21) DAYS OR WITHIN FOURTEEN (14) DAYS OF COMPLETION OF CONSTRUCTION ACTIVITY.
19. APPENDIX B RATIONALE FOR NTU:
STORM WATER SAMPLING WILL BE DONE UTILIZING THE OUTFALL SAMPLING METHOD; THEREFORE, THE ALLOWABLE NTU VALUES FOR THE STORM WATER OUTFALLS ARE BASED ON THE TABLE LOCATED IN APPENDIX B OF THE PERMIT. 1.6 ACRES OF THE SITE WILL BE DISTURBED BY CONSTRUCTION. THE TOTAL SURFACE WATER DRAINAGE AREA TO BOTH SAMPLE POINT #1 AND #2 IS APPROXIMATELY 0.001 SQUARE MILES. SAMPLE POINTS ARE LOCATED IN A WARM WATER FISHERY; THEREFORE, THE NTU VALUE FOR BOTH OUTFALLS IS 75. SEE DRAWING CE-101A AND CE-101B FOR SAMPLE POINT LOCATIONS. (CHECKLIST ITEM No. 34)
20. THE CONTRACTOR IS RESPONSIBLE TO REMOVE OR CLEAN UP ANY AND ALL SEDIMENT THAT LEAVES THE PROJECT SITE.
21. PROJECT DISTURBED AREA DOES NOT EXCEED 50 ACRES. (CHECKLIST ITEM No. 3)
22. DURING CONSTRUCTION, PORT-O-LET FACILITIES WILL BE UTILIZED FOR WASTE DISPOSAL.
23. **THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION. (CHECKLIST ITEM No. 14)**
24. THE DESIGN PROFESSIONAL WHO PREPARED THE DESIGN OF THE LOW IMPACT DEVELOPMENT (LID) FEATURES SHALL CONDUCT A POST-CONSTRUCTION SITE VISIT TO ASSESS THE INSTALLATION OF THE AS-BUILT FEATURES.

NPDES INFORMATION

<u>OUTFALL INFROMATION:</u>

PRE-DEVELOPED BASIN — SCS CURVE NUMBER: 78
POST-DEVELOPED BASIN — SCS CURVE NUMBER: 82

<u>BASIN INFROMATION):</u>
RECEVING BASIN: TRIBUTARY TO BUTLER CREEK

UTILITY WARNING:
The underground utilities shown have been located from field survey information and existing drawings. The engineer makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The engineer further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The engineer has not physically located the underground utilities.

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 036340 WILLIAM TARRANT BUCHANAN

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024

SHEET TITLE : CIVIL COVER SHEET

SCALE: AS NOTED

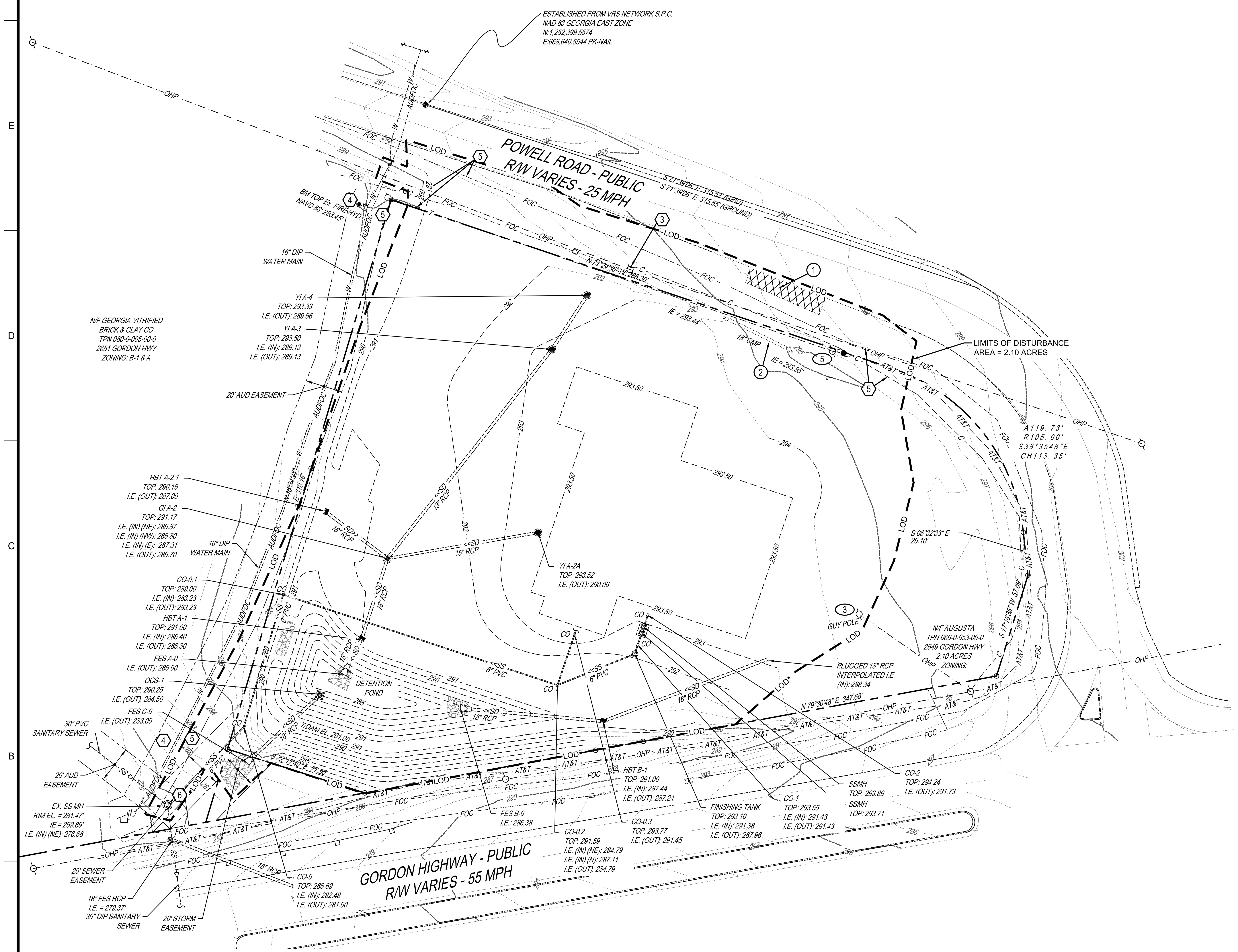
DRAWING NO. CG001 REV. A

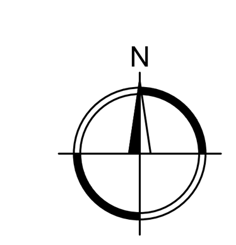
ISSUED FOR BID / PERMIT

K:\3042403\Civil\CG001.dwg Plotted:4/30/2025 4:08 PM By:William T. Buchanan, P.E.

NOTES:

1. EXISTING CONTOURS ON THE SITE REFLECT THE DESIGN CONTOURS FROM THE EARLY SITE PACKAGE WORK.
2. ALL STORM AND SANITARY SEWER INFRASTRUCTURE INSTALLED AS A PART OF THE EARLY SITE PACKAGE WORK IS SHOWN AS EXISTING AND SHALL BE PROTECTED AND MAINTAINED DURING THIS CONSTRUCTION PROJECT.





DEMOLITION LEGEND:

- XXXXX (#) REMOVE
- (#) PROTECT & MAINTAIN
- (#) RELOCATE
- — LOD — LIMITS OF DISTURBANCE

1. ASPHALT
2. STORM DRAIN
3. WATER
4. ELECTRICAL/POWER
5. TELEPHONE/COMMUNICATION/FIBER OPTIC
8. SANITARY SEWER

DEMOLITION NOTES:

1. ITEMS TO BE DEMOLISHED ARE DOUBLE HATCHED; ITEMS TO BE ABANDONED (IF ANY) ARE SINGLE HATCHED; AND BOTH SHOWN DOTTED.
2. UNDERGROUND LOCATIONS ARE APPROXIMATE AND SUPPLIED BY VARIOUS UTILITY COMPANIES. NOTIFY THE OWNER IMMEDIATELY IN WRITING OF ANY CONFLICTS OR DISCREPANCIES.
3. CONTRACTOR TO VERIFY ALL EXISTING FIELD CONDITIONS PRIOR TO DEMOLITION & CONSTRUCTION WORK INCLUDING FIELD VERIFY ALL UTILITY LOCATIONS AND HAVE APPROPRIATE UTILITY COMPANY MARK THEIR LOCATION BEFORE DIGGING OR TRENCHING. THIS SHALL INCLUDE BUT IS NOT LIMITED TO THE USE OF SONIC, ELECTRONIC OR MAGNETIC DETECTION DEVICES, BY NOTING PULL BOX AND UTILITY BOX LOCATIONS AT THE SURFACE, AND BY POTHOLING. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY UTILITIES DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
4. UNLESS OTHERWISE NOTED: DEMOLISHED ITEMS TO BE REMOVED IN ITS ENTIRETY FROM SITE & DISPOSED OF IN LEGAL MANNER OR UPON OWNER'S DISCRETION .
5. CONTRACTOR TO PROTECT BENCHMARKS SET BY THE SURVEYOR. PRESERVE BENCHMARKS LOCATED WITHIN THE CONSTRUCTION LIMITS UNTIL NEW BENCHMARK IS RE-ESTABLISHED.
6. THE CONTRACTOR IS REQUIRED TO CONTACT 811 THREE (3) DAYS PRIOR TO ANY DIGGING OR COMMENCING OF CONSTRUCTION.

UTILITY WARNING:
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1 / CV001 — **EXISTING CONDITIONS AND DEMOLITION PLAN**
SCALE: 1"=30'

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WWW.THEJLAGROUP.COM

CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 036340 WILLIAM TARRANT BUCHANAN

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

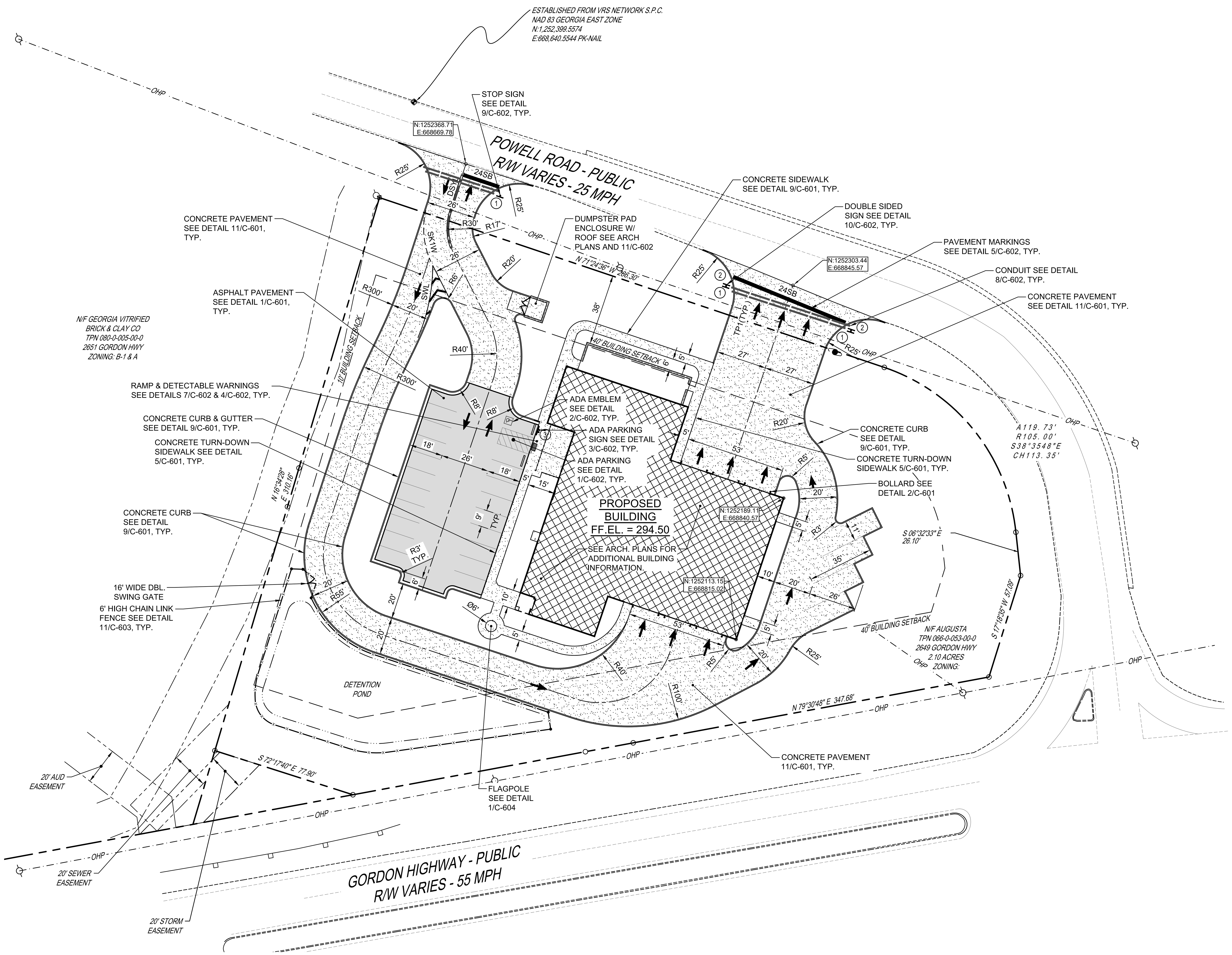
REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024

SHEET TITLE :
EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE: 1" = 30'
DRAWING NO. CV001 REV. A

ISSUED FOR BID / PERMIT



ROADWAY SIGNING & MARKING LEGEND

SWL	SOLID WHITE LINE	1	STOP SIGN R1-1 24" (36" WITHIN R/W)
SK1W	SKIPPED 1 WHITE LINE	2	DO NOT ENTER SIGN R5-1
DSYL	DOUBLE SOLID YELLOW LINE	3	HDCP PARKING SIGN W/ VAN ACCESSIBLE
24SB	24" STOP BAR		
TP1	THRU-LANE USE		

NOTE: SEE DETAILS & SPECS. FOR PAVEMENT MARKING.

NOTES:

1. BUILDING COORDINATES ARE APPROXIMATE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL BUILDING INFORMATION, DIMENSIONS AND SIDEWALK LOCATIONS.
2. BUILDING AND PARKING LOT ACCESS SHALL BE CONSTRUCTED IN COMPLIANCE WITH ALL 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, OR MOST CURRENT EDITION.
3. ALL DIMENSIONS AND/OR COORDINATES (IF ANY) ARE FROM FACE OF CURB, EDGE OF CONCRETE/PAVEMENT AND OR FACE OF BUILDING.
4. COORDINATE ALL CONCRETE JOINTS, SCORING PATTERNS, TEXTURE & COLOR WITH ARCHITECT.
5. THE CONTRACTOR SHALL NOTIFY AND RECEIVE APPROVAL FOR THE METHOD, SPACING REQUIREMENTS, AND SCHEDULING OF CONSTRUCTION FROM THE OWNER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
6. THE CONTRACTOR SHALL REPAIR OR REPLACE AT NO COST TO THE OWNER ANY DAMAGE INCURRED TO ABOVE OR BELOW GROUND UTILITY SERVICES OR ANY EXISTING STRUCTURES.
7. EXCESS EARTH MAYBE STOCKPILED ONSITE AS DIRECTED BY THE OWNER. STOCKPILE SHOULD NOT OBSTRUCT NATURAL DRAINAGE OR CAUSE OFFSITE ENVIRONMENTAL DAMAGE.

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1 C-101 **LAYOUT & STAKING PLAN**
SCALE: 1"=30'

N
30' 15' 0 30' 60'
SCALE: 1" = 30'

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CLIENT:
AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME:
FIRE STATION #3

PROJECT LOCATION:
2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 036340 WILLIAM TARRANT BUCHANAN

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
1	3/14/19	WTB	ADDENDUM NO. 2
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

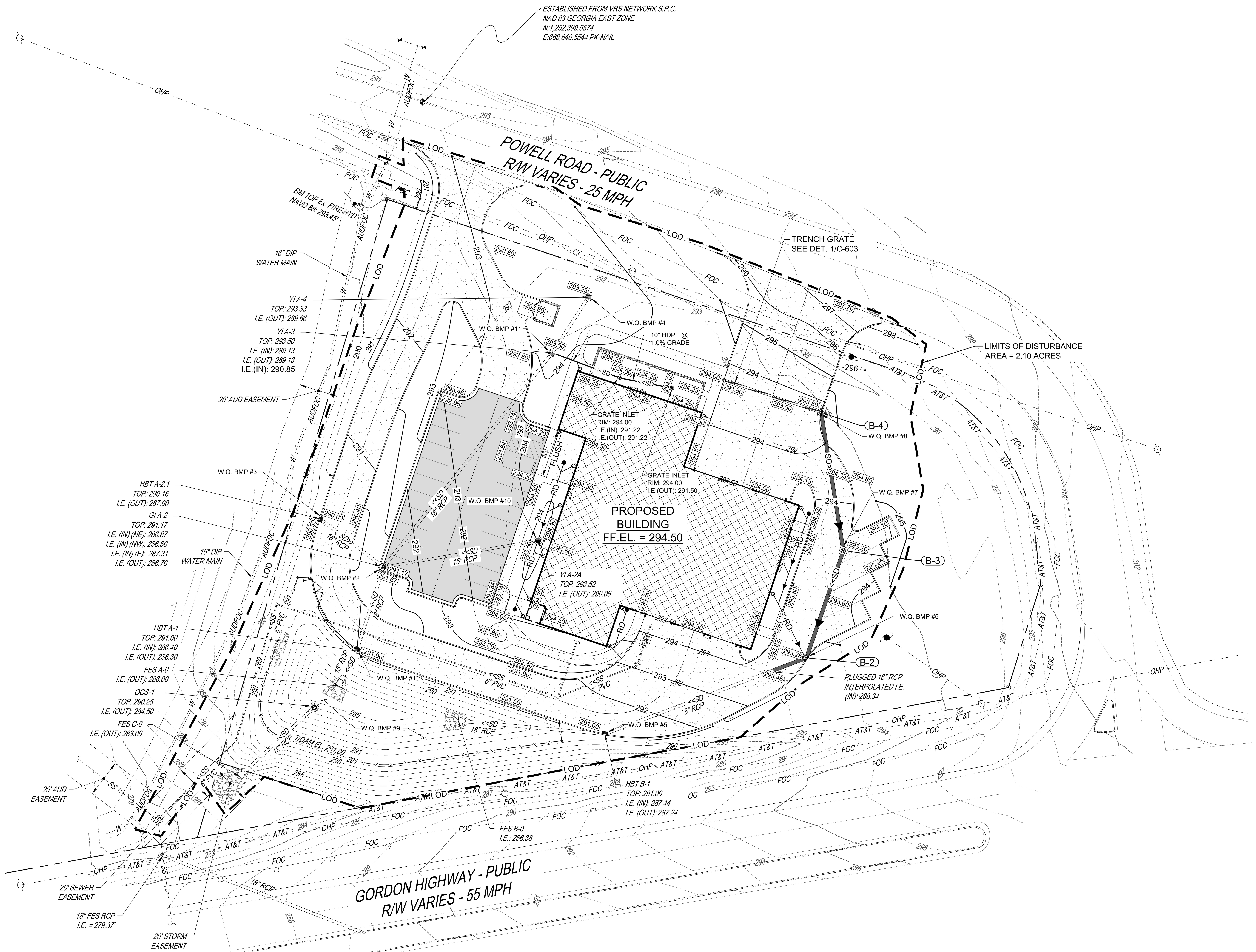
PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024

SHEET TITLE :
LAYOUT & STAKING PLAN

SCALE: 1" = 30'
DRAWING NO. C-101
REV. A

ISSUED FOR BID / PERMIT

STORM SEWER STRUCTURES					
STRUCTURE NO.	TYPE	RIM/GRATE ELEV.	INV(IN). ELEV.	INV.(OUT) ELEV.	REMARKS
B-2	HOODED BACK TRAP	293.25	288.73(N)	288.53	PER GDOT DET. 1019A "PRECAST" "E"
B-3	GRATE INLET (TRAFFIC)	293.20	289.56(N)	289.36	PER DET. A1/C-603
B-4	HOODED BACK TRAP	293.68		290.21	PER GDOT DET. 1019A "PRECAST" "E"



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1 / C-201 **GRADING AND DRAINAGE PLAN**
SCALE: 1"=30'

SCALE: 1" = 30'

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 036340 WILLIAM TARRANT BUCHANAN

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO.	3042.2403
DRAWN BY :	DRWN
CHECKED BY :	CHK
DATE:	04/03/2024

SHEET TITLE :
GRADING AND DRAINAGE PLAN

SCALE: 1" = 30'
DRAWING NO. **C-201** REV. **A**

ISSUED FOR BID / PERMIT

NOTES

1. ALL VALVES, INCLUDING HYDRANTS ON THIS PROJECT SHALL BE "OPEN RIGHT".
2. NO TIE IN TO EXISTING WATER MAIN IS ALLOWED UNTIL ALL TESTING HAS OCCURRED AND THE AUD INSPECTOR APPROVES THE CONNECTION.
3. MINIMUM TAP SPACING BETWEEN IRRIGATION TAP AND DOMESTIC WATER TAP SHALL MEET AUD MINIMUM SPACING REQUIREMENTS.

AUD SEWER NOTES

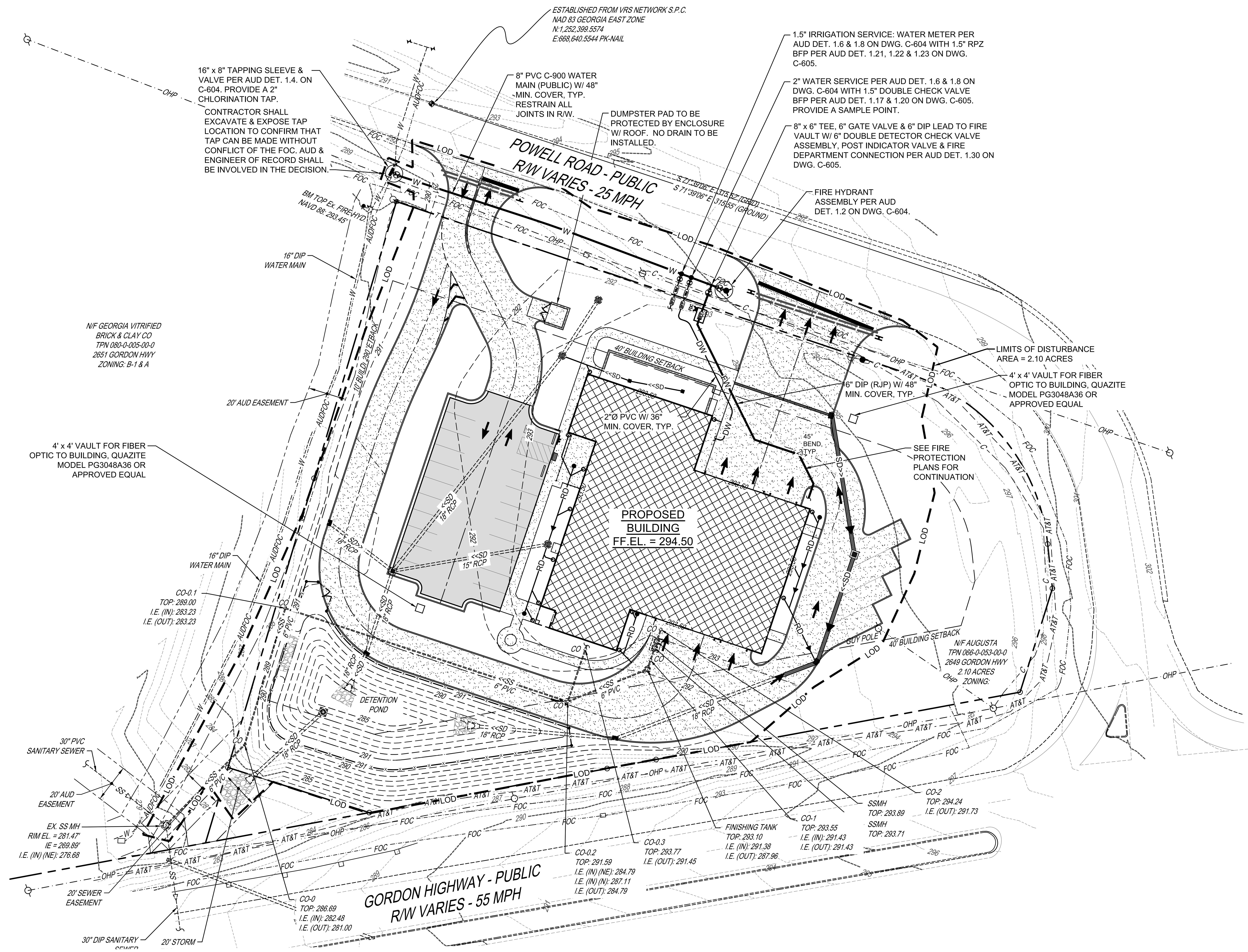
1. AN AUD INSPECTOR SHALL BE PRESENT OR SECTION LEFT UNCOVERED UNTIL INSPECTED BY THE INSPECTOR WHEN A CORE, TAP, TIE-IN OCCURS, MANHOLE INSTALLED, AND ALL REQUIRED TESTING. CONTRACTOR IS TO PROVIDE AT LEAST 48 HOUR NOTICE (TWO WORKING DAYS) IN ADVANCE DURING REGULAR WORKING HOURS (8:30 AM TO 5:00 PM, MONDAY-FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS).
2. THE CONTRACTOR IS TO VERIFY THE INVERT ELEVATIONS (I.E.) OF EXISTING PIPES PRIOR TO BEGINNING CONSTRUCTION.
3. SEWER FORCE MAIN SHALL BE PVC DR-18 C-900 OR C-905 AS APPLICABLE OR DIP CLASS 350, EPOXY LINED.
4. ALL NEW SEWER LINES SHALL BE INSTALLED PER PIPELINE MANUFACTURER REQUIREMENTS.
5. COPPER WIRE (12-GAUGE, INSULATED, SINGLE STRAND) SHALL BE ATTACHED ALONG TOP OF ALL BURIED SEWER LINES TO FACILITATE TRACEABILITY. THE WIRE SHALL RUN ALONG THE TOP OF THE MAIN AND ALONG INDIVIDUAL SERVICE LINES AND BROUGHT UP ON THE OUTSIDE OF ALL MANHOLES, CLEANOUTS, OR OTHER ABOVE GROUND FEATURES STUBBING OUT AT THE TOP FOR LOCATING PURPOSES. THIS WIRE SHALL BE PROPERLY SPLICED WITH A WATER PROOF CONNECTOR FOR ELECTRICAL CONNECTIVITY, AND THEN INSULATED TO PROTECT AGAINST CORROSION. (REFERENCE AUD DETAILS WHEN APPLICABLE).
6. DETECTOR TAPE SHALL BE 4 INCHES WIDE AND PLACED 2 FEET ABOVE PIPE ADD SIMILAR DEVICE TO CONDUIT PER AUD DETAIL 3.6.
7. ALL TIE-INS TO EXISTING MANHOLES SHALL BE CORED UNLESS OTHERWISE APPROVED BY AUD INSPECTOR.
8. ALL MANHOLES REQUIRE "K OR N SEAL" OR EQUAL, RUBBER BOOTS, UNLESS OTHERWISE APPROVED BY AUD INSPECTOR.
9. NO CONNECTION SHALL BE MADE TO EXISTING WASTEWATER LINES UNTIL THE PROPOSED LINE IS INSPECTED AND APPROVED BY AUD'S ENGINEERING DIVISION.
10. ALL WASTEWATER MANHOLES SHALL HAVE AN ELEVATION DROP OF 0.2 FOOT ACROSS THE INLET AND OUTLET INVERTS.
11. WASTEWATER CLEAN-OUTS SHALL BE INSTALLED AT ALL INDIVIDUAL SERVICES AS SHOWN IN AUD-DETAILS, AND SHALL NOT BE INSTALLED UNDER DRIVEWAYS OR ANY PAVED AREAS WITHOUT PRIOR APPROVAL FROM AUD.
12. SERVICE LINES TO SANITARY SEWER MAIN SHALL BE BEDDED PER THESE AUD SPECIFICATIONS AND AUD DETAILS.
13. MAXIMUM SANITARY SEWER INFILTRATION SHALL NOT EXCEED 100 GPD/INCH OF PIPE DIAMETER PER MILE.
14. THE CONTRACTOR SHALL LOCATE SANITARY SEWER SERVICES BY ETCHING AN "S" IN THE CURB OR IN THE PAVEMENT IF NO CURB IS AVAILABLE, AND HIGHLIGHT THE ETCHING WITH GREEN PAINT PER THE APWA UNIFORM COLOR CODE.
15. FINISHED FLOOR ELEVATIONS OF ALL PROPOSED BUILDINGS SHALL BE A MINIMUM OF FIVE (5) FEET ABOVE THE INVERT ELEVATION OF THE WASTEWATER MAIN OR MANHOLE AT THE POINT OF TIE-IN. IN INSTANCES WHERE THIS IS NOT POSSIBLE, A BACKWATER VALVE SHALL BE INSTALLED IN THE SEWER SERVICE

AUD WATER NOTES

1. AN AUD INSPECTOR SHALL BE PRESENT OR SECTION LEFT UNCOVERED UNTIL INSPECTED BY THE INSPECTOR WHEN A TAP, TIE-IN OCCURS, RESTRAINED JOINTS ARE INSTALLED, BENDS, FITTINGS, FIRE HYDRANTS, VALVES AND PRESSURE TESTING. CONTRACTOR IS TO PROVIDE AT LEAST 48 HOUR NOTICE (TWO WORKING DAYS) IN ADVANCE DURING REGULAR WORKING HOURS (8:30 AM TO 5:00 PM, MONDAY-FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS).
2. ALL PVC WATER LINES SHALL BE A MINIMUM DR-18 PVC MEETING AWWA C-900 AND/OR C-905, UNLESS OTHERWISE SHOWN OR SPECIFIED.
3. ALL DIP WATER LINES SHALL BE CLASS 350 FOR LINES 16" DIAMETER AND SMALLER, AND CLASS 300 FOR LINES 18" DIAMETER THROUGH 24" DIAMETER, UNLESS OTHERWISE SPECIFIED OR SHOWN.
4. ALL NEW WATER LINES SHALL BE INSTALLED PER PIPELINE MANUFACTURER RECOMMENDATIONS.
5. ALL WATER LINES SHALL BE TESTED, CHLORINATED, AND CHECKED FOR BACTERIA PER AUD'S WATER & SANITARY SEWER SYSTEMS-DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS AND DETAILS.
6. COPPER WIRE (12-GAUGE, INSULATED, SINGLE STRAND) SHALL BE ATTACHED ALONG TOP OF ALL BURIED WATER LINES, WRAPPED AROUND SERVICE CORPORATIONS AND BROUGHT UP ON THE OUTSIDE OF ALL VALVE BOXES, STUBBING OUT AT THE TOP TO FACILITATE TRACEABILITY. THIS WIRE SHALL BE PROPERLY SPLICED WITH A WATER PROOF CONNECTOR FOR ELECTRICAL CONNECTIVITY, AND THEN INSULATED TO PROTECT AGAINST CORROSION. (REFERENCE AUD DETAILS WHEN APPLICABLE).
7. DETECTOR TAPE SHALL BE 4 INCHES WIDE AND PLACED 2 FEET ABOVE PIPE. ADD SIMILAR DEVICE TO CONDUIT PER AUD DETAIL 3.6.
8. ALL WATER VALVES ON THE MAIN LINES, INCLUDING HYDRANT LATERALS, SHALL BE OPEN-LEFT IF INSTALLED SOUTH OF GORDON HIGHWAY (S.R. 10), OR OPEN-RIGHT IF INSTALLED NORTH OF GORDON HIGHWAY.
9. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN A METER BOX AT THE TERMINATION POINT OF ALL WATER SERVICES. METER BOXES WILL IN NO WAY BE PLACED UNDER DRIVEWAYS. METER BOXES WILL PREFERABLY BE LOCATED IN THE CENTER OF THE LOT AND WITHIN 1' INSIDE OF THE R/W, AND MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME THE METER IS INSTALLED.
10. WATER SERVICES SHALL HAVE MINIMUM DIAMETER OF 1 INCH (REFERENCE AUD DETAILS WHEN APPLICABLE).
11. ANY EXISTING WATER SERVICE LINES WHICH ARE EXTENSIONS OFF AN EXISTING WATER MAIN TO BE ABANDONED DISCOVERED DURING CONSTRUCTION SHALL BE REPLACED. THESE NEW SERVICE LINES ARE TO TIE INTO THE NEW WATER MAIN AND BE RECONNECTED TO THE EXISTING WATER METER.
12. ALL EXISTING WATER SERVICES SHALL BE EXTENDED AND METER BOXES RELOCATED AS REQUIRED BEYOND THE LIMITS OF CONSTRUCTION. THE SERVICES SHALL BE CONNECTED TO THE NEW WATER MAIN AFTER SAID MAIN HAS BEEN STERILIZED, PRESSURE TESTED AND PUT INTO SERVICE. IN THE EVENT THAT THE SERVICE LINE IS NOT ACTIVE, A NEW WATER SERVICE WILL BE REQUIRED TO BE CONSTRUCTED.
13. ALL WATER METERS SHALL BE PURCHASED FROM AUD CONSTRUCTION AND MAINTENANCE DIVISION.
14. THE DEVELOPER/CONTRACTOR SHALL LOCATE WATER SERVICES AND VALVES BY ETCHING A "W" FOR THE WATER SERVICE AND A “V” FOR A VALVE IN THE CURB OR IN THE PAVEMENT IF NO CURB IS AVAILABLE, AND HIGHLIGHT THE ETCHING WITH BLUE PAINT PER THE APWA UNIFORM COLOR CODE. IN THE EVENT THAT THE VALVE IS LOCATED BEHIND THE CURB OR PAVEMENT, INVERT THE “V” MARKING SO THAT IT POINTS TO THE VALVE OUTSIDE THE ROADWAY.
15. FIRE HYDRANTS ARE TO BE LOCATED A MINIMUM OF ONE FOOT INSIDE EXISTING RIGHT-OF-WAY WITH A 3 FOOT RADIUS CLEARANCE.
16. EXISTING FIRE HYDRANTS AND METERS THAT ARE REMOVED SHALL BE TURNED OVER TO AUD.
17. PER AUD'S WATER & SANITARY SEWER SYSTEMS-DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS AND DETAILS:
    a. FOR BACKFLOW INSTALLATIONS FOR NON-RESIDENTIAL DEVELOPMENT, A MINIMUM "DOUBLE-CHECK" BACKFLOW-PREVENTION DEVICE SHALL BE INSTALLED ON THE CUSTOMER'S SIDE OF ALL SERVICES.
    b. FIRE LINES REQUIRE A MINIMUM "DOUBLE DETECTOR" BACKFLOW DEVICE.
    c. FOR BACKFLOW INSTALLATIONS FOR RESIDENTIAL DEVELOPMENTS, A "DUAL CHECK" BACKFLOW DEVICE SHALL BE INSTALLED ON THE CUSTOMER'S SIDE OF THE SERVICE LINE AT THE POINT OF TIE-IN TO THE WATER METER.
    d. FOR SOME MEDIUM HAZARD TO HIGH HAZARD LOCATIONS, A REDUCED PRESSURE ZONE (RPZ) BACKFLOW DEVICE WILL BE REQUIRED.
18. BACKFLOW DEVICES SHALL BE TESTED BY A CERTIFIED PERSON WITHIN FIVE (5) WORKING DAYS OF INSTALLATION AND THE RESULTS FURNISHED TO THE AUD BACK FLOW INSPECTOR WITHIN 10 WORKING DAYS OF INSTALLATION PRIOR TO ANY WATER USE. AUD SHALL BE NOTIFIED PRIOR TO TESTING CONTACT THE AUGUSTA UTILITIES BACK FLOW INSPECTOR AT 706-722-1639.

GENERAL AUD NOTES

1. ALL CONSTRUCTION OF WATER DISTRIBUTION SYSTEMS AND WASTEWATER COLLECTION SYSTEM LINES SHALL BE IN ACCORDANCE WITH AUGUSTA UTILITIES DEPARTMENT (AUD) WATER & SANITARY SEWER SYSTEMS-DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS AND DETAILS (LATEST PUBLICATION).
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATION, SIZE, AND MATERIAL OF ANY EXISTING WATER OR SANITARY SEWER UTILITY PROPOSED FOR CONNECTION OR USE BY THE PROJECT.
3. CONTRACTOR SHALL CONTACT THE UTILITIES PROTECTION INC. "CALL BEFORE YOU DIG" SERVICE (811) IN ORDER TO LOCATE UTILITIES PRIOR TO STARTING ANY EXCAVATION OR CONSTRUCTION. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON PLANS ARE APPROXIMATE AS DETERMINED FROM EXISTING RECORDS.
4. THE CONTRACTOR SHALL COORDINATE THE WORK OF THE UTILITY COMPANIES.
5. THE AUGUSTA ENGINEERING DEPARTMENT (AED) SHALL BE NOTIFIED AT LEAST 48 HOURS (TWO WORKING DAYS) IN ADVANCE DURING REGULAR WORKING HOURS (8:30AM TO 5:00PM, MONDAY-FRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS) PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY WITHIN AUGUSTA, GEORGIA RIGHT-OF-WAY. CONTACT AED AT (706-821-1706).
6. THE AUD ENGINEERING DIVISION SHALL BE NOTIFIED AT LEAST 48 HOURS (TWO WORKING DAYS) IN ADVANCE DURING REGULAR WORKING HOURS (8:30 AM TO 5:00 PM, MONDAYFRIDAY, EXCLUDING AUGUSTA, GEORGIA HOLIDAYS) PRIOR TO ANY CONSTRUCTION, TIE-INS, OR TESTING OF WATER OR WASTEWATER UTILITIES. NO WORK SHALL COMMENCE UNTIL CONTACT IS MADE WITH THE PROJECT'S AUD INSPECTIONS REPRESENTATIVE.
7. DISTURBANCE OF ANY SURVEY MARKERS OR MONUMENTS REQUIRES RE-ESTABLISHMENT BY A PROFESSIONAL LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. DOCUMENTATION OF THE WORK MUST BE PRESENTED TO THE AUD ENGINEERING DIVISION BEFORE THE PROJECT IS COMPLETED.
8. ANY DISCREPANCIES, ERRORS, OR OMISSIONS DISCOVERED ON PLANS OR IN THE SPECIFICATIONS SHOULD BE NOTED ON THE CONTRACT PROPOSAL AND DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO CORRECT THE SAME.
9. ALL CONCRETE SHALL AND HAVE MINIMUM 28-DAY STRENGTH OF 3,000 PSI.
10. IF A CONFLICT ARISES BETWEEN THE NEW WORK AND THE EXISTING WATER AND SEWER UTILITIES DURING THE COURSE OF CONSTRUCTION, IT WILL BE THE RESPONSIBILITY OF THE OWNER/DEVELOPER/CONTRACTOR, AT THEIR EXPENSE AND NOT AUD'S, TO CORRECT THE DISCREPANCY AS DIRECTED BY A REPRESENTATIVE OF AUD.
11. ALL EXISTING AUGUSTA ROAD STRUCTURES SUCH AS STORM MANHOLES, INLET BOXES, ETC., SHALL BE MAINTAINED AND OR ADJUSTED AS IS APPROPRIATE TO ENSURE PROPER USE.
12. ALL MATERIALS DEEMED SALVAGEABLE BY AUD ARE THE PROPERTY OF AUGUSTA, GEORGIA AND WILL BE REMOVED AND STORED ON SITE IN A SECURED AREA DETERMINED DURING CONSTRUCTION BY THE CONTRACTOR, AND AUGUSTA UTILITIES DEPARTMENT.
13. FOR PRIVATE DEVELOPMENTS, AUD SHALL NOT BE RESPONSIBLE FOR PAVEMENT PATCHING AND/OR REPLACEMENT AND THE SITE RESTORATION WHENEVER AUD PERFORMS REPAIR, REPLACEMENT OR INSTALLATION WORK.
14. IF AUD MUST REPAIR OR REPLACE UTILITIES ON THE WORK SITE, THEN THE RESPONSIBLE PARTY SHALL ARRANGE FOR ACCESS BY AUD AS REQUIRED TO REPAIR OR REPLACE THE UTILITY.
15. A MINIMUM (20') UTILITY EASEMENT CENTERED OVER ALL WATER LINES AND A MINIMUM 20' UTILITY EASEMENT CENTERED OVER ALL WASTEWATER LINES SHALL BE DEEDED TO AUGUSTA, GEORGIA AT COMPLETION AND ACCEPTANCE OF SAID LINES. EASEMENTS CONTAINING BOTH WATER AND SEWER SHALL BE 10' FROM THE CENTER OF THE UTILITY TO OUTSIDE OF THE EASEMENT, WHILE MAINTAINING MINIMUM SEPARATION REQUIREMENTS AS LISTED IN AUD'S WATER AND SANITARY SEWER SYSTEMS-DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS, AND DETAILS.
16. A RIGHT-OF-WAY ENCROACHMENT PERMIT SHALL BE OBTAINED FROM AED PRIOR TO COMMENCING ANY WORK WITHIN AN AUGUSTA, GEORGIA RIGHT-OF-WAY. THE UTILITIES ENCROACHMENT PERMIT MUST BE APPLIED FOR THROUGH AUD.
17. "A GEORGIA DOT RIGHT-OF-WAY ENCROACHMENT PERMIT MAY BE REQUIRED FOR WORK ON TEMPORARY OR PERMANENT STATE ROUTES. CONTACT AUD ENGINEERING DIVISION TO DETERMINE IF A PERMIT IS REQUIRED. THE UTILITIES ENCROACHMENT PERMIT MUST BE APPLIED FOR THROUGH AUD. CONDITIONS OF THE PERMIT MUST BE COMPLIED WITH FULLY. THE PERMIT MUST BE IN HAND A MINIMUM 24 HOURS NOTICE GIVEN TO GDOT PRIOR TO BEGINNING ANY WORK IN THE GDOT RIGHT-OF-WAY."
18. TRAFFIC CONTROL DEVICES SHALL MEET AND BE INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALSO, A TRAFFIC CONTROL/DETOUR PLAN SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL AS NOTED IN THE AUGUSTARICHMOND COUNTY, GEORGIA-RIGHTS OF WAY ENCROACHMENT GUIDELINES.
19. THE CONTRACTOR AND THE AUD REPRESENTATIVE SHALL HAVE A COPY OF THE AUGUSTARICHMOND COUNTY, GEORGIA-RIGHTS OF WAY ENCROACHMENT GUIDELINES DEVELOPMENT DOCUMENT #15, ADOPTED JUNE 1999, AMENDED AUGUST 2000, AMENDED JUNE 2021. THE REQUIREMENTS SET FORTH IN THIS DOCUMENT SHALL BE ADHERED TO AT ALL TIMES.
20. CLEARING AND GRUBBING SHALL BE AT THE CONTRACTOR'S DISCRETION, SUBJECT TO AUD APPROVAL, TO FACILITATE CONSTRUCTION.
21. THE IMPLEMENTATION OF BEST MANAGEMENT PRACTICES (BMP'S) FOR EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA SHALL BE INSTALLED AND MAINTAINED AT ALL TIMES.



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A1 / C-301 **UTILITY PLAN**
SCALE: 1"=30'

SCALE: 1" = 30'

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 036340 WILLIAM TARRANT BUCHANAN 04/29/25

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO.	3042.2403
DRAWN BY :	WTB
CHECKED BY :	WLD
DATE:	04/03/2024

SHEET TITLE : **UTILITY PLAN**

SCALE: 1" = 30'

DRAWING NO. **C-301** REV. **A**

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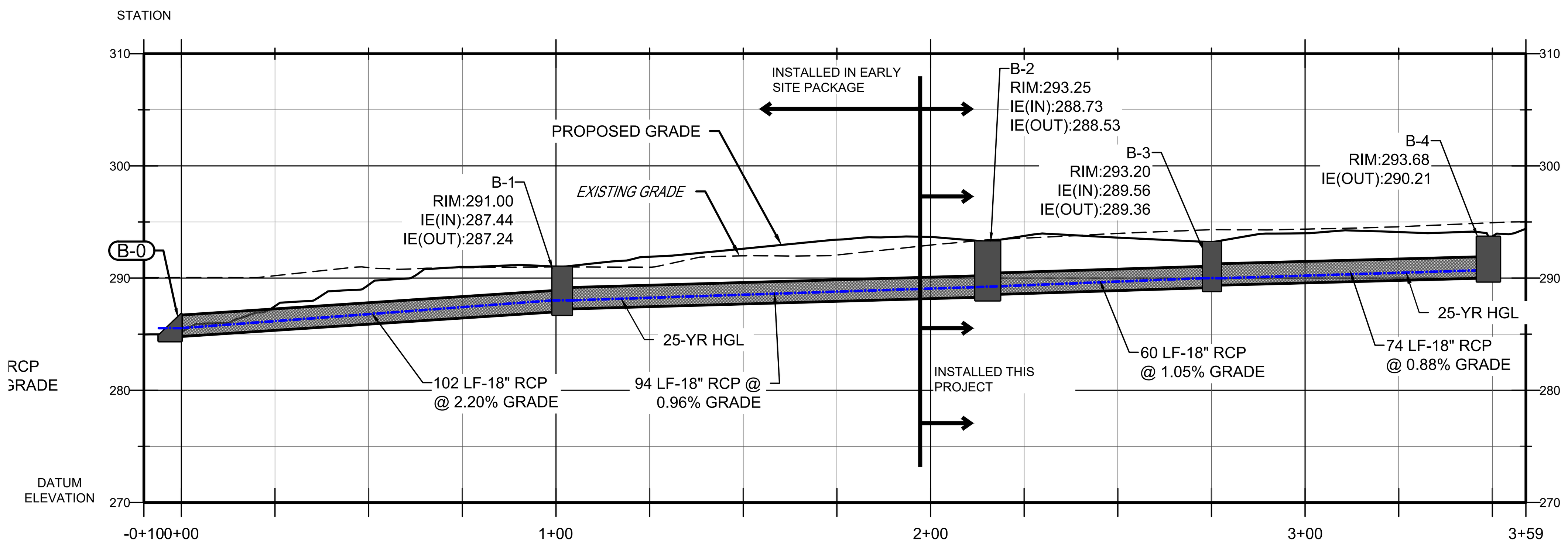

C/L SD-B PROFILE

SCALE: HOR: 1" = 30'
VER: 1" = 10'

1 / C-401 **MISCELLANEOUS PROFILES**
SCALE: 1"=30'

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PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024

SHEET TITLE : **MISCELLANEOUS PROFILES**

SCALE: AS SHOWN
DRAWING NO. **C-401** REV. **A**

ISSUED FOR BID / PERMIT

GEORGIA UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd (Type)	CHECKDAM Cd-S (Stone) Cd-Hb (Haybale) Cd-L (Sediment Log)			A SMALL TEMPORARY BARRIER DAM CONSTRUCTED ACCROSS A SWALE, DRAIN-AGE DITCH OR AREA OF CONCENTRATED FLOW.
Co (Size)	CONSTRUCTION EXIT		Co (LABEL)	A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS.
Cr	ROAD CONSTRUCTION STABILIZATION		Cr	A TRAVELWAY CONSTRUCTED AS PART OF A CONSTRUCTION PLAN INCLUDING ACCESS ROADS, SUBDIVISION ROADS, PARKING AREAS AND OTHER ON-SITE VEHICLE TRANSPORTATION ROUTES.
Di	DIVERSION			AN EARTH CHANNEL WITH OR WITHOUT A SUPPORTING RIDGE ON THE LOWER SIDE LOCATED ABOVE, BELOW, OR ACROSS A SLOPE TO DIVERT RUNOFF. THIS MAY BE A TEMPORARY OR PERMANENT STRUCTURE.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE		Dn1 (LABEL)	A FLEXIBLE CONDUIT OF HEAVY-DUTY FABRIC OR OTHER MATERIAL DESIGNED TO SAFLEY CONDUCT SURFACE RUNOFF DOWN A SLOPE. THIS IS TEMPORARY AND INEXPENSIVE.
Fr	FILTER RING		Fr	A TEMPORARY STONE BARRIER CONSTRUCTED AT STORM DRAIN INLETS AND POND OUTLETS
Lv	LEVEL SPREADER			A STRUCTURE TO CONVERT CONCENTRATED FLOW OF WATER INTO LESS EROSIVE SHEET FLOW. THIS SHOULD BE CONSTRUCTED ONLY ON UNDISTURBED SOILS.
Sd1	SEDIMENT BARRIER Sd1-NS (Non-Sensitive) Type "A" & Type "B" Silt Fences Sd1-S (Sensitive) Type "C" Silt Fence; Other Practices: Sd1-S Sandbags Sd1-Hb Haybales Sd1-Bb Brush Barrier Sd1-M Mulch		TYPE (INDICATE TYPE)	A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS AND POLES, GRAVEL, OR A SEDIMENT FENCE. THE BARRIERS ARE USUALLY TEMPORARY AND INEXPENSIVE.
Sd2	SEDIMENT TRAP, INLET Sd2-F Filter Fabric & Frame Sd2-B Baffle Box Sd2-GB Gravel Bags Inlet Protection Sd2-G Gravel Drop Inlet Protection Sd2-S Sod Inlet Protection Sd2-P Pigs-in-blanket Sd2-SS Silt Saver EXCAV. Excavated Inlet Sediment Trap			AN IMPOUNDING AREA CREATED BY EXCAVATING AROUND A STORM DRAIN DROP INLET. THE EXCAVATED AREA WILL BE FILLED AND STABILIZED ON COMPLETION OF CONSTRUCTION ACTIVITES.
Sd3	TEMPORARY SEDIMENT BASIN		Sd3 (LABEL)	A BASIN CREATED BY EXCAVATION OR A DAM ACROSS A WATERWAY. THE SURFACE WATER RUNOFF IS TEMPORARILY STORED ALLOWING THE BULK OF THE SEDIMENT TO DROP OUT.
Sd4	TEMPORARY SEDIMENT TRAP Sd4-A Overflow Sd4-B Straw Bale and Silt Fence Sd4-C Rock Outlet			A SMALL TEMPORARY POND THAT DRAINS A DISTURBED AREA SO THAT SEDİMENT CAN SETTLE OUT. THE PRINCIPLE FEATURE DISTINGUISHING A TEMPORARY SEDIMENT TRAP FROM A TEMPORARY SEDIMENT BASIN IS THE LACK OF A PIPE OR RISER.
St	STORM DRAIN OUTLET PROTECTION		St	A PAVED OR SHORT SECTION OF RIPRAP CHANNEL AT THE OUTLET OF A STORM DRAIN SYSTEM PREVENTING EROSION FROM THE CONCENTRATED RUNOFF.
Su	SURFACE ROUGHENING		Su	A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS ON A CONTOUR OR SLOPES LEFT IN A ROUGHENED CONDITION AFTER GRADING.
Tp (Size)	TOPSOILING		Tp (SHOW STRIPING & STORAGE AREAS)	THE PRACTICE OF STRIPPING OFF THE MORE FERTILE TOP SOIL, STORING IT, THEN SPREADING IT OVER THE DISTURBED AREA AFTER THE COMPLETION OF CONSTRUCTION ACTIVITIES.
Tr	TREE PROTECTION		(DENOTE TREE CENTERS)	TO PROTECT DESIRABLE TREES FROM INJURY DURING CONSTRUCTION ACTIVITY.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL			PAVED OR VEGETATIVE WATER OUTLETS FOR DIVERSIONS, TERRACES, BERMS, DIKES OR SIMILAR STRUCTURES.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf (Dist.)	BUFFER ZONE		Bf (LABEL)	STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION OR THE REESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	ESTABLISHING TEMPORARY PROTECTION FOR DISTURBED AREAS WHERE SEEDINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDING COVER.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)		Ds2	ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS.
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)		Ds3	ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREAS.
Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)		Ds4	A PERMANENT VEGETATION USING SODS ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.
Du	DUST CONTROL ON DISTURBED AREAS		Du	CONTROLLING SURFACE AND AIR MOVEMENT DUST ON CONSTRUCTION SITES, ROADWAYS AND SIMILAR SITES.
Ss	SLOPE STABILIZATION		Ss	A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS.

STANDARDS & SPECIFICATIONS:
ALL DESIGNS WILL CONFORM TO AND ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "GREEN BOOK" ALSO KNOWN AS THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST EDITION.

SUPPLEMENTAL PRACTICES

CWM	CONCRETE WASTE MANAGEMENT		(INDICATE TYPE)	PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM CONCRETE WASTE BY CONDUCTING WASHOUT OFFSITE, PERFORMING ONSITE WASHOUT IN A DESIGNATED AREA AND TRAINING EMPLOYEES AND SUBCONTRACTORS.
MDS	MATERIAL DELIVERY & STORAGE			PROCEDURES AND PRACTICES FOR THE PROPER HANDLING AND STORAGE OF MATERIALS IN A MANNER THAT MINIMIZES OR ELIMINATES THE DISCHARGE OF THESE MATERIALS TO THE STORM DRAIN SYSTEM OR TO WATERCOURSES.

STANDARDS & SPECIFICATIONS:
ALL DESIGNS WILL CONFORM TO AND ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "GREEN BOOK" ALSO KNOWN AS THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", LATEST EDITION.

PROJECT DATA

OWNER/PRIMARY PERMITTEE/MS4 OPERATOR:
AUGUSTA RICHMOND COUNTY
POC: CHIEF ANTONIO BURDEN
(706) 821-4230
ABURDEN@AUGUSTAGA.GOV

PROJECT ADDRESS:
2649 GORDON HWY.
AUGUSTA, GA 30909

24-HOUR CONTACT FOR ESPC:
WILLIAM BUCHANAN
(706) 550-7124

DISTURBED AREA:
2.10 ACRES

IMPERVIOUS AREA:
PRE-DEVELOPED: 0.0 ACRES
POST-DEVELOPED: 1.0 ACRES

RECEIVING WATER:
TRIBUTARY TO BUTLER CREEK

PROPERTY COORDINATES:
33.4424 ° N
-82.1260° W

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST

STAND ALONE CONSTRUCTION PROJECTS GAR100001

SWCD: DISTRICT

Project Name: FIRE STATION #3 — Address: 2649 GORDON HIGHWAY AUGUSTA, GA 30909
City/County: AUGUSTA / RICHMOND — Date on Plans: 04/24/2025
Name & email of person filling out checklist: WILLIAM T. BUCHANAN WBUCHANAN@THEJLAGROUP.COM

Plan Page #	Included Y/N		TO BE SHOWN ON ES&PC PLAN
C-500	Y	1	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed. Permit IV.D.1. pg 27)
ALL DWGS.	Y	2	Level II certification number issued by the Commission, signature and seal of the certified design professional.(Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed. The Level II certification must be issued to the Design Professional, after completion of a GSWCC approved course, and whose signature and seal are on the plan.)
N/A	N	3	Limits of disturbance shall be less than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include the GAEPD approval letter and completed Appendix 1 of this checklist with at least 4 of the chosen BMP's.* (A copy of the written approval by GAEPD must me attached to the Plan for the Plan to be reviewed. Permit IV.D.3. pg 28
CG001 & C-501	Y	4	The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
CG001 & C-501	Y	5	Provide the name, address, **email address**, and phone number of Primary Permittee.
CG001 & C-501	Y	6	Note total and disturbed acreage of the project or phase under construction.
CG001 & C-501	Y	7	Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
ALL	Y	8	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C-509	Y	9	Description of the nature of construction activity and existing site conditions.
CG001	Y	10	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
CG001 & C-500	Y	11	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C-509	Y	12	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 20** of the permit.
C-509	Y	13	Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriateand comprehensive system of BMPs and sampling to meet permit requirements as stated on **Part IV page 20** of the permit.*
CG001	Y	14	Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect and certify the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation."in accordance with **Part IV.A.5 page 25** of the permit.*
CG001	Y	15	Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
N/A	N	16	Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
CG001	Y	17	Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."*
CG001	Y	18	Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."*
CG001	Y	19	Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
CG001	Y	20	Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
CG001	Y	21	Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding.
CG001 & C-507	Y	22	Any construction activity which discharges storm water into an Biota Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 of this checklist with at least 4 of the chosen BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
C-507	Y	23	If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
C-505	Y	24	BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Include statement that washout of the drum at the construction site is prohibited.*
C-504	Y	25	Provide BMPs for the remediation of all petroleum spills and leaks.
C-507	Y	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
C-507	Y	27	Description of practices to provide cover for building materials and building products on site.*
C-507	Y	28	Description of the practices that will be used to reduce the pollutants in storm water discharges.*
C-506	Y	29	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
C-508	Y	30	Provide complete requirements of Inspections and record keeping by the Primary Permittee.*
C-508	Y	31	Provide complete requirements of Sampling Frequency and Reporting of sampling results.*
C-508	Y	32	Provide complete details for Retention of Records as per Part IV.F. of the permit.*
C-508	Y	33	Description of analytical methods to be used to collect and analyze the samples from each location.*
C-508	Y	34	Appendix B rationale for NTU values at all outfall sampling points where applicable.*
C-501 TO C-503	Y	35	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.
C-501 TO C-503	Y	36	A description of appropriate controls and measures that will be implemented at the construction site including:(1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial sediment storage requirements and initial perimeter control BMP's, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase.*
C-501 TO C-503	Y	37	Graphic scale and North arrow.
C-501 TO C-503	Y	38	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Map Scale / Ground Slope / Contour Intervals, ft. 1 inch = 100ft or larger scale / Flat 0 - 2% / 0.5 or 1 Rolling 2 - 8% / 1 or 2 Steep 8% + / 2, 5 or 10
N/A	N	39	Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
N/A	N	40	Use of alternative BMP for application to the Equivalent BMP List. Refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
N/A	N	41	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
N/A	N	42	Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
H&H RPT.	Y	43	Delineation and acreage of contributing drainage basins on the project site.
H&H RPT.	Y	44	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*
?	?	45	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. For solar farm projects, post-construction impervious area shall be calculated as 70% of total solar panel square footage.
?	?	46	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
C-509	Y	47	Soil series for the project site and their delineation.
C-501 TO C-503	Y	48	The limits of disturbance for each phase of construction.
?	?	49	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by thestorage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible,a written justification explaining this decision must be included in the Plan.
C-501 TO C-503	Y	50	Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual Chapter 6, with legend.
C-504 TO C-506	Y	51	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
C-501 TO C-503, L-101	Y	52	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.
			*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.
			Effective January 1, 2025

GSWCC — Georgia Soil and Water Conservation Commission
WILLIAM T. BUCHANAN
Level II Certified Design Professional
Certification Number 0000065516
Issued: 1/25/2021 Expires: 1/25/2027

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535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED No. 036340 PROFESSIONAL ENGINEER WILLIAM TARRANT BUCHANAN 04/29/25

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

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PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024
SHEET TITLE :	**E.S.P.C. CHECKLIST**
SCALE:	NO SCALE
DRAWING NO.	**C-500**
REV.	**A**

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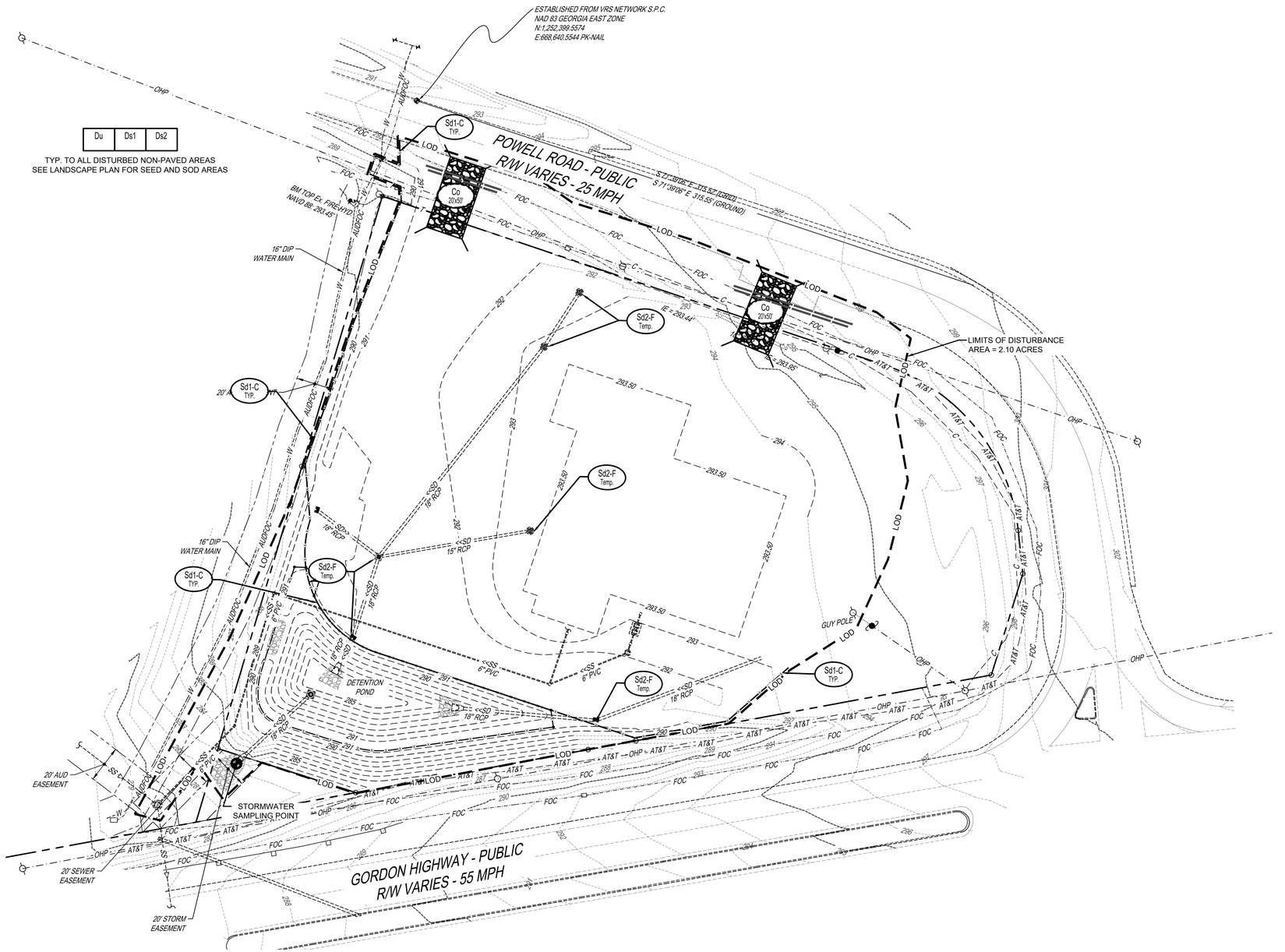

EROSION, SEDIMENTATION & POLLUTION CONTROL LEGEND

- Co — CONSTRUCTION EXIT
- Sd1 — SEDIMENT BARRIER, Sd1-S, Type "C"
- Sd2 — SEDIMENT BARRIER, Sd2-F
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- Du — DUST CONTROL ON DISTURBED AREA
- SAMPLING LOCATION
- LOD — LIMITS OF DISTURBANCE

UTILITY WARNING:
The underground utilities shown have been located from field survey information and existing drawings. The engineer makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The engineer further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The engineer has not physically located the underground utilities.

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1 / C-501 **E.S.P.C. PHASE 1 - INITIAL SEDIMENT STORAGE & PERIMETER CONTROL**
SCALE: 1"=30'

GSWCC Georgia Soil and Water Conservation Commission
WILLIAM T. BUCHANAN
Level II Certified Design Professional
Certification Number 0000065516
Issued: 1/25/2021 Expires: 1/25/2027

N
30' 15' 0 30' 60'
SCALE: 1" = 30'

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GEORGIA REGISTERED No. 036340 PROFESSIONAL ENGINEER WILLIAM TARRANT BUCHANAN
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REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO. 3042.2403
DRAWN BY : DRWN
CHECKED BY : CHK
DATE: 04/03/2024

SHEET TITLE :
E.S.P.C. PHASE 1 - INITIAL SEDIMENT STORAGE & PERIMETER CONTROL

SCALE: 1" = 30'

DRAWING NO. **C-501** REV. A

ISSUED FOR BID / PERMIT

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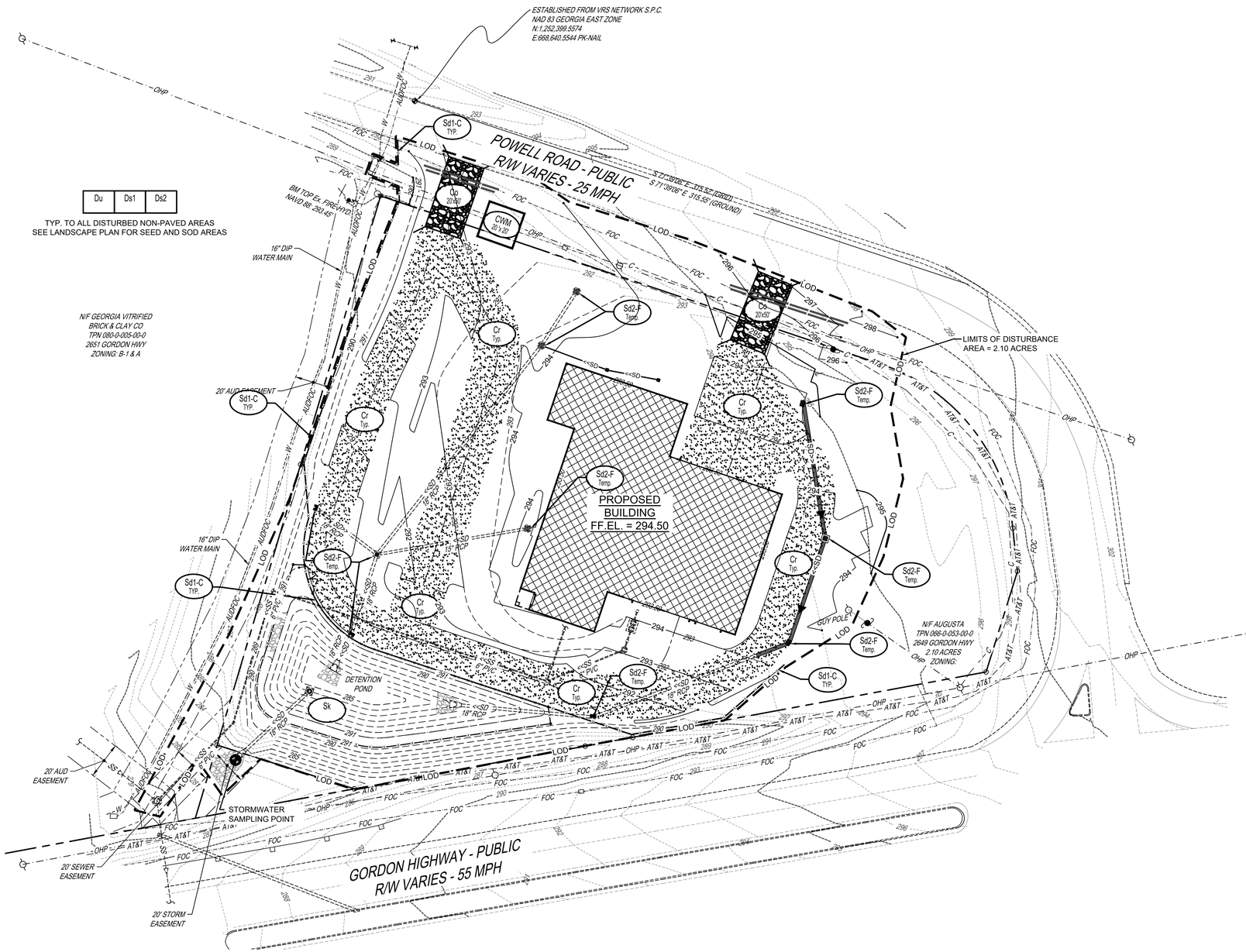

EROSION, SEDIMENTATION & POLLUTION CONTROL LEGEND

Co	CONSTRUCTION EXIT
Cr	CONSTRUCTION ROAD STABILIZATION
CWM	CONCRETE WASTE MANAGEMENT
Sd1	SEDIMENT BARRIER Sd1-S, Type "C"
Sd2	INLET SEDIMENT TRAP Sd2-F
Sk	SKIMMER
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Du	DUST CONTROL ON DISTURBED AREA
SL	SAMPLING LOCATION
LOD	LIMITS OF DISTURBANCE

UTILITY WARNING:
The underground utilities shown have been located from field survey information and existing drawings. The engineer makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The engineer further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The engineer has not physically located the underground utilities.

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A1 / C-502 **E.S.P.C. PHASE 2 - INTERMEDIATE GRADING & DRAINAGE**
SCALE: 1"=30'

GSWCC Georgia Soil and Water Conservation Commission
WILLIAM T. BUCHANAN
Level II Certified Design Professional
Certification Number 0000065516
Issued: 1/25/2021 Expires: 1/25/2027

N
30' 15' 0 30' 60'
SCALE: 1" = 30'

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY. - AUGUSTA, GA 30909

GEORGIA REGISTERED No. 036540 PROFESSIONAL ENGINEER WILLIAM TARRANT BUCHANAN

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
1	3/14/19	WTB	ADDENDUM NO. 2
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO. 3042.2403
DRAWN BY : DRWN
CHECKED BY : CHK
DATE: 04/03/2024

SHEET TITLE :
E.S.P.C. PHASE 2 - INTERMEDIATE GRADING & DRAINAGE

SCALE: 1" = 30'

DRAWING NO. **C-502** REV. A

ISSUED FOR BID / PERMIT

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ISO A1 (594.00 x 841.00 MM)

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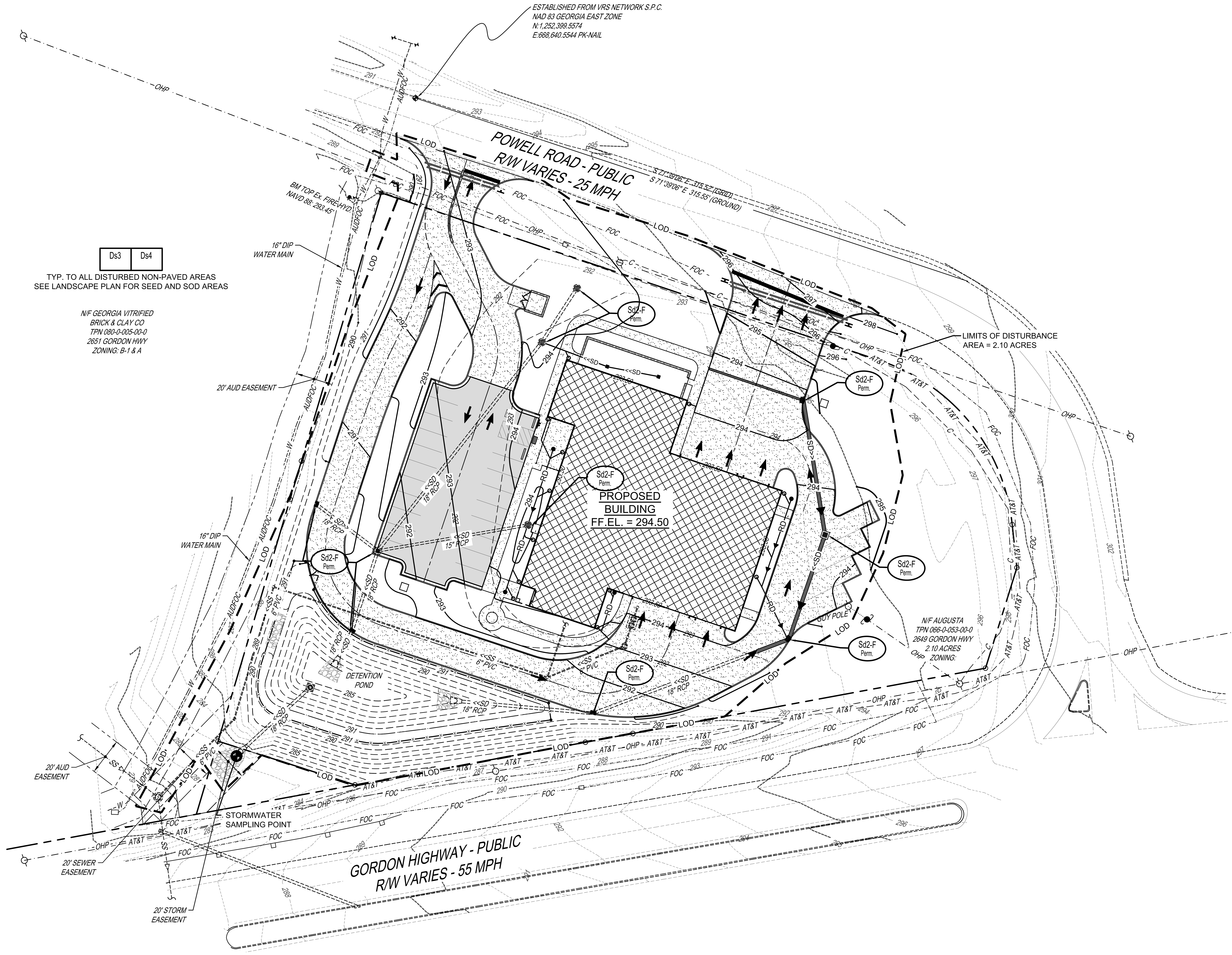
EROSION, SEDIMENTATION & POLLUTION CONTROL LEGEND

Symbol	Description
Sd2 (Sd2-F)	INLET SEDIMENT TRAP
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)
Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)
(symbol)	SAMPLING LOCATION
— LOD —	LIMITS OF DISTURBANCE



1 / C-503 **E.S.P.C. PHASE 3 - FINAL STABILIZATION**
SCALE: 1"=30'

UTILITY WARNING:
The underground utilities shown have been located from field survey information and existing drawings. The engineer makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The engineer further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The engineer has not physically located the underground utilities.

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30' 15' 0 30' 60'
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CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 036340 — WILLIAM TARRANT BUCHANAN

GEORGIA — JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 — CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024

SHEET TITLE : **E.S.P.C. PHASE 3 - FINAL STABILIZATION**

SCALE: 1" = 30'
DRAWING NO. **C-503** REV. **A**

ISSUED FOR BID / PERMIT

SITE CONSTRUCTION POLLUTION NOTES

1. CONSTRUCTION WASTES INCLUDES DEMOLITION RUBBLE, PACKAGING MATERIALS, SCRAP BUILDING SUPPLIES, ETC. CONTRACTOR SHALL SELECT A DESIGNATED WASTE COLLECTION AREA AND PROVIDE IDS FOR WASTE CONTAINERS. CONSTRUCTION WASTES SHALL BE REMOVED ON A CONSISTENT SCHEDULE.
2. PESTICIDES SHALL BE STORED IN A DRY, COVERED AREA. CONTRACTOR SHALL PROVIDE CURBS, DIKES, OR BERMS SURROUNDING STORAGE AREAS. APPLICATION RATES SHALL BE FOLLOWED STRICTLY.
3. FERTILIZER AND DETERGENT APPLICATIONS ARE TO BE LIMITED TO THE MINIMUM NEEDED. CONTRACTOR SHALL NOT DISCHARGE WASH WATER INTO THE STORM WATER SYSTEM.
4. PETROLEUM PRODUCTS INCLUDE OIL, GASOLINE, LUBRICANTS, AND ASPHALTIC SUBSTANCES AND SHALL BE STORED IN COVERED AREAS PROTECTED BY DIKES. CONTRACTOR SHALL HAVE EQUIPMENT TO CONTAIN AND CLEAN UP PETROLEUM SPILLS IN FUEL STORAGE AREAS OR MAINTENANCE AND FUELING VEHICLES.
5. SANITARY AND SEPTIC WASTES INCLUDE ON-SITE SANITARY FACILITIES. LOCATION OF THESE FACILITIES SHALL BE OUT OF HIGH FLOW AREAS. REGULAR SERVICING BY A QUALIFIED DOMESTIC WASTE HAULER IS REQUIRED. PROPOSED SANITARY SEWER WILL TIE INTO AN EXISTING COUNTY SYSTEM.
6. CONTRACTOR SHALL STORE AND HANDLE MATERIALS TO PREVENT SPILLS. IF A SPILL OCCURS, CONTACT TO STORM WATER SHALL BE MINIMIZED.
7. PRIOR TO MOBILIZATION, THE CONTRACTOR SHALL SUBMIT PROPOSED LOCATIONS OF ANY POTENTIAL POLLUTANT TO THE ENGINEER FOR APPROVAL.
8. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

SITE MAINTENANCE NOTES:

1. THE DESIGN PROFESSIONAL WHO PREPARED E.S. & P.C. PLAN SHALL INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.
2. ANY AMENDMENTS AND/OR REVISIONS TO THE E.S. & P.C. PLANS WHICH WILL HAVE A SIGNIFICANT EFFECT ON BMP'S WITH HYDRAULIC COMPONENTS MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
3. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
4. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.
5. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT SEDIMENT SOURCE.
6. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
7. DEVELOPERS AND/OR CONTRACTORS ARE RESPONSIBLE TO REMOVE OR CLEAN OUT ANY SILT, DIRT, MUD OR ANY OTHER TYPE OF DEBRIS THAT COMES OFF THEIR SITE AND FINDS ITS WAY INTO A PRIVATE POND, ONTO PRIVATE PROPERTY, INTO A COUNTY OWNED POND OR COUNTY OWNED PROPERTY TO INCLUDE RIGHTS-OF-WAY.
8. THE CONTRACTOR SHALL COMPLY WITH THE "GEORGIA MANUAL FOR ON-SITE SEWAGE MANAGEMENT SYSTEMS" FOR WASTE DISPOSAL, SANITARY SEWER AND/OR SEPTIC TANK INCLUDING ALL TEMPORARY MEASURES DURING CONSTRUCTION AND AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.

FUGITIVE DUST CONTROL NOTES

GA. RULE [391-3-1-.02] - (N) - FUGITIVE DUST CONTROL

1. ALL PERSONS RESPONSIBLE FOR ANY OPERATION, PROCESS, HANDLING, TRANSPORTATION OR STORAGE FACILITY WHICH MAY RESULT IN FUGITIVE DUST SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT SUCH DUST FROM BECOMING AIRBORNE. SOME REASONABLE PRECAUTIONS WHICH COULD BE TAKEN TO PREVENT DUST FROM BECOMING AIRBORNE INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

(I) USE, WHERE POSSIBLE, OF WATER OR CHEMICALS FOR CONTROL OF DUST IN THE DEMOLITION OF EXISTING BUILDINGS OR STRUCTURES, CONSTRUCTION OPERATIONS, THE GRADING OF ROADS OR THE CLEARING OF LAND;
II)APPLICATION OF ASPHALT, OIL, WATER, OR SUITABLE CHEMICALS ON DIRT ROADS, MATERIALS, STOCKPILES, AND OTHER SURFACES WHICH CAN GIVE RISE TO AIRBORNE DUSTS;
(III) INSTALLATION AND USE OF HOODS, FANS, AND FABRIC FILTERS TO ENCLOSE AND VENT THE HANDLING OF DUSTY MATERIALS. ADEQUATE CONTAINMENT METHODS CAN BE EMPLOYED DURING SANDBLASTING OR OTHER SIMILAR OPERATIONS;
(IV) COVERING, AT ALL TIMES WHEN IN MOTION, OPEN BODIED TRUCKS, TRANSPORTING MATERIALS LIKELY TO GIVE RISE TO AIRBORNE DUSTS;
(V) THE PROMPT REMOVAL OF EARTH OR OTHER MATERIAL FROM PAVED STREETS ONTO WHICH EARTH OR OTHER MATERIAL HAS BEEN DEPOSITED.

2. THE PERCENT OPACITY FROM ANY FUGITIVE DUST SOURCE LISTED IN PARAGRAPH (2)(N)1. ABOVE SHALL NOT EQUAL OR EXCEED 20 PERCENT.

LAND GRADING FOR MINIMIZING EROSION

1. ONLY DISTURB, CLEAR, OR GRADE AREAS NECESSARY FOR CONSTRUCTION. FLAG OR OTHERWISE DELINEATE AREAS NOT TO BE DISTURBED. EXCLUDE VEHICLES AND CONSTRUCTION EQUIPMENT FROM THESE AREAS TO PRESERVE
2. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
3. ALL SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND ACCORDING TO THE STANDARDS AND SPECIFICATIONS FOR THE APPROPRIATE EROSION CONTROL PRACTICES.
4. IF TOPSOIL IS REQUIRED FOR THE ESTABLISHMENT OF VEGETATION, IT SHALL BE STOCKPILED IN THE AMOUNT NECESSARY TO COMPLETE FINISHED GRADING AND PROTECTED FROM EROSION DURING THE INTERIM.
5. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL, AND STRIPPED OF TOPSOIL.
6. AREAS TO RECEIVE TOPSOIL SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 INCHES (76 MM) PRIOR TO PLACEMENT OF TOPSOIL.
7. ALL FILLS SHALL BE COMPACTED AS REQUIRED BY BUILDING STANDARDS TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE AND OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES, CONDUITS, ETC., SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
8. THE OUTER FACE OF THE FILL SLOPE SHOULD BE ALLOWED TO STAY LOOSE, NOT ROLLED, COMPACTED, OR BLADED SMOOTH. A BULLDOZER MAY RUN UP AND DOWN THE FILL SLOPE SO THE DOZER TREADS (CLEAT TRACKS) CREATE GROOVES PERPENDICULAR TO THE SLOPE. IF THE SOIL IS NOT TOO MOIST, EXCESSIVE COMPACTION WILL NOT OCCUR.
9. ALL FILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 8 INCHES (0.2 M) PER LIFT.
10. USE SLOPE BREAKS, SUCH AS DIVERSIONS, BENCHES, OR CONTOUR FURROWS AS APPROPRIATE, TO REDUCE THE LENGTH OF CUT-AND-FILL SLOPES TO LIMIT SHEET AND RILL EROSION AND PREVENT GULLY EROSION.
11. THE FINISHED CUT-AND-FILL SLOPES, WHICH ARE TO BE VEGETATED WITH GRASS AND LEGUMES, SHOULD NOT BE STEEPER THAN 2:1.
12. SLOPES TO BE MAINTAINED BY TRACTOR OR OTHER EQUIPMENT SHOULD NOT BE STEEPER THAN 3:1.
13. SLOPES IN EXCESS OF 2:1 MAY REQUIRE HYDROSEEDING, HYDROMULCHING, TACTIFYING, AND/OR "PUNCHING-IN" STRAW, BIOENGINEERING TECHNIQUES, OR RETAINING WALLS.
14. ROUGHEN THE SURFACE OF ALL SLOPES DURING THE CONSTRUCTION OPERATION TO RETAIN WATER, INCREASE INFILTRATION, AND FACILITATE VEGETATION ESTABLISHMENT.
15. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH APPROVED METHODS.
16. STABILIZE ALL GRADED AREAS WITH VEGETATION, CRUSHED STONE, RIPRAP, OR OTHER GROUND COVER AS SOON AS GRADING IS COMPLETED OR IF WORK IS INTERRUPTED FOR 21 WORKING DAYS OR MORE.
17. USE MULCH TO STABILIZE AREAS TEMPORARILY WHERE FINAL GRADING MUST BE DELAYED.
18. STOCKPILES, BORROW AREAS AND SPOIL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE STABILIZED TO PREVENT EROSION AND SEDIMENTATION.

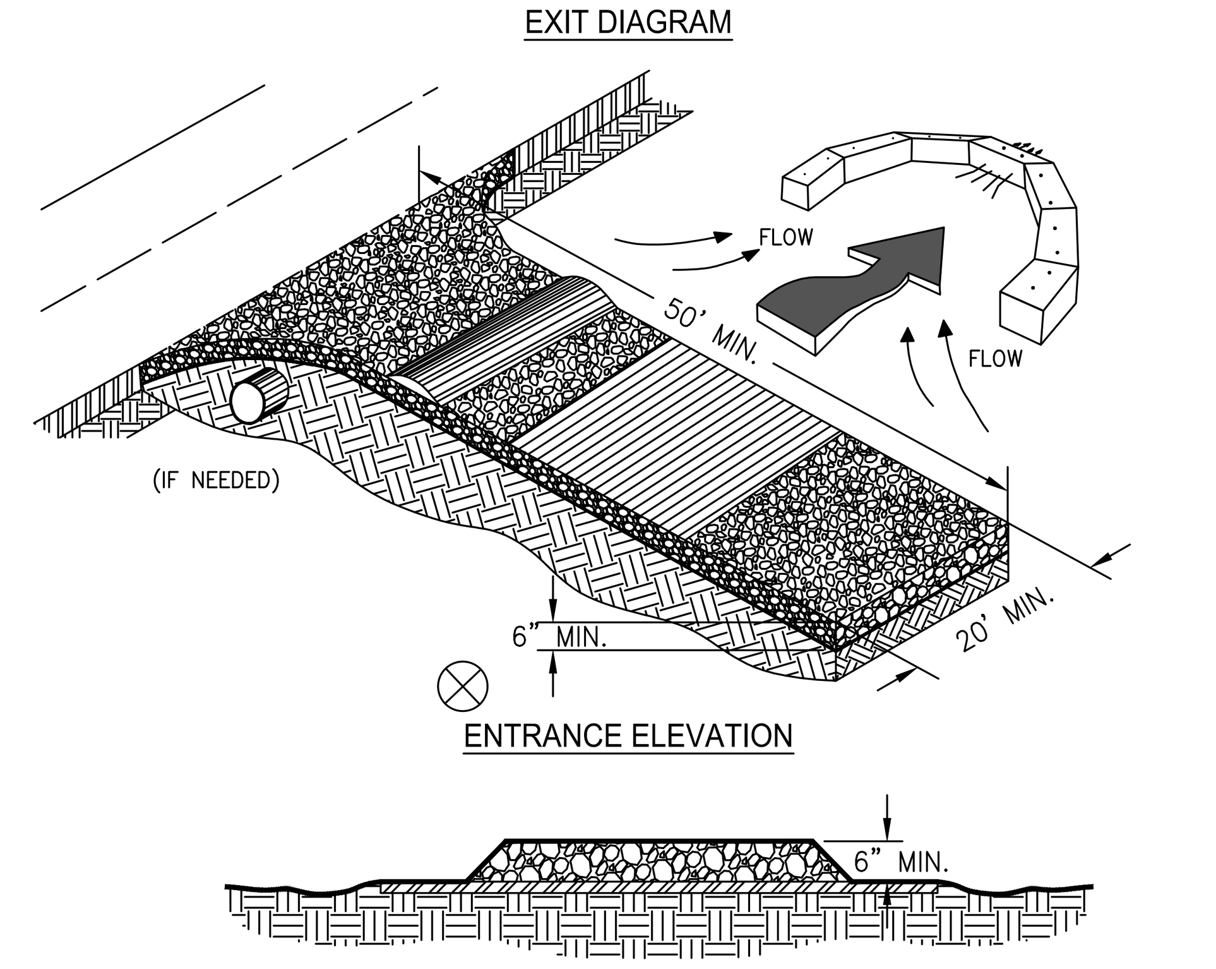
SPILL RESPONSE PLAN

THE GOAL OF THE SPILL RESPONSE PLAN IS TO REDUCE SAFETY, HEALTH, AND ENVIRONMENTAL RISKS ASSOCIATED WITH A HAZARDOUS SUBSTANCE INCIDENT. IN THE EVENT OF A SPILL, THE FOLLOWING ACTIONS SHOULD BE IMPLEMENTED:

1. SECURE AND EVACUATE THE AREA - KEEP UNAUTHORIZED PERSONS OUT OF THE AREA.
2. REPORT THE SPILL -
   - A. ALL SPILLS >5 GALLONS MUST BE IMMEDIATELY REPORTED TO THE FIRE DEPARTMENT AT 911.
   - B. SPILLS THAT ARE ≤5 GALLONS MUST BE REPORTED IF THE SPILL ENTERS A STORM DRAIN, CREEK, LAKE, OR OTHER BODY OF WATER, OR CANNOT BE SAFELY CONTAINED AND CLEANED UP BY ORGANIZATION PERSONNEL.
   - C. PROVIDE ANY PERTINENT INFORMATION, INCLUDING:
     - a. SUBSTANCE SPILLED
     - b. LOCATION OF SPILL
     - c. NATURE AND EXTENT OF INJURIES
     - d. EXTENT TO WHICH SPILL TRAVELED
     - e. ESTIMATED AMOUNT SPILLED
     - f. TIME SPILL OCCURRED
3. PROTECT YOURSELF - EXTINGUISH SMOKING MATERIAL AND IGNITION SOURCES. IDENTIFY THE SUBSTANCE SPILLED AND OBTAIN APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, SUCH AS:
   - a. PROTECTIVE GOGGLES
   - b. PROTECTIVE APRON
   - c. RUBBER OVERBOOTS
   - d. COMPATIBLE RUBBER GLOVES
   - e. RESPIRATORS
4. STOP THE FLOW - STOP OR SLOW FLOW OF HAZARDOUS SUBSTANCE IF IT CAN BE DONE SAFELY.
   - a. PLUG OR PATCH PUNCTURED CONTAINER(S)
   - b. UPRIGHT OVERTURNED OR TIPPED CONTAINER(S)
   - c. CLOSE APPROPRIATE VALVE(S)
5. CONTAIN THE SPILL - THE SPILLED SUBSTANCE SHOULD BE CONTAINED WITHIN THE IMMEDIATE AREA. PREVENT FLOW TODRAINS, DRAINAGE DITCHES, AND SEWER SYSTEMS IF IT CAN BE DONE SAFELY.
   - a. PLACE NONREACTIVE ABSORBENT MATERIAL SUCH AS SAND, EARTH, STRAW, VERMICULITE, ABSORBENT PILLOWS OR BOOMS ON THE SPILL.
   - b. BLOCK THE SPILL FROM ENTERING STORM DRAINS OR SEWERS BY CONSTRUCTING A DIKE AROUND ALL POINTS OF ENTRY.
   - c. IF THE SPILL IS ON THE GROUND, CLEAN IT UP IMMEDIATELY BY DIGGING UP THE CONTAMINATED SOIL, PLACING IT IN PROPER CONTAINERS, AND DISPOSING OF IT PROPERLY.

Du DUST CONTROL BY IRRIGATION

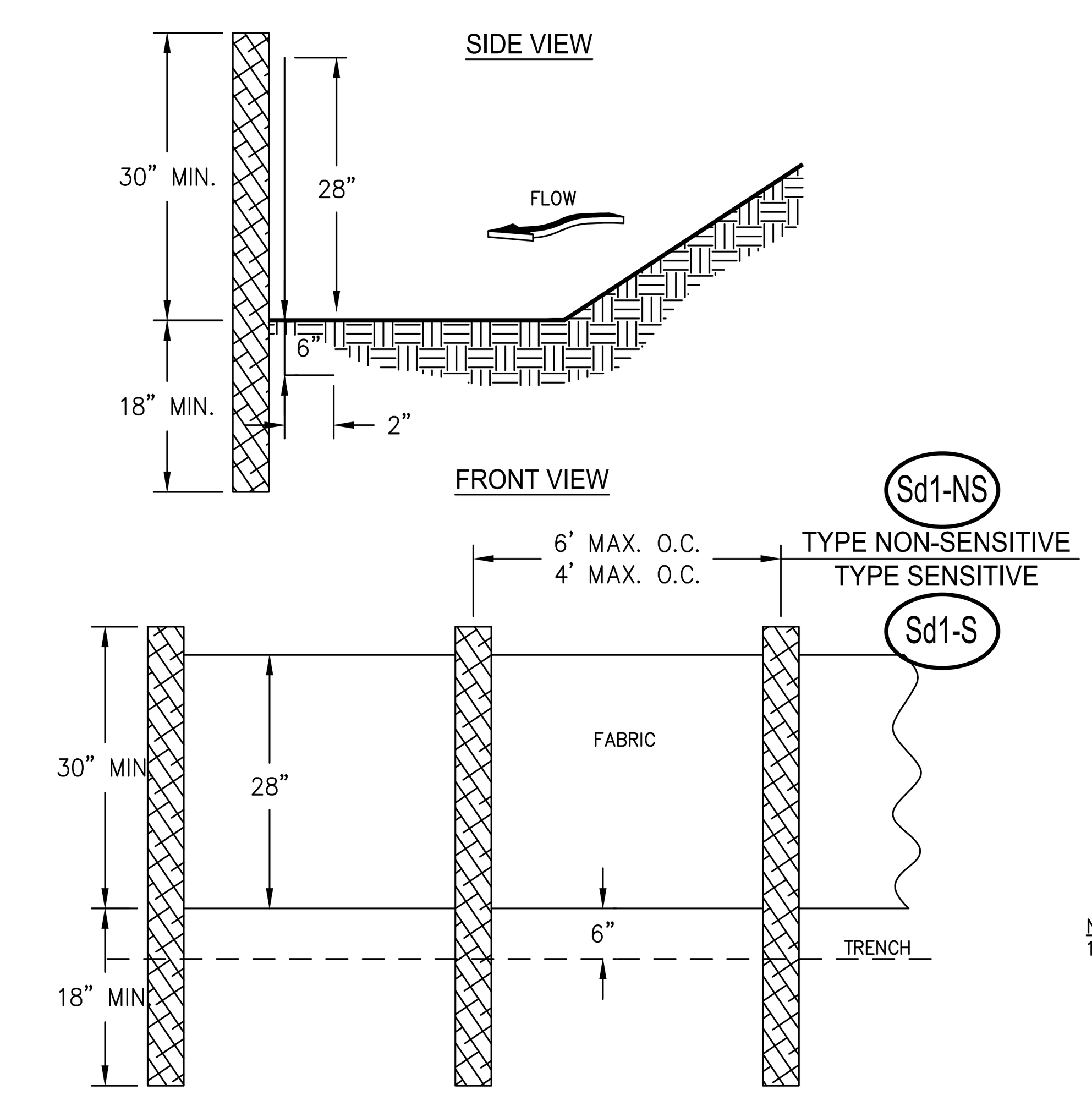
1. THE CONTRACTOR SHALL CONDUCT OPERATIONS AND MAINTAIN THE PROJECT SITE SO AS TO MINIMIZE THE CREATION AND DISPERSION OF DUST. DUST CONTROL SHALL BE USED THROUGHOUT THE WORK AT THE SITE.
2. THE CONTRACTOR MUST PROVIDE CLEAN WATER, FREE FROM SALT, OIL AND OTHER DELETERIOUS MATERIALS TO BE USED FOR ON-SITE DUST CONTROL.
3. THE CONTRACTOR SHALL SUPPLY WATER SPRAYING EQUIPMENT CAPABLE OF ACCESSING ALL WORK AREAS.
4. THE CONTRACTOR SHALL IMPLEMENT STRICT DUST CONTROL MEASURES DURING ACTIVE CONSTRUCTION PERIODS ON-SITE. THESE CONTROL MEASURES WILL GENERALLY CONSIST OF WATER APPLICATIONS THAT SHALL BE APPLIED A MINIMUM OF ONCE PER DAY DURING DRY WEATHER OR MORE OFTEN AS REQUIRED TO PREVENT DUST EMISSIONS.
5. FOR WATER APPLICATION TO UNDISTURBED OIL SURFACES, THE CONTRACTOR SHALL:
   - A. APPLY WATER WITH EQUIPMENT CONSISTING OF TANK, SPRAY BAR, PUMP DISCHARGE PRESSURE GAUGE.
   - B. ARRANGE SPRAY BAR HEIGHT, NOZZLE SPACING AND SPRAY PATTERN TO PROVIDE COMPLETE COVERAGE OF GROUND WATER.
   - C. DISPERSE WATER THROUGH NOZZLES ON SPRAY BAR AT 20 PSI MINIMUM. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS PONDING.
6. FOR WATER APPLICATION TO SOIL SURFACES DURING DEMOLITION AND/OR EXCAVATION, THE CONTRACTOR SHALL:
   - A. APPLY WATER WITH EQUIPMENT CONSISTING OF A TANK, PUMP WITH DISCHARGE GAUGE, HOSES AND MIST NOZZLES.
   - B. LOCATE TANK AND SPRAYING EQUIPMENT SO THAT THE ENTIRE EXCAVATION AREA CAN BE MISTED WITHOUT INTERFERING WITH DEMOLITION AND/OR EXCAVATION EQUIPMENT OR OPERATIONS.
   - C. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS PONDING.
   - D. APPLY WATER SPRAY IN A MANNER TO PREVENT MOVEMENT OF SPRAY BEYOND CONSTRUCTION BOUNDARIES.
7. CONTRACTOR SHALL REFER TO "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" LATEST EDITION FOR ADDITIONAL INFORMATION ON TEMPORARY AND PERMANENT DUST CONTROL BMP'S.



NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

Co CRUSHED STONE CONSTRUCTION EXIT

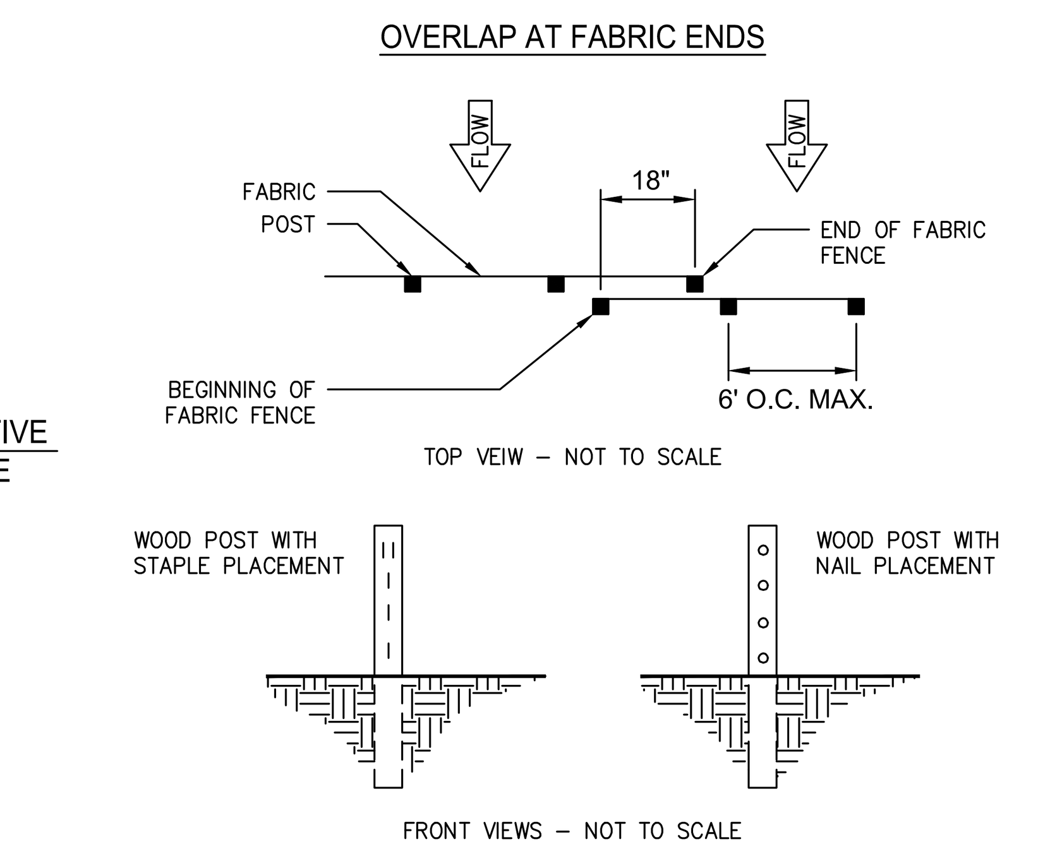
NO SCALE



NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Sd1 SILT FENCE

NO SCALE



NOTES:
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

FASTENERS FOR SILT FENCES

GSWCC Georgia Soil and Water Conservation Commission
WILLIAM T. BUCHANAN
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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 036340 WILLIAM TARRANT BUCHANAN

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

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A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024
SHEET TITLE :	E.S.P.C. NOTES & DETAILS SHT. 1 OF 6
SCALE:	AS NOTED
DRAWING NO.	C-504
REV.	A

ISSUED FOR BID / PERMIT

Plants, Planting Rates, And Planting Dates For Temporary Cover Or Companion Crops					
Species	Rates per Acre	Rates per 1,000 sq. ft.	Planting Dates by Region		
			M-L	P	C
Barley	3 bu.	3.3 lb.	8/15-11/15	8/15-12/15	9/1-12/31
Oats	4 bu.	2.9 lbs.	9/1-11/30	9/1-11/30	9/1-11/30
Triticale	3 bu.	3.3 lbs.	---	---	9/15-1/31
Ryegrass, Annual Rye Grain (alone) Rye Grain (in mixtures)	40 lbs. 3.0 bu. 0.5 bu.	0.9 lb. 3.9 lb. 0.6 lb.	8/1-4/30 7/15-11/30 7/15-11/30	8/1-4/15 8/15-12/31 8/15-12/31	8/15-3/31 9/1-2/28 9/1-2/28
Lespedeza, Annual	40 lbs.	0.9 lb.	2/1-4/30	2/15-4/30	1/15-3/15
Weeping Lovegrass	4 lbs.	0.1 lb.	3/15-6/15	3/15-6/15	2/15-6/15
Sudangrass	60 lbs.	1.4 lb.	4/1-8/31	4/1-8/31	3/1-7/31
Millet, Browntop Millet, Pearl	40 lbs. 50 lbs.	0.9 lbs. 1.1 lbs.	4/1-6/30 5/1-7/31	4/1-7/15 4/15-8/31	4/1-7/15 4/1-8/31
Wheat	3 bu.	4.1 lbs.	9/1-12/31	9/1-12/31	9/15-1/31

1. Temporary cover crops are very competitive and will crown out perennials if seeded too heavily.
2. Reduce seeding rates by 50% when drilled.
3. Unusual site conditions may require heavier seeding rates.
4. Seeding rates may need to be altered to fit temperature variations and local conditions.

Fertilizer Requirements for Temporary Vegetation				
Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	N Top Dressing Rate (lbs./acre)
Cool season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 -- 30
Cool season grasses & legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	0-50 -- --
Temporary cover crops seeded alone	First	10/10/10	500	30
Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30

M-L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont Region MLRA
C represents the Southern Coastal Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs

Plants, Planting Rates, And Planting Dates For Permanent Cover						
Species	Rate per Acre	Rates per 1,000 sq. ft.	Planting Dates by Region			Remarks
			M-L	P	C	
Bermuda, Common (Hulled seed) Alone With Perennials	10 lbs. 6 lbs.	0.2 lb. 0.1 lb.	---	3/1-6/30	2/15-6/30	Quick cover; low growing; sod forming; needs full sun.
Bermuda, Common (Unhulled seed) With temporary cover With other perennials	10 lbs. 6 lbs.	0.2 lb. 0.1 lb.	---	10/1-2/28	11/1-1/31	Plant with Winter annuals.
Bermuda Sprigs With temporary cover	40cu.ft. Sod plugs 3' x 3'	0.9cu.ft.	3/15-7/15	3/15-7/31	1/1-12/31	1 cu. ft. = 650 sprigs; 1 bu. = 1.25 cu. Ft. or 800 sprigs.

Fertilizer Requirements for Permanent Vegetation				
Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	N Top Dressing Rate (lbs./acre)
Cool season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 -- 30
Cool season grasses & legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	0-50 -- --
Ground covers	First Second Maintenance	10-10-10 10-10-10 10-10-10	1300 1300 1100	-- -- --
Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	--
Shrub Lespedeza	First Maintenance	0-10-10 0-10-10	700 700	-- --
Temporary cover crops seeded alone	First	10-10-10	500	30
Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30
Warm season grasses & legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	50

* APPLY AGRICULTURAL LIME AS PRESCRIBED BY SOIL TESTS OR AT A RATE OF 1 TO 2 TONS PER ACRE

Material	Depth
Dry Straw Or Hay	2" To 4"
Wood Waste (sawdust, Bark, Chips)	2" To 3"
Cutback Asphalt (slow Curing)	1200 Gal./acre (1/4 Gal./sq.yd.)
Black Polyethylene Film	Completely Cover Area; Hold In Place With Soil On Outer Edge

Ds2 TEMPORARY GRASSING

1. ALL SEEDED AREAS WILL BE MULCHED WITH HAY OR STRAW AT A RATE OF 2-2 1/2 TONS PER ACRE WITHIN 24 HRS. AFTER SEEDING. USE OF A TACKIFIER IS REQUIRED ON ALL SLOPES EXCEEDING 3:1.
2. GRASSING WILL BE ACCEPTED WHEN A 95% COVER BY PERMANENT GRASSING IS OBTAINED AND WEEDS ARE NOT DOMINANT.
3. GRASSING OF DISTURBED AREAS WILL COMMENCE AT COMPLETION OF EACH PHASE OF CONSTRUCTION OR IN THE SEQUENCE AS INDICATED. IN ANY CASE, GRASSING OF ANY DISTURBED AREA WILL

Ds3 PERMANENT GRASSING

4. IRRIGATION WILL BE APPLIED AT A RATE THAT WILL NOT CAUSE RUNOFF.
5. TOPDRESSING WILL BE APPLIED ON ALL TEMPORARY & PERMANENT SPECIES PLANTED ALONE OR IN MIXTURES WITH OTHER SPECIES.
6. PERMANENT GRASSING SHALL BE IRRIGATED AND MAINTAINED. BERMUDA GRASS MAY BE MOWED AS DESIRED MAINTAINING AT LEAST 4 TO 6 INCHES OF TOP GROWTH.

Ds1 MULCHING

GRASSING, FERTILIZATION & MULCH

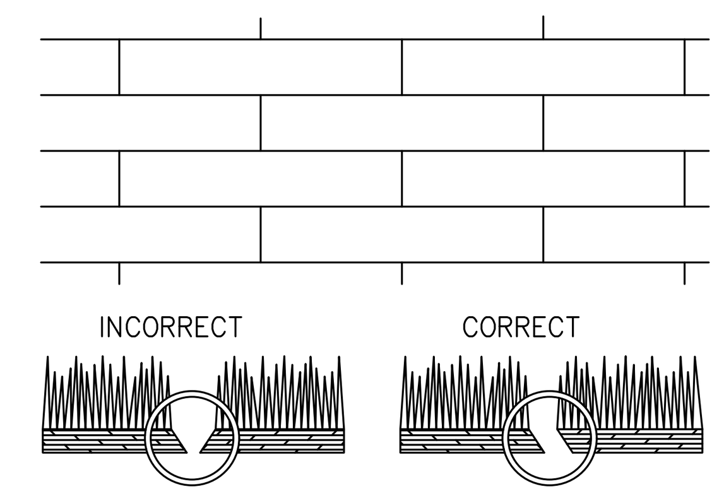
NO SCALE

Table 6-6.1. Fertilizer Requirements for Soil Surface Application			
Fertilizer Type	Fertilizer Rate (lbs/acre)	Fertilizer Rate (lbs/sq ft)	Season
10-10-10	1000	.025	Fall

Table 6-6.2 Sod Planting Requirements			
Grass	Varieties	Resource Area	Growing Season
Bermudagrass	Common Tifway Tifgreen Tiflawn	M-L,P,C P,C P,C P,C	warm weather
Bahiagrass	Pensacola	P,C	warm weather
Centipede	_	P,C	warm weather
St. Augustine	Common Bitterblue Raleigh	C	warm weather
Zoysia	Emerald Myer	P,C	warm weather
Tall Fescue	Kentucky	M-L,P	cool weather

Table 6-6.3 Fertilizer Requirements for Sod				
Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	Nitrogen Top Dressing Rate (lbs./acre)
cool season grasses	first second maintenance	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 - 30
warm season grasses	first second maintenance	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30

SOD LAYOUT AND PREPARATION



LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.

BUTTING: ANGLED ENDS CAUSED BY THE AUTOMATIC SOD CUTTER MUST BE MATCHED CORRECTLY.

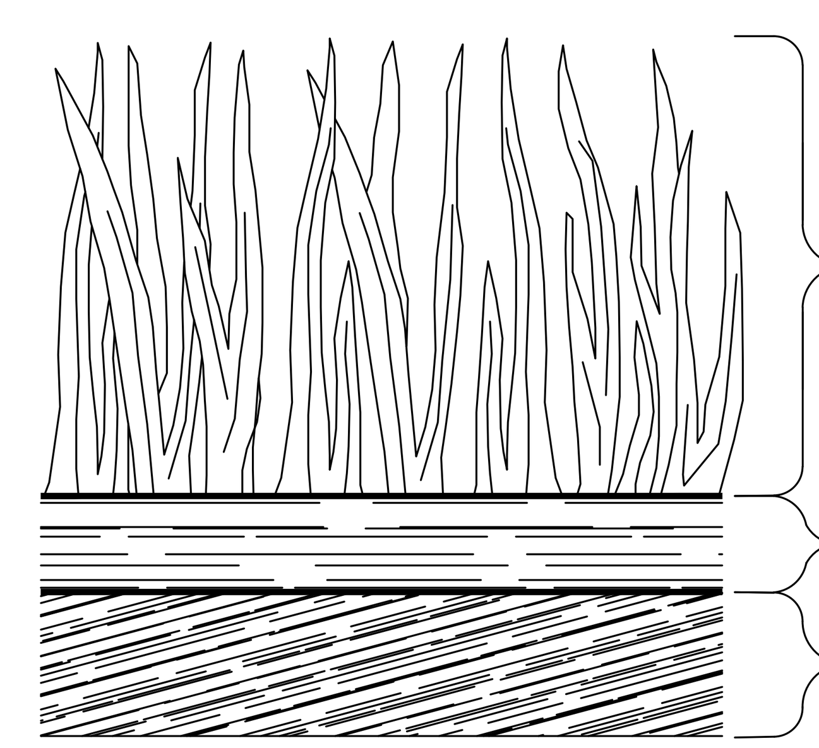
DIRECTIONS FOR INITIAL MAINTENANCE

Step 1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL

Step 2. WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.

Step 3. MOW WHEN THE SOD IS ESTABLISHED -- IN 2-3 WEEKS. SET THE MOWER HIGH (2"-3").

APPEARANCE OF GOOD SOD



SHOOTS OR GRASS BLADES: GRASS SHOULD BE GREEN AND HEALTHY, MOWED AT A 2"-3" CUTTING HEIGHT.

THATCH: GRASS CLIPPINGS AND DEAD LEAVES (UP TO 1/2" THICK).

ROOT ZONE: SOIL AND ROOTS. SHOULD BE 1/2"-3/4" THICK WITH DENSE ROOT MAT FOR STRENGTH.

SOD MAINTENANCE AND INSTALLATION

Ds4 PERMANENT GRASSING - SOD

NO SCALE

DESCRIPTION:

PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM CONCRETE WASTE BY CONDUCTING OFF-SITE WASHOUT, PERFORMING ON-SITE WASHOUT IN A DESIGNATED AREA, AND TRAINING EMPLOYEES AND SUBCONTRACTORS.

TARGETED POLLUTANTS: CONCRETE WASTE

CONSTRUCTION GUIDELINES:

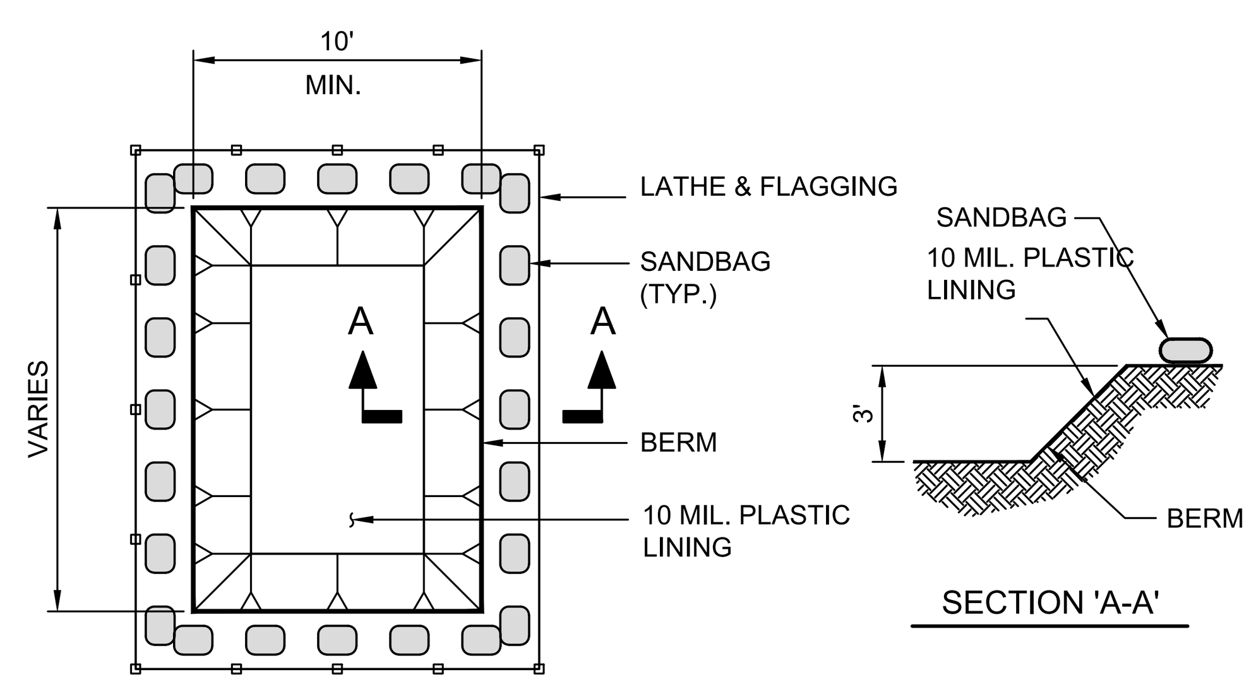
1. AVOID MIXING EXCESS AMOUNTS OF FRESH CONCRETE OR CEMENT ON SITE.
2. PERFORM WASHOUT OF CONCRETE TRUCKS OFF SITE OR IN DESIGNATED AREAS ONLY.
3. DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.
4. AVOID DUMPING EXCESS CONCRETE IN NON-DESIGNATED DUMPING AREAS.

FOR ON-SITE WASHOUT:

1. LOCATE WASHOUT AREA AT LEAST 50 FT FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES. CONSTRUCT A TEMPORARY PIT OR BERMED/DIKED AREA WITH A PAVED OR GRAVEL APPROACH TO CAPTURE LIQUID AND SOLID WASTE.
2. WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED OF PROPERLY.
3. WHEN WASHING CONCRETE TO REMOVE FINE PARTICLES AND EXPOSE THE AGGREGATE, DRAIN THE WATER TO A BERMED, DIKED OR LEVEL AREA.
4. AVOID WASHING SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO THE STREET OR STORM DRAIN. COLLECT AND RETURN SWEEPINGS TO AGGREGATE BASE STOCKPILE OR DISPOSE IN THE TRASH.
5. TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER CONCRETE WASTE MANAGEMENT.

MAINTENANCE:

1. INSPECT SUBCONTRACTORS TO ENSURE THAT CONCRETE WASTES ARE BEING PROPERLY MANAGED. TEMPORARY WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITY MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
2. IF USING A TEMPORARY PIT, DISPOSE HARDENED CONCRETE ON A REGULAR BASIS. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT SHALL BE BACKFILLED AND REPAIRED.

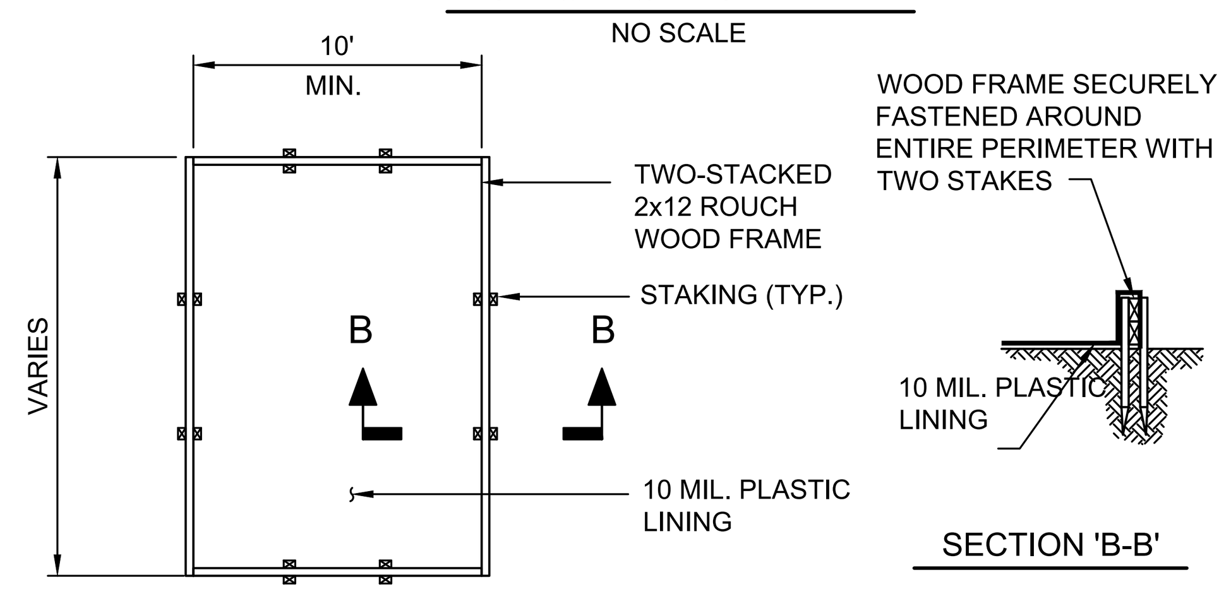


PLAN

SECTION 'A-A'

"BELOW GRADE" TYPE

NO SCALE



PLAN

SECTION 'B-B'

"ABOVE GRADE" TYPE

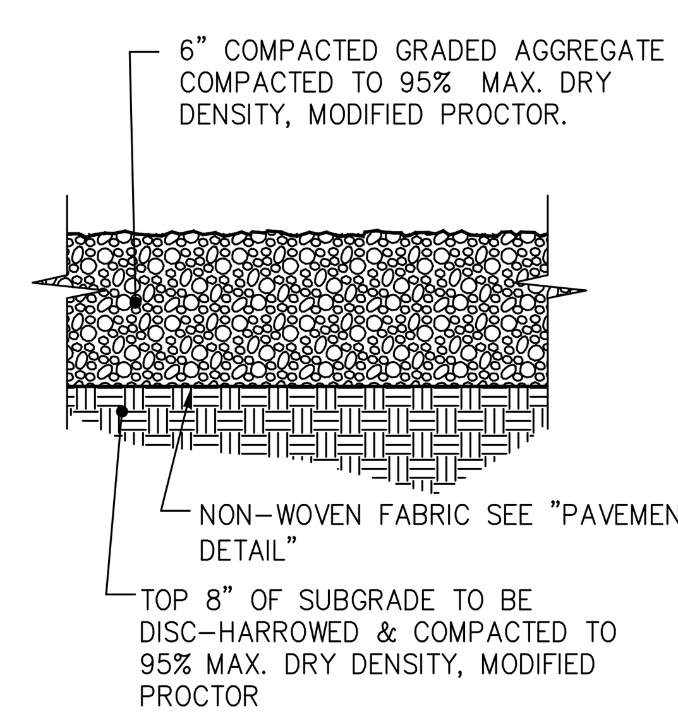
NO SCALE

NOTES:

1. CONTRACTOR MUST PROVIDE A DESIGNATED AREA FOR CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, AND THE REAR OF THE VEHICLES. THIS AREA MUST HAVE A CONCRETE WASHOUT FACILITY AND SHALL BE CONSTRUCTED PER THE DETAIL SHOWN ABOVE.
2. THE CONCRETE WASHOUT FACILITY SHALL BE LOCATED AT A MINIMUM OF 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES.
3. WASHOUT DISCHARGE FROM THE CLEANING OF CONCRETE TRUCKS, TOOLS AND OTHER EQUIPMENT SHALL BE TRANSPORTED OFF-SITE AND DISPOSED OF PROPERLY.
4. IT IS PROHIBITED TO WASH OUT THE MIXING DRUM OF CONCRETE TRUCKS ON-SITE.
5. ACTUAL LAYOUT CAN BE DETERMINED IN FIELD OR AS-SHOWN IN PLAN.
6. CONCRETE WASHOUT SIGN SHALL BE PROVIDED WITHIN 30' OF THE CONCRETE WASHOUT FACILITY.

CWM CONCRETE WASTE MANAGEMENT

NO SCALE



Cr CONSTRUCTION ROAD STABILIZATION

NO SCALE

GSWCC Georgia Soil and Water Conservation Commission
WILLIAM T. BUCHANAN
Level II Certified Design Professional
Certification Number 0000065516
Issued: 1/25/2021 Expires: 1/25/2027

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 036340 WILLIAM TARRANT BUCHANAN 04/29/25

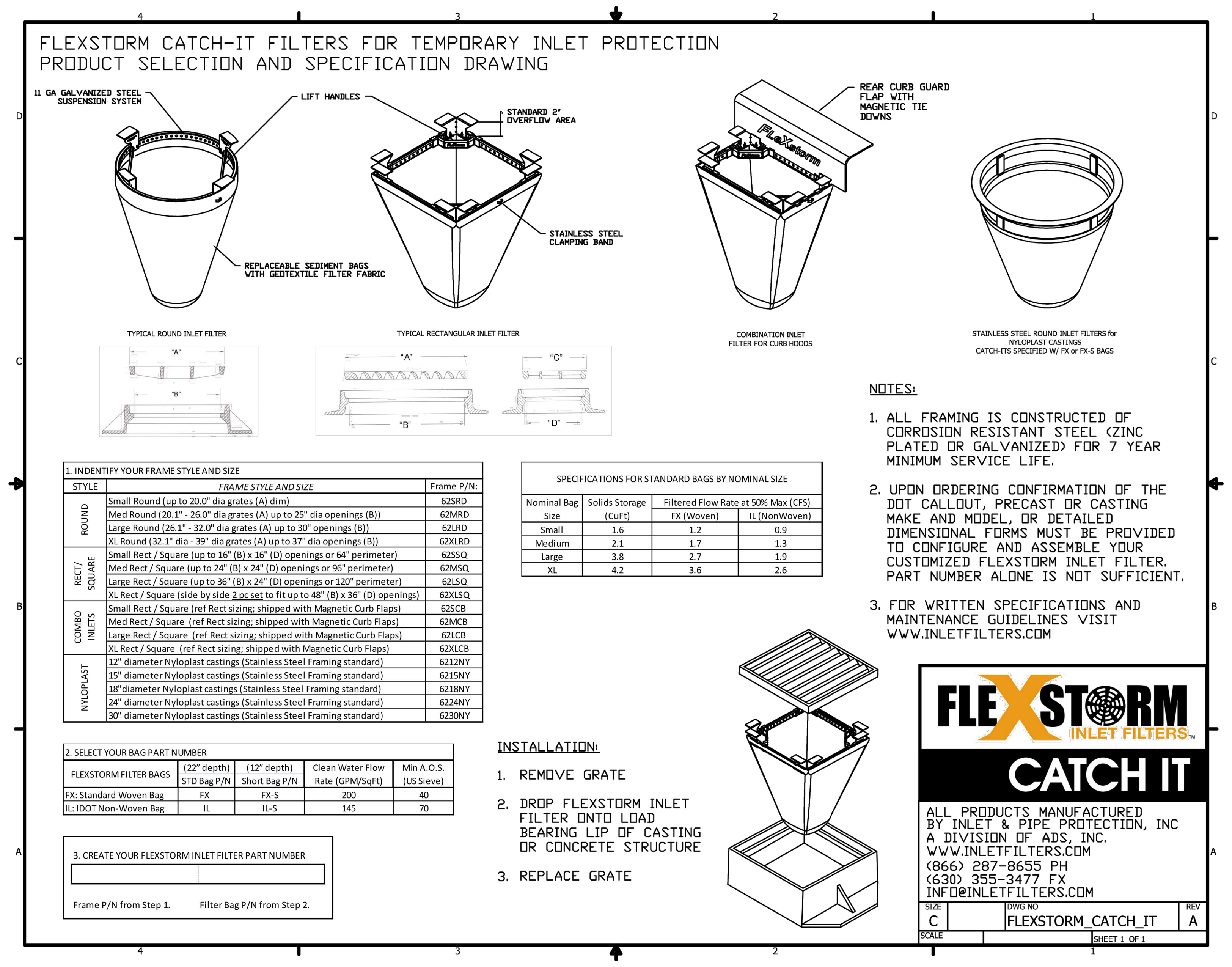
GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO. 3042.2403
DRAWN BY : CRE
CHECKED BY : WTB
DATE: 04/03/2024
SHEET TITLE : E.S.P.C. NOTES & DETAILS SHT. 2 OF 6
SCALE: AS NOTED
DRAWING NO. C-505
REV. A

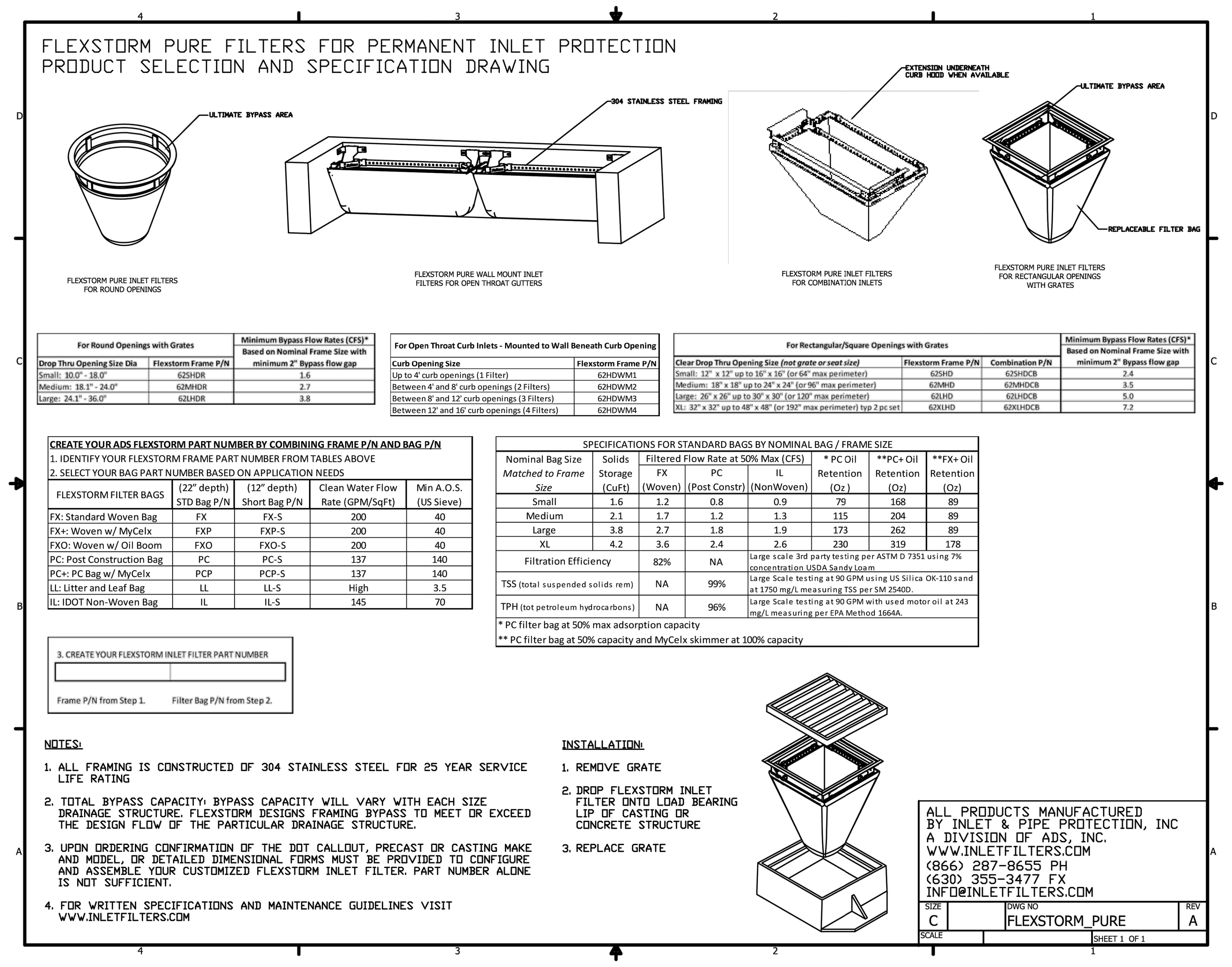
ISSUED FOR BID / PERMIT

K:\3042403\Civil\C-504 TO C-509.dwg Plotted:4/30/2025 4:09 PM By:William T. Buchanan, P.E.
BORDER - A-24x36-XREF.DWG REV. 4/4/2024 CRE



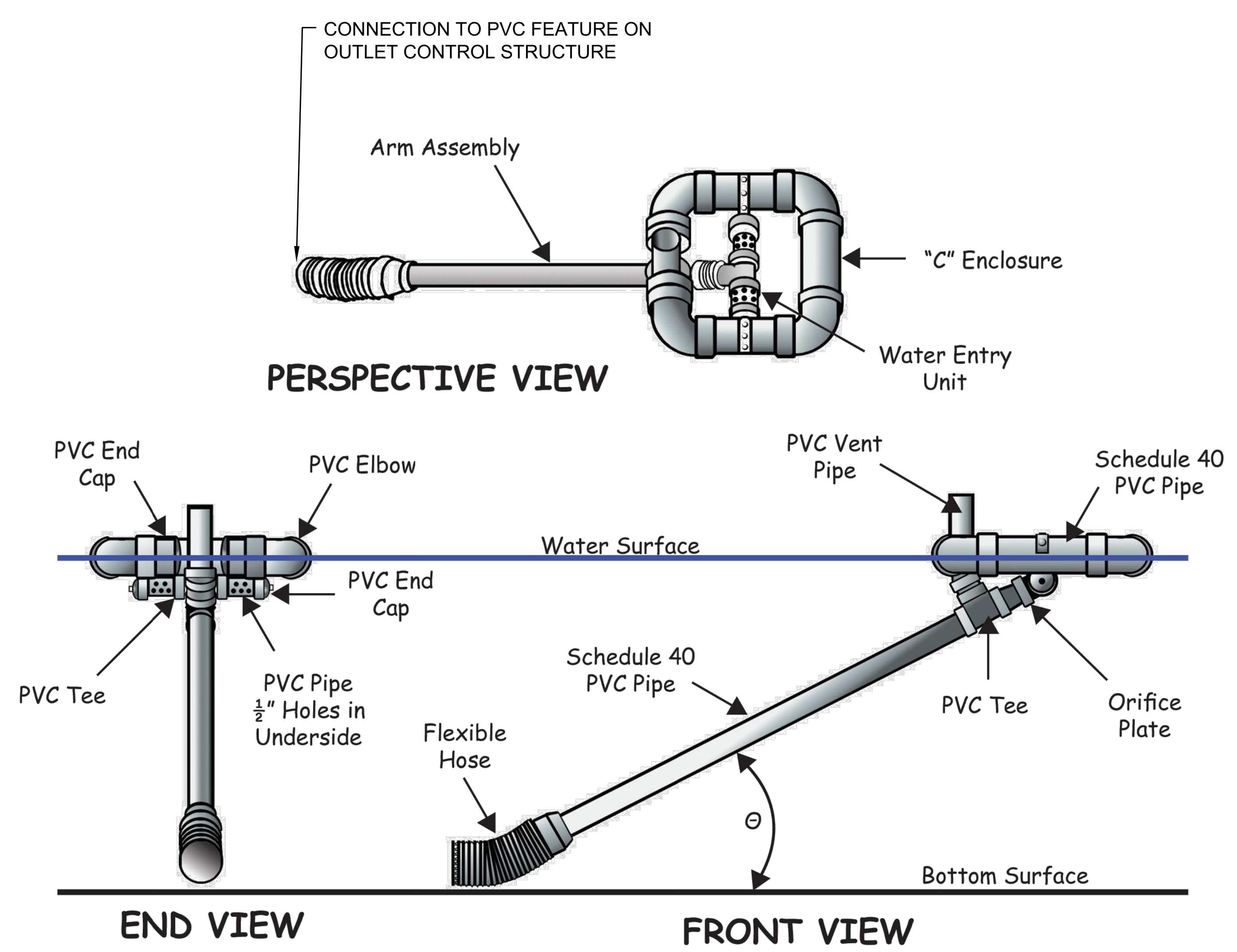
Sd2-F FLEX FILTER INLET SEDIMENT TRAP (TEMPORARY)

NO SCALE



Sd2-F FLEX FILTER INLET SEDIMENT TRAP (PERMANENT)

NO SCALE



NOTE:
CONTRACTOR SHALL INSTALL A SKIMMER BY FAIRCLOTH SKIMMER OR EQUAL AS APPROVED BY ENGINEER.

Calculate Skimmer Size					
Basin Volume in Cubic Feet	11,368	Cu.Ft	Skimmer Size	2.5	Inch
Days to Drain*	3	Days	Orifice Radius	1.0	Inch[es]
			Orifice Diameter	1.9	Inch[es]
*In NC assume 3 days to drain					

TEMPORARY SKIMMER

CONSTRUCTION SPECIFICATIONS:

-SHAPE THE BASIN AS SHOWN ON DRAWINGS. PREVENT THE SKIMMING DEVICE FROM SETTLING INTO THE MUD BY PROVIDING A LOW SUPPORT UNDER THE SKIMMER OF STONE OR TIMBER.

-ASSEMBLE THE SKIMMER ACCORDING TO MANUFACTURER'S INSTRUCTIONS, OR AS DESIGNED.

-LAY THE ASSEMBLED SKIMMER ON THE BOTTOM OF THE BASIN WITH THE FLEXIBLE JOINT AT THE INLET OF THE 6" PVC OUTLET PIPE (SEE OUTLET CONTROL STRUCTURE DETAIL).

-ATTACH THE FLEXIBLE JOINT TO THE OUTLET PIPE AND POSITION THE SKIMMER OVER THE SUPPORT.

-ATTACH A ROPE TO THE SKIMMER AND ANCHOR IT TO THE SIDE OF THE BASIN OR THE OUTLET CONTROL STRUCTURE. THIS WILL BE USED TO PULL THE SKIMMER TO THE SIDE FOR MAINTENANCE.

-AFTER ALL THE SEDIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL THE UNSTABLE SEDIMENT. PLACE SEDIMENT ONSITE AND STABILIZE IN A MANNER SUCH THAT IT WILL NOT ERODE. SMOOTH ANY DISTURBED AREAS TO BLEND WITH THE ADJOINING AREAS AND STABILIZE PROPERLY.

MAINTENANCE:

-INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (ONE-HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY.

-REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO 50 PERCENT OF STORAGE VOLUME OR TOP OF CLEANOUT STAKE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR THE FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER.

-IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO, CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE THE DEBRIS.

-IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.

-CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER AND POOL AREAS.

-FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.

Sk TEMPORARY SKIMMER FOR SEDIMENT BASIN

NO SCALE

CONSTRUCTION SCHEDULE

START DATE 07/01/25 — END DATE 07/01/26

ITEM	DESCRIPTION	MONTHS OF CONSTRUCTION ACTIVITY 1	2	3	4	5	6	7	8	9	10	11	12
	PHASE 1 - INITIAL PERIMETER CONTROL												
1	INSTITUTE AND MAINTAIN INSPECTION, MONITORING AND REPORTING PER NPDES REQUIREMENTS.			MAINTAIN AS REQUIRED									
2	INSTALL INITIAL SEDIMENT CONTROL STRUCTURES												
3	CLEARING & GRUBBING												
	PHASE 2 - INTERMEDIATE PHASE												
6	TOPSOIL STRIPPING & STOCKPILING												
7	INSTALL SEDIMENT & POLLUTION CONTROL STRUCTURES			MAINTAIN AS REQUIRED									
8	LAND GRADING												
9	CONSTRUCTION ROAD STABILIZATION												
10	STORM DRAINAGE												
11	UTILITIES												
12	MULCHING, TEMPORARY & PERMANENT GRASSING			MAINTAIN AS REQUIRED									
13	BUILDINGS												
14	CURB & GUTTER INSTALLATION												
15	BASE AND INITIAL PAVING												
	PHASE 3 - FINAL STABILIZATION												
16	SIDEWALKS												
17	PAVING & STRIPING												
18	TOPSOILING, SLOPE STABILIZATION & MATTING												
19	PERMANENT VEGETATION												
20	REMOVAL OF TEMP. SEDIMENT CONTROL STRUCTURES												

NOTES:

1. OWNERS OR OPERATORS OR BOTH SHALL SUBMIT A NOTICE OF INTENT (NOI) IN ACCORDANCE WITH NPDES REQUIREMENTS AT LEAST 14 DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
2. CONSTRUCTION SCHEDULE FOR CURB & GUTTER AND BASE & PAVEMENT MAY VARY. BUILDING CONSTRUCTION NOT ALLOWED UNTIL ALL SOIL EROSION & SEDIMENT CONTROL MEASURES ARE PROPERLY IN PLACE.
3. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES PRACTICES PRIOR TO, OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.
4. ACQUIRE NECESSARY PERMIT FOR ANY STATE WATERS & WETLANDS ENCROACHMENTS.
5. DURING CONSTRUCTION, CONTRACTOR SHALL CLEAN AND MAINTAIN SEDIMENT TRAPS PERIODICALLY. ALL STORM DRAIN STRUCTURES SHALL BE FREE OF SEDIMENTS AND OTHER DELETERIOUS MATERIALS BEFORE SECURING TOPS & COVERS FOR FINAL GRADING.

GSWCC Georgia Soil and Water Conservation Commission
WILLIAM T. BUCHANAN
Level II Certified Design Professional
Certification Number 0000065516
Issued: 1/25/2021 Expires: 1/25/2027

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PROJECT NO. 3042.2403
DRAWN BY: CRE
CHECKED BY: WTB
DATE: 04/03/2024
SHEET TITLE: E.S.P.C. NOTES & DETAILS SHT. 3 OF 6
SCALE: AS NOTED
DRAWING NO. C-506 REV. A

ISSUED FOR BID / PERMIT

NPDES GENERAL NOTES

THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EPD), GENERAL PERMIT NO. 100001 FOR AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR STAND ALONE CONSTRUCTION PROJECTS.

I.C.1 CONSTRUCTION ACTIVITIES

C. Eligibility.

1. Construction Activities. This permit authorizes, subject to the conditions of this permit:

a. all discharges of stormwater associated with stand alone construction projects that will result in land disturbance equal to or greater than one (1) acre occurring on or before, and continuing after, the effective date of this permit, (henceforth referred to as existing stormwater discharges from construction activities) except for discharges identified underPart I.C.3.;

b. all discharges of stormwater associated with stand alone construction projects that will result in land disturbance equal to or greater than one (1) acre occurring after the effective date of this permit, (henceforth referred to as stormwater discharges from construction activities); and

c. coverage under this permit is not required for discharges of stormwater associated with minor land disturbing activities (such as home gardens and individual home landscaping, repairs, maintenance work, fences and other related activities which result in minor soil erosion) conducted outside of the 25 foot buffer along the banks of all State waters requiring a buffer and outside of the 50 foot buffer along the banks of all State waters classified as 'trout streams' requiring a buffer on individual residential lots sold to homeowners where all planned construction activities on that lot have been complete and have undergone final stabilization.

2. Mixed Stormwater Discharges. This permit may only authorize a stormwater discharge from a construction site or construction activities mixed with a stormwater discharge from an industrial source or activity other than construction where:

a. the industrial source or activity other than construction is located on the same site as the construction activity and is an integral part of the construction activity;

b. the stormwater discharges associated with industrial activity from the areas of the site where construction activities are occurring are in compliance with the terms of this permit; and

c. stormwater discharges associated with industrial activity from the areas of the site where industrial activity other than construction are occurring are covered by a different NPDES general permit or individual permit authorizing such discharges and the discharges are in compliance with a different NPDES permit.

3. Limitations on Coverage. The following stormwater discharges from construction sites are not authorized by this permit:

a. stormwater discharges associated with an industrial activity that originate from the site after construction activities have been completed and the site has undergone final stabilization;

b. discharges that are mixed with sources of non-stormwater other than discharges which are identified in Part III.A.2. of this permit and which are in compliance with Part IV.D.7. (non-stormwater discharges) of this permit;

c. stormwater discharges associated with industrial activity that are subject to an existing NPDES individual or general permit. Such discharges may be authorized under this permit after an existing permit expires provided the existing permit did not establish numeric limitations for such discharges; and

d. stormwater discharges from construction sites that the Director (EPD) has determined to be or may reasonably be expected to be contributing to a violation of a water quality standard.

4. Compliance with Water Quality Standards. No discharges authorized by this permit shall cause violations of Georgia's in-stream water quality standards as provided by the Rules and Regulations for Water Quality Control, Chapter 391-3-6-.03.

D. Authorization.

1. Any person desiring coverage under this permit must submit a Notice of Intent (NOI) to the EPD and the NOI must be received by the EPD in accordance with the requirements of Part II, using the electronic submittal service provided by the EPD, in order for stormwater discharges from construction sites to be authorized.

2. Unless notified by the Director to the contrary, a permittee who submits an NOI in accordance with the requirements of this permit is authorized to discharge stormwater from construction sites under the terms and conditions of this permit fourteen (14) days after the date that the NOI is submitted and confirmation of submittal is received. The Director may deny coverage under this permit and require submittal of an application for an individual NPDES permit or alternative general NPDES permit based on a review of the NOI or other information. Should the Director deny coverage under this permit, coverage under this permit is authorized until the date specified in the notice of denial by the Director.

3. Where a new permittee is to begin work on-site after an NOI for the facility/construction site has been submitted, that new permittee must submit a new NOI in accordance with Part II.

E. Continuing Obligations of Permittees. Unless and until responsibility for a site covered under this permit is properly terminated or ownership changes, according to the terms of the permit, the current permittee remains responsible for compliance with all applicable terms of the permit and for any violations of said terms.

Part II. NOTICE OF INTENT REQUIREMENTS

A. Deadlines for Notification.

1. Except as provided in Part II.A.2., II.A.3. and II.A.5., Owners or Operators or both who intend to obtain coverage under this general permit for stormwater discharges from a construction site (where construction activities begin after issuance of this permit), shall submit a Notice of Intent (NOI) in accordance with the requirements of this Part at least fourteen (14) days prior to the commencement of construction activities.

2. For sites where construction activities, subject to this permit, are occurring on the effective date of this permit, the Owner or Operator or both shall submit a re-issuance NOI for an existing construction site in accordance with the requirements of this part no later than ninety (90) days after the effective date of this permit. Failure to comply with this requirement shall constitute a violation of the Georgia Water Quality Control Act for each day until the Owner or Operator or both submit an initial NOI for a new construction site in accordance with Part II.A.1., comply with the special conditions in Part III., prepare and submit a new Erosion, Sedimentation and Pollution Control Plan in accordance with Part IV., and pay all applicable fees in accordance with Part II.D.

3. A discharger is not precluded from submitting an NOI in accordance with the requirements of this part after the dates provided in Parts II.A.1. or II.A.2. of this permit. In such instances, EPD may bring an enforcement action for failure to submit an NOI in a timely manner or for any unauthorized discharges of stormwater associated with construction activity that have occurred on or after the dates specified in Part II.A.1. and II.A.2.

4. Where an Owner or an Operator or both changes after an NOI has been filed, the subsequent Owner or Operator or both must submit a modification NOI in accordance with this Part by the earlier to occur of (a) seven (7) days before beginning work at the facility/construction site or (b) thirty (30) days from acquiring legal title to the facility/construction site. In the event a lender or other secured creditor acquires legal title to the facility/construction site, such party must submit a modification NOI in accordance with this Part by the earlier to occur of (a) seven (7) days before beginning work at the facility/construction site; or (b) thirty (30) days from acquiring legal title to the facility/construction site. Stabilization and BMP installation and/or maintenance measures of a disturbed site, by the subsequent Owner or Operator, may occur in advance of filing a new NOI, without violation of this permit. Failure to comply with this requirement shall constitute a violation of the Georgia Water Quality Control Act for each day until the Owner or Operator or both submit an initial NOI for a new construction site in accordance with Part II.A.1. comply with the special conditions in Part III., prepare and submit a new Erosion, Sedimentation and Pollution Control Plan in accordance with Part IV., and pay all applicable fees in accordance with Part II.D.

5. For sites where construction activities will result in land disturbance equal to or greater than one (1) acre that are required as a result of storm- or emergency-related repair work, the Owner or Operator or both shall notify the appropriate EPD District Office within three (3) days of commencement of said construction activities. The Owner or Operator or both shall submit the NOI to the appropriate EPD district office as soon as possible after the storm- or emergency related event but no later than fourteen (14) days after the commencement of construction activities and shall submit the Plan in accordance with Part IV.A.6.

B. Notice of Intent Contents.

1. Primary Permittee. A single Notice of Intent for the primary permittee (i.e., one NOI signed by the Owner or the Operator or both) shall be signed in accordance with Part V.G.1. of this permit and shall include the following information:

a. The project construction site name, GPS location (decimal degrees) of construction exit, construction site location (e.g., street address), city (if applicable) and county of the construction site for which the notification is submitted. The construction site location information must be sufficient to accurately locate the construction site;

b. The Owner's legal name, address, telephone number and email address; and if available, the Operator's legal name, address, telephone number and email address; and if applicable, the Duly Authorized Representative's legal name and/or position name, telephone number and email address;

c. The name, telephone number and email address of the individual to whom the permittee has assigned the responsibility for the daily operational control (i.e., construction superintendent, etc.) of the construction site;

d. The name of the initial receiving water(s) or if unnamed the first named blue linestream indicated on the appropriate USGS Topographic map, and when the discharge is through a municipal separate storm sewer system (MS4), the name of the local government operating the municipal separate storm sewer system and the name of the receiving water(s) which receives the discharge from the MS4, and the permittee's determination of whether the receiving water(s) supports warm water fisheries or is a trout stream as indicated in the Rules and Regulations for Water Quality Control, Chapter 391-3-6;

e. The name of the receiving water(s) located within one (1) linear mile upstream of and within the same watershed as, any portion of an Impaired Stream Segment identified as "not supporting" its designated use(s) shown on Georgia's most current "305(b)/303(d) List Documents (Approved)" for the criteria violated/cause, "Bio F" (Impaired Fish Community) and/or "Bio M" (Impaired Macroinvertebrate Community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff);

f. An estimate of project start date and completion date, a schedule for the timing of the various construction activities, the number of acres of the site on which soil will be disturbed, and the surface water drainage area (if applicable). For projects that began on or before the effective date of this permit, the start date must be the actual start date of construction;

g. The following certification shall be signed in accordance with Part V.G.1. of this permit:

"I certify that to the best of my knowledge and belief, that the Erosion, Sedimentation and Pollution Control Plan (Plan) was prepared by a designprofessional, as defined by this permit, that has completed the appropriate certification course approved by the Georgia Soil and Water Conservation Commission in accordance with the provisions of O.C.G.A. 12-7-19 and that I will adhere to the Plan and comply with all requirements of this permit."

h. The type of construction activity category (from those listed on the NOI) conducted at the site;

i. The location of the receiving water(s) or outfall(s) or a combination of receiving water(s) and outfall(s) to be sampled on a map or drawing of appropriate scale. When it is determined by the primary permittee that some or all of the outfall(s) will be sampled, the applicable nephelometric turbidity unit (NTU) selected from Appendix B (i.e., based upon the size of the construction site and the surface water drainage area) must be shown for each outfall to be sampled.

j. NOIs may be submitted for separate phases of projects with a total planned disturbance greater than 5.0 acres, provided that each phase shall not be less than 1.0 acre. Phased NOIs shall include all documentation required by this permit for each phase, includingfees; and

k. Any other information specified on the NOI in effect at the time of submittal.

C. Notice of Intent Submittal. NOIs are to be submitted to EPD using the electronic submittal service provided by EPD and a copy to the Local Issuing Authority in jurisdictions authorized toissue a Land Disturbance Activity permit for the permittee's construction site pursuant to O.C.G.A. 12-7-1, et seq. The permittee shall retain a copy of the proof of submittal at the construction site or the proof of submittal shall be readily available at a designated alternative location from commencement of construction until such time as a Notice of Termination (NOT) is submitted in accordance with Part VI.

P. Fees. Any applicable fees shall be submitted by the **Primary Permittee** in accordance with Rules and Regulations for Water Quality Control (Rules) promulgated by the Board of Natural Resources. By submitting an NOI for coverage under this permit the primary permittee agrees to pay any fees required, now or in the future, by such Rules authorized under O.C.G.A. Sectio 12-5-23(a)(5)(A), which allows the Board of Natural Resources to establish a fee system. Fees may be assessed on land disturbing activity proposed to occur on or after the effective date of this permit and shall be paid in accordance with such Rules.

Q. Renotification. Upon issuance of a new or different general permit for some or all of the stormwater discharges covered by this permit, the permittee is required to notify the EPD of their intent to be covered by the new or different general permit. The permittee must submit a renewal Notice of Intent in accordance with the notification requirements of the new or different general permit.

PART III. SPECIAL CONDITIONS, MANAGEMENT PRACTICES, PERMIT VIOLATIONS AND OTHER LIMITATIONS

A. Prohibition on Non-Stormwater Discharges.

1. Except as provided in Part I.C.2. and III.A.2., all discharges covered by this permit shall be composed entirely of stormwater.

2. The following non-stormwater discharges may be authorized by this permit provided the nonstormwater component of the discharge is explicitly listed in the Erosion, Sedimentation and Pollution Control Plan and is in compliance with Part IV.D.7.; discharges from fire fighting activities; fire hydrant flushing; potable water sources including water line flushing; irrigation drainage; air conditioning condensate; springs; uncontaminated ground water; and foundation or footing drains where flows are not contaminated with process materials or pollutants.

3. This permit does not authorize the discharge of soaps or solvents used in vehicle and equipment washing.

4. This permit does not authorize the discharge of wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other construction materials.

B. Releases in Excess of Reportable Quantities.

1. The discharge of hazardous substances or oil in the stormwater discharge(s) from a site shall be prevented. This permit does not relieve the permittee of the reporting requirements ofGeorgia's Oil or Hazardous Material Spills or Releases Act (O.C.G.A. §§12-14-2, et seq.), 40 CFR Part 117 and 40 CFR Part 302. Where a release containing a hazardous substance in an amount equal to or in excess of a reporting quantity established under either Georgia's Oil orHazardous Material Spills or Releases Act (O.C.G.A. §§12-14-2, et seq.), 40 CFR 117 or 40 CFR 302 occurs during a 24 hour period, the permittee is required to notify EPD at (404) 656-4863 or (800) 241-4113 and the National Response Center (NRC) at (800) 424-8802 inaccordance with the requirements of Georgia's Oil or Hazardous Material Spills or Releases Act (O.C.G.A. §§12-14-2, et seq.), 40 CFR 117 and 40 CFR 302 as soon as he/she has knowledge of the discharge.

2. This permit does not authorize the discharge of hazardous substances or oil resulting from anon-site spill.

C. Discharges into, or within One Mile Upstream of and within the Same Watershed as, Any Portion of a Biota Impaired Stream Segment.

Any permittee who intends to obtain coverage under this permit for stormwater discharges associated with construction activity into an Impaired Stream Segment, or within one (1) linear mile upstream of and within the same watershed as, any portion of an Impaired Stream Segment identified as "not supporting" its designated use(s), as shown on Georgia's most current "305(b)/303(d) List Documents (Approved)" at the time of NOI submittal, must satisfy the requirements of Part III.C. of this permit if the Impaired Stream Segment has been listed for criteria violated/cause, "Bio F" (Impaired Fish Community) and/or "Bio M" (Impaired Macroinvertebrate Community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff). Those discharges that are located within one (1) linear mile of an Impaired Stream Segment, but are not located within the watershed of any portion of that stream segment, are excluded from this requirement. Georgia's "305(b)/303(d) List Documents (Approved)" can be viewed on the EPD website.

1. If a Total Maximum Daily Load (TMDL) Implementation Plan for sediment has been finalized at least six (6) months prior to the permittee's submittal of the NOI, the Erosion, Sedimentation and Pollution Control Plan (Plan) must address any site-specific conditions or requirements included in the TMDL Implementation Plan that are applicable to the permittee'sdischarge(s) to the Impaired Stream Segment within the timeframe specified in the TMDL Implementation Plan. If the TMDL Implementation Plan establishes a specific numeric wasteload allocation that applies to a permittee's discharge(s) to the Impaired Stream Segment, then the permittee must incorporate that allocation into the Erosion, Sedimentation and Pollution Control Plan and implement all necessary measures to meet that allocation. A list of TMDL Implementation Plans can be viewed on the EPD website.

2. In order to ensure that the permittee's discharge(s) do not cause or contribute to a violation of State water quality standards, the Plan must include at least four (4) of the following best management practices (BMPs) for those areas of the site which discharge into or within one (1) linear mile upstream and within the same watershed as the Impaired Stream Segment:

a. During all construction activities as defined in this permit, double the width of the 25 foot undisturbed vegetated buffer along all State waters requiring a buffer and the 50 foot undisturbed vegetated buffer along all State waters classified as "trout streams" requiring a buffer. During construction activities, EPD will not grant variances to any such buffers that are increased in width pursuant to this section.

b. Increase all temporary sediment basins and retrofitted stormwater management basins to provide sediment storage of at least 3600 cubic feet (134 cubic yards) per acre drained.

c. Use baffles in all temporary sediment basins and retrofitted stormwater management basins to at least double the conventional flow path length to the outlet structure.

d. A large sign (minimum 4 feet x 8 feet) must be posted on site by the actual start date of construction. The sign must be visible from a public roadway. The sign must identify the following: (1) the construction site, (2) the permittee(s), (3) the contact person(s) along with their telephone number(s), and (4) the permittee-hosted website where the Plan can be viewed. The permittee-hosted website where the Plan can be viewed must be provided on the submitted NOI. The sign must remain on site and the Plan must be available on the provided website until a NOT has been submitted.

e. Use tackifiers and/or mulch to stabilize all areas left disturbed for more than seven (7) calendar days in accordance with Part III.D.1. of this permit.

f. Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exceptions specified in Part IV.D.6.d. of this permit.

g. Comply with the applicable end-of-pipe turbidity effluent limit, without the "BMP defense" as provided for in O.C.G.A. 12-7-6(a)(1).

h. Reduce the total planned site disturbance to less than 50% impervious surfaces (excluding any State-mandated buffer areas from such calculations). All calculations must be included on the Plan.

i. Limit the amount of area disturbed at any one time to no greater than 25 acres or 50%of the total planned site, whichever is less. All calculations must be included on the Plan.

j. Use "Dirt II" techniques available on the EPD website, to model and manage all construction stormwater runoff (including sheet flow). All calculations must be included on the Plan.

k. Conduct soil tests representative of conditions at the time of planting to identify and to implement site-specific fertilizer needs and/or add appropriate organic soil amendments (e.g., compost) and conduct pre- and post construction soil sampling to a depth of six (6) inches to document improved levels of soil carbon after final stabilization of the construction site.

l. Use mulch filter berms, in addition to a silt fence, on the site perimeter wherever construction stormwater (including sheet flow) may be discharged. Mulch filter berms cannot be placed in waterways or areas of concentrated flow.

m. Use appropriate erosion control slope stabilization instead of concrete in all construction stormwater ditches and storm drainages designed for a 25 year, 24 hour rainfall event.

n. Use flocculants or coagulants under a passive dosing method (e.g., flocculant blocks)within all construction stormwater ditches and storm drainages that feed into temporary sediment basins and retrofitted management basins.

o. Install sod for a minimum 20 foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever construction stormwater (including sheet flow)may be discharged.

p. Conduct soil tests to identify and to implement site-specific fertilizer needs.

q. Certified personnel shall conduct inspections at least twice every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Part IV.D.4.a.(3).(a)–(c) of this permit.

r. Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity.

s. Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission).

t. Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any State-mandated buffer areas from such calculations). All calculations must be included in the Plan.

u. Conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase of the project by the design professional who prepared the Plan in accordance with Part IV.A.5. of the permit.

v. Install Post Construction BMPs (e.g., runoff reduction BMPs) which remove 80% TSS as outlined in the Georgia Stormwater Management Manual known as the Blue Book or an equivalent or more stringent design manual.

D. Management Practices and Permit Violations.

1. Best management practices, as set forth in this permit, are required for all construction activities, and must be implemented in accordance with the design specifications contained in the "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted to prevent or reduce the pollution of waters of Georgia. Proper design, installation, and maintenance of best management practices shall constitute a complete defense to any action by the Director or to any other allegation of noncompliance with Part III.D.4. and Part III.D.5.

2. Except as required to install the initial sediment storage requirements and perimeter control BMPs as described in Part IV.D.3., the initial sediment storage requirements and perimeter control BMPs must be installed and implemented prior to conducting any other construction activities (e.g., clearing, grubbing and grading) within the construction site or when applicable, within phased sub-parts or segments of the construction site. Failure to comply shall constitute a violation of this permit for each day on which construction activities occur. The design professional who prepared the Plan must inspect the initial sediment storage requirements and perimeter control BMPs in accordance with Part IV.A.5. within seven (7) days after installation.

3. Failure to properly design, install, or maintain best management practices shall constitute a violation of this permit for each day on which such failure occurs. BMP maintenance as a result of the permittee's routine inspections shall not be considered a violation for the purposes of this paragraph. If during the course of the permittees routine inspection BMP failures are observed which have resulted in sediment deposition into Waters of the State, the permittee shall correct the BMP failures and shall submit a summary of the violations to EPD in accordance with Part V.A.2. of this permit.

4. A discharge of stormwater runoff from disturbed areas where best management practices have not been properly designed, installed, and maintained shall constitute a separate violation for each day on which such discharge results in the turbidity of receiving water(s) being increased by more than ten (10) nephelometric turbidity units for waters classified as trout streams or more than twenty-five (25) nephelometric turbidity units for waters supporting warm water fisheries, regardless of a permittee's certification under Part II.B.1.i. This paragraph shall not apply to any land disturbance associated with the construction of single-family homes which are not part of a subdivision or planned common development unless five (5) acres or more will be disturbed.

5. When the permittee has elected to sample outfall(s), the discharge of stormwater runoff from disturbed areas where best management practices have not been properly designed, installed, and maintained shall constitute a separate violation for each day on which such condition results in the turbidity of the discharge exceeding the value selected from Appendix B applicable to the construction site. As set forth therein, the nephelometric turbidity unit (NTU) value shall be selected from Appendix B based upon the size of the construction site, the surface water drainage area and whether the receiving water(s) supports warm water fisheries or is a trout stream as indicated in the Rules and Regulations for Water Quality Control, Chapter 391-3-6.

6. Whenever a permittee finds that a BMP has failed or is deficient (beyond routine maintenance) and has resulted in sediment deposition into waters of the State, the permittee shall immediately take all reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. The permittee shall submit a summary of the violations to EPD in accordance with Part V.A.2. of this permit and shall correct such BMP as follows:

a. When the repair does not require a new or replacement BMP or significant repair, the BMP failure or deficiency must be repaired within two (2) business days from the time ofdiscovery;

b. When the repair requires a new or replacement BMP or significant repair, the installation of the new or modified BMP must be completed and the BMP must be operational by no later than seven (7) days from the time of discovery. If it is infeasible to complete the installation or repair within seven (7) days, the permittee must document why it is infeasible to complete the installation or repair within the seven (7) day timeframe and document the schedule for installing or repairing the BMPs and making the BMPs operational as soon as feasible after the seven (7) day timeframe.

Part IV. EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN

A site-specific Erosion, Sedimentation and Pollution Control Plan (Plan) shall be designed, installed and maintained for the entire construction activity covered by this permit. The Erosion, Sedimentation and Pollution Control Plan must be prepared by a design professional as defined by this permit. All persons involved in Plan preparation shall have completed the appropriate certification course, pursuant to O.C.G.A. 12-7-19(b), approved by the Georgia Soil and Water Conservation Commission. The design professional preparing the Plan must include and sign the following certification in the Plan: "I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the stormwater outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR100001." The Plan shall include any additional certifications regarding the design professional's site visit in accordance with the Rules for Erosion and Sedimentation Control promulgated by the Board of Natural Resources:

"I certify under penalty of law that this Plan was prepared after a site visit to the locations described herein by myself or my authorized agent, under my supervision." The Plan shall include, as a minimum, best management practices, including sound conservation and engineering practices to prevent and minimize erosion and resultant sedimentation, which are consistent with, and no less stringent than, those practices contained in the "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted and O.C.G.A. 12-7-6, as well as the following:

(i). Except as provided in Part IV.(iii). below, no construction activities shall be conducted within a 25 foot buffer along the banks of all State waters, as measured horizontally from the point where vegetation has been wrested by normal stream flow or wave action, except where the Director has determined to allow a variance that is at least as protective of natural resources and the environment in accordance with the provisions of O.C.G.A. 12-7-6, or where a drainage structure or a roadway drainage structure must be constructed, provided that adequate erosion control measures are incorporated in the project plans and specifications and are implemented, or along any ephemeral stream, or where bulkheads and seawalls must be constructed to prevent the erosion of the shoreline on Lake Oconee and Lake Sinclair. The buffer shall not apply to the following activities provided that adequate erosion control measures are incorporated into the project plans and specifications and are implemented:

(1) public drinking water system reservoirs;

(2) stream crossings for water lines and sewer lines, provided that the stream crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause a width of disturbance of not more than 50 feet within the buffer, and native riparian vegetation is re-established in any bare or disturbed areas within the buffer;

(3) stream crossings for any utility lines of any electric membership corporation or municipal electrical system or any public utility under the regulatory jurisdiction of the Public Service Commission, any utility under the regulatory jurisdiction of the Federal Energy Regulatory Commission, any cable television system as defined in Code Section 36-18-1, or any agency or instrumentality of the United States engaged in the generation, transmission or distribution of power, provided that: (a) the stream crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause a width of disturbance of not more than 50 feet within the buffer, (b) native riparian vegetation is re-established in any bare or disturbed areas within the buffer and (c) the entity is not a secondary permittee for a project located within a common development or sale under this permit;

(4) buffer crossing for fences, provided that the crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause a width of disturbance of not more than 50 feet within the buffer, and native riparian vegetation is re-established in any bare or disturbed areas within the buffer;

(5) stream crossings for aerial utility lines, provided that: (a) the new utility line right-of-way width does not exceed 100 linear feet, (b) utility lines are routed and constructed so as to minimize the number of stream crossings and disturbances to the buffer, (c) only trees and tree debris are removed from within the buffer resulting in only minor soil erosion (i.e., disturbance to underlying vegetation is minimized), and (d) native riparian vegetation is re-established in any bare or disturbed areas within the buffer. The Plan shall include a description of the stream crossings with details of the buffer disturbance including area and length of buffer disturbance, estimated length of time of buffer disturbance, and justification;

(6) right-of-way posts, guy-wires, anchors, survey markers and the replacement or maintenance of existing utility structures within the current right-of-way undertaken or financed in whole or in part by the Department of Transportation, the Georgia Highway Authority or the State Road and Tollway Authority or undertaken by any county or municipality, provided that: (a) the area of land disturbance does not exceed 100 square feet per structure, (b) the area of buffer vegetation to be cut (not grubbed) does not exceed 1,000 square feet per structure, (c) native riparian vegetation is re-established in any bare or disturbed areas within the buffer and (d) the entity is not a secondary permittee for a project located within a common development or sale under this permit;

(7) right-of-way posts, guy-wires, anchors, survey markers and the replacement or maintenance of existing utility structures within the current right-of-way by any electric membership corporation or municipal electrical system or any public utility under the regulatory jurisdiction of the Public Service Commission, any utility under the regulatory jurisdiction of the Federal Energy Regulatory Commission, any cable television system as defined in Code Section 36-18-1, or any agency or instrumentality of the United States engaged in the generation, transmission or distribution of power, provided that: (a) the area of land disturbance does not exceed 100 square feet per structure, (b) the area of buffer vegetation to be cut (not grubbed) does not exceed 1,000 square feet per structure,

(c) native riparian vegetation is re-established in any bare or disturbed areas within the buffer and (d) the entity is not a secondary permittee for a project located within a common development or sale under this permit; and

(8) maintenance (excluding dredging), repair and/or upgrade of Soil and Water Conservation District watershed dams when under the technical supervision of the USDA Natural Resources Conservation Service.

(ii). No construction activities shall be conducted within a 50 foot buffer, as measured horizontally from the point where vegetation has been wrested by normal stream flow or wave action, along the banks of any State waters classified as "trout streams" except when approval is granted by the Director for alternate buffer requirements in accordance with the provisions of O.C.G.A. 12-7-6, or where a roadway drainage structure must be constructed; provided, however, that small springs and streams classified as "trout streams" which discharge an average annual flow of 25 gallons per minute or less shall have a 25 foot buffer or they may be piped, at the discretion of the permittee, pursuant to the terms of a rule providing for a general variance promulgated by the Board of Natural Resources including notification of such to EPD and the Local Issuing Authority of the location and extent of the piping and prescribed methodology for minimizing the impact of such piping and for measuring the volume of water discharged by the stream. Any such pipe must stop short of the downstream permittee's property, and the permittee must comply with the buffer requirement for any adjacent trout streams. The buffer shall no apply to the following activities provided that adequate erosion control measures are incorporated into the project plans and specifications and are implemented:

(1) public drinking water system reservoirs;

(2) stream crossings for water lines and sewer lines, provided that the stream crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause a width of disturbance of not more than 50 feet within the buffer, and native riparian vegetation is re-established in any bare or disturbed areas within the buffer;

(3) stream crossings for any utility lines of any electric membership corporation or municipal electrical system or any public utility under the regulatory jurisdiction of the Public Service Commission, any utility under the regulatory jurisdiction of the Federal Energy Regulatory Commission, any cable television system as defined in Code Section 36-18-1, or any agency or instrumentality of the United States engaged in the generation, transmission or distribution of power, provided that: (a) the stream crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause a width of disturbance of not more than 50 feet within the buffer, (b) native riparian vegetation is re-established in any bare or disturbed areas within the buffer and (c) the entity is not a secondary permittee for a project located within a common development or sale under this permit;

(4) buffer crossing for fences, provided that the crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause a width of disturbance of not more than 50 feet within the buffer, and native riparian vegetation is re-established in any bare or disturbed areas within the buffer;

(5) stream crossings for aerial utility lines, provided that: (a) the new utility line right-of-way width does not exceed 100 linear feet, (b) utility lines are routed and constructed so as to minimize the number of stream crossings and disturbances to the buffer, (c) only trees and tree debris are removed from within the buffer resulting in only minor soil erosion (i.e., disturbance to underlying vegetation is minimized), and (d) native riparian vegetation is re-established in any bare or disturbed areas within the buffer. The Plan shall include a description of the stream crossings with details of the buffer disturbance including area and length of buffer disturbance, estimated length of time of buffer disturbance, and justification;

(6) right-of-way posts, guy-wires, anchors, survey markers and the replacement or maintenance of existing utility structures within the current right-of-way undertaken or financed in whole or in part by the Department of Transportation, the Georgia Highway Authority or the State Road and Tollway Authority or undertaken by any county or municipality, provided that: (a) the area of land disturbance does not exceed 100 square feet per structure, (b) the area of buffer vegetation to be cut (not grubbed) does not exceed 1,000 square feet per structure, (c) native riparian vegetation is re-established in any bare or disturbed areas within the buffer and (d) the entity is not a secondary permittee for a project located within a common development or sale under this permit;

(7) right-of-way posts, guy-wires, anchors, survey markers and the replacement or maintenance of existing utility structures within the current right-of-way undertaken by any electric membership corporation or municipal electrical system or any public utility under the, provided that: (a) the area of land disturbance does not exceed 100 square feet per structure, (b) the area of buffer vegetation to be cut (not grubbed) does not exceed 1,000 square feet per structure, (c) native riparian vegetation is re-established in any bare or disturbed areas within the buffer and (d) the entity is not a secondary permittee for a project located within a common development or sale under this permit; and

(8) maintenance (excluding dredging), repair and/or upgrade of Soil and Water Conservation District watershed dams when under the technical supervision of the USDA NaturalResources Conservation Service.

(iii). Except as provided in Part IV(iv) below, no construction activities shall be conductedwithin a 25 foot buffer along coastal marshlands, as measured horizontally from the coastal marshland-upland interface, as determined in accordance with Part 4 of Article 4 of Chapter 5 of Title 12, the Coastal Marshlands Protection Act of 1970, and the rules and regulations promulgated thereunder, except where the Director determines to allow a variance that is at least as protective of natural resources and the environment in accordance with the provisions of O.C.G.A. 12-7-6, or where otherwise allowed by the Director pursuant to Code Section 12-2-8,or where an alteration within the buffer area has been authorized pursuant to Code Section 12-5-286, or for maintenance of any currently serviceable structure, landscaping, or hardscaping, including bridges, roads, parking lots, golf courses, golf cart paths, retaining walls, bulkheads, and patios, provided that adequate erosion control measures are incorporated into the project plans and specifications and such measures are fully implemented, or where a drainage structure or roadway drainage structure is constructed or maintained, provided that adequate erosion control measures are incorporated into the project plans and specifications and such measures are fully implemented, or on the landward side of any currently serviceable shoreline stabilization structure, or for the maintenance of any manmade stormwater detention basin, golf course pond, or impoundment that is located entirely within the property of a single individual, partnership, or corporation, provided that adequate erosion control measures are incorporated into the project plans and specifications and such measures are fully implemented. The buffer shall not apply to the following activities provided that adequate erosion control measures are incorporated into the project plans and specifications and such measures are fully implemented:

(1) Public drinking water system reservoirs;

(2) Crossings for utility lines that cause a width of disturbance of not more than 50 feet within the buffer;

(3) Any land-disturbing activity conducted pursuant to and in compliance with a valid and effective land-disturbing permit issued subsequent to April 22, 2014, and prior to December 31, 2015;

(4) Any lot for which the preliminary plat has been approved prior to December 31, 2015 if roadways, bridges, or water and sewer lines have been extended to such lot prior to the effective date of this Act and if the requirement to maintain a 25 foot buffer would consume at least 18 percent of the high ground of the platted lot otherwise available for development;

(5) Buffer crossings for fences, provided that the crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the Jurisdictional Line and cause a width of disturbance of not more than 50 feet within the buffer, and vegetation is re-established in any bare or disturbed areas within the buffer;

(6) Crossings for aerial utility lines, provided that: (a) the new utility line right-of-way width does not exceed 100 linear feet, (b) utility lines are routed and constructed so as to minimize the number of crossings and disturbances to the buffer, (c) only trees and tree debris are removed from within the buffer resulting in only minor soil erosion (i.e., disturbance to underlying vegetation is minimized), and (d) vegetation is re-established in any bare or disturbed areas within the buffer. The Plan shall include a description of the crossings with details of the buffer disturbance including area and length of buffer disturbance, estimated length of time of buffer disturbance, and justification;

(7) Right-of-way posts, guy wires, anchors, survey markers and the replacement or maintenance of existing utility structures within the current right-of-way undertaken or financed in whole or in part by the Department of Transportation, the Georgia Highway Authority or the State Road and Tollway Authority or undertaken by any county or municipality, provided that: (a) the area of land disturbance does not exceed 100 square feet per structure, (b) the area of buffer vegetation to be cut (not grubbed) does not exceed 1,000 square feet per structure, (c) vegetation is re-established in any bare or disturbed areas within the buffer and (d) the entity is not a secondary permittee for a project located within a common development or sale under this permit;

(8) Right-of-way posts, guy wires, anchors, survey markers and the replacement or maintenance of existing utility structures within the current right-of-way by any electric membership corporation or municipal electrical system or any public utility under the regulator jurisdiction of the Public Service Commission, any utility under the regulatory jurisdiction of the Federal Energy Regulatory Commission, any cable television system as defined in Code Section 36-18-1, or any agency or instrumentality of the United States engaged in the generation, transmission or distribution of power, provided that (a) the area of land disturbance does not exceed 100 square feet per structure, (b) the area of buffer vegetation to be cut (not grubbed) does not exceed 1,000 square feet per structure,

(c) vegetation is re-established in any bare or disturbed areas within the buffer and (d) the entity is not a secondary permittee for a project located within a common development or sale under this permit; and

(9) maintenance (excluding dredging), repair and/or upgrade of Soil and Water Conservation District watershed dams when under the technical supervision of the USDA Natural Resources Conservation Service.

(iv). Except as provided above, for buffers required pursuant to Part IV.(i). and (ii) and (iii), no construction activities shall be conducted within a buffer and a buffer shall remain in its natural, undisturbed, state of vegetation until all land-disturbing activities on the construction site are completed. During coverage under this permit, a buffer cannot be thinned or trimmed of vegetation and a protective vegetative cover must remain to protect water quality and aquatic habitat and a natural canopy must be left in sufficient quantity to keep shade on the stream bed or marsh. The Erosion, Sedimentation and Pollution Control Plan shall identify all potential sources of pollution which may reasonably be expected to affect the quality of stormwater discharges from the construction site. In addition, the Plan shall describe and the applicable permittee shall ensure the implementation of practices which will be used to reduce the pollutants in stormwater discharges associated with construction activity at the site and to assure compliance with the terms and conditions of this permit. The applicable permittee must implement and maintain the provisions of the Plan required under this part as a condition of this permit. Except as provided in Part IV.A.2., a single Erosion, Sedimentation and Pollution Control Plan must be prepared by the primary permittee for the stand alone construction project.

A. Deadlines for Plan Preparation and Compliance.

1. Except as provided in Part IV.A.2. and Part IV.A.6., the Erosion, Sedimentation and Pollution Control Plan shall be completed prior to submitting the NOI and prior to conducting any construction activity by any permittee.

2. For construction activities that began on or before the effective date of this permit and were subject to the regulations under the previous permit, the permittee(s) shall continue to operate under the existing Plan.

3. For construction activities that begin after the effective date of this permit, the primary permittee shall be required to prepare the Plan for that phase of the stand alone development that corresponds with the NOI being submitted and the primary permittee(s) shall implement the Plan on or before the day construction activities begin.

4. Additional Plan Submittals.

For all projects identified under Part I.C.1.b., which begin after the effective date of this permit, in a jurisdiction where there is no certified Local Issuing Authority regulating that project, a single copy of the Plan must be submitted to the EPD Watershed Protection Branch and a second copy of the Plan must be submitted to the appropriate EPD District Office prior to or concurrent with the NOI submittal. The second copy of the Plan must be submitted electronically as a Portable Document Format (PDF) file through the electronic submittal method provided by EPD, or by return receipt certified mail or similar service as a PDF on CD-ROM or other storage device to the appropriate EPD District Office. The permittee shall retain a copy of the proof of the submittal at the construction site or the proof of submittal shall be readily available at a designated alternative location from commencement of construction until such a time as a Notice of Termination (NOT) is submitted in accordance with Part VI. The EPD Watershed Protection Branch will review Plans for deficiencies using the applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted. For all projects where the construction activity as indicated on the existing NOI has changed, the amended Plans must be submitted in accordance with Part IV.A.4.a. In addition, the permittee must submit a modification NOI in accordance with Part II.

5. For stand alone projects that begin construction activity after the effective date of this permit, the primary permittee must retain the design professional who prepared the Erosion, Sedimentation and Pollution Control Plan, or an alternative design professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs which the design professional designed within seven (7) days after installation. The design professional shall determine if these BMPs have been installed and are being maintained as designed. The design professional shall report the results of the inspection to the primary permittee within seven (7) days and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report from the design professional unless weather related site conditions are such that additional time is required.

6. For storm- or emergency-related repair work, the permittee shall implement appropriate BMPs and certified personnel (provided by the primary permittee) shall inspect at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches rainfall or greater. If the storm- or emergency-related repair work will not be completed within sixty (60) days of commencement of construction activity, a single copy of the Plan shall be submitted to EPD and the permittee shall comply with all requirements of this permit on the sixty-first (61st) day.

B. Signature and Plan Review.

1. The Erosion, Sedimentation and Pollution Control Plan shall be signed in accordance with Part IV., and be retained on the site (or, if not possible, at a readily accessible location) which generates the stormwater discharge in accordance with Part IV.F. of this permit.

2. The primary permittee shall make Plans available upon request to the EPD; to designated officials of the local government reviewing soil Erosion, Sedimentation and Pollution Control Plans, grading plans, or stormwater management plans; or in the case of a stormwater discharge associated with construction activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the local government operating the municipal separate storm sewer system.

3. EPD may notify the primary permittee at any time that the Plan does not meet one or more of the minimum requirements of this Part. Within seven (7) days of such notification (or as otherwise provided by EPD), the primary permittee shall make the required changes to the Plan and shall submit to EPD either the amended Plan or a written certification that the requested changes have been made.

C. Keeping Plans Current. The primary permittee(s) shall amend their Plan whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on BMPs with a hydraulic component (i.e., those BMPs where the design is based upon rainfall intensity, duration and return frequency of storms) or if the Plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under Part IV.D.3. Amendments to the Plan must be certified by a design professional as provided in this permit.

D. Contents of Plan. The Erosion, Sedimentation and Pollution Control Plan shall include, as a minimum, best management practices, including sound conservation and engineering practices to prevent and minimize erosion and resultant sedimentation, which are consistent with, and no less stringent than, those practices contained in the "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, as well as the following:

1. Checklist. Each plan shall include a completed Erosion, Sedimentation and Pollution Control Plan Checklist established by the Georgia Soil and Water Conservation Commission (GSWCC) as of January 1 of the year in which the land-disturbing activity was permitted and amendments to the applicable Checklist as approved by the GSWCC up until the date of the NOI submittal. The applicable checklists are available on the GSWCC website.

2. Site description. Each site-specific Plan shall provide a description of pollutant sources andother information as indicated:

a. A description of the nature of the construction activity;

b. A detailed description and chart or timeline of the intended sequence of major activities which disturb soils for major portions of the site (i.e., initial sediment storage requirements and perimeter BMPs, clearing and grubbing activities, excavation activities, grading activities, infrastructure activities, immediate and final stabilization activities);

c. Estimates of the total area of the site and the total area of the site that is expected to be disturbed by excavation, grading, or other activities;

d. An estimate of the runoff coefficient or peak discharge flow of the site prior to the construction activities and after construction activities are completed and existing data describing the soil or the quality of any discharge from the site;

e. A site-specific map indicating drainage patterns and approximate slopes anticipated after major grading activities, areas of soil disturbance, an outline of areas which are not to be disturbed, the location of major structural and nonstructural controls identified in the Plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands), and locations where stormwater is discharged to a surfacewater; and

f. Identify the receiving water(s) and areal extent of wetland acreage at the site;

3. Controls. Each Plan shall include a description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial sediment storage requirements and perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase Plan. The Plan will include appropriate staging and access requirements for construction equipment. Plans submitted after the effective date of this permit shall limit the amount of disturbed area to no greater than 50 acres at any one time without prior written authorization from the appropriate EPD District Office according to the schedule in Appendix A of this permit. EPD will approve or disapprove such requests within 35 days of receipt. Failure of EPD to act within 35 days shall be considered an approval of such requests. If the EPD District Office approves a request to disturb 50 acres or more at any one time, the Plan must include at least four (4) of the best management practices listed in Part III.C.2. of this permit.

The Plan will clearly describe for each major activity identified in Part IV.D.2.b. appropriate control measures and the timing during the construction process that the measures will be implemented. The primary permittee is encouraged to utilize the document, Developing Your Stormwater Pollution Prevention Plan: A Guide for Construction Sites, EPA 833-R-060-04, May 2007, when preparing the Plan. The description and implementation of controls shall address the following minimum components:

a. Erosion and sediment controls.

(1). Stabilization measures. A description of interim and permanent stabilization measures, including site-specific scheduling of the implementation of the measures. Site plans should ensure that existing vegetation is preserved and that disturbed portions of the site are stabilized. Stabilization measures may include: temporary seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be included in the Plan. Except as provided in paragraphs IV.D.3.(a).(1).(a). below, stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased.

(a). Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently cease is precluded by snow cover or other adverse weather conditions, stabilization measures shall be initiated as soon as practicable.

(2). Structural practices. A description of structural practices to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site to the degree attainable. Such practices may include silt fences, earth dikes, drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. Structural practices should be placed on upland soils to the degree attainable. The installation of these devices may be subject to Section 404 of the CWA.

(3). Sediment basins. For common drainage locations a temporary (or permanent) sediment basin providing at least 1800 cubic feet (67 cubic yards) of storage per acre drained, or equivalent control measures, shall be provided until final stabilization of the site. The 1800 cubic feet (67 cubic yards) of storage area per acre drained does not apply to flows from off-site areas and flows from on-site areas that are either undisturbed or have undergone final stabilization where such flows are diverted around both the disturbed area and the sediment basin. For drainage locations where a temporary sediment basin providing at least 1800 cubic feet (67 cubic yards) of storage per acre drained, or equivalent controls is not attainable, sediment traps, silt fences, wood mulch berms or equivalent sediment controls are required for all side slope and down slope boundaries of the construction area. When the sediment fills to a volume at most of 22 cubic yards per acre for each acre of drainage area, the sediment shall be removed to restore the original design volume. This sediment must be properly disposed. Sediment basins may not be feasible at some construction sites. Careful consideration must be used to determine when a sediment basin cannot be used and/or when 67 cubic yards of storage per acre drained is not attainable and a written justification explaining the decision(s) must be included in the Plan. Perennial and intermittent waters of the State shall not be used for temporary or permanent sediment detention.

When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan. Outlet structures that withdraw water from the surface are temporary BMPs and must be removed prior to submitting a Notice of Termination. For construction activities where the NOI was submitted prior to January 1, 2014, this requirement of the permit is not applicable.

(4). Alternative BMPs. The use of alternative BMPs whose performance has been documented to be equivalent or superior to conventional BMPs as certified by a Design Professional may be allowed (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission).

(5). High performance BMPs. The use of infiltration trenches, seep berms, sand filters, dry wells, flocculants or coagulants, etc. for minimizing point source discharges except for large rainfall events is encouraged.

c. Stormwater management. A description of measures that will be installed during the construction process to control pollutants in stormwater discharges that will occur after construction operations have been completed. Structural measures should be placed on upland soils to the degree attainable. The installation of these devices may be subject to Section 404 of the CWA. This permit only addresses the installation of stormwater management measures, and not the ultimate operation and maintenance of such structures after the construction activities have been completed and the site has undergone final stabilization. Operators are only responsible for the installation and maintenance of stormwater management measures prior to final stabilization of the site, and are not responsible for maintenance after stormwater discharges associated with construction activity have been eliminated from the site.

(1). Such practices may include: stormwater detention structures (including wet pond); stormwater retention structures; flow attenuation by use of open vegetated swales and natural depressions; infiltration of runoff on-site; and sequential systems (which combine several practices). The Plan shall include an explanation of the technical basis used to select the practices to control pollution where flows exceed pre-development levels.

(2). Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel for the purpose of providing a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., no significant changes in the hydrological regime of the receiving water(s)).

(3). Installation and use of green infrastructure approaches and practices that mimic natural processes and direct stormwater where it can be infiltrated, evapotranspirated or re-used with significant utilization of soils and vegetation rather than traditional hardscape collection, conveyance and storage structures are encouraged to the maximum extent practicable. Green Infrastructure practices or approaches include permeable or porous paving, vegetated swales instead of curbs and gutters, green roofs, tree boxes, rain gardens, constructed wetlands, infiltration planters, vegetated median strips, protection and enhancement of riparian buffers and floodplains, and the overall reduction in site disturbance and impervious area. Design information on Green Infrastructure practices and other ways to manage stormwater can be found in the Georgia Stormwater Management Manual and Coastal Stormwater Supplement. Additional information on Green Infrastructure can be found at the USEPA website.

c. Other controls.

(1). Waste disposal. Locate waste collection areas away from streets, gutters, watercourses and storm drains. Waste collection areas, such as dumpsters, are often best located near construction site entrances to minimize traffic on disturbed soils. The Plan should include secondary containment around liquid waste collection areas to further minimize the likelihood of contaminated discharges. Solid materials, including building materials, shall not be discharged to waters of the State, except as authorized by a Section 404 permit.

(2). For building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site, provide cover (e.g. plastic sheeting, temporary roofs) to minimize the exposure of these products to precipitation and to stormwater, or a similarly effective means designed to minimize the discharge of pollutants from these areas. Minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of a specific material or product poses little risk to stormwater contamination (such as final products and materials intended for outdoor use).

(3). Off-site vehicle tracking of dirt, soils, and sediments and the generation of dust shall be minimized or eliminated to the maximum extent practical. The Plan shall include the best management practice to be implemented at the site or construction activity.

(4). Nothing in this permit relieves a permittee from any obligation to comply with all applicable State and local regulations of waste disposal, sanitary sewer, septic and petroleum storage systems.

(5). The Plan shall include best management practices for the remediation of all petroleum spills and leaks as appropriate.

(6). The Plan shall include best management practices for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of vehicles. Washout of the drum at the construction site is prohibited. Additional information about best management practices for concrete washout is available at the USEPA website.

(7). All permittees are required to minimize the discharge of pollutants from dewatering trenches and excavations. Discharges are prohibited unless managed by appropriate controls.

GSWCC
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

WILLIAM T. BUCHANAN
Level II Certified Design Professional

CERTIFICATION NUMBER 0000065516
ISSUED: 1/25/2021 EXPIRES: 1/25/2027

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PROJECT NAME:
FIRE STATION #3

PROJECT LOCATION:
2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 036340 WILLIAM TARRANT BUCHANAN

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO. 3042.2403
DRAWN BY : CRE
CHECKED BY : WTB
DATE: 04/03/2024

SHEET TITLE :
E.S.P.C. NOTES
& DETAILS
SHT. 4 OF 6

SCALE: AS NOTED
DRAWING NO. C-507
REV. A

ISSUED FOR BID / PERMIT

4. **Inspections.**

a. Permittee requirements.

(1). Each day when any type of construction activity has taken place at a primary permittee's site, certified personnel provided by the primary permittee shall inspect: (a) all areas at the primary permittee's site where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment and (b) all locations at the primary permittee's site where vehicles enter or exit the site for evidence of off-site sediment tracking. These inspections must be conducted until a Notice of Termination is submitted.

(2). Measure and record rainfall within disturbed areas of the site that have not met final stabilization once every 24 hours except any non-working Saturday, non-working Sunday and non-working Federal holiday. The data collected for the purpose of compliance with this permit shall be representative of the monitored activity. Measurement of rainfall may be suspended if all areas of the site have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region.

(3). Certified personnel (provided by the Primary Permittee) shall inspect the following at least once every seven (7) calendar days: (a) disturbed areas of the Primary Permittee's construction site; (b) areas used by the Primary Permittee for storage of materials that are exposed to precipitation; and (c) structural control measures. Erosion and sediment control measures identified in the Plan applicable to the Primary Permittee's site shall be observed to ensure that they are operating correctly. Certified personnel shall also conduct inspections within 24 hours of the end of a storm that is 0.5 inches rainfall or greater (unless such storm ends after 5:00 PM on any Friday or on any non-working Saturday, non-working Sunday or any non-working Federal holiday in which case the inspection shall be completed by the end of the next business day and/or working day, whichever occurs first). Post-rain inspections will reset the 7-day inspection frequency requirement. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region, the permittee must comply with Part IV.D.4.a.(4). These inspections must be conducted until a Notice of Termination is submitted.

(4). Certified personnel (provided by the primary permittee) shall inspect at least once per month during the term of this permit (i.e., until a Notice of Termination has been submitted) the areas of the site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and the receiving water(s).
Erosion and sediment control measures identified in the Plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s).

(5). Based on the results of each inspection, the site description and the pollution prevention and control measures identified in the Erosion, Sedimentation and Pollution Control Plan, the Plan shall be revised as appropriate not later than seven (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7) calendar days following each inspection.

(6). A report of each inspection that includes the name(s) of certified personnel making each inspection, the date(s) of each inspection, construction phase (i.e., initial, intermediate or final), major observations relating to the implementation of the Erosion, Sedimentation and Pollution Control Plan, and actions taken in accordance with Part IV.D.4.a.(5). of the permit shall be made and retained at the site or be readily available at a designated alternate location until the entire site or that portion of a construction site that has been phased has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports shall be readily available by end of the second business day and/or working day and shall identify all incidents of best management practices that have not been properly installed and/or maintained as described in the Plan. Where the report does not identify any incidents, the inspection report shall contain a certification that the best management practices are in compliance with the Erosion, Sedimentation and Pollution Control Plan. The report shall be signed in accordance with Part V.G.2. of this permit.

4. **Maintenance.** The Plan shall include a description of procedures to ensure the timely maintenance of vegetation, erosion and sediment control measures and other protective measures identified in the site plan.

5. **Sampling Requirements.** This permit requires the monitoring of nephelometric turbidity in receiving water(s) or outfalls in accordance with this permit. This paragraph shall not apply to any land disturbance associated with the construction of single-family homes which are not part of a subdivision or planned common development unless five (5) acres or more will be disturbed. The following procedures constitute EPD's guidelines for sampling turbidity.

a. Sampling Requirements shall include the following:

(1). A USGS topographic map, a topographic map or a drawing (referred to as a topographic map) that is a scale equal to or more detailed than a 1:24000 map showing the location of the site or the stand alone construction; (a) the location of all perennial and intermittent streams and other water bodies as shown on a USGS topographic map, and all other perennial and intermittent streams and other water bodies located during mandatory field verification, into which the stormwater is discharged and (b) the receiving water and/or outfall sampling locations. When the permittee has chosen to use a USGS topographic map and the receiving water(s) is not shown on the USGS topographic map, the location of the receiving water(s) must be hand-drawn on the USGS topographic map from where the stormwater(s) enters the receiving water(s) to the point where the receiving water(s) combines with the first blue line stream shown on the USGS topographic map;

(2). A written narrative of site specific analytical methods used to collect, handle and analyze the samples including quality control/quality assurance procedures. This narrative must include precise sampling methodology for each sampling location;

(3). When the permittee has determined that some or all outfalls will be sampled, a rationale must be included on the Plan for the NTU limit(s) selected from Appendix B. This rationale must include the size of the construction site, the calculation of the size of the surface water drainage area, and the type of receiving water(s) (i.e., trout stream or supporting warm water fisheries); and

(4). Any additional information EPD determines necessary to be part of the Plan. EPD will provide written notice to the permittee of the information necessary and the time line for submittal.

b. Sample Type. All sampling shall be collected by "grab samples" and the analysis of these samples must be conducted in accordance with methodology and test procedures established by 40 CFR Part 136 (unless other test procedures have been approved); the guidance document titled "NPDES Storm Water Sampling Guidance Document, EPA 833-B-92-001" and guidance documents that may be prepared by the EPD.

(1). Sample containers should be labeled prior to collecting the samples.

(2). Samples should be well mixed before transferring to a secondary container.

(3). Large mouth, well cleaned and rinsed glass or plastic jars should be used for collecting samples. The jars should be cleaned thoroughly to avoid contamination.

(4). Manual, automatic or rising stage sampling may be utilized. Samples required by this permit should be analyzed immediately, but in no case later than 48 hours after collection. However, samples from automatic samplers must be collected no later than the next business day after their accumulation, unless flow through automated analysis is utilized. If automatic sampling is utilized and the automatic sampler is not activated during the qualifying event, the permittee must utilize manual sampling or rising stage sampling during the next qualifying event. Dilution of samples is not required. Samples may be analyzed directly with a properly calibrated turbidimeter. Samples are not required to be cooled.

(5). Sampling and analysis of the receiving water(s) or outfalls beyond the minimum frequency stated in this permit must be reported to EPD as specified in Part IV.E.

c. Sampling Points.

(1). For construction activities the primary permittee must sample all receiving water(s), or all outfall(s), or a combination of receiving water(s) and outfall(s). Samples taken for the purpose of compliance with this permit shall be representative of the monitored activity and representative of the water quality of the receiving water(s) and/or the stormwater outfalls using the following minimum guidelines:

(a). The upstream sample for each receiving water(s) must be taken immediately upstream of the confluence of the first stormwater discharge from the permitted activity (i.e., the discharge farthest upstream at the site) but downstream of any other stormwater discharges not associated with the permitted activity. Where appropriate, several upstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the upstream turbidity value.

(b). The downstream sample for each receiving water(s) must be taken downstream of the confluence of the last stormwater discharge from the permitted activity (i.e., the discharge farthest downstream at the site) but upstream of any other stormwater discharge not associated with the permitted activity. Where appropriate, several downstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the downstream turbidity value.

(c). Ideally the samples should be taken from the horizontal and vertical center of the receiving water(s) or the stormwater outfall channel(s).

(d). Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall stormwater channel.

(e). The sampling container should be held so that the opening faces upstream.

(f). The samples should be kept free from floating debris.

(g). Permittees do not have to sample sheet flow that flows ontoundisturbed natural areas or areas stabilized by the project. For purposes of this section, stabilized shall mean, for unpaved areas and areas not covered by permanent structures and areas located outside the wastedisposal limits of a landfill cell that has been certified by EPD for waste disposal, 100% of the soil surface is uniformly covered in permanentvegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas), or equivalent permanent stabilization measures as defined in the Manual (excluding a crop of annual vegetation and a seeding of target crop perennials appropriate for the region).

(h). All sampling pursuant to this permit must be done in such a way (including generally accepted sampling methods, locations, timing, and frequency) as to accurately reflect whether stormwater runoff from the construction site is in compliance with the standard set forth in Parts III.D.2. or III.D.4., whichever is applicable.

d. Sampling Frequency.

(1). The primary permittee must sample in accordance with the Plan at least once for each rainfall event described below. For a qualifying event, the permittee shall sample at the beginning of any stormwater discharge to a monitored receiving water and/or from a monitored outfall location within in forty-five (45) minutes or as soon as possible.

(2). However, where manual and automatic sampling are impossible (as defined in this permit), or are beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the stormwater discharge.

(3). Sampling by the permittee shall occur for the following qualifying events:

(a). For each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours as defined in this permit after all clearing and grubbing operations have been completed, but prior to completion of mass grading operations, in the drainage area of the location selected as the sampling location;

(b). In addition to (a) above, for each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours as defined in this permit either 90 days after the first sampling event or after all mass grading operations have been completed, but prior to submittal of a NOT, in the drainage area of the location selected as the sampling location, whichever comes first;

(c). At the time of sampling performed pursuant to (a) and (b) above, if BMPs in any area of the site that discharges to a receiving water or from an outfall are not properly designed, installed and maintained, corrective action shall be defined and implemented within two (2) business days, and turbidity samples shall be taken from discharges from that area of the site for each subsequent rain event that reaches or exceeds 0.5 inch during normal business hours* until the selected turbidity standard is attained, or until post-storm event inspections determine that BMPs are properly designed, installed and maintained;

(d). Where sampling pursuant to (a), (b) or (c) above is required but not possible (or not required because there was no discharge), the permittee, in accordance with Part IV.D.4.a.(6), must include a written justification in the inspection report of why sampling was not performed. Providing this justification does not relieve the permittee of any subsequent sampling obligations under (a), (b) or (c) above; and

(e). Existing construction activities, i.e., those that are occurring on or before the effective date of this permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities that have met the sampling required by (b) above shall not be required to conduct additional sampling other than as required by (c) above.

*Note that the permittee may choose to meet the requirements of (a) and (b) above by collecting turbidity samples from any rain event that reaches or exceeds 0.5 inch and allows for sampling at any time of the day or week.

7. **Non-stormwater discharges.** Except for flows from fire fighting activities, sources of nonstormwater listed in Part III.A.2. of this permit that are combined with stormwater discharges associated with construction activity must be identified in the Plan. The Plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-stormwater component(s) of the discharge.

E. Reporting.

1. The applicable permittees are required to submit the sampling results to the EPD at the address shown in Part II.C. by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible format. Upon written notification, EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Sampling and analysis of any stormwater discharge(s) or the receiving water(s) beyond the minimum frequency stated in this permit must be reported in a similar manner to the EPD. The sampling reports must be signed in accordance with Part V.G.2. Sampling reports must be submitted to EPD using the electronic submittal service provided by EPD. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.
2. All sampling reports shall include the following information:

a. The rainfall amount, date, exact place and time of sampling or measurements;
b. The name(s) of the certified personnel who performed the sampling and measurements;
c. The date(s) analyses were performed;
d. The time(s) analyses were initiated;
e. The name(s) of the certified personnel who performed the analyses;
f. References and written procedures, when available, for the analytical techniques or methods used;
g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results;
h. Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU;" and
i. Certification statement that sampling was conducted as per the Plan.

3. All written correspondence required by this permit shall be submitted by return receipt certified mail (or similar service) to the appropriate District Office of the EPD according to the schedule in Appendix A of this permit. The permittee shall retain a copy of the proof of submittal at the construction site or the proof of submittal shall be readily available at a designated location from commencement of construction until such time as a NOT is submitted in accordance with Part VI.

F. Retention of Records.

1. The primary permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part VI:

a. A copy of all Notices of Intent submitted to EPD;
b. A copy of the Erosion, Sedimentation and Pollution Control Plan required by this permit;
c. The design professional's report of the results of the inspection conducted in accordance with Part IV.A.5. of this permit;
d. A copy of all sampling information, results, and reports required by this permit;
e. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this permit;
f. A copy of all violation summaries and violation summary reports generated in accordance with Part III.D.2. of this permit; and
g. Daily rainfall information collected in accordance with Part IV.D.4.a.(2). of thispermit.

2. Copies of all Notices of Intent, Notices of Termination, inspection reports, sampling reports (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) or other reports requested by the EPD, Erosion, Sedimentation and Pollution Control Plans, records of all data used to complete the Notice of Intent to be covered by this permit and all other records required by this permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the NOT is submitted in accordance with Part VI. of this permit. These records must be maintained at the permittee's primary place of business or at a designated alternative location once the construction activity has ceased at the permitted site. This period may be extended by request of the EPD at any time upon written notification to the permittee.

Part V. STANDARD PERMIT CONDITIONS

A. Duty to Comply.

1. Each permittee must comply with all applicable conditions of this permit. Any permit noncompliance constitutes a violation of the Georgia Water Quality Control Act (O.C.G.A. §§12-5-20, et seq.) and is grounds for enforcement action; for permit termination; or for denial of a permit renewal application. Failure of a primary permittee to comply with any applicable term or condition of this permit shall not relieve any other primary permittee from compliance with their applicable terms and conditions of this permit.
2. Each permittee must document in their records any and all known violations of this permit at his/her site within seven (7) days of his/her knowledge of the violation. A summary of these violations must be submitted to EPD by the permittee at the addresses shown in Part II.C. within fourteen (14) days of his/her discovery of the violation.
3. Penalties for violations of permit conditions. The Federal Clean Water Act and the Georgia Water Quality Control Act (O.C.G.A. §§12-5-20, et seq.) provide that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit, makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction be punished by a fine or by imprisonment, or by both. The Federal Clean Water Act and the Georgia Water Quality Control Act also provide procedures for imposing civil penalties which may be levied for violations of the Acts, any permit condition or limitation established pursuant to the Acts, or negligently or intentionally failing or refusing to comply with any final or emergency order of the Director.

B. Continuation of the Expired General Permit. This permit expires on the date shown on the cover page of this permit. However, an expired general permit continues in force and effect until a new general permit is issued, final and effective.

C. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

D. Duty to Mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

E. Duty to Provide Information. The permittee shall furnish to the Director; a State or local agency approving soil Erosion, Sedimentation and Pollution Control Plans, grading plans, or stormwater management plans; or in the case of a stormwater discharge associated with construction activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the local government operating the municipal separate storm sewer system, any information which is requested to determine compliance with this permit. In the case of information submitted to the EPD such information shall be considered public information and available under the Georgia Open Records Act.

F. Other Information. When the permittee becomes aware that he failed to submit any relevant facts or submitted incorrect information in the Notice of Intent or in any other report required tobe submitted to the EPD, the permittee shall promptly submit such facts or information.

G. Signatory Requirements. All Notices of Intent, Notice of Terminations, inspection reports, sampling reports or other reports requested by the EPD shall be signed as follows:

1. All Notices of Intent and Notices of Termination shall be signed as follows:

a. For a corporation: by a responsible corporate officer. For the purpose of this permit, a responsible corporate officer means: (1) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation; or (2) the manager of one or more manufacturing, production or operating facilities provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
c. For a municipality, State, Federal, or other public facility: by either a principal executive officer or ranking elected official; and
d. Changes to authorization. If an authorization under Part II.B. is no longer accurate, a modification NOI satisfying the requirements of Part II.B. must be submitted to the EPD prior to or together with any inspection reports, sampling reports, or other reports requested by the EPD to be signed by a person described above or by a duly authorized representative of that person.

2. All inspection reports, sampling reports, or other reports requested by the EPD shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

a. The authorization is made in writing by a person(s) described above and submitted tothe EPD;
b. The authorization specifies either an individual or a position having responsibility for specified operation(s) of the regulated facility or activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may be either a named individual or any individual occupying a named position); and
c. Certification. Reports delineated in Part V.G.2. shall be signed by the permittee or duly authorized representative and shall make the following certification:

"I certify under penalty of law that this report and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that certified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

H. Oil and Hazardous Substance Liability. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under the Georgia Hazardous Waste Management Act, O.C.G.A. § 12-8-60, et seq. or under Chapter 14 of Title 12 of the Official Code of Georgia Annotated; nor is the Operator relieved from any responsibilities, liabilities or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act or Section 106 of Comprehensive Environmental Response Compensation And Liability Act.

I. Property Rights. The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

J. Severability. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

K. Other Applicable Environmental Regulations and Laws. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Clean Water Act. Nothing in this permit, unless explicitly stated, exempts the permittee from compliance with other applicable local, state and federal ordinances, rules, regulations, and laws. Furthermore, it is not a defense to compliance with this permit that a local government authority has approved the permittee'sErosion, Sedimentation and Pollution Control Plan or failed to take enforcement action against the permittee for violations of the Erosion, Sedimentation and Pollution Control Plan, or other provisions of this permit. No condition of this permit shall release the permittee from any responsibility or requirements under other environmental statutes or regulations.

L. Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit and with the required plans. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a permittee only when necessary to achieve compliance with the conditions of the permit.

M. Inspection and Entry. The permittee shall allow the Director or an authorized representativeof EPA, EPD or to designated officials of the local government reviewing soil Erosion, Sedimentation and Pollution Control Plans, grading plans, or stormwater management plans; or, in the case of a construction site which discharges through a municipal separate storm sewer system, an authorized representative of the municipal operator of the separate storm sewer system receiving the discharge, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit; and
2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit; and
3. Inspect at reasonable times any facilities or equipment (including monitoring and control equipment).

N. Permit Actions. This permit may be revoked and reissued, or terminated for cause including but not limited to changes in the law or regulations. The filing of a request by the permittee for termination of the permit, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

Part VI. TERMINATION OF COVERAGE

A. Notice of Termination Eligibility. Notice of Termination signed in accordance with Part V.G.2. of this permit must be submitted:

1. For construction activities, by the permittee where the entire stand alone development has undergone final stabilization, all stormwater discharges associated with construction activity that are authorized by this permit have ceased, the site is in compliance with this permit and all temporary BMPs have been removed. For construction activities where the primary permittee has elected to submit NOIs for separate phases of the stand alone development, the phase or phases of the stand alone development on the NOT shall correspond to the phase or phases on the NOI.
2. By the Owner or Operator when the Owner or Operator of the site changes. Where stormwater discharges will continue after the identity of the Owner or Operator changes, the permittee must, prior to filing the Notice of Termination, notify any subsequent Owner or Operator of the permitted site as to the requirements of this permit.

B. Notice of Termination Contents:

1. The NPDES permit number for the stormwater discharge associated with construction activity identified by the Notice of Termination (i.e., GAR100001 – Stand Alone);
2. The project construction site name, GPS location (decimal degrees) of construction exit, construction site location, city (if applicable) and county of the construction site for which the notification is submitted. This information must correspond to the similar information as provided on the NOI. Where an address for the construction site is not available, the construction site location information must be sufficient to accurately locate the construction site;
3. The Owner's legal name, address, telephone number and email address and the Operator's legal name, address, telephone and email address;
4. The name of the initial receiving water(s), and when the discharge is through a municipal separate storm sewer system (MS4), the name of the local government operating the municipal separate storm sewer system and the name of the receiving water(s) which receives the discharge from the MS4;
5. Copies of all sampling reports not previously submitted and/or a written justification why sampling was not conducted. Copies of all sampling reports may be submitted as a Portable Document Format (PDF) file on CD-ROM or other storage device;
6. Any other information specified on the NOT in effect at the time of submittal; and
7. The following certification signed in accordance with Part V.G.1. (signatory requirements):

"I certify under penalty of law that either: (a) all stormwater discharges associated with construction activity authorized by this permit have ceased, the site is in compliance with this permit and all temporary BMPs have been removed or (b) I am no longer an Owner or Operator at the construction site and a new Owner or Operator has assumed operational control of the permitted construction site where I previously had ownership or operational control; and that discharging pollutants in stormwater associated with construction activity to waters of Georgia is unlawful under the Georgia Water Quality Control Act and the Clean Water Act where the discharge is not authorized by a NPDES permit."

C. Notice of Termination Submittal. All Notices of Termination (NOT) for this permit shall be submitted to EPD using the electronic submittal service provided by EPD and a copy to the Local Issuing Authority in jurisdictions authorized to issue a Land Disturbance Activity permit for the permittee's construction site pursuant to O.C.G.A. 12-7-1, et seq.

SOIL SEDIMENTATION AND POLLUTION CONTROL NOTES

CLEARING PHASE - INITIAL PERIMETER CONTROL

PRIOR TO THE LAND DISTURBING ACTIVITY, THE CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 50 FT OF DESIGNATED TREE PROTECTION AREAS OR STREAM BUFFERS.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES. POST ON DAY ONE.

4. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
5. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY AS SHOWN ON THE PLANS.
6. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE PHASE 1 E.S.P.C. PLAN.
7. TREE PROTECTION FENCING AND STREAM BUFFER LIMITS SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
8. AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL WITHIN 7 DAYS. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN OCCURRENCES OCCUR IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTION WITH CONSULTATION WITH DESIGN PROFESSIONAL.
9. AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT PONDS AND DIVERSION DIKES TO CONTROL EROSION AND STORMWATER RUNOFF.
10. THE CONTRACTOR SHALL IMPLEMENT NPDES REQUIREMENTS PART IV OF GAR 100001 THRU THE DURATION OF PROJECT.
11. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE (LIA's MAY REQUIRE LESS).
12. TEMPORARY VEGETATION MAY BE EMPLOYED INSTEAD OF MULCH IF THE AREA REMAINS UNDISTURBED FOR LESS THAN 6 MONTHS. IF AN AREA WILL REMAIN UNDISTURBED FOR MORE THAN 6 MONTHS, PERMANENT VEGETATION TECHNIQUES SHALL BE EMPLOYED.
13. CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
14. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED E.S.P.C. PLANS, I.E., MANDATORY STOP WORK ORDER.
15. THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.
16. NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION OF THE OWNER AND/OR THE ENGINEER OF RECORD.
17. ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE PHASE 1 - E.S.P.C. PLAN.
18. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED 1/3 THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
19. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1"-3" OF STONE AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

GRADING PHASE - INTERMEDIATE EROSION & SEDIMENT CONTROL

1. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATION, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.
2. MAINTAIN FULL COORDINATION WITH THE DESIGN PROFESSIONAL, CONTRACTOR AND REGULATORY INSPECTOR AT ALL TIMES REGARDING PROJECT SEQUENCE.
3. EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/3 HEIGHT OF BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE CONSTRUCTED ALONG THE TOP OF SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL STORMWATER RUNOFF AS SHOWN ON THE PLANS.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTORS' RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

7. TYPE "C", SENSITIVE SILT FENCE SHOULD BE INSTALLED AT THE TOE OF ALL FILL SLOPES 10FT OR GREATER IN HEIGHT UNLESS NOTED OTHERWISE ON PLAN. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN ON THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED AND GRADE SHALL BE REESTABLISHED PER PROPOSED.
9. ALL SLOPES STEEPER THAN 3:1 AND WITH A HEIGHT OF 10 FT. OR GREATER, AND CUTS AND FILLS WITHIN STEAM BUFFERS, SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL MATTING OR BLANKETS.
10. TYPE "A", NON-SENSITIVE SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS.
11. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED.
12. MULCH OR TEMPORARY VEGETATION SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.
13. ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.
14. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE POND WHEN IT REACHES THE 1/3 DEPTH OF BASIN.
15. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ½ THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
16. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION, WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1"-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM A VEHICLE ONTO A PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
17. CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
18. FAILURE TO INSTALL OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED E.S.P.C. PLANS.

FINAL PHASE - FINAL STABILIZATION

1. MAINTAIN FULL COORDINATION WITH THE DESIGN PROFESSIONAL, CONTRACTOR AND REGULATORY INSPECTOR AT ALL TIMES UNTIL FINAL PHASE.
2. SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.
3. THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT TRAPS AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
4. AFTER CURBING, GRADED AGGREGATE BASE, AND PAVEMENT HAS BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON A SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION.
5. ALL ROADWAY AND PARKING SHOULDERS SHOULD BE GRASSED AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.
6. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED 1/3 THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
7. THE CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
8. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON JOB UNTIL SUCH MEASURES ARE FUNCTIONING PROPERLY.
9. ALL DISTURBED AREAS WILL BE GRASSED AND STABILIZED IMMEDIATELY AFTER GRADING ACCORDING TO THE GRASSING, FERTILIZATION AND MULCH SPECIFICATION. STABILIZATION MEASURES SHALL BE INITIATED ON DISTURBED AREAS WITHIN 14 DAYS OF CESSATION OF CONSTRUCTION ACTIVITY IN THAT AREA, OR WHEN CONSTRUCTION ACTIVITY WILL NOT RESUME WITHIN TWENTY-ONE (21) DAYS OR WITHIN FOURTEEN (14) DAYS OF COMPLETION OF CONSTRUCTION ACTIVITY.
10. FINAL GRADING WILL CONSIST OF SPREADING TOPSOIL (4" MIN. TO FINISHED GRADES INDICATED) ON ALL DISTURBED AREAS NOT PAVED.
11. ALL SLOPES STEEPER THAN 4:1 WILL BE HYDROSEEDED UNLESS OTHERWISE SODDED.

GSWCC
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

WILLIAM T. BUCHANAN
Level II Certified Design Professional

CERTIFICATION NUMBER 0000065516
ISSUED: 1/25/2021 EXPIRES: 1/25/2027

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WWW.THEJLAGROUP.COM

CLIENT:
AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME:
FIRE STATION #3

PROJECT LOCATION:
2649 GORDON HWY., AUGUSTA, GA 30909

Will Buchanan
No. 036340
WILLIAM TARRANT BUCHANAN
04/29/25

JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. PEF000356
EXPIRATION DATE: JUNE 30, 2026

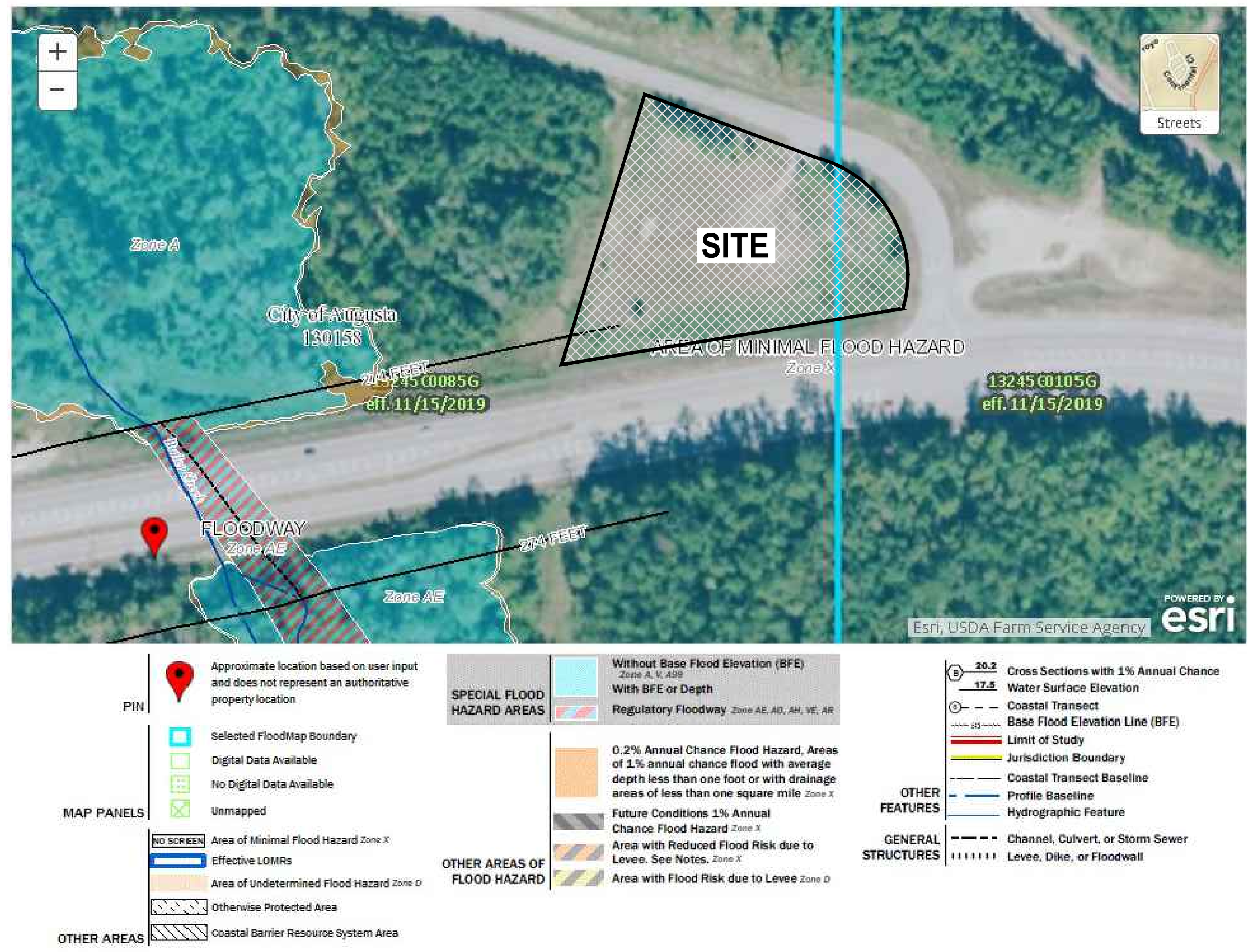
REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO. 3042.2403
DRAWN BY : CRE
CHECKED BY : WTB
DATE: 04/03/2024

SHEET TITLE :
E.S.P.C. NOTES & DETAILS SHT. 5 OF 6

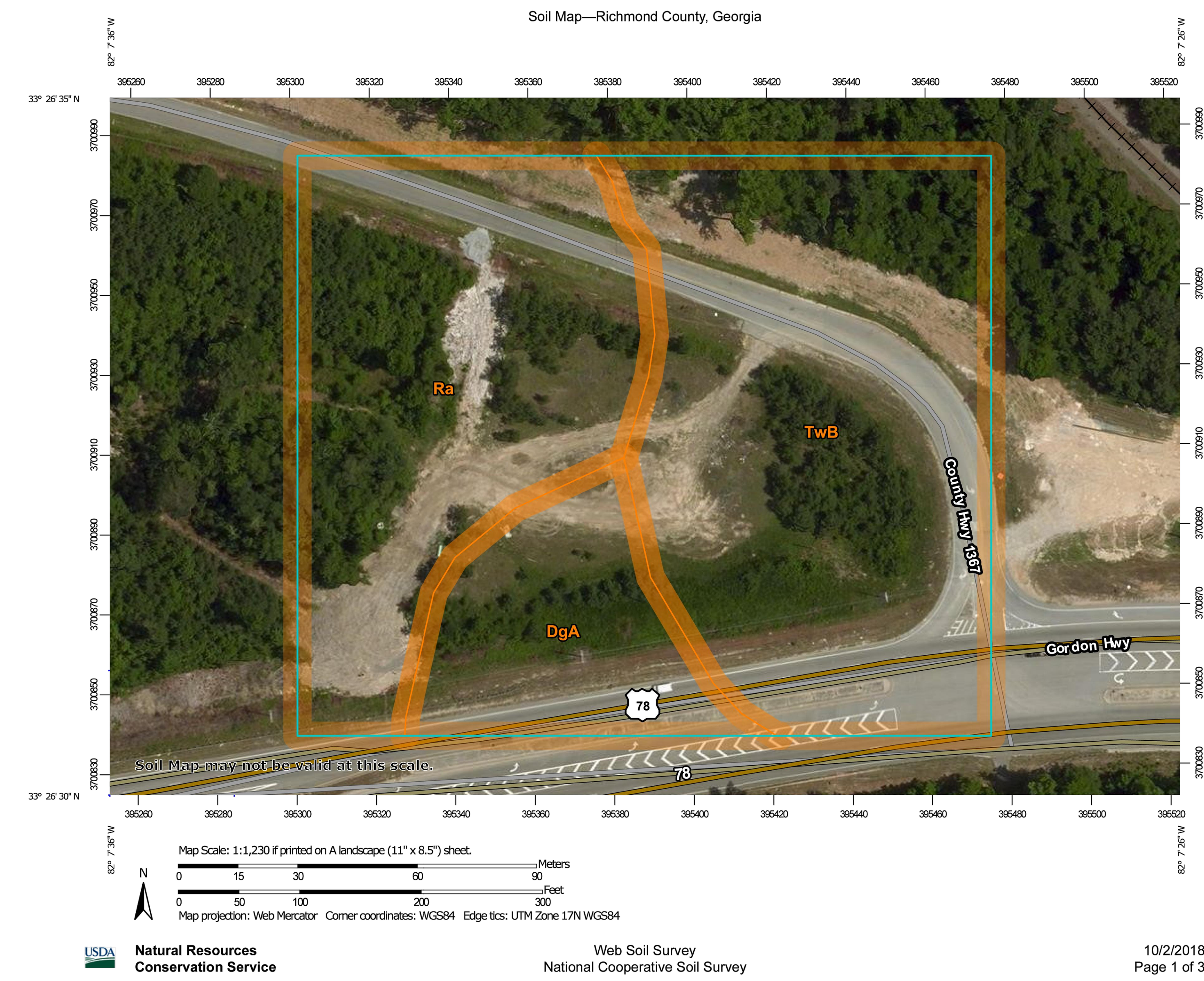
SCALE: AS NOTED
DRAWING NO. C-508
REV. A

ISSUED FOR BID / PERMIT



FEMA FLOOD MAP

SCALE: NTS



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
DgA	Dogue fine sandy loam, 0 to 3 percent slopes	0.9	14.7%
Ra	Rains loamy sand	2.3	36.8%
TwB	Troup fine sand, 1 to 5 percent slopes	3.1	48.5%
Totals for Area of Interest		6.3	100.0%

SURFACE DRAINAGE AREA MAP

SCALE: NTS

NPDES GAR 100001 CERTIFICATION

(1)I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR100001.

(2)I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION.

William T. Buchanan (signature) — 04/29/25

WILLIAM T. BUCHANAN, P.E.
LEVEL II CERT. NO. 0000065516

DATE

NARRATIVE OF LAND DISTURBING ACTIVITY

THE AUGUSTA FIRE DEPARTMENT PROPOSES THE CONSTRUCTION OF A NEW ±12,500 SF FIRE STATION LOCATED ON A 2.10-ACRE PROPERTY AT 2640 GORDON HIGHWAY (TPN 066-0-053-00-0) IN AUGUSTA. THE PROPERTY IS UNDEVELOPED WITH SPARSE VEGETATIVE COVER (POOR CONDITION). THE SITE SLOPES SIGNIFICANTLY (RANGING FROM 5% TO 25%) FROM NORTHEAST TO SOUTHWEST. THE PROPOSED PROJECT WILL INCLUDE ASPHALT AND CONCRETE PAVING, STORMWATER INFRASTRUCTURE AND UTILITIES TO SERVE THE DEVELOPMENT. AN ABOVE GROUND DETENTION POND WILL PROVIDE STORMWATER QUANTITY CONTROL FOR THE DEVELOPMENT. ADS FLEXSTORM PURE INLET FILTERS UPSTREAM OF THE POND WILL PROVIDE WATER QUALITY CONTROL FOR THE DEVELOPMENT. THE SITE SOILS ARE SHOWN TO BE TROUP FINE SAND (HYDROLOGIC GROUP "A"), DOGUE FINE SANDY LOAD (HYDROLOGIC GROUP "C") AND RAINS LOAMY SAND (HYDROLOGIC GROUP "B/D" AS ACCORDING TO THE USDA / NRCS WEB SOIL SURVEY. STORMWATER RUNOFF FROM THE PROPERTY DRAINS TO BUTLER CREEK.

PRACTICES THAT WILL BE USED TO REDUCE THE POLLUTANTS IN STORM WATER DISCHARGES DURING CONSTRUCTION INCLUDE (CHECKLIST ITEMS 26 & 35):

INITIAL PHASE: PERIMETER CONTROL

- SILT FENCE - TO PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE SITE AND ENTERING NATURAL DRAINAGE WAYS OR STORM DRAINAGE SYSTEM BY SLOWING STORM WATER RUNOFF AND CAUSING DEPOSITION OS SEDIMENT AT THE STRUCTURE.
- TEMPORARY SEDIMENT TRAP - TO PREVENT SEDIMENT FLOW FROM LEAVING THE SITE AND ALLOW SEDIMENT TO SETTLE OUT OF STORM WATER PRIOR TO DISCHARGE OFF SITE.
- CONSTRUCTION EXIT - TO REDUCE AND ELIMINATE TRANSPORT OF MUD FROM CONSTRUCTION AREA INTO PUBLIC RIGHTS-OF-WAY BY MOTOR VEHICLES OR BY RUNOFF,
- CONSTRUCTION ROAD TO PROVIDE A FIXED TRAVEL ROUTE FOR CONSTRUCTION TRAFFIC AND REDUCE EROSION AND SUBSEQUENT REGRADING OF PERMANENT ROADBEDS BETWEEN TIME OF INITIAL GRADING AND FINAL STABILIZATION.

INTERMEDIATE PHASE: INTERMEDIATE CONSTRUCTION CONTROL

- SILT FENCE - TO PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE SITE AND ENTERING NATURAL DRAINAGE WAYS OR STORM DRAINAGE SYSTEM BY SLOWING STORM WATER RUNOFF AND CAUSING DEPOSITION OS SEDIMENT AT THE STRUCTURE.
- CONSTRUCTION EXIT - TO REDUCE AND ELIMINATE TRANSPORT OF MUD FROM CONSTRUCTION AREA INTO PUBLIC RIGHTS-OF-WAY BY MOTOR VEHICLES OR BY RUNOFF,
- DUST CONTROL - TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACE AND TO REDUCE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY BE HARMFUL OR INJURIOUS TO HUMAN HEALTH WELFARE, OR SAFETY, OR TO ANIMALS OR PLANT LIFE.
- EROSION CONTROL MATTING ON SLOPES 3:1 OR GREATER.
- TEMPORARY GRASSING TO REDUCE RUNOFF AND SEDIMENT DAMAGE OF DOWNSTREAM RESOURCES.
- RIPRAP OUTLET PROTECTION TO REDUCE VELOCITY OF FLOW BEFORE ENTERING RECEIVING CHANNELS BELOW STORM DRAIN OUTLETS.

FINAL PHASE: SITE STABILIZATION

- PERMANENT GRASSING AND/OR VEGETATION AS SPECIFIED ON THE LANDSCAPE PLAN

MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS WILL INCLUDE (CHECKLIST ITEM 26):

- PERMANENT GRASSING - TO REDUCE RUNOFF AND SEDIMENT DRAINAGE; PROTECT SOIL SURFACE FROM EROSION AND TO IMPROVE INFILTRATION AND AERATION AS WELL AS ORGANIC MATTER FOR PERMANENT PLANTINGS.

GSWCC Georgia Soil and Water Conservation Commission
WILLIAM T. BUCHANAN
Level II Certified Design Professional
Certification Number 0000065516
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535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 036340 WILLIAM TARRANT BUCHANAN — 04/29/25

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024

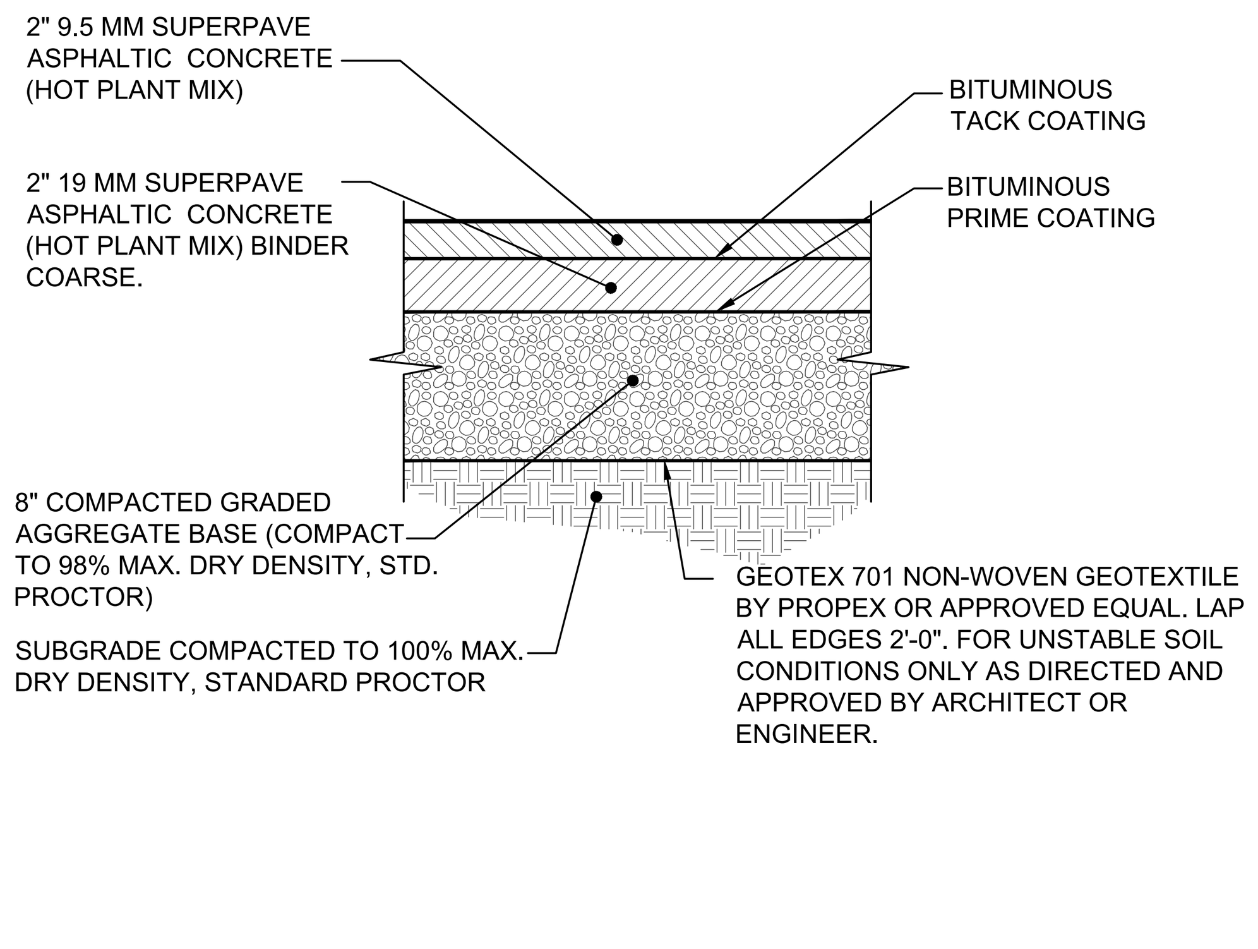
SHEET TITLE :

E.S.P.C. NOTES & DETAILS SHT. 6 OF 6

SCALE: AS NOTED

DRAWING NO. C-509 REV. A

ISSUED FOR BID / PERMIT

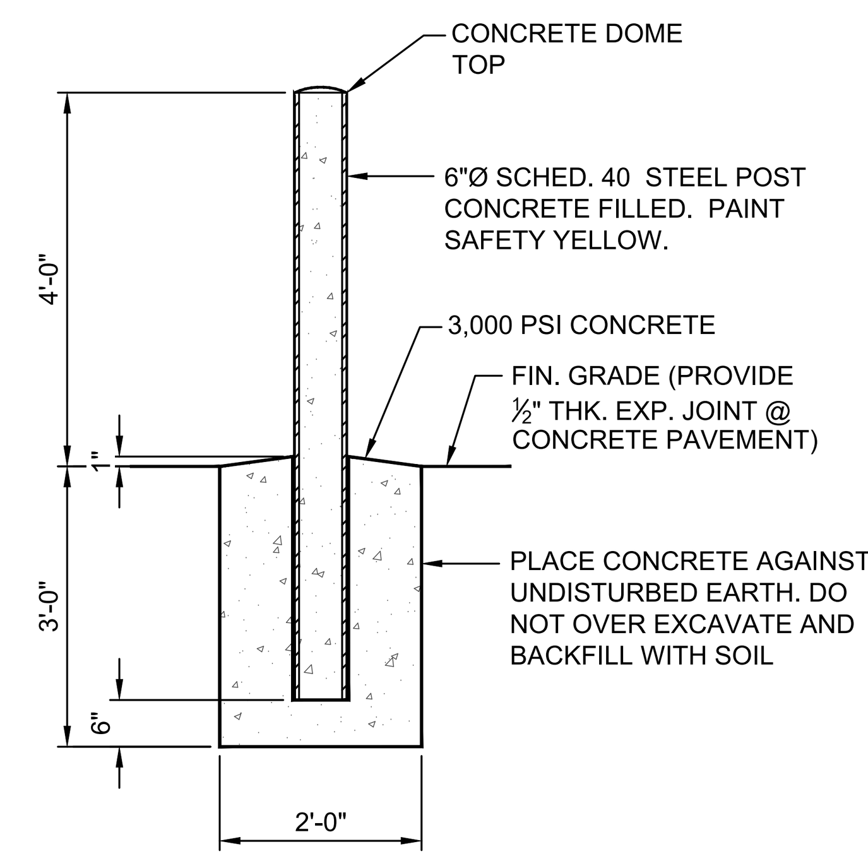


(ALL MATERIALS AND CONSTRUCTION PER GDOT STANDARDS & SPECIFICATIONS)

TYPICAL SECTION THRU ASPHALT PAVEMENT AND BASE (HEAVY-DUTY)

NO SCALE

1 / C-601



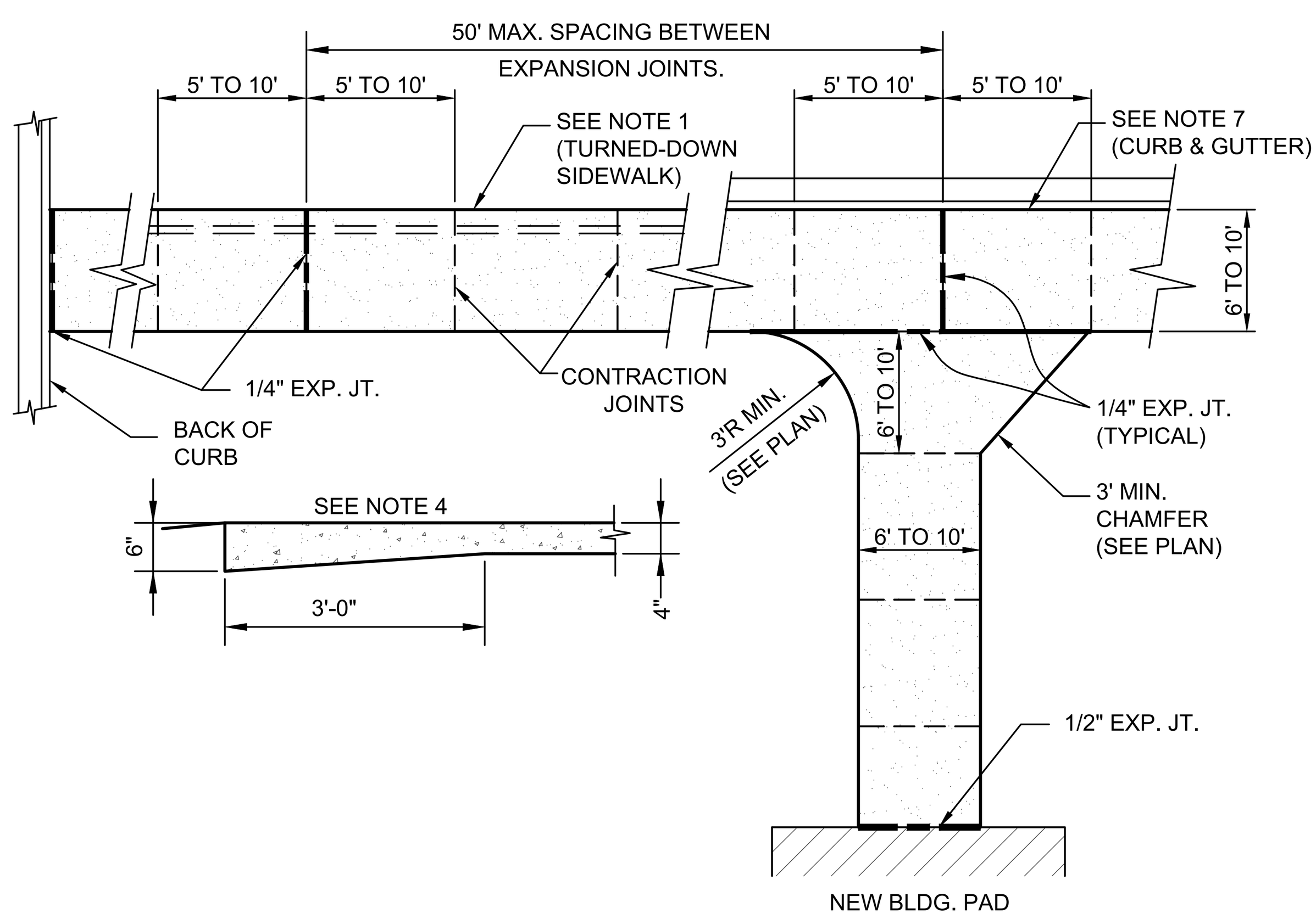
PIPE BOLLARD DETAIL

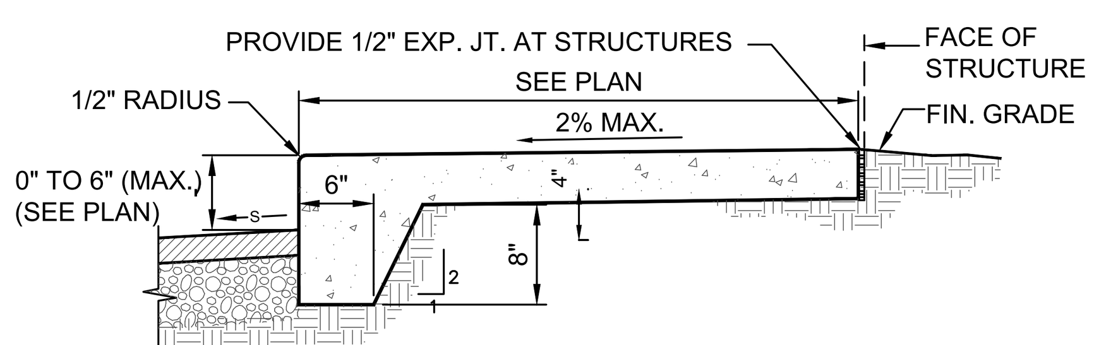
NO SCALE

2 / C-601

NOTES:

1. ALL SIDEWALKS SHALL BE 4" THICK, EXCEPT WHERE SHOWN WITH TURNED-DOWN EDGE (SEE "TURNED-DOWN EDGE SIDEWALK" DETAIL BELOW).
2. CONTRACTION JOINTS SHALL BE PLACED AT 6' INTERVALS FOR 6' SIDEWALKS AND 5' INTERVALS FOR 10' SIDEWALKS W/ A LONGITUDINAL JOINT IN THE CENTER OF THE 10' WIDE SIDEWALKS; CONTRACTION JOINTS SHALL BE 1" DEEP AND EDGED WITH 1/8" RADIUS.
3. CONSTRUCT 1/4" EXP. JOINT MAXIMUM 50 FT. SPACING BETWEEN JOINTS.
4. WHEN THE SIDEWALK ABUTS A ROADWAY OR WHERE THERE IS NO CURB, THICKEN THE SIDEWALK TO 6" IN 3'-0". WHERE SIDEWALKS ARE USED IN PARKING LOTS IN LIEU OF CURB & GUTTER SEE "TURNED-DOWN EDGE SIDEWALK" DETAIL.
5. INSTALL 1/2" EXP. MATERIAL WHERE CONC. SIDEWALKS ABUT CONCRETE STRUCTURES.
6. A LAYER OF 15# FELT IS REQUIRED BETWEEN WALK AND ADJACENT PARALLELING CONCRETE CURB.
7. CONSTRUCT WHEELCHAIR RAMP AND DETECTABLE WARNING PER GEORGIA D.O.T. AND ADA STANDARDS (SEE SITE PLAN FOR TYPE).
8. ALL CONCRETE SHALL BE 3,000 PSI.
9. SIDEWALK CROSS SLOPE NOT TO EXCEED 2.0%.
10. CONCRETE SIDEWALK SHALL HAVE POLYPROPYLENE FIBER REINFORCING AT A RATE OF 1.5#/CY.
11. PROVIDE ½" EXP. JOINT FILLER BY REFLEX RUBBER (COLOR CONCRETE GRAY) PER ASTM D1751 & ASTM D1752 AT ALL BLDG. FOUNDATIONS, DRAINAGE STRUCTURES, AREA TRANSITIONS, AND WHERE NOTED ON DRAWINGS.



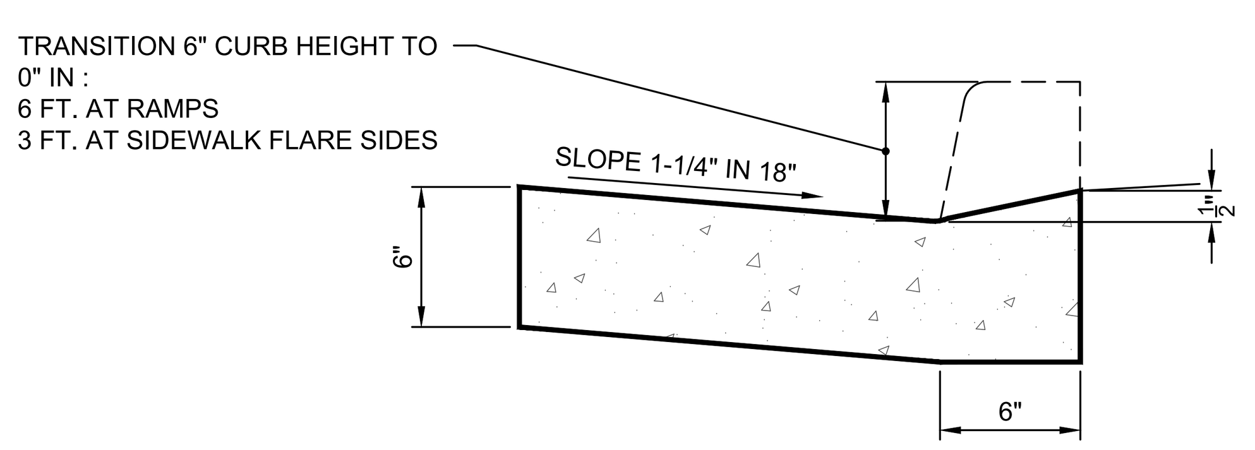


TURNED-DOWN EDGE DETAIL (NOTE 1)

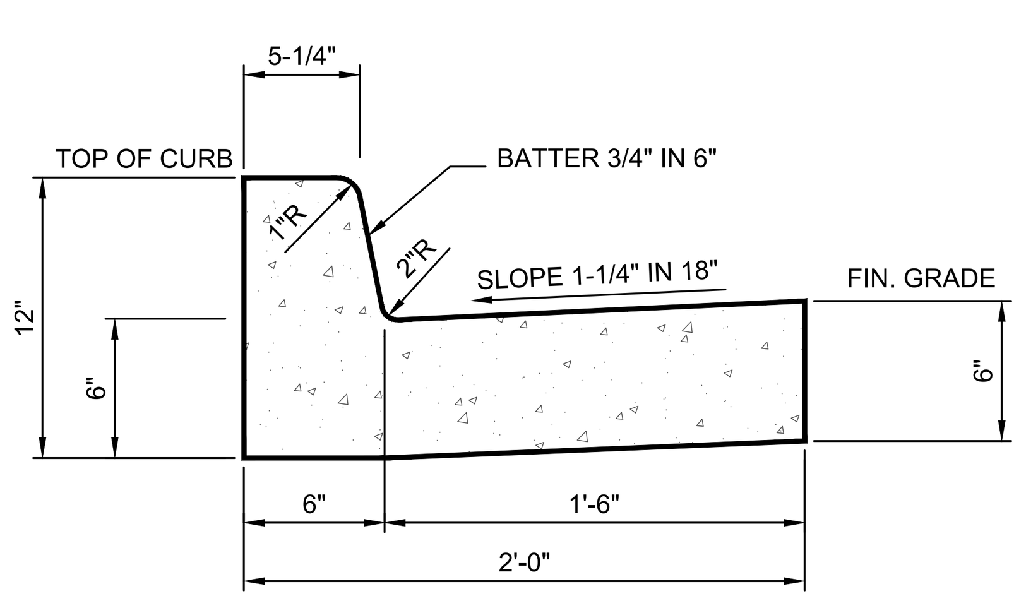
STANDARD JOINT LAYOUT FOR CONCRETE SIDEWALK

NO SCALE

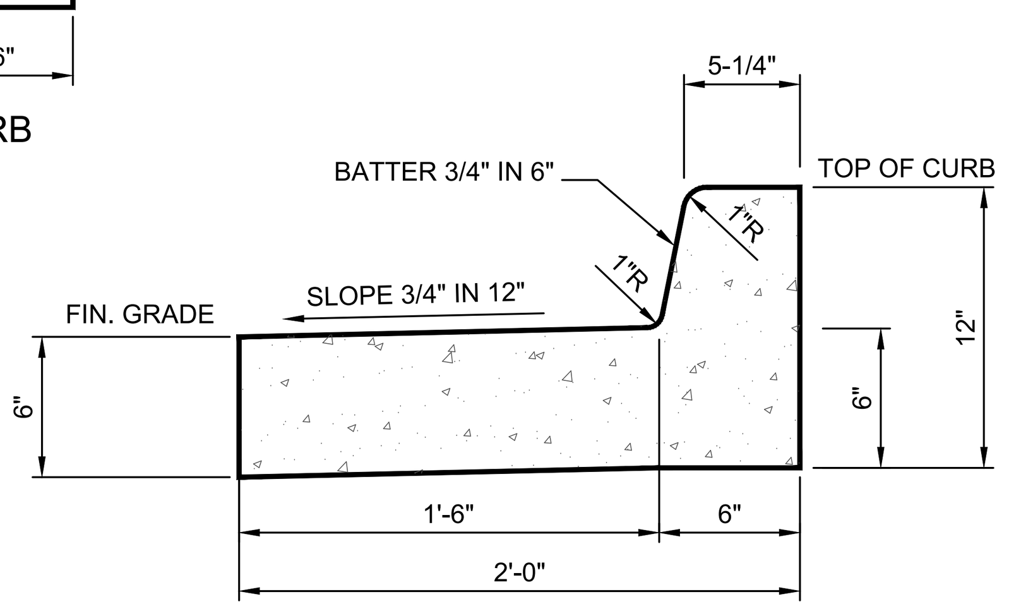
5 / C-601



DEPRESSED CURB



NORMAL GUTTER (HOLD TYPE)



PITCHED GUTTER (SPILL TYPE)

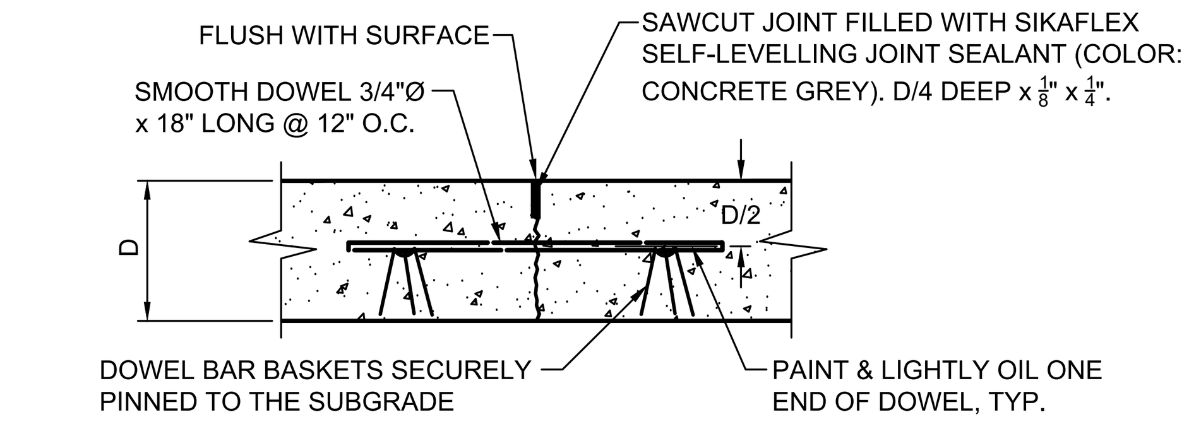
NOTES:

1. CURB AND GUTTER TO BE CONSTRUCTED IN 10 FOOT LENGTHS, CONCRETE SHALL BE 3,000 PSI.
2. 1/2" INCH EXPANSION JOINTS SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 50 FT, AT THE ENDS AND MID-POINT OF RETURNS, AND AT ANY POINT WHERE THE NEW CURB AND GUTTER ABUTS OTHER CONCRETE STRUCTURES.
3. 5 FOOT LONG TRANSITIONS SHALL BE PROVIDED BETWEEN NORMAL GUTTER AND PITCHED GUTTER, UNLESS OTHERWISE NOTED.

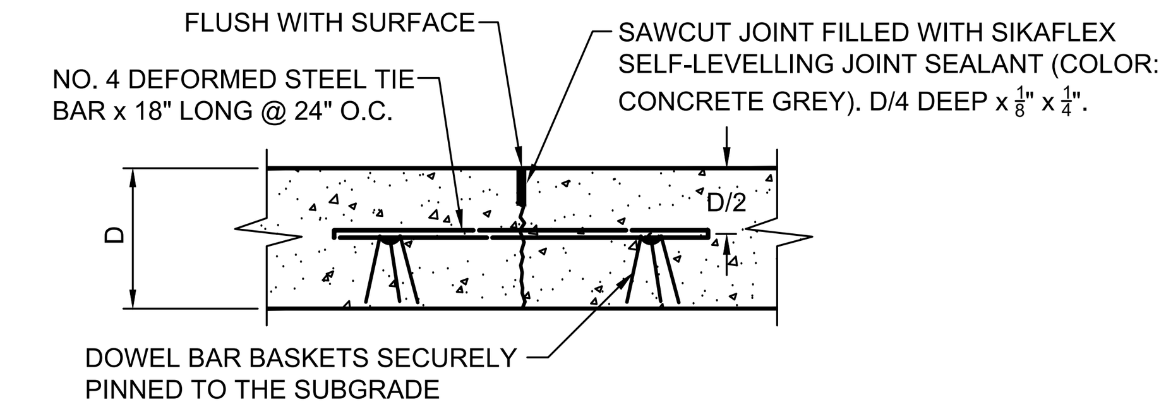
CONCRETE CURB & GUTTER DETAIL

NO SCALE

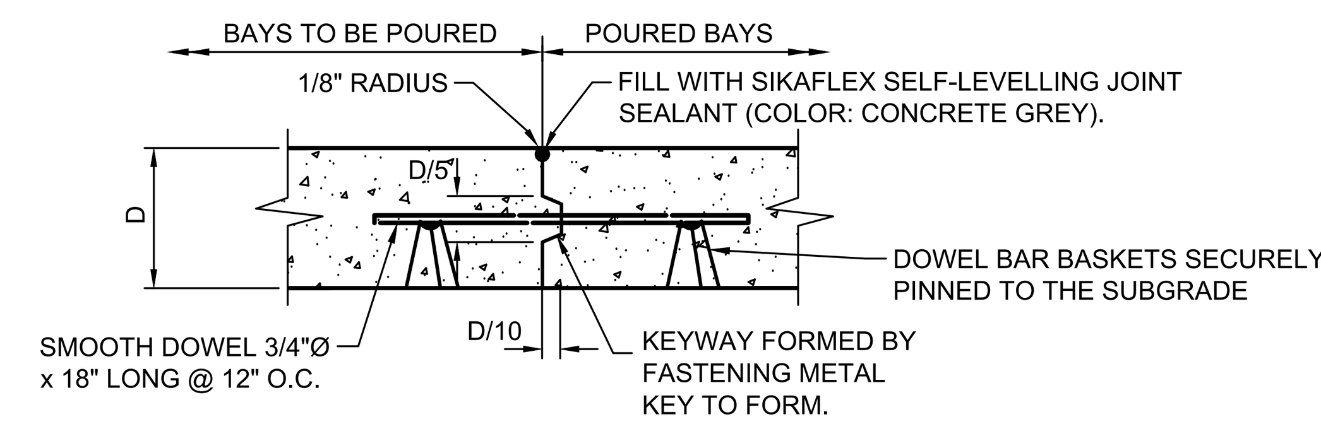
9 / C-601



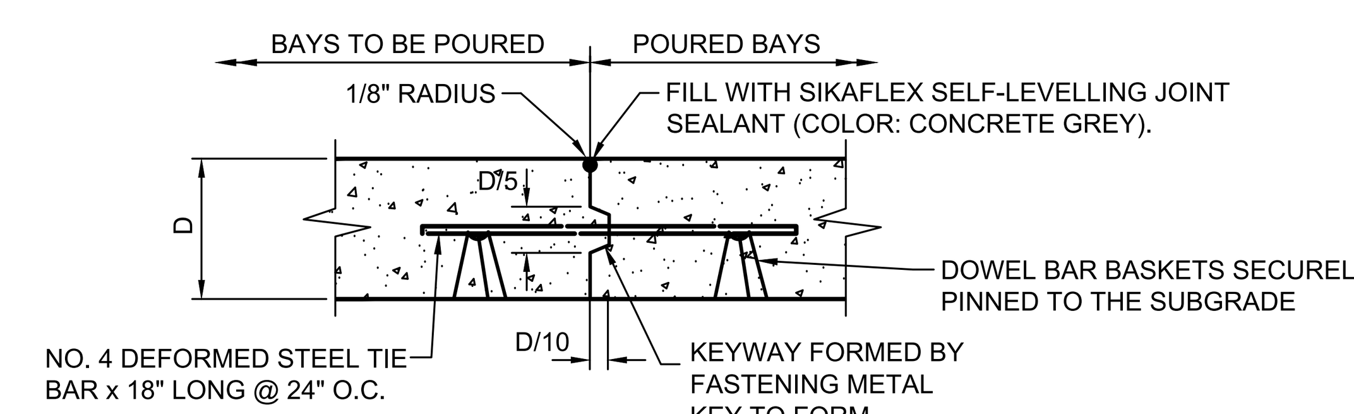
CONTRACTION (CONTROL) JOINT - TRANSVERSE (CJT)



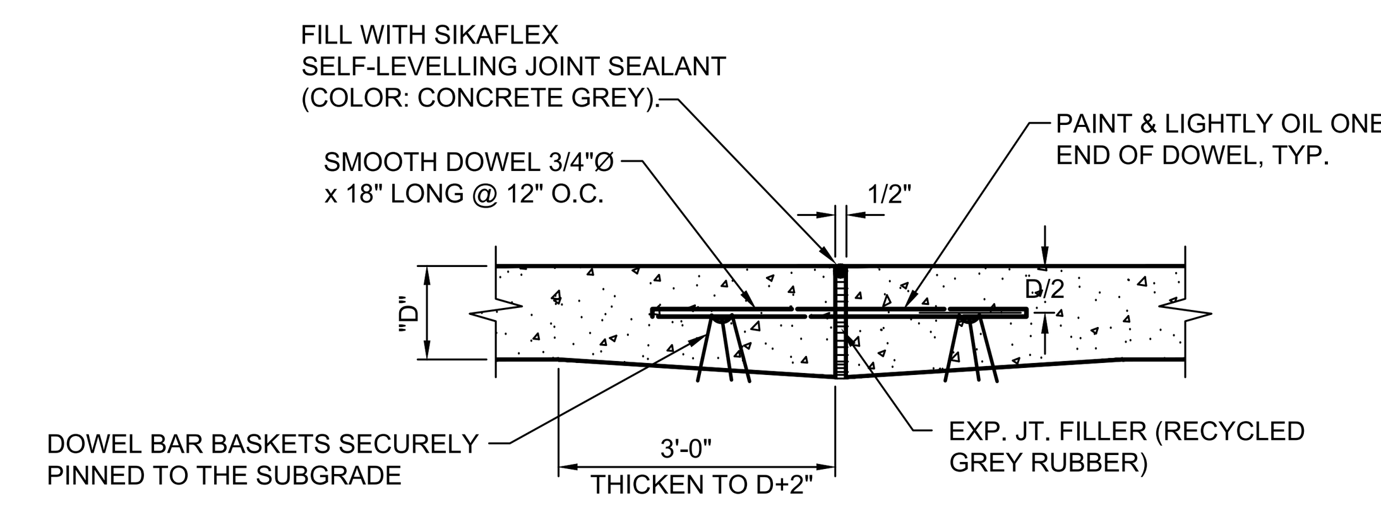
CONTRACTION (CONTROL) JOINT - LONGITUDINAL (CJL)



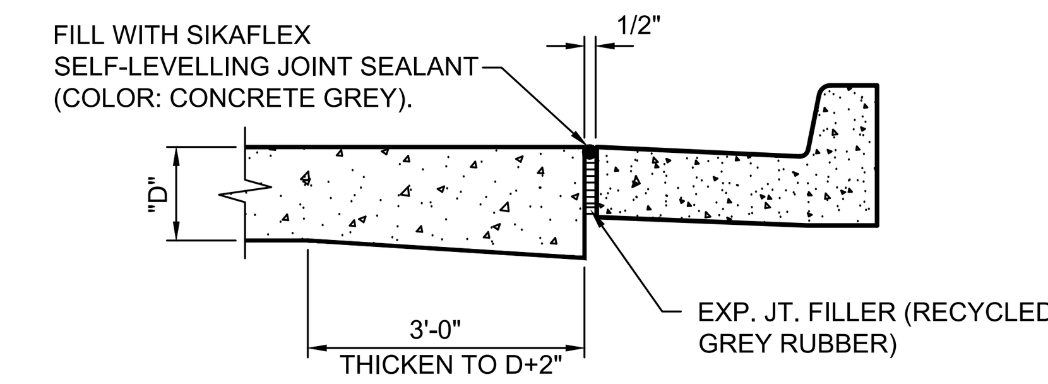
CONSTRUCTION JOINT - TRANSVERSE (KEYWAY TYPE)



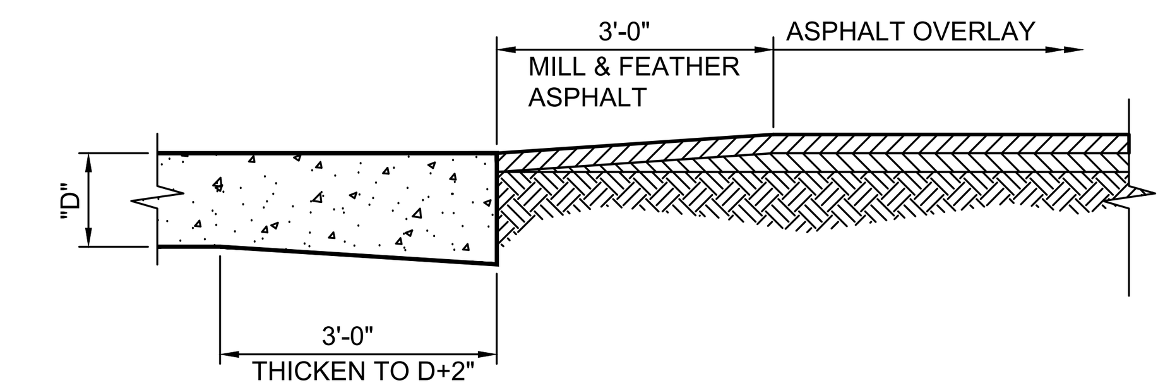
CONSTRUCTION JOINT - LONGITUDINAL (KEYWAY TYPE)



TYPE A - EXPANSION JOINT



TYPE B - EXPANSION JOINT @ CURB OR OTHER EXISTING OR PROPOSED CONCRETE (OR FIBERGLASS) UTILITY STRUCTURE

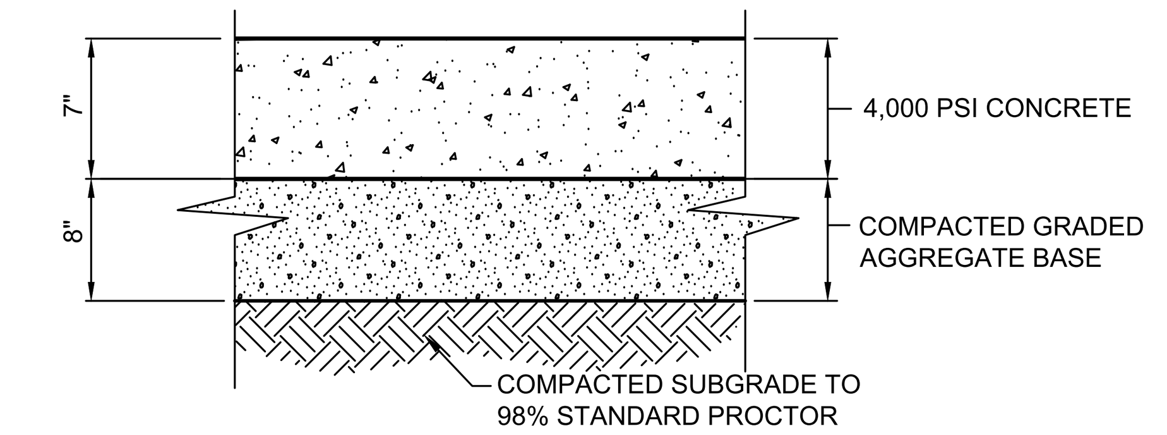


TYPE C - EXPANSION JOINT @ ABUTMENT OF CONCRETE & ASPHALT PAVEMENT

LEGEND

- CONSTRUCTION JOINTS (LONGITUDINAL) (COJL)
- CONSTRUCTION JOINTS (TRANSVERSE) (COJT)
- CONTRACTION JOINTS (LONGITUDINAL) (CJL)
- CONTRACTION JOINTS (TRANSVERSE) (CJT)
- EXPANSION JOINTS (EJTA, EJTB, EJTC)

* NOTE: SEE JOINTING PLAN ON C101 FOR LOCATIONS.



CONCRETE PAVING SECTION

CONCRETE PAVING NOTES:

1. PROVIDE 1/2" EXP. JOINT FILLER TO BE GREY RECYCLED RUBBER PER ASTM D175 & ASTM D1752 AT ALL BLDG. FOUNDATIONS, DRAINAGE STRUCTURES, AREA TRANSITIONS. AND WHERE NOTED IN DRAWINGS.
2. THICKENED SLAB EDGE 2" IN 36" AT EDGE OF PAVING.
3. SEE PLAN FOR JOINTING LAYOUT. IF NOT SHOWN, MAXIMUM JOINT SPACING(FEET) SHALL BE 2-1/2 x PAVEMENT THICKNESS (INCHES) CONTRACTOR SHALL ADJUST JOINT LOCATIONS TO LINE UP WITH CORNERS OF STRUCTURES. IF NOT SHOWN, A JOINTING PLAN SHALL BE PREPARED BY THE CONTRACTOR IN ACCORDANCE WITH CONSTRUCTION PRACTICES SET FORTH BY THE PORTLAND CEMENT ASSOCIATION AND APPROVED BY THE ENGINEER BEFORE PAVING BEGINS.
4. ALL CONC. SHALL BE 4,000 PSI.
5. CONCRETE PAVEMENT SHALL HAVE POLYPROPYLENE FIBER REINFORCING AT A RATE OF 1.5#/CY.
6. SAWCUT JOINTS SHALL BE PERFORMED W/ A SOFTCUT SAWBLADE IMMEDIATELY AFTER 1ST TROWEL. IN AREAS WHERE OBSTRUCTIONS PREVENT SAWCUTTING, A TOOLED JOINT SHALL BE UTILIZED & TIED INTO THE SAWCUT JOINT.
7. WHERE PAVEMENT PLACEMENT WILL BE INTERRUPTED BY 30 MINUTES OR MORE, A CONSTRUCTION JOINT SHALL BE USED.
8. CONTRACTOR SHALL INSURE THAT DOWELS & TIE BARS ARE FIXED SUCH THAT THEY ARE PARALLEL TO THE SURFACE OF THE CONCRETE & PERPENDICULAR TO THE JOINT DURING & AFTER PLACEMENT OF CONCRETE.

POLYPROPYLENE FIBER REINFORCED CONCRETE PAVEMENT DETAILS

NO SCALE

11 / C-601

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 036340 WILLIAM TARRANT BUCHANAN

GEORGIA CERTIFICATE OF AUTHORIZATION — JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024

SHEET TITLE :

SITE DETAILS SHT. 1 OF 5

SCALE: AS SHOWN

DRAWING NO. C-601 REV. A

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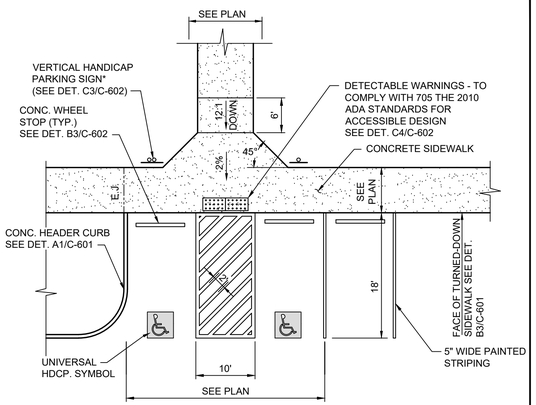
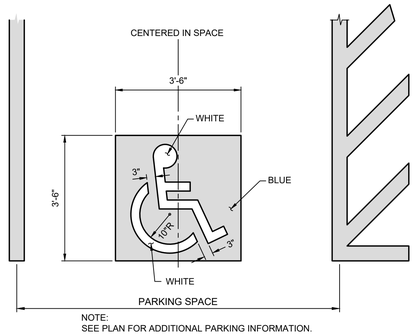


* NOTE: FOR EVERY SIX OR FRACTION OF SIX PARKING SPACES REQUIRED, AT LEAST ONE SHALL BE A VAN PARKING SPACE AS REQUIRED BY 208.2.4 OF THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

1 C-602

HANDICAP PARKING DETAIL

NO SCALE

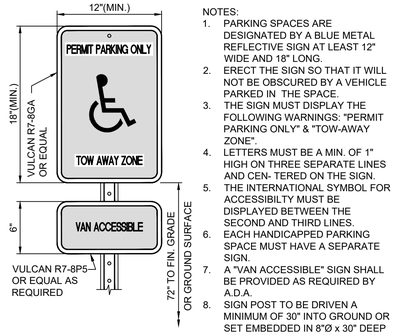


NOTE:
SEE PLAN FOR ADDITIONAL PARKING INFORMATION.

2 C-602

HDCP. PARKING SPACE EMBLEM

NO SCALE

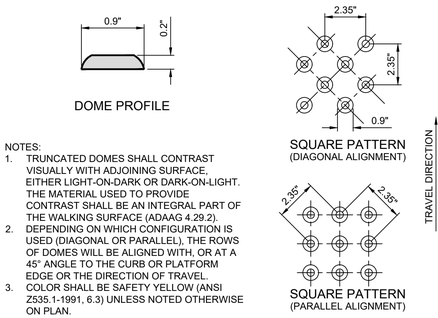


NOTES:
1. PARKING SPACES ARE DESIGNATED BY A BLUE METAL REFLECTIVE SIGN AT LEAST 12" WIDE AND 18" LONG.
2. ERECT THE SIGN SO THAT IT WILL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.
3. THE SIGN MUST DISPLAY THE FOLLOWING WARNINGS: "PERMIT PARKING ONLY" & "TOW-AWAY ZONE".
4. LETTERS MUST BE A MIN. OF 1" HIGH ON THREE SEPARATE LINES AND CEN- TERED ON THE SIGN.
5. THE INTERNATIONAL SYMBOL FOR ACCESSIBILTY MUST BE DISPLAYED BETWEEN THE SECOND AND THIRD LINES.
6. EACH HANDICAPPED PARKING SPACE MUST HAVE A SEPARATE SIGN.
7. A "VAN ACCESSIBLE" SIGN SHALL BE PROVIDED AS REQUIRED BY A.D.A.
8. SIGN POST TO BE DRIVEN A MINIMUM OF 30" INTO GROUND OR SET EMBEDDED IN 8"Ø x 30" DEEP CONCRETE.

3 C-602

HANDICAP PARKING SIGN

NO SCALE

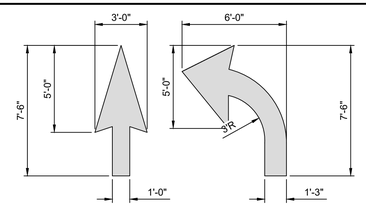


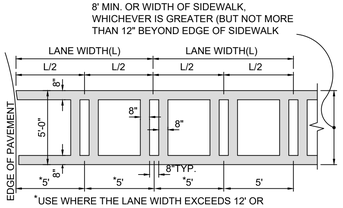
NOTES:
1. TRUNCATED DOMES SHALL CONTRAST VISUALLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE (ADAAG 4.29.2).
2. DEPENDING ON WHICH CONFIGURATION IS USED (DIAGONAL OR PARALLEL), THE ROWS OF DOMES WILL BE ALIGNED WITH, OR AT A 45° ANGLE TO THE CURB OR PLATFORM EDGE OR THE DIRECTION OF TRAVEL.
3. COLOR SHALL BE SAFETY YELLOW (ANSI Z535.1-1991, 6.3) UNLESS NOTED OTHERWISE ON PLAN.

4 C-602

GEOMETRY OF DETECTABLE WARNINGS

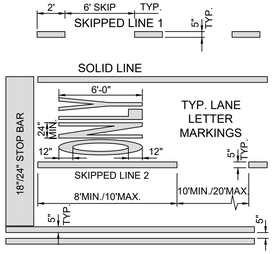
NO SCALE





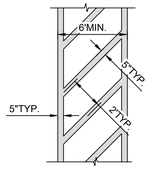
*USE WHERE THE LANE WIDTH EXCEEDS 12' OR WHERE LANE LINES HAVE BEEN OMITTED.

DRIVEWAY CROSSWALK WITHIN RIGHTS-OF-WAY

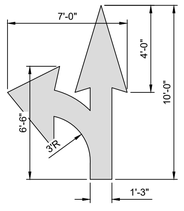


DBL. SOLID YELLOW CENTERLINE

NOTE:
1. YELLOW PAINT MAY BE USED ON CONC. OR OTHER SURFACES WHERE WHITE PAINT DOES NOT PROVIDE SUFFICIENT CONTRAST.



CROSSWALK AT PARKING AREAS (SEE PLAN)

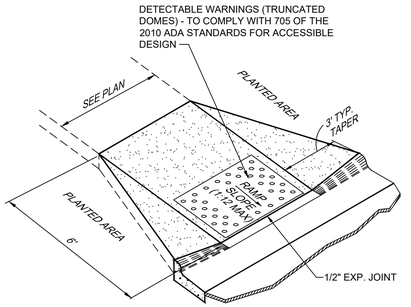


TURN & THRU LANE-USE TYPE 3

5 C-602

MISCELLANEOUS PAVEMENT MARKINGS

NO SCALE

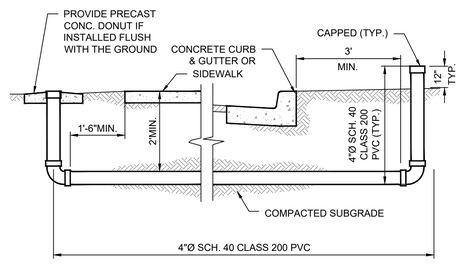


NOTES:
1. SEE DET. C4/C-602 DETECTABLE WARNINGS (TRUNCATED DOMES) - TO COMPLY WITH 705 OF THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
2. SEE DET. C3/C-601 FOR ADDITIONAL CURB INFORMATION.

7 C-602

CURB TAPER DETAIL AT SIDEWALK RAMP

NO SCALE

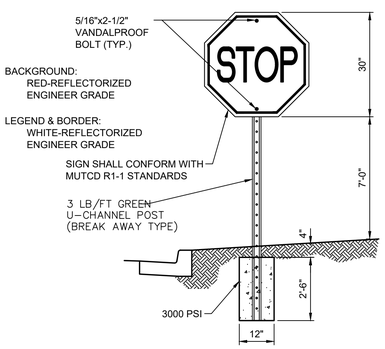


NOTES:
1. CONTRACTOR TO COORDINATE LOCATIONS OF OTHER UTILITIES PRIOR TO INSTALLING.
2. THESE ARE INTENDED FOR FUTURE UTILITY INSTALLATION ON SITE AND NOT WITHIN THE COUNTY OR CITY RIGHT-OF-WAY.

8 C-602

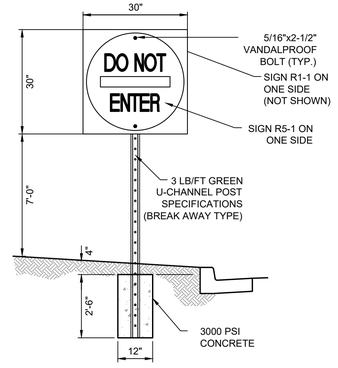
TYP. PIPE SLEEVING (CONDUIT ACCESS) DETAIL

NO SCALE



TYP. STOP SIGN

NO SCALE

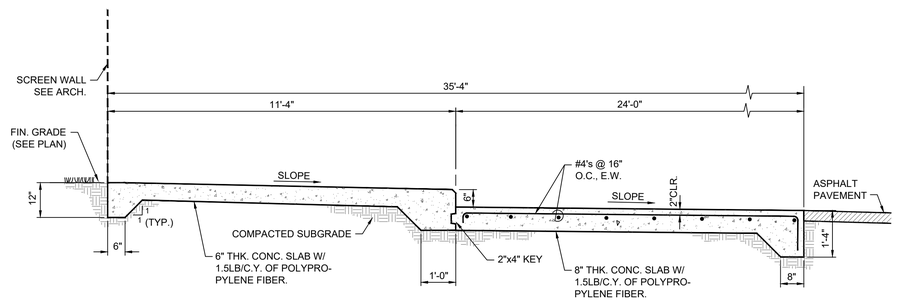


NOTES:
1. SIGN MUST BE MUTCD COMPLIANT AND MEET MINIMUM REFLECTIVITY STANDARDS

10 C-602

TYPICAL DOUBLE SIGN INSTALLATION

NO SCALE



SECTION THRU DUMPSTER PAD

NO SCALE

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED No. 036340 PROFESSIONAL ENGINEER WILLIAM TARRANT BUCHANAN

GEORGIA CERTIFICATE OF AUTHORIZATION JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024

SHEET TITLE :
SITE DETAILS SHT. 2 OF 5

SCALE: AS SHOWN

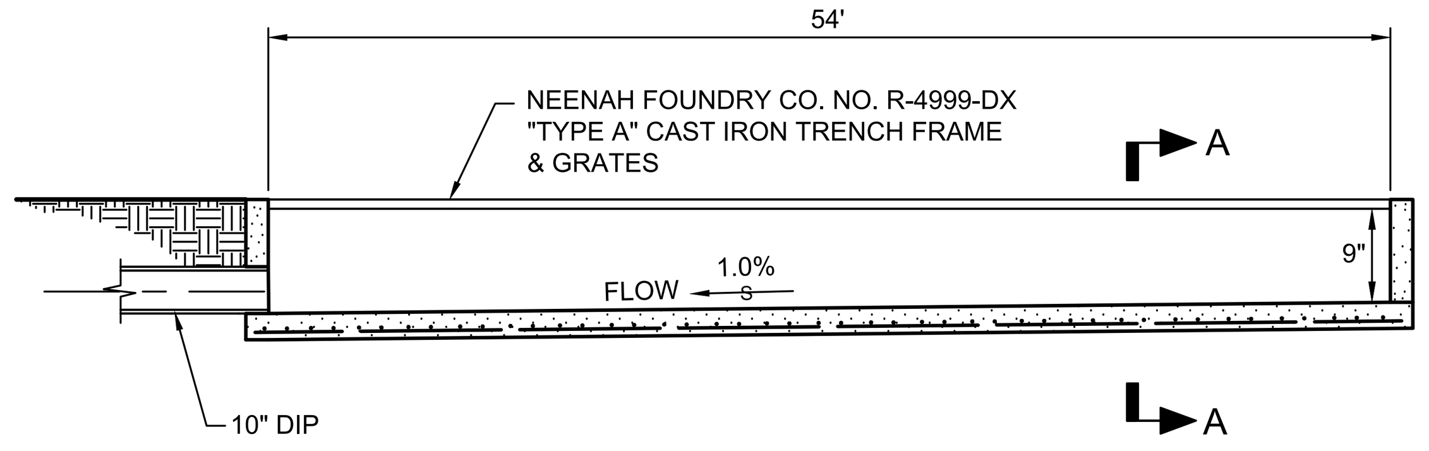
DRAWING NO. **C-602** REV. **A**

K:\3042\2403\cad\C-602 TO C-607.dwg Plotted:4/29/2025 4:10 PM By:William T. Buchanan, P.E.

BORDER_A ANSI-XREF.DWG REV 4/4/2024 CRE

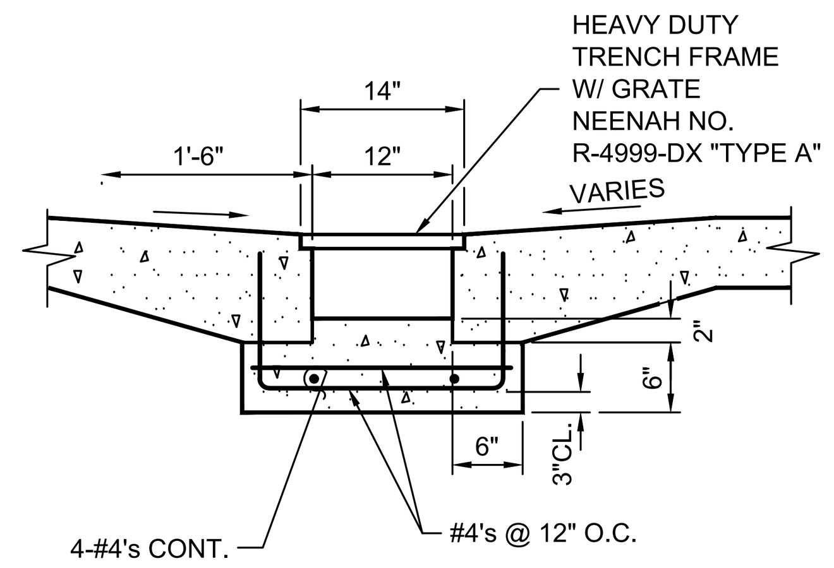
ISSUED FOR BID / PERMIT

TRENCH DRAIN DETAIL



SECTION THRU TRENCH DRAIN AT DRIVEWAY

NOTES:
1. ALL CONCRETE IN TRENCH SHALL BE 3,000PSI W/ NO. 4 REBARS @ 12" O.C.,B.W.
2. TRENCH FRAMES & GRATES SHALL BE CAT. NO. R-4999-DX "TYPE A" AS MANUFACTURED BY NEENAH FOUNDRY COMPANY OR EQUAL (MUST BE APPROVED BY THE ENGINEER).



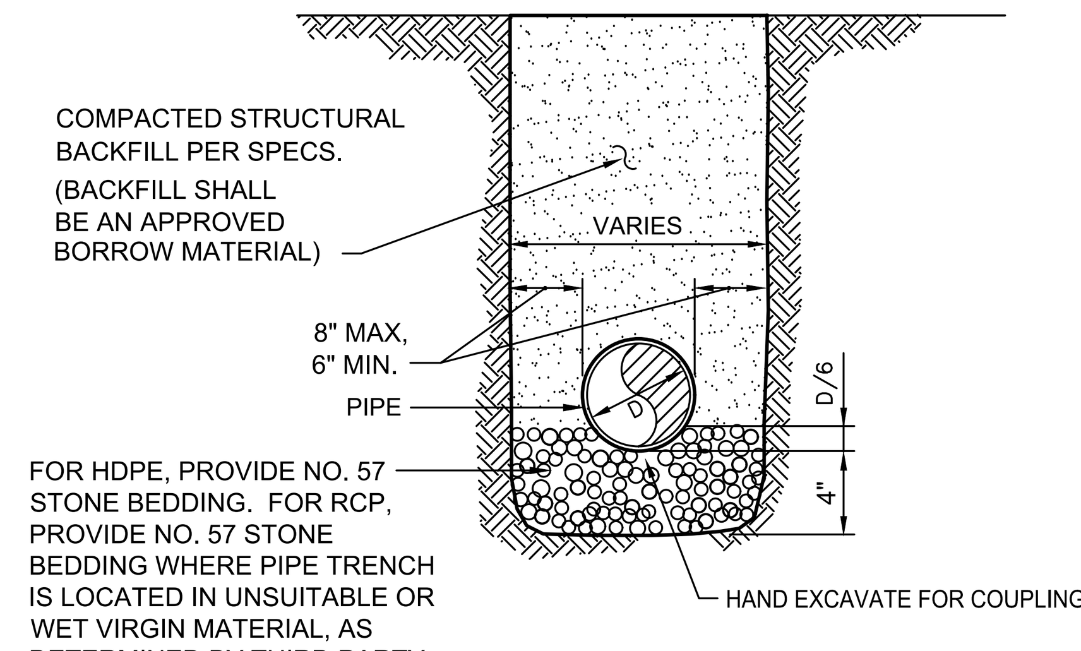
SECTION "A-A"

TRENCH DRAIN DETAIL
NO SCALE

1 / C-603

TYPICAL TRENCH SECTION FOR GRAVITY STORM SEWER INSTALLATION

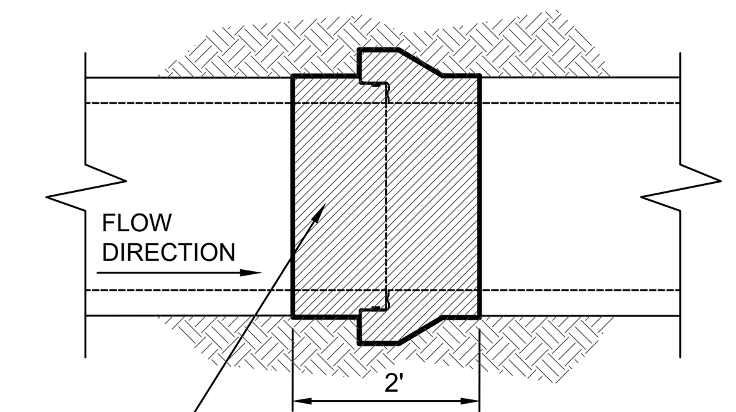
NOTE:
1. PROVIDE GREEN WARNING TAPE OVER STORM PIPES.
2. THERMOPLASTIC PIPE SHALL BE INSTALLED PER THIS DETAIL & PER ASTM D-2321 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS & OTHER GRAVITY FLOW APPLICATIONS."
3. REINFORCED CONCRETE PIPE (RCP) SHALL BE INSTALLED PER THIS DETAIL & PER ASTM C1479-01 "STANDARD PRACTICE FOR INSTALLATION OF PRECAST CONCRETE SEWER, STORM DRAIN, AND CULVERT PIPING USING STANDARD INSTALLATIONS."



TYPICAL TRENCH SECTION FOR GRAVITY STORM SEWER INSTALLATION
NO SCALE

3 / C-603

TYPICAL JOINT FOR RCP GRAVITY STORM SEWER INSTALLATION



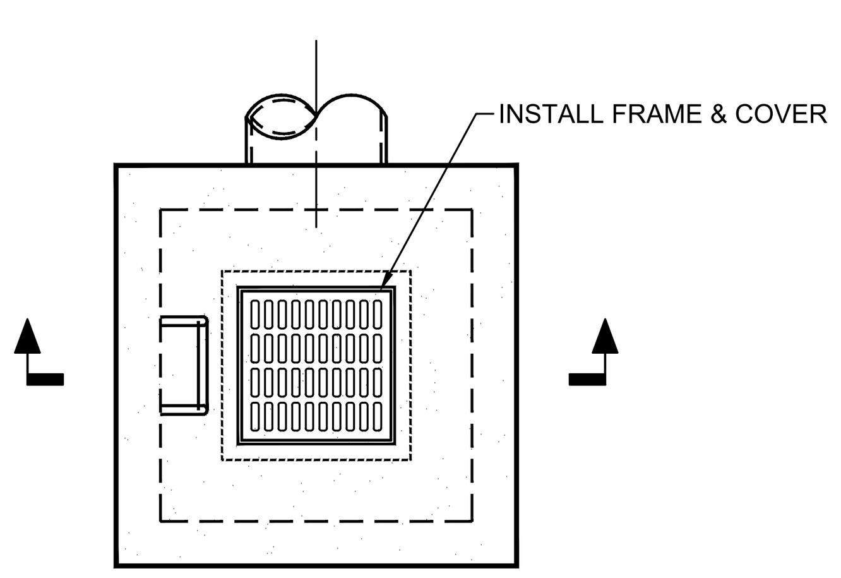
SECTION

WRAP ALL EXTERIOR PIPE JOINTS WITH GEOTEXTILE NON-WOVEN FILTER FABRIC. WRAP TIGHT TO PIPE BY LAPPING FABRIC OR UTILIZING ZIP TIES (BOTH SIDES OF JOINT) PRIOR TO BACKFILLING.

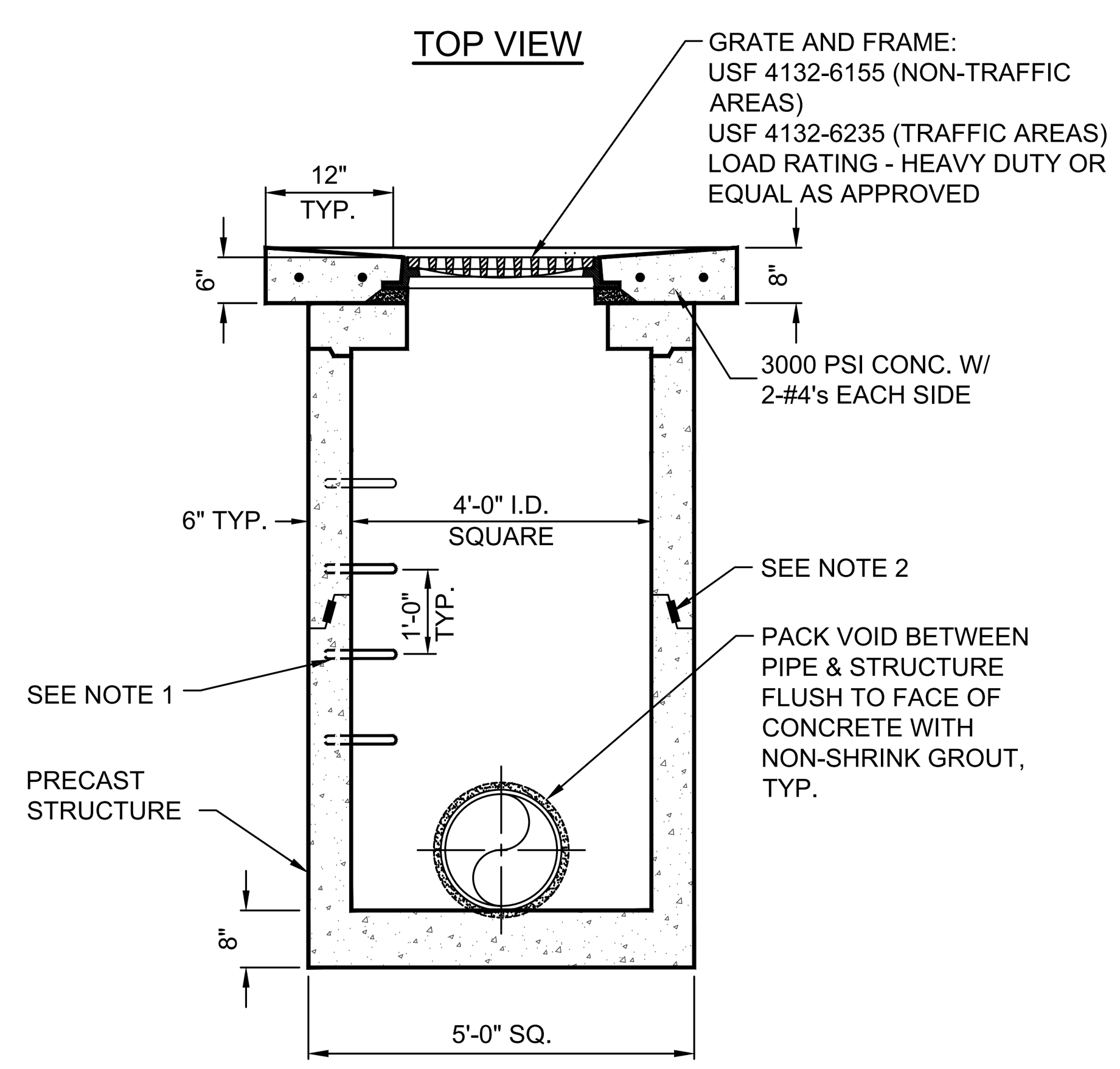
TYPICAL JOINT FOR RCP GRAVITY STORM SEWER INSTALLATION
NO SCALE

4 / C-603

GRATE INLET DETAIL



TOP VIEW



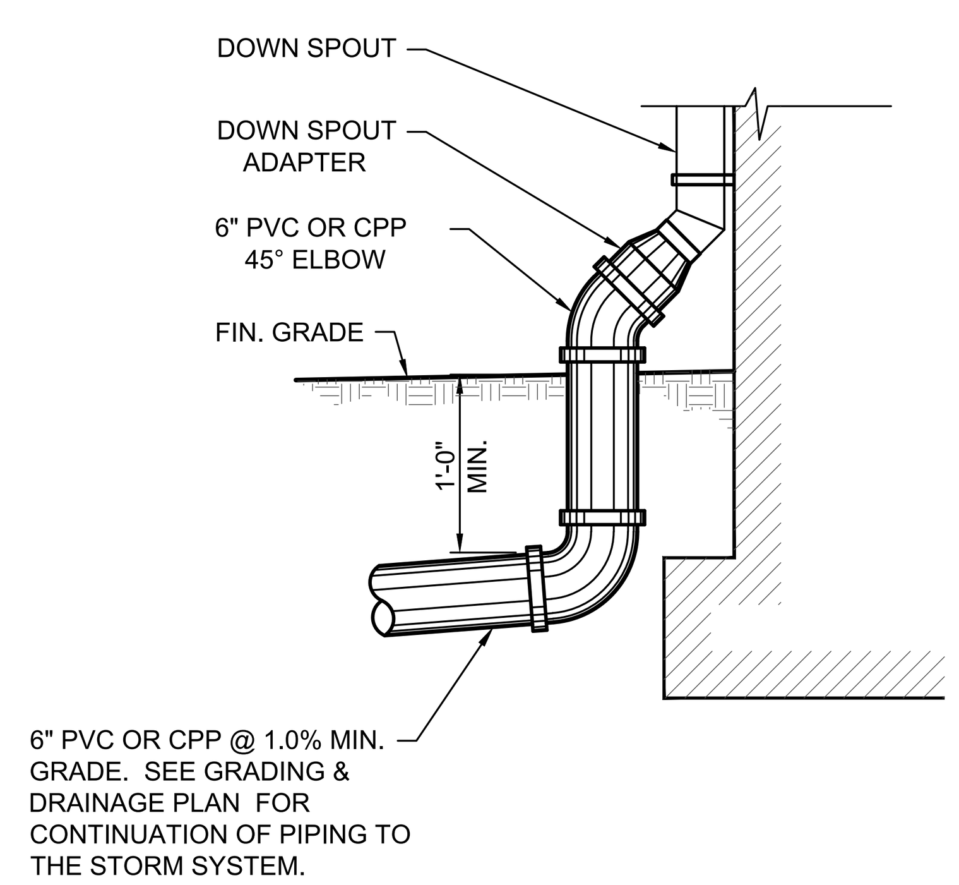
SECTION

NOTES:
1. STRUCTURES LESS THAN 5 FT. IN HEIGHT (MEASURED FROM THROAT ELEVATION TO STRUCTURE BOTTOM) DO NOT REQUIRE STEPS.
2. SEE SPECIFICATIONS FOR INFORMATION ON THE STEPS.
3. IF HEIGHT OF STRUCTURE REQUIRES THAT IT BE CAST IN PIECES, SEAL JOINTS W/ CUT-OFF RAMNECK FLUSH W/ INSIDE OF WALLS & GROUT SECTIONS OF MANHOLE INSIDE & OUTSIDE & WIPE SMOOTH, TYP.
4. FOR STRUCTURES WITH 36"Ø & SMALLER PIPES, THE INSIDE DIMENSION SHALL BE 4'-0" MIN., U.N.O. FOR STRUCTURES WITH LARGER THAN 36"Ø, THE INSIDE DIMENSION SHALL BE OUTSIDE DIAMETER OF PIPE PLUS 6" CLEARANCE EACH SIDE & ROUNDED UP TO THE NEAREST FOOT, U.N.O.
5. STRUCTURES WITH HDPE PIPE SHALL BE ROUND AND SHALL HAVE A FLEXIBLE BOOT WITH STAINLESS STEEL CLAMP FOR THE PIPE-STRUCTURE JOINT CONNECTION.
6. STRUCTURES SHALL HAVE A 12" SUMP.
7. CONCRETE APRON NOT REQUIRED FOR STRUCTURES LOCATED IN LANDSCAPED (NON-TRAFFIC) AREAS.
8. STRUCTURES WITH RCP PIPE SHALL BE CAST W/ BLOCKOUTS. KNOCK-OUT PANELS ARE NOT ACCEPTABLE.

GRATE INLET DETAIL
NO SCALE

9 / C-603

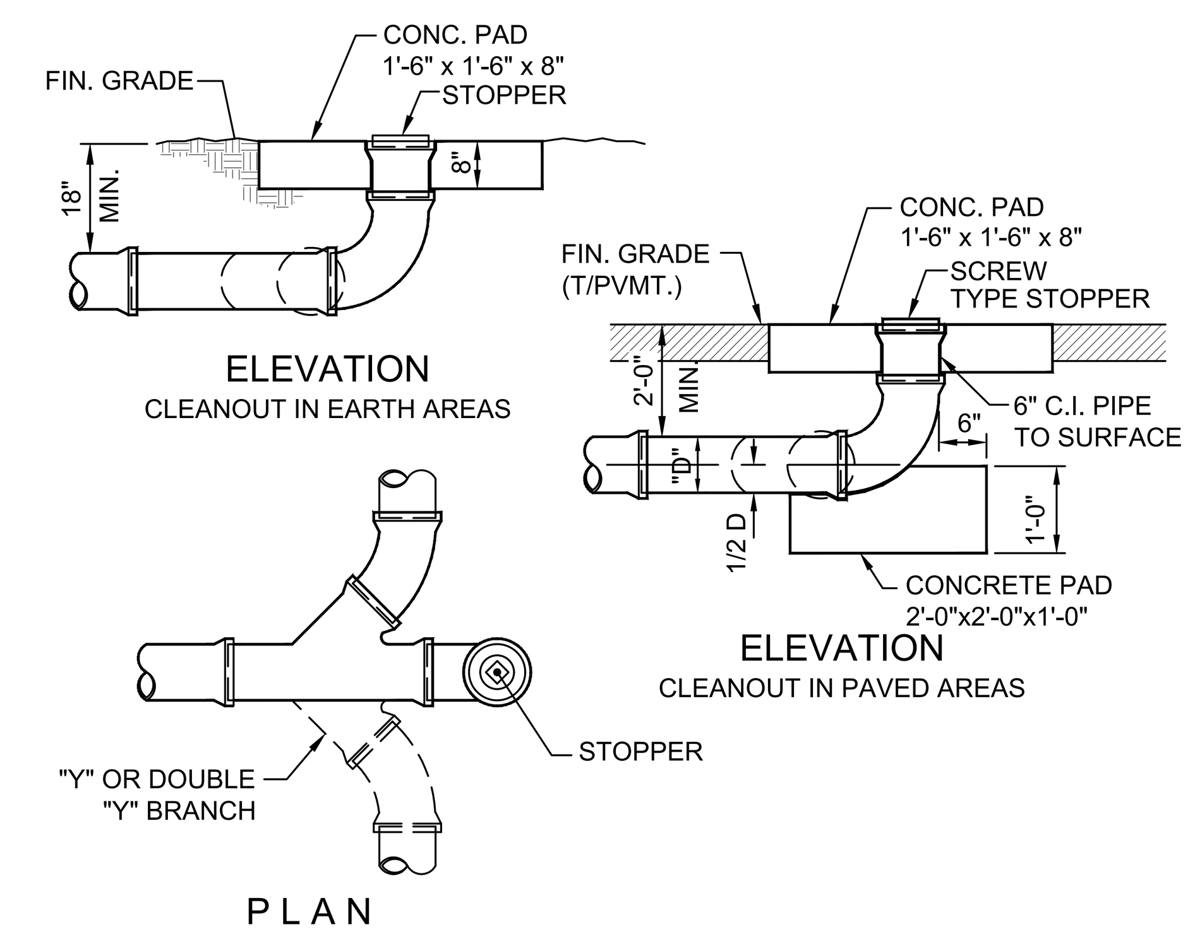
DOWNSPOUT DETAIL



DOWNSPOUT DETAIL
NO SCALE

6 / C-603

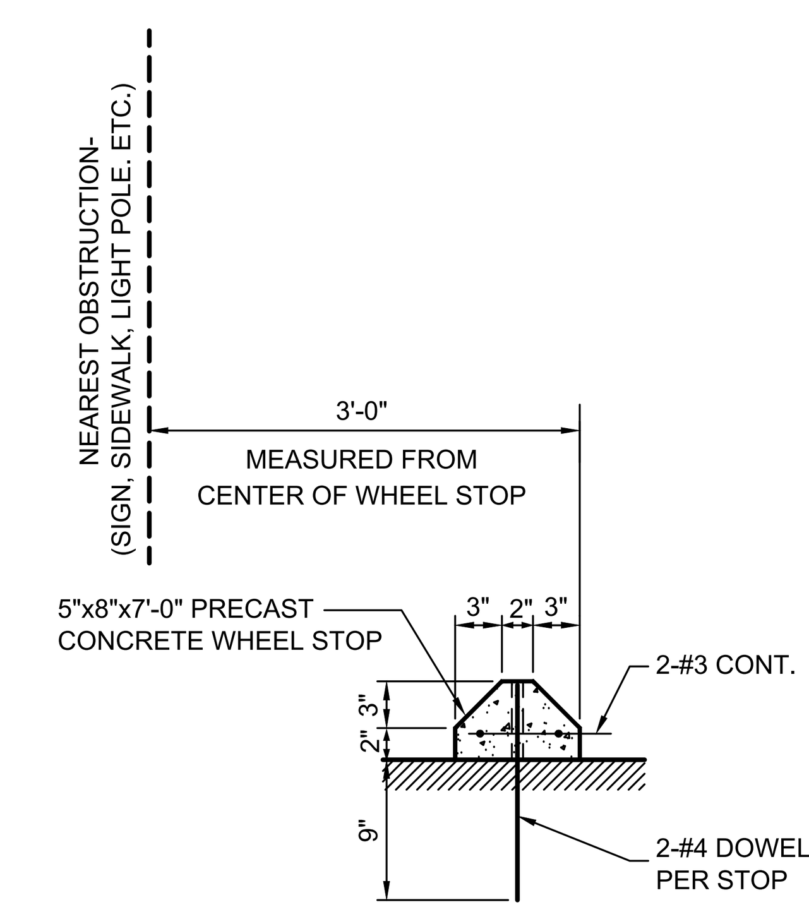
CLEANOUT DETAILS



CLEANOUT DETAILS
NO SCALE

7 / C-603

CONC. WHEEL STOP DETAIL

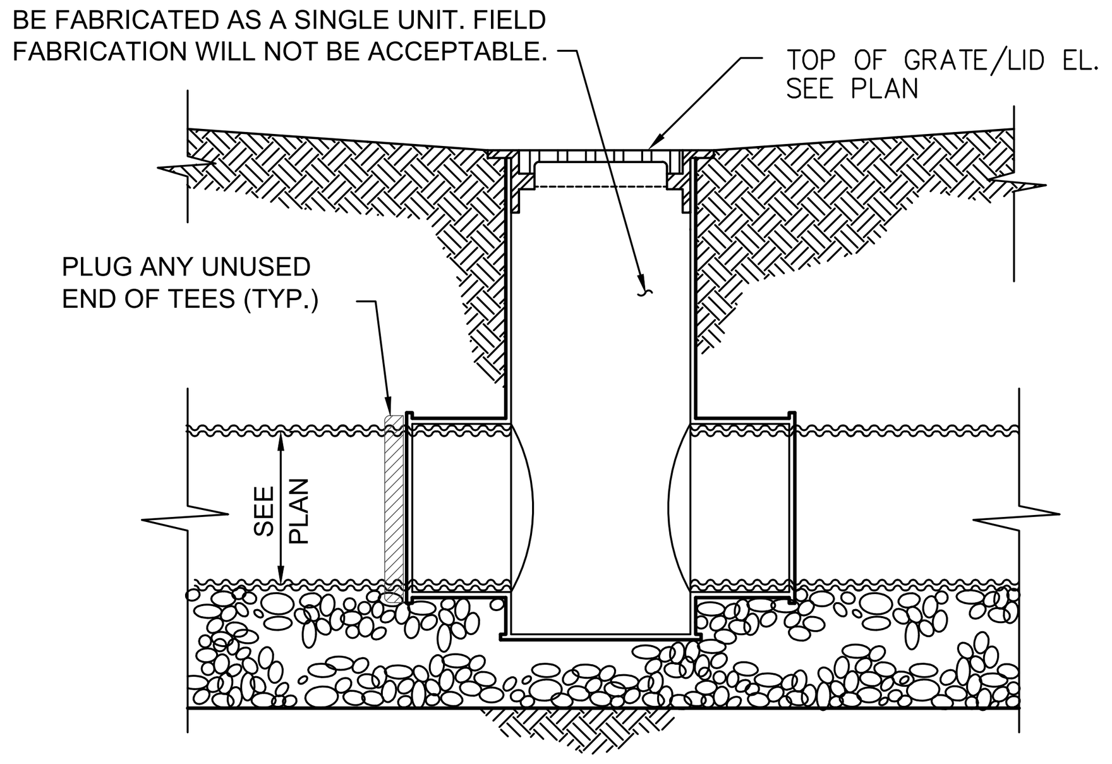


CONC. WHEEL STOP DETAIL
NO SCALE

8 / C-603

PVC JUNCTION BOX/GRATE DETAIL

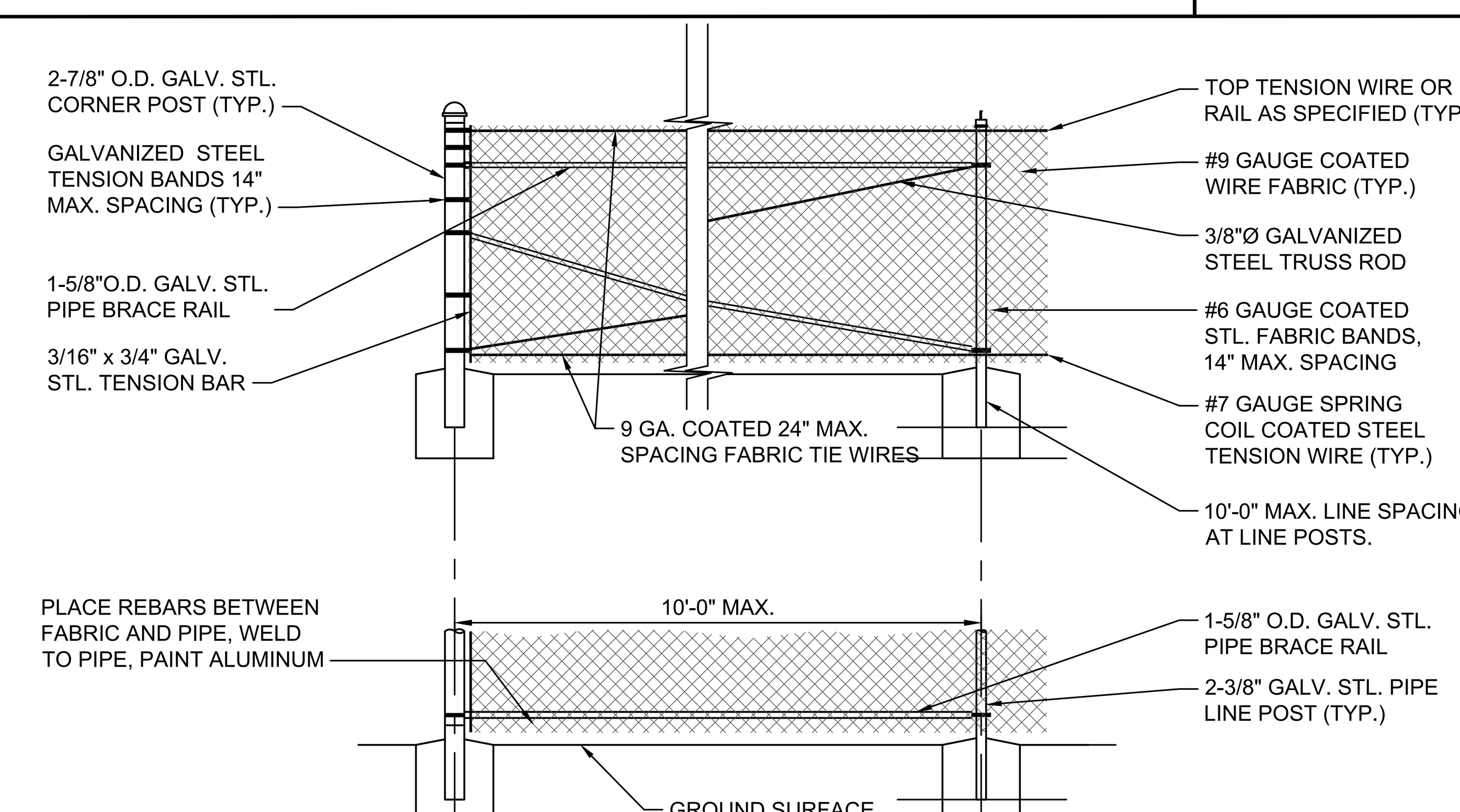
NYLOPLAST BY ADS OR APPROVED EQUAL PVC CATCH BASIN/JUNCTION BOX W/ CAST IRON, PEDESTRIAN RATED GRATE & LID. FITTINGS SHALL BE WATER TIGHT. SEE PLAN FOR INVERT ELEVATIONS & RISER DIAMETER. PROVIDE SOLID LID FOR JUNCTION BOX LOCATIONS. CATCH BASINS & TIE-INS SHALL BE FABRICATED AS A SINGLE UNIT. FIELD FABRICATION WILL NOT BE ACCEPTABLE.

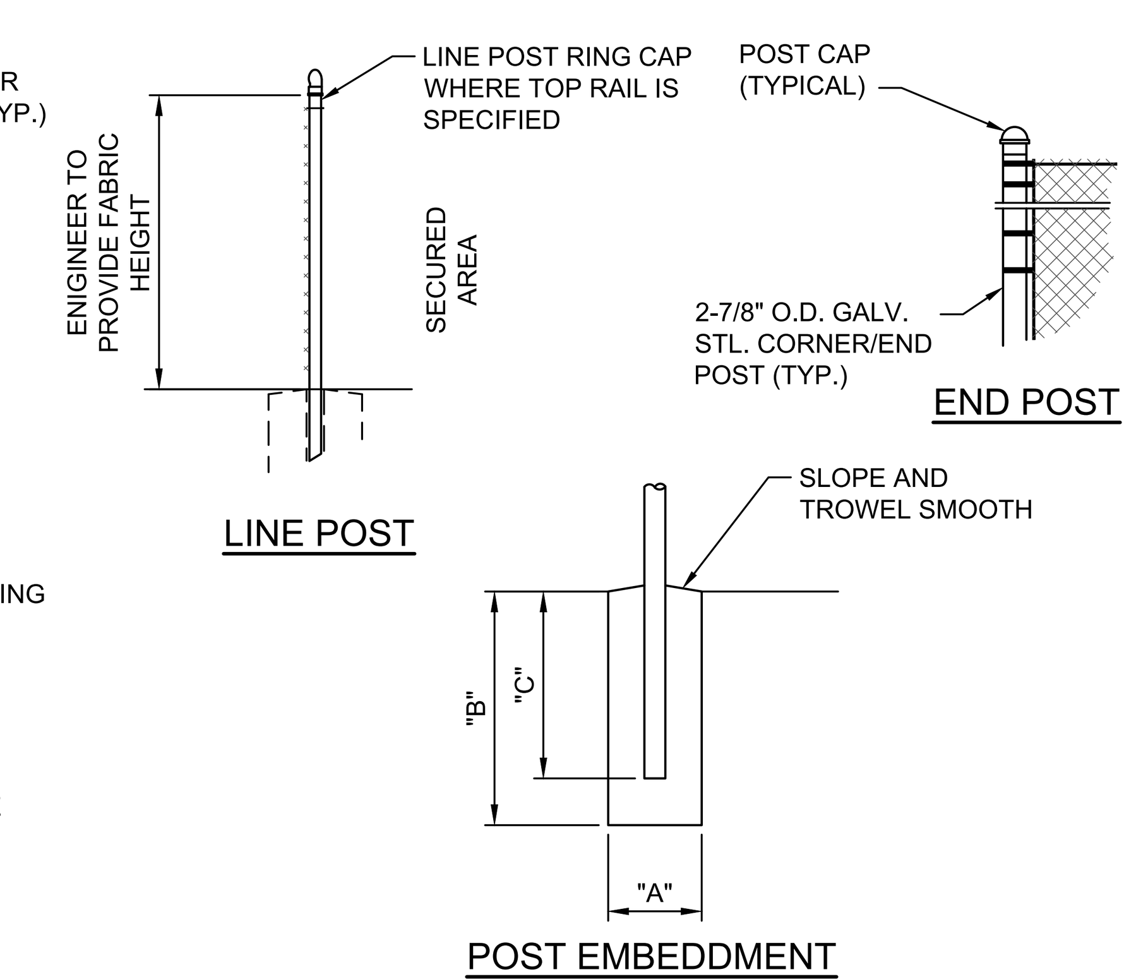


PVC JUNCTION BOX/GRATE DETAIL
NO SCALE

10 / C-603

CHAIN LINK FENCE & GATE DETAILS





NOTES:
1. 8" MAXIMUM CLEARANCE UNDER ALL GATES.
2. ALL GATE POSTS ARE TO BE PROTECTED WITH CONCRETE BOLLARDS ON EACH SIDE.
3. GATES SHOULD BE BRACED & FRAMED TO PREVENT SAG. METHOD OF FRAMING & BRACING SHOWN IS ILLUSTRATIVE ONLY.
4. SEE SPECIFICATIONS FOR COATING.

LINE & TERMINTAL POST

FABRIC HEIGHT	POST TYPE	"A" (DIA.)	"B" DEPTH	"C" POST EMBED.
4'	LINE	6"	26"	24"
	TERMINAL	10"	32"	30"

NOTE: TERMINAL POSTS INCLUDE END, CORNER AND PULL POSTS

CHAIN LINK FENCE & GATE DETAILS
NO SCALE

11 / C-603

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 036340 WILLIAM TARRANT BUCHANAN

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

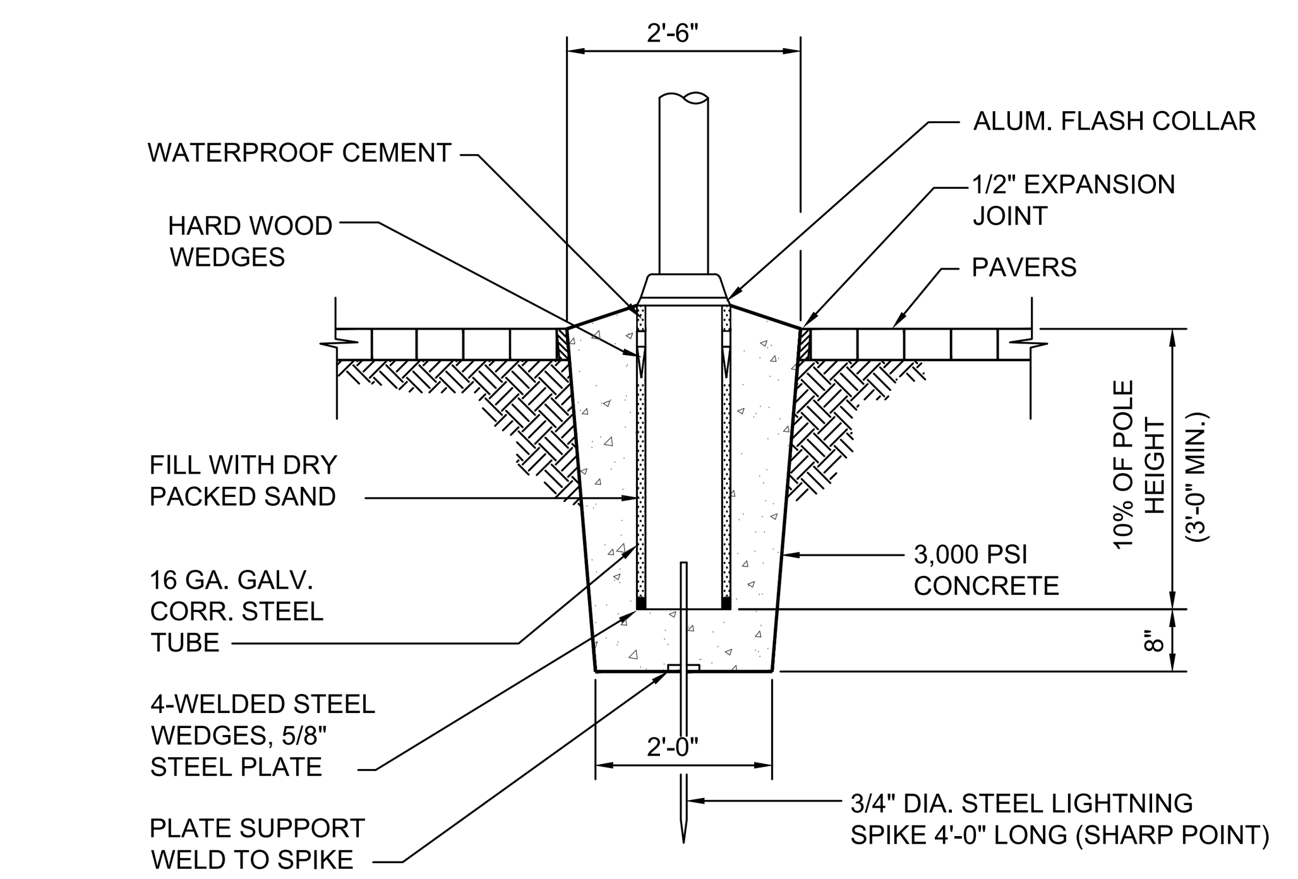
PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024

SHEET TITLE :
SITE DETAILS SHT. 3 OF 5

SCALE: AS SHOWN

DRAWING NO. **C-603** REV. **A**

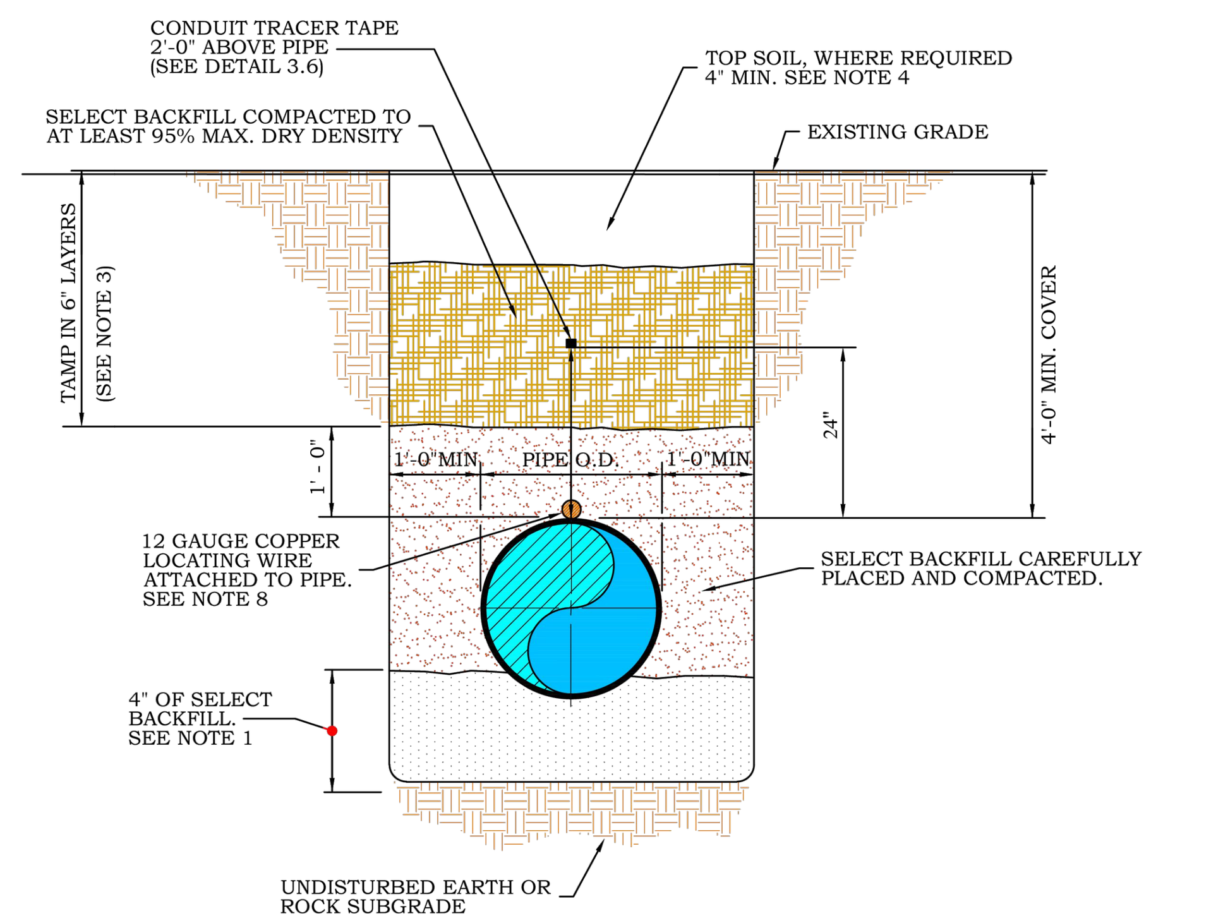
ISSUED FOR BID / PERMIT



1
C-604

FLAGPOLE DETAIL

NO SCALE NO SCALE



PROFILE VIEW

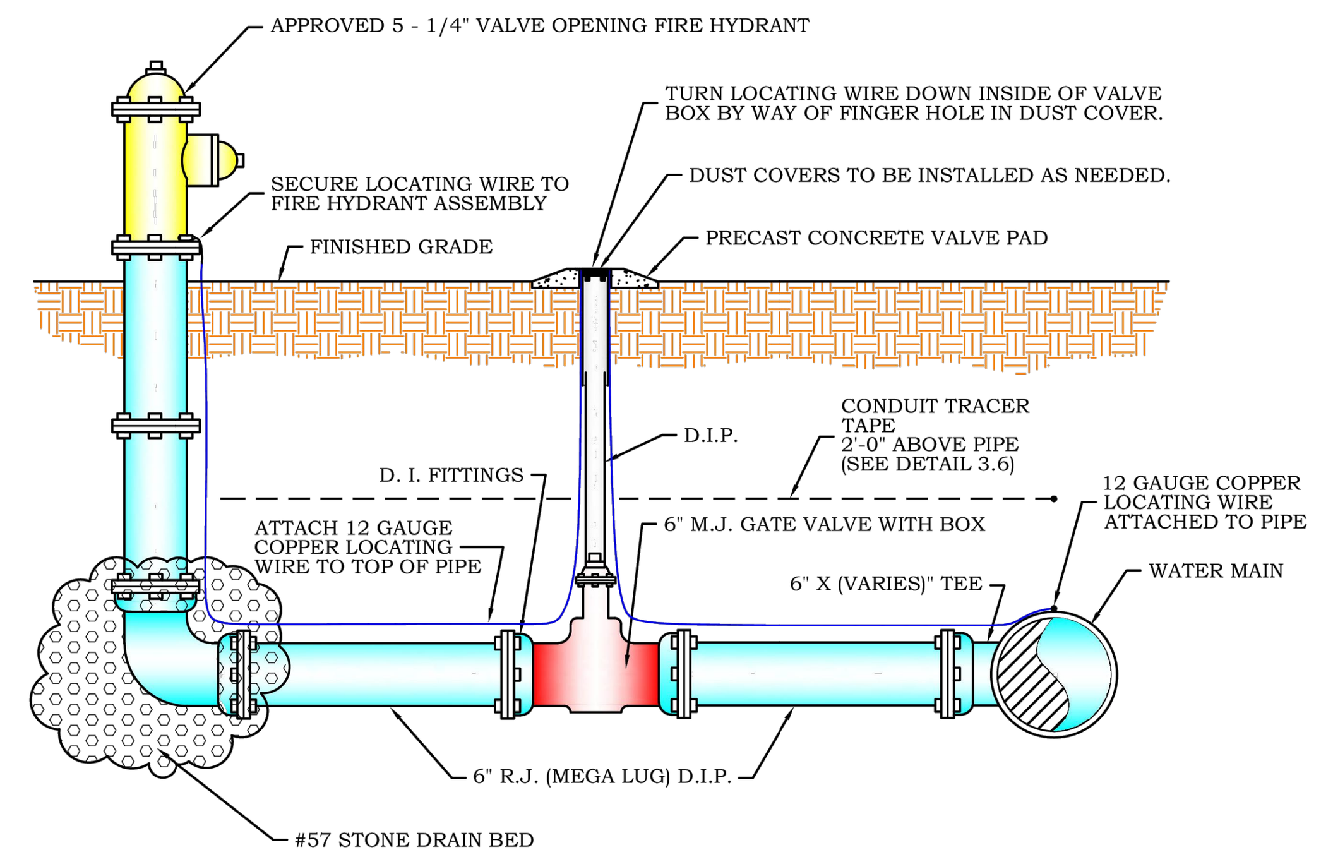
NOTES:
1. THE BOTTOM OF THE TRENCH SHALL BE ACCURATELY GRADED TO PROVIDE UNIFORM BEARING AND SUPPORT FOR EACH SECTION OF PIPE ON UNDISTURBED SOIL AT EVERY POINT ALONG ITS ENTIRE LENGTH UNLESS UNSUITABLE SUBSOIL IS ENCOUNTERED AT THE NORMAL TRENCH SUBGRADE. IF SUCH MATERIAL IS ENCOUNTERED, THE CONTRACTOR SHALL REMOVE IT TO THE DEPTH DIRECTED BY THE ENGINEER OF RECORD IN THE FIELD AND BACKFILL WITH D.O.T. CLASS I, TYPE I AND II MATERIAL IN 4 INCH LAYERS.
2. BOTTOM OF TRENCH SHALL BE FREE OF WATER PRIOR TO PLACING SELECT BACKFILL.
3. COMPACT SELECT BACKFILL IN LIFTS NOT TO EXCEED 6 INCHES.
4. PROVIDE 4 INCHES OF TOP SOIL WHERE BEDDING IS REQUIRED. SEE NOTE 5 AT GRAVEL AND PAVED AREAS.
5. GRAVEL AND PAVED DRIVEWAYS TO BE RESTORED IN KIND.
6. CONTRACTOR IS SOLELY RESPONSIBLE FOR TRENCH SAFETY INCLUDING SHEETING AND SHORING WHERE REQUIRED.
7. TRENCH BOTTOM SHALL NOT BE LESS THAN 12 INCHES OR MORE THAN 18 INCHES WIDER THAN THE OUTSIDE DIAMETER OF THE PIPE ON BOTH SIDES.
8. 12 GAUGE SINGLE STRAND COATED WIRE TO BE ATTACHED ON TOP OF WATER MAIN.
9. WIRE SHALL BE WRAPPED AROUND EACH CORPORATION A MINIMUM OF TWO WRAPS.
10. WIRE SHALL BE EXTENDED OUTSIDE OF EACH VALVE BOX AND WRAPPED AROUND THE VALVE BOX FOR EASY CONNECTION OF TRACING EQUIPMENT.

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2025
REVISED: NOV. 2024

TYPICAL TRENCH - WATER MAIN
AUD DETAIL 1.1
AUGUSTA UTILITIES DEPARTMENT
452 WALKER STREET, SUITE 200
AUGUSTA, GA 30901
Water Is Life
AUGUSTA UTILITIES

NOTE: ALL FIRE HYDRANTS TO BE PAINTED YELLOW. PROVIDE 5' RADIUS CLEARANCE AROUND FIRE HYDRANT.



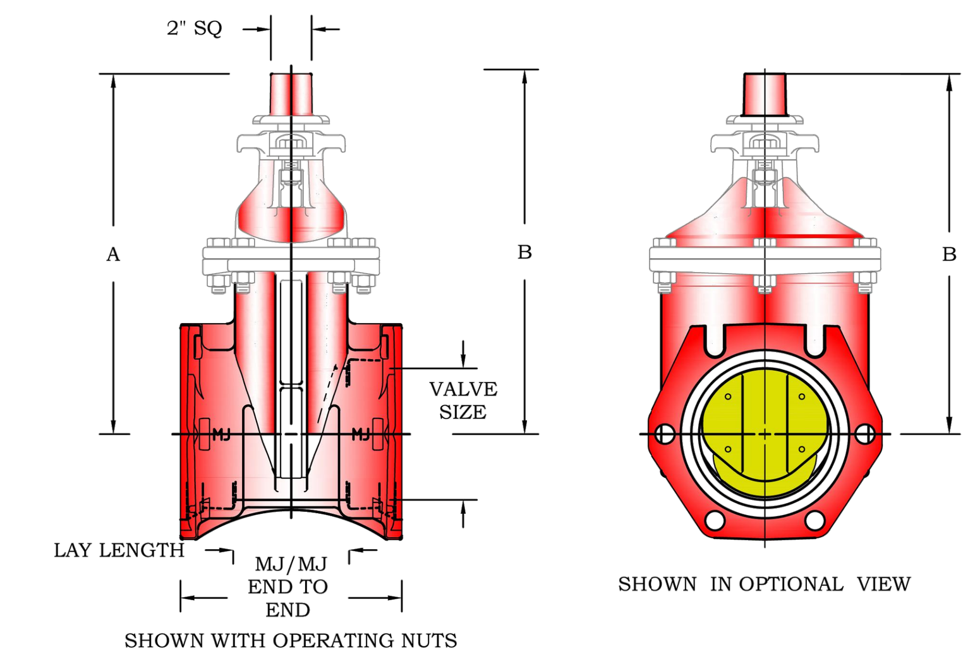
PROFILE VIEW

NOTES:
1. ONLY ONE (1) FIRE HYDRANT RISER BARREL WILL BE ALLOWED UNLESS OTHERWISE APPROVED BY AUD.
2. CONTRACTOR TO COORDINATE LOCATION OF VALVE WITH AUD INSPECTOR.
3. ALL PIPING SHALL BE RESTRAINED JOINT MEGA LUG DUCTILE IRON PIPE.

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2025
REVISED: NOV. 2024

FIRE HYDRANT ASSEMBLY
AUD DETAIL 1.2
AUGUSTA UTILITIES DEPARTMENT
452 WALKER STREET, SUITE 200
AUGUSTA, GA 30901
Water Is Life
AUGUSTA UTILITIES



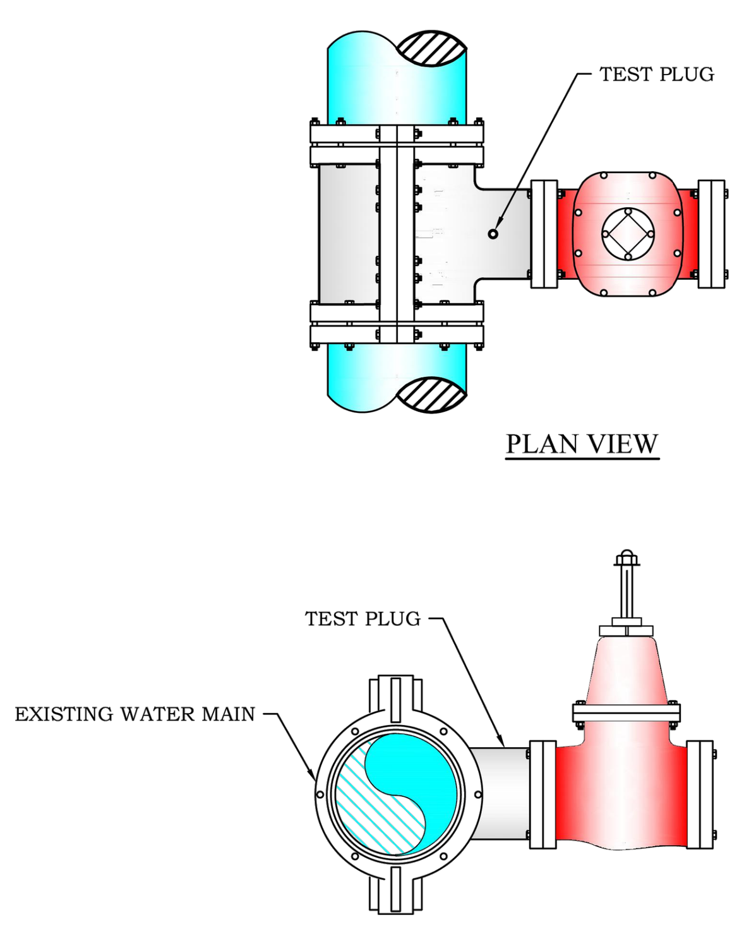
DIMENSION	VALVE SIZE								
	2"	4"	6"	8"	10"	12"	14"	16"	18"
A	9.25	13.91	17.12	20.47	24.06	27.59	33.25	36.75	39.62
B	10.22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
END TO END - MJ/MJ	8.25	10.00	10.50	11.50	12.50	13.59	20.50	20.88	23.00
LAY LENGTH - MJ/MJ	3.25	5.00	5.50	6.50	7.50	8.50	13.50	13.88	16.00
END TO END - FL/FL (CLASS 125)	7.00	9.00	10.50	11.50	13.00	14.00	15.00	16.00	17.00
END TO END - FL/FL (CLASS 250)	N/A	12.00	15.88	16.50	18.00	19.75	18.50	21.00	22.00
END TO END - TY/TY	N/A	13.00	15.88	17.50	18.75	19.75	N/A	N/A	N/A
END TO END - FL/MJ (CLASS 125)	N/A	9.50	10.50	12.38	13.62	14.38	17.75	18.44	20.00
END TO END - FL/TY (CLASS 125)	N/A	11.00	13.19	14.50	15.88	16.88	N/A	N/A	N/A
END TO END - PVC/PVC	10.75	13.00	15.88	17.50	N/A	N/A	N/A	N/A	N/A
END TO END - THREADED	6.25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NO. OF TURNS TO OPEN	9	14	20	26	32	38	44	50	56

NOTES:
1. VERTICAL GATE VALVE ASSEMBLY SHOULD BE FULL BODY DUCTILE IRON.
2. GATE VALVE SHALL BE CONSTRUCTED OF DUCTILE IRON AND SHALL BE FULLY ENCAPSULATED WITH SBR OR EPDM RUBBER.
3. VALVE BODY SHALL BE MADE OF DUCTILE IRON.
4. VALVE STEM SHALL BE MADE OF BRONZE IN ACCORDANCE WITH AWWA C509\C515.
5. GATE VALVES SHALL BE NON-RISING STEM TYPE WITH RESILIENT SEATED GATE VALVE UNLESS OTHERWISE SPECIFIED. VALVES SHALL OPEN LEFT, BLACK NUT, IF INSTALLED SOUTH OF GORDON HWY AND OPEN RIGHT, RED NUT, IF INSTALLED NORTH OF GORDON HWY.
6. GATE VALVES SHALL HAVE IDENTIFYING MARK OF THE MANUFACTURER, YEAR OF MANUFACTURE AND PRESSURE RATING CAST ON THE VALVE BODY.
7. SEE VALVE BOX INSTALLATION DETAIL 1.16.
8. MINIMUM 5' CLEARANCE FROM ANY OBSTRUCTION.

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2025
REVISED: NOV. 2024

VERTICAL GATE VALVE ASSEMBLY
AUD DETAIL 1.3
AUGUSTA UTILITIES DEPARTMENT
452 WALKER STREET, SUITE 200
AUGUSTA, GA 30901
Water Is Life
AUGUSTA UTILITIES



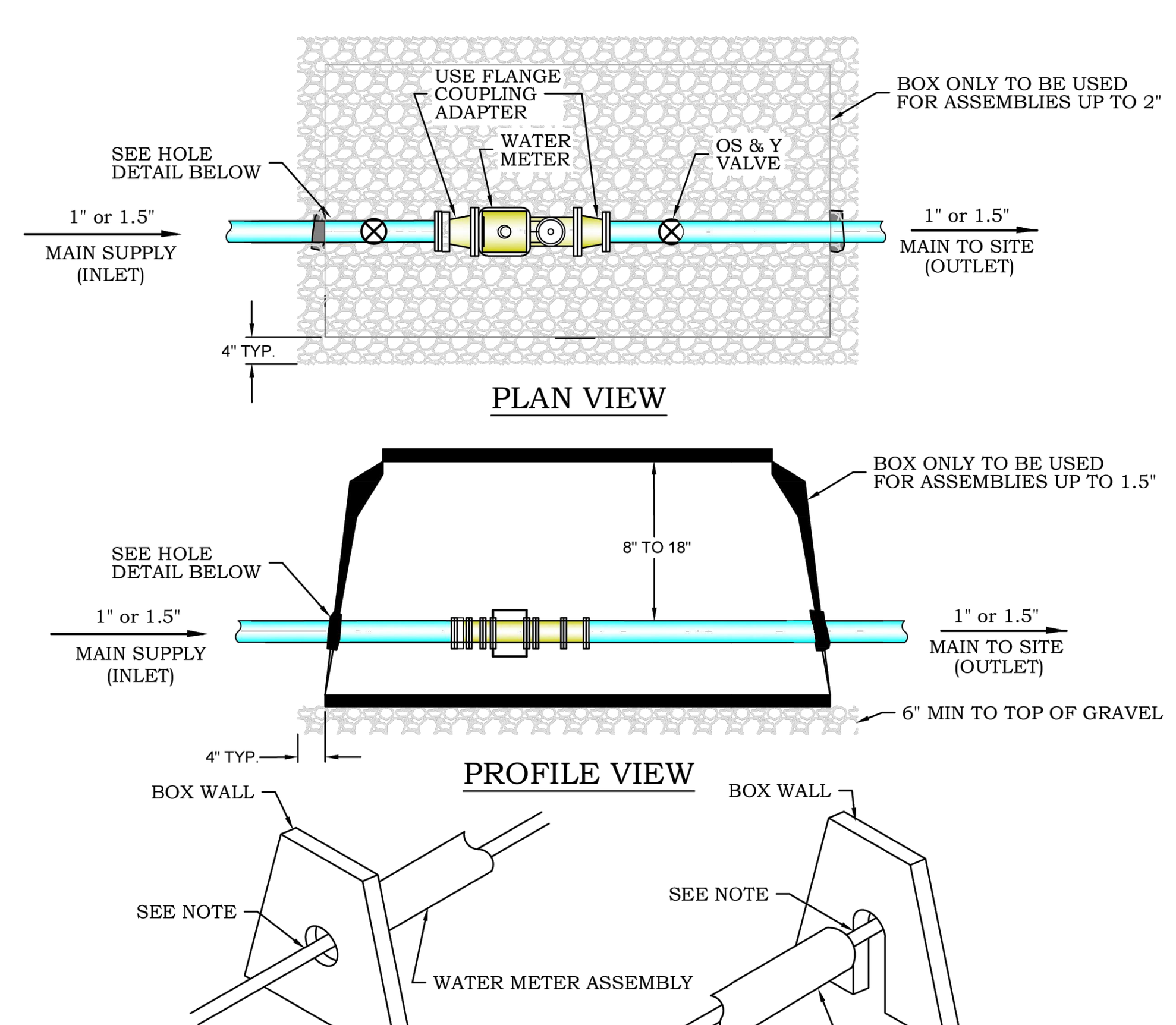
PROFILE VIEW

NOTES:
1. TAPPING VALVE SHALL BE A FULL BODY DUCTILE IRON MUELLER T-2360 RESILIENT WEDGE GATE VALVE MJ X FL ENDS (6"-12"), MUELLER T-2361 RESILIENT WEDGE GATE VALVE MJ X FL (14"-48") OR APPROVED EQUAL.
2. TAPPING SLEEVE SHALL BE A MUELLER H-615 FOR SIZES 6" - 24", & MUELLER T-9 MJ FOR 30" AND 36".
3. SS REPAIR CLAMPS AND MJ SPLIT SLEEVES WILL NOT BE ACCEPTED.
4. TAPPING VALVE SHALL BE PRESSURE TESTED FOR ONE HOUR PRIOR TO TAPPING EXISTING MAIN.
5. AN AUD INSPECTOR SHALL BE PRESENT DURING TESTING.
6. ALL TESTING SHALL BE IN ACCORDANCE WITH AUD SPECIFICATIONS.
7. TESTING PRESSURE SHALL BE 150 PSI FOR ASBESTOS CONCRETE PIPE AND 200+ PSI FOR ALL OTHER PIPE MATERIALS WITH NO DROP IN PRESSURE DURING TEST.
8. VALVES SHALL OPEN LEFT, BLACK NUT, IF INSTALLED SOUTH OF GORDON HWY AND OPEN RIGHT, RED NUT, IF INSTALLED NORTH OF GORDON HWY.
9. TAPPING VALVE AND SLEEVE TO BE ADEQUATELY SUPPORTED.

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2025
REVISED: NOV. 2024

TAPPING VALVE AND SLEEVE
AUD DETAIL 1.4
AUGUSTA UTILITIES DEPARTMENT
452 WALKER STREET, SUITE 200
AUGUSTA, GA 30901
Water Is Life
AUGUSTA UTILITIES



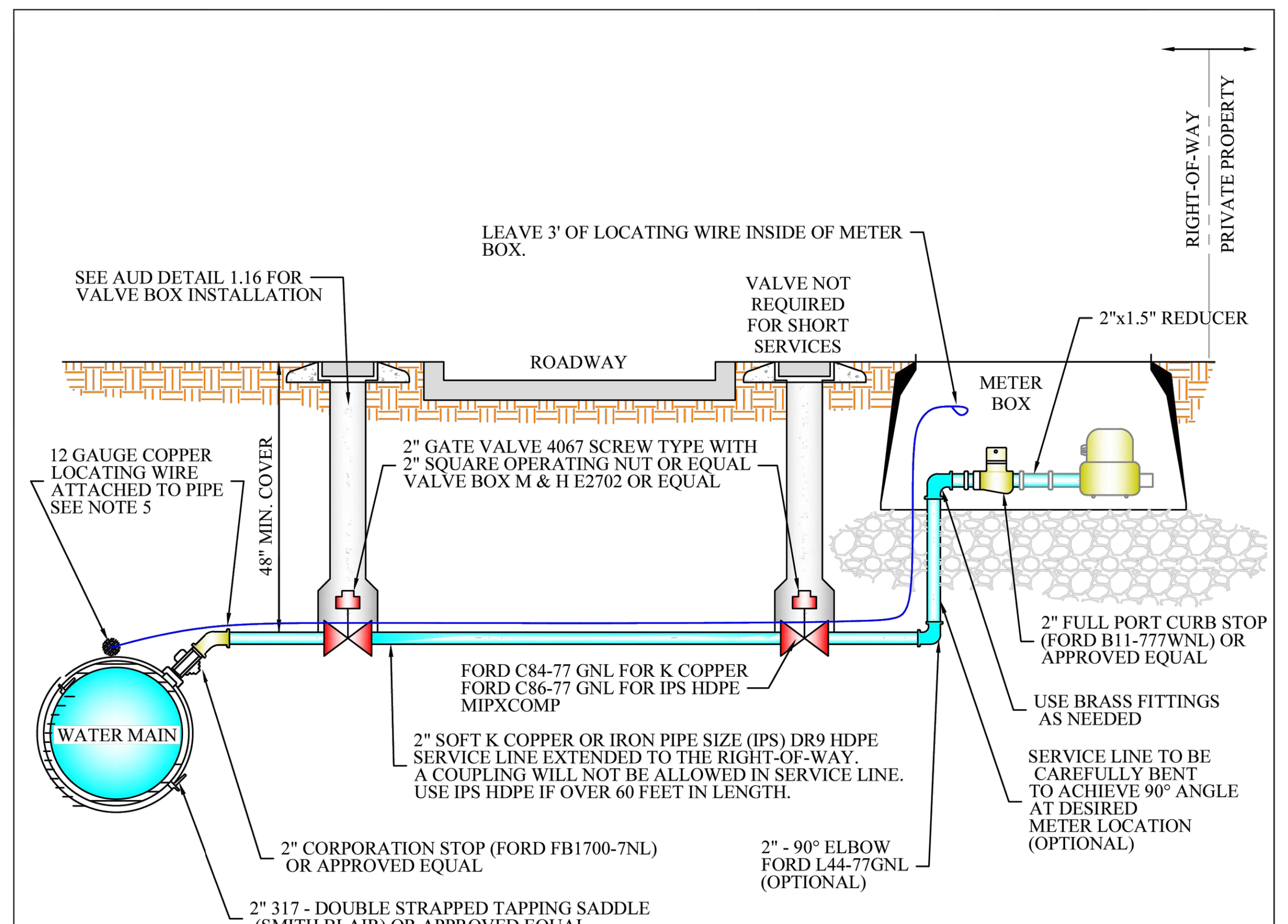
NOTE: PIPE CUTOUT HOLES MUST BE LARGER THAN WATER LINE AND SEALED WITH EXPANSION FOAM OR SILICONE CAULK INSIDE AND OUTSIDE THE BOX TO PREVENT DIRT AND WATER FROM ENTERING

NOTES:
1. FOR COMMERCIAL INSTALLATION, BOXES TO BE RECTANGULAR RHINO JUMBO BOX MB 17 WITH NICORE LID B-12 WITH AMR HOLE.
2. FOR COMMERCIAL INSTALLATION, BOXES TO BE RECTANGULAR NDS SUPER JUMBO BOX PART NO. 226B GREEN WITH NICORE LID B-36 WITH AMR HOLE.
3. FOR RESIDENTIAL INSTALLATION, BOXES TO BE RECTANGULAR RHINO MB 16 WITH BOTTOM-SETTLING RING WITH RECTANGULAR NICORE LID B9X WITH REBAR AND AMR HOLE.

HOLE DETAIL VIEW

APPROVED JAN. 2025
REVISED: NOV. 2024

WATER METER BELOW GROUND ENCLOSURE
AUD DETAIL 1.6
AUGUSTA UTILITIES DEPARTMENT
452 WALKER STREET, SUITE 200
AUGUSTA, GA 30901
Water Is Life
AUGUSTA UTILITIES



PROFILE VIEW

NOTES:
1. WATER METERS SHALL BE PURCHASED FROM AUGUSTA UTILITIES DEPARTMENT.
2. WATER METERS SHALL BE INSTALLED BY CONTRACTOR.
3. METER BOXES SHALL BE INSTALLED AND MAINTAINED BY THE DEVELOPER UNTIL THE RESIDENCE IS OCCUPIED.
4. COUPLINGS AND REDUCERS REQUIRED ON NEW SERVICES AFTER CURB STOP SHALL BE INSTALLED BY THE CONTRACTOR.
5. 12 GAUGE SINGLE STRAND COATED WIRE TO BE ATTACHED TO TOP OF WATER MAIN AND SERVICE LINE.
6. APPROVED ADAPTERS SHALL BE USED WHERE NECESSARY TO PROVIDE A TRANSITION BETWEEN PIPES AND/OR FITTINGS OF DIFFERING OUTSIDE DIAMETERS AND MATERIALS.
7. METER SHOULD BE LOCATED 1 FOOT INSIDE OF RIGHT OF WAY.
8. FOR CUT & CAP OF EXISTING SERVICE, TURN OFF GATE VALVE AND CORP STOP AND REMOVE CURB STOP. REMOVE BOX AND RETURN METER TO AUD INSPECTOR.
9. FOR COMMERCIAL INSTALLATION, BOXES TO BE RECTANGULAR RHINO JUMBO BOX MB 17 WITH NICORE LID B-12 WITH AMR HOLE.
10. FOR COMMERCIAL INSTALLATION, BOXES TO BE RECTANGULAR NDS SUPER JUMBO BOX PART NO. 226B GREEN WITH NICORE LID B-36 WITH AMR HOLE.
11. FOR RESIDENTIAL INSTALLATION, BOXES TO BE RECTANGULAR RHINO MB 16 WITH BOTTOM-SETTLING RING WITH RECTANGULAR NICORE LID B9X WITH REBAR AND AMR HOLE.
12. THIS IS A SINGLE SERVICE MAIN.

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2025
REVISED: NOV. 2024

1.5" WATER METER & 2" SERVICE
AUD DETAIL 1.8
AUGUSTA UTILITIES DEPARTMENT
452 WALKER STREET, SUITE 200
AUGUSTA, GA 30901
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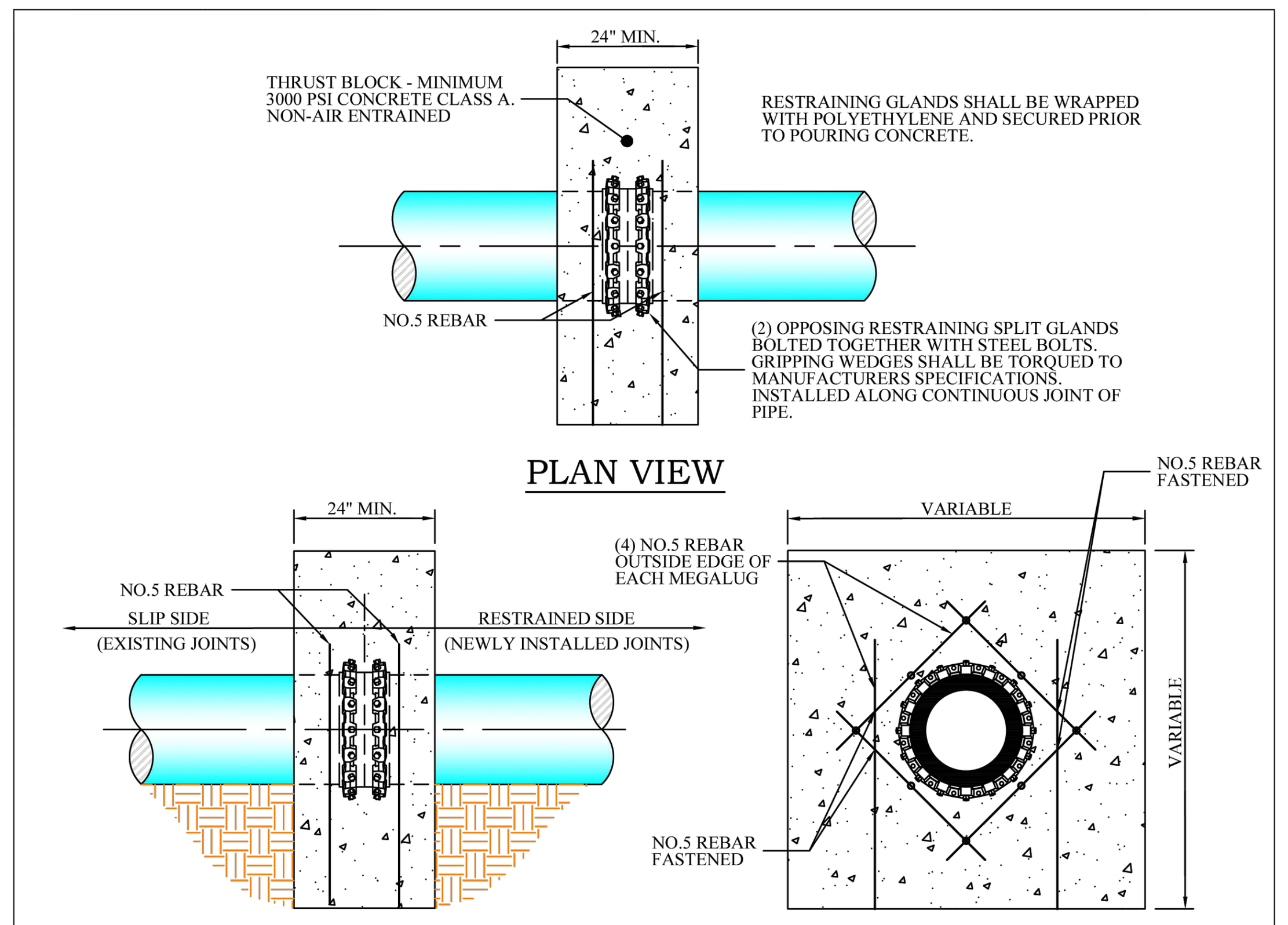

MINIMUM CUBIC YARDS OF CONCRETE REQUIRED		
PIPE DIAMETER	200 PSI TEST PRES.	REBAR REQUIRED
6"	1.0	NO
8"	1.0	NO
10"	2.0	NO
12"	2.0	NO
14"	3.0	YES
16"	3.0	YES

NOTES:
1. THE PROJECT DESIGN PROFESSIONAL IS RESPONSIBLE FOR OVERALL DESIGN. THE SIZES SPECIFIED HEREIN ARE MINIMUM SIZES BASED ON SOIL.
2. FITTINGS SHALL BE MECHANICAL JOINT RESTRAINT TO OVERCOME THE FORCE ACTING ON A PIPE JOINT.
3. ANCHOR BLOCKING TO BE POURED A MINIMUM OF 24 HOURS IN ADVANCE. AUD INSPECTOR WILL DIRECT WHEN WATER MAIN MAY BE CUT.
4. AUD INSPECTOR MUST BE PRESENT DURING INSTALLATION.
5. CONTRACTOR TO ENSURE NO SLIP JOINTS REMAIN ON NEWLY RESTRAINED SIDE OF DEADMAN THRUST RESTRAINT.
6. MAINS GREATER THAN 16" DIA. WILL NEED TO BE DESIGNED BY A DESIGN ENGINEER.

DESIGN CRITEREA: SOIL BEARING CAPACITY OF 2000 PSF, SAFETY FACTOR OF 2.0, AND RATED TEST PRESSURE OF 200 PSI.

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APPROVED JAN. 2025
REVISED: NOV. 2024

DEADMAN THRUST RESTRAINT WITH MASS WEIGHT BLOCKING
AUD DETAIL 1.14
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CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED No. 036340 PROFESSIONAL ENGINEER WILLIAM TARRANT BUCHANAN

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO. 3042.2403
DRAWN BY: AWR
CHECKED BY: WTB
DATE: 04/03/2024

SHEET TITLE:
SITE DETAILS
SHT. 4 OF 5

SCALE: AS SHOWN
DRAWING NO. C-604
REV. A

K:\3042\2403\Civil\C-601 TO C-607.dwg Plotted:4/30/2025 4:11 PM By:William T. Buchanan, P.E.

BORDER: JLA24x36-XREF.DWG
REV. 4/4/2024 CRE

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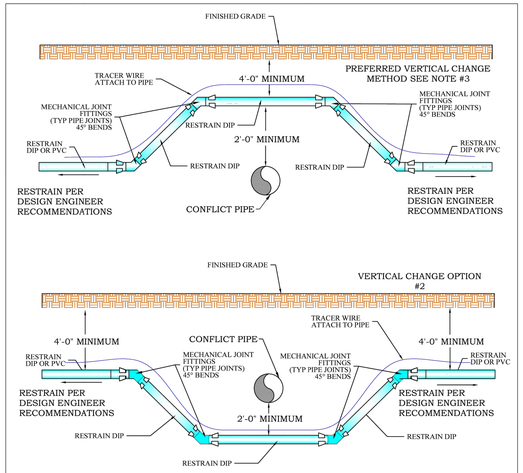

PROFILE VIEW

NOTE:
1. IF EXISTING TRACER WIRE IS PRESENT, REATTACH WITH NEW WIRE AT BOTH ENDS.
2. IF EXISTING TRACER WIRE IS CUT, ENSURE REPLACEMENT.
3. PREFERRED VERTICAL CHANGE TO GO OVER ANY CONFLICT PIPE PROVIDED THERE IS 2.5' OF COVER AND MINIMUM 6' OF SEPARATION AND MUST BE APPROVED BY AUD. OTHERWISE SEE CONFLICT OPTION #2.

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APPROVED JAN. 2025
REVISED: NOV. 2024

WATER MAIN VERTICAL CHANGE FOR CROSSING CONFLICT

AUD DETAIL 1.15

AUGUSTA UTILITIES DEPARTMENT
452 WALKER STREET, SUITE 200
AUGUSTA, GA 30901

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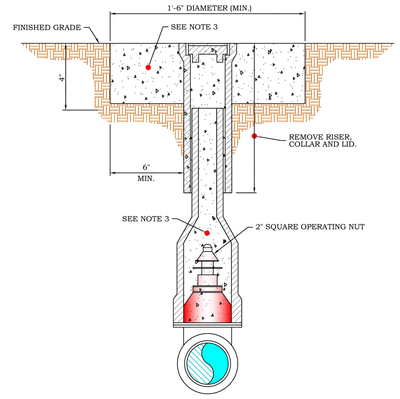

PROFILE VIEW

NOTES:
1. CLOSE VALVE
2. REMOVE RISER, COLLAR, LID
3. IN ROADWAY: FILL WITH CONCRETE
   IN ROW: FILL WITH DIRT

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APPROVED JAN. 2025
REVISED: NOV. 2024

VALVE BOX ABANDONMENT

AUD DETAIL 1.17

AUGUSTA UTILITIES DEPARTMENT
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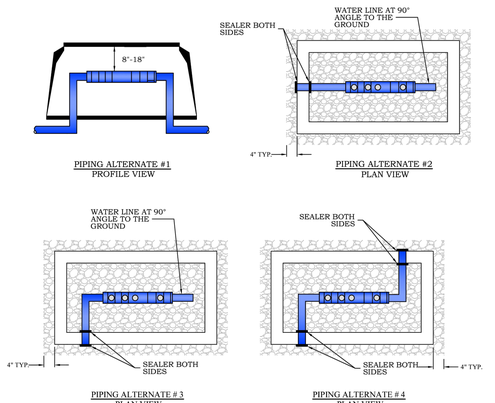

NOTES:
1. ASSEMBLY SHOULD BE CENTERED IN BOX TO ALLOW ACCESS FOR TESTING AND REPAIR.
2. BOX SHALL NOT REST ON WATER LINE.
3. ENTRY AND EXIT POINTS OF WATER LINE AND BOX MUST BE SEALED ON BOTH SIDES TO PREVENT ENTRY OF WATER AND DIRT.
4. MINIMUM CLEARANCE TO BE MAINTAINED: 8" TO 18" FROM ASSEMBLY TO TOP OF BOX, 6" FROM BOTTOM OF ASSEMBLY TO TOP OF GRAVEL.

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2025
REVISED: NOV. 2024

DOUBLE CHECK VALVE ASSEMBLY VARIATIONS (2" AND SMALLER)

AUD DETAIL 1.20

AUGUSTA UTILITIES DEPARTMENT
452 WALKER STREET, SUITE 200
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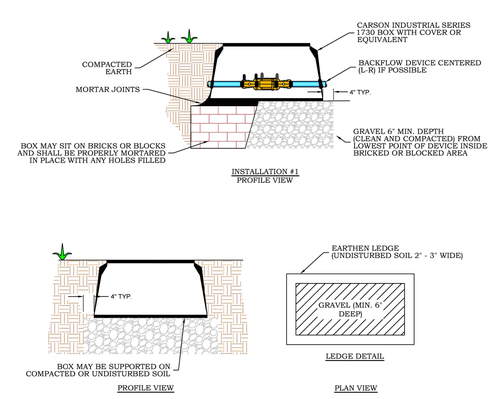

NOTE: OTHER TYPES OF INSTALLATION MAY BE NECESSARY DUE TO VARYING FIELD CONDITIONS. CONSULT WITH INSPECTOR BEFORE INSTALLING.

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APPROVED JAN. 2025
REVISED: NOV. 2024

DOUBLE CHECK VALVE FOUNDATION VARIATIONS (2" AND SMALLER)

AUD DETAIL 1.21

AUGUSTA UTILITIES DEPARTMENT
452 WALKER STREET, SUITE 200
AUGUSTA, GA 30901

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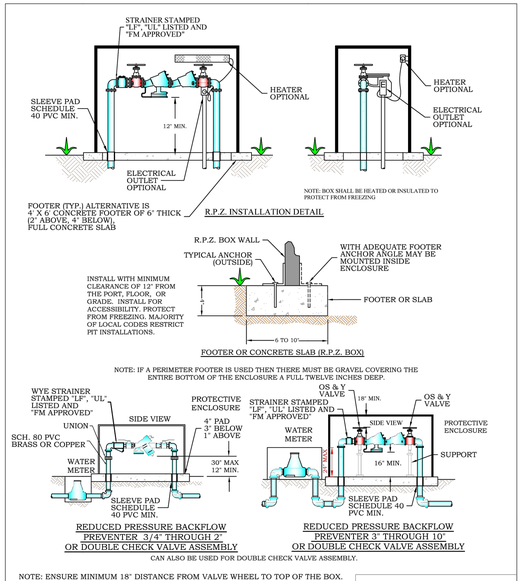

NOTE: ENSURE MINIMUM 18" DISTANCE FROM VALVE WHEEL TO TOP OF THE BOX.

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2025
REVISED: NOV. 2024

REDUCED PRESSURE ZONE (RPZ) ASSEMBLY

AUD DETAIL 1.22

AUGUSTA UTILITIES DEPARTMENT
452 WALKER STREET, SUITE 200
AUGUSTA, GA 30901

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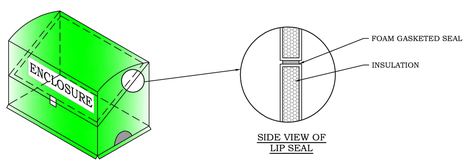

TWO PIECE BOX

NOTES:
1. BOX SHALL MEET ASSE 1060 STANDARD ENCLOSURE OR EQUAL.
2. BOX SHALL BE SIZED TO RPZ OR DOUBLE CHECK VALVE ASSEMBLIES 4" AND ABOVE.
3. BOX SHOULD BE INSULATED TO PROTECT FROM FREEZING.
4. ELECTRICAL OUTLET AND HEATER OPTIONAL.
5. BOX CAN BE ANY COLOR, BUT MUST BE INSULATED.
6. BOXES MUST BE ORDERED WITH A RECEIVE DATE AND PROVIDED TO AUD INSPECTOR BEFORE RELEASE OF WATER METER.

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2025
REVISED: NOV. 2024

RPZ OR DOUBLE CHECK ABOVE GROUND ENCLOSURE ASSEMBLY PROPERTIES

AUD DETAIL 1.23

AUGUSTA UTILITIES DEPARTMENT
452 WALKER STREET, SUITE 200
AUGUSTA, GA 30901

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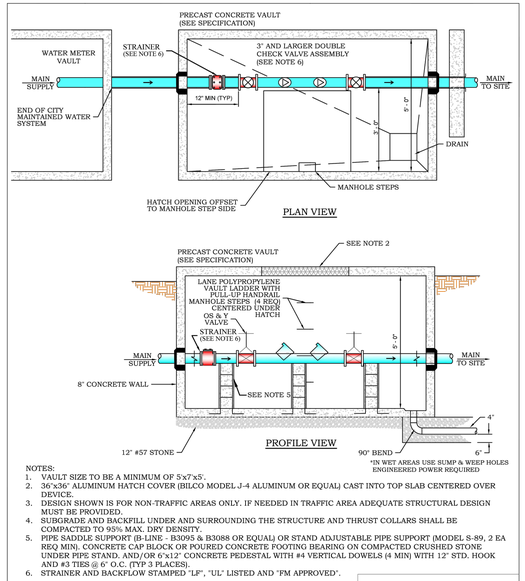

NOTES:
1. VAULT SIZE TO BE A MINIMUM OF 5'x7'x5'.
2. 36"x36" ALUMINUM HATCH COVER (BILCO MODEL J-4 ALUMINUM OR EQUAL) CAST INTO TOP SLAB CENTERED OVER DEVICE.
3. DESIGN SHOWN IS FOR NON-TRAFFIC AREAS ONLY. IF NEEDED IN TRAFFIC AREA ADEQUATE STRUCTURAL DESIGN MUST BE PROVIDED.
4. SUBGRADE AND BACKFILL UNDER AND SURROUNDING THE STRUCTURE AND THRUST COLLARS SHALL BE COMPACTED TO 95% MAX. DRY DENSITY.
5. PIPE SADDLE SUPPORT (B-LINE - B3095 & B3088 OR EQUAL) OR STAND ADJUSTABLE PIPE SUPPORT (MODEL S-89, 2 EA REQ MIN). CONCRETE CAP BLOCK OR POURED CONCRETE FOOTING BEARING ON COMPACTED CRUSHED STONE UNDER PIPE STAND. AND/OR 6"x12" CONCRETE PEDESTAL WITH #4 VERTICAL DOWELS (4 MIN) WITH 12" STD. HOOK AND #3 TIES @ 6" O.C. (TYP 3 PLACES).
6. STRAINER AND BACKFLOW STAMPED "LF", "UL" LISTED AND "FM APPROVED".

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2025
REVISED: NOV. 2024

BACKFLOW PREVENTER VAULT

AUD DETAIL 1.30

AUGUSTA UTILITIES DEPARTMENT
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AUGUSTA, GA 30901

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CAUTION BURIED WATER LINE BELOW

CAUTION BURIED SEWER LINE BELOW

CAUTION BURIED FIBER OPTIC LINE BELOW

NOTES:
1. UNDERGROUND MARKING TAPE SHALL BE (4" WIDTH), MARKING TAPE, WITH A MINIMUM 4.0 MIL OVER-ALL THICKNESS.
2. TAPE MUST MEET THE APWA COLOR-CODE STANDARD FOR IDENTIFICATION OF BURIED UTILITIES (WATER - BLUE, SEWER - GREEN, FIBER OPTIC - ORANGE).
3. TAPE TO BE INSTALLED 2' ABOVE THE WATER LINE.

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

APPROVED JAN. 2025
REVISED: NOV. 2024

DETECTOR TAPE

AUD DETAIL 3.6

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED No. 036340 PROFESSIONAL ENGINEER WILLIAM TARRANT BUCHANAN

GEORGIA CERTIFICATE OF AUTHORIZATION JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO. 3042.2403
DRAWN BY : CRE
CHECKED BY : WTB
DATE: 04/03/2024

SHEET TITLE :
SITE DETAILS SHT. 5 OF 5

SCALE: AS SHOWN

DRAWING NO. **C-605** REV. **A**

K:\3042\2403\Civil\C-601 TO C-607.dwg Plotted:4/30/2025 4:11 PM By:William T. Buchanan, P.E.

BORDER_A_ANSI-XREF.DWG REV. 4/2025 CRE

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PLANT SCHEDULE

CONTRACTOR RESPONSIBLE FOR THEIR OWN QUANTITY TAKE-OFFS

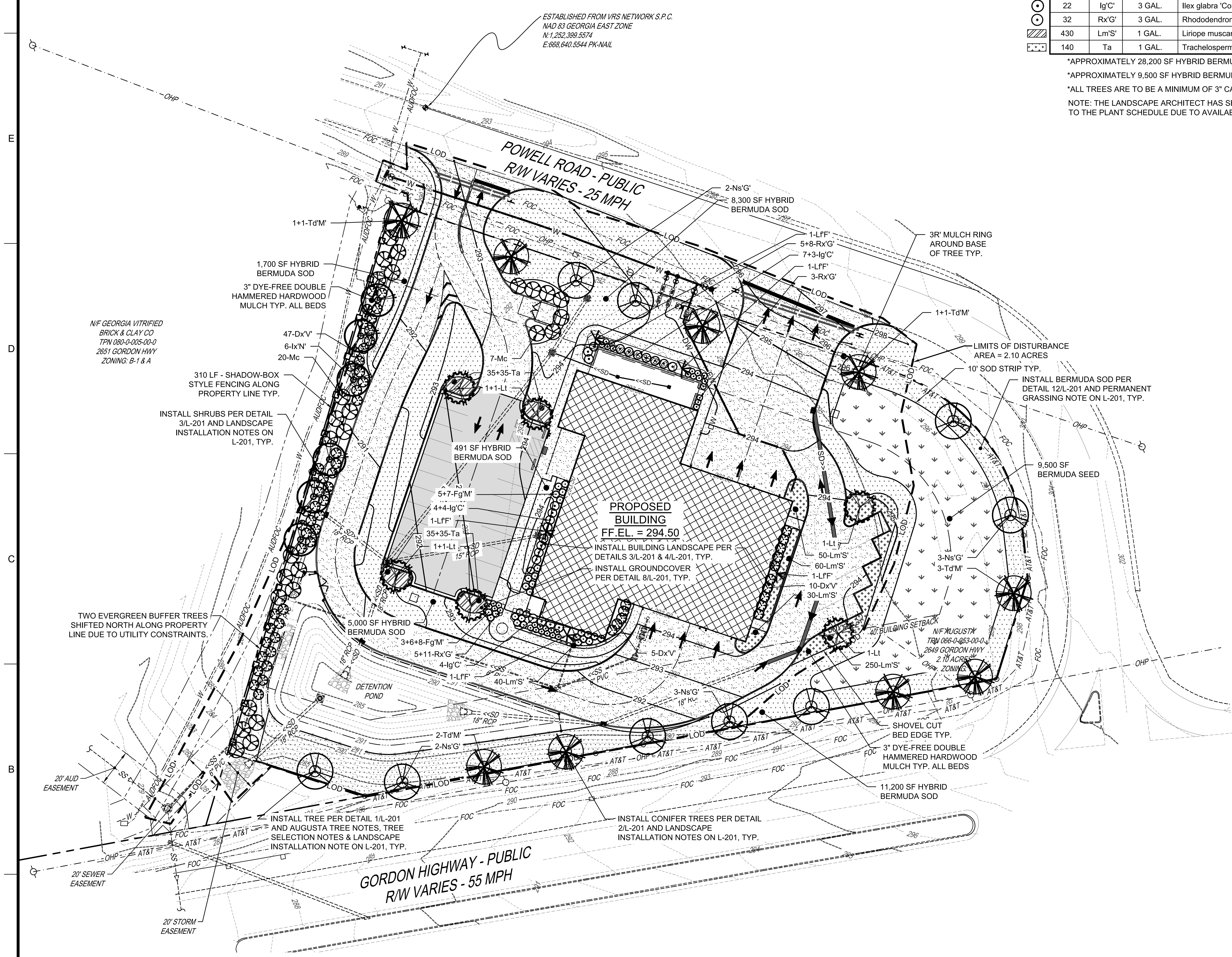
COUNT	SYMB.	SIZE	BOTANICAL NAME	COMMON NAME	HEIGHT	SPACING	TREE PTS.	TOTAL
5	Lf'F'	3" CAL.	Lagerstroemia faurei 'Fantasy'	Fantasy Crepe Myrtle	10'-12'	AS SHOWN	300 SF	1,500 SF
6	Lt	3" CAL.	Liriodendron tulipifera	Tulip Poplar	10'-12'	AS SHOWN	1400 SF	8,400 SF
9	Ns'G'	3" CAL.	Nyssa sylvatica 'Green Gable'	Green Gable Black Gum	10'-12'	AS SHOWN	1400 SF	12,600 SF
9	Td'M'	3" CAL.	Taxodium distichum 'Shawnee Brave'	Shawnee Brave Bald Cypress	10'-12'	AS SHOWN	1400 SF	12,600 SF
6	Ix'N'	7 GAL.	Ilex x 'Nellie R. Stevens'	Nellie R. Stevens Holly Tree	FULL	AS SHOWN	750 SF	4,500 SF
27	Mc	7 GAL.	Myrica cerifera	Southern Wax Myrtle	FULL	AS SHOWN	--	--
62	Dx'V'	3 GAL.	Distylium x 'Vintage Jade'	Distylium x 'Vintage Jade'	FULL	AS SHOWN	--	--
29	Fg'M'	3 GAL.	Fothergilla gardenii 'Mt. Airy'	Dwarf Fothergilla	FULL	AS SHOWN	--	--
22	Ig'C'	3 GAL.	Ilex glabra 'Compacta'	Compact Inkberry	FULL	AS SHOWN	--	--
32	Rx'G'	3 GAL.	Rhododendron x 'Gumpo Pink'	Gumpo Pink Azalea	FULL	AS SHOWN	--	--
430	Lm'S'	1 GAL.	Liriope muscari 'Super Blue'	Super Blue Mondo Grass	FULL	24" O.C.	--	--
140	Ta	1 GAL.	Trachelospermum asiaticum	Asiatic Jasmine	FULL	24" O.C.	--	--
							TOTAL	39,600 SF

*APPROXIMATELY 28,200 SF HYBRID BERMUDA SOD *CONTRACTOR IS RESPONSIBLE FOR HIS OR HER OWN TAKE OFFS

*APPROXIMATELY 9,500 SF HYBRID BERMUDA SEED *CONTRACTOR IS RESPONSIBLE FOR HIS OR HER OWN TAKE OFFS

*ALL TREES ARE TO BE A MINIMUM OF 3" CALIPER, 8' IN HEIGHT AND UNBRANCHED TO 6'

NOTE: THE LANDSCAPE ARCHITECT HAS SELECTED PLANT VARIETIES WHICH ATTAIN SPECIFIC SIZES. ANY PROPOSED SUBSTITUTIONS TO THE PLANT SCHEDULE DUE TO AVAILABLE SUPPLY MUST BE APPROVED BY THE PROJECT LANDSCAPE ARCHITECT.



MINIMUM CANOPY REQUIREMENT

ALL LAND UNDERGOING DEVELOPMENT SHALL PROVIDE FOR THIRTY PERCENT (30%) MINIMUM TREE CANOPY COVERAGE. TREE CANOPY COVERAGE IS THE SUM TOTAL OF PRESERVED TREES AND REPLACEMENT TREES AT THEIR ANTICIPATED CANOPY COVERAGE TEN (10) YEARS FROM THE TIME THAT THE SITE IS DEVELOPED.

TOTAL DISTURBED AREA: 2.29 ACRES (99,752 SF)

REQUIRED MINIMUM CANOPY: 99,752 x 0.3 = 29,925 SF (.69 ACRES)

TOTAL PRESERVED TREE CANOPY: 0 SF (0 ACRES)

ADDITIONAL CANOPY REQUIRED: 29,925 - 0 = 29,925 SF (.69 ACRES)

1 LARGE TREE=	1400 SF
1 MEDIUM TREE=	750 SF
1 SMALL TREE=	300 SF
24 LARGE TREES PROVIDED=	33,600 SF
6 MEDIUM TREES PROVIDED=	4,500 SF
5 SMALL TREES PROVIDED=	1,500 SF
TOTAL=	39,600 SF

BUFFER REQUIREMENTS

BUFFER STRIP TREES

1 TREE/ 45 L.F. OF TOTAL LOT CONNECTION
310 LF - REQUIRES 7 LARGE/MEDIUM EVERGREEN TREES
7 TREES PROVIDED (SHIFTED ALONG LOT CONNECTION DUE TO SANITARY SEWER CONSTRAINTS)
310 LF - SHADOWBOX STYLE FENCE PROVIDED

TREE ORDINANCE REQUIREMENTS

LANDSCAPE STRIP TREES

1 TREE/ 45 L.F. OF TOTAL LOT FRONTAGE (GORDON HWY.)
425 LF - REQUIRES 9 LARGE TREES
9 LARGE TREES PROVIDED
1 TREE/ 45 L.F. OF TOTAL LOT FRONTAGE (POWELL RD.)
409 LF - REQUIRES 9 LARGE TREES
9 LARGE TREES PROVIDED

PARKING LOT TREES

1 TREE/ 3000 S.F. OF TOTAL PARKING LOT SURFACE AREA
(NO PARKING SPACE IS MORE THAN 65' FROM THE TRUNK OF ANY PROPOSED TREE)
10,000 SF - REQUIRES 3 LARGE OR MEDIUM TREES
- 4 LARGE OR MEDIUM TREES PROVIDED ON SITE

UTILITY WARNING:
The underground utilities shown have been located from field survey information and existing drawings. The engineer makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The engineer further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The engineer has not physically located the underground utilities.

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1 / L-101 LANDSCAPE PLAN

GRAPHIC SCALE
SCALE: 1" = 30'

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED LANDSCAPE ARCHITECT No. LA001874 JILLIAN NOELLE READY 4-29-25

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024
SHEET TITLE :	LANDSCAPE PLAN
SCALE:	1" = 30'
DRAWING NO.	L-101
REV.	A

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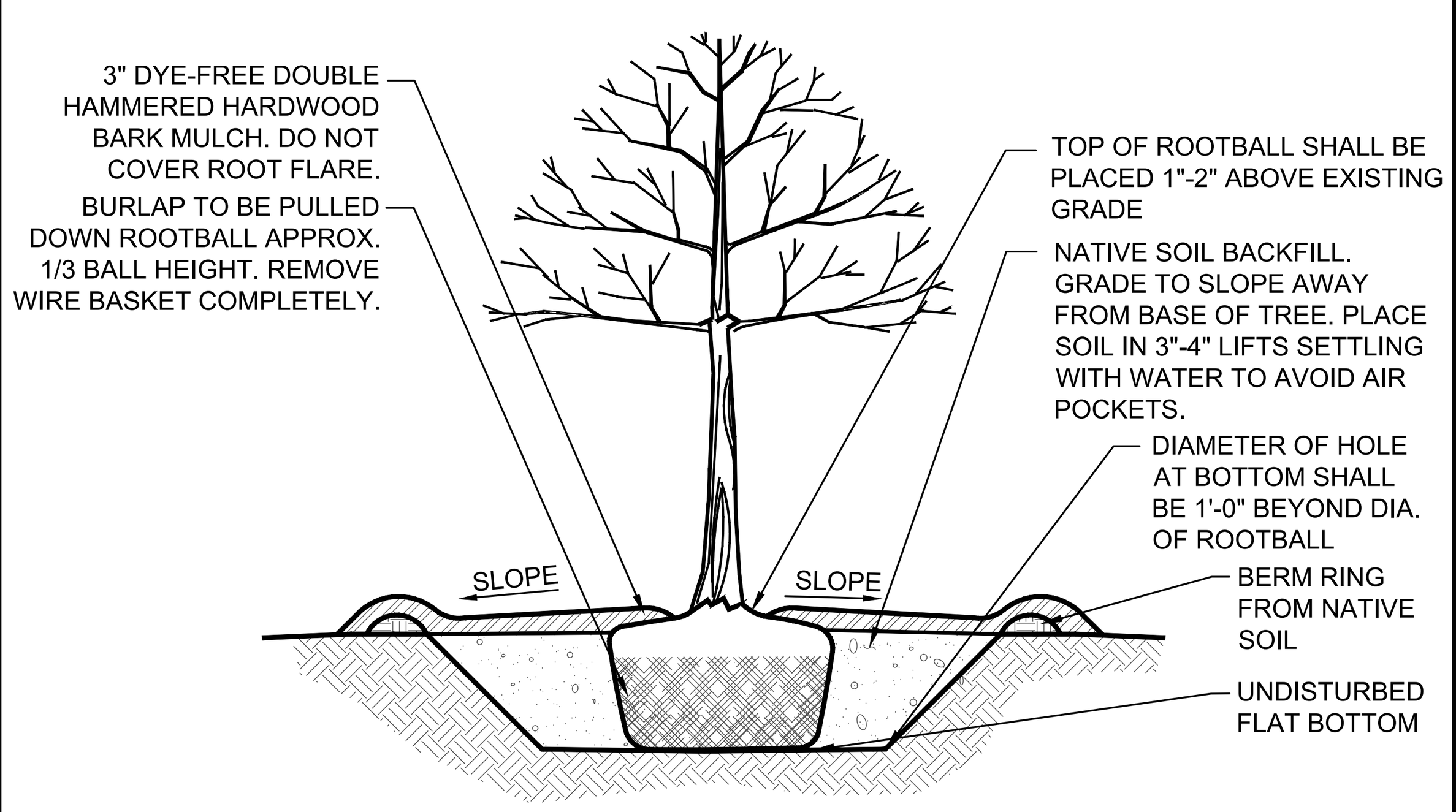
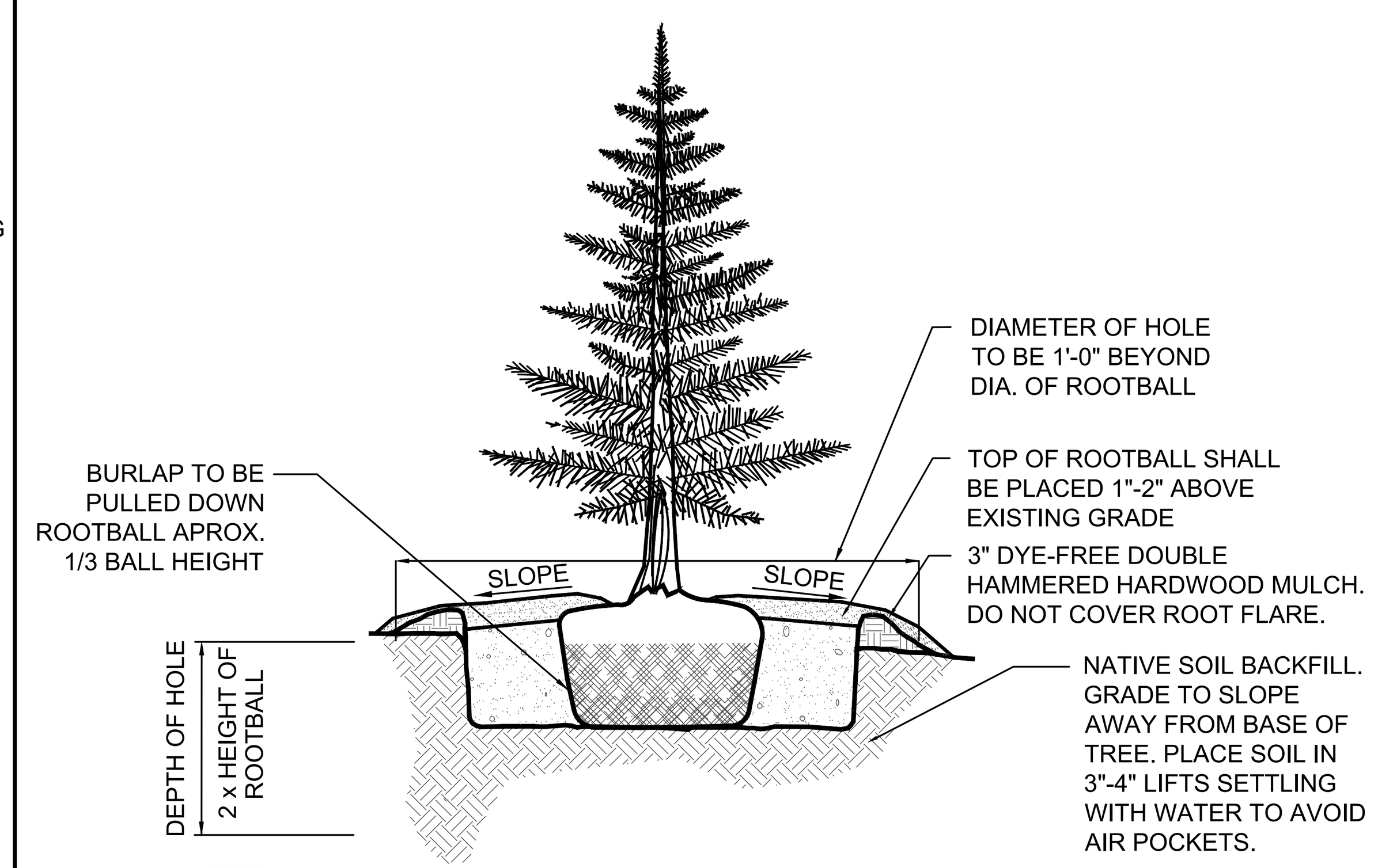


NOTES:
1. MIN. ROOT MASS TO BE IN ACCORDANCE WITH "AMERICAN STANDARDS FOR NURSERY STOCK"
2. DO NOT ALLOW ROOT BALL TO DRY OUT DURING INSTALLATION PROCESS.
3. NOTE COMPASS ORIENTATION OF TREE PRIOR TO DIGGING AND MATCH PRIOR ORIENTATION AT INSTALLATION.
4. WATER THOROUGHLY AFTER PLANTING

1 / L-201

TYP. TREE PLANTING DETAIL

NOT TO SCALE

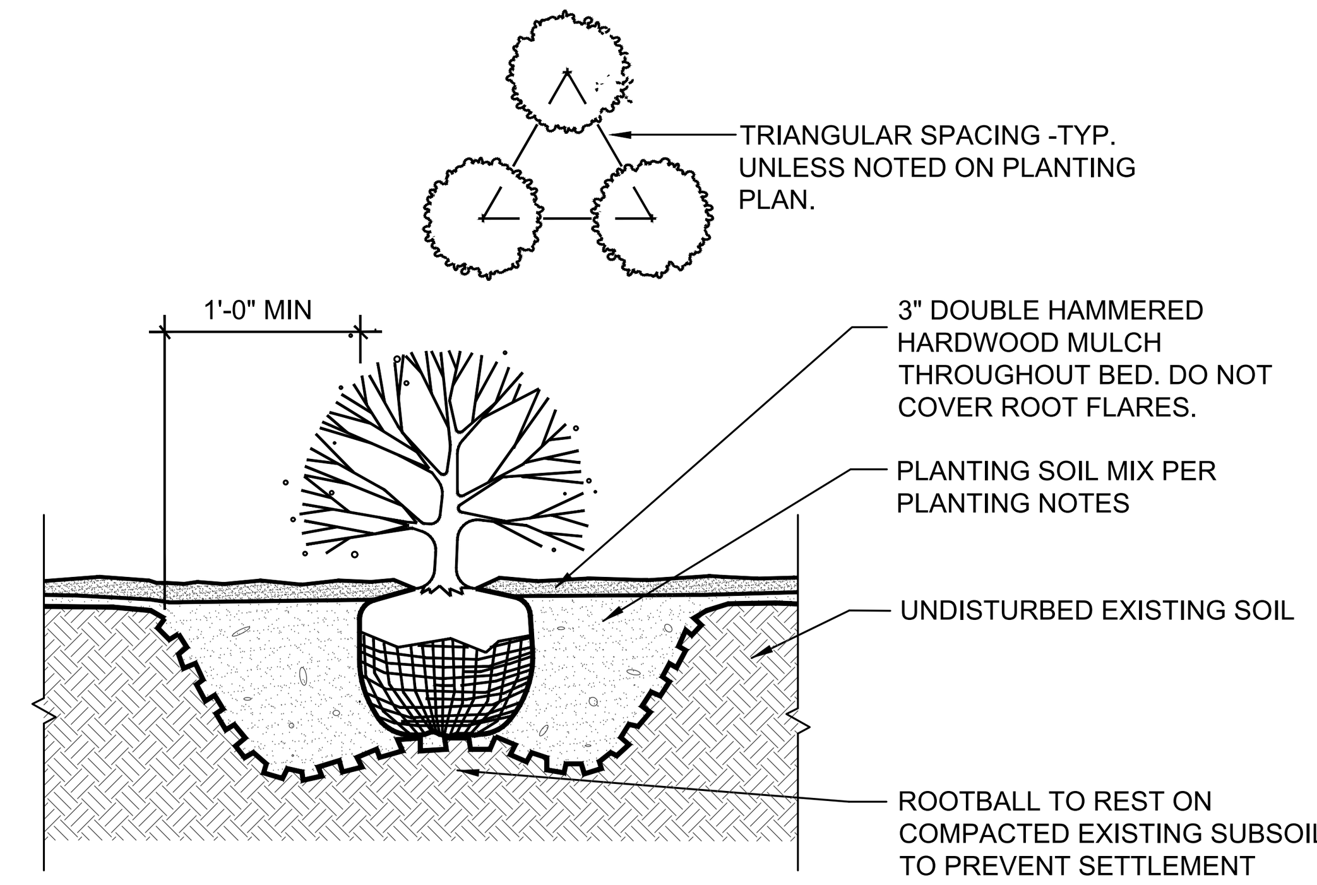


NOTES:
1. MIN. ROOT MASS TO BE IN ACCORDANCE WITH "AMERICAN STANDARDS FOR NURSERY STOCK"
2. DO NOT ALLOW ROOT BALL TO DRY OUT DURING INSTALLATION PROCESS.
3. NOTE COMPASS ORIENTATION OF TREE PRIOR TO DIGGING AND MATCH PRIOR ORIENTATION AT INSTALLATION.
4. WATER THOROUGHLY AFTER PLANTING

2 / L-201

CONIFER TREE PLANTING DETAIL

NOT TO SCALE



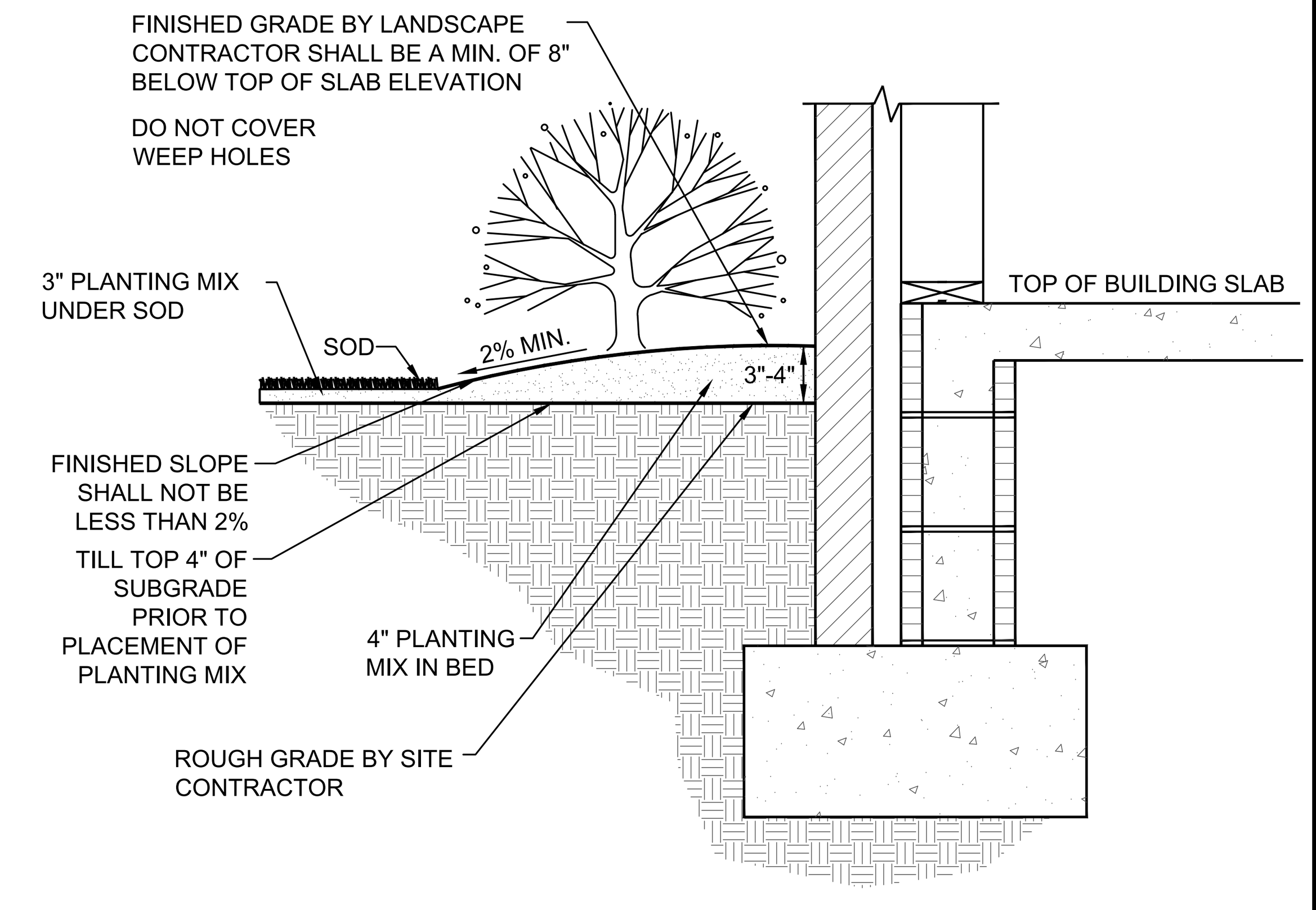
TYPICAL BED LAYOUT:
1. LAY OUT PERIMETER PLANTING SPACED AS PER PLAN.
2. FILL IN PLANTING BED WITH TRIANGULAR SPACING. ADJUST AS PER L.A.'S INSTRUCTIONS.

NOTES:
1. VERIFY FINISH GRADE ELEVATION. PLANT TOP OF ROOTBALL AT FINISH GRADE.
2. REMOVE BURLAP FROM TOP $\frac{1}{3}$ OF BALL. REMOVE CONTAINER PLANTS FROM CONTAINERS AND CUT ANY CIRCLING ROOTS.

3 / L-201

SHRUB PLANTING DETAIL

NOT TO SCALE



NOTES:
1. VERIFY FINISH GRADE ELEVATION. PLANT TOP OF ROOTBALL AT FINISH GRADE.
2. CENTER OF ROOTBALL SHALL BE PLANTED NO CLOSER THAN 4' FROM FACE OF BUILDING.

4 / L-201

PLANTING BED AT FOUNDATION

NOT TO SCALE

AUGUSTA TREE NOTES

ILLUSTRATED TREE ORDINANCE SECTION 6.5
1. CONTRACTOR MUST CONTACT THE AUGUSTA PLANNING DEPARTMENT TO SET UP A PRE-CONSTRUCTION MEETING PRIOR TO ANY TREE DISTURBANCE.
2. ALL TREE PROTECTION DEVICES MUST BE INSTALLED PRIOR TO INSPECTION BY THE CODE INSPECTION OFFICER AND PRIOR TO ANY TREE DISTURBANCE ACTIVITIES
3. REMOVAL OR DAMAGE OF TREES IN THE CONSERVATION AREA WILL BE SUBJECT TO THE PENALTIES ESTABLISHED IN THE PENALTIES SECTION OF THIS ORDINANCE.
4. THESE PLANS SHALL BE REVIEWED BY THE CODE INSPECTION OFFICER FOR CONFORMANCE WITH APPLICABLE PROVISIONS OF THIS SECTION AND FOR TREE AND VEGETATION VIABILITY. THE PLANS WILL EITHER BE APPROVED OR RETURNED FOR REVISIONS. REASONS FOR RETURN SHALL BE NOTED ON THE PROPOSED PLAN.
5. ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO INSPECTION OF CODE INSPECTION OFFICER AND PRIOR TO TREE DISTURBANCE.
6. THE CODE INSPECTION OFFICER WILL CONDUCT FOLLOW-UP SITE INSPECTIONS FOR ENFORCEMENT OF THE TREE PROTECTION REQUIREMENTS.

TREE ORDINANCE SECTION 8.4.13(D-7C)
7. NO LIGHTING CAN BE WITHIN 20' OF A REQUIRED TREE OR WITHIN A REQUIRED LANDSCAPE ISLAND.
8. LIGHTING ON THE ELECTRICAL PLAN MUST BE CONSISTENT WITH LIGHTING DELINEATED ON THE TREE PROTECTION/TREE ESTABLISHMENT PLAN; IF CONFLICTS BETWEEN THE TWO PLANS ARISE, THE LIGHTING ON THE TREE PROTECTION/TREE ESTABLISHMENT PLAN SUPERSEDES LIGHTING ON THE ELECTRICAL PLAN.
9. NO SIGNS, WITH THE EXCEPTION OF SMALL DIRECTIONAL SIGNS (THESE SIGNS MAY NOT EXCEED (30") IN HEIGHT NOR MORE THAN (4 SQ. FT.) IN AREA), MAY BE LOCATED WITHIN 20' OF A RETIRED TREE OR WITHIN REQUIRED LANDSCAPE ISLANDS.
10. NO BICYCLE RACKS, FIRE HYDRANTS, UTILITY BOXES, TRANSFORMERS OR OTHER SITE APPURTENANCES MAY BE LOCATED IN REQUIRED LANDSCAPE ISLANDS.

TREE ORDINANCE SECTION 8.4.13(D-8)
11. A PERMANENT WATER SOURCE MUST BE WITHIN 100' OF ALL REQUIRED TREES.

TREE ORDINANCE SECTION 8.4.13(D-12)
12. NO NEW UTILITIES (UNDERGROUND OR OVERHEAD) MAY BE LOCATED DIRECTLY ABOVE OR BELOW EXISTING OR PROPOSED TREE LOCATIONS. PROPOSED UTILITIES MUST BE ROUTED AWAY FROM ALL REQUIRED TREES ON THIS SITE.

TREE ORDINANCE SECTION 8.4.13(G)
13. ALL REQUIRED TREES ARE RECOMMENDED TO BE GROWN WITHIN ONE CLIMATIC ZONE OF AUGUSTA, GA.
14. TREES PLANTED FOR CANOPY COVER CREDIT SHALL MEET QUALITY AND SIZE STANDARDS AS DESCRIBED IN THE ASNI Z 60.1 AMERICAN STANDARD FOR NURSERY STOCK DATED 1990 AND PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION, AS OFFICIALLY REVISED AND AMENDED FROM TIME TO TIME. ALL THREES SHALL BE PER IGO LIST.
15. ALL TREES SELECTED FOR PLANTING SHOULD BE OF URBAN TOLERANT SPECIES AND SUITABLE FOR THE SITE CONDITIONS OF PLANTING LOCATION, INCLUDING GROWING SPACE LIMITS, SOIL MOISTURE, SOIL VOLUME, AND CLASSIFIED AS WATER WISE PLANT ONCE ESTABLISHED. ALL TREES SHALL BE PER IGO LIST.
16. ALL REQUIRED TREES SHALL BE NURSERY GROWN, TYPICAL OF THEIR SPECIES OR VARIETY, WITH NORMAL, DENSELY DEVELOPED BRANCHES AND VIGOROUS, FIBROUS ROOT SYSTEMS. TREES SHALL BE SOUND, HEALTHY, VIGOROUS, FREE FROM DEFECTS, FREE FROM DISFIGURING KNOTS, FREE FROM SUN SCALD INJURIES, FROST CRACKS AND/OR ABRASIONS OF THE BARK, AND BE FREE FROM PLANT DISEASES, INSECT EGGS, BORERS, AND ALL FORMS OF INFESTATION. ALL TREES SHALL HAVE A FULLY DEVELOPED FORM WITHOUT VOIDS AND OPEN SPACE. TREES SHALL NOT BE LOOSE IN THE CONTAINER OR ROOT BALL. IT IS RECOMMENDED THAT DUG TREES SHALL HAVE BEEN ROOT PRUNED AT LEAST ONCE.
17. ALL REQUIRED TREES SHALL HAVE STRAIGHT, SINGLES CENTRAL LEADERS. TREES THAT HAVE THE MAIN TRUNK FORMING A "Y" SHAPE ARE NOT ACCEPTABLE. TREES THAT ARE NOT FULLY BRANCHED WILL NOT BE ACCEPTED. TREES SHALL HAVE NO BARK DAMAGE AND SHALL NOT BE LEANING OR HAVE SIGNIFICANT SWEEP, CROOK, OR BEND. TREES SHALL HAVE A MINIMUM 3" CALIPER AND SHALL HAVE NO BRANCH MORE THAN HALF THE DIAMETER OF THE MAIN LEADER AND SHALL A STRAIGHT UNBRANCHED TRUNK TO 6'. TREES SPECIFIED AS "MULTI-STEMMED" SHALL HAVE A MINIMUM OF 3 AND A MAXIMUM OF 5 SEPARATE CANES A MINIMUM OF 1" CALIPER EACH COMING FROM THE ROOT BALL AND PRUNED INTO TREE FORM WITH NO BRANCHES ON THE LOWER HALF OF THE TREE. MULTIPLE PLANTS SHALL NOT BE USED AS A "MULTI-STEMMED" PLANT.
18. ALL REQUIRED TREES SHALL BE SET IN THE PLANTING PIT TO PROPER GRADE AND ALIGNMENT, AND SHALL BE SET UPRIGHT PLUMB AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO OTHER TREES, EACH TREE SHALL BE SET 1-2" ABOVE THE FINISH GRADE AND BACKFILL SHALL BE BROUGHT EVEN WITH THE TOP OF THE ROOT BALL. NO FILL SHALL BE PERMITTED ATOP THE ROOT BALL.
19. ALL BURLAP, ROPES, STRAPS AND WIRES SHALL BE REMOVED FROM THE ROOT BALL. IF IT IS NOT POSSIBLE TO REMOVE THE BURLAP AND WIRE FROM THE BOTTOM OF THE ROOT BALL, THE BURLAP AND WIRE SHALL BE CUT AWAY FROM THE SIDES AND REMOVED FROM THE HOLE.
20. AFTER REQUIRED TREES ARE SET, THE BACKFILL SHALL BE MUDDLED AROUND THE BASE OF THE ROOT BALL AND ALL VOIDS SHALL BE FILLED.
21. ALL REQUIRED TREES SHALL HAVE THEIR PLANTING PITS MULCHED WITH APPROVED MULCHING MATERIAL IMMEDIATELY AFTER PLANTING. THE MULCHED AREAS SHALL BE THOROUGHLY WATERED. NOTE: MULCH SHALL BE PLACED A MAXIMUM THICKNESS OF 3" , NO MULCH WITHIN 8" OF TRUNK OF TREE.
22. IF STAKING AND SUPPORTS HAVE BEEN INSTALLED ON THE REQUIRED TREE(S), ALL STAKING AND SUPPORTS SHALL BE REMOVED AFTER ONE GROWING SEASON.
23. AS A GENERAL RULE, THE FOLLOWING GUIDELINES FOR TREE DIVERSITY WITHIN THE TREE PLANTING SITE AND POPULATION SHOULD BE ADHERED TO: 1) PLANT NO MORE THAN 10% OF ANY SPECIES; NO MORE THAN 20% OF ANY GENUS; AND NO MORE THAN 30% OF ANY FAMILY.

TREE SELECTION NOTES:

1. TREES HEIGHT AND CALIPER SHALL MEET THE REQUIREMENTS SPECIFIED IN THE PLANT SCHEDULE.
2. TREE SHOULD BE UNWRAPPED FOR EXAMINATION. STEMS SHOULD BE WRAPPED FOR SHIPMENT AND INSTALLATION. REMOVE WRAP PROMPTLY.
3. TREE SHOULD HAVE BEEN PROPERLY TARGET PRUNED -NEVER FLUSH CUT, TRIMMED, ROUNDED-OVER, HEDGED, TIPPED OR TOPPED.
4. TREE SHOULD BE FULLY OPEN-GROWN FOR WIND-FIRMNESS.
5. TREE SHOULD HAVE A ROOT BALL SIZE THAT MINIMALLY MEETS NURSERY STANDARDS. STRIVE FOR A ROOT BALL AT 150% OF STANDARD ROOT BALL SIZE. ROOT BALL SHOULD BE LIFTED AND CONTAINED TO MINIMIZE AIR EXPOSURE AND ROOT DAMAGE.
6. TREE SHOULD HAVE BEEN ROOT PRUNED ONE OR MORE TIMES. THE LAST ROOT PRUNING SHOULD HAVE OCCURRED AT LEAST ONE FULL GROWING SEASON BEFORE INSTALLATION.
7. TREE SHOULD HAVE A GOOD CROWN SHAPE AND COLOR (IF EVERGREEN).
8. TREE SHOULD BE ENTIRELY FREE FROM PEST SIGNS AND SYMPTOMS.
9. TREE SHOULD SHOW VIGOROUS AND SUBSTANTIAL GROWTH FOR AT LEAST THE LAST TWO GROWING SEASONS.
10. TREE SHOULD BE CERTIFIED IN WRITING AS TO SCIENTIFIC NAME, VARIETY, AND/OR CULTIVAR NAME.
11. TREE SHOULD HAVE A SINGLE DOMINANT LEADER WITH NO SIDE BRANCHES TALLER THAN THE MAIN LEADER. TREE SHOULD NOT HAVE A FLAT TOP.
12. TREE SHOULD HAVE APPROXIMATELY TWO-THIRDS OF ITS HEIGHT IN LIVING BRANCHES.
13. TREE SHOULD HAVE BRANCHES DISTRIBUTED ALONG THE STEM IN AN ALTERNATING PATTERN AND NOT OCCURRING HORIZONTALLY OPPOSITE EACH OTHER ACROSS THE STEM.
14. TREE SHOULD HAVE NO BASAL, STEM OR MAIN ROOT BASE SCARS.
15. TREE SHOULD HAVE NO STUB OR TIP CUTTING WOUNDS.
16. TREE SHOULD NOT HAVE ANY VISIBLE BRANCH STUBS OR INTERNODAL CUTS PRESENT.
17. TREE SHOULD HAVE NO FORKS OR DEAD LEADERS EVEN ON OPPOSITE BRANCHING SPECIES.
18. TREE SHOULD HAVE NO BARK DAMAGE.
19. TREE SHOULD NOT HAVE BEEN STAKED IN THE NURSERY.
20. TREE SHOULD NOT HAVE BEEN TREATED AT ANY TIME WITH WOUND PAINT.
21. TREES SHOULD NOT HAVE ALL BRANCHES GROWING FROM A SINGLE AREA ON THE STEM (CLUSTERED OR CROWNED). TREES WITH BRANCHES NORMALLY GROWING IN WHORLS SHOULD HAVE ONLY 3-4 BRANCHES PER WHORL.
22. TREE SHOULD NOT APPEAR "LEGGY" OR EXCESSIVELY SLENDER. TREE MUST STAND ON ITS OWN AND RESIST WIND DEFLECTION.
23. TREE SHOULD HAVE NO NARROW CROTCHES WITH INCLUDED BARK.
24. TREE SHOULD HAVE NO SIDE BRANCHES TALLER THAN THE MAIN LEADER.
25. TREE SHOULD NOT BE LEANING OR HAVE SIGNIFICANT SWEEP, CROOK OR BEND.
26. TREE SHOULD HAVE NO BRANCH MORE THAN ONE-HALF THE DIAMETER OF THE MAIN LEADER.
27. TREE SHOULD NOT HAVE BASAL SPROUTS OR FIRST-YEAR STEM SPROUTS.
28. TREE SHOULD NOT HAVE SPROUTS FROM AROUND WOUND AREAS OR BRANCH BASES.
29. TREE SHOULD NOT HAVE VERTICAL CRACK CLOSURES OVER OLD WOUNDS. PROPER PRUNING WOUND CLOSURES SHOULD BE CIRCULAR.
30. TREE SHOULD NOT HAVE BRANCHES THAT CROSSOVER EACH OTHER OR RUB AGAINST EACH OTHER.
31. TREE SHOULD NOT HAVE BRANCHES GROWING UPWARD INSIDE THE CROWN.
32. TREE SHOULD NOT HAVE LARGE ROOTS CUT CLOSE TO THE ROOT CROWN/STEM BASE.

LANDSCAPE INSTALLATION NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
2. THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON ALL DRAWINGS.
3. ALL MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARDS FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
4. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING IS COMPLETE AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT OR EQUAL.
5. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING.
6. ALL PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIAL MADE OF SYNTHETIC OR PLASTICS SHALL BE REMOVED AT THE TIME OF PLANTING.
7. PRIOR TO PLANTING, THE LOCATION OF TREES SHALL BE STAKED AND ALL PLANT MATERIAL SHALL BE INSPECTED FOR APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT OR EQUAL. NO PLANT MATERIAL WILL BE ACCEPTED IF IT IS DAMAGED, DISEASED OR INADEQUATE IN SIZE AS SPECIFIED ON PLANS. SUBSTITUTIONS DUE TO AVAILABILITY MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
8. PRUNE OUT ANY TALL SHOOTS, DEAD WOOD OR SUCKERS.
9. ALL PLANTS SHALL BE INSTALLED AS PER DETAILS.
10. THE LANDSCAPE CONTRACTOR SHALL PROVIDE FERTILIZER, PRE-EMERGENT HERBICIDE, LIME, TOPSOIL AND PLANTING MIXTURE AS PER THE PLANTING SOIL MIX NOTE.
11. BEDLINES SHALL HAVE A 3" DEEP SHOVEL CUT TRENCH EDGE WHERE MULCH MEETS GRASS, CONCRETE WALKS OR CURBS UNLESS OTHERWISE SPECIFIED. BEDLINES SHALL BE SMOOTH AND CONTINUOUS AND BE WITHIN A REASONABLE LOCATION AND SHAPE AS ILLUSTRATED ON PLANS.
12. ALL PLANTING AREAS SHOULD HAVE POSITIVE DRAINAGE TO DISCOURAGE SATURATED ROOT SYSTEMS.
13. PLACE 3" OF DYE-FREE DOUBLE HAMMERED HARDWOOD MULCH OVER ALL PLANTING BEDS; TUCK MULCH UNDER PLANTS AND INTO BEDLINE TRENCHES PER PLAN SPECIFICATIONS. DO NOT COVER ROOT FLARES WITH MULCH.
14. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR CLEAN UP OF ALL CONTAINERS, PLANT TAGS AND RIBBONS, PALLETS, DEBRIS, ETC. RESULTING FROM HIS OR HER WORK.
15. ALL MULCH RINGS SHALL BE 6' DIAMETER.
16. ALL AREAS TO BE GRASSED SHALL BE SEEDED OR SODDED PER THE PLANT SCHEDULE AND THE PERMANENT GRASSING NOTE.

IRRIGATION SPECIFICATIONS:

1. CONTRACTOR SHALL DESIGN AND INSTALL AN IRRIGATION SYSTEM FOR 100% COVERAGE OF ALL NEW TREES, SHRUBS, GROUNDCOVER AND SOD. A SHOP DRAWING OF THE PROPOSED SYSTEM LAYOUT AND PROPOSED EQUIPMENT SCHEDULE MUST BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.
2. ALL IRRIGATION EQUIPMENT SHALL BE MANUFACTURED BY RAINBIRD INC. OR APPROVED EQUAL.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING WATER PRESSURE AND AVAILABLE VOLUME FOR MINIMUM MANUFACTURED SPECIFIED WORKING PRESSURE BEFORE WORKING IRRIGATION SYSTEM.
4. CONTRACTOR SHALL SUPPLY POWER TO CONTROLLER UTILIZING NEAREST EXISTING POWER SUPPLY. CONTRACTOR SHALL CONSULT WITH OWNER AS TO THE LOCATION AND PLACEMENT OF THE CONTROLLER.
5. CONTRACTOR WILL INSTALL HEADS AND NOZZLES THAT WILL LIMIT THE AMOUNT OF WATER THROWN ON IMPERVIOUS SURFACES AND STILL MAINTAIN 100% COVERAGE OF PLANTED AREAS WITHIN THE IRRIGATION LIMITS. WATER OVERSPRAY ONTO IMPERVIOUS SURFACES MUST BE MINIMIZED TO THE GREATEST EXTENT POSSIBLE. IRRIGATION WATER MUST BE DIRECTED AWAY FROM BUILDINGS & OTHER STRUCTURES.
6. CONTRACTOR SHALL LOCATE ALL UTILITIES BEFORE IRRIGATION INSTALLATION BEGINS.
7. NO IRRIGATION WATER SHALL BE THROWN ON BUILDING MASONRY. NO FUNNY PIPE OR OTHER FLEXIBLE PIPE CAN BE USED FOR SUPPLY OR FEEDER LINES. NO STATIONARY RISERS CAN BE USED.
8. ALL PLASTIC PIPE FROM SIZES 4" AND ABOVE SHALL BE CLASS 200, SDR 21, UNPLASTICIZED RIGID PVC PIPE WITH INTEGRAL BELL AND RUBBER RING GASKET UNLESS OTHERWISE SPECIFIED. PIPE FROM SIZES 3" TO 3/4" SHALL BE CLASS 200, SOLVENT WELD, PVC PIPE. 1/2" PIPE SHALL BE CLASS 200, SOLVENT WELD, PVC PIPE. ALL PIPE SHALL BE SUPPLIED IN 20' STANDARD LENGTHS AND SHALL BE MANUFACTURED BY CERTAINTEED CORP., CRESTLINE, DURA, OR EQUAL. ALL PIPE THAT IS EXPOSED OR NOT BELOW GRADE SHALL BE SCHEDULE 80 PVC. ALL DRIP IRRIGATION SUPPLY LINES NOT IN LANDSCAPE BEDS SHALL BE BELOW GRADE.
9. ALL IN-GROUND WIRE CONNECTIONS MUST BE MADE WITH 3M-DBY WIRE CONNECTIONS OR APPROVED EQUAL.
10. CONTROLLER SHALL BE BY RAIN BIRD OR APPROVED EQUAL. CONTROLLER SHALL INCLUDE RAIN SENSOR. CONTROLLER SHALL BE WEATHER TIGHT CONSTRUCTION.
11. ALL CONTROL VALVES MUST BE BRASS OR SCHD. 80 PVC WITH A SCHD. 80 ISOLATION VALVE AT EACH CONTROL VALVE.
12. VALVES IN BOXES MUST BE EASILY ACCESSIBLE AND INSTALLED WITH 8" DRAINAGE ROCK IN BOTTOM.
13. ALL VALVE BOXES SHALL BE SET LEVEL WITH FINISHED GRADE.

PERMANENT GRASSING NOTE:

NOTE: ALL AREAS TO BE SODDED SHALL RECEIVE 3" OF SCREENED TOPSOIL. TOP SOIL SHALL BE RAKED LEVEL AND FREE OF DEBRIS PRIOR TO SOD INSTALLATION. ALL AREAS TO BE SEEDED WILL RECEIVE 2" OF SCREENED TOP SOIL. TOP SOIL WILL BE RAKED LEVEL AND FREE OF DEBRIS PRIOR TO SEEDING. ALL SODDED AREAS WILL BE TOP DRESSED WITH COARSE SAND TO LEVEL IRREGULARITIES AND PROTECT SOD SEAMS. ALL NEWLY GRASSED AREAS SHALL RECEIVE 1.5" OF ABSORBED WATER EACH WEEK THROUGH CONSTRUCTION AND THE 90 DAY MAINTENANCE PERIOD.

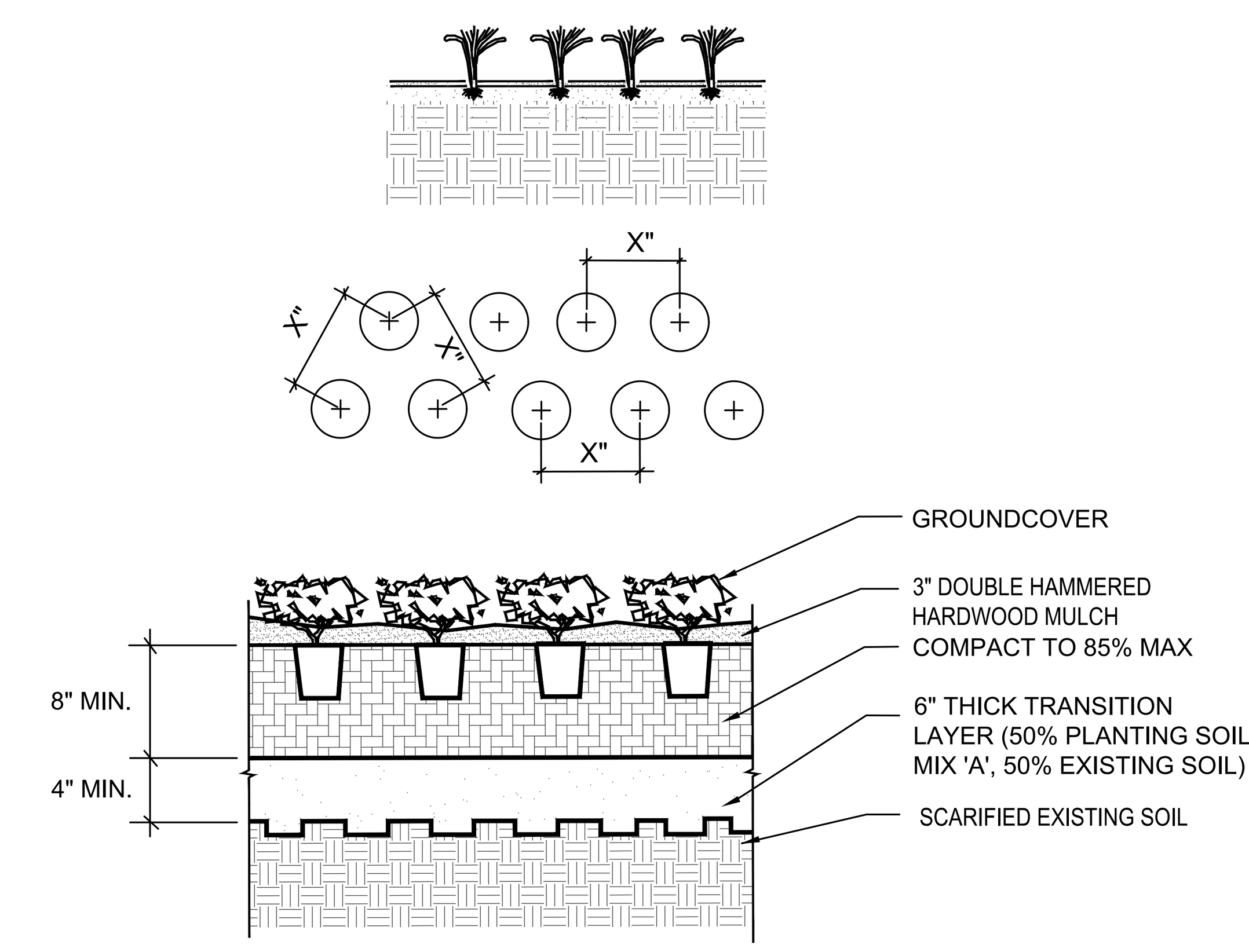
OTHER THAN THE DETENTION BASIN FLOOR ALL AREAS NOT RECEIVING SOD SHALL BE PERMANENTLY GRASSED WITH COMMON BERMUDA SEED AT A RATE OF 50 LBS PER ACRE. ALL SEEDED AREAS SHALL RECEIVE WHEAT STRAW MULCH AT 2 TONS PER ACRE. SLOPED AREAS SHALL HAVE BIODEGRADABLE EROSION CONTROL BLANKETS INSTALLED WITH SOD STAPLES OR SIMILAR FASTENING METHOD. SEE GRASSING, FERTILIZATION, AND MULCH NOTE FOR ADDITIONAL INSTRUCTIONS ON SHEET C-505 (SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS).

PLANTING SOIL MIX NOTE

1. PLANTING SOIL SHALL BE A MIXTURE OF APPROVED TOPSOIL, SAND, AND ORGANIC MATERIAL MIXED TO MEET THE FOLLOWING SPECIFICATION.
2. PARTICLE SIZE DISTRIBUTION ACCORDING TO U.S.D.A. PARTICLE CLASSIFICATIONS:

PARTICLE	SIZE (MM)	ALLOWABLE LIMIT
GRAVEL	>4.75	MAX. 3%
FINE GRAVEL	2.00-4.75	MAX. 10%
VERY COARSE SAND	1.00-2.00	
COARSE SAND+	0.50-1.00	COMBINED
MEDIUM SAND	0.25-0.50	50-75%
FINE SAND	0.1-0.25	5-15%
VERY FINE SAND	0.05-0.10	0-10%
SILT	0.002-0.05	10-20%
CLAY	<0.002	10-20%

3. THE U.S.D.A. SOIL TEXTURE CLASS SHALL BE A SANDY LOAM, WITH NO MORE THAN 75% SAND AND NO MORE THAN 35% COMBINED SILT+CLAY.
4. THE ORGANIC MATTER SHALL BE 5-8%.
5. DEPTH OF MIX AS INDICATED ON DRAWINGS.



NOTES:
1. SEE PLANT SCHEDULE FOR SPACING REQUIREMENTS.
2. REMOVE CONTAINER GROWN PLANTS FROM THEIR CONTAINER AND CUT ANY CIRCLING ROOTS.

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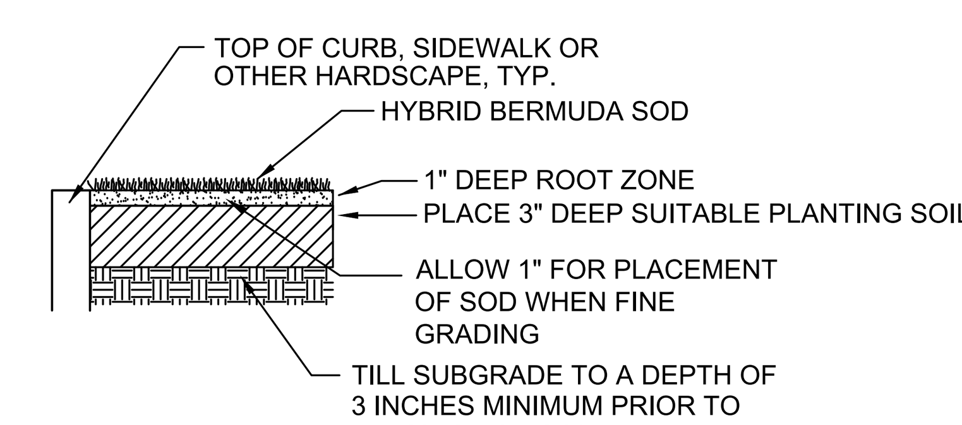
GROUNDCOVER PLANTING DETAIL

NOT TO SCALE



NOTES:
1) GRASS AREAS SHALL HAVE POSITIVE SLOPE AND DRAIN AT 2% MINIMUM
2) EXCAVATE SOD AREAS TO ALLOW REQUIRED DEPTHS OF TOPSOIL AND MATCH FINISHED GRADES

INSTALLATION NOTES:
1) MOISTEN TOP SOIL IMMEDIATELY PRIOR TO INSTALLING SOD
2) INSTALL SOD AND TOP DRESS AS REQUIRED
3) THOROUGHLY WATER SOD IMMEDIATELY AFTER INSTALLATION

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SOD INSTALLATION DETAIL

NOT TO SCALE

Since 1980
Architects • Engineers • Landscape Architects
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
AUGUSTA, GA • CHARLESTON, SC
TEL (706) 724-5756 • TEL (843) 619-4656
FAX (706) 724-3955
WWW.THEJLAGROUP.COM

CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT No. LA001874 4-29-25 JILLIAN NOELLE READY

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024

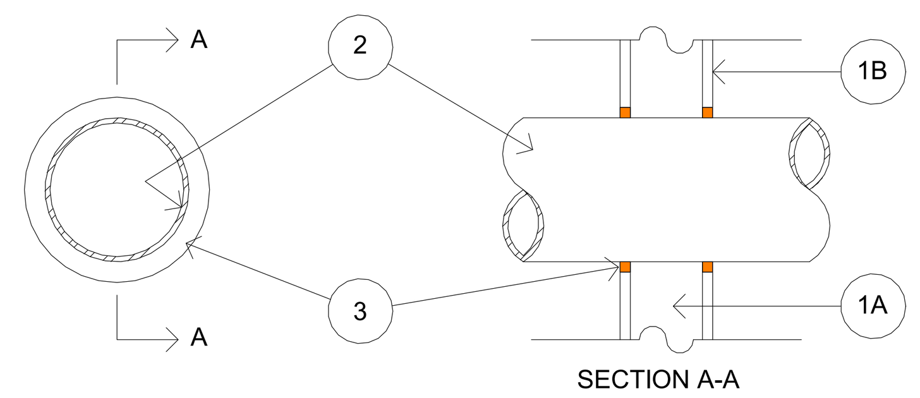
SHEET TITLE : **LANDSCAPE NOTES & DETAILS**

SCALE: AS SHOWN

DRAWING NO. **L-201** REV. **A**

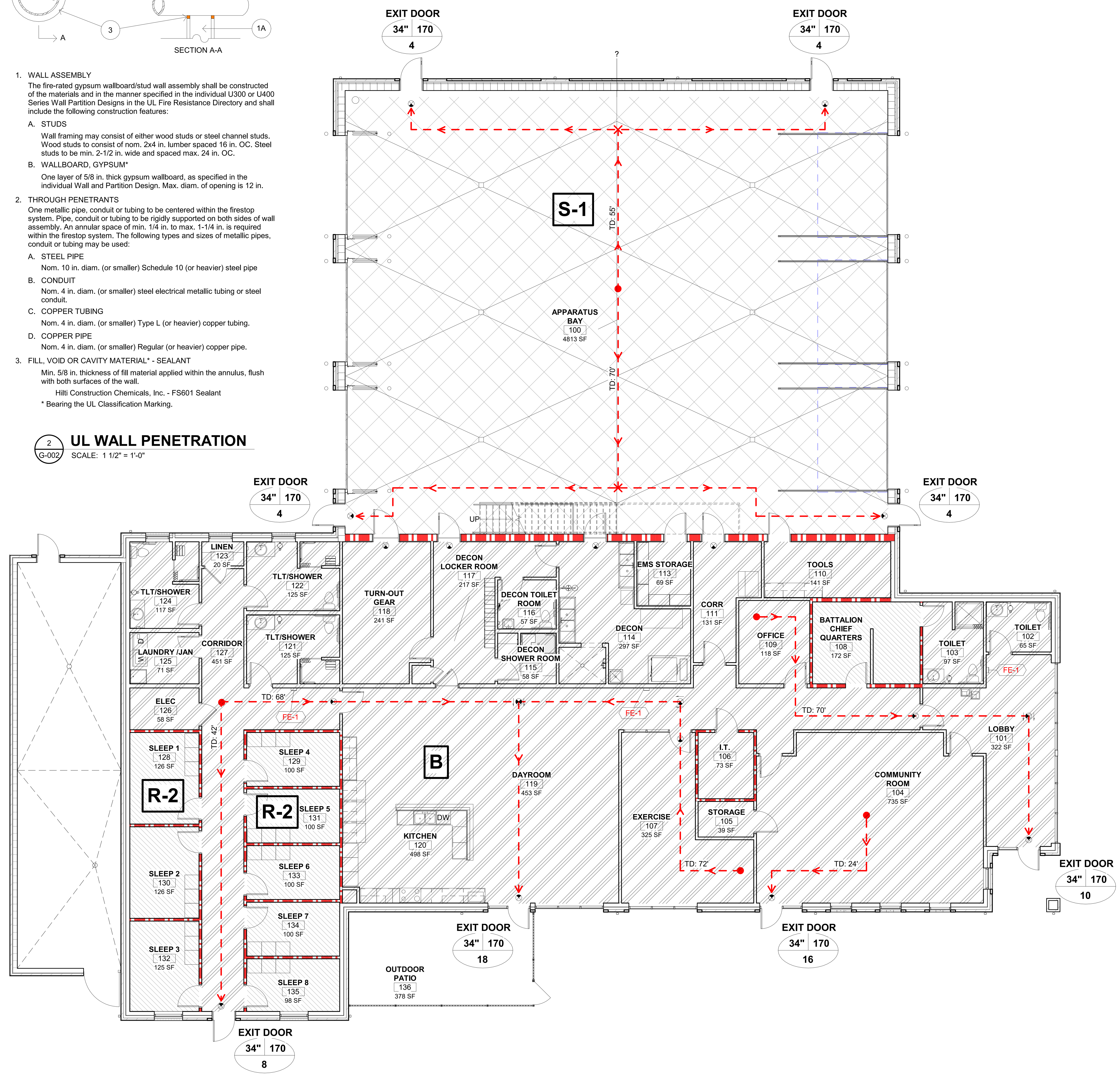
ISSUED FOR BID / PERMIT

U.L. System No. WL1052
F Rating - 1 HR.
T Rating - 0 HR.



1. WALL ASSEMBLY
   The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. STUDS
      Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom. 2x4 in. lumber spaced 16 in. OC. Steel studs to be min. 2-1/2 in. wide and spaced max. 24 in. OC.
   B. WALLBOARD, GYPSUM*
      One layer of 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design. Max. diam. of opening is 12 in.
2. THROUGH PENETRANTS
   One metallic pipe, conduit or tubing to be centered within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. An annular space of min. 1/4 in. to max. 1-1/4 in. is required within the firestop system. The following types and sizes of metallic pipes, conduit 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 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. thickness of fill material applied within the annulus, flush with both surfaces of the wall.
   Hilti Construction Chemicals, Inc. - FS601 Sealant
   * Bearing the UL Classification Marking.

2 (G-002) UL WALL PENETRATION
SCALE: 1 1/2" = 1'-0"



1 (G-002) LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

CODE ANALYSIS

MINIMUM STANDARD CODES

IBC - INTERNATIONAL BUILDING CODE	2018 EDITION W/ GEORGIA AMENDMENTS
IFGC - INTERNATIONAL FUEL GAS CODE	2018 EDITION W/ GEORGIA AMENDMENTS
IMC - INTERNATIONAL MECHANICAL CODE	2018 EDITION W/ GEORGIA AMENDMENTS
IPC - INTERNATIONAL PLUMBING CODE	2018 EDITION W/ GEORGIA AMENDMENTS
NATIONAL ELECTRICAL CODE	2017 EDITION
INTERNATIONAL FIRE CODE	2018 EDITION W/ GEORGIA AMENDMENTS
INTERNATIONAL ENERGY CONSERVATION CODE	2015 EDITION W/ GEORGIA AMENDMENTS
ADA STANDARDS FOR ACCESSIBLE DESIGN	2010 EDITION W/ GEORGIA AMENDMENTS
NFPA - 101 LIFE SAFETY CODES	2018 EDITION W/ GEORGIA AMENDMENTS

REVIEW PER DESIGN

NON SEPARATED OCCUPANCY (IBC CHAPTER 3, NFPA 101 CHAPTER 6)
IBC **B** NFPA **BUSINESS**

TYPE OF CONSTRUCTION (IBC CHAPTER 6, NFPA 101 CHAPTER 6)
IBC **VB** NFPA **V (000)**
SPRINKLER REQUIRED (IBC CHAPTER 9, NFPA CHAPTER 7) SPRINKLER PROVIDED
YES ___ NO _X_ LESS THAN 300 OCCUPANTS YES **X** NO ___

BUILDING FLOOR AREA ALLOWED PER FLOOR (IBC TABLE 503 & SECTION 506.4)
1ST FLOOR ALLOWED **14,000 SF** BY DESIGN **12,469 SF**
TOTAL ALLOWED **14,000 SF** BY DESIGN **12,469 SF**

BUILDING HEIGHT (IBC TABLE 503)
HEIGHT ALLOWED 60'-0" 3 STORIES
HEIGHT BY DESIGN 24'-0" TO RIDGE OF ROOF 1 STORY

OCCUPANT LOAD (IBC SECT. 1004 & TABLE 1004.1.2, NFPA T-7.3.1.2) =
BUSINESS (B) - 5,710 SF / 100SF PER PERSON = 58 OCCUPANTS
RESIDENTIAL (R-2) - 1,071 SF / 200SF PER PERSON = 6 OCCUPANTS
STORAGE (S-2) - 4,741 SF / 300SF PER PERSON = 16 OCCUPANTS
TOTAL = 80 OCCUPANTS

REQUIRED MEANS OF EGRESS
PER NFPA 101: 80 PEOPLE * .2" PER PERSON = 16"
EGRESS CAPACITY PROVIDED: 8 * 34" = 272"

TRAVEL DISTANCES

COMMON PATH	(IBC 1014.3, NFPA T-A7.6)	75 FT
DEAD END	(IBC 1018.4, NFPA T-A7.6.)	20 FT
TRAVEL DISTANCE	(IBC T-1016.2, NFPA A7.6.1)	200 FT

FIRE RESISTANCE RATING REQUIRED (IBC TABLE 601, NFPA TABLE A-8-2.1.2)

STRUCTURAL FRAME ***including columns, girders and trusses	IBC 0 HR	NFPA 0 HR
BEARING WALLS		
EXTERIORS	IBC 0 HR	NFPA 0 HR
INTERIORS	IBC 0 HR	NFPA 0 HR
NONBEARING WALLS & PARTITIONS		
EXTERIORS	IBC 0 HR	NFPA 0 HR
INTERIORS	IBC 0 HR	NFPA 0 HR
FLOOR CONSTRUCTION ***including supporting beams & joists	IBC 0 HR	NFPA 0 HR
ROOF CONSTRUCTION ***including supporting beams & joists	IBC 0 HR	NFPA 0 HR

REQUIRED SEPARATION OF OCCUPANCIES (IBC T-508.4, NFPA T-6.1.14.4.1)

NON SEPARATED OCCUPANCIES	IBC 0 HR	NFPA 0 HR

LIFE SAFETY PLAN LEGEND

EGRESS TRAVEL PATH: DISTANCE NOTED IS ACTUAL.	RESIDENTIAL: R-2
Room name 101 — ROOM NAME & NUMBER; 150 SF — ROOM AREA	
EXIT DOOR 68" 340 299 — EXIT CAPACITY (DOOR EGRESS WIDTH / 0.2); ANTICIPATED LOAD; EGRESS WIDTH	STORAGE: S-1
F.E.-1 — FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER	
EXIT SIGN	BUSINESS: B
1 HR RATED WALL UL U465 - METAL STUD	
2 HR RATED WALL UL U905 - CMU WALL	

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JNA
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:
CODE ANALYSIS / LIFE SAFETY PLAN

SCALE: AS NOTED
DRAWING NO. G-002 REV. A

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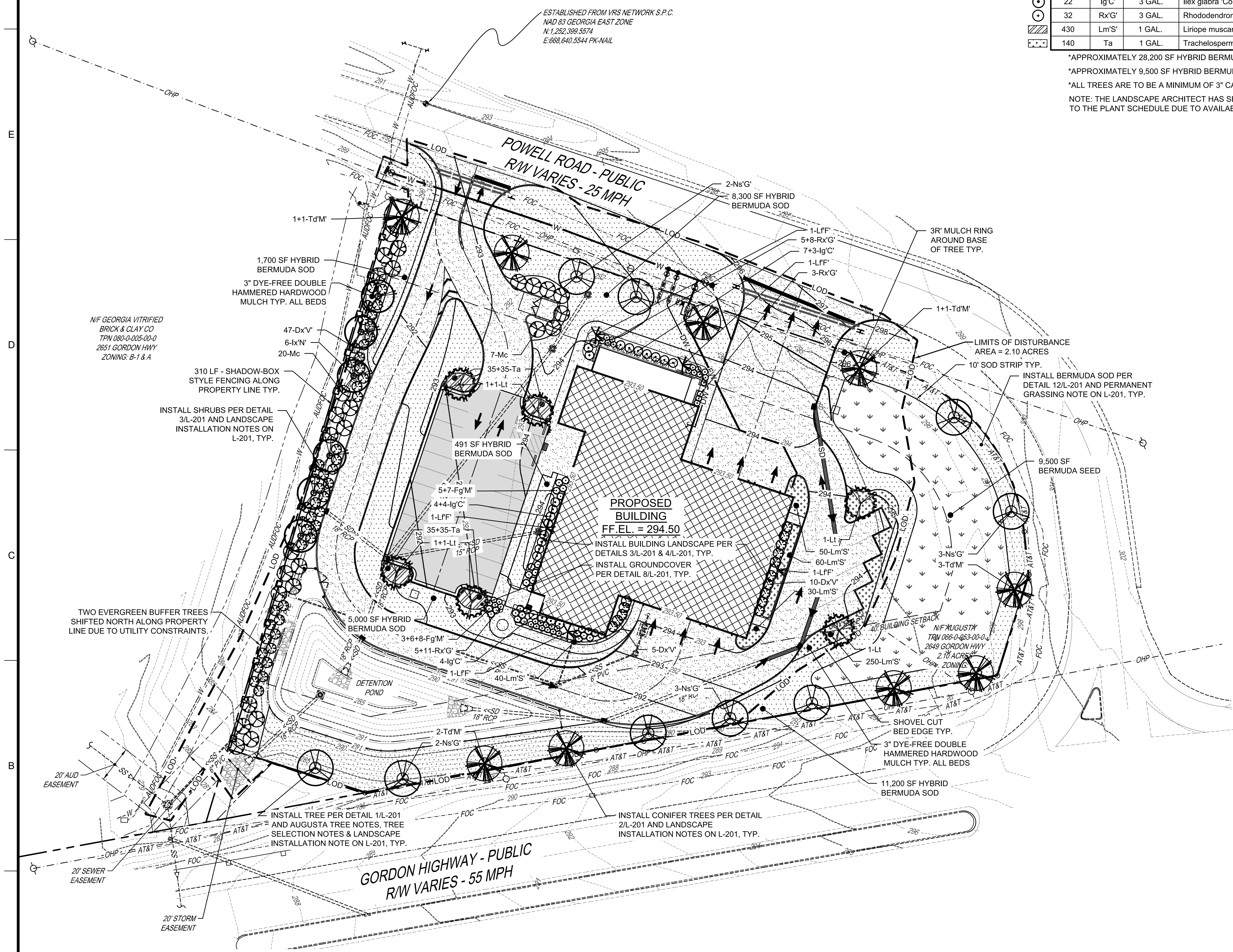

PLANT SCHEDULE

CONTRACTOR RESPONSIBLE FOR THEIR OWN QUANTITY TAKE-OFFS

COUNT	SYMB.	SIZE	BOTANICAL NAME	COMMON NAME	HEIGHT	SPACING	TREE PTS.	TOTAL
5	Lf'F'	3" CAL.	Lagerstroemia faurei 'Fantasy'	Fantasy Crepe Myrtle	10'-12'	AS SHOWN	300 SF	1,500 SF
6	Lt	3" CAL.	Liriodendron tulipifera	Tulip Poplar	10'-12'	AS SHOWN	1400 SF	8,400 SF
9	Ns'G'	3" CAL.	Nyssa sylvatica 'Green Gable'	Green Gable Black Gum	10'-12'	AS SHOWN	1400 SF	12,600 SF
9	Td'M'	3" CAL.	Taxodium distichum 'Shawnee Brave'	Shawnee Brave Bald Cypress	10'-12'	AS SHOWN	1400 SF	12,600 SF
6	Ix'N'	7 GAL.	Ilex x 'Nellie R. Stevens'	Nellie R. Stevens Holly Tree	FULL	AS SHOWN	750 SF	4,500 SF
27	Mc	7 GAL.	Myrica cerifera	Southern Wax Myrtle	FULL	AS SHOWN	--	--
62	Dx'V'	3 GAL.	Distylium x 'Vintage Jade'	Distylium x 'Vintage Jade'	FULL	AS SHOWN	--	--
29	Fg'M'	3 GAL.	Fothergilla gardenii 'Mt. Airy'	Dwarf Fothergilla	FULL	AS SHOWN	--	--
22	Ig'C'	3 GAL.	Ilex glabra 'Compacta'	Compact Inkberry	FULL	AS SHOWN	--	--
32	Rx'G'	3 GAL.	Rhododendron x 'Gumpo Pink'	Gumpo Pink Azalea	FULL	AS SHOWN	--	--
430	Lm'S'	1 GAL.	Liriope muscari 'Super Blue'	Super Blue Mondo Grass	FULL	24" O.C.	--	--
140	Ta	1 GAL.	Trachelospermum asiaticum	Asiatic Jasmine	FULL	24" O.C.	--	--
							TOTAL	39,600 SF

*APPROXIMATELY 28,200 SF HYBRID BERMUDA SOD *CONTRACTOR IS RESPONSIBLE FOR HIS OR HER OWN TAKE OFFS

*APPROXIMATELY 9,500 SF HYBRID BERMUDA SEED *CONTRACTOR IS RESPONSIBLE FOR HIS OR HER OWN TAKE OFFS

*ALL TREES ARE TO BE A MINIMUM OF 3" CALIPER, 8' IN HEIGHT AND UNBRANCHED TO 6'

NOTE: THE LANDSCAPE ARCHITECT HAS SELECTED PLANT VARIETIES WHICH ATTAIN SPECIFIC SIZES. ANY PROPOSED SUBSTITUTIONS TO THE PLANT SCHEDULE DUE TO AVAILABLE SUPPLY MUST BE APPROVED BY THE PROJECT LANDSCAPE ARCHITECT.

MINIMUM CANOPY REQUIREMENT

ALL LAND UNDERGOING DEVELOPMENT SHALL PROVIDE FOR THIRTY PERCENT (30%) MINIMUM TREE CANOPY COVERAGE. TREE CANOPY COVERAGE IS THE SUM TOTAL OF PRESERVED TREES AND REPLACEMENT TREES AT THEIR ANTICIPATED CANOPY COVERAGE TEN (10) YEARS FROM THE TIME THAT THE SITE IS DEVELOPED.

TOTAL DISTURBED AREA: 2.29 ACRES (99,752 SF)

REQUIRED MINIMUM CANOPY: 99,752 x 0.3 = 29,925 SF (.69 ACRES)

TOTAL PRESERVED TREE CANOPY: 0 SF (0 ACRES)

ADDITIONAL CANOPY REQUIRED: 29,925 - 0 = 29,925 SF (.69 ACRES)

1 LARGE TREE= 1400 SF
1 MEDIUM TREE= 750 SF
1 SMALL TREE= 300 SF

24 LARGE TREES PROVIDED= 33,600 SF
6 MEDIUM TREES PROVIDED= 4,500 SF
5 SMALL TREES PROVIDED= 1,500 SF
TOTAL= 39,600 SF

BUFFER REQUIREMENTS

BUFFER STRIP TREES

1 TREE/ 45 L.F. OF TOTAL LOT CONNECTION
310 LF - REQUIRES 7 LARGE/MEDIUM EVERGREEN TREES
7 TREES PROVIDED (SHIFTED ALONG LOT CONNECTION DUE TO SANITARY SEWER CONSTRAINTS)
310 LF - SHADOWBOX STYLE FENCE PROVIDED

TREE ORDINANCE REQUIREMENTS

LANDSCAPE STRIP TREES

1 TREE/ 45 L.F. OF TOTAL LOT FRONTAGE (GORDON HWY.)
425 LF - REQUIRES 9 LARGE TREES
9 LARGE TREES PROVIDED
1 TREE/ 45 L.F. OF TOTAL LOT FRONTAGE (POWELL RD.)
409 LF - REQUIRES 9 LARGE TREES
9 LARGE TREES PROVIDED

PARKING LOT TREES

1 TREE/ 3000 S.F. OF TOTAL PARKING LOT SURFACE AREA
(NO PARKING SPACE IS MORE THAN 65' FROM THE TRUNK OF ANY PROPOSED TREE)
10,000 SF - REQUIRES 3 LARGE OR MEDIUM TREES
- 4 LARGE OR MEDIUM TREES PROVIDED ON SITE

UTILITY WARNING:
The underground utilities shown have been located from field survey information and existing drawings. The engineer makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The engineer further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The engineer has not physically located the underground utilities.

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1 / L-101 LANDSCAPE PLAN

GRAPHIC SCALE
30' 15' 0 30' 60'
SCALE: 1" = 30'

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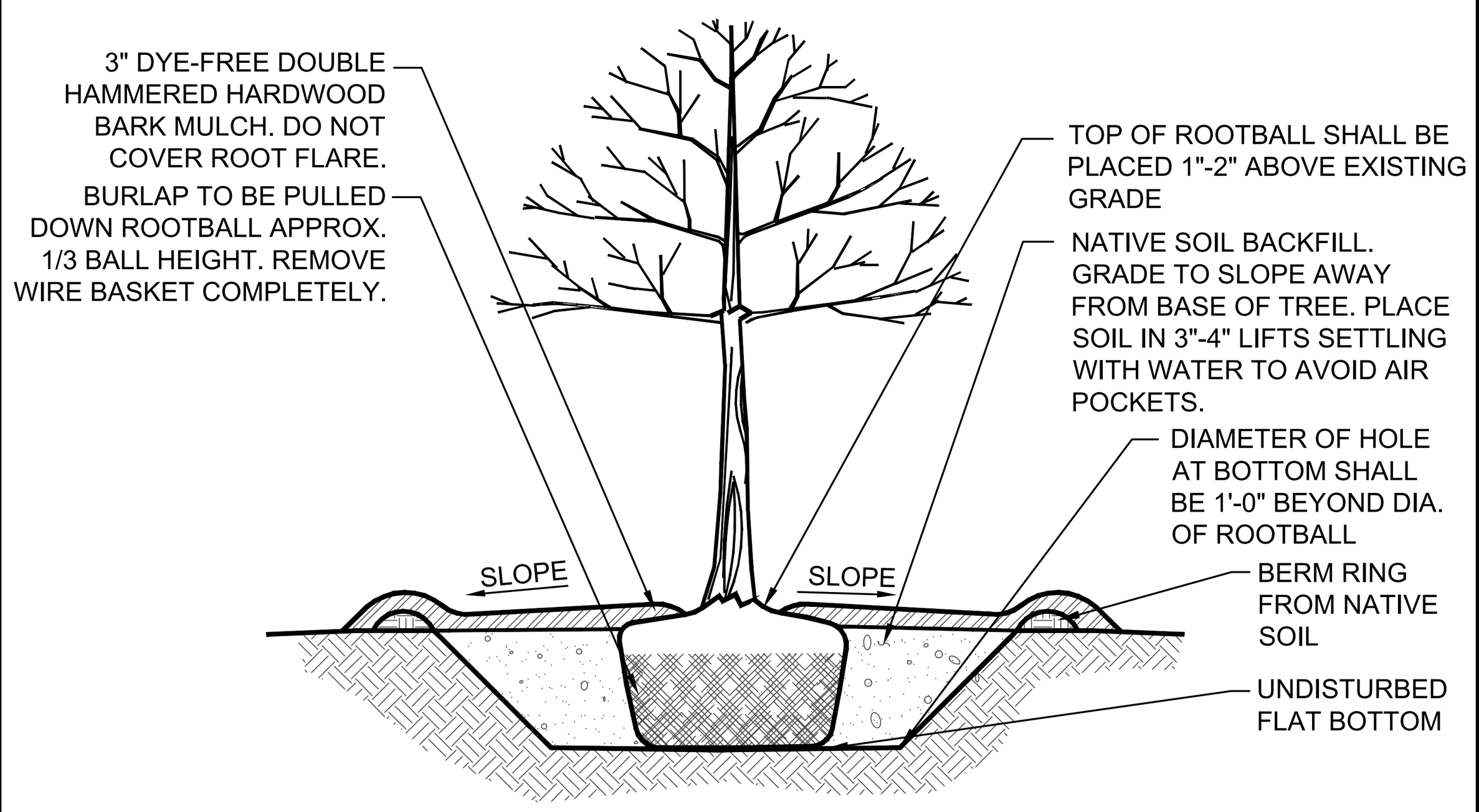
GEORGIA REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT No. LA001874 JILLIAN NOELLE READY 4-29-25

GEORGIA CERTIFICATE OF AUTHORIZATION JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

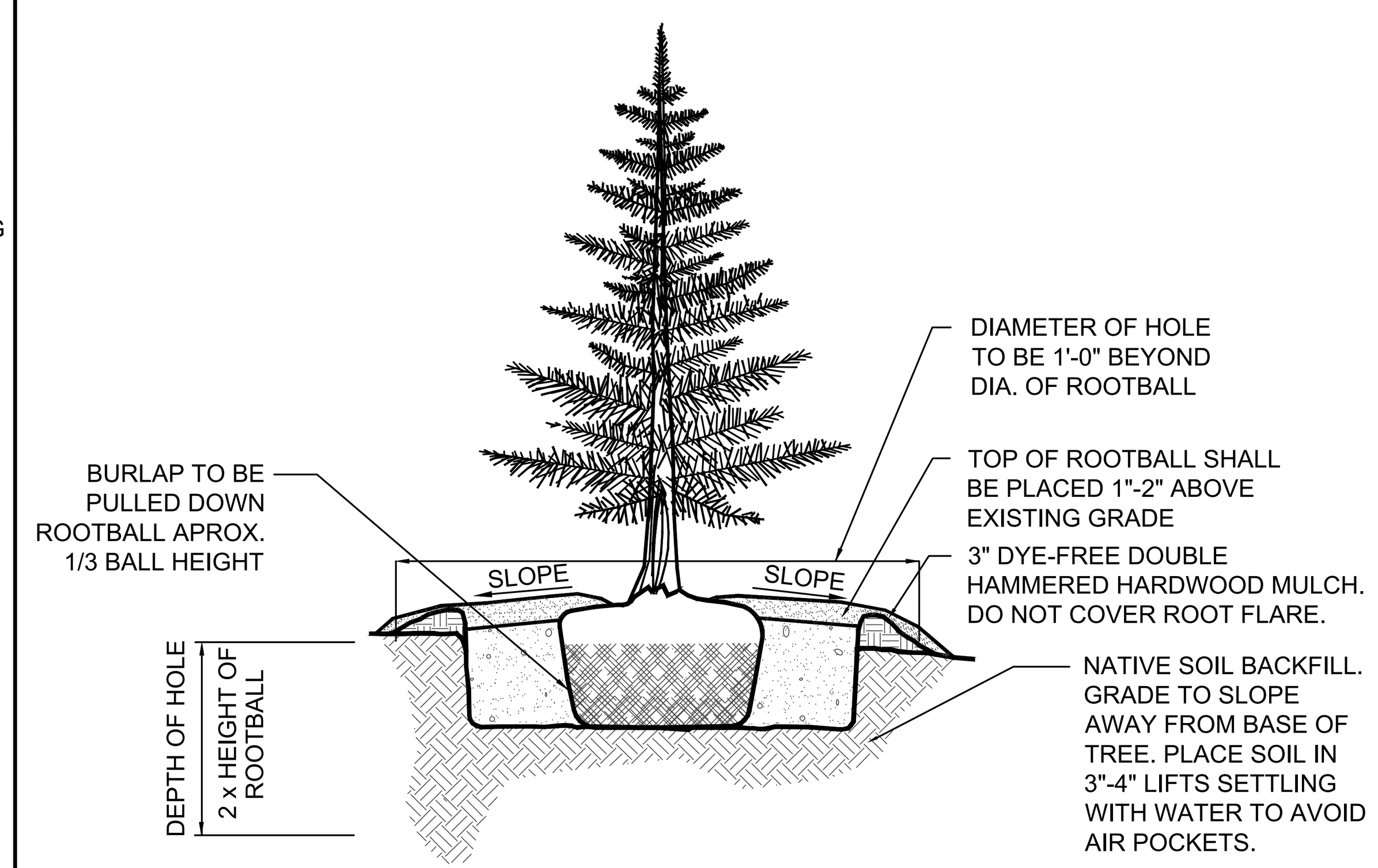
PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024
SHEET TITLE :	LANDSCAPE PLAN
SCALE:	1" = 30'
DRAWING NO.	L-101
REV.	A

ISSUED FOR BID / PERMIT



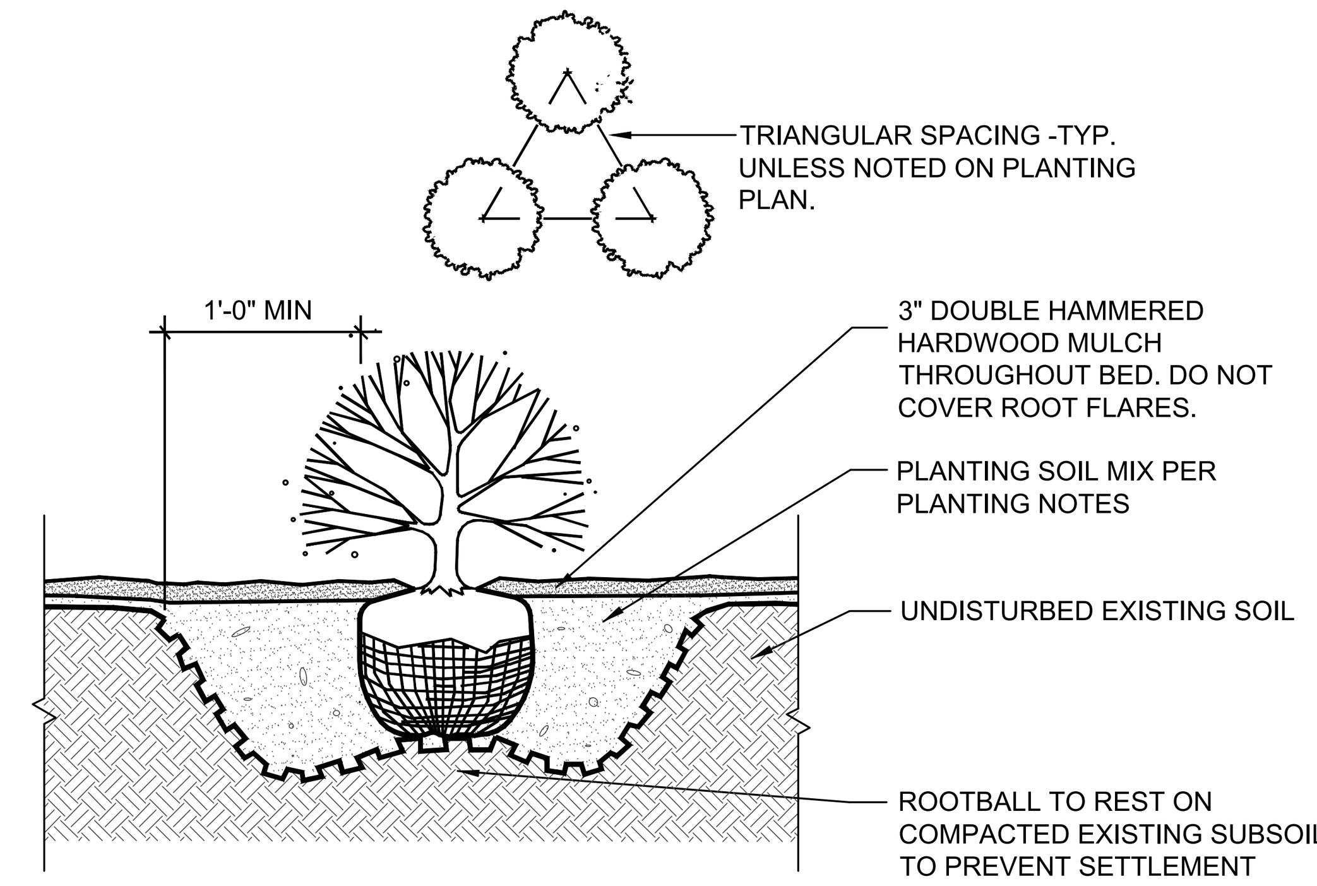
NOTES:
1. MIN. ROOT MASS TO BE IN ACCORDANCE WITH "AMERICAN STANDARDS FOR NURSERY STOCK"
2. DO NOT ALLOW ROOT BALL TO DRY OUT DURING INSTALLATION PROCESS.
3. NOTE COMPASS ORIENTATION OF TREE PRIOR TO DIGGING AND MATCH PRIOR ORIENTATION AT INSTALLATION.
4. WATER THOROUGHLY AFTER PLANTING

1 L-201 **TYP. TREE PLANTING DETAIL**
NOT TO SCALE



NOTES:
1. MIN. ROOT MASS TO BE IN ACCORDANCE WITH "AMERICAN STANDARDS FOR NURSERY STOCK"
2. DO NOT ALLOW ROOT BALL TO DRY OUT DURING INSTALLATION PROCESS.
3. NOTE COMPASS ORIENTATION OF TREE PRIOR TO DIGGING AND MATCH PRIOR ORIENTATION AT INSTALLATION.
4. WATER THOROUGHLY AFTER PLANTING

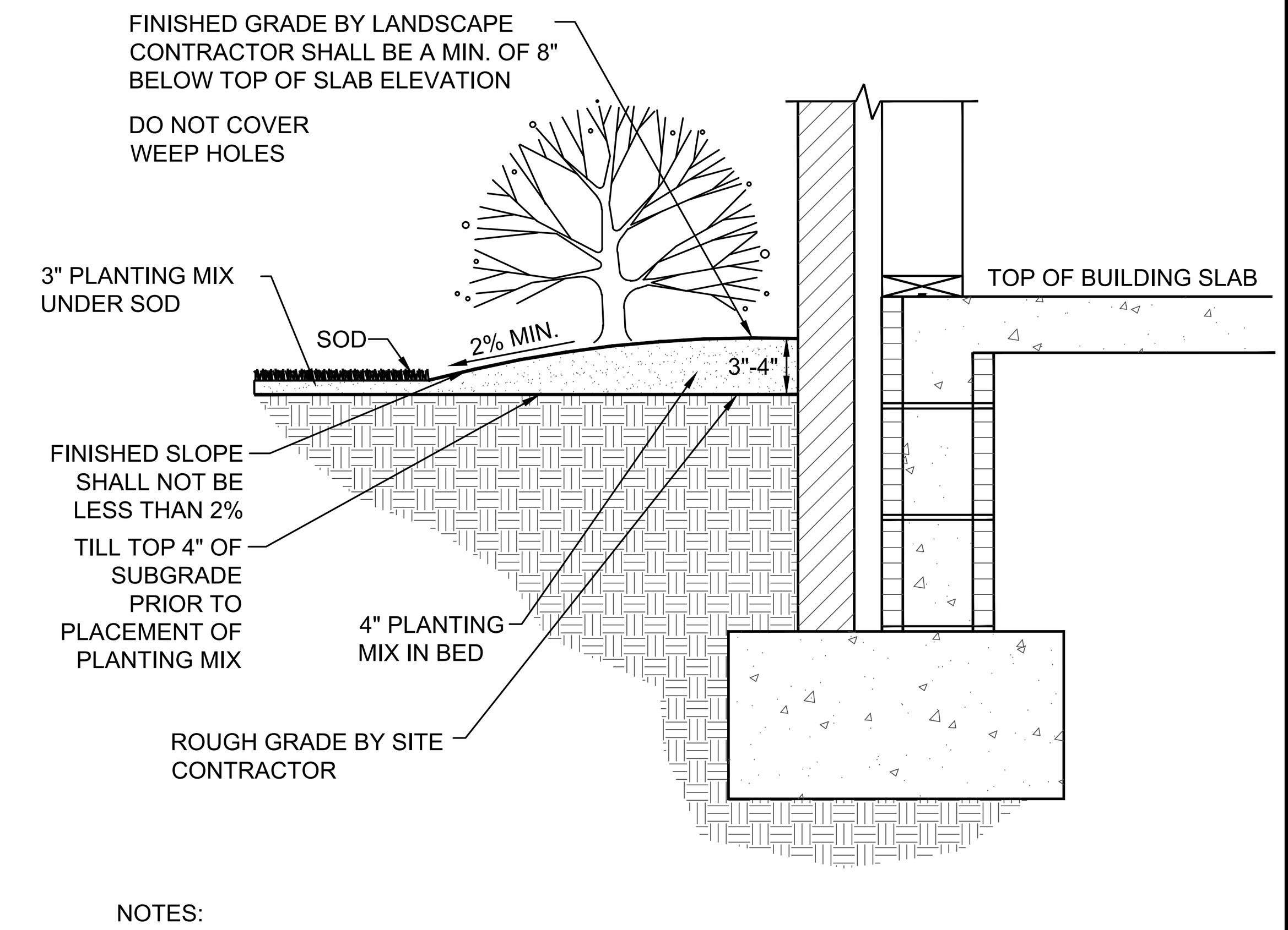
2 L-201 **CONIFER TREE PLANTING DETAIL**
NOT TO SCALE



TYPICAL BED LAYOUT:
1. LAY OUT PERIMETER PLANTING SPACED AS PER PLAN.
2. FILL IN PLANTING BED WITH TRIANGULAR SPACING. ADJUST AS PER L.A.'S INSTRUCTIONS.

NOTES:
1. VERIFY FINISH GRADE ELEVATION. PLANT TOP OF ROOTBALL AT FINISH GRADE.
2. REMOVE BURLAP FROM TOP $\frac{1}{3}$ OF BALL. REMOVE CONTAINER PLANTS FROM CONTAINERS AND CUT ANY CIRCLING ROOTS.

3 L-201 **SHRUB PLANTING DETAIL**
NOT TO SCALE



NOTES:
1. VERIFY FINISH GRADE ELEVATION. PLANT TOP OF ROOTBALL AT FINISH GRADE.
2. CENTER OF ROOTBALL SHALL BE PLANTED NO CLOSER THAN 4' FROM FACE OF BUILDING.

4 L-201 **PLANTING BED AT FOUNDATION**
NOT TO SCALE

AUGUSTA TREE NOTES

ILLUSTRATED TREE ORDINANCE SECTION 6.5
1. CONTRACTOR MUST CONTACT THE AUGUSTA PLANNING DEPARTMENT TO SET UP A PRE-CONSTRUCTION MEETING PRIOR TO ANY TREE DISTURBANCE.
2. ALL TREE PROTECTION DEVICES MUST BE INSTALLED PRIOR TO INSPECTION BY THE CODE INSPECTION OFFICER AND PRIOR TO ANY TREE DISTURBANCE ACTIVITIES
3. REMOVAL OR DAMAGE OF TREES IN THE CONSERVATION AREA WILL BE SUBJECT TO THE PENALTIES ESTABLISHED IN THE PENALTIES SECTION OF THIS ORDINANCE.
4. THESE PLANS SHALL BE REVIEWED BY THE CODE INSPECTION OFFICER FOR CONFORMANCE WITH APPLICABLE PROVISIONS OF THIS SECTION AND FOR TREE AND VEGETATION VIABILITY. THE PLANS WILL EITHER BE APPROVED OR RETURNED FOR REVISIONS. REASONS FOR RETURN SHALL BE NOTED ON THE PROPOSED PLAN.
5. ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO INSPECTION OF CODE INSPECTION OFFICER AND PRIOR TO TREE DISTURBANCE.
6. THE CODE INSPECTION OFFICER WILL CONDUCT FOLLOW-UP SITE INSPECTIONS FOR ENFORCEMENT OF THE TREE PROTECTION REQUIREMENTS.

TREE ORDINANCE SECTION 8.4.13(D-7C)
7. NO LIGHTING CAN BE WITHIN 20' OF A REQUIRED TREE OR WITHIN A REQUIRED LANDSCAPE ISLAND.
8. LIGHTING ON THE ELECTRICAL PLAN MUST BE CONSISTENT WITH LIGHTING DELINEATED ON THE TREE PROTECTION/TREE ESTABLISHMENT PLAN; IF CONFLICTS BETWEEN THE TWO PLANS ARISE, THE LIGHTING ON THE TREE PROTECTION/TREE ESTABLISHMENT PLAN SUPERSEDES LIGHTING ON THE ELECTRICAL PLAN.
9. NO SIGNS, WITH THE EXCEPTION OF SMALL DIRECTIONAL SIGNS (THESE SIGNS MAY NOT EXCEED (30") IN HEIGHT NOR MORE THAN (4 SQ. FT.) IN AREA), MAY BE LOCATED WITHIN 20' OF A RETIRED TREE OR WITHIN REQUIRED LANDSCAPE ISLANDS.
10. NO BICYCLE RACKS, FIRE HYDRANTS, UTILITY BOXES, TRANSFORMERS OR OTHER SITE APPURTENANCES MAY BE LOCATED IN REQUIRED LANDSCAPE ISLANDS.

TREE ORDINANCE SECTION 8.4.13(D-8)
11. A PERMANENT WATER SOURCE MUST BE WITHIN 100' OF ALL REQUIRED TREES.

TREE ORDINANCE SECTION 8.4.13(D-12)
12. NO NEW UTILITIES (UNDERGROUND OR OVERHEAD) MAY BE LOCATED DIRECTLY ABOVE OR BELOW EXISTING OR PROPOSED TREE LOCATIONS. PROPOSED UTILITIES MUST BE ROUTED AWAY FROM ALL REQUIRED TREES ON THIS SITE.

TREE ORDINANCE SECTION 8.4.13(G)
13. ALL REQUIRED TREES ARE RECOMMENDED TO BE GROWN WITHIN ONE CLIMATIC ZONE OF AUGUSTA, GA.
14. TREES PLANTED FOR CANOPY COVER CREDIT SHALL MEET QUALITY AND SIZE STANDARDS AS DESCRIBED IN THE ASNI Z 60.1 AMERICAN STANDARD FOR NURSERY STOCK DATED 1990 AND PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION, AS OFFICIALLY REVISED AND AMENDED FROM TIME TO TIME. ALL THREES SHALL BE PER IGO LIST.
15. ALL TREES SELECTED FOR PLANTING SHOULD BE OF URBAN TOLERANT SPECIES AND SUITABLE FOR THE SITE CONDITIONS OF PLANTING LOCATION, INCLUDING GROWING SPACE LIMITS, SOIL MOISTURE, SOIL VOLUME, AND CLASSIFIED AS WATER WISE PLANT ONCE ESTABLISHED. ALL TREES SHALL BE PER IGO LIST.
16. ALL REQUIRED TREES SHALL BE NURSERY GROWN, TYPICAL OF THEIR SPECIES OR VARIETY, WITH NORMAL, DENSELY DEVELOPED BRANCHES AND VIGOROUS, FIBROUS ROOT SYSTEMS. TREES SHALL BE SOUND, HEALTHY, VIGOROUS, FREE FROM DEFECTS, FREE FROM DISFIGURING KNOTS, FREE FROM SUN SCALD INJURIES, FROST CRACKS AND/OR ABRASIONS OF THE BARK, AND BE FREE FROM PLANT DISEASES, INSECT EGGS, BORERS, AND ALL FORMS OF INFESTATION. ALL TREES SHALL HAVE A FULLY DEVELOPED FORM WITHOUT VOIDS AND OPEN SPACE. TREES SHALL NOT BE LOOSE IN THE CONTAINER OR ROOT BALL. IT IS RECOMMENDED THAT DUG TREES SHALL HAVE BEEN ROOT PRUNED AT LEAST ONCE.
17. ALL REQUIRED TREES SHALL HAVE STRAIGHT, SINGLES CENTRAL LEADERS. TREES THAT HAVE THE MAIN TRUNK FORMING A "Y" SHAPE ARE NOT ACCEPTABLE. TREES THAT ARE NOT FULLY BRANCHED WILL NOT BE ACCEPTED. TREES SHALL HAVE NO BARK DAMAGE AND SHALL NOT BE LEANING OR HAVE SIGNIFICANT SWEEP, CROOK, OR BEND. TREES SHALL HAVE A MINIMUM 3" CALIPER AND SHALL HAVE NO BRANCH MORE THAN HALF THE DIAMETER OF THE MAIN LEADER AND SHALL A STRAIGHT UNBRANCHED TRUNK TO 6'. TREES SPECIFIED AS "MULTI-STEMMED" SHALL HAVE A MINIMUM OF 3 AND A MAXIMUM OF 5 SEPARATE CANES A MINIMUM OF 1" CALIPER EACH COMING FROM THE ROOT BALL AND PRUNED INTO TREE FORM WITH NO BRANCHES ON THE LOWER HALF OF THE TREE. MULTIPLE PLANTS SHALL NOT BE USED AS A "MULTI-STEMMED" PLANT.
18. ALL REQUIRED TREES SHALL BE SET IN THE PLANTING PIT TO PROPER GRADE AND ALIGNMENT, AND SHALL BE SET UPRIGHT PLUMB AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO OTHER TREES, EACH TREE SHALL BE SET 1-2" ABOVE THE FINISH GRADE AND BACKFILL SHALL BE BROUGHT EVEN WITH THE TOP OF THE ROOT BALL. NO FILL SHALL BE PERMITTED ATOP THE ROOT BALL.
19. ALL BURLAP, ROPES, STRAPS AND WIRES SHALL BE REMOVED FROM THE ROOT BALL. IF IT IS NOT POSSIBLE TO REMOVE THE BURLAP AND WIRE FROM THE BOTTOM OF THE ROOT BALL, THE BURLAP AND WIRE SHALL BE CUT AWAY FROM THE SIDES AND REMOVED FROM THE HOLE.
20. AFTER REQUIRED TREES ARE SET, THE BACKFILL SHALL BE MUDDLED AROUND THE BASE OF THE ROOT BALL AND ALL VOIDS SHALL BE FILLED.
21. ALL REQUIRED TREES SHALL HAVE THEIR PLANTING PITS MULCHED WITH APPROVED MULCHING MATERIAL IMMEDIATELY AFTER PLANTING. THE MULCHED AREAS SHALL BE THOROUGHLY WATERED. NOTE: MULCH SHALL BE PLACED A MAXIMUM THICKNESS OF 3" , NO MULCH WITHIN 8" OF TRUNK OF TREE.
22. IF STAKING AND SUPPORTS HAVE BEEN INSTALLED ON THE REQUIRED TREE(S), ALL STAKING AND SUPPORTS SHALL BE REMOVED AFTER ONE GROWING SEASON.
23. AS A GENERAL RULE, THE FOLLOWING GUIDELINES FOR TREE DIVERSITY WITHIN THE TREE PLANTING SITE AND POPULATION SHOULD BE ADHERED TO: 1) PLANT NO MORE THAN 10% OF ANY SPECIES; NO MORE THAN 20% OF ANY GENUS; AND NO MORE THAN 30% OF ANY FAMILY.

TREE SELECTION NOTES:

1. TREES HEIGHT AND CALIPER SHALL MEET THE REQUIREMENTS SPECIFIED IN THE PLANT SCHEDULE.
2. TREE SHOULD BE UNWRAPPED FOR EXAMINATION. STEMS SHOULD BE WRAPPED FOR SHIPMENT AND INSTALLATION. REMOVE WRAP PROMPTLY.
3. TREE SHOULD HAVE BEEN PROPERLY TARGET PRUNED -NEVER FLUSH CUT, TRIMMED, ROUNDED-OVER, HEDGED, TIPPED OR TOPPED.
4. TREE SHOULD BE FULLY OPEN-GROWN FOR WIND-FIRMNESS.
5. TREE SHOULD HAVE A ROOT BALL SIZE THAT MINIMALLY MEETS NURSERY STANDARDS. STRIVE FOR A ROOT BALL AT 150% OF STANDARD ROOT BALL SIZE. ROOT BALL SHOULD BE LIFTED AND CONTAINED TO MINIMIZE AIR EXPOSURE AND ROOT DAMAGE.
6. TREE SHOULD HAVE BEEN ROOT PRUNED ONE OR MORE TIMES. THE LAST ROOT PRUNING SHOULD HAVE OCCURRED AT LEAST ONE FULL GROWING SEASON BEFORE INSTALLATION.
7. TREE SHOULD HAVE A GOOD CROWN SHAPE AND COLOR (IF EVERGREEN).
8. TREE SHOULD BE ENTIRELY FREE FROM PEST SIGNS AND SYMPTOMS.
9. TREE SHOULD SHOW VIGOROUS AND SUBSTANTIAL GROWTH FOR AT LEAST THE LAST TWO GROWING SEASONS.
10. TREE SHOULD BE CERTIFIED IN WRITING AS TO SCIENTIFIC NAME, VARIETY, AND/OR CULTIVAR NAME.
11. TREE SHOULD HAVE A SINGLE DOMINANT LEADER WITH NO SIDE BRANCHES TALLER THAN THE MAIN LEADER. TREE SHOULD NOT HAVE A FLAT TOP.
12. TREE SHOULD HAVE APPROXIMATELY TWO-THIRDS OF ITS HEIGHT IN LIVING BRANCHES.
13. TREE SHOULD HAVE BRANCHES DISTRIBUTED ALONG THE STEM IN AN ALTERNATING PATTERN AND NOT OCCURRING HORIZONTALLY OPPOSITE EACH OTHER ACROSS THE STEM.
14. TREE SHOULD HAVE NO BASAL, STEM OR MAIN ROOT BASE SCARS.
15. TREE SHOULD HAVE NO STUB OR TIP CUTTING WOUNDS.
16. TREE SHOULD NOT HAVE ANY VISIBLE BRANCH STUBS OR INTERNODAL CUTS PRESENT.
17. TREE SHOULD HAVE NO FORKS OR DEAD LEADERS EVEN ON OPPOSITE BRANCHING SPECIES.
18. TREE SHOULD HAVE NO BARK DAMAGE.
19. TREE SHOULD NOT HAVE BEEN STAKED IN THE NURSERY.
20. TREE SHOULD NOT HAVE BEEN TREATED AT ANY TIME WITH WOUND PAINT.
21. TREES SHOULD NOT HAVE ALL BRANCHES GROWING FROM A SINGLE AREA ON THE STEM (CLUSTERED OR CROWNED). TREES WITH BRANCHES NORMALLY GROWING IN WHORLS SHOULD HAVE ONLY 3-4 BRANCHES PER WHORL.
22. TREE SHOULD NOT APPEAR "LEGGY" OR EXCESSIVELY SLENDER. TREE MUST STAND ON ITS OWN AND RESIST WIND DEFLECTION.
23. TREE SHOULD HAVE NO NARROW CROTCHES WITH INCLUDED BARK.
24. TREE SHOULD HAVE NO SIDE BRANCHES TALLER THAN THE MAIN LEADER.
25. TREE SHOULD NOT BE LEANING OR HAVE SIGNIFICANT SWEEP, CROOK OR BEND.
26. TREE SHOULD HAVE NO BRANCH MORE THAN ONE-HALF THE DIAMETER OF THE MAIN LEADER.
27. TREE SHOULD NOT HAVE BASAL SPROUTS OR FIRST-YEAR STEM SPROUTS.
28. TREE SHOULD NOT HAVE SPROUTS FROM AROUND WOUND AREAS OR BRANCH BASES.
29. TREE SHOULD NOT HAVE VERTICAL CRACK CLOSURES OVER OLD WOUNDS. PROPER PRUNING WOUND CLOSURES SHOULD BE CIRCULAR.
30. TREE SHOULD NOT HAVE BRANCHES THAT CROSSOVER EACH OTHER OR RUB AGAINST EACH OTHER.
31. TREE SHOULD NOT HAVE BRANCHES GROWING UPWARD INSIDE THE CROWN.
32. TREE SHOULD NOT HAVE LARGE ROOTS CUT CLOSE TO THE ROOT CROWN/STEM BASE.

LANDSCAPE INSTALLATION NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
2. THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON ALL DRAWINGS.
3. ALL MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARDS FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
4. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING IS COMPLETE AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT OR EQUAL.
5. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING.
6. ALL PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIAL MADE OF SYNTHETIC OR PLASTICS SHALL BE REMOVED AT THE TIME OF PLANTING.
7. PRIOR TO PLANTING, THE LOCATION OF TREES SHALL BE STAKED AND ALL PLANT MATERIAL SHALL BE INSPECTED FOR APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT OR EQUAL. NO PLANT MATERIAL WILL BE ACCEPTED IF IT IS DAMAGED, DISEASED OR INADEQUATE IN SIZE AS SPECIFIED ON PLANS. SUBSTITUTIONS DUE TO AVAILABILITY MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
8. PRUNE OUT ANY TALL SHOOTS, DEAD WOOD OR SUCKERS.
9. ALL PLANTS SHALL BE INSTALLED AS PER DETAILS.
10. THE LANDSCAPE CONTRACTOR SHALL PROVIDE FERTILIZER, PRE-EMERGENT HERBICIDE, LIME, TOPSOIL AND PLANTING MIXTURE AS PER THE PLANTING SOIL MIX NOTE.
11. BEDLINES SHALL HAVE A 3" DEEP SHOVEL CUT TRENCH EDGE WHERE MULCH MEETS GRASS, CONCRETE WALKS OR CURBS UNLESS OTHERWISE SPECIFIED. BEDLINES SHALL BE SMOOTH AND CONTINUOUS AND BE WITHIN A REASONABLE LOCATION AND SHAPE AS ILLUSTRATED ON PLANS.
12. ALL PLANTING AREAS SHOULD HAVE POSITIVE DRAINAGE TO DISCOURAGE SATURATED ROOT SYSTEMS.
13. PLACE 3" OF DYE-FREE DOUBLE HAMMERED HARDWOOD MULCH OVER ALL PLANTING BEDS; TUCK MULCH UNDER PLANTS AND INTO BEDLINE TRENCHES PER PLAN SPECIFICATIONS. DO NOT COVER ROOT FLARES WITH MULCH.
14. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR CLEAN UP OF ALL CONTAINERS, PLANT TAGS AND RIBBONS, PALLETS, DEBRIS, ETC. RESULTING FROM HIS OR HER WORK.
15. ALL MULCH RINGS SHALL BE 6' DIAMETER.
16. ALL AREAS TO BE GRASSED SHALL BE SEEDED OR SODDED PER THE PLANT SCHEDULE AND THE PERMANENT GRASSING NOTE.

IRRIGATION SPECIFICATIONS:

1. CONTRACTOR SHALL DESIGN AND INSTALL AN IRRIGATION SYSTEM FOR 100% COVERAGE OF ALL NEW TREES, SHRUBS, GROUNDCOVER AND SOD. A SHOP DRAWING OF THE PROPOSED SYSTEM LAYOUT AND PROPOSED EQUIPMENT SCHEDULE MUST BE SUBMITTED TO OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.
2. ALL IRRIGATION EQUIPMENT SHALL BE MANUFACTURED BY RAINBIRD INC. OR APPROVED EQUAL.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING WATER PRESSURE AND AVAILABLE VOLUME FOR MINIMUM MANUFACTURED SPECIFIED WORKING PRESSURE BEFORE WORKING IRRIGATION SYSTEM.
4. CONTRACTOR SHALL SUPPLY POWER TO CONTROLLER UTILIZING NEAREST EXISTING POWER SUPPLY. CONTRACTOR SHALL CONSULT WITH OWNER AS TO THE LOCATION AND PLACEMENT OF THE CONTROLLER.
5. CONTRACTOR WILL INSTALL HEADS AND NOZZLES THAT WILL LIMIT THE AMOUNT OF WATER THROWN ON IMPERVIOUS SURFACES AND STILL MAINTAIN 100% COVERAGE OF PLANTED AREAS WITHIN THE IRRIGATION LIMITS. WATER OVERSPRAY ONTO IMPERVIOUS SURFACES MUST BE MINIMIZED TO THE GREATEST EXTENT POSSIBLE. IRRIGATION WATER MUST BE DIRECTED AWAY FROM BUILDINGS & OTHER STRUCTURES.
6. CONTRACTOR SHALL LOCATE ALL UTILITIES BEFORE IRRIGATION INSTALLATION BEGINS.
7. NO IRRIGATION WATER SHALL BE THROWN ON BUILDING MASONRY. NO FUNNY PIPE OR OTHER FLEXIBLE PIPE CAN BE USED FOR SUPPLY OR FEEDER LINES. NO STATIONARY RISERS CAN BE USED.
8. ALL PLASTIC PIPE FROM SIZES 4" AND ABOVE SHALL BE CLASS 200, SDR 21, UNPLASTICIZED RIGID PVC PIPE WITH INTEGRAL BELL AND RUBBER RING GASKET UNLESS OTHERWISE SPECIFIED. PIPE FROM SIZES 3" TO 3/4" SHALL BE CLASS 200, SOLVENT WELD, PVC PIPE. 1/2" PIPE SHALL BE CLASS 200, SOLVENT WELD, PVC PIPE. ALL PIPE SHALL BE SUPPLIED IN 20' STANDARD LENGTHS AND SHALL BE MANUFACTURED BY CERTAINTEED CORP., CRESTLINE, DURA, OR EQUAL. ALL PIPE THAT IS EXPOSED OR NOT BELOW GRADE SHALL BE SCHEDULE 80 PVC. ALL DRIP IRRIGATION SUPPLY LINES NOT IN LANDSCAPE BEDS SHALL BE BELOW GRADE.
9. ALL IN-GROUND WIRE CONNECTIONS MUST BE MADE WITH 3M-DBY WIRE CONNECTIONS OR APPROVED EQUAL.
10. CONTROLLER SHALL BE BY RAIN BIRD OR APPROVED EQUAL. CONTROLLER SHALL INCLUDE RAIN SENSOR. CONTROLLER SHALL BE WEATHER TIGHT CONSTRUCTION.
11. ALL CONTROL VALVES MUST BE BRASS OR SCHD. 80 PVC WITH A SCHD. 80 ISOLATION VALVE AT EACH CONTROL VALVE.
12. VALVES IN BOXES MUST BE EASILY ACCESSIBLE AND INSTALLED WITH 8" DRAINAGE ROCK IN BOTTOM.
13. ALL VALVE BOXES SHALL BE SET LEVEL WITH FINISHED GRADE.

PERMANENT GRASSING NOTE:

NOTE: ALL AREAS TO BE SODDED SHALL RECEIVE 3" OF SCREENED TOPSOIL. TOP SOIL SHALL BE RAKED LEVEL AND FREE OF DEBRIS PRIOR TO SOD INSTALLATION. ALL AREAS TO BE SEEDED WILL RECEIVE 2" OF SCREENED TOP SOIL. TOP SOIL WILL BE RAKED LEVEL AND FREE OF DEBRIS PRIOR TO SEEDING. ALL SODDED AREAS WILL BE TOP DRESSED WITH COARSE SAND TO LEVEL IRREGULARITIES AND PROTECT SOD SEAMS. ALL NEWLY GRASSED AREAS SHALL RECEIVE 1.5" OF ABSORBED WATER EACH WEEK THROUGH CONSTRUCTION AND THE 90 DAY MAINTENANCE PERIOD.

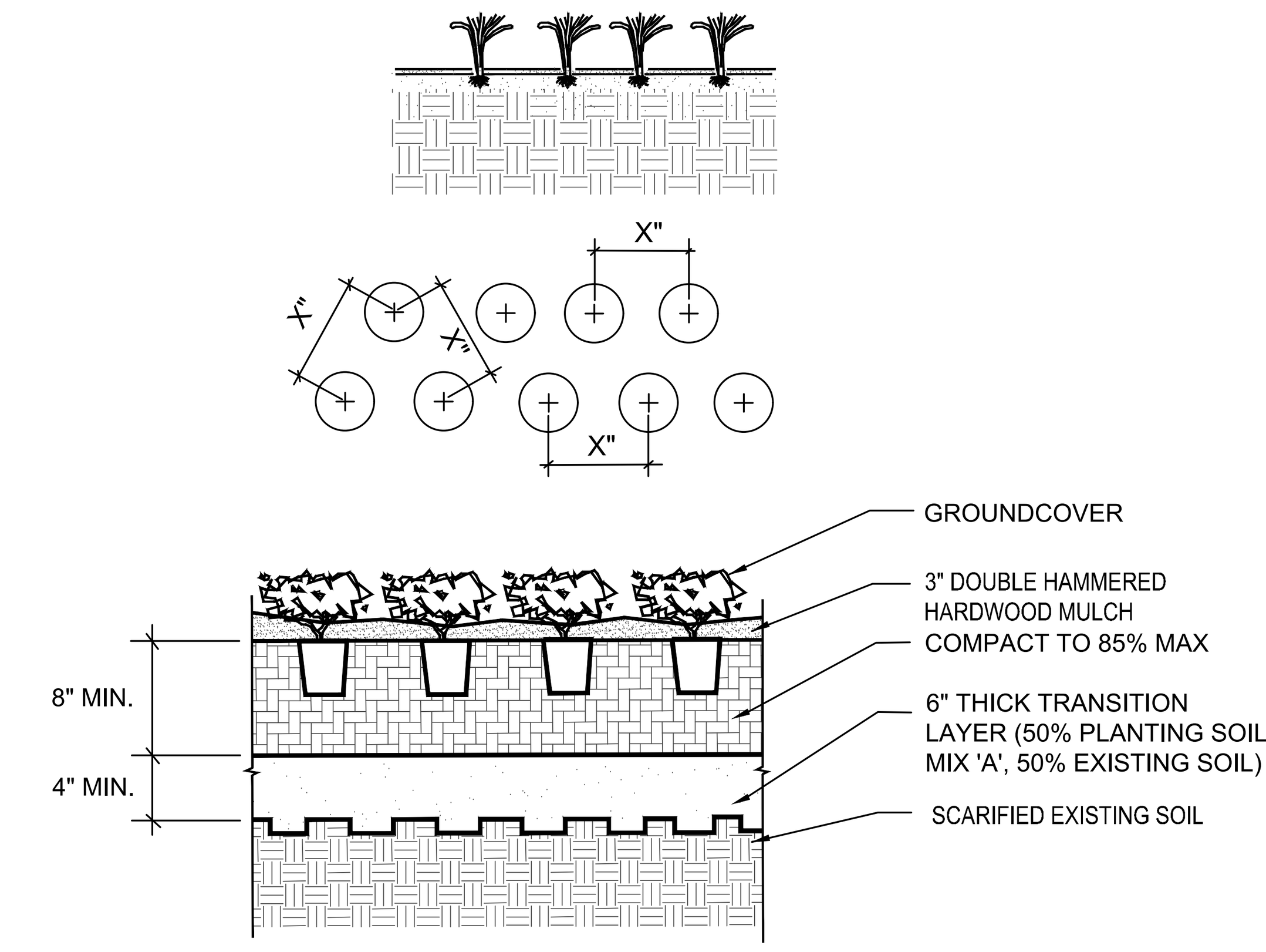
OTHER THAN THE DETENTION BASIN FLOOR ALL AREAS NOT RECEIVING SOD SHALL BE PERMANENTLY GRASSED WITH COMMON BERMUDA SEED AT A RATE OF 50 LBS PER ACRE. ALL SEEDED AREAS SHALL RECEIVE WHEAT STRAW MULCH AT 2 TONS PER ACRE. SLOPED AREAS SHALL HAVE BIODEGRADABLE EROSION CONTROL BLANKETS INSTALLED WITH SOD STAPLES OR SIMILAR FASTENING METHOD. SEE GRASSING, FERTILIZATION, AND MULCH NOTE FOR ADDITIONAL INSTRUCTIONS ON SHEET C-505 (SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS).

PLANTING SOIL MIX NOTE

1. PLANTING SOIL SHALL BE A MIXTURE OF APPROVED TOPSOIL, SAND, AND ORGANIC MATERIAL MIXED TO MEET THE FOLLOWING SPECIFICATION.
2. PARTICLE SIZE DISTRIBUTION ACCORDING TO U.S.D.A. PARTICLE CLASSIFICATIONS:

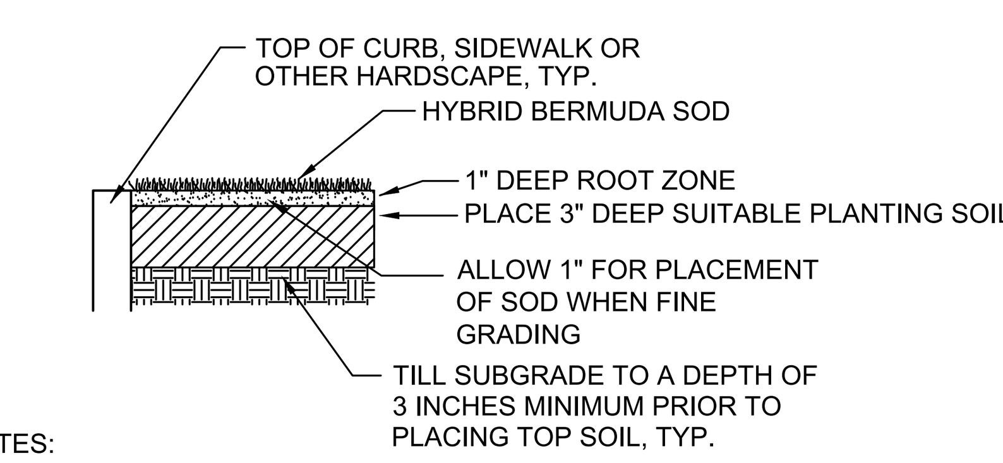
PARTICLE	SIZE (MM)	ALLOWABLE LIMIT
GRAVEL	>4.75	MAX. 3%
FINE GRAVEL	2.00-4.75	MAX. 10%
VERY COARSE SAND	1.00-2.00	
COARSE SAND+	0.50-1.00	COMBINED
MEDIUM SAND	0.25-0.50	50-75%
FINE SAND	0.1-0.25	5-15%
VERY FINE SAND	0.05-0.10	0-10%
SILT	0.002-0.05	10-20%
CLAY	<0.002	10-20%

3. THE U.S.D.A. SOIL TEXTURE CLASS SHALL BE A SANDY LOAM, WITH NO MORE THAN 75% SAND AND NO MORE THAN 35% COMBINED SILT+CLAY.
4. THE ORGANIC MATTER SHALL BE 5-8%.
5. DEPTH OF MIX AS INDICATED ON DRAWINGS.



NOTES:
1. SEE PLANT SCHEDULE FOR SPACING REQUIREMENTS.
2. REMOVE CONTAINER GROWN PLANTS FROM THEIR CONTAINER AND CUT ANY CIRCLING ROOTS.

8 L-201 **GROUNDCOVER PLANTING DETAIL**
NOT TO SCALE



NOTES:
1) GRASS AREAS SHALL HAVE POSITIVE SLOPE AND DRAIN AT 2% MINIMUM
2) EXCAVATE SOD AREAS TO ALLOW REQUIRED DEPTHS OF TOPSOIL AND MATCH FINISHED GRADES

INSTALLATION NOTES:
1) MOISTEN TOP SOIL IMMEDIATELY PRIOR TO INSTALLING SOD
2) INSTALL SOD AND TOP DRESS AS REQUIRED
3) THOROUGHLY WATER SOD IMMEDIATELY AFTER INSTALLATION

12 L-201 **SOD INSTALLATION DETAIL**
NOT TO SCALE

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT No. LA001874 JILLIAN NOELLE READY 4-29-25

GEORGIA JOHNSON, LASCHOBER ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WTB	ISSUED FOR BID / PERMIT

PROJECT NO.	3042.2403
DRAWN BY :	CRE
CHECKED BY :	WTB
DATE:	04/03/2024

SHEET TITLE : **LANDSCAPE NOTES & DETAILS**

SCALE: AS SHOWN

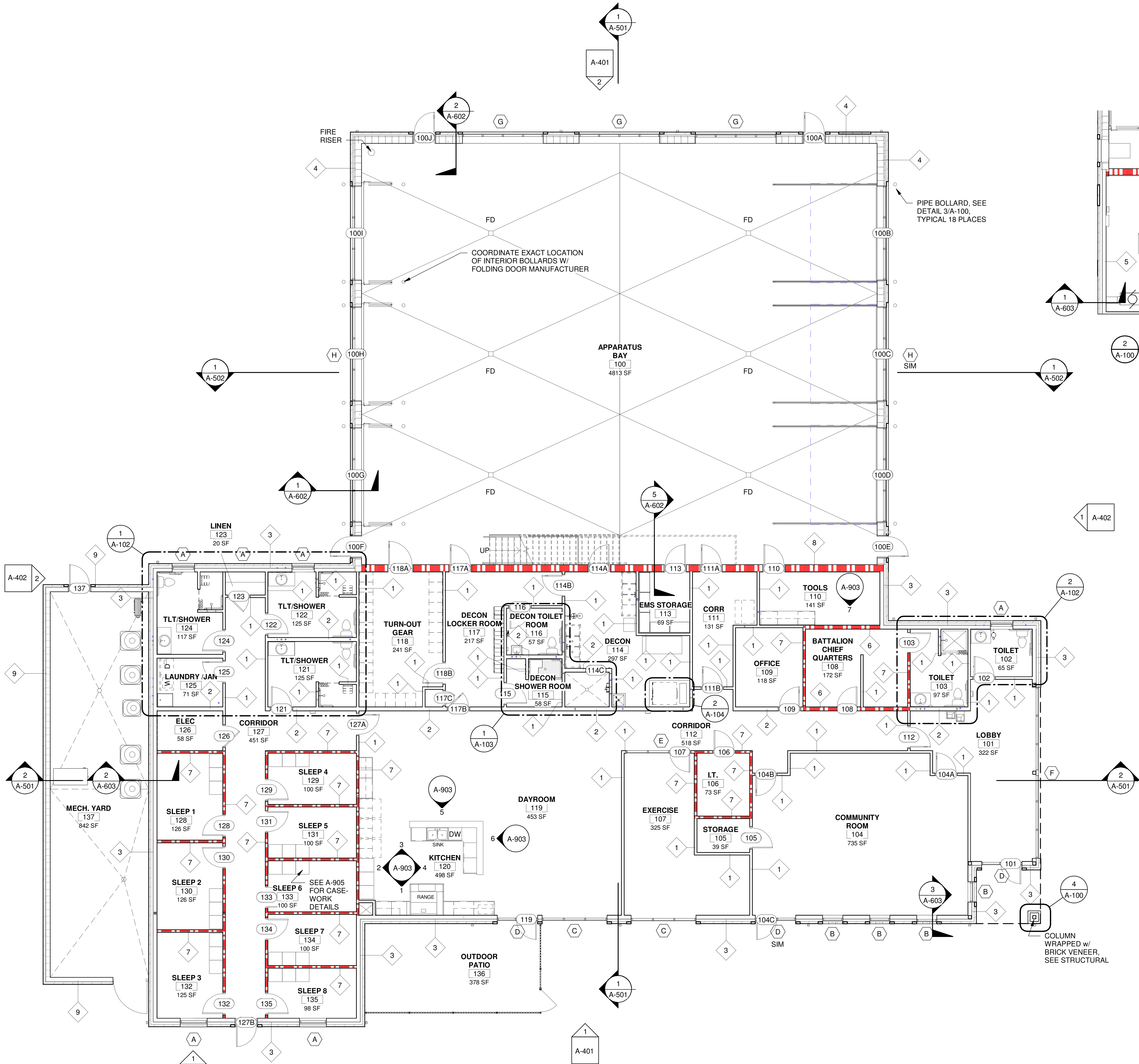
DRAWING NO. **L-201** REV. **A**

ISSUED FOR BID / PERMIT

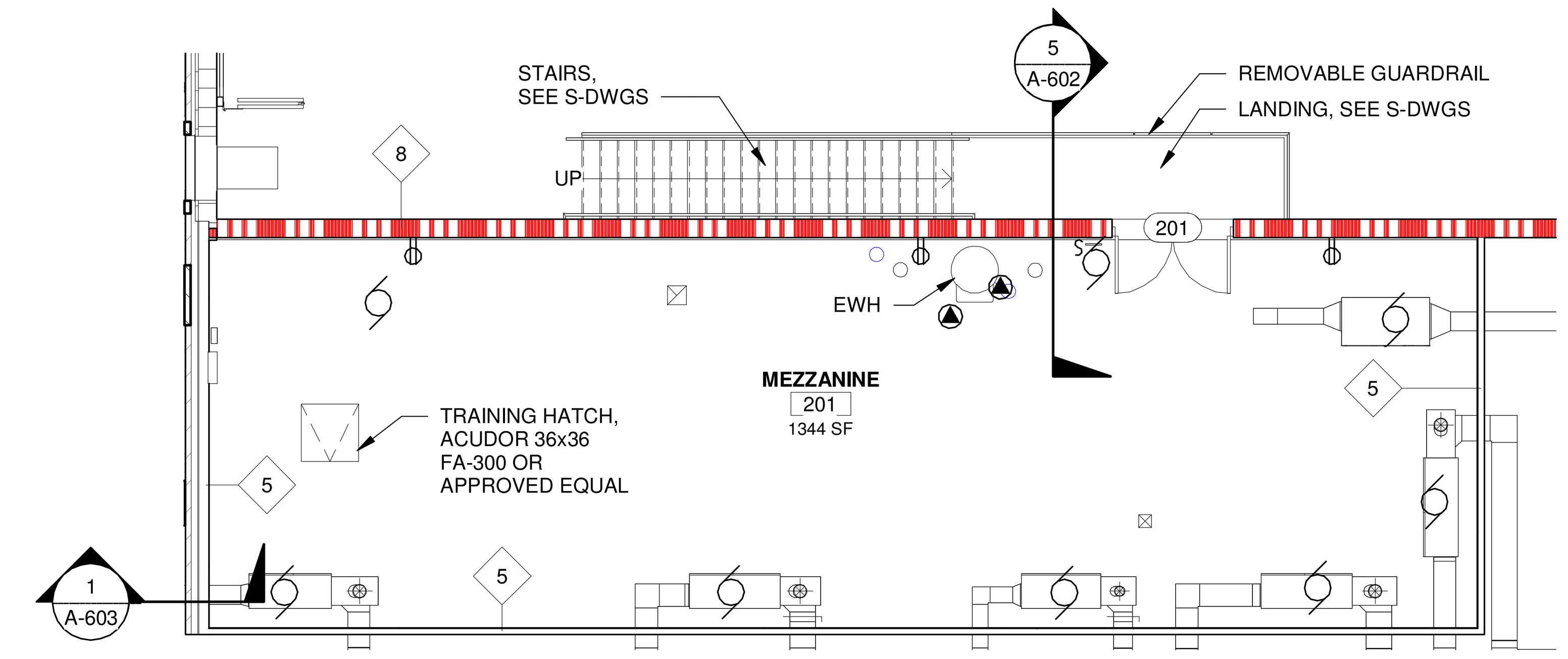
WALL LEGEND

1 HR RATED WALL
UL U465 - METAL STUD

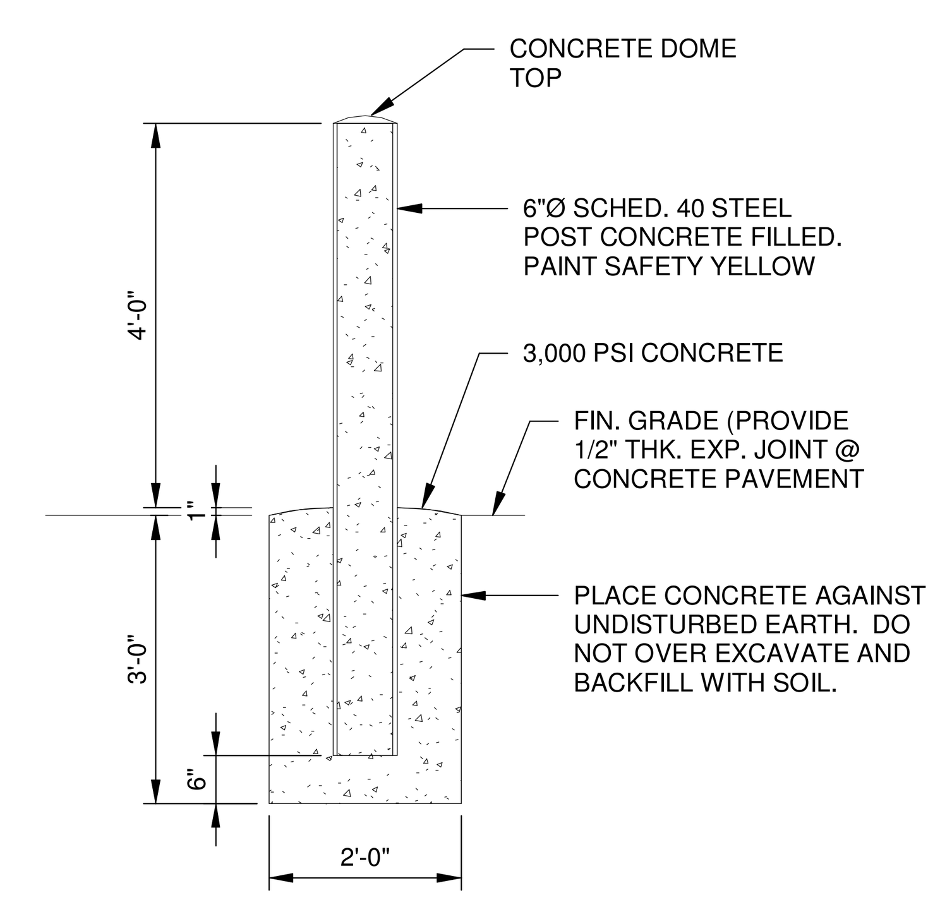
2 HR RATED WALL
UL U905 - CMU WALL



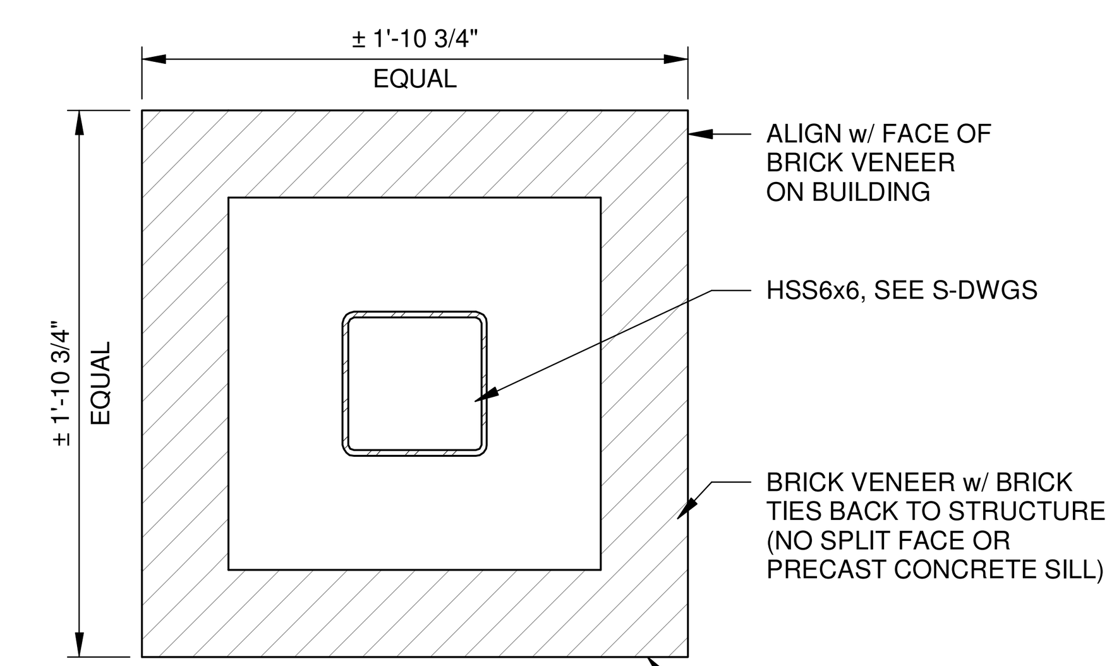
1 / A-100 **INFORMATION PLAN**
SCALE: 1/8" = 1'-0"



2 / A-100 **MEZZANINE PLAN**
SCALE: 1/8" = 1'-0"



3 / A-100 **PIPE BOLLARD DETAIL**
SCALE: 1/2" = 1'-0"



4 / A-100 **COLUMN DETAIL**
SCALE: 1 1/2" = 1'-0"

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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CHECKED BY:	WLD
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SHEET TITLE:
INFORMATION FLOOR PLAN

SCALE: AS NOTED

DRAWING NO. **A-100** REV. **A**

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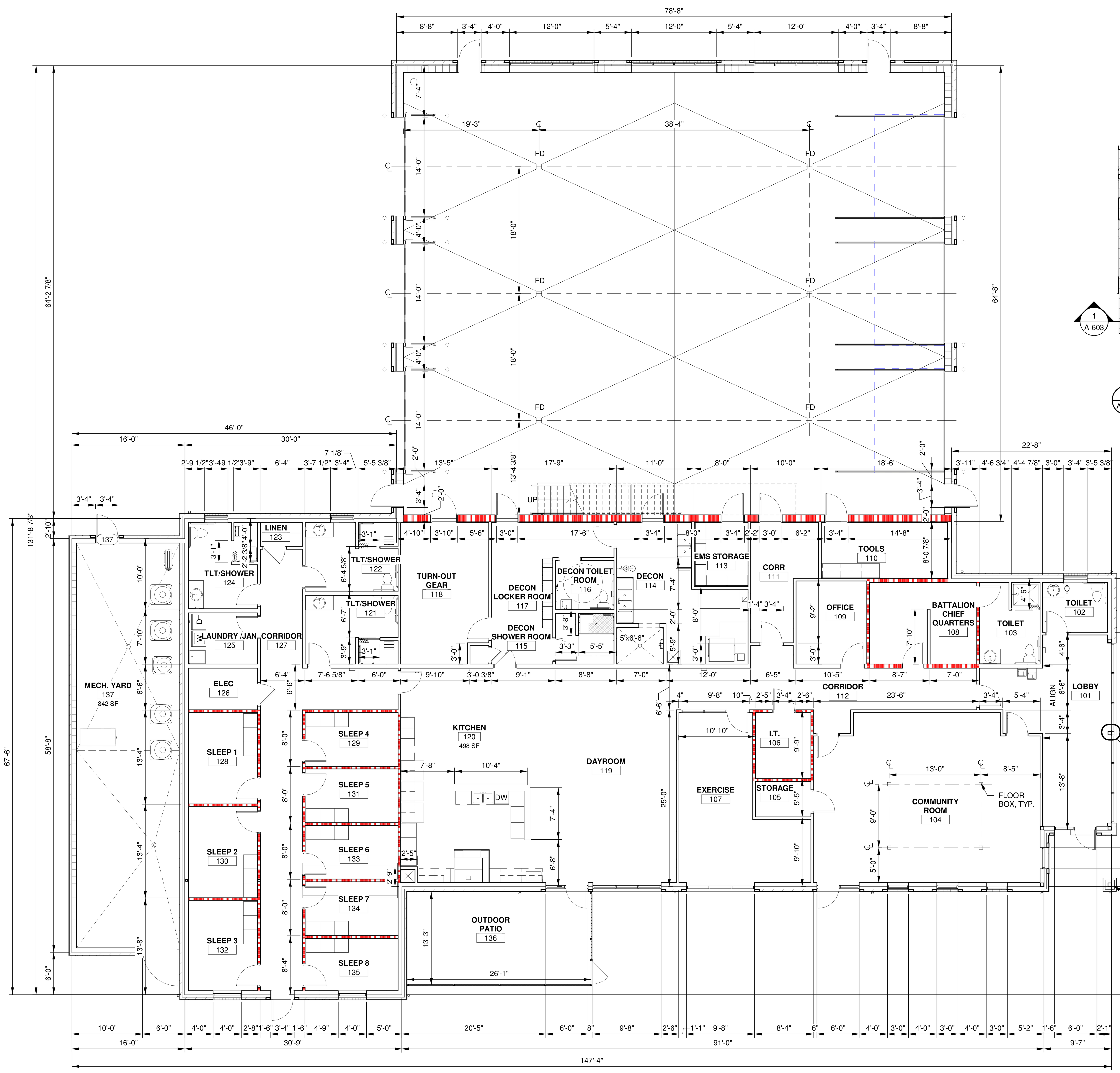
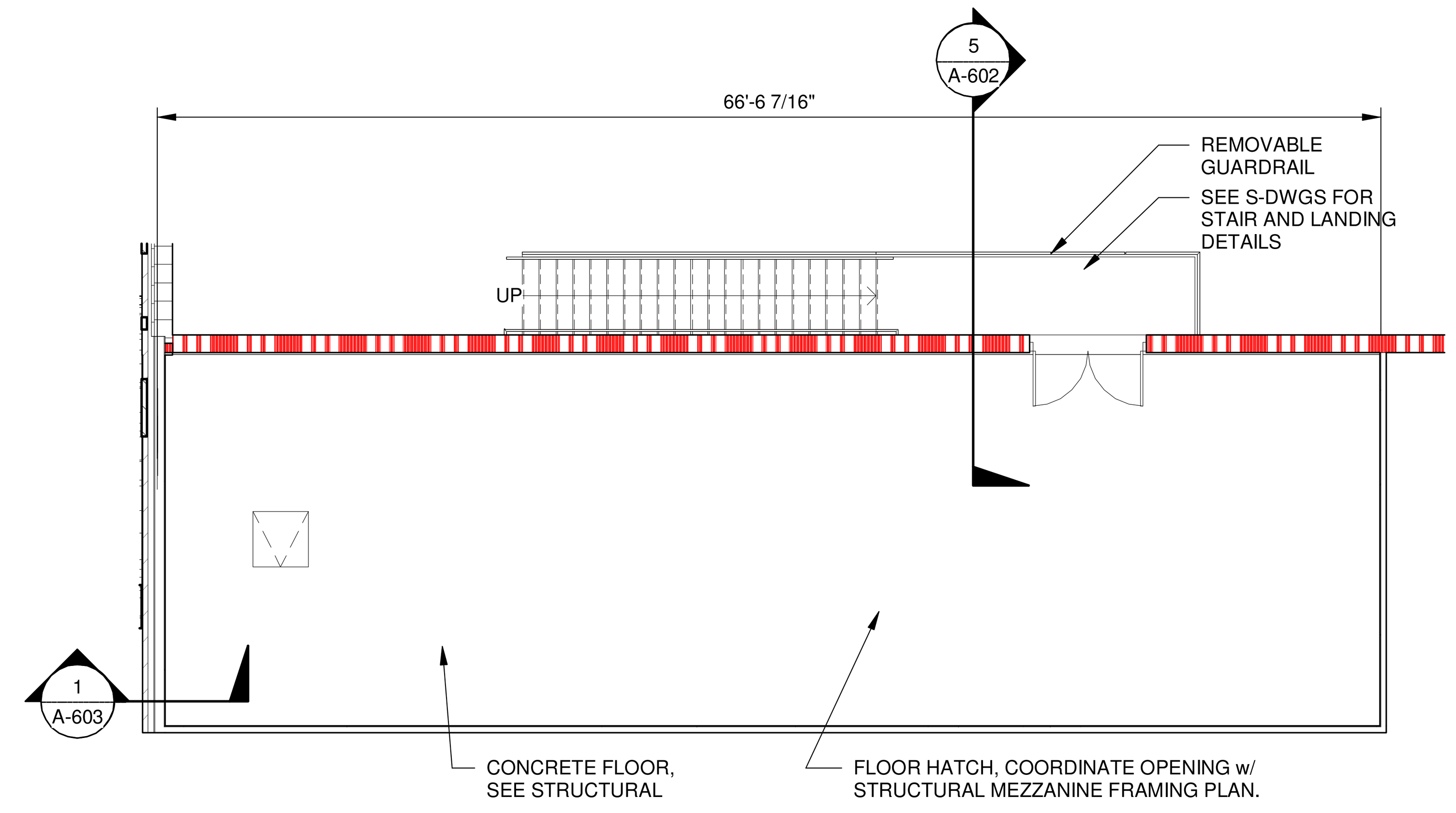
WALL LEGEND

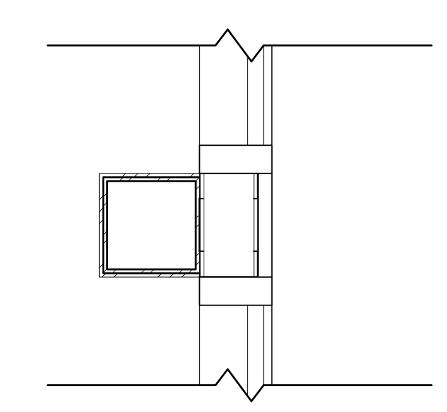
1 HR RATED WALL	UL U465 - METAL STUD
2 HR RATED WALL	UL U905 - CMU WALL



1 A-101 **DIMENSIONED FLOOR PLAN**
SCALE: 1/8" = 1'-0"



2 A-101 **DIMENSIONED MEZZANINE PLAN**
SCALE: 1/8" = 1'-0"



3 A-101 **COLUMN DETAIL**
SCALE: 1" = 1'-0"

DIMENSION NOTES

EXTERIOR DIMENSIONS ARE FROM FACE OF STUD/ EDGE OF SLAB TO FACE OF METAL STUD/ EDGE OF SLAB.

EXTERIOR DIMENSIONS ARE FROM FACE OF CMU WALL TO EDGE OF CMU WALL

INTERIOR DIMENSIONS ARE FROM FACE OF CMU WALL TO EDGE OF CMU WALL

INTERIOR DIMENSIONS ARE FROM FACE OF STUD/ EDGE OF SLAB TO FACE OF CMU WALL

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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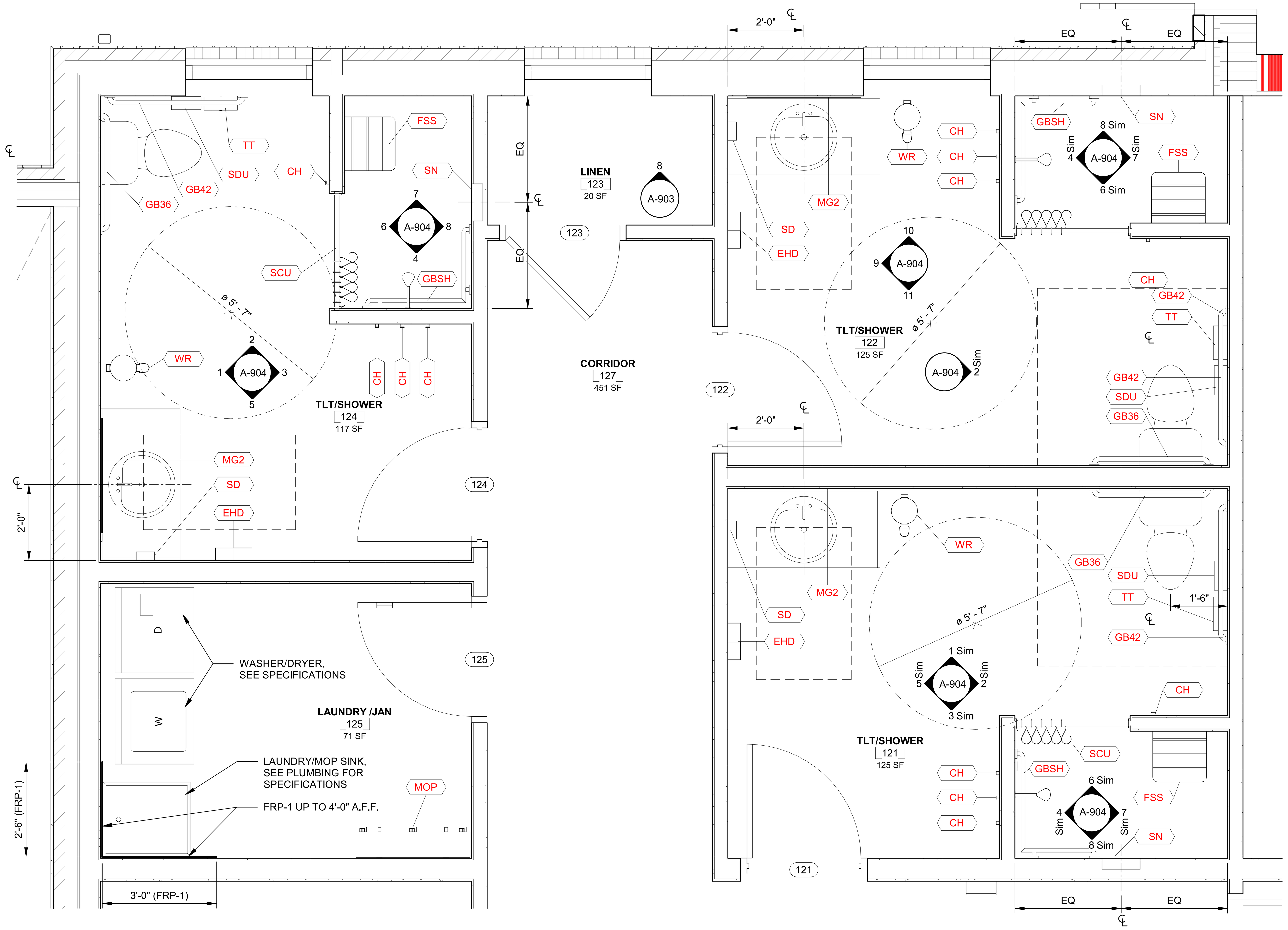
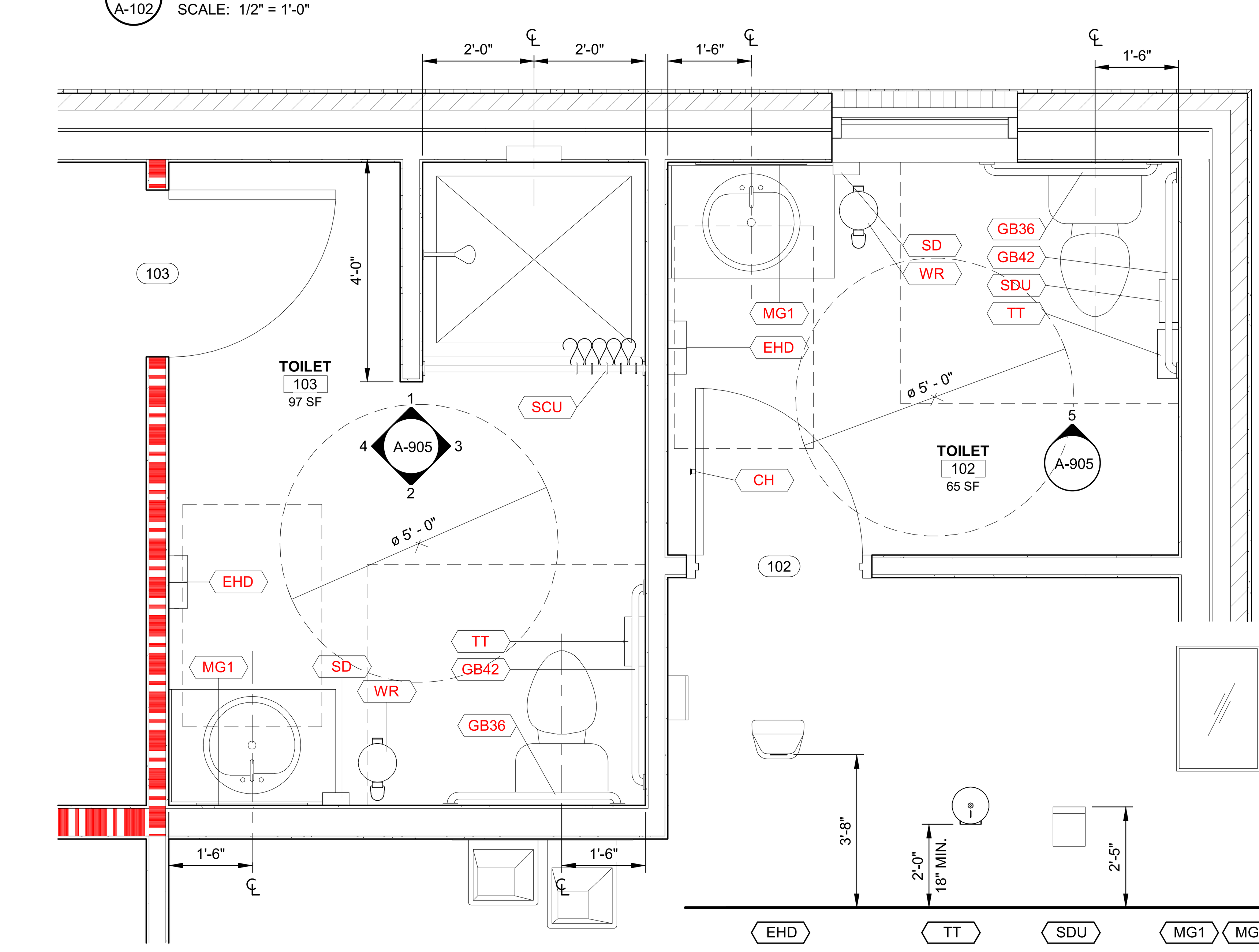
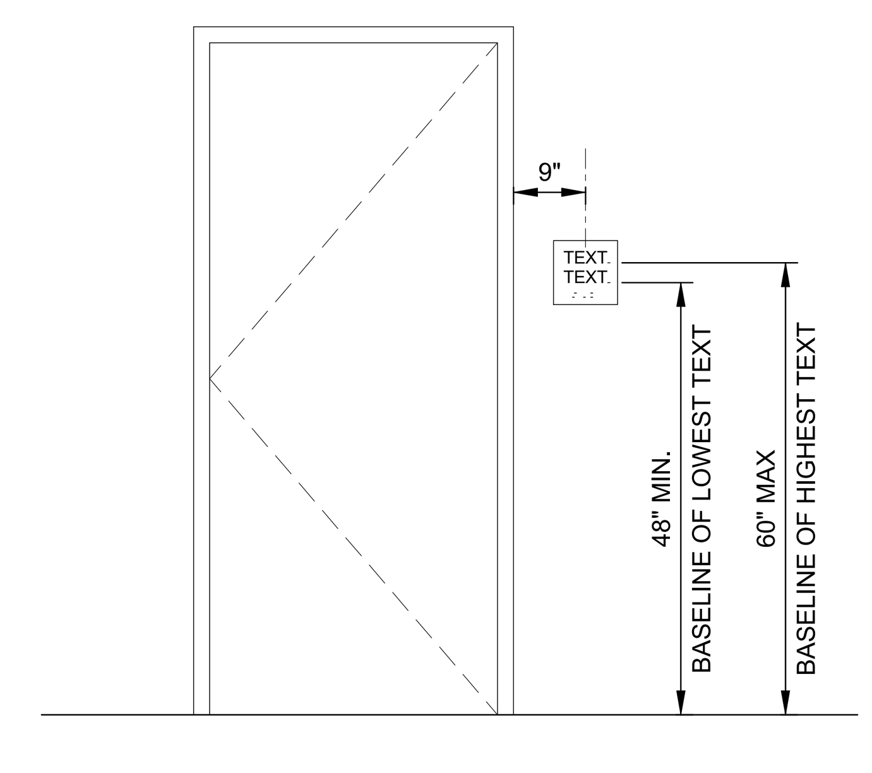
CHECKED BY:	WLD
DATE:	04/03/2024
SHEET TITLE:	DIMENSIONED FLOOR PLAN
SCALE	AS NOTED
DRAWING NO.	A-101
REV.	A



1 A-102 **ENLARGED TLT/SHOWER 121, 122, 123 & LAUNDRY 124**
SCALE: 1/2" = 1'-0"



2 A-102 **ENLARGED TOILET 103**
SCALE: 1/2" = 1'-0"



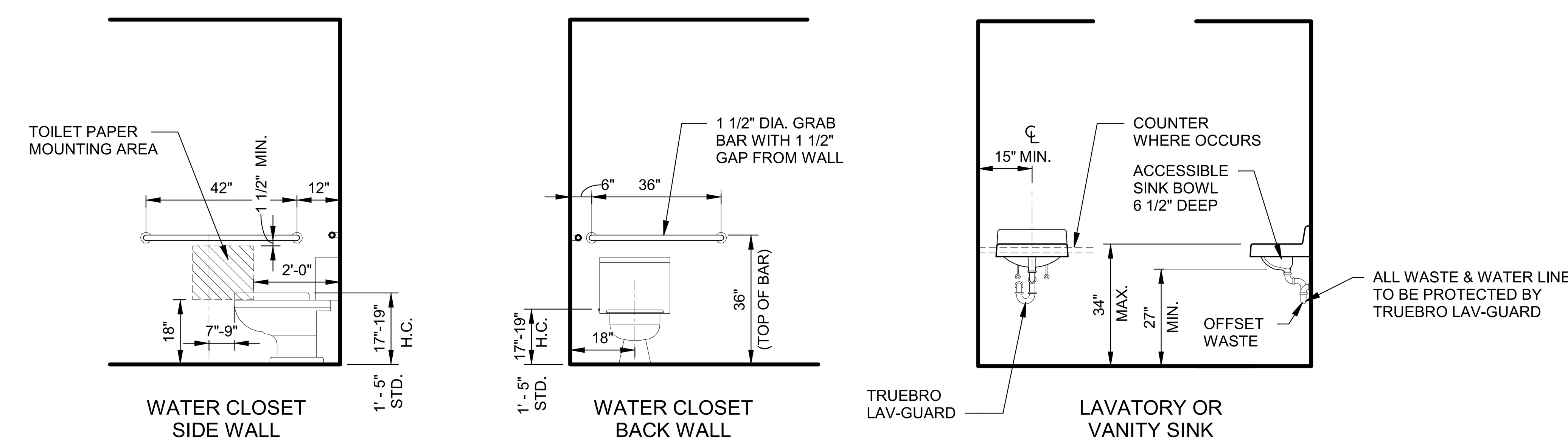
3 A-102 **SIGN LOCATION DETAIL**
SCALE: 1/2" = 1'-0"

ACCESSORY SCHEDULE

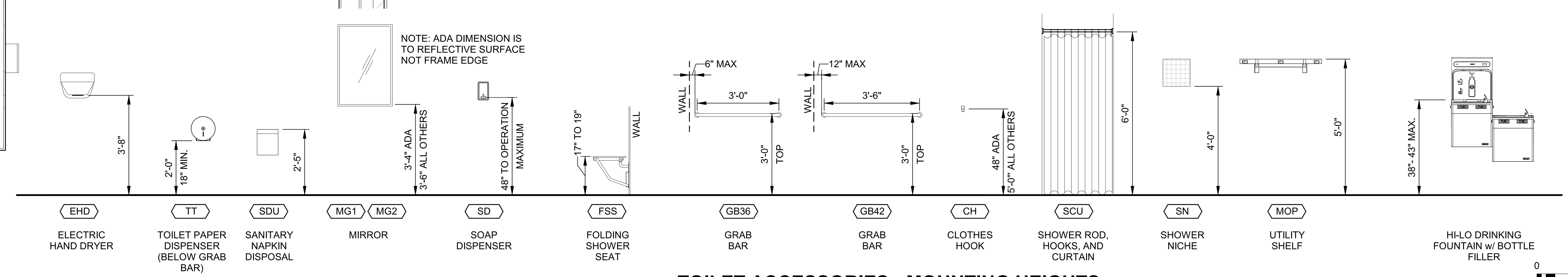
NOTE: ALL ACCESSORIES TO HAVE MAX PROJECTION OF 4"

KEY	ACCESSORY DESCRIPTION	BOBRICK NO. / ASI NO. *	MOUNTING HEIGHT
EHD	ELECTRIC HAND DRYER - SURFACE MOUNTED, BRIGHT STAINLESS FINISH	ASI 0185-92	BOTTOM OF UNIT - 40"
TT	SURFACE-MOUNTED JUMBO ROLL TISSUE DISPENSER	ASI 0042	BOTTOM OF UNIT - 1'-6"
SDU	SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL	ASI 0852	TOP OF UNIT - 2'-5"
MG1	GLASS MIRROR WITH STAINLESS STEEL ANGLE FRAME, 24" x 36"H	ASI 0600-2436	BOTTOM OF UNIT - 3'-4"
MG2	GLASS MIRROR WITH STAINLESS STEEL ANGLE FRAME, 36" x 36"H	ASI 0600-3636	BOTTOM OF UNIT - 3'-4"
SD	SURFACE-MOUNTED FOAM SOAP DISPENSER	B-26627	BOTTOM OF UNIT - 3'-6"
FSS	SOLID PHENOLIC FOLDING SHOWER SEAT	B-5191	TOP OF SEAT - 1'-5"
GB36	1 1/2" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE	B-6806 x 36	TOP OF UNIT - 3'-0"
GB42	1 1/2" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE	B-6806 x 42	TOP OF UNIT - 3'-0"
GBSH	SHOWER 1 1/2" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE	B-68616	TOP OF UNIT - 3'-0"
CH	STAINLESS STEEL CLOTHES HOOK	B-233	CENTER OF UNIT - 3'-2" - 4'-0"
SCU	STAINLESS STEEL SHOWER CURTAIN ROD	B-207	BOTTOM OF UNIT - 6'-0"
	STAINLESS STEEL SHOWER CURTAIN HOOKS	B-204-1	--
	AND 72" VINYL SHOWER CURTAIN	B-204-3	TOP OF UNIT - 6'-0"
WR	WASTE RECEPTACLE	ASI 7317	--
SN	PREFABRICATED SHOWER NICHE BY SCHLUTER SYSTEMS; 12" x 12" x 3.5"D	KB 12 SN 305 305 A	BOTTOM OF UNIT - 4'-0"
MOP	UTILITY SHELF WITH MOP / BROOM HOLDERS AND RAG HOOKS	B-224	TOP OF UNIT - 5'-0"

* CONTRACTOR TO PROVIDE BOBRICK, OR ASI ACCESSORY AS NOTED OR APPROVED EQUAL



4 A-102 **TYPICAL PLUMBING FIXTURES AND ACCESSORIES MOUNTING HEIGHTS**
SCALE: 3/8" = 1'-0"



TOILET ACCESSORIES - MOUNTING HEIGHTS

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

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SHEET TITLE:
ENLARGED PLANS, TLT ACCESSORIES & MOUNTING HEIGHTS

SCALE: AS NOTED

DRAWING NO. **A-102** REV. **A**

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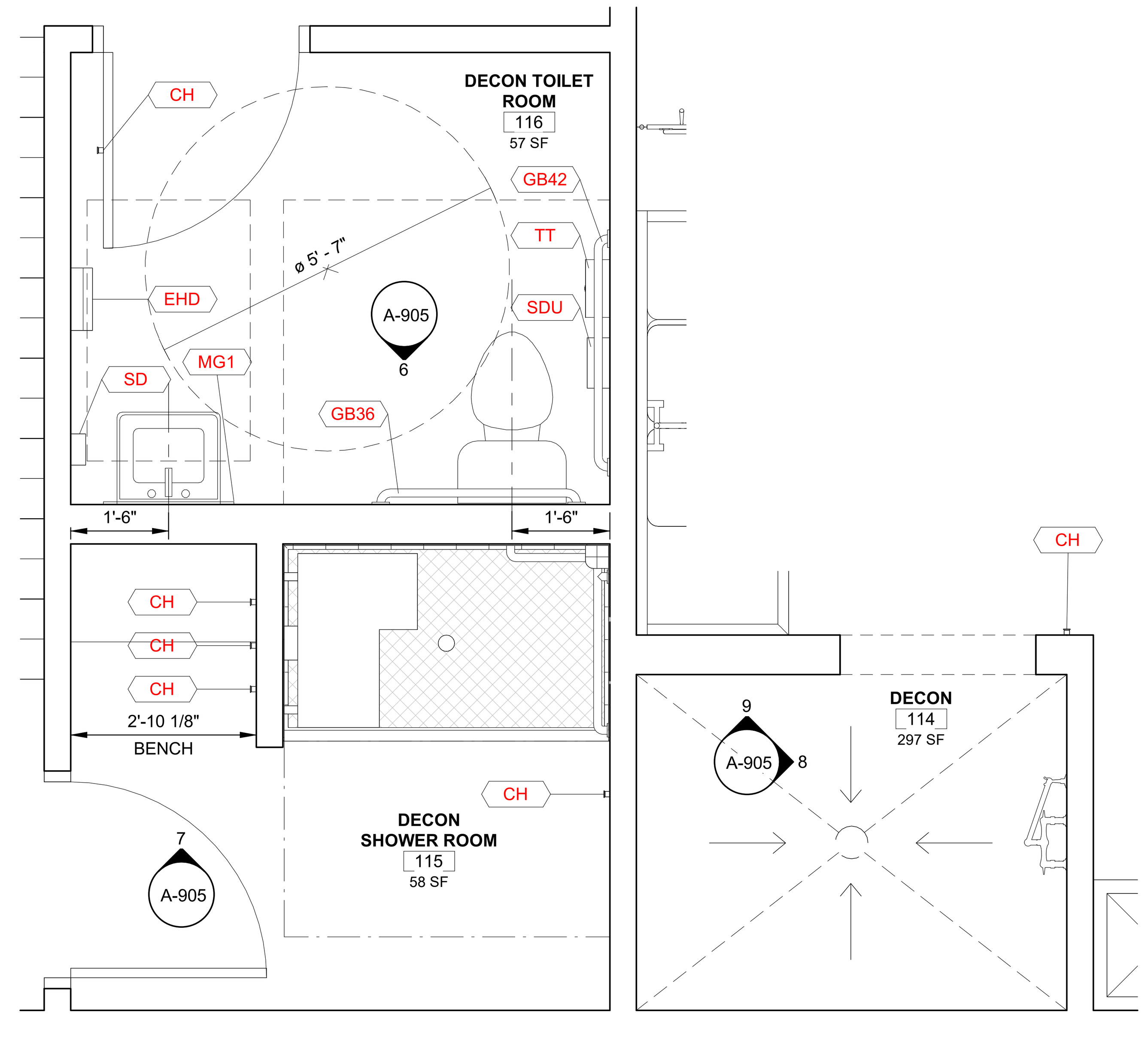

ENLARGED DECON TOILET ROOM, SHOWER ROOM, AND SHOWER

1 / A-103

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

ACCESSORY SCHEDULE

NOTE: ALL ACCESSORIES TO HAVE MAX PROJECTION OF 4"

KEY	ACCESSORY DESCRIPTION	BOBRICK NO. / ASI NO. *	MOUNTING HEIGHT
EHD	ELECTRIC HAND DRYER - SURFACE MOUNTED, BRIGHT STAINLESS FINISH	ASI 0185-92	BOTTOM OF UNIT - 40"
TT	SURFACE-MOUNTED JUMBO ROLL TISSUE DISPENSER	ASI 0042	BOTTOM OF UNIT - 1'-6"
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CH	STAINLESS STEEL CLOTHES HOOK	B-233	CENTER OF UNIT - 3'-2" - 4'-0"
SCU	STAINLESS STEEL SHOWER CURTAIN ROD	B-207	BOTTOM OF UNIT - 6'-0"
	STAINLESS STEEL SHOWER CURTAIN HOOKS	B-204-1	--
	AND 72" VINYL SHOWER CURTAIN	B-204-3	TOP OF UNIT - 6'-0"
WR	WASTE RECEPTACLE	ASI 7317	--
SN	PREFABRICATED SHOWER NICHE BY SCHLUTER SYSTEMS; 12" x 12" x 3.5"D	KB 12 SN 305 305 A	BOTTOM OF UNIT - 4'-0"
MOP	UTILITY SHELF WITH MOP / BROOM HOLDERS AND RAG HOOKS	B-224	TOP OF UNIT - 5'-0"

* CONTRACTOR TO PROVIDE BOBRICK, OR ASI ACCESSORY AS NOTED OR APPROVED EQUAL

0 1 2 4 6 FT.
SCALE: 1/2" = 1'-0"

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PROJECT NO.	3042.2403
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CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:

ENLARGED PLANS, TLT ACCESSORIES

SCALE: AS NOTED

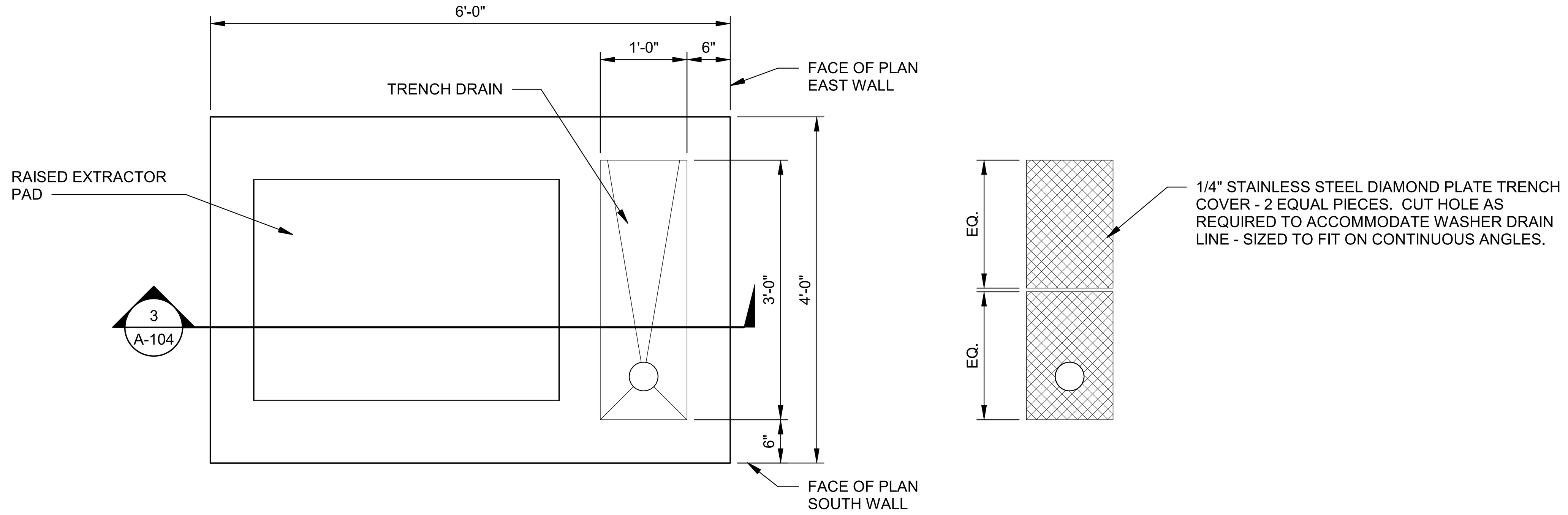
DRAWING NO.: A-103 REV.: A

EQUIPMENT SCHEDULE

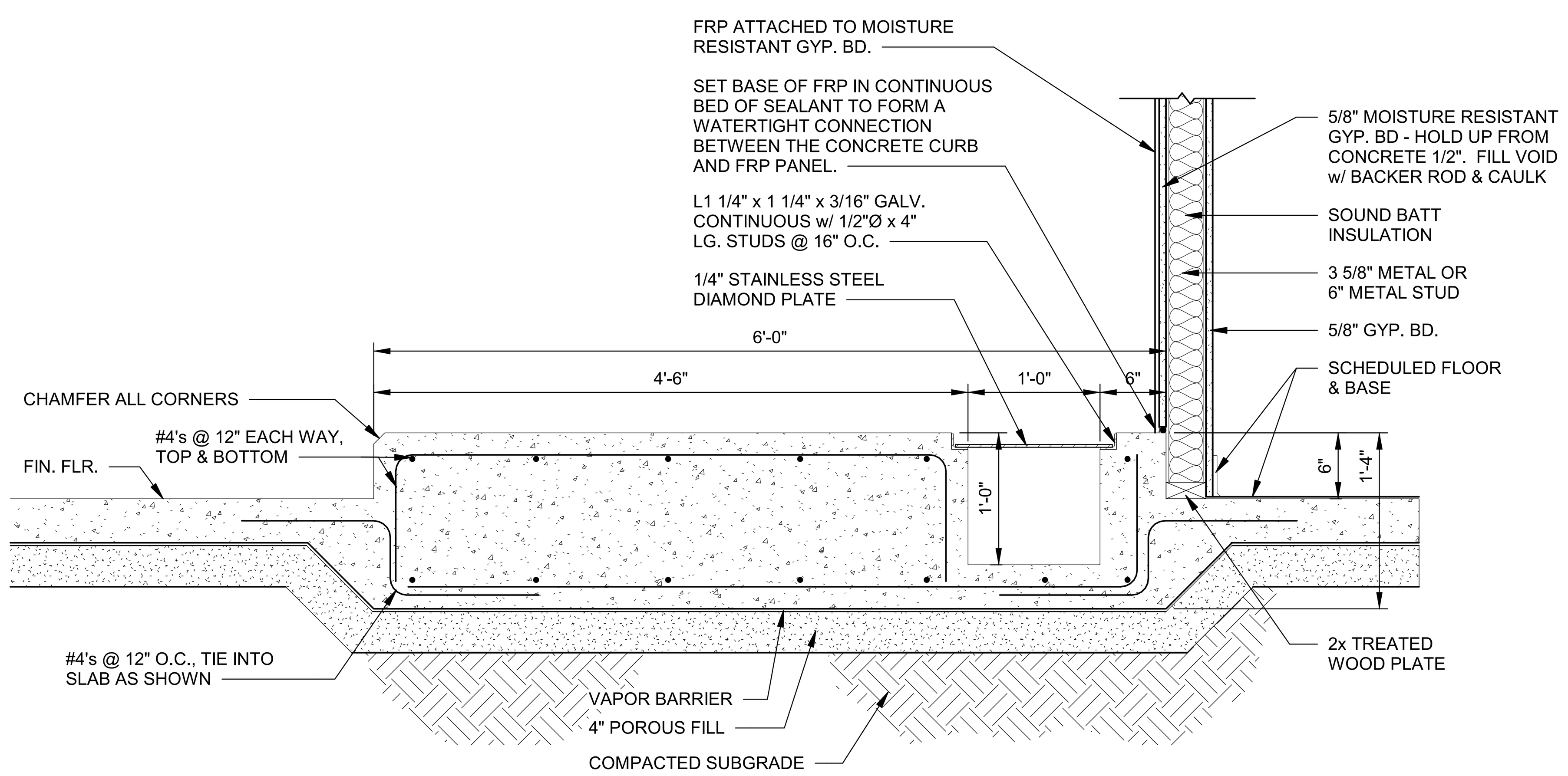
MARK	CATEGORY	QTY	DESCRIPTION	SIZE	MODEL #	FINISH	COMMENTS
A	GEAR WASHER / EXTRACTOR	1	READY RACK "EXTRACTOR 35"	29" W x 32" D x 40.8" H	EW35G	GRAY	
B	GEAR DRYER	1	READY RACK "SMART-DRY 6" ALL-PURPOSE DRYING CABINET, 208V 3ph	71"W x 31.5"D x 77"H	SDC6-3PH	GRAY	
C	GLOVE & BOOT DRYER	1	DRY GEAR SOLUTIONS "W6/6E GLOVE & BOOT DRYER"	24"W x 21"D x 66"H	W6/6E	WHITE	
D	STANDARD LOCKERS	8	PENCO "VANGUARD LOCKERS" THREE TIER; STANDARD LOUVERS, CLASSIC III RECESSED DOOR HANDLE, SLOPE TOP, BASE, COIN RETURN LOCK	15"W x 18"D x 72"H	6496V	028 GRAY	
E	GEAR LOCKERS	24	READY RACK "WALL MOUNTED RED RACK", 24" DEPTH	18"W x 24"D x 72"H	SEC-18/WM	RED	
F	HOSE DRYING RACK	2	GEARGRID CORP., WALL MOUNT HOSE DRYER	312"W x 12.5"D x 36"H		RED BARON	
G	WASHING MACHINE	1	GE, HIGH-EFFICIENCY SMART FRONT LOAD WASHER	28"W x 32"D x 39.75"H	GFW550SSNWW	WHITE	
H	CLOTHES DRYER	1	GE, 10-CYCLE ELECTRIC DRYER	28"W x 32"D x 39.75"H	GFD55ESSNWW	WHITE ON WHITE	
I	RANGE	1	IMPERIAL, COMMERCIAL RANGE WITH SIX BURNERS, ELECTRIC	36"W x 30"D x 56"H	IR-6-E	STAINLESS	208V, 3 PHASE
J	REFRIGERATOR	3	GE, 24.9 CU. FT. BOTTOM-FREEZER REFRIGERATOR	32.75"W x 35"D x 69.875"H	GDE25EYKS	STAINLESS	
K	DISHWASHER	1	GE 24-IN TOP CONTROL BUILT-IN DISHWASHER	23.75"W x 23.5"D x 32.25H	GDT226SSLSS	STAINLESS	ADJUSTABLE HEIGHT, ENERGY STAR, 51-DECIBEL STD SOUND LEVEL
L	ICE MAKER	1	MANITOWOC ICE "INDIGO NXT" FULL CUBE ICE MACHINE W/ BIN	30"W x 34"D x 38"H	IDT0300A/D400	STAINLESS	305 LB STORAGE CAPACITY, AIR COOLED,
M	METAL SHELVING	5	ULINE HEAVY-DUTY STEEL SHELVING	36"W x 18"D x 84"H	H-3120	GRAY POWDER COAT	5-SHELVES, BOLTLESS ASSEMBLY

NOTES

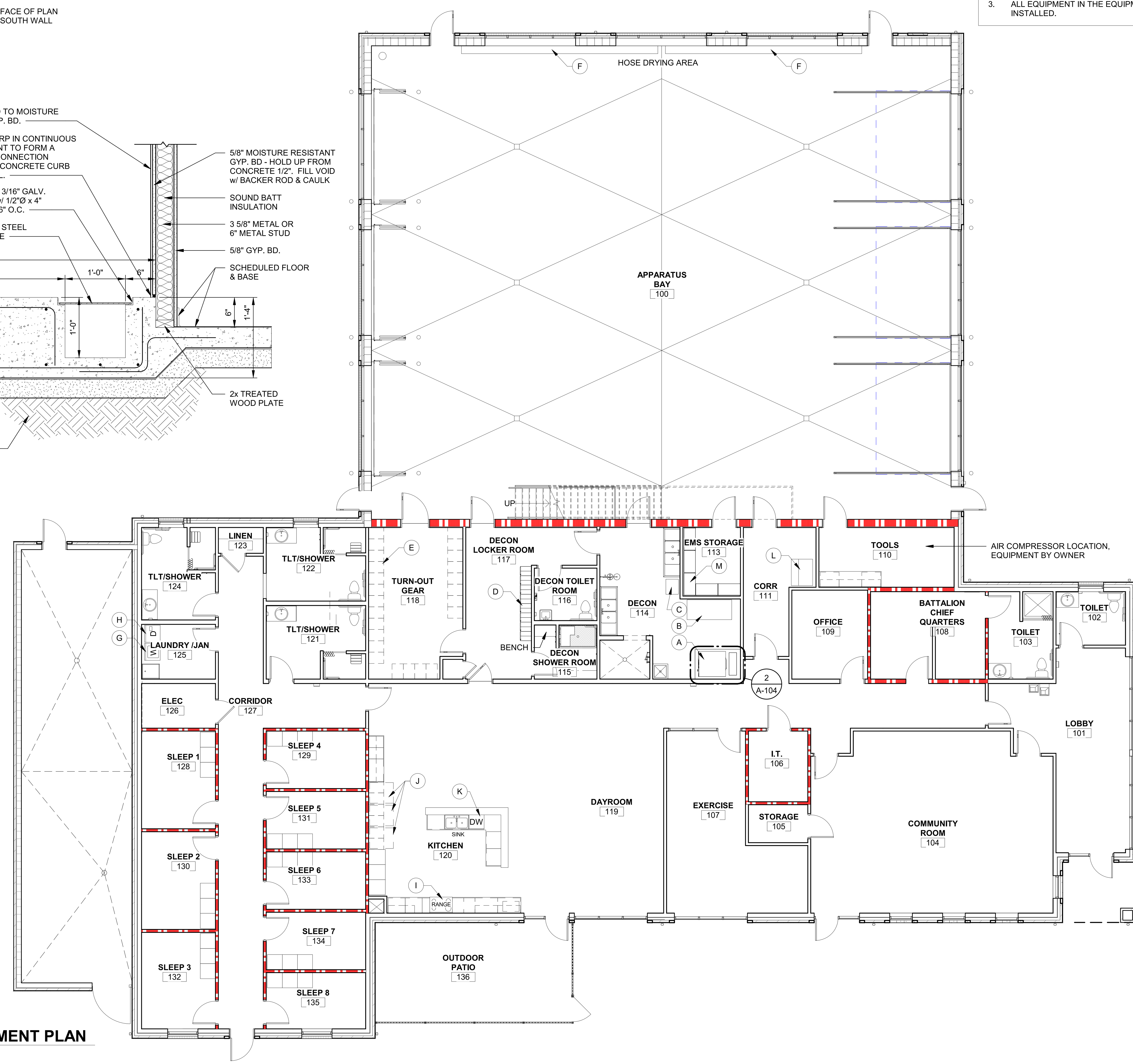
1. COORDINATE ALL APPLIANCE ACCESSORIES WITH APPLIANCE VENDOR OR DISTRIBUTOR.
2. SEE PLUMBING DRAWINGS FOR PLUMBING FIXTURES.
3. ALL EQUIPMENT IN THE EQUIPMENT SCHEDULE IS TO BE CONTRACTOR PROVIDED / CONTRACTOR INSTALLED.



2 A-104 **EXTRACTOR PAD PLAN (DECON 114)**
SCALE: 3/4" = 1'-0"



3 A-104 **SECTION**
SCALE: 1" = 1'-0"



1 A-104 **PROPOSED EQUIPMENT PLAN**
SCALE: 1/8" = 1'-0"

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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PROJECT NAME:
FIRE STATION #3

PROJECT LOCATION:
2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. PEF000356
EXPIRATION DATE: JUNE 30, 2026
CERTIFICATE OF AUTHORIZATION

04/29/2025

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JPT
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:
EQUIPMENT SCHEDULE, PLAN

SCALE: AS NOTED
DRAWING NO.: **A-104**
REV.: **A**

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PROPOSED FURNITURE PLAN

1 / A-105

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

0 1 2 4 8 16 24 FT.

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

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PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

STATE OF GEORGIA — WATSON LEE DORN, III — CERTIFICATE NO. RA012029 — REGISTERED ARCHITECT — 04/29/2025

GEORGIA — JOHNSON, LASCHOBER & ASSOCIATES, P.C. — No. PEF000356 — EXPIRATION DATE: JUNE 30, 2026 — CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JPT
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:

PROPOSED FURNITURE PLAN

SCALE	AS NOTED
DRAWING NO.	A-105
REV.	A

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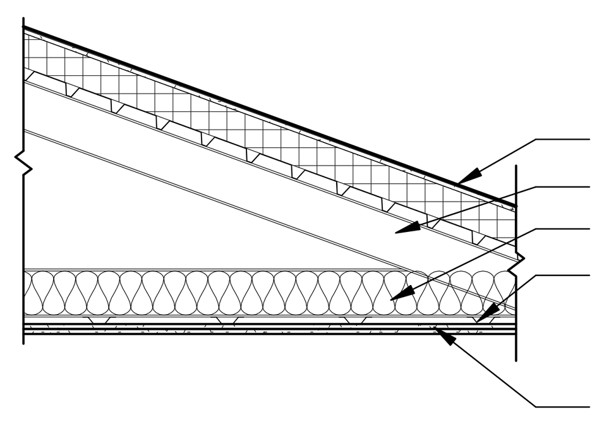
CEILING LEGEND

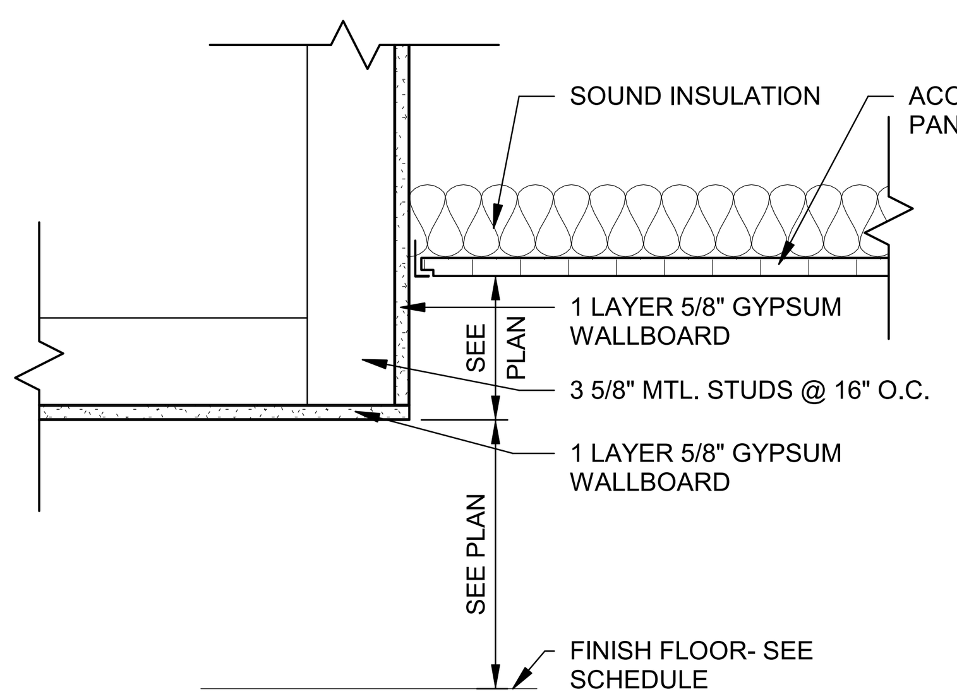
	ACOUSTICAL CEILING TILE 2' x 2' CEILING PANEL WITH SUSPENDED GRID		CEILING CAP/ SOUND BARRIER INSULATION PLATE ABOVE CEILING 2'-0" FROM PERIMETER WALLS	S	SMOKE DETECTOR
				H	HEAT DETECTOR
	HARD CEILING GYPSUM BOARD, PAINTED		SURFACE MOUNT/ LAY- IN FIXTURE 1 X 4 LIGHT FIXTURE	OS	OCCUPANCY SENSOR
			LAY-IN FIXTURE 2 X 4 LIGHT FIXTURE		
	EXPOSED STRUCTURE PAINTED		RECESSED DOWN LIGHT		
			HANGING LIGHT FIXTURE HIGH BAY LED		
	METAL SOFFIT FACTORY FINISH		LAY-IN FIXTURE 2x2 LIGHT FIXTURE		
			WALL SCONCE		

NOTES:
1. SEE MECHANICAL DRAWINGS FOR ALL RELATED ITEMS .
2. SEE ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE.
3. SEE SHEET A-901 FOR CEILING FINISH SPECIFICATIONS.

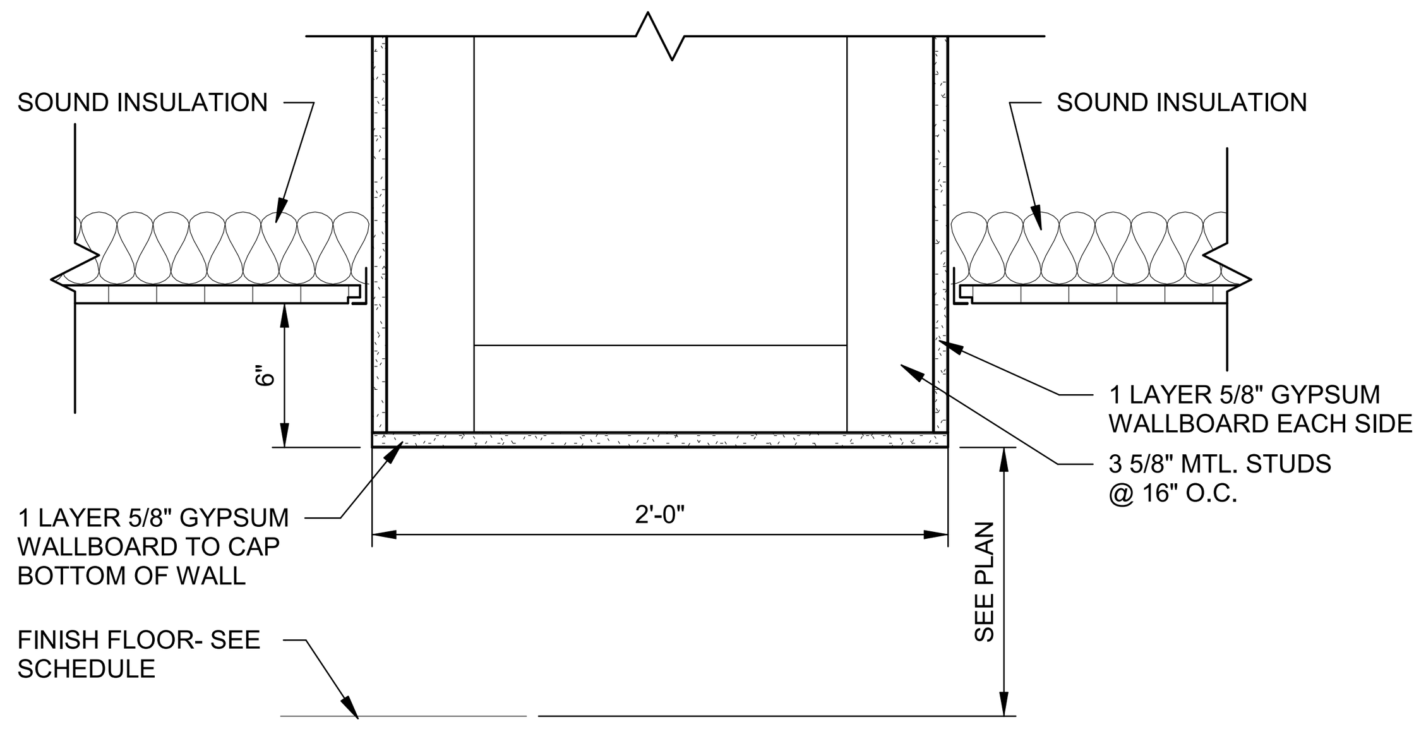


FIRE RATING	1-HR
UL No.	P524

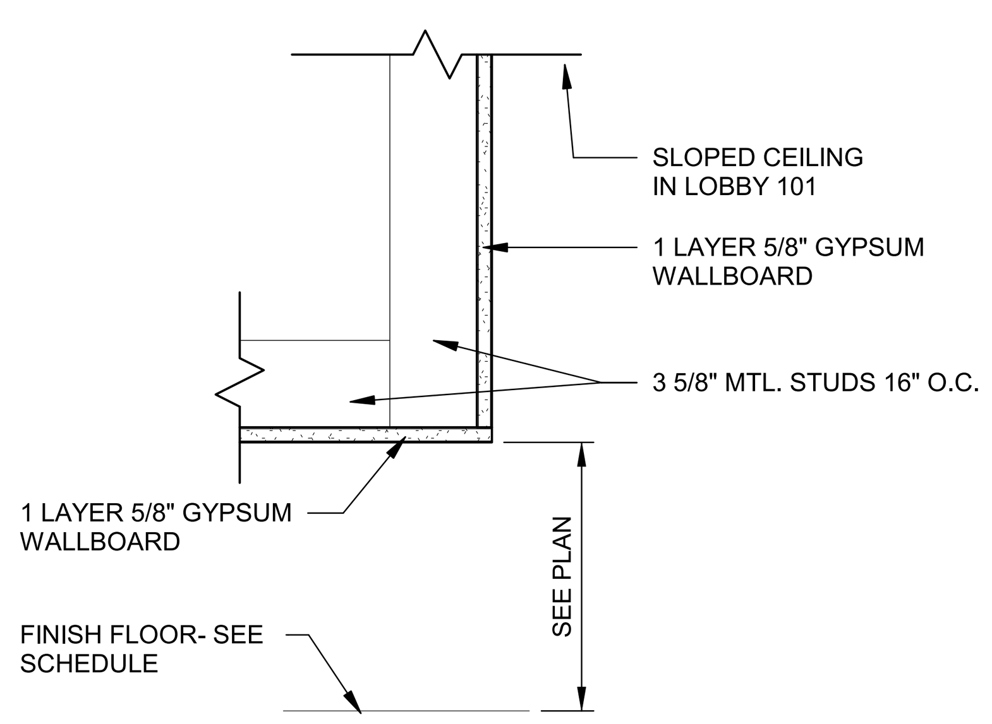
2 A-201 1-HR CEILING ASSEMBLY
SCALE: 1/2" = 1'-0"



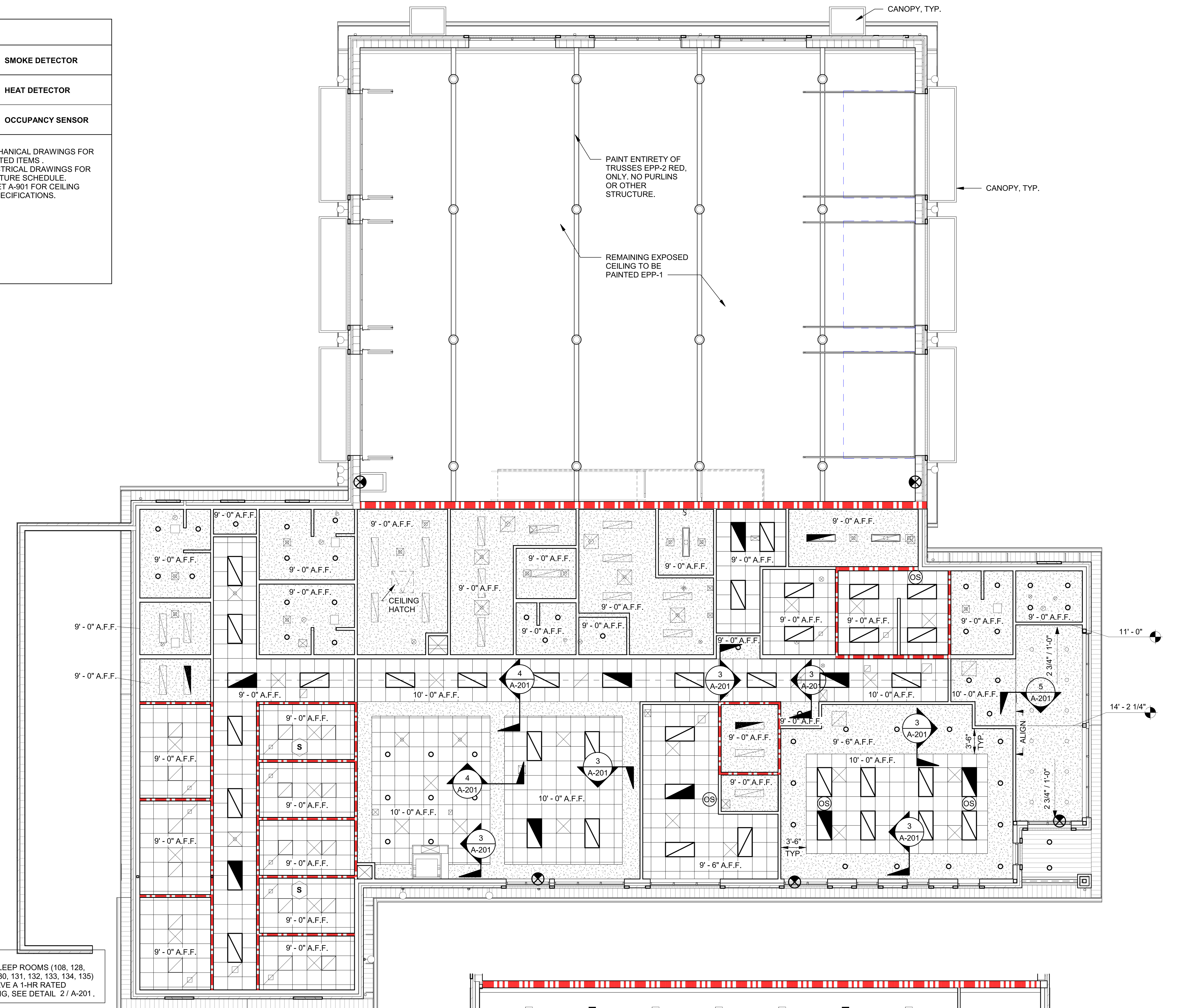
3 A-201 BULKHEAD DETAIL
SCALE: 1 1/2" = 1'-0"



4 A-201 BULKHEAD DETAIL
SCALE: 1 1/2" = 1'-0"

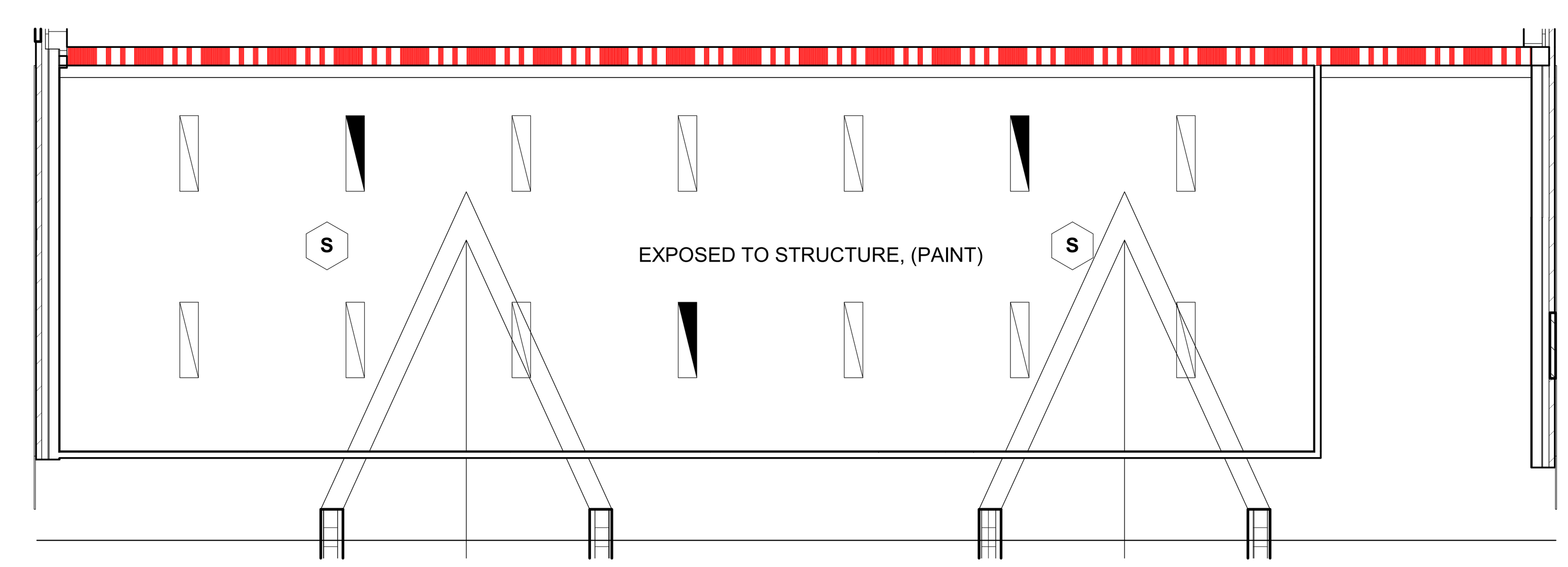


5 A-201 BULKHEAD DETAIL
SCALE: 1 1/2" = 1'-0"



NOTE:
ALL SLEEP ROOMS (108, 128, 129, 130, 131, 132, 133, 134, 135) TO HAVE A 1-HR RATED CEILING, SEE DETAIL 2 / A-201 .

1 A-201 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



6 A-201 MEZZANINE PLAN
SCALE: 1/8" = 1'-0"

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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PROJECT NAME:
FIRE STATION #3

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GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

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SCALE	AS NOTED
DRAWING NO.	A-201
REV.	A

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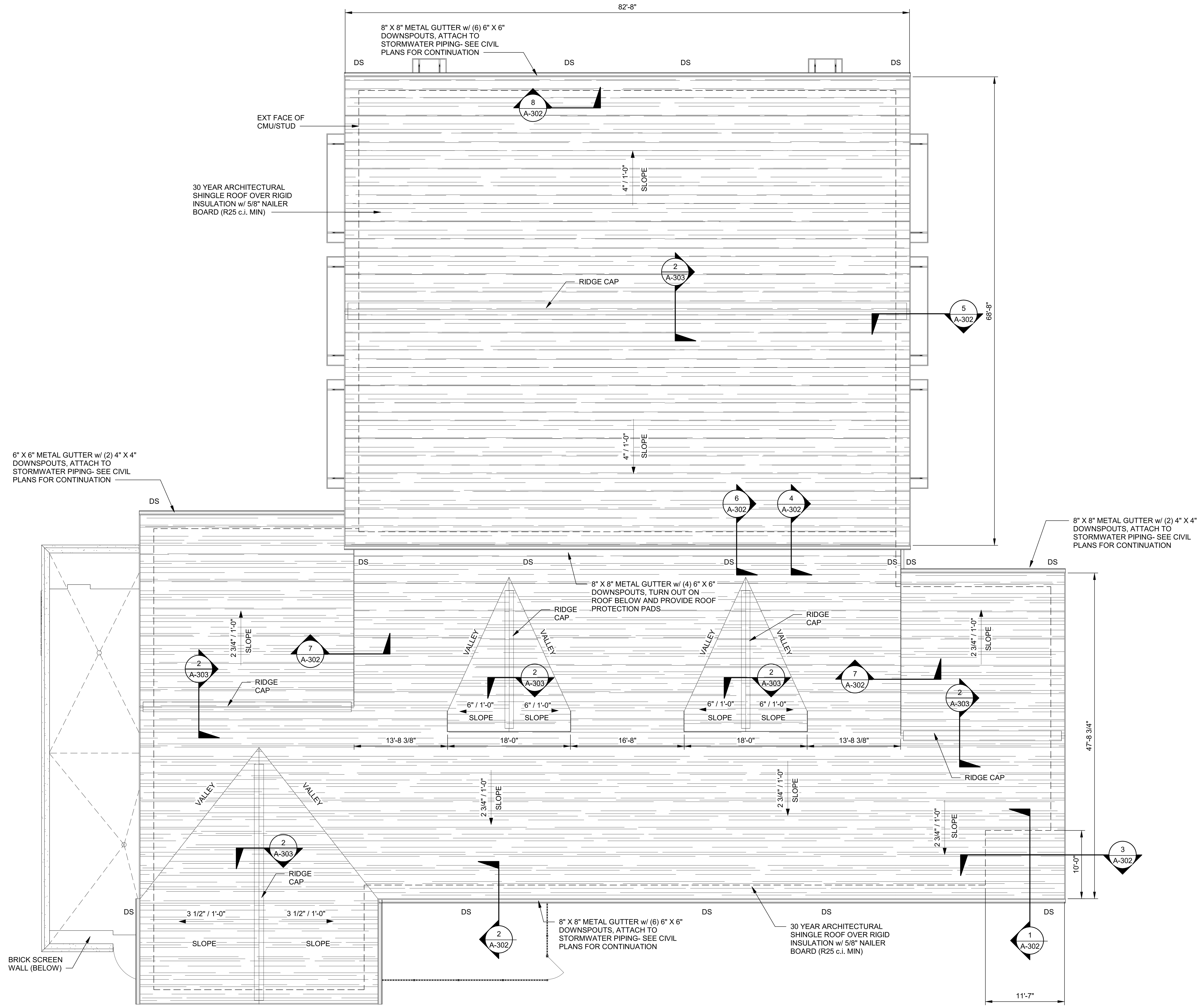

1 A-301 **ROOF PLAN**
SCALE: 1/8" = 1'-0"

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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PROJECT NAME: FIRE STATION #3

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DATE:	04/03/2024

SHEET TITLE:
ROOF PLAN

SCALE: AS NOTED
DRAWING NO. **A-301** REV. **A**

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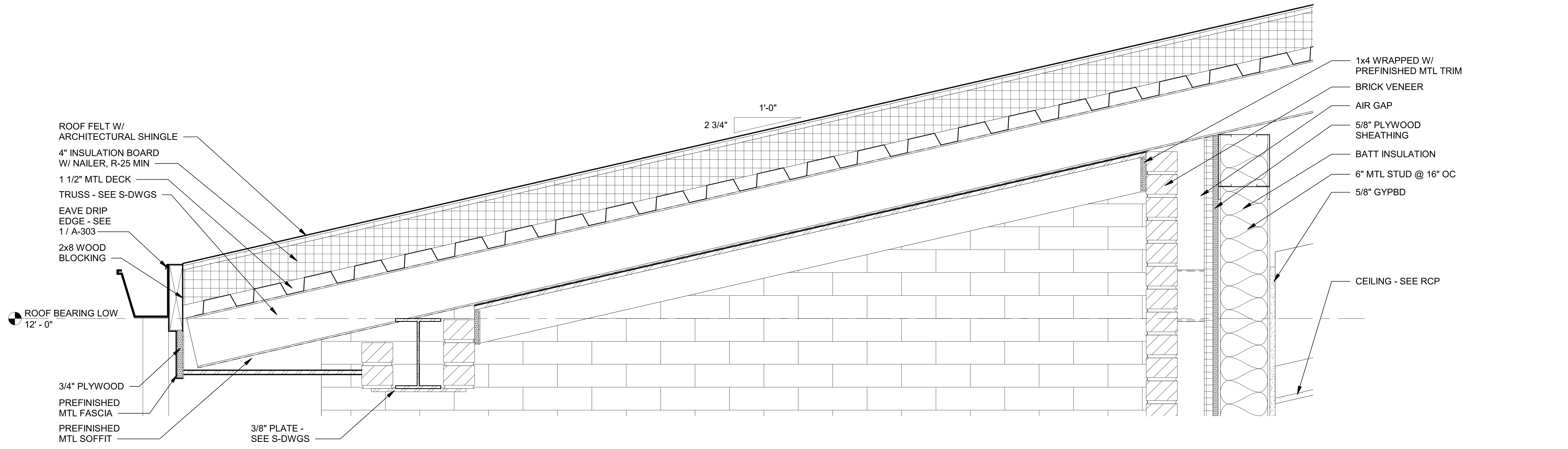
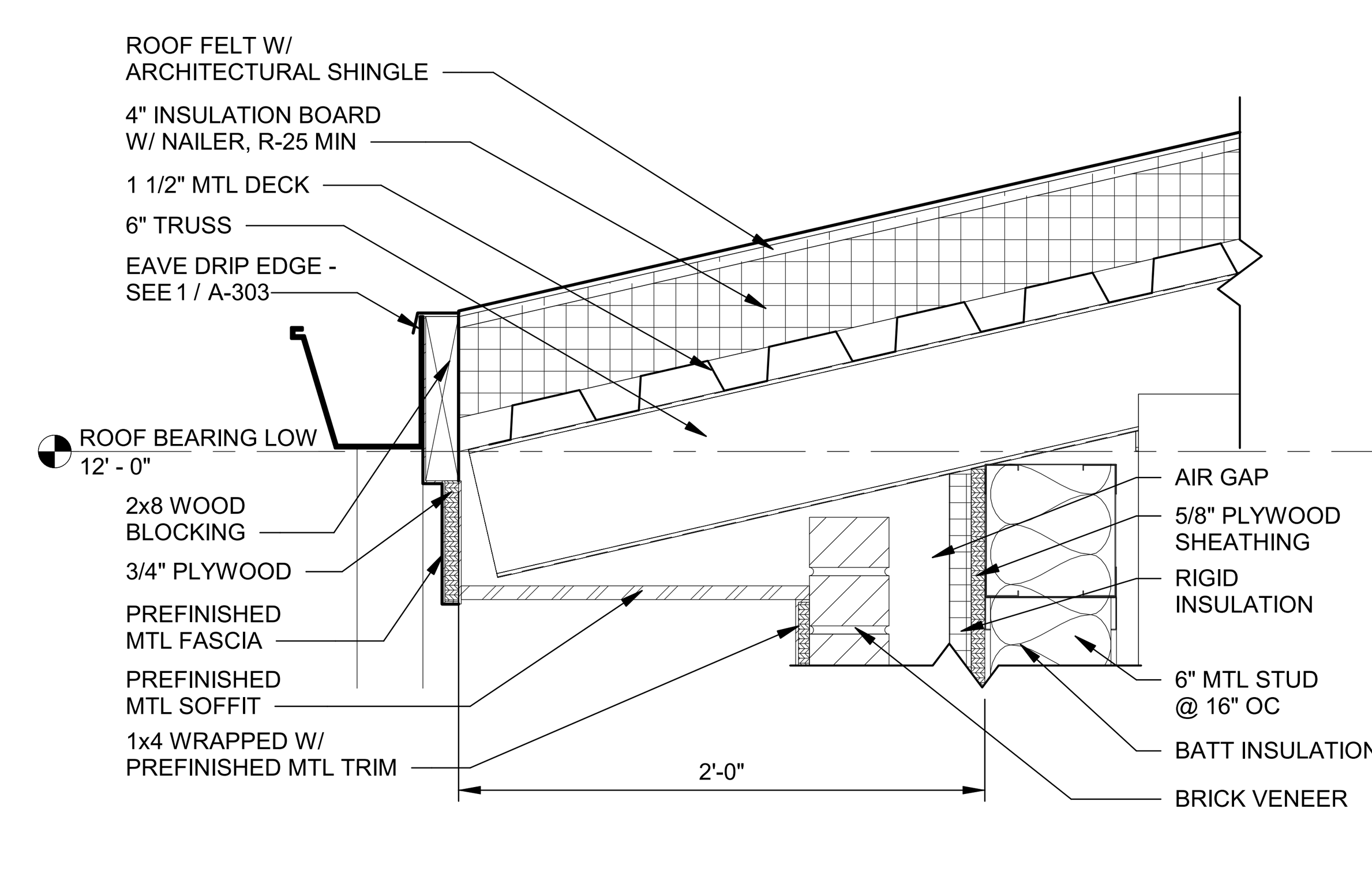
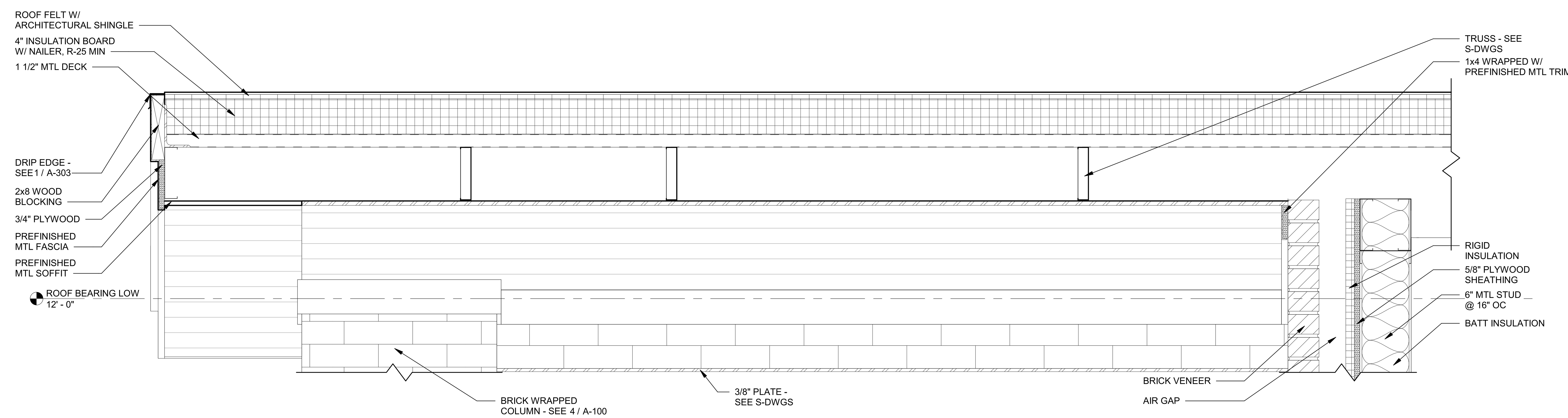


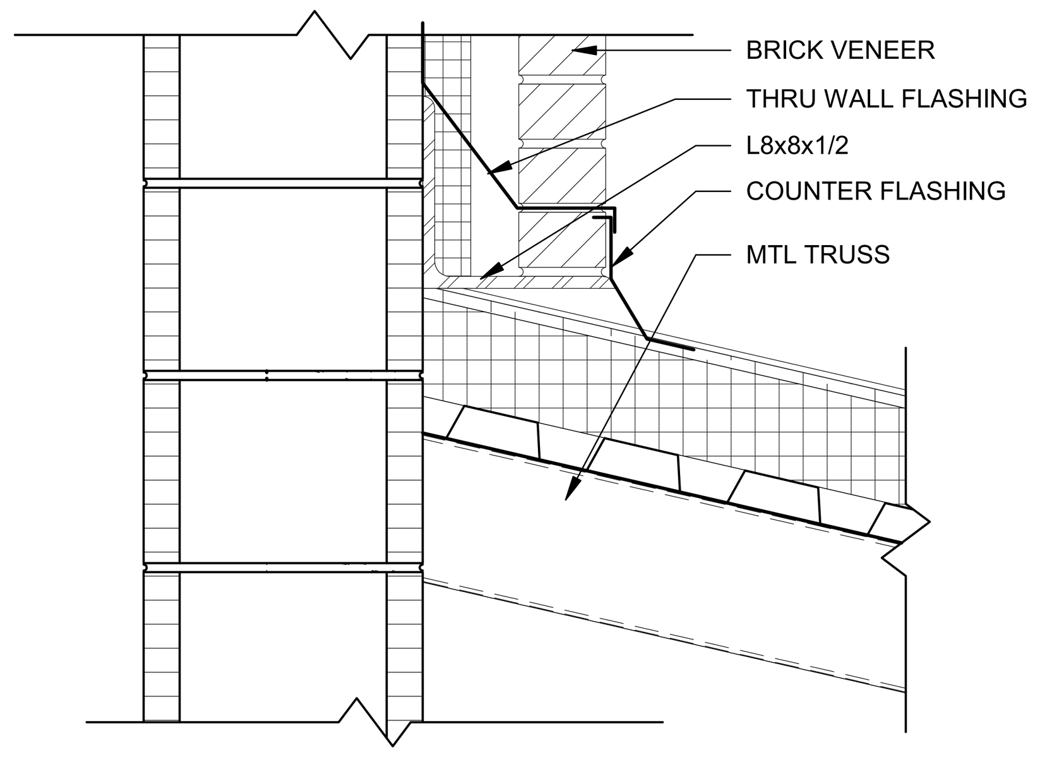
1 A-302 **LOBBY ENTRANCE DETAIL**
SCALE: 1 1/2" = 1'-0"



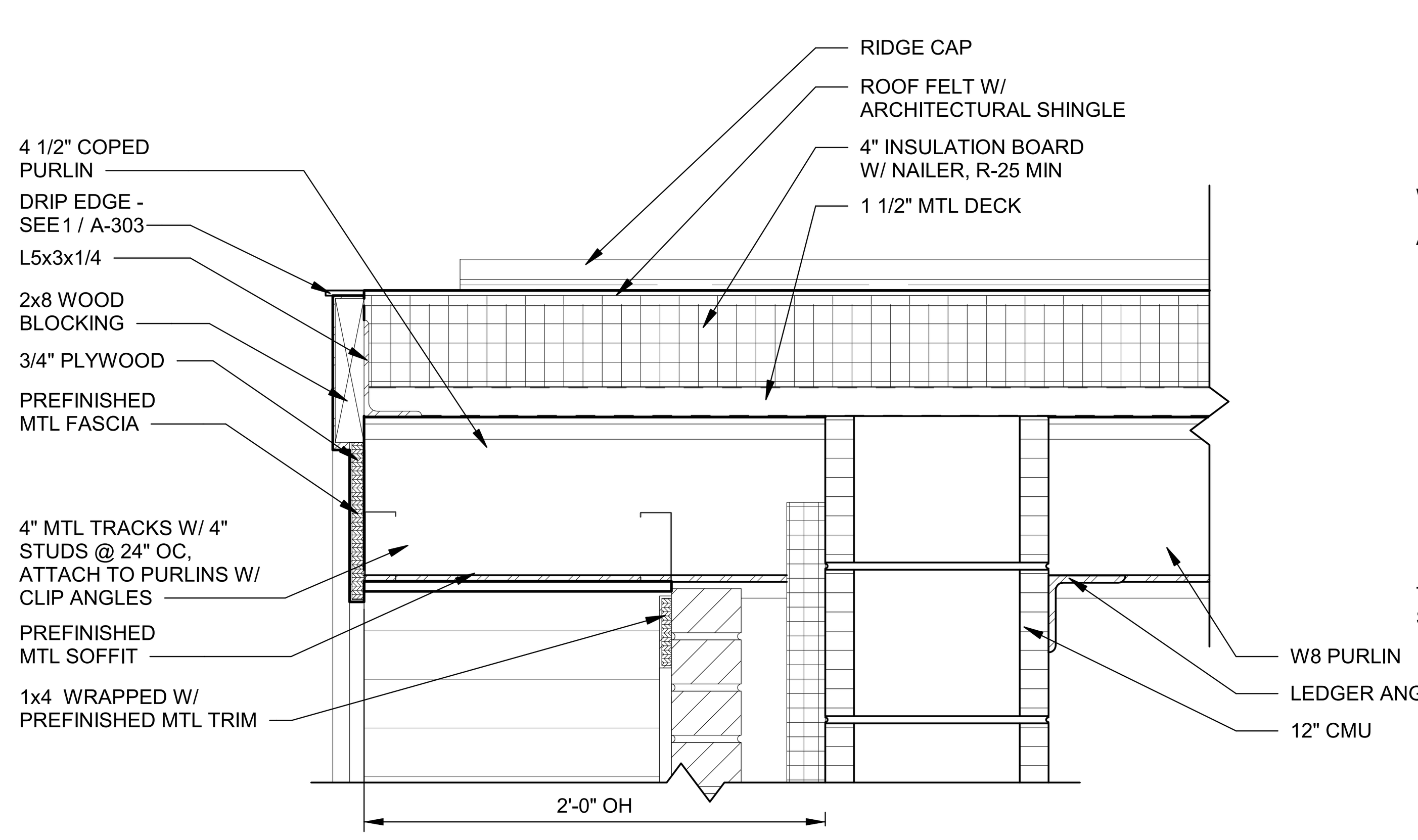
2 A-302 **ROOF OVERHANG**
SCALE: 1 1/2" = 1'-0"



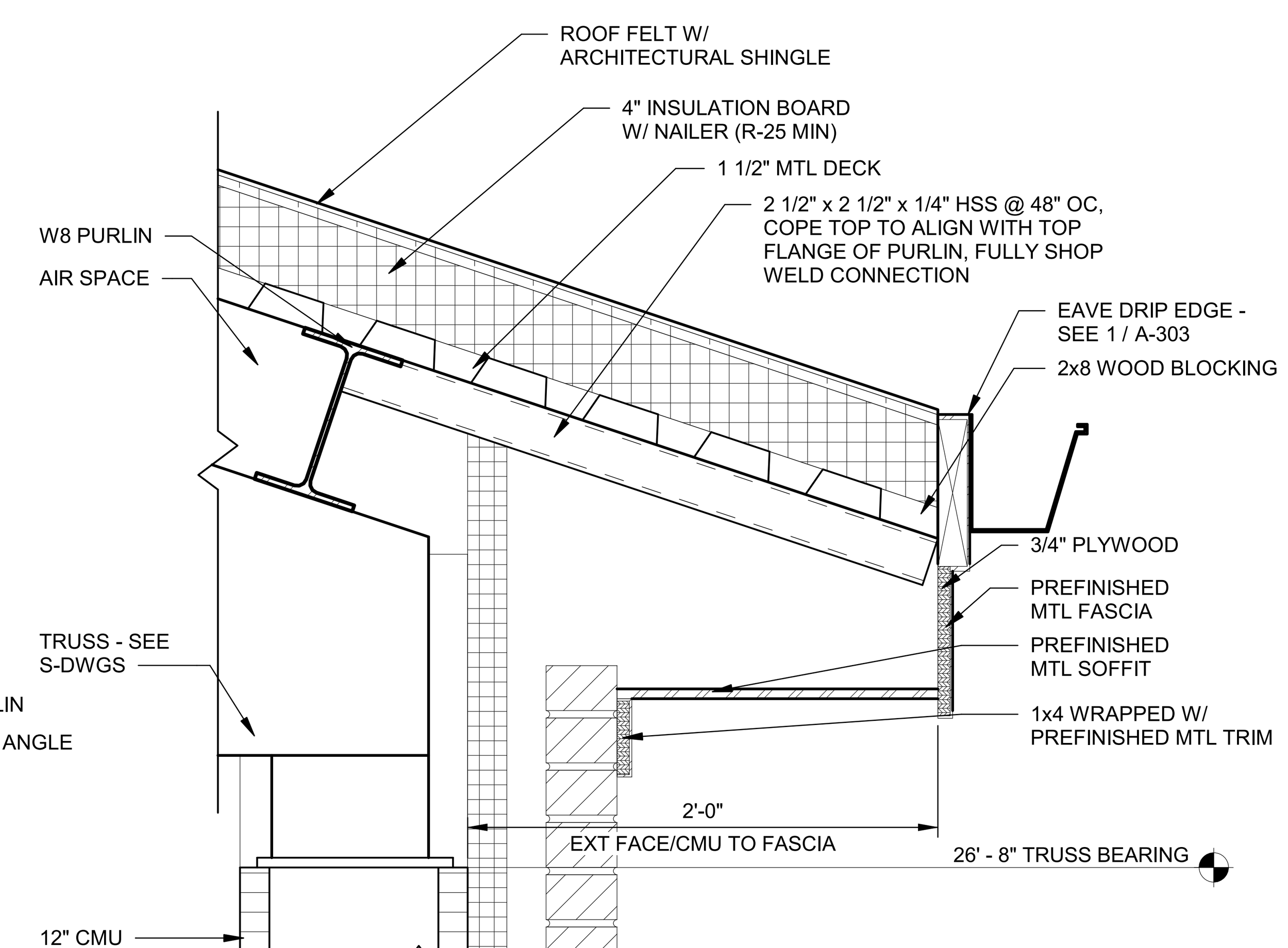
3 A-302 **LOBBY ENTRANCE DETAIL**
SCALE: 1 1/2" = 1'-0"



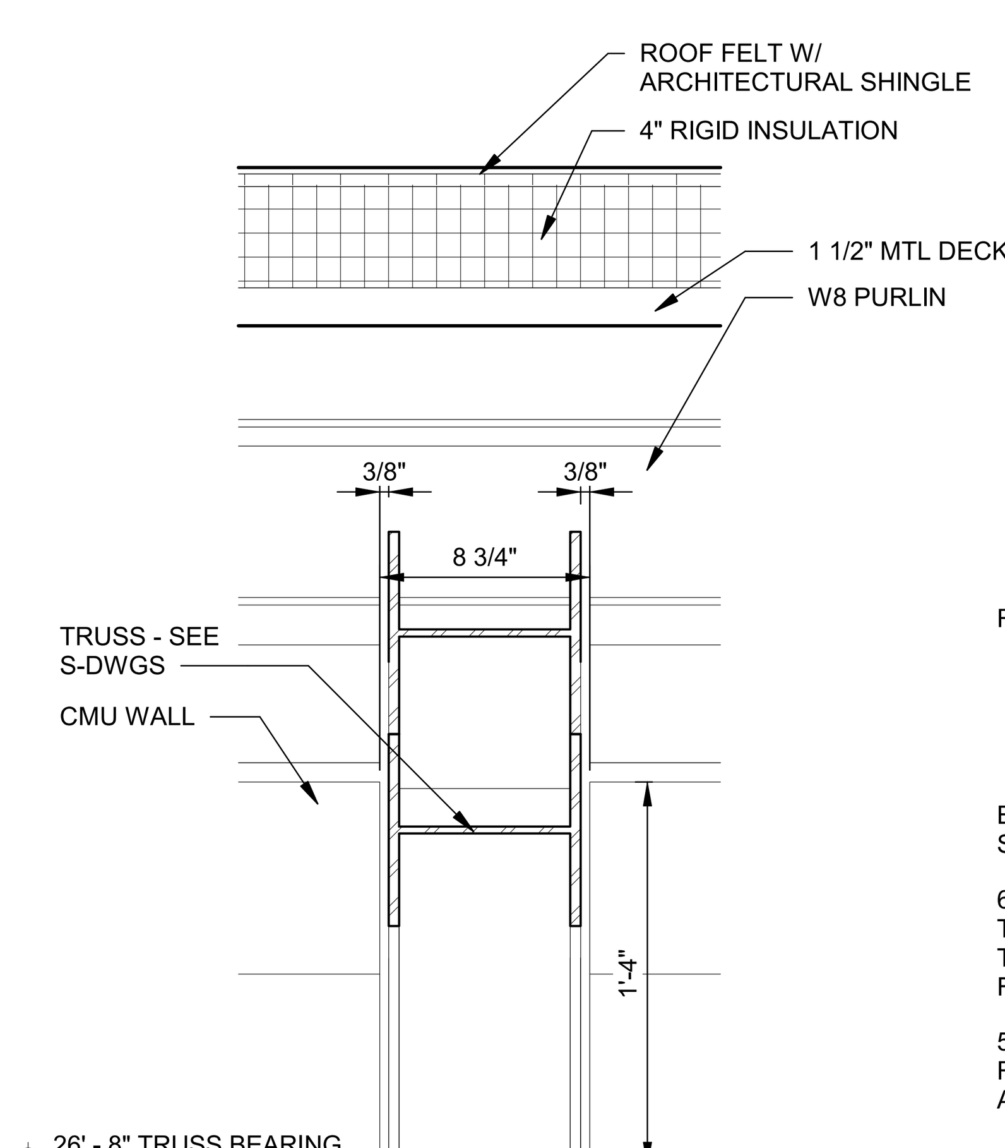
4 A-302 **LOW ROOF TO SIDEWALL DETAIL**
SCALE: 1 1/2" = 1'-0"



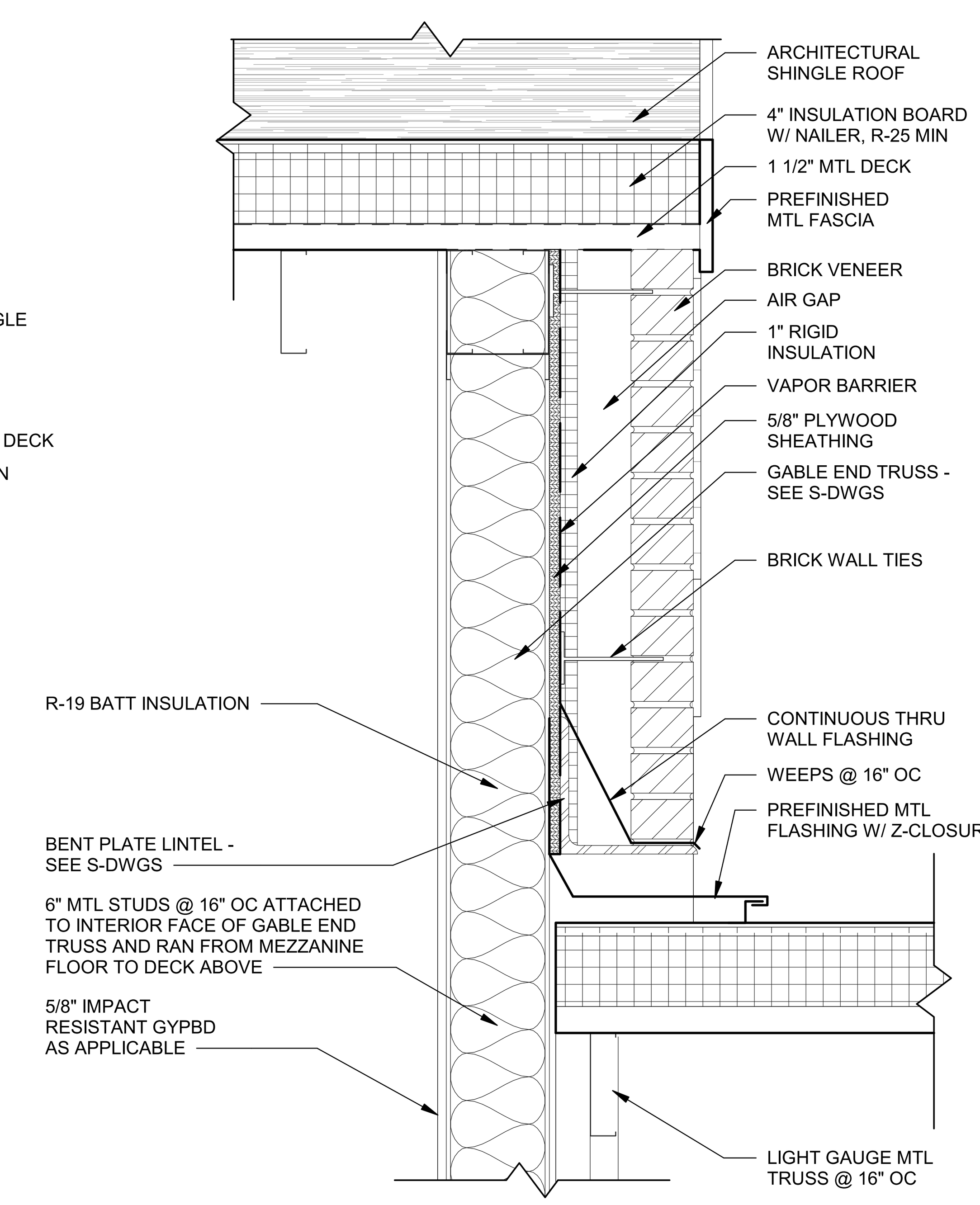
5 A-302 **ROOF OVERHANG**
SCALE: 1 1/2" = 1'-0"



6 A-302 **ROOF OVERHANG**
SCALE: 1 1/2" = 1'-0"



8 A-302 **TRUSS POCKET ELEVATION**
SCALE: 1 1/2" = 1'-0"



7 A-302 **MEZZANINE END WALL DETAIL**
SCALE: 1 1/2" = 1'-0"

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PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

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DATE:	04/03/2024

SHEET TITLE: **ROOF DETAILS**

SCALE: AS NOTED

DRAWING NO. **A-302** REV. **A**

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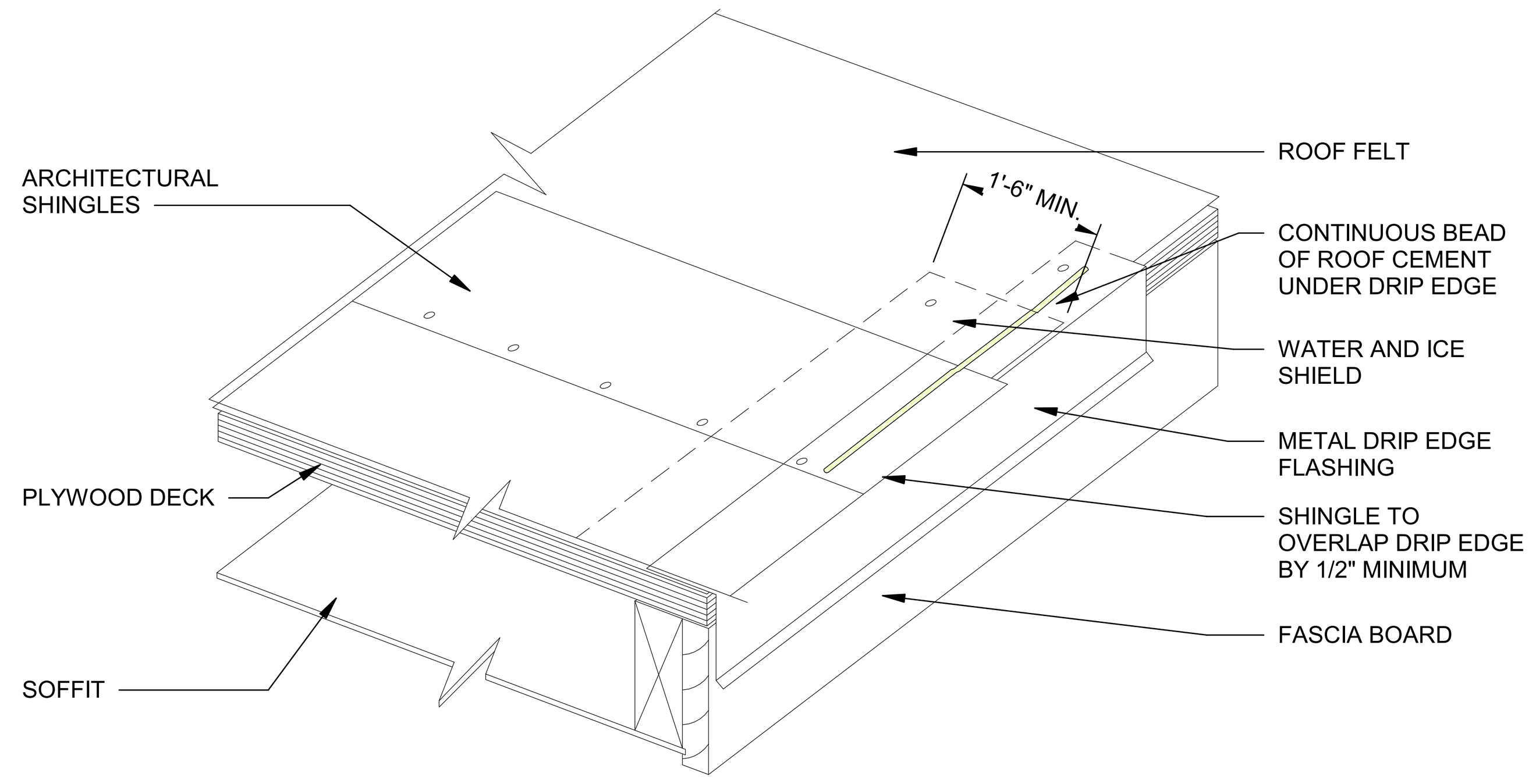
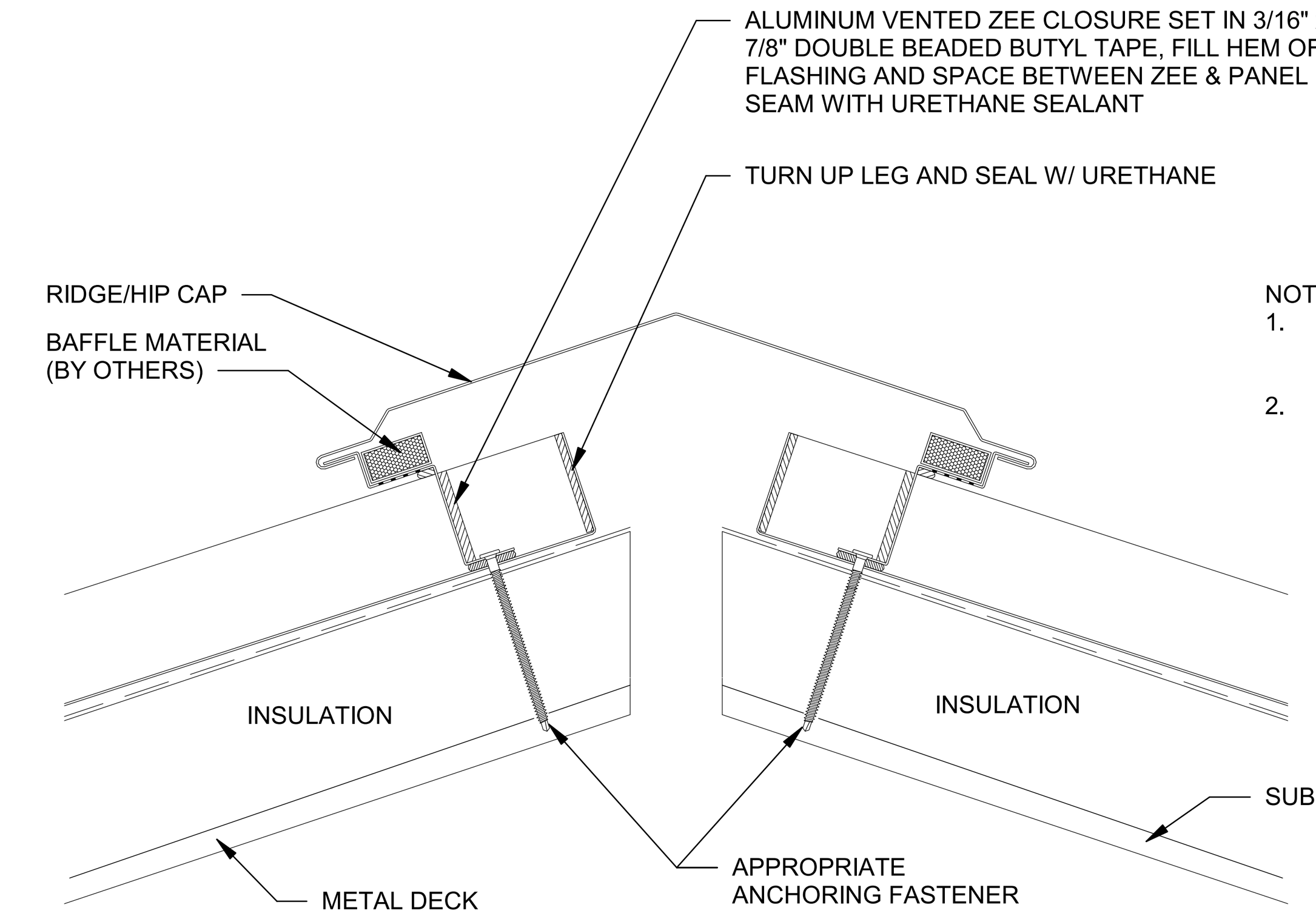


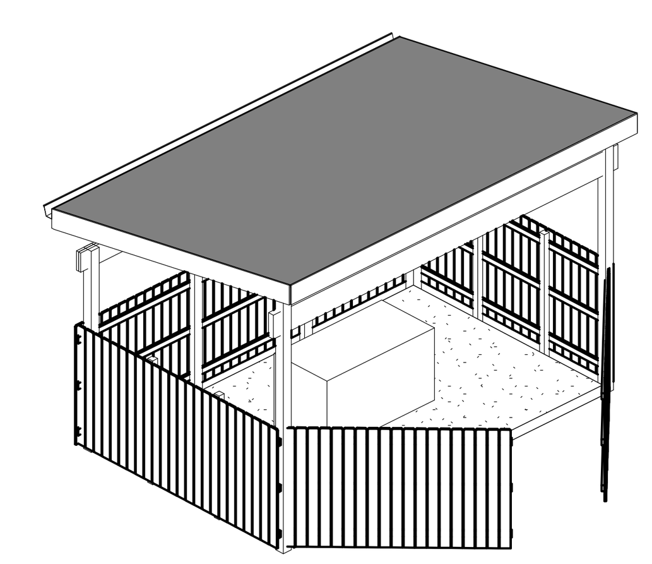
1 A-303 DRIP EDGE DETAIL
SCALE: 1/16" = 1'-0"



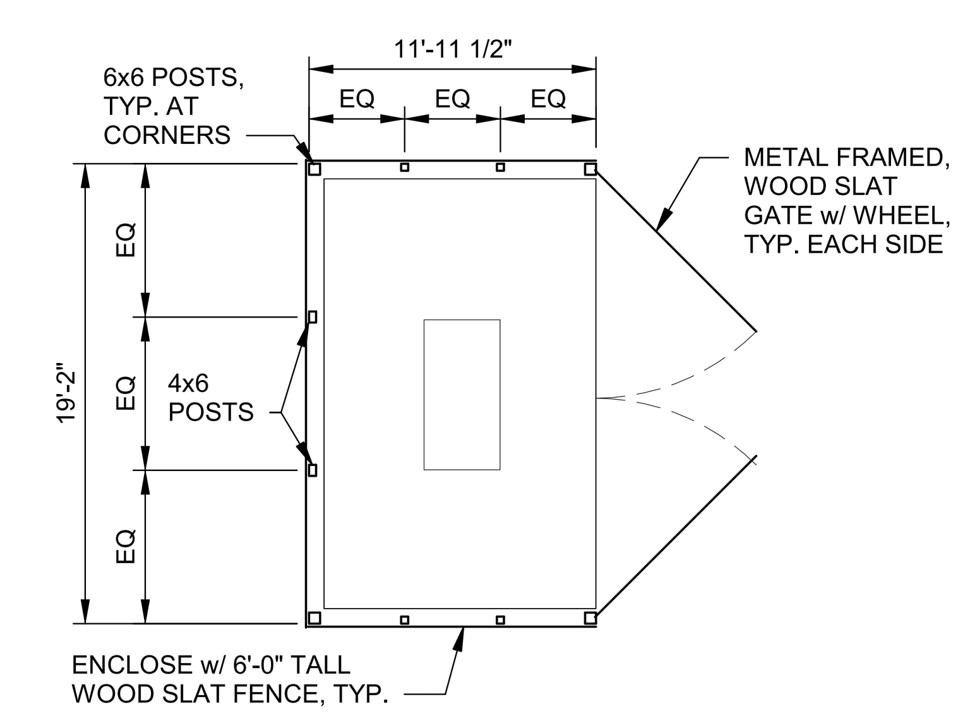
NOTES:
1. FIELD NOTCH ZEE CLOSURES. SET ZEE CLOSURE IN BUTYL TAPE AND SEAL AROUND REMAINING EDGES OF ZEE WITH URETHANE SEALANT.
2. APPLICATION DETAILS ARE FOR ILLUSTRATION PURPOSES ONLY AND MAY NOT BE APPROPRIATE FOR ALL BUILDING DESIGNS AND CONDITIONS.

2 A-303 VENTED RIDGE WITH Z-CLOSURE
SCALE: 6" = 1'-0"

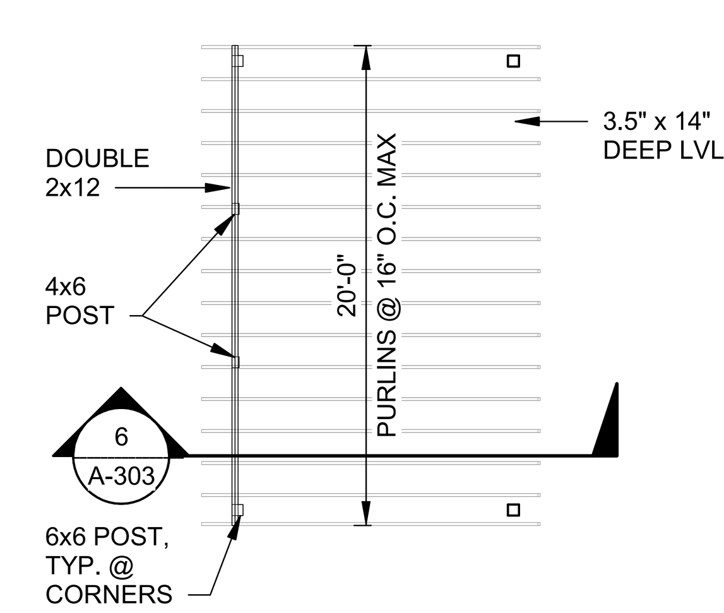
DUMPSTER ENCLOSURE
SEE CIVIL FOR ENCLOSURE LOCATION



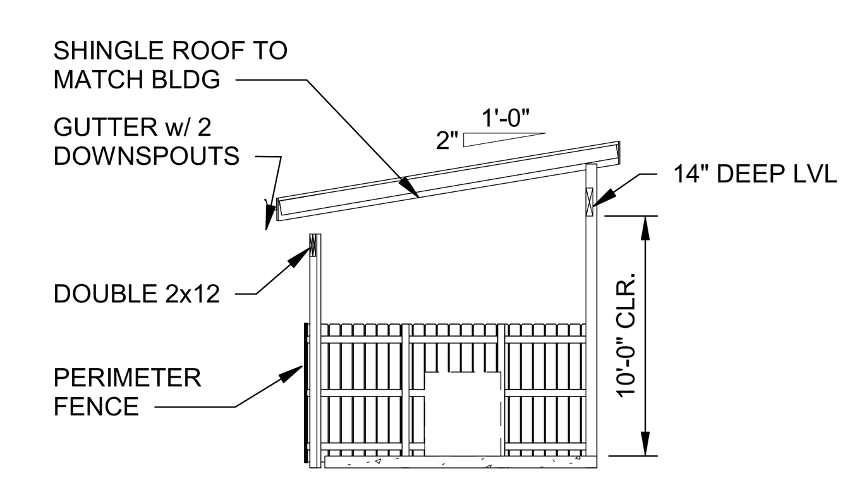
3 A-303 DUMPSTER PERSPECTIVE
NO SCALE



4 A-303 DUMPSTER PLAN
SCALE: 1/8" = 1'-0"



5 A-303 DUMPSTER ROOF PLAN
SCALE: 1/8" = 1'-0"



6 A-303 DUMPSTER COVER SECTION
SCALE: 1/8" = 1'-0"

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PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

REGISTERED ARCHITECT
04/29/2025

GEORGIA
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. PEF000356
EXPIRATION DATE: JUNE 30, 2026
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CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:
ROOF DETAILS & DUMPSTER ENCLOSURE DETAILS

SCALE: AS NOTED
DRAWING NO.: **A-303**
REV.: **A**

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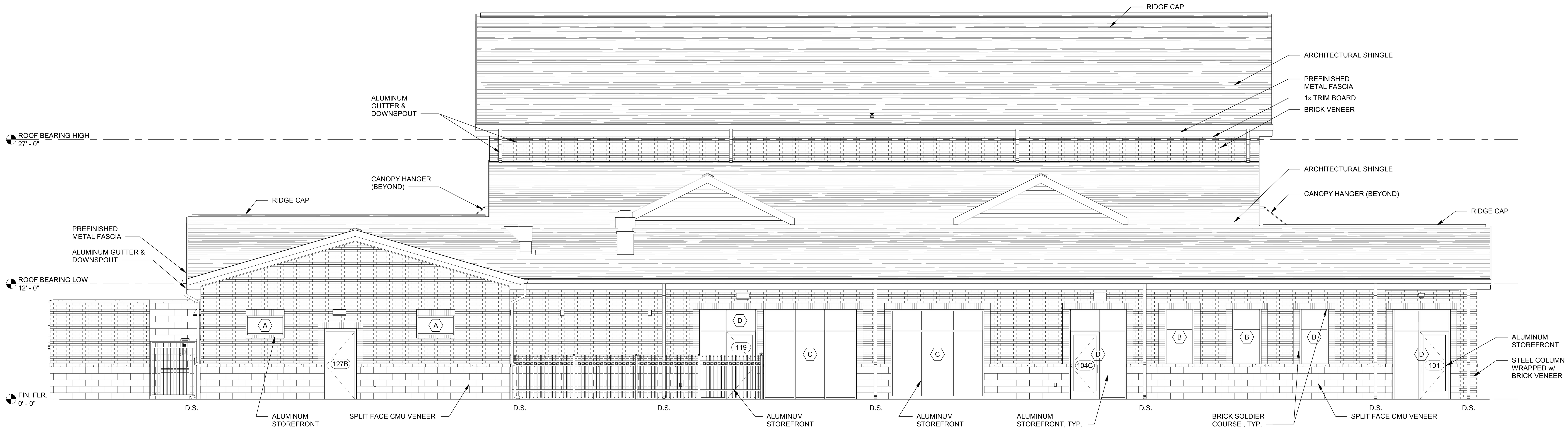
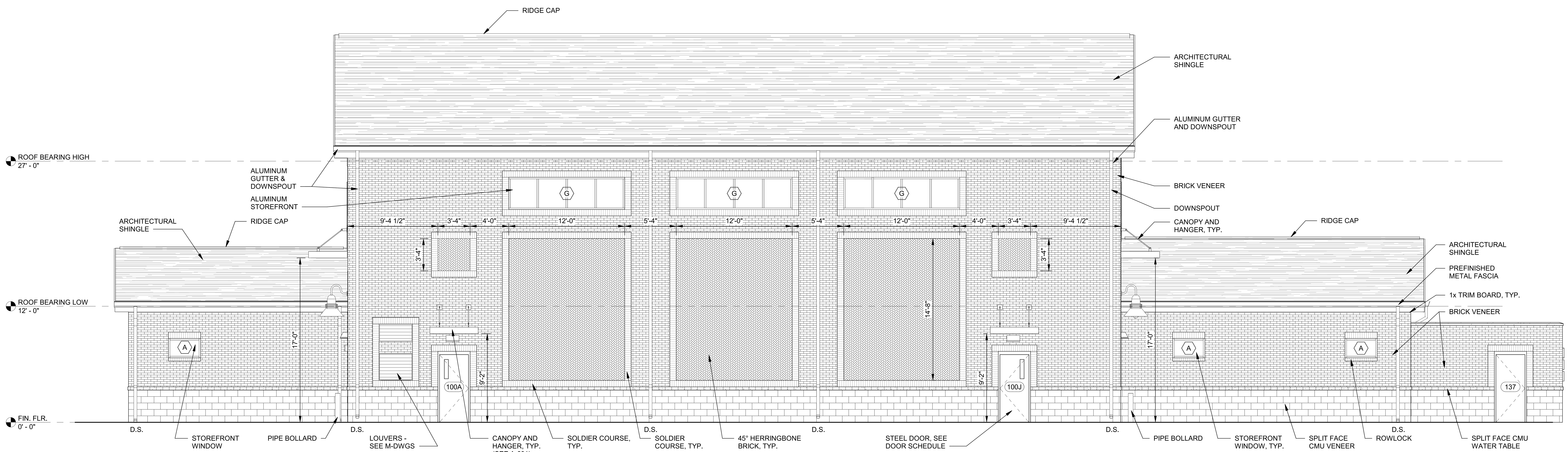


1 A-401 **WEST ELEVATION**
SCALE: 3/16" = 1'-0"



2 A-401 **EAST ELEVATION**
SCALE: 3/16" = 1'-0"

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DATE:	04/03/2024

SHEET TITLE:
EXTERIOR ELEVATIONS

SCALE: AS NOTED
DRAWING NO. **A-401** REV. **A**

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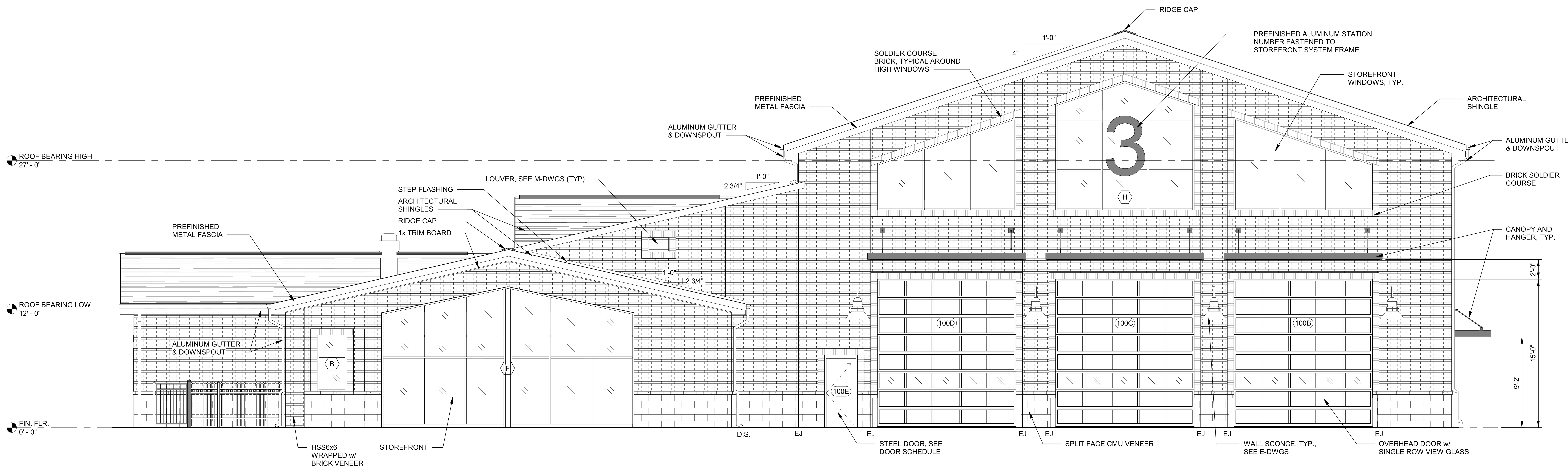
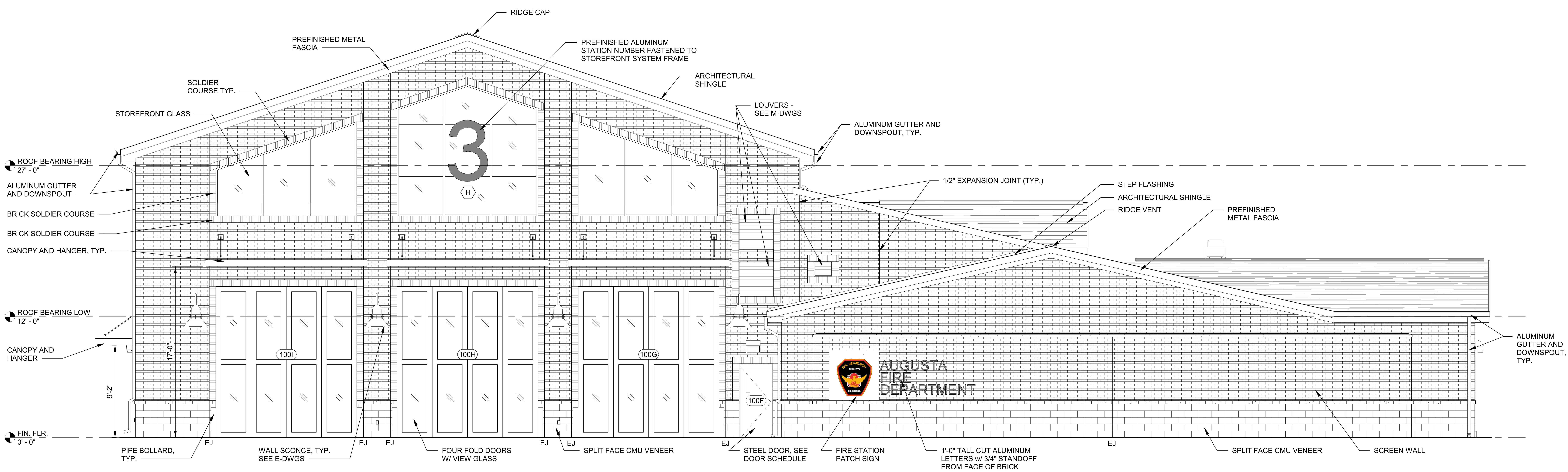


1 A-402 **SOUTH ELEVATION**
SCALE: 3/16" = 1'-0"



2 A-402 **NORTH ELEVATION**
SCALE: 3/16" = 1'-0"

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DATE:	04/03/2024

SHEET TITLE:
EXTERIOR ELEVATIONS

SCALE: AS NOTED

DRAWING NO.: **A-402** REV.: **A**

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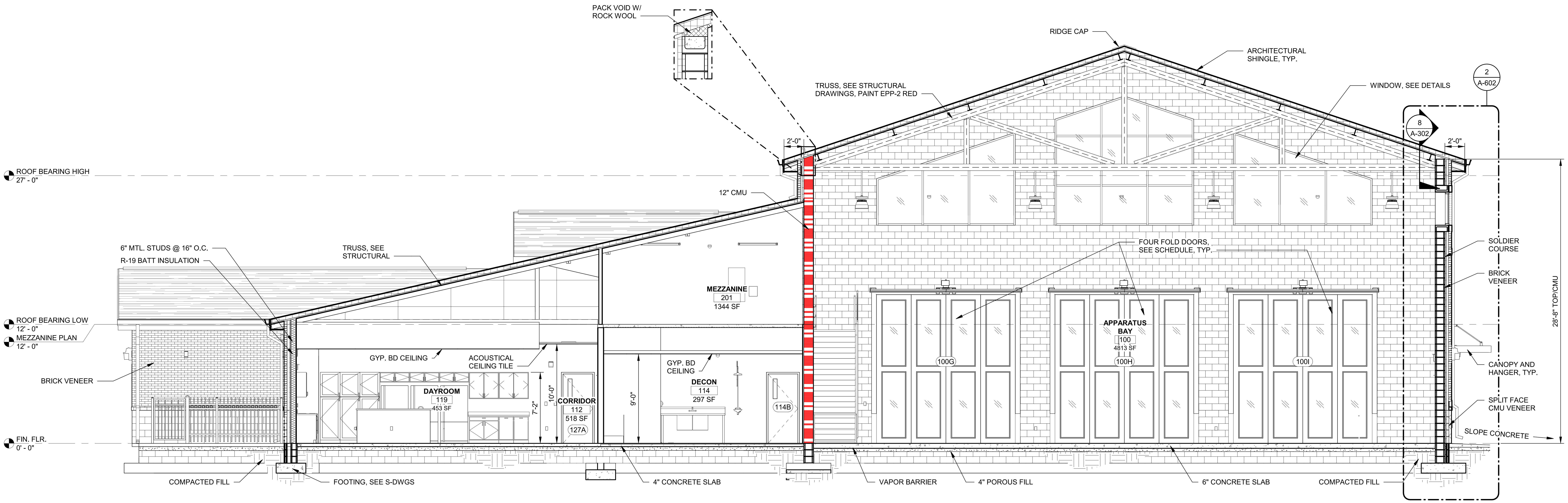
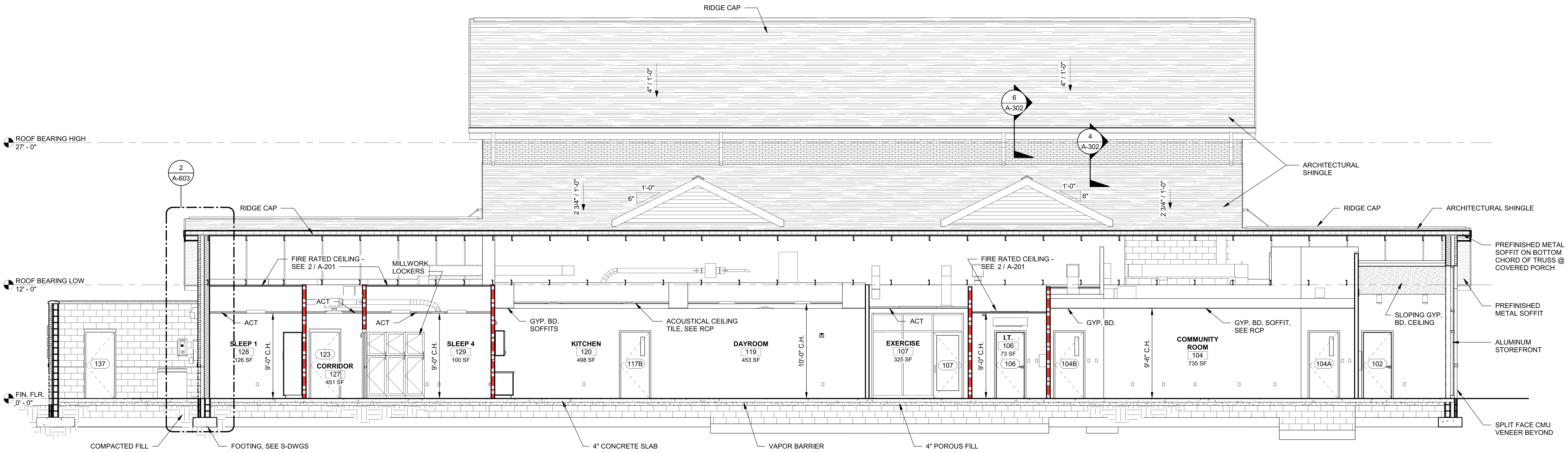


1 A-501 **SECTION**
SCALE: 3/16" = 1'-0"



2 A-501 **SECTION**
SCALE: 3/16" = 1'-0"

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA — JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 — CERTIFICATE OF AUTHORIZATION

04/29/2025

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	CTH/JNA
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:
BUILDING SECTIONS

SCALE: AS NOTED
DRAWING NO.: A-501
REV.: A

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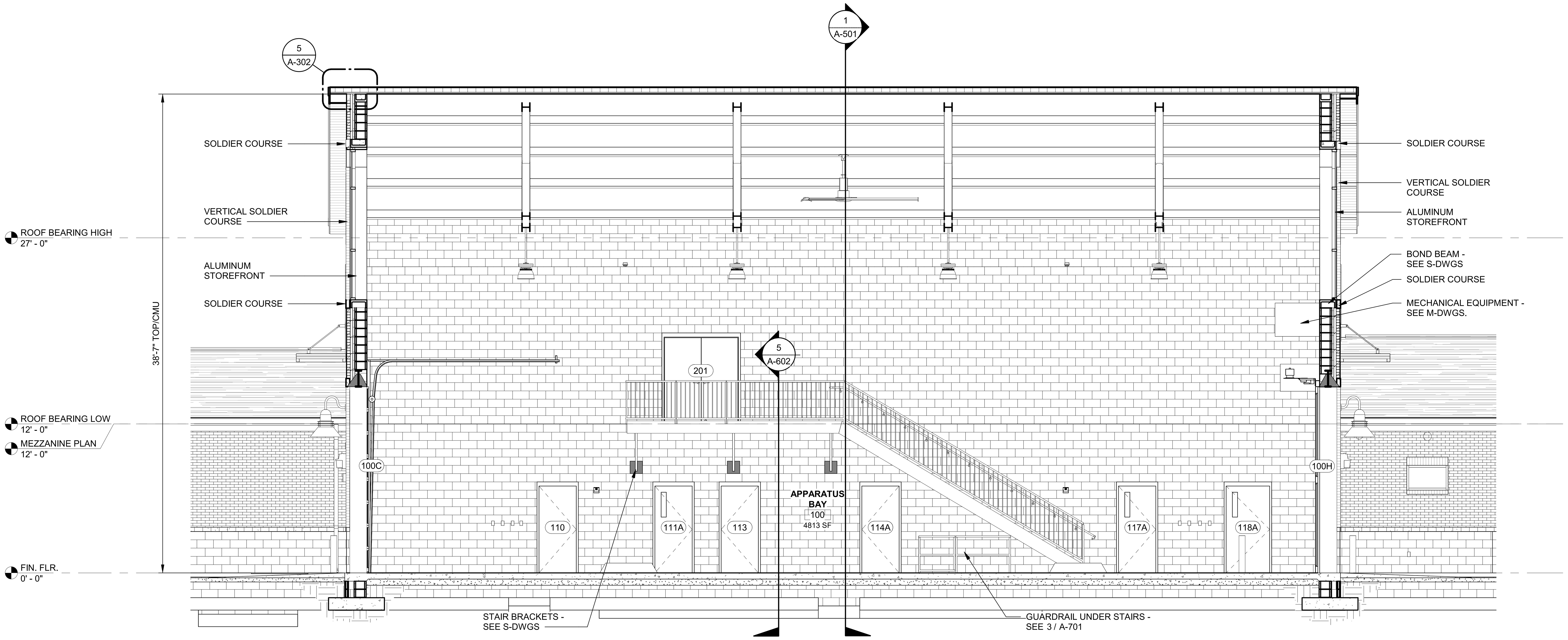

1
A-502
SECTION THRU APPARATUS BAY
SCALE: 3/16" = 1'-0"

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CLIENT:
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535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME:
FIRE STATION #3

PROJECT LOCATION:
2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. PEF000356
EXPIRATION DATE: JUNE 30, 2026
CERTIFICATE OF AUTHORIZATION

24/29/2025

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:
BUILDING SECTIONS

SCALE: AS NOTED
DRAWING NO.: A-502
REV.: A

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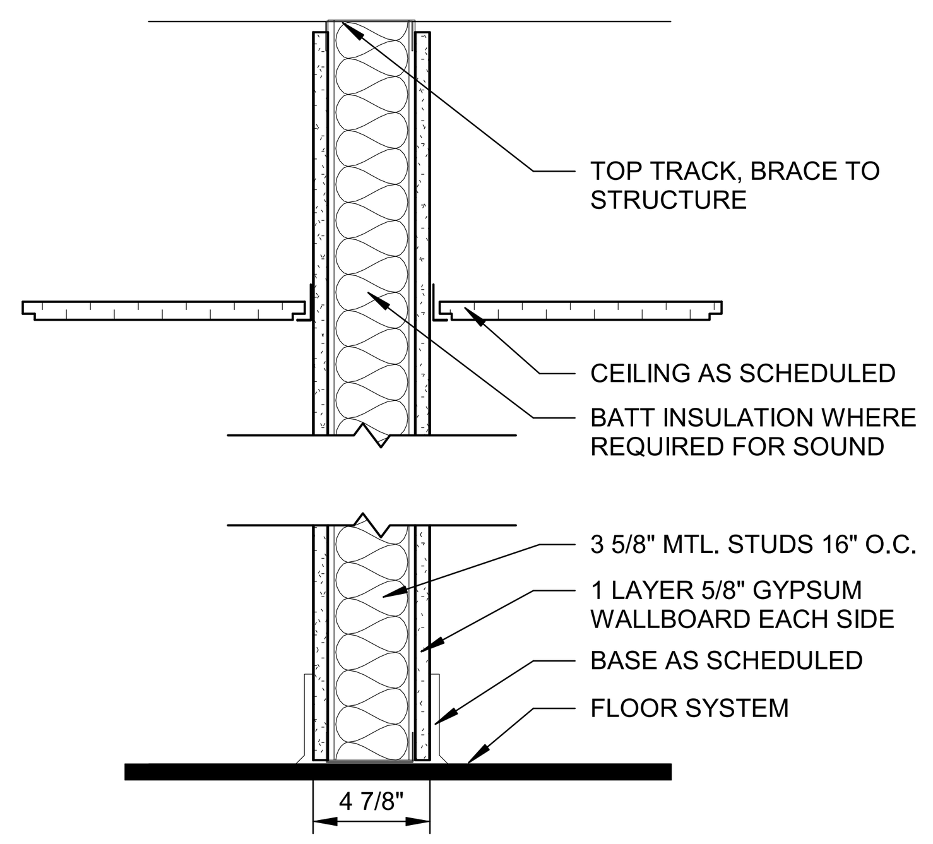

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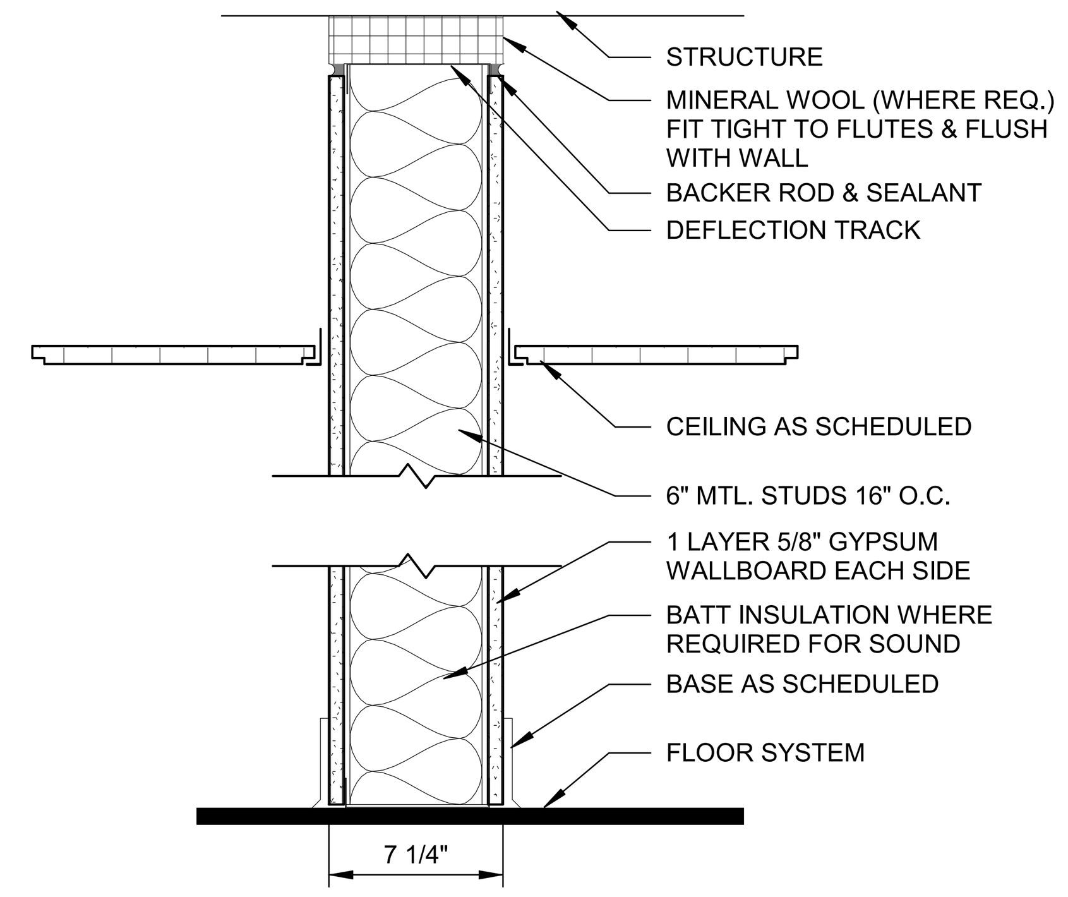
N/A	N/A	N/A



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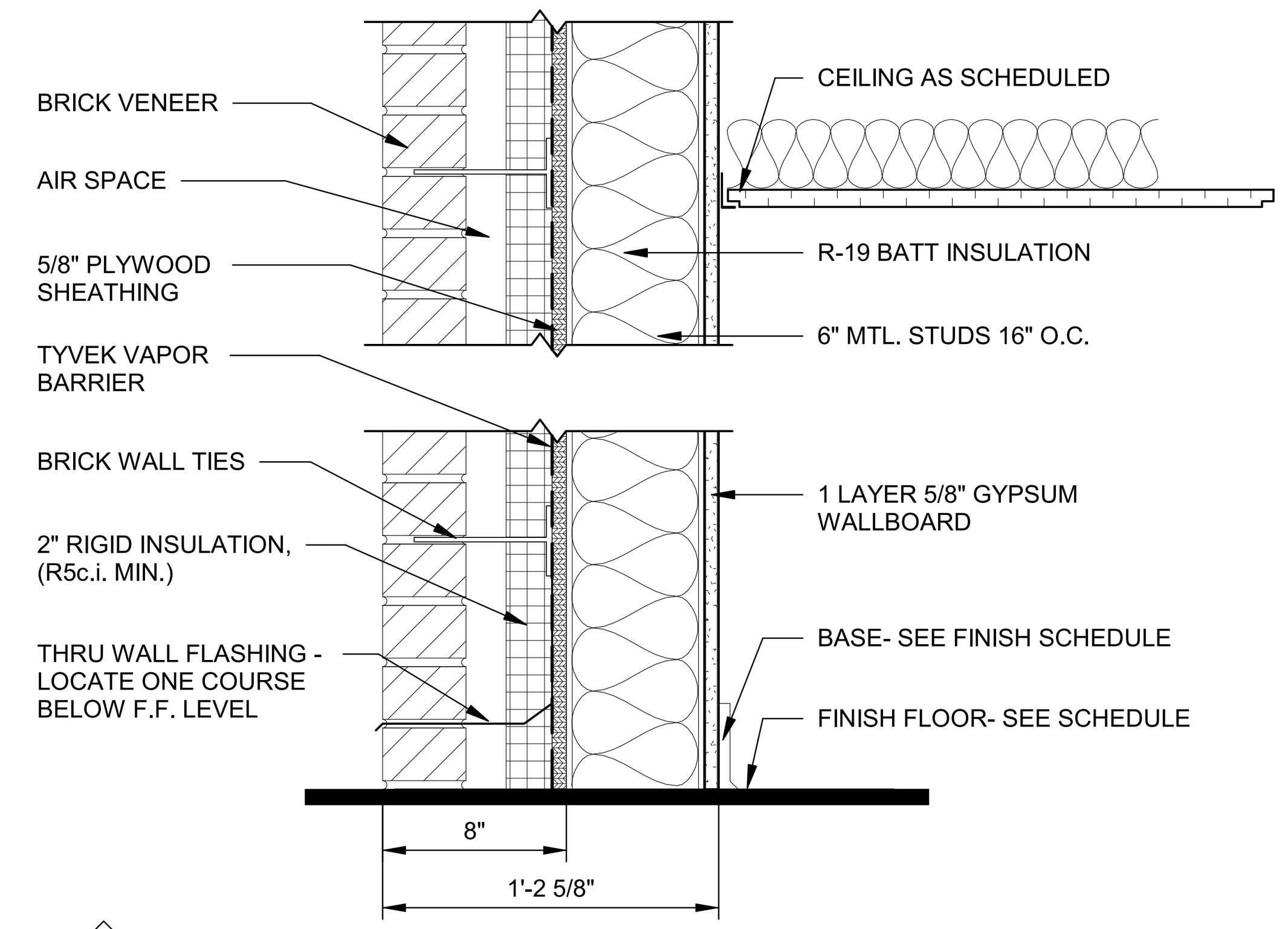
N/A	N/A	N/A



3

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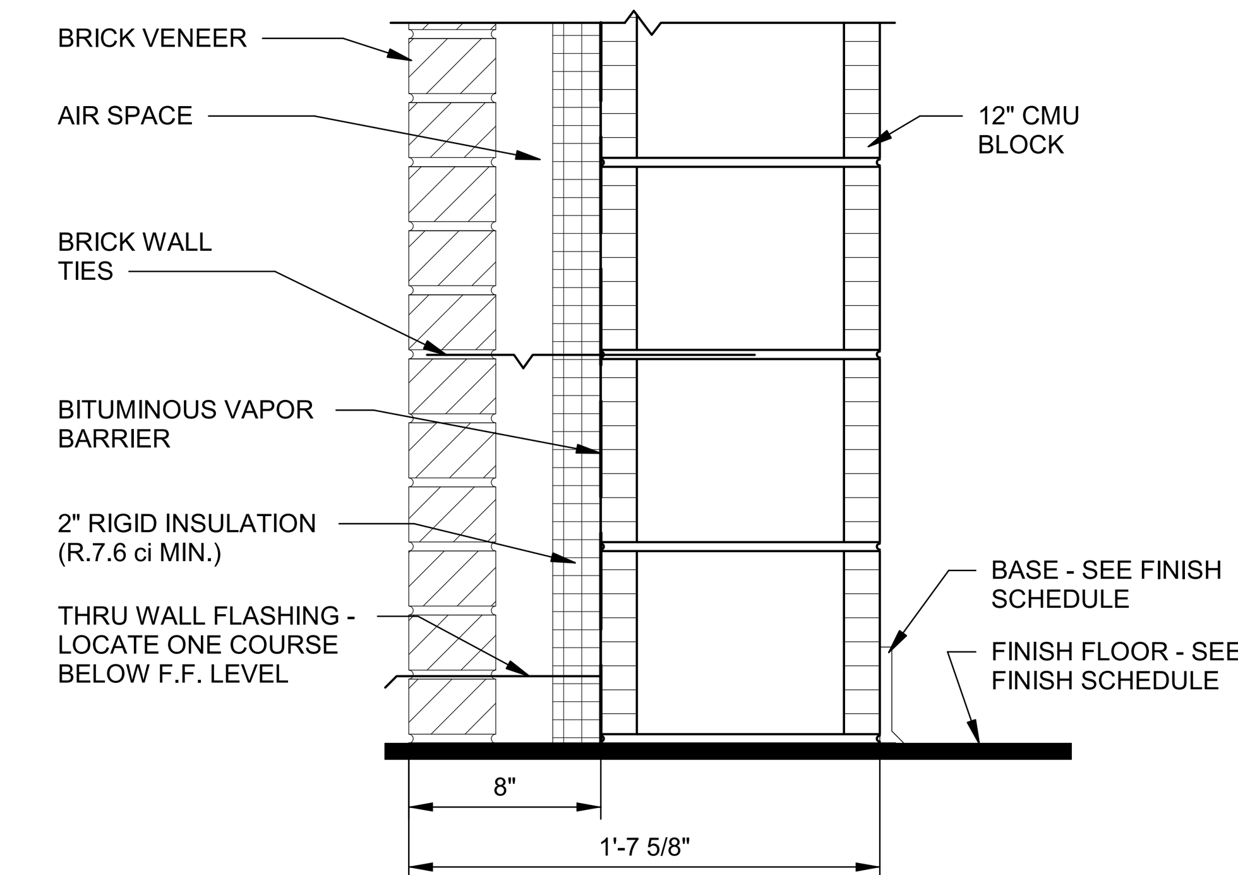
N/A	N/A	N/A



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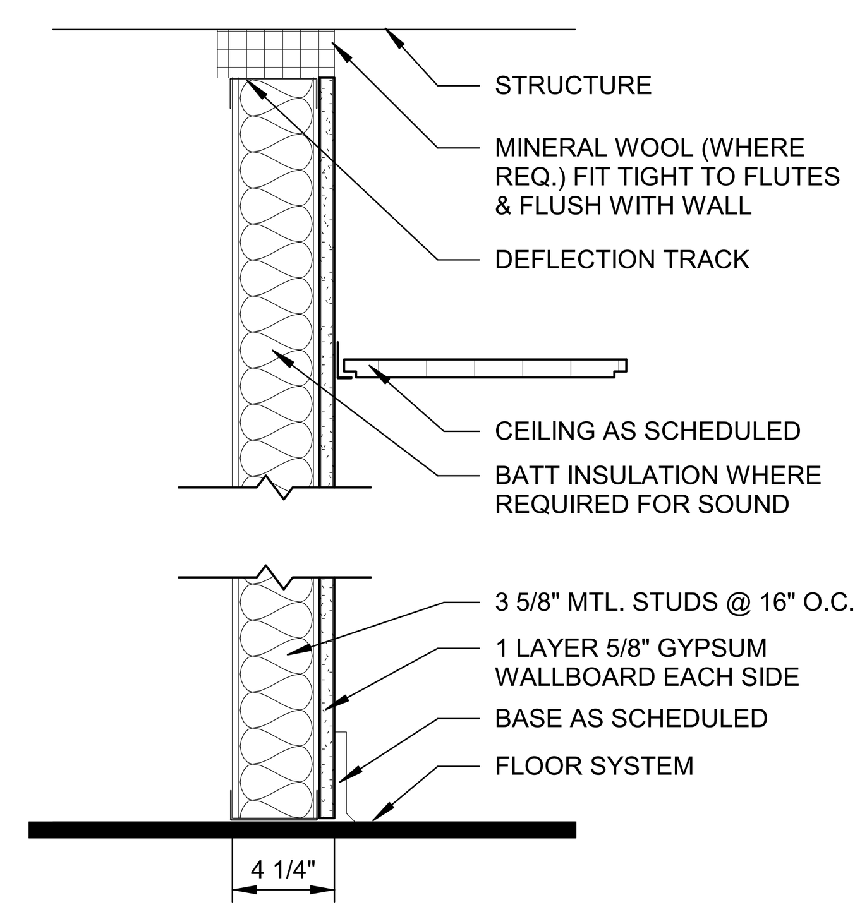
N/A	N/A	N/A



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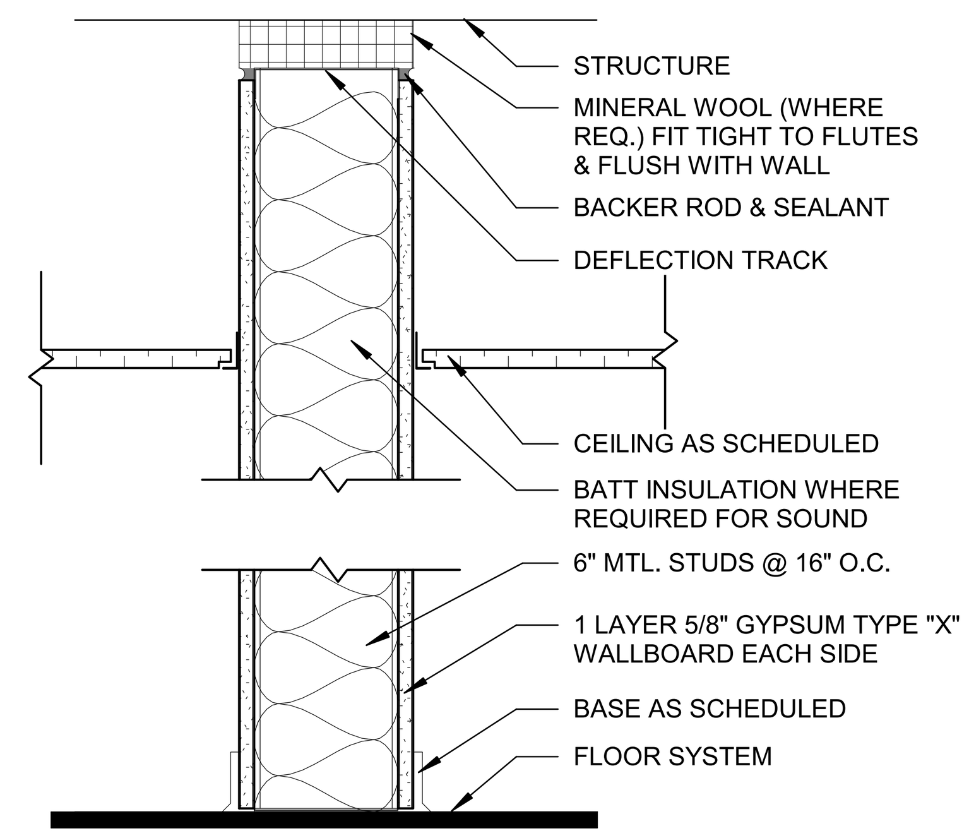
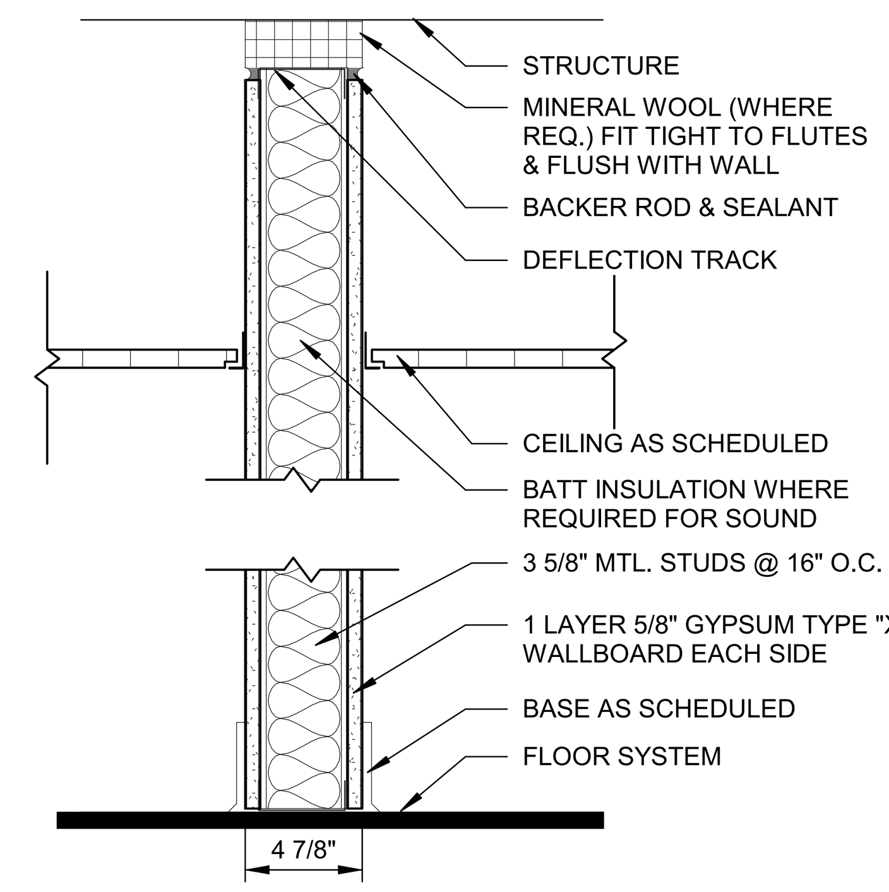
FIRE RATING	UL TEST NO.	STC RATING - N/A
N/A	N/A	N/A



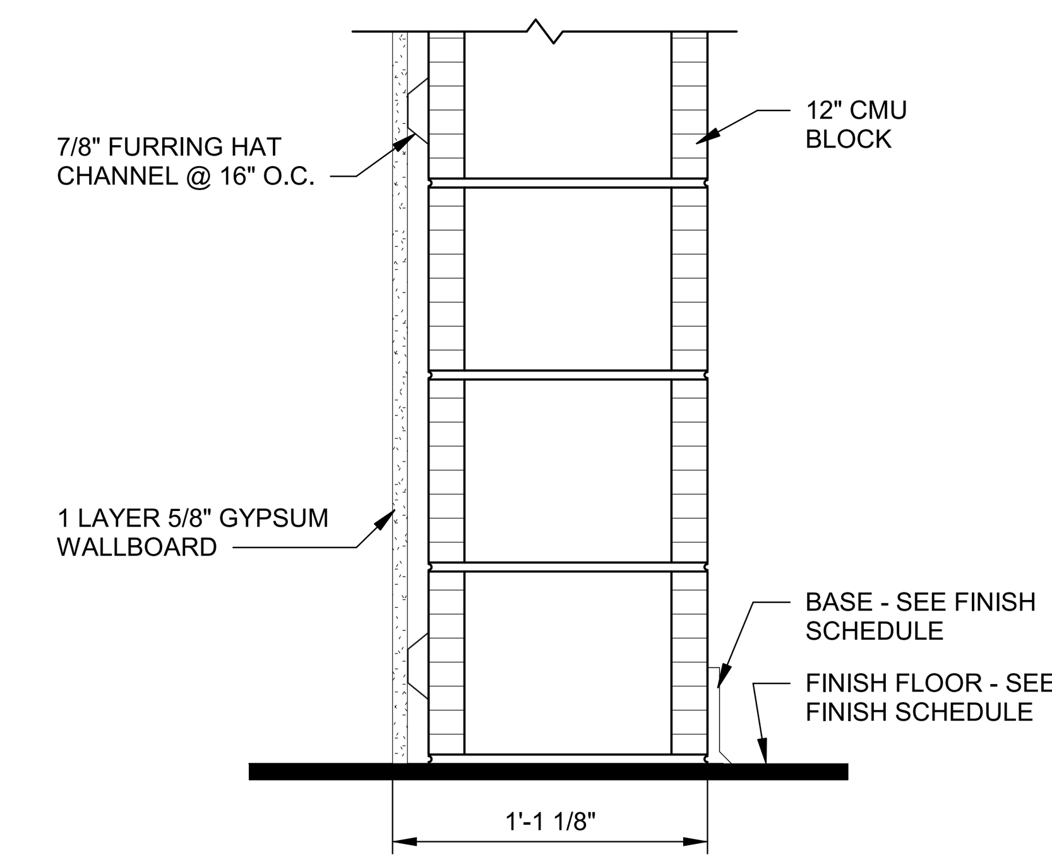
6

FIRE RATING	UL TEST NO.	STC RATING - N/A
1 HR	V465	N/A



7

FIRE RATING	UL TEST NO.	STC RATING - N/A
1 HR	V465	N/A



8

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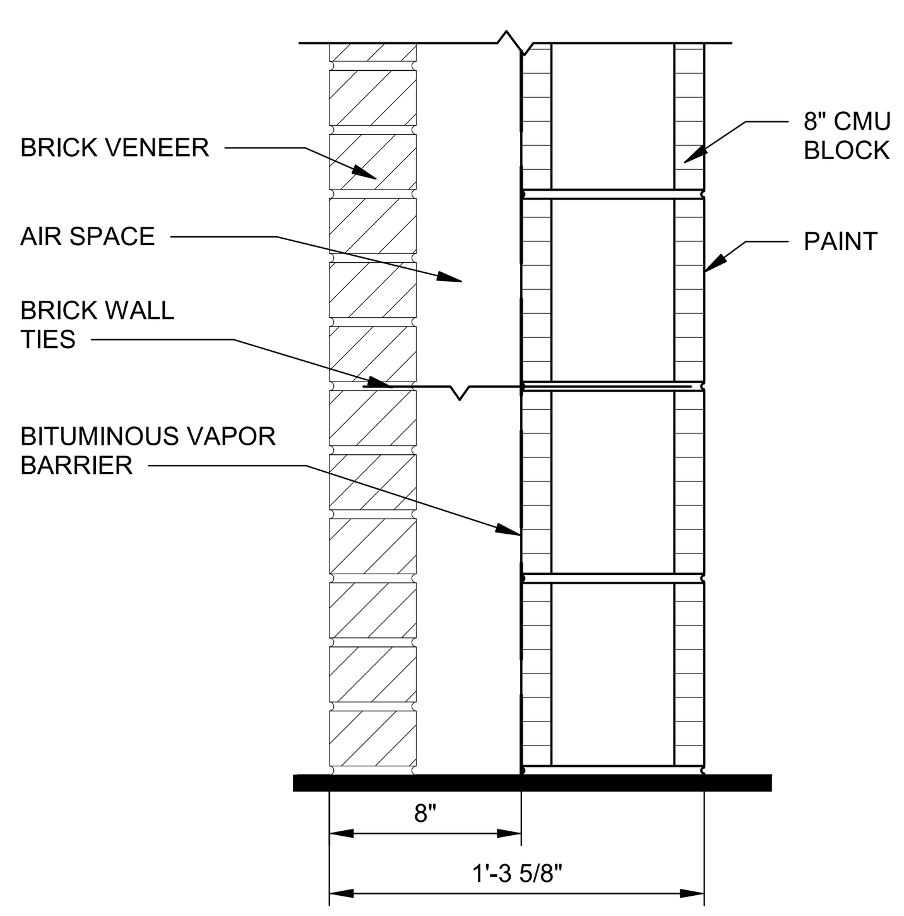
1 HR	U906	N/A



9

FIRE RATING	UL TEST NO.	STC RATING - N/A
N/A	N/A	N/A

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PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

04/29/2025

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:

WALL TYPES

SCALE: AS NOTED

DRAWING NO.: A-601 REV.: A

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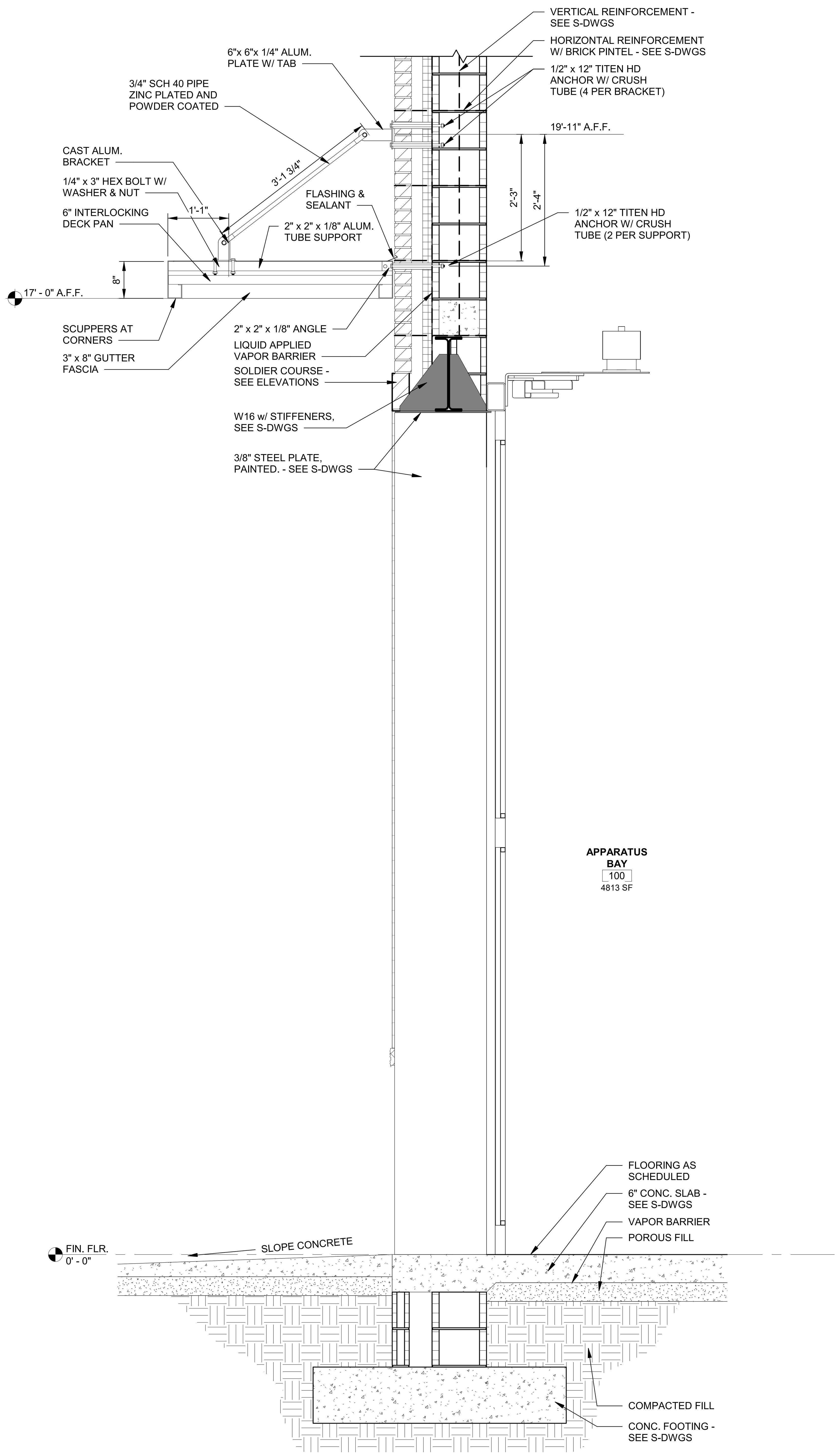
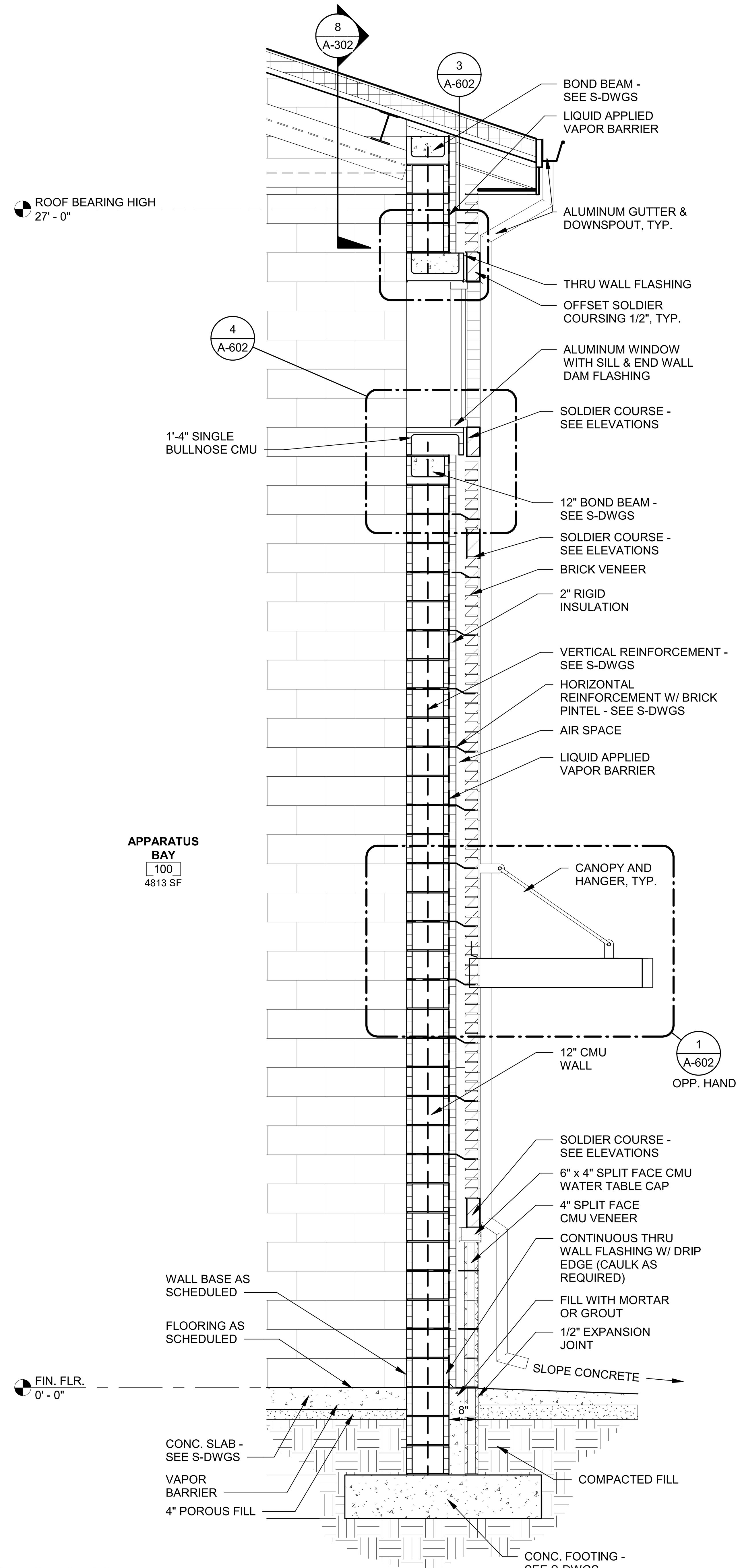
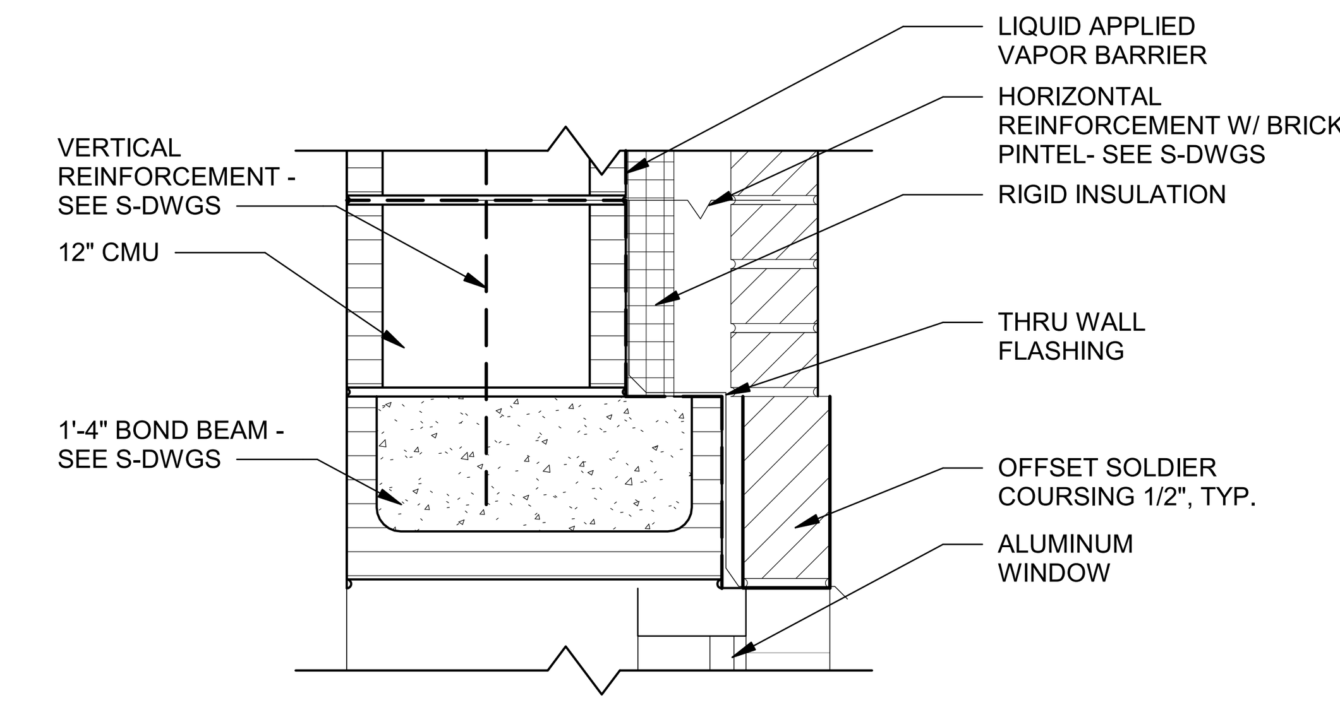


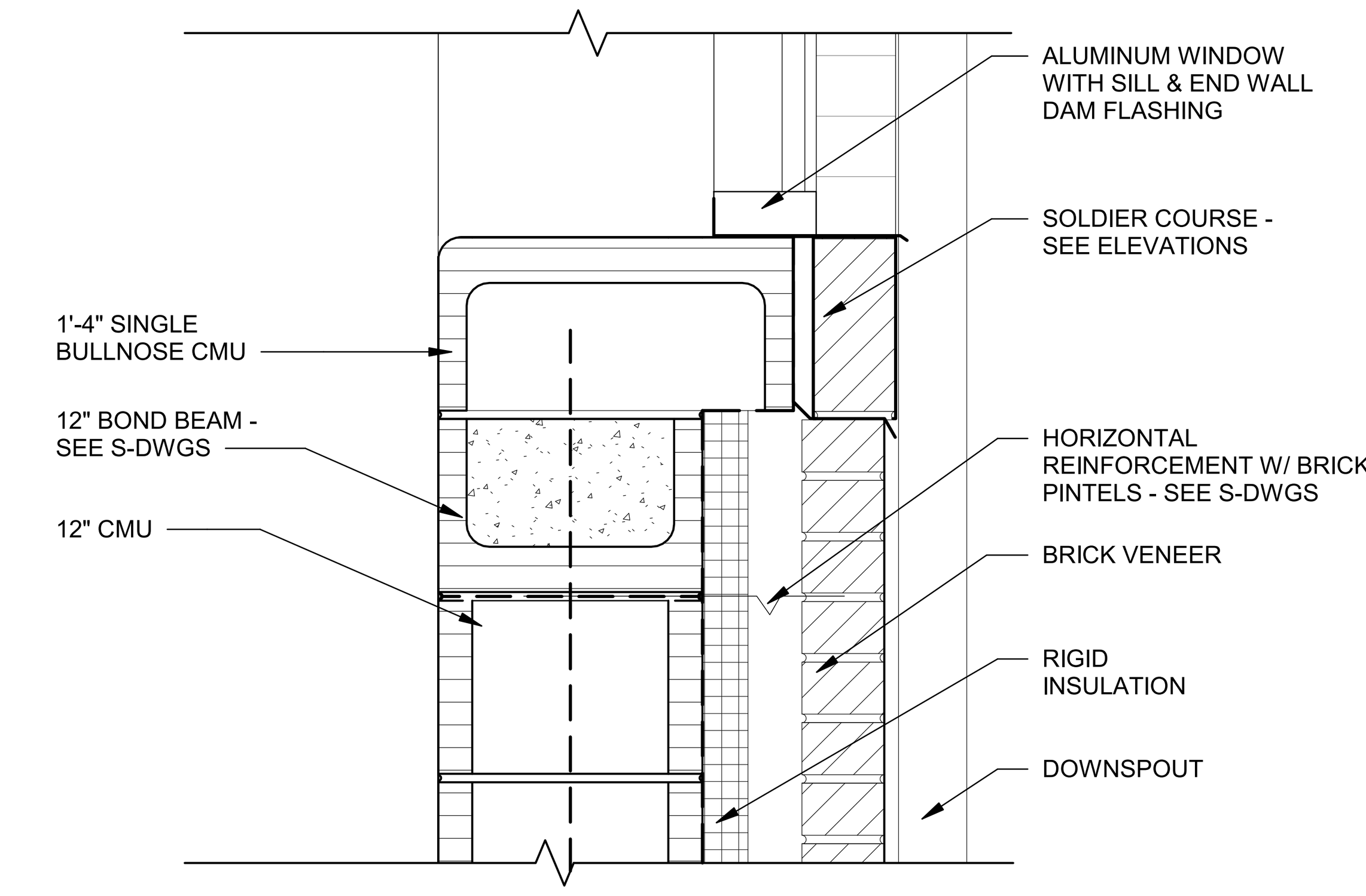
1 A-602 **HELIOS CANOPY SECTION**
SCALE: 3/4" = 1'-0"



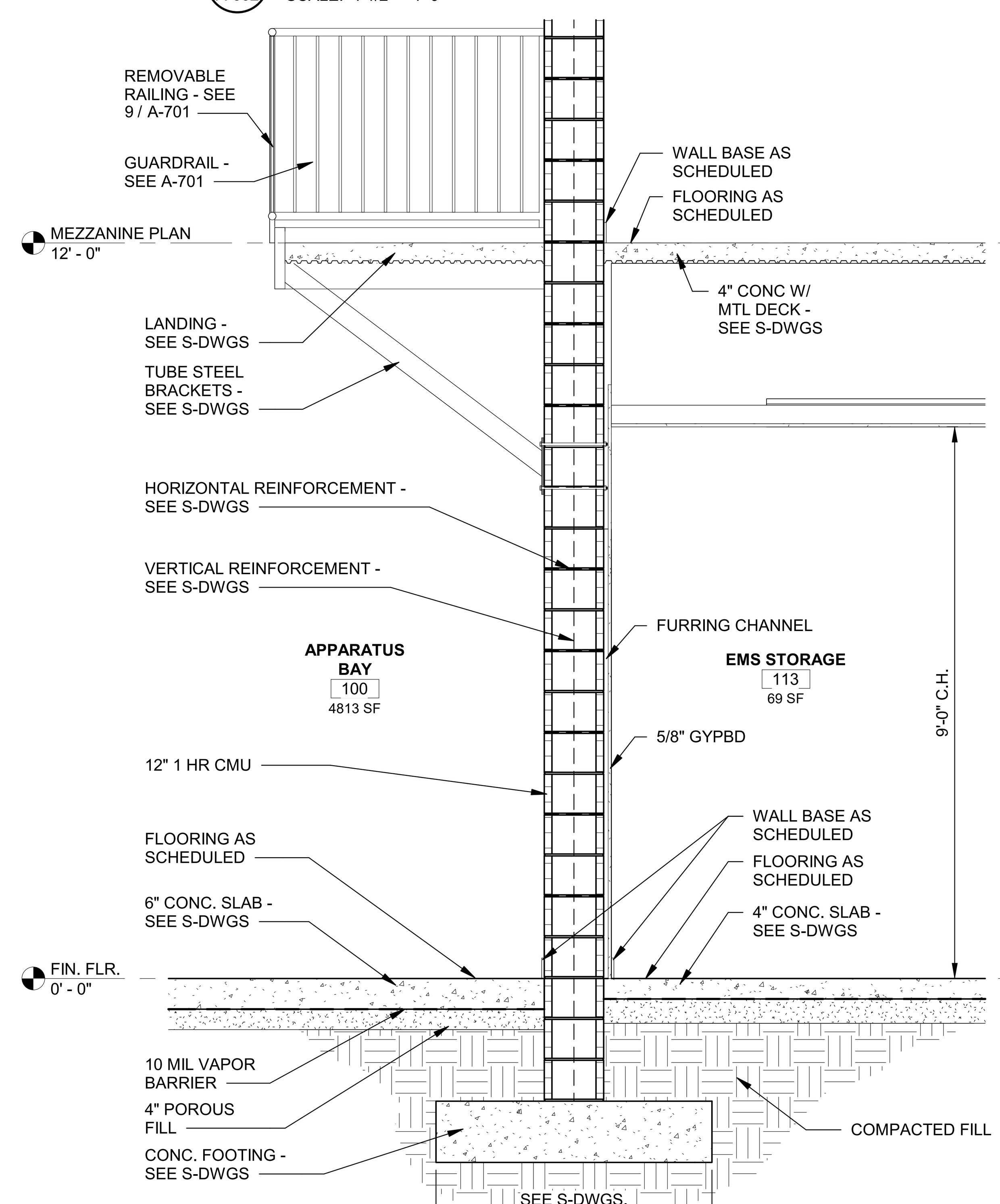
2 A-602 **SECTION**
SCALE: 1/2" = 1'-0"



3 A-602 **DETAIL**
SCALE: 1 1/2" = 1'-0"



4 A-602 **DETAIL**
SCALE: 1 1/2" = 1'-0"



5 A-602 **SECTION**
SCALE: 1/2" = 1'-0"

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PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

04/29/2025

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:
WALL SECTIONS & CANOPY DETAILS

SCALE: AS NOTED
DRAWING NO.: **A-602**
REV.: **A**

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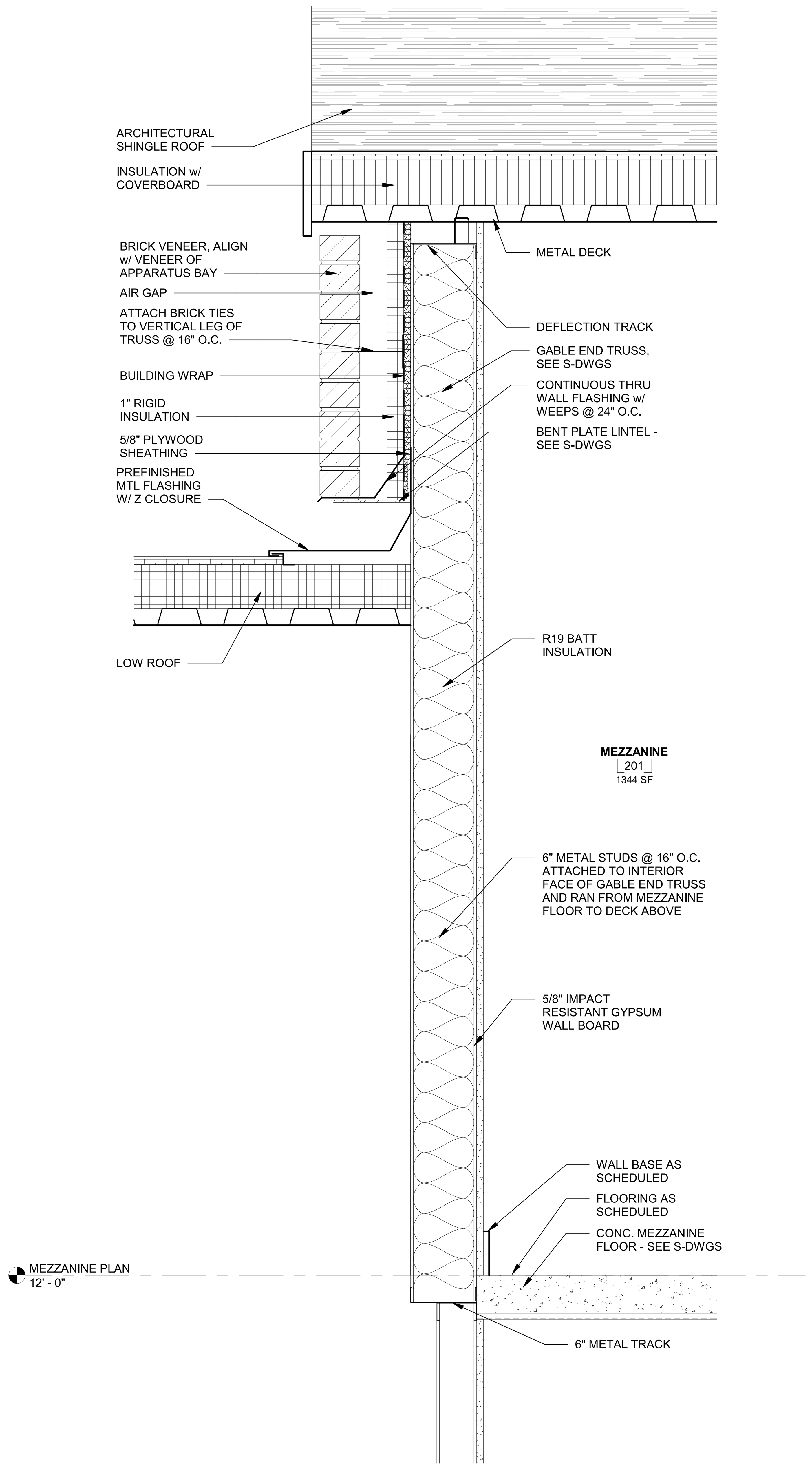
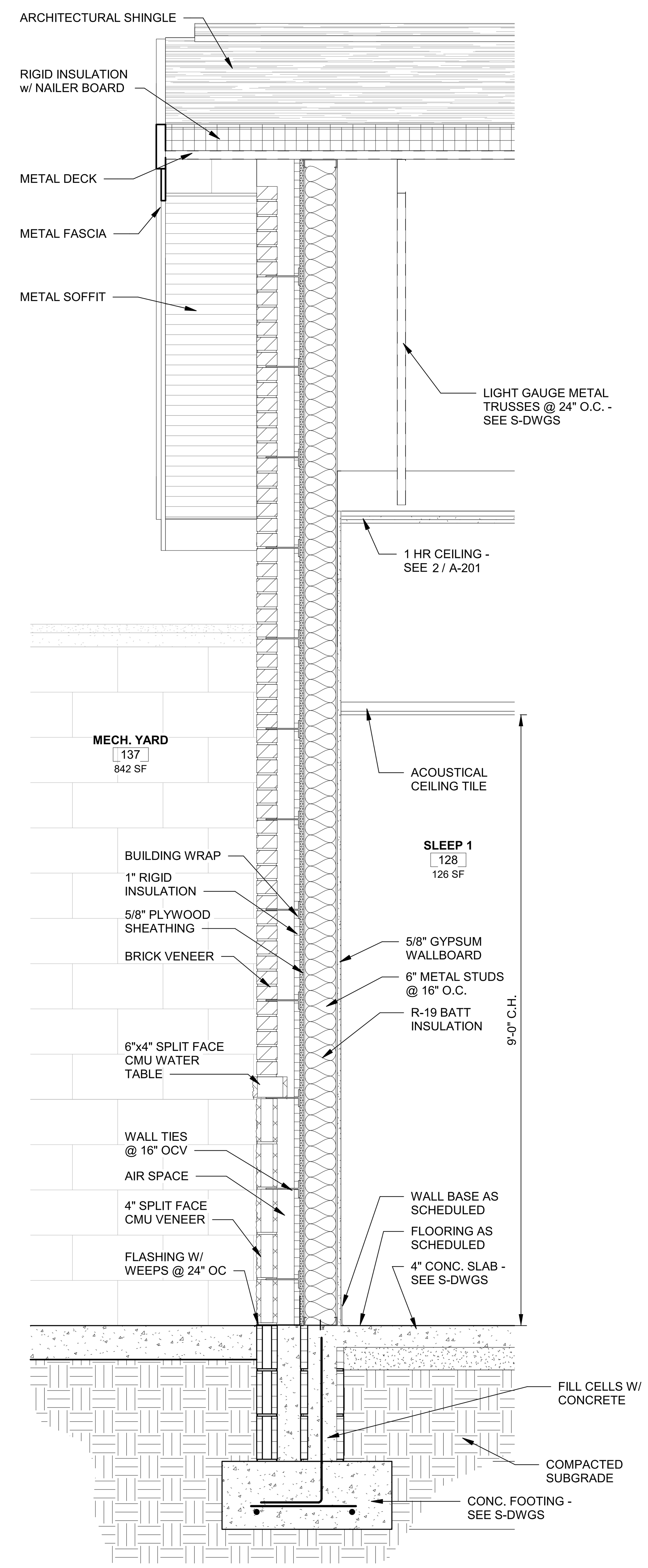


1 A-603 **SECTION**
SCALE: 1 1/2" = 1'-0"



2 A-603 **SECTION**
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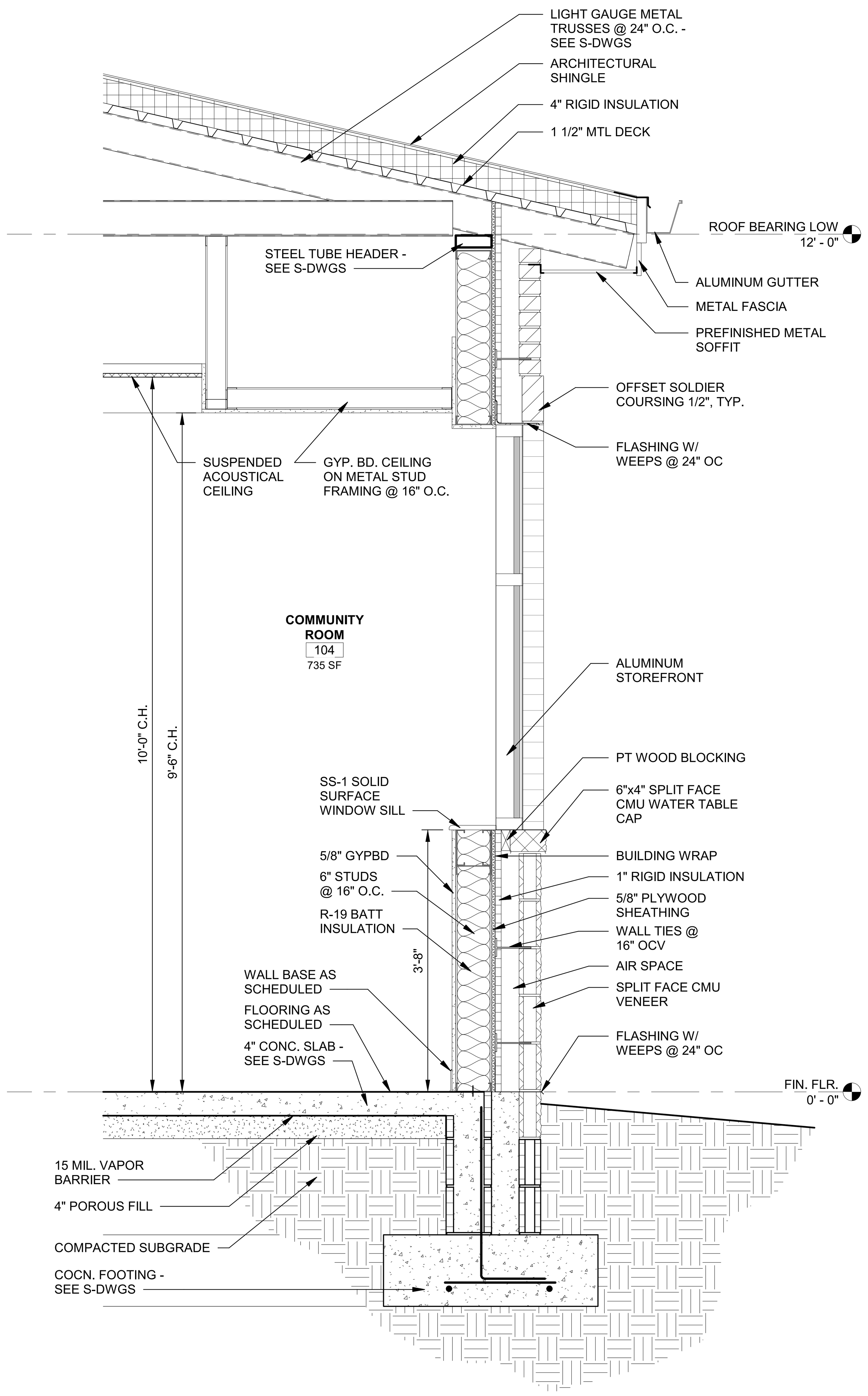

3 A-603 **SECTION**
SCALE: 3/4" = 1'-0"

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PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. PEF000356
EXPIRATION DATE: JUNE 30, 2026
CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	CTH/JNA
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:
WALL SECTIONS & DETAILS

SCALE	AS NOTED
DRAWING NO.	REV.
A-603	A

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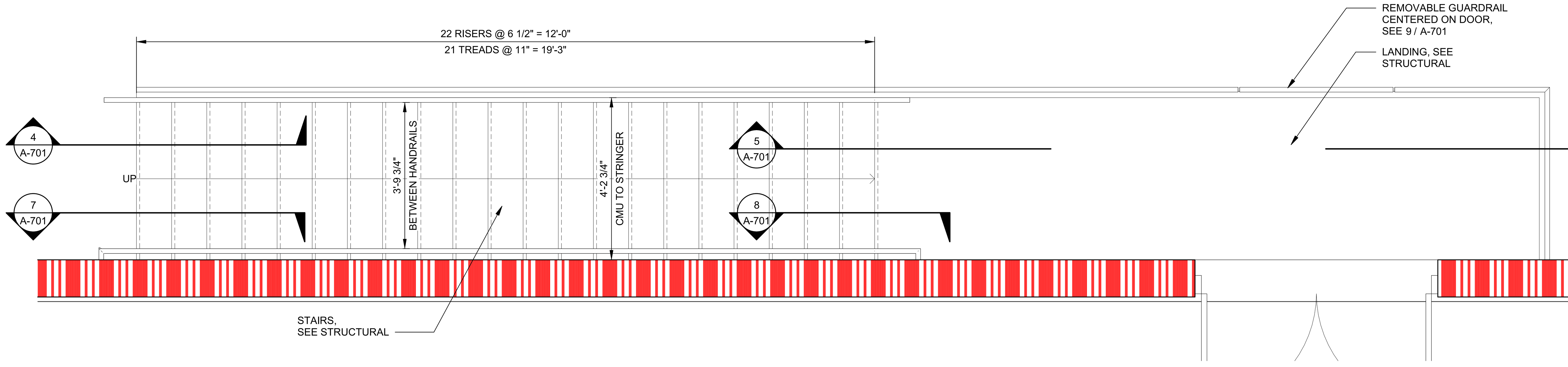
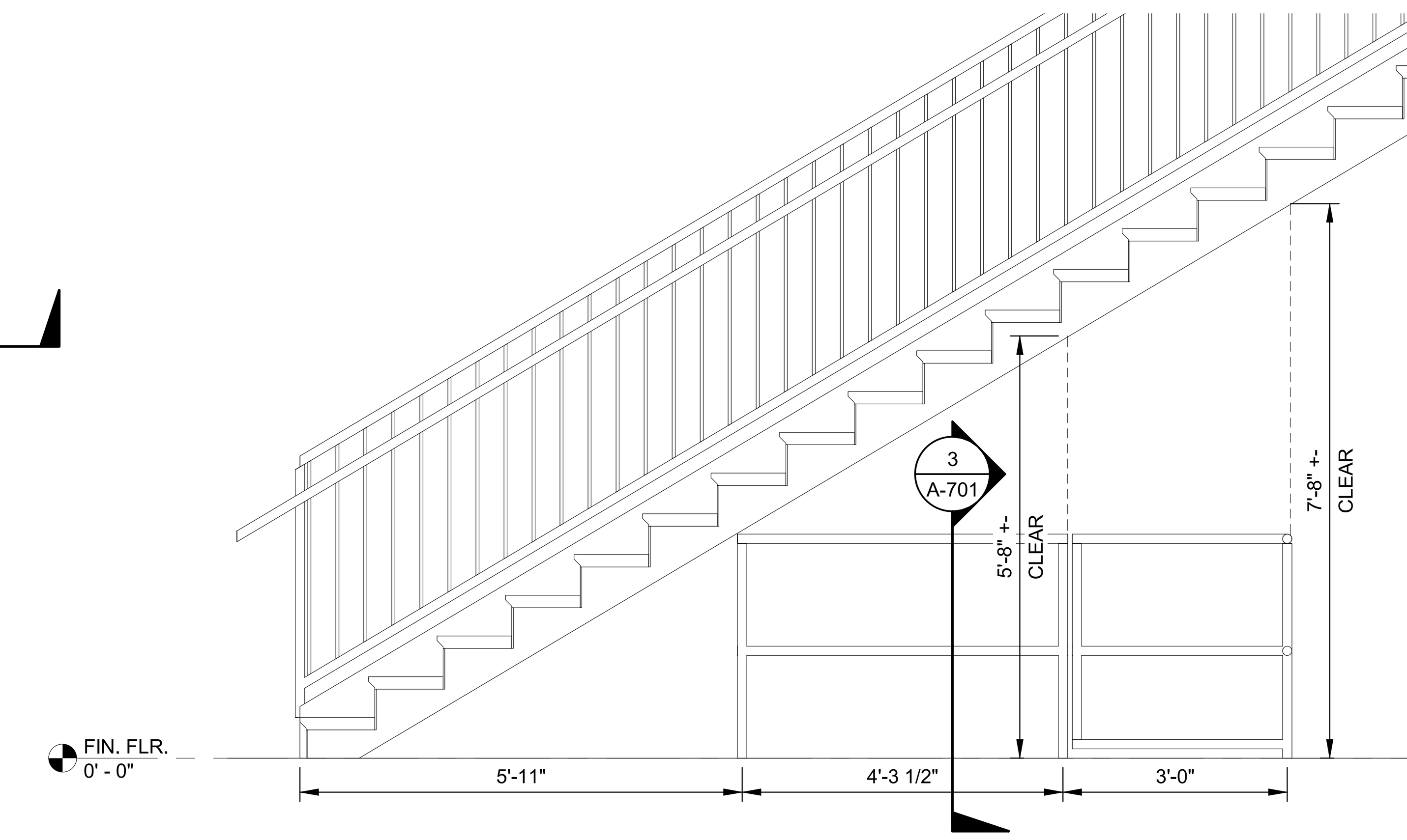
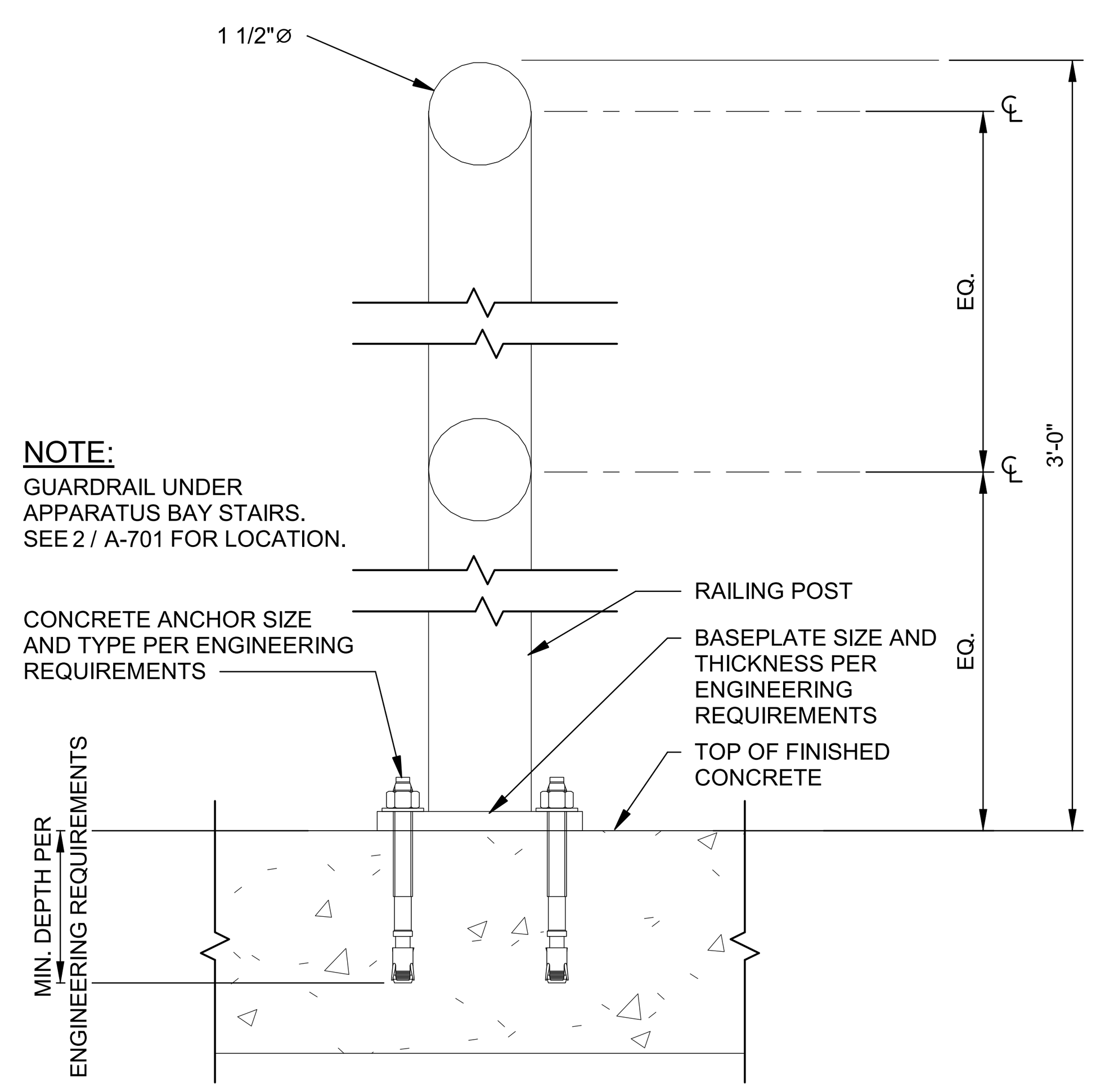


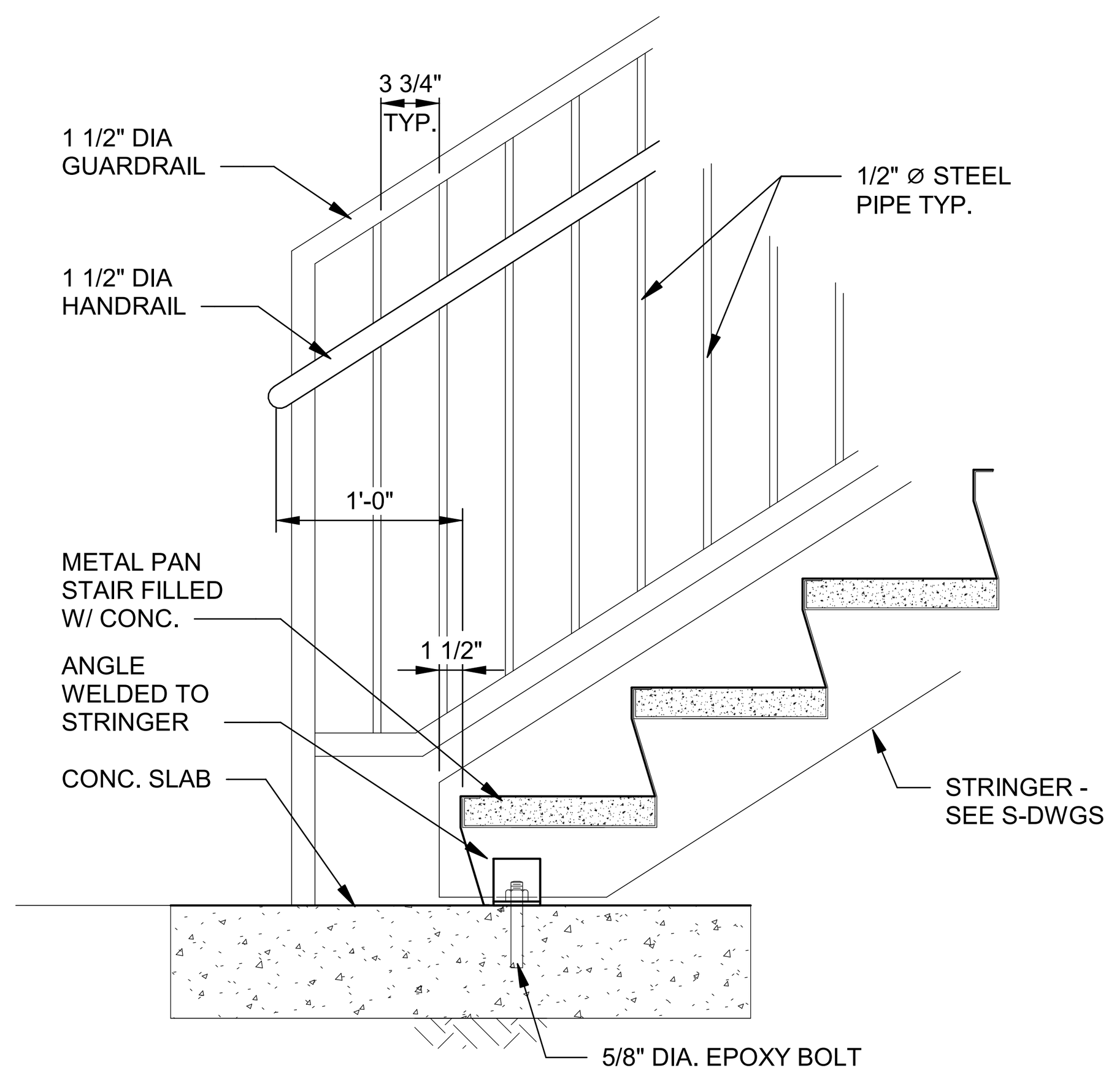
1 A-701 APPARATUS BAY STAIRS
SCALE: 1/2" = 1'-0"



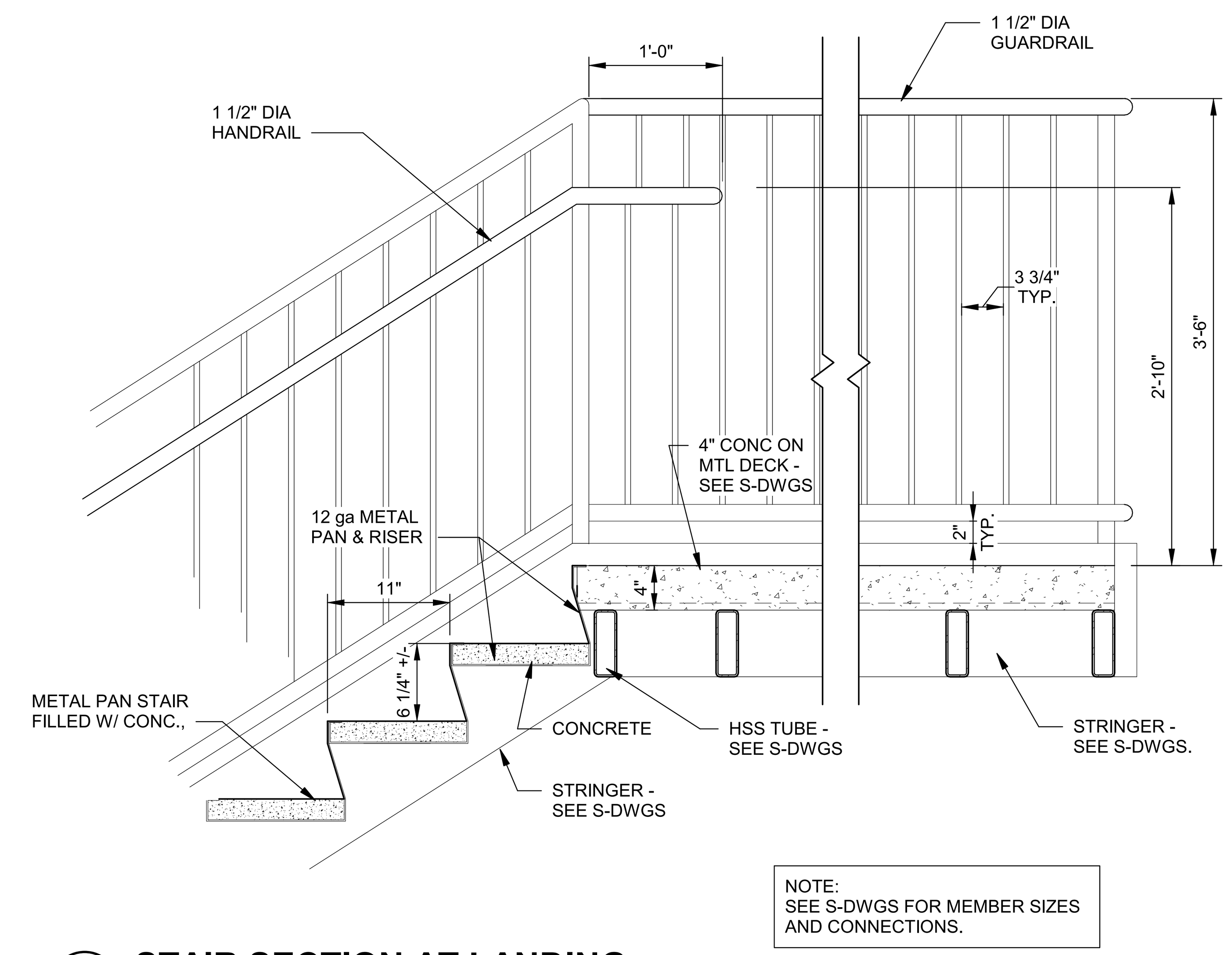
2 A-701 STORAGE AREA UNDER STAIRS
SCALE: 1/2" = 1'-0"



3 A-701 GUARDRAIL DETAIL
SCALE: 1 1/2" = 1'-0"

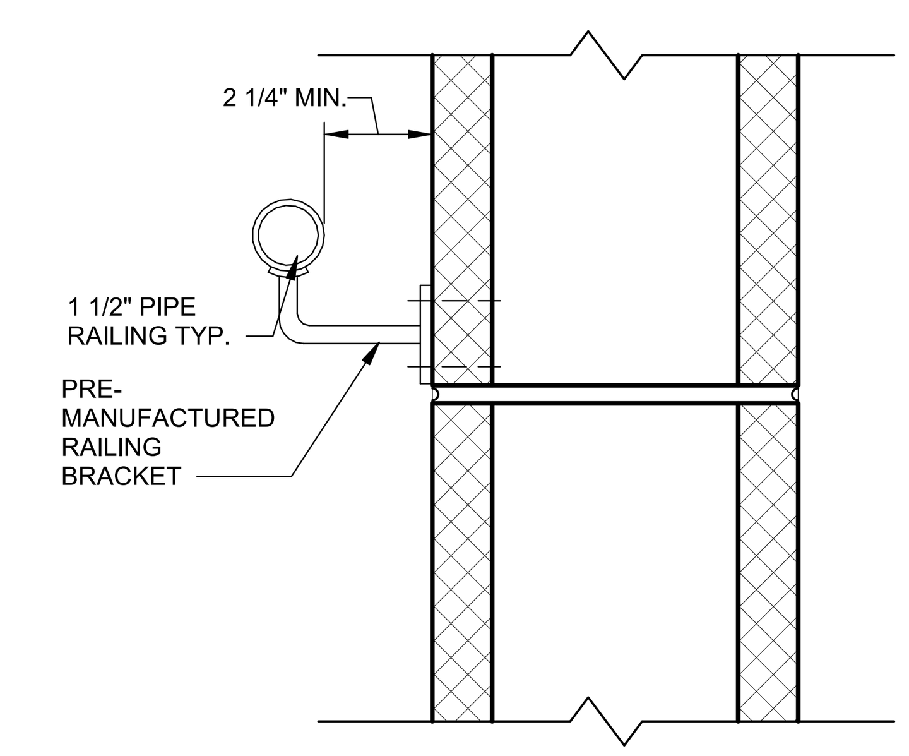


4 A-701 STAIR SECTION ON CONCRETE
SCALE: 1" = 1'-0"

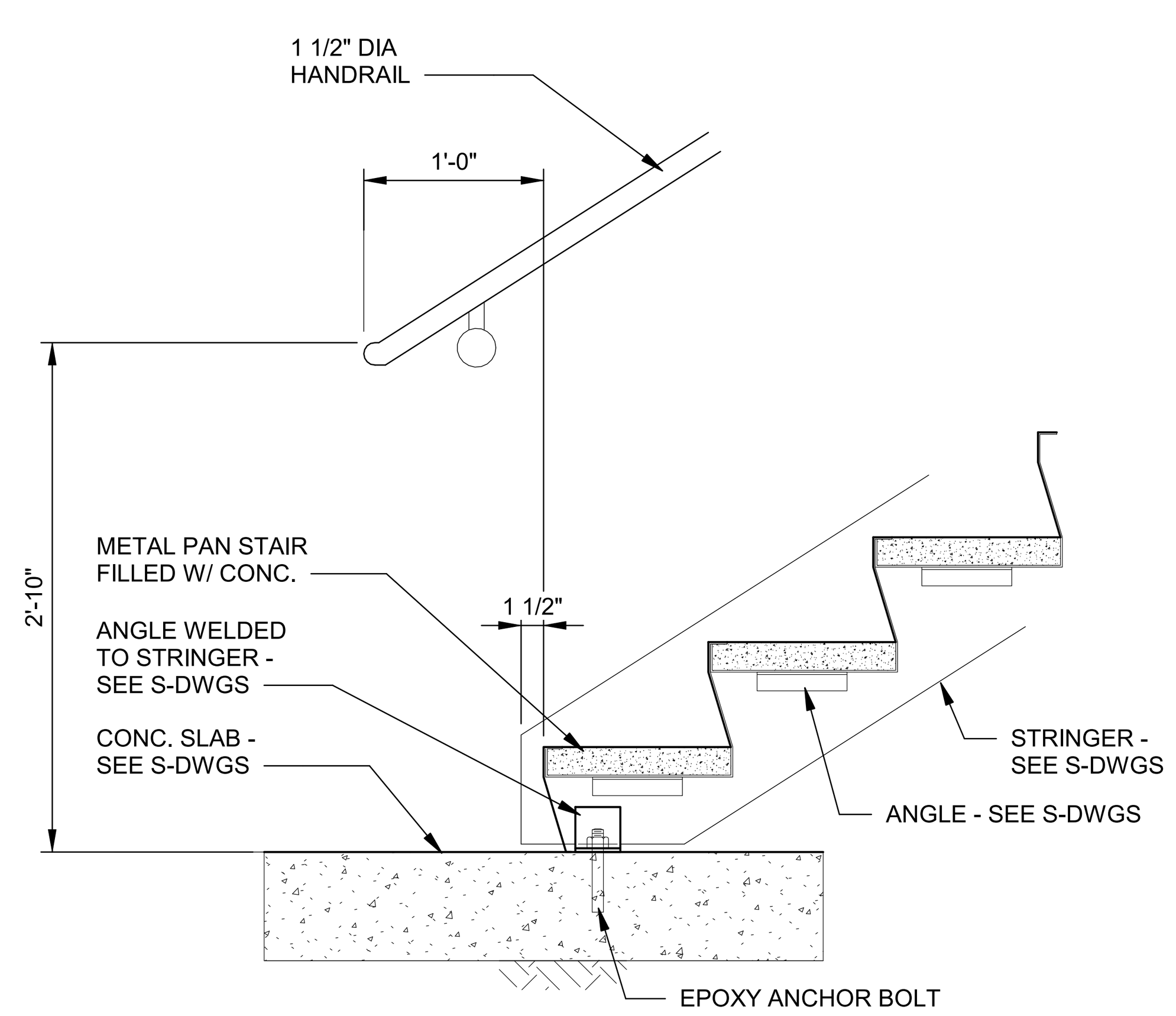


NOTE:
SEE S-DWGS FOR MEMBER SIZES AND CONNECTIONS.

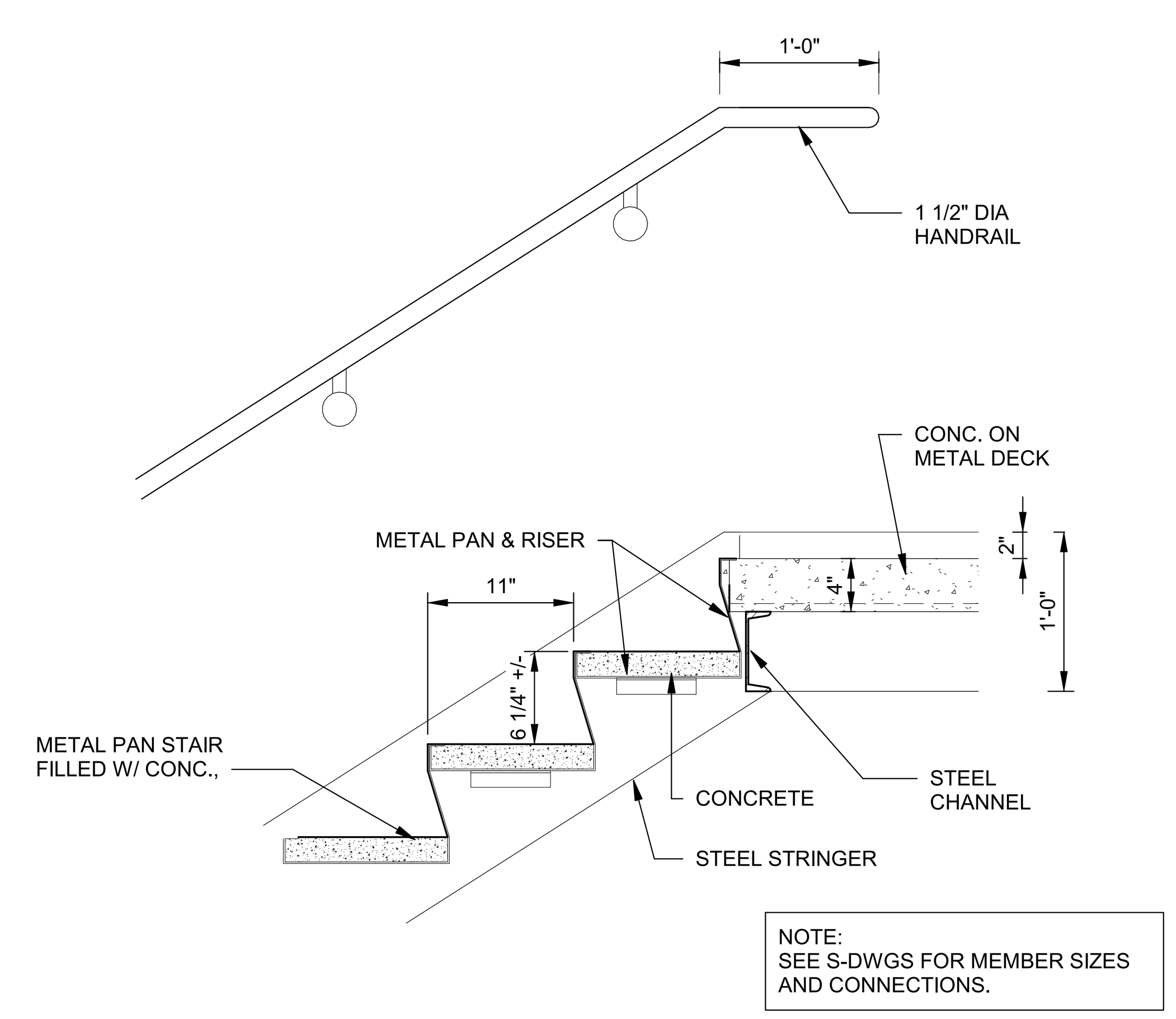
5 A-701 STAIR SECTION AT LANDING
SCALE: 1" = 1'-0"



6 A-701 HANDRAIL
SCALE: 3" = 1'-0"

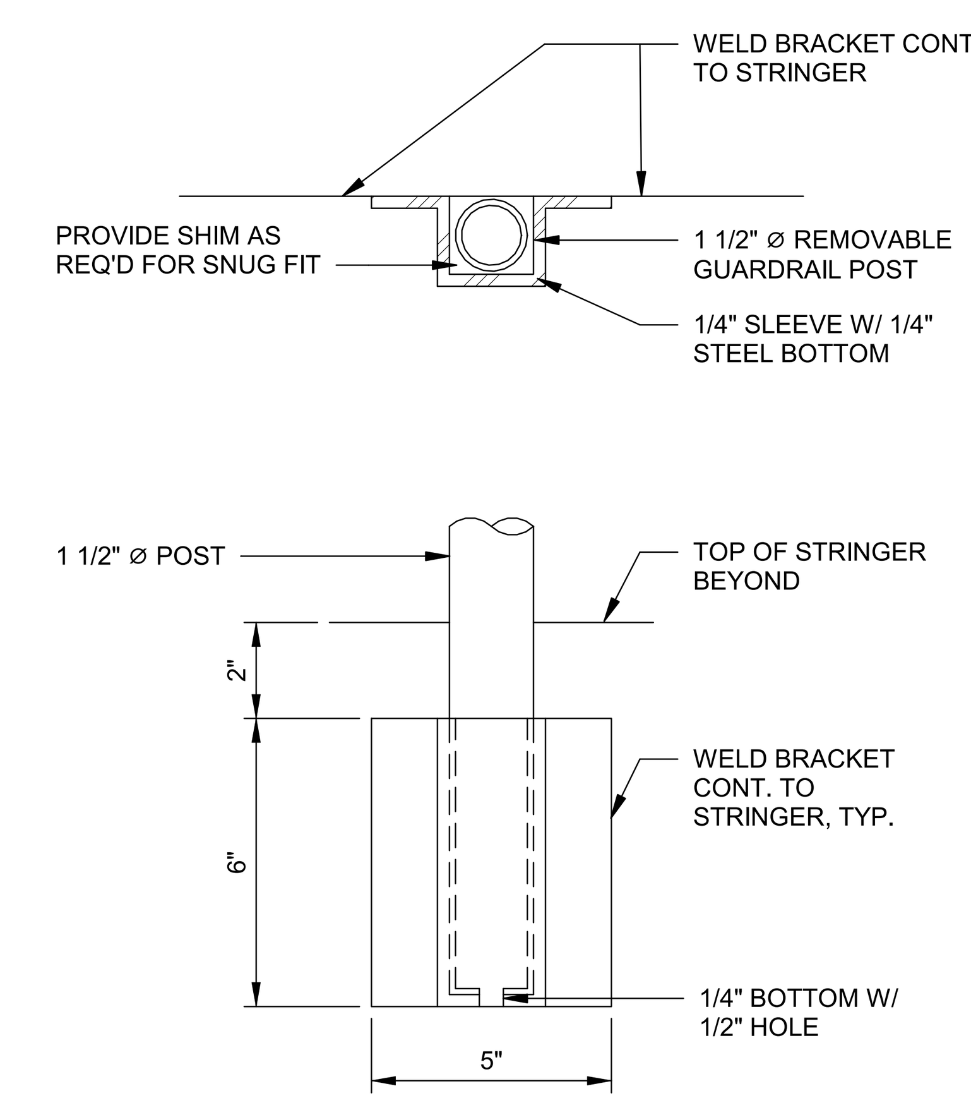


7 A-701 STAIR SECTION ON CONCRETE - WALL RAIL
SCALE: 1" = 1'-0"



NOTE:
SEE S-DWGS FOR MEMBER SIZES AND CONNECTIONS.

8 A-701 STAIR SECTION ON LANDING - WALL RAIL
SCALE: 1" = 1'-0"



9 A-701 REMOVABLE GUARDRAIL DETAIL
SCALE: 3" = 1'-0"

0 1 2 4 6 FT.
SCALE: 1/2" = 1'-0"

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PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

04/29/2025

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE: STAIR PLAN, SECTIONS & DETAILS

SCALE: AS NOTED

DRAWING NO. A-701 REV. A

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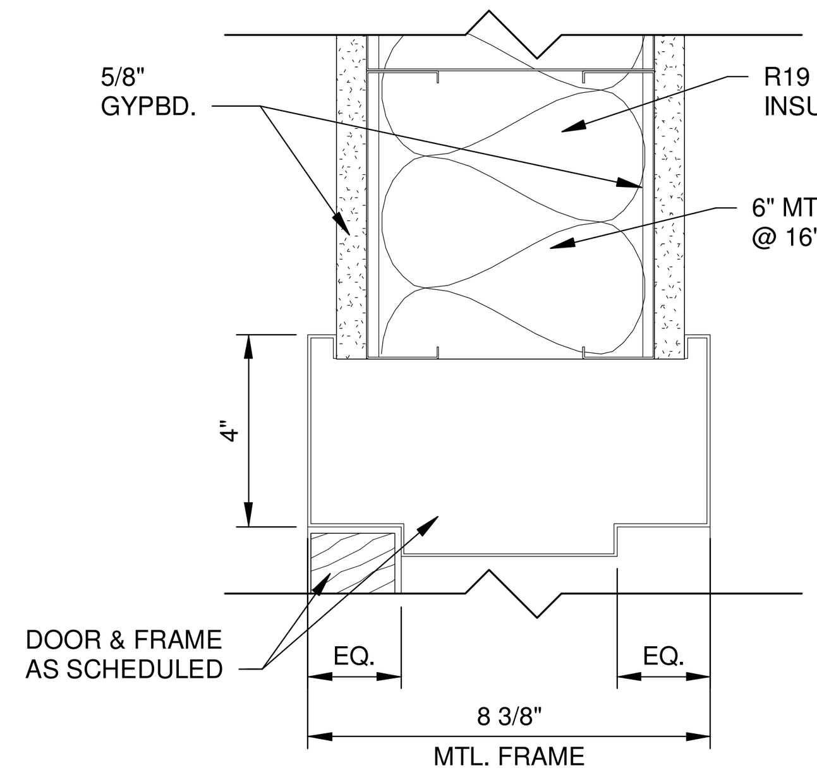
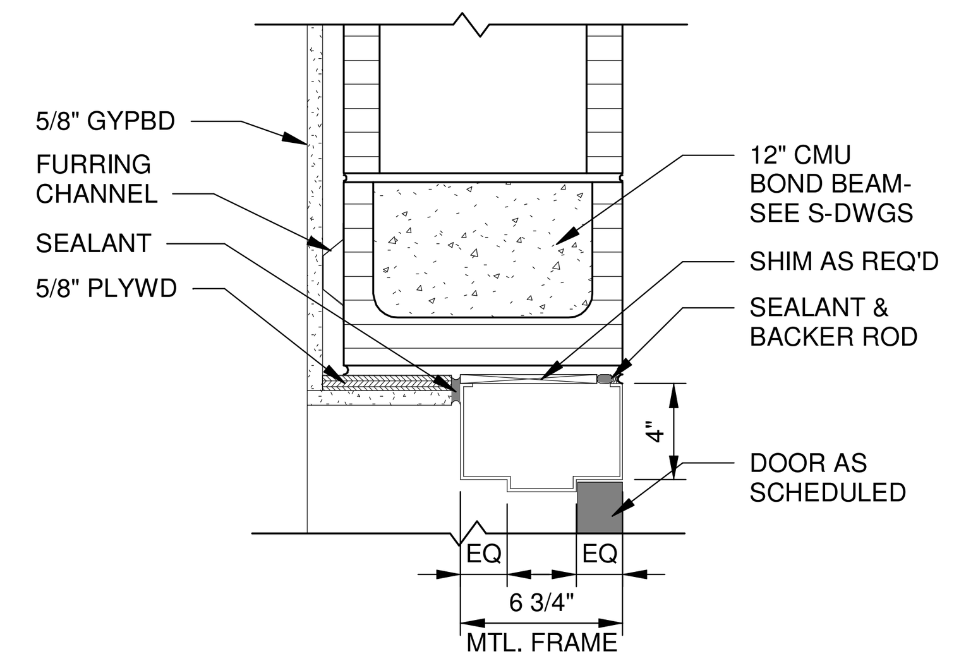
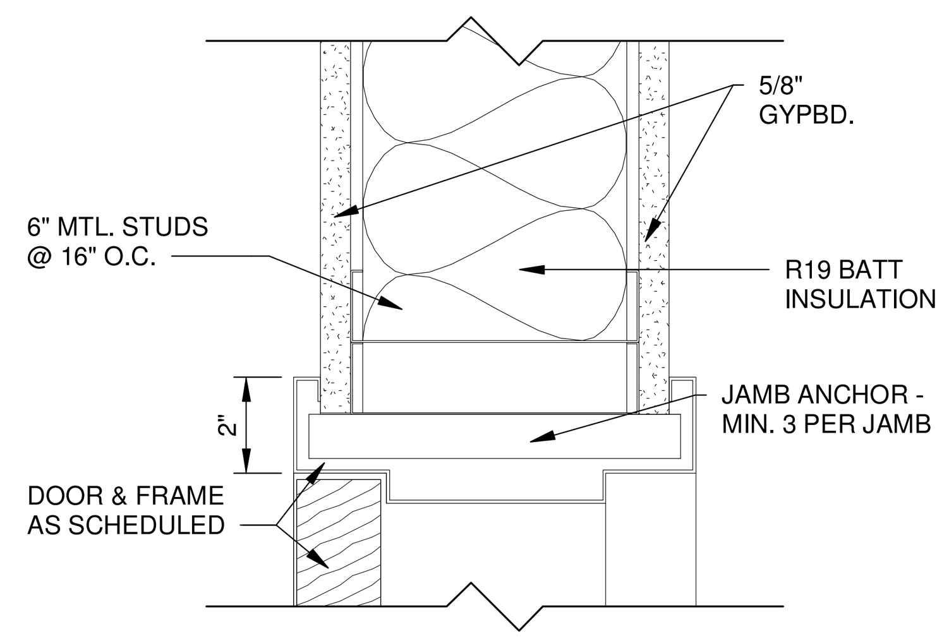


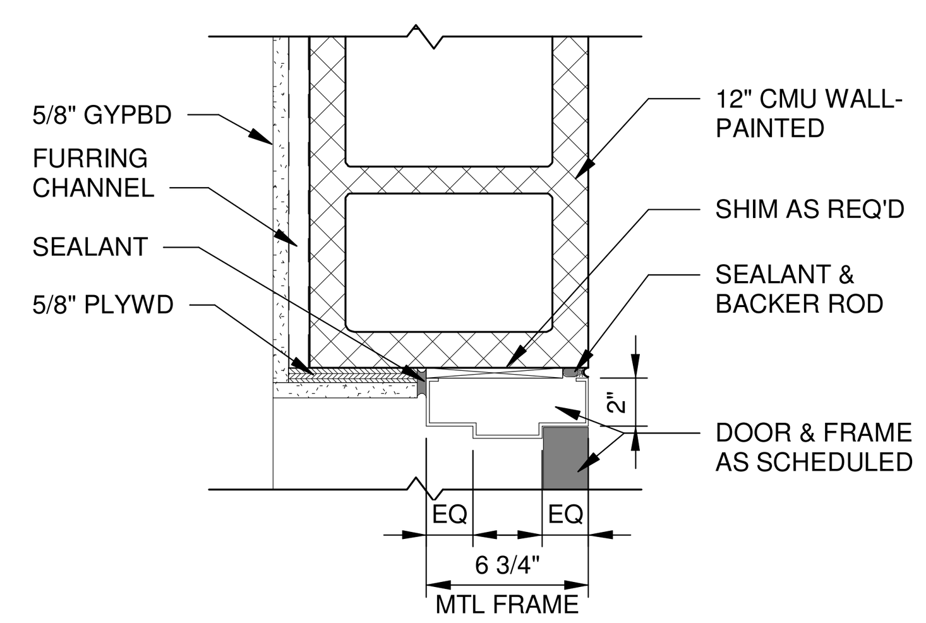
1 A-801 **HEAD DETAIL- 6" STUD**
SCALE: 3" = 1'-0"



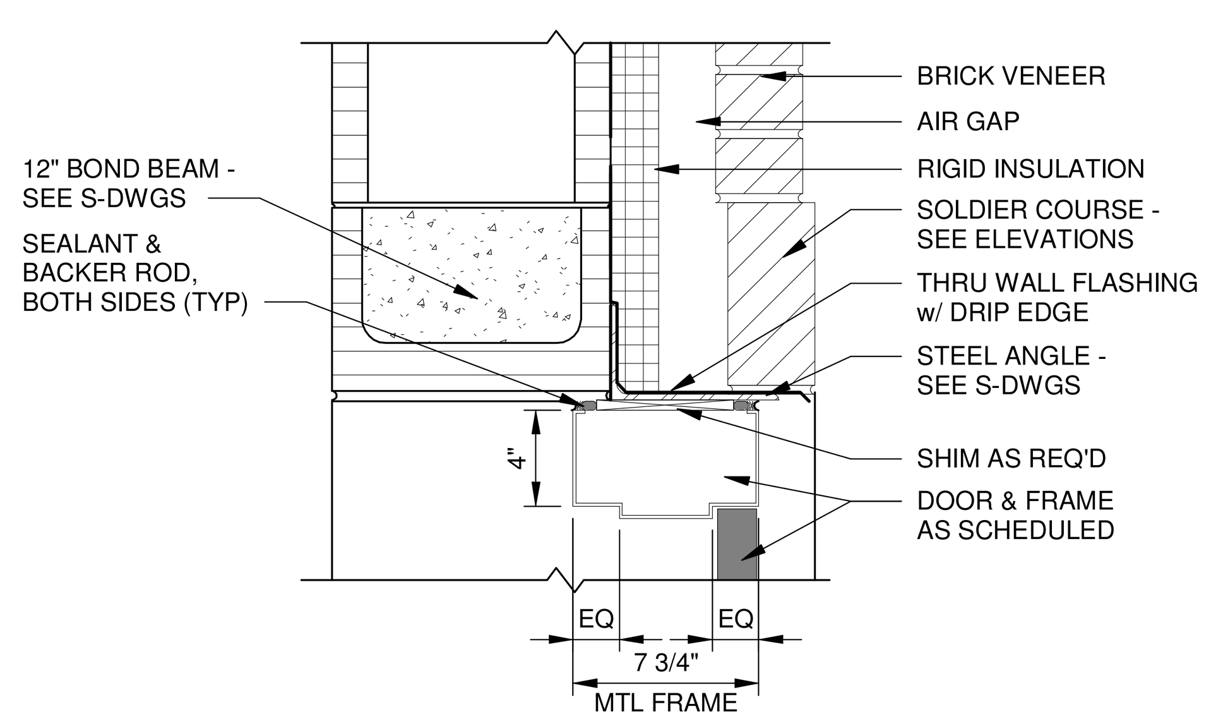
3 A-801 **HEAD DETAIL- CMU**
SCALE: 1 1/2" = 1'-0"



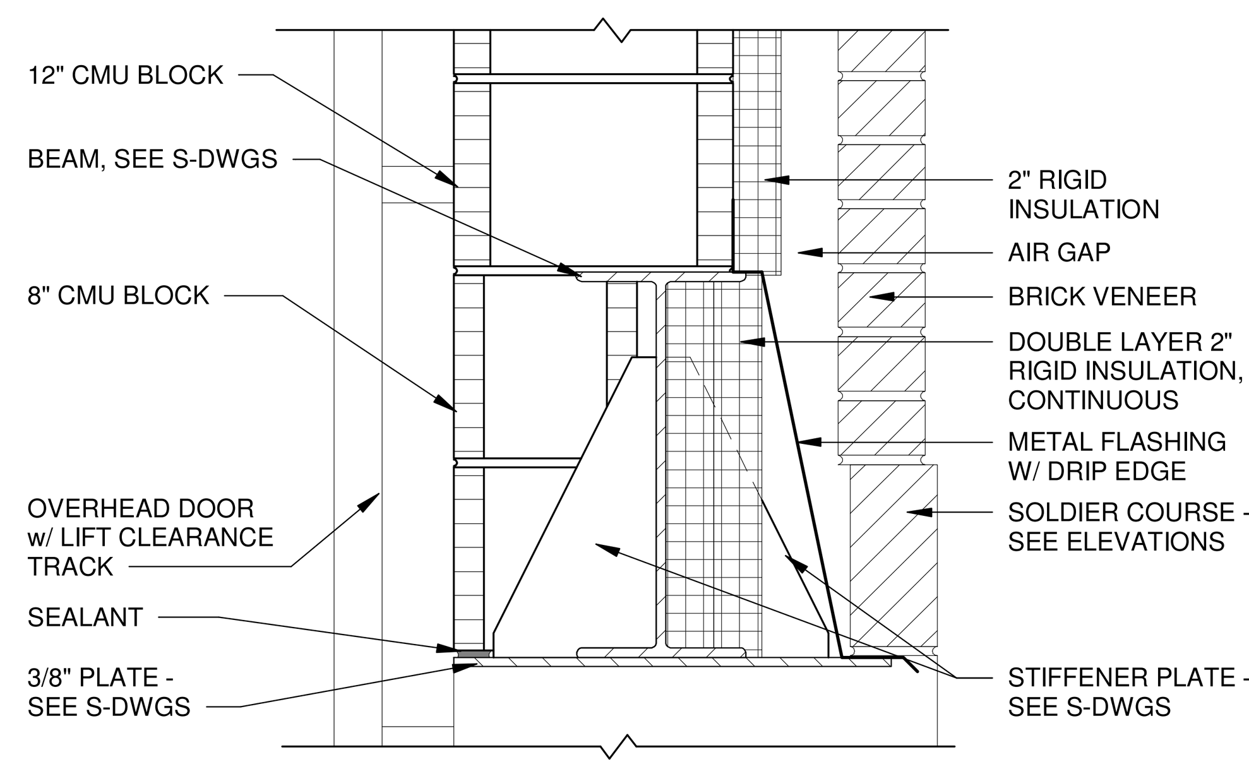
2 A-801 **JAMB DETAIL- 6" STUD**
SCALE: 3" = 1'-0"



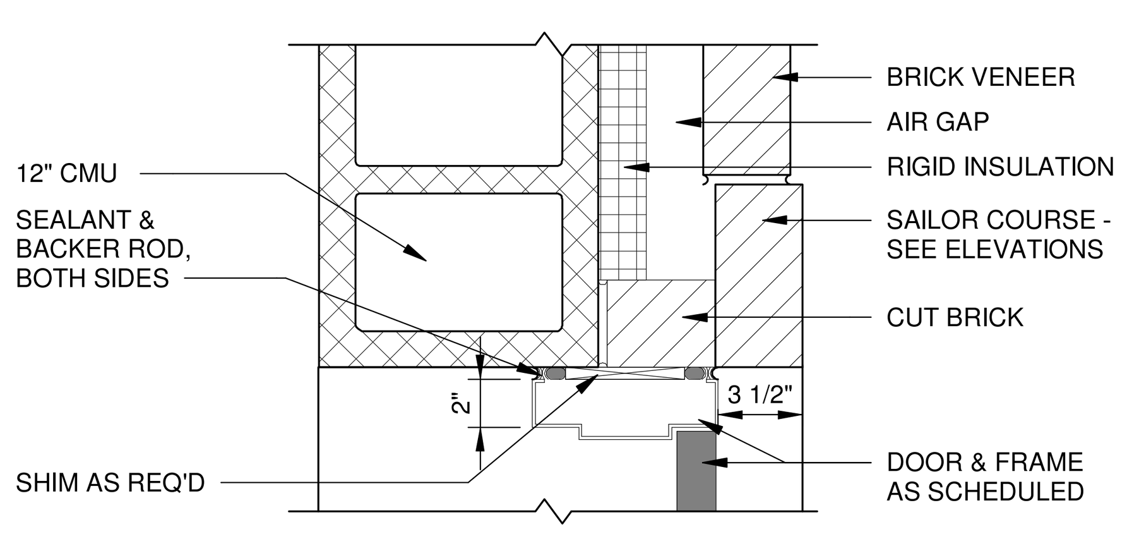
4 A-801 **JAMB DETAIL- CMU**
SCALE: 1 1/2" = 1'-0"



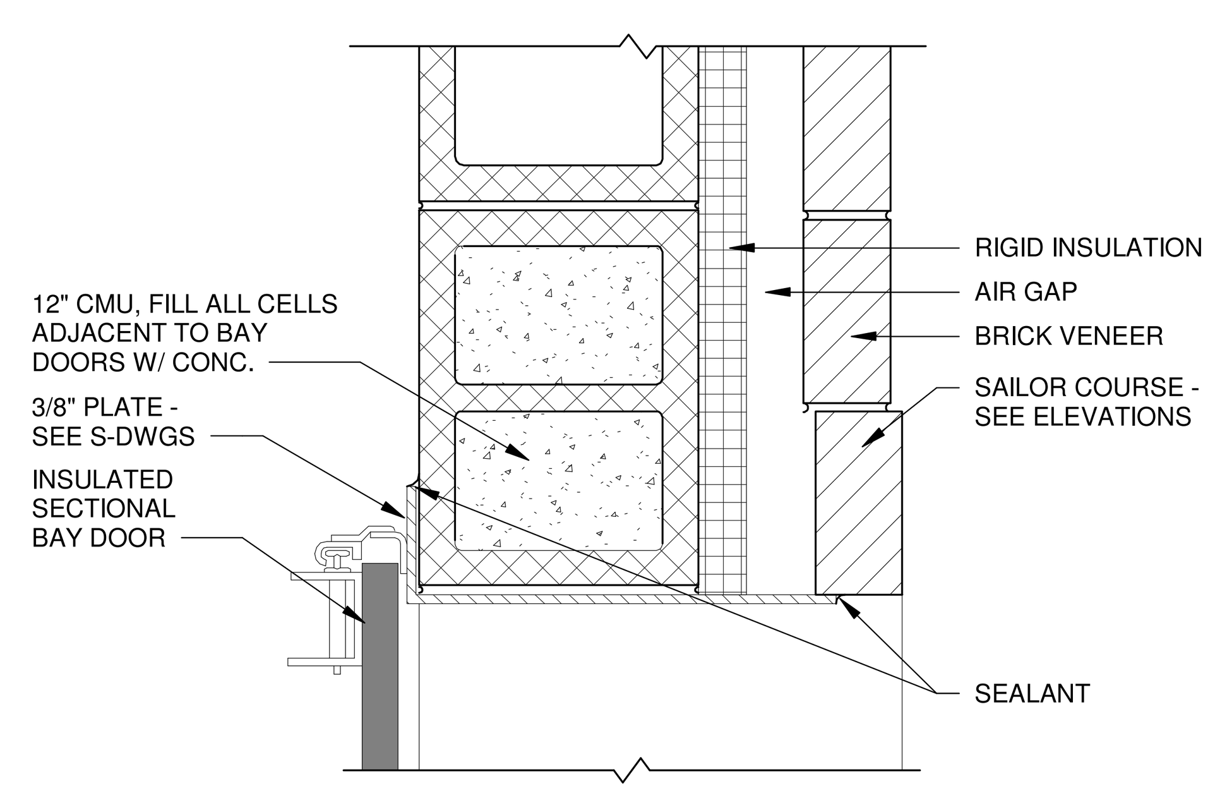
5 A-801 **HEAD DETAIL- CMU & BRICK**
SCALE: 1 1/2" = 1'-0"



7 A-801 **HEAD DETAIL- OVERHEAD DOOR**
SCALE: 1 1/2" = 1'-0"



6 A-801 **JAMB DETAIL- CMU & BRICK**
SCALE: 1 1/2" = 1'-0"



8 A-801 **JAMB DETAIL- OVERHEAD DOOR**
SCALE: 1 1/2" = 1'-0"

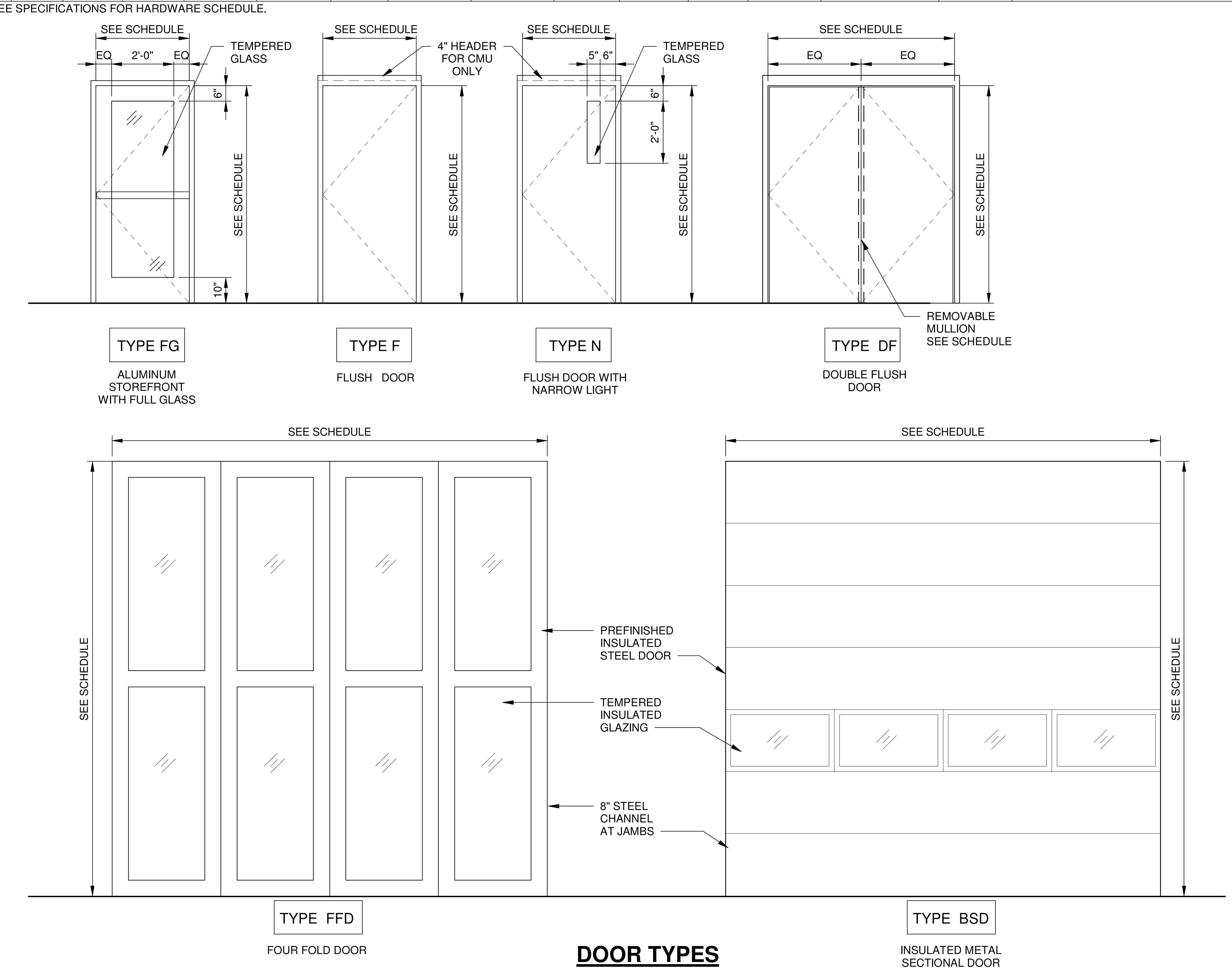
DOOR LEGEND

ALUM:	ALUMINUM	ID:	INSULATED
CO:	CASED OPENING	PT:	PAINT
EXIST/EX:	EXISTING	SCW:	SOLID CORE WOOD
FF:	FACTORY FINISH/ STANDARD COLORS	ST:	PREFINISHED/ STAINED
FS:	FLUSH STEEL	WD:	WOOD
HM:	HOLLOW METAL	TMPD:	TEMPERED

DOOR SCHEDULE

DOOR NO.	DOOR						GLAZING		FIRE RATING	FRAME		DETAIL			COMMENTS
	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	TYPE	THICKNESS		MATERIAL	FINISH	HEAD	JAMB	SILL	
100A	N	3'-0"	7'-0"	0'-1 3/4"	FS	PT	TMPD/ID	1"		HM	PT	5/A-801	6/A-801 & 4/A-802	7/4-802	
100B	BSD	14'-0"	15'-0"	0'-2"	ALUM	FF	TMPD/ID	1"		STEEL	PT	7/A-801	8/A-801 & 5/A-802	8/A-802	COLOR: RED
100C	BSD	14'-0"	15'-0"	0'-2"	ALUM	FF	TMPD/ID	1"		STEEL	PT	7/A-801	8/A-801 & 5/A-802	8/A-802	COLOR: RED
100D	BSD	14'-0"	15'-0"	0'-2"	ALUM	FF	TMPD/ID	1"		STEEL	PT	7/A-801	8/A-801 & 5/A-802	8/A-802	COLOR: RED
100E	N	3'-0"	7'-0"	0'-1 3/4"	FS	PT	TMPD/ID	1"		HM	PT	5/A-801	6/A-801 & 4/A-802	7/4-802	
100F	N	3'-0"	7'-0"	0'-1 3/4"	FS	PT	TMPD/ID	1"		HM	PT	5/A-801	6/A-801 & 4/A-802	7/4-802	
100G	FFD	14'-0"	15'-0"	0'-2 1/8"	FS	FF	TMPD/ID	1"		FS	FF	9/A-802	11/A-802 & 12/A-802	10/A-802	COLOR: RED
100H	FFD	14'-0"	15'-0"	0'-2 1/8"	FS	FF	TMPD/ID	1"		FS	FF	9/A-802	11/A-802 & 12/A-802	10/A-802	COLOR: RED
100I	FFD	14'-0"	15'-0"	0'-2 1/8"	FS	FF	TMPD/ID	1"		FS	FF	9/A-802	11/A-802 & 12/A-802	10/A-802	COLOR: RED
100J	N	3'-0"	7'-0"	0'-1 3/4"	FS	PT	TMPD/ID	1"		HM	PT	5/A-801	6/A-801 & 4/A-802	7/4-802	
101	FG	3'-0"	7'-0"	0'-1 3/4"	ALUM	FF	TMPD/ID	1"		ALUM	FF	17/A-805	18/A-805 & 19/A-805	20/A-805	
102	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
103	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-	60 MIN	HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
104A	N	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	TMPD	1/4"		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
104B	N	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	TMPD	1/4"		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
104C	FG	3'-0"	7'-0"	0'-1 3/4"	ALUM	FF	TMPD/ID	1"		ALUM	FF	17/A-805	18/A-805 & 19/A-805	20/A-805	
105	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
106	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-	90 MIN	HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
107	FG	3'-0"	7'-0"	0'-1 3/4"	ALUM	FF	TMPD	1/4"		ALUM	FF	14/A-805	15/A-805	16/A-805	
108	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-	60 MIN	HM	PT	1/A-801	2/A-801	6/4-802	
109	N	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	TMPD	1/4"		HM	PT	1/A-801	2/A-801	6/4-802	
110	F	3'-0"	7'-0"	0'-1 3/4"	HM	ST	-	-	90 MIN	HM	PT	3/A-801	4/A-801	6/4-802	
111A	N	3'-0"	7'-0"	0'-1 3/4"	HM	PT	TMPD	1/4"	90 MIN	HM	PT	3/A-801	4/A-801	6/4-802	
111B	N	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	TMPD	1/4"		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
112	N	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	TMPD	1/4"		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
113	F	3'-0"	7'-0"	0'-1 3/4"	HM	PT	-	-	90 MIN	HM	PT	3/A-801	4/A-801	6/4-802	
114A	F	3'-0"	7'-0"	0'-1 3/4"	HM	PT	-	-	90 MIN	HM	PT	3/A-801	4/A-801	6/4-802	
114B	N	3'-0"	7'-0"	0'-1 3/4"	HM	PT	TMPD	1/4"		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
114C	CO	3'-0"	7'-0"	-	-	-	-	-		HM	PT				
115	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
116	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
117A	N	3'-0"	7'-0"	0'-1 3/4"	HM	PT	TMPD	1/4"	90 MIN	HM	PT	3/A-801	4/A-801	6/4-802	
117B	N	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	TMPD	1/4"		HM	PT	1/A-801	2/A-801	6/4-802	
117C	F	2'-0"	7'-0"	0'-1 3/4"	HM	PT	-	-		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
118A	N	3'-0"	7'-0"	0'-1 3/4"	HM	PT	TMPD	1/4"	90 MIN	HM	PT	1/A-801	2/A-801	6/4-802	
118B	N	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	TMPD	1/4"		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
119	FG	3'-0"	7'-0"	0'-1 3/4"	ALUM	FF	TMPD/ID	1"		ALUM	FF	17/A-805	18/A-805 & 19/A-805	20/A-805	
121	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-		HM	PT	1/A-801	2/A-801	6/4-802	
122	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
123	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
124	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
125	N	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	TMPD	1/4"		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
126	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
127A	N	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	TMPD	1/4"		HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
127B	F	3'-0"	7'-0"	0'-1 3/4"	FS	PT	-	-		HM	PT	17/A-805	18/A-805 & 19/A-805	20/A-805	
128	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-	60 MIN	HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
129	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-	60 MIN	HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
130	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-	60 MIN	HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
131	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-	60 MIN	HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
132	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-	60 MIN	HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
133	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-	60 MIN	HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
134	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-	60 MIN	HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
135	F	3'-0"	7'-0"	0'-1 3/4"	SCW	ST	-	-	60 MIN	HM	PT	1/A-801 SIM	2/A-801 SIM	6/4-802	
137	F	3'-0"	7'-0"	0'-1 3/4"	HM	PT	-	-		HM	PT	5/A-801 SIM	6/A-801 SIM	7/4-802	
201	DF*	6'-0"	7'-0"	0'-1 3/4"	HM	PT	-	-	60 MIN	HM	PT	3/A-801	4/A-801	6/4-802	*3070 PAIR

NOTE: SEE SPECIFICATIONS FOR HARDWARE SCHEDULE.



DOOR TYPES

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535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

04/29/2025

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JNA
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:
DOOR SCHEDULE & DETAILS

SCALE: AS NOTED
DRAWING NO. **A-801** REV. **A**

C:\REVIT - Local Projects\Firestation #3\3042403-Architectural-local-jabbott.rvt
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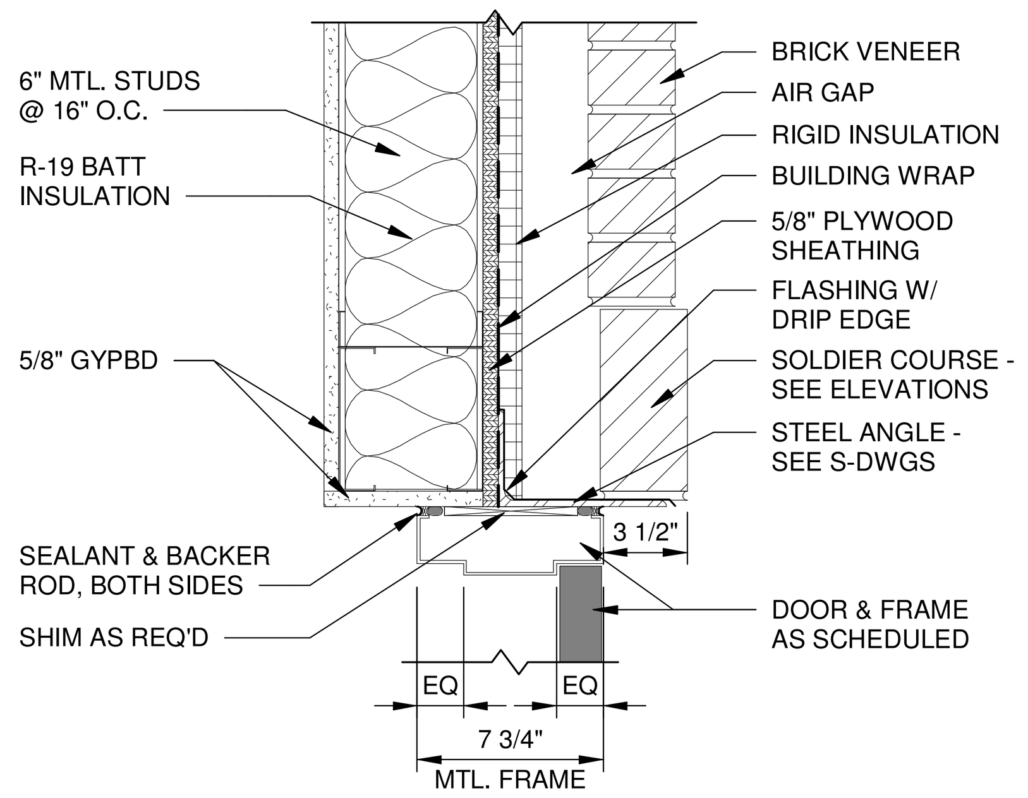
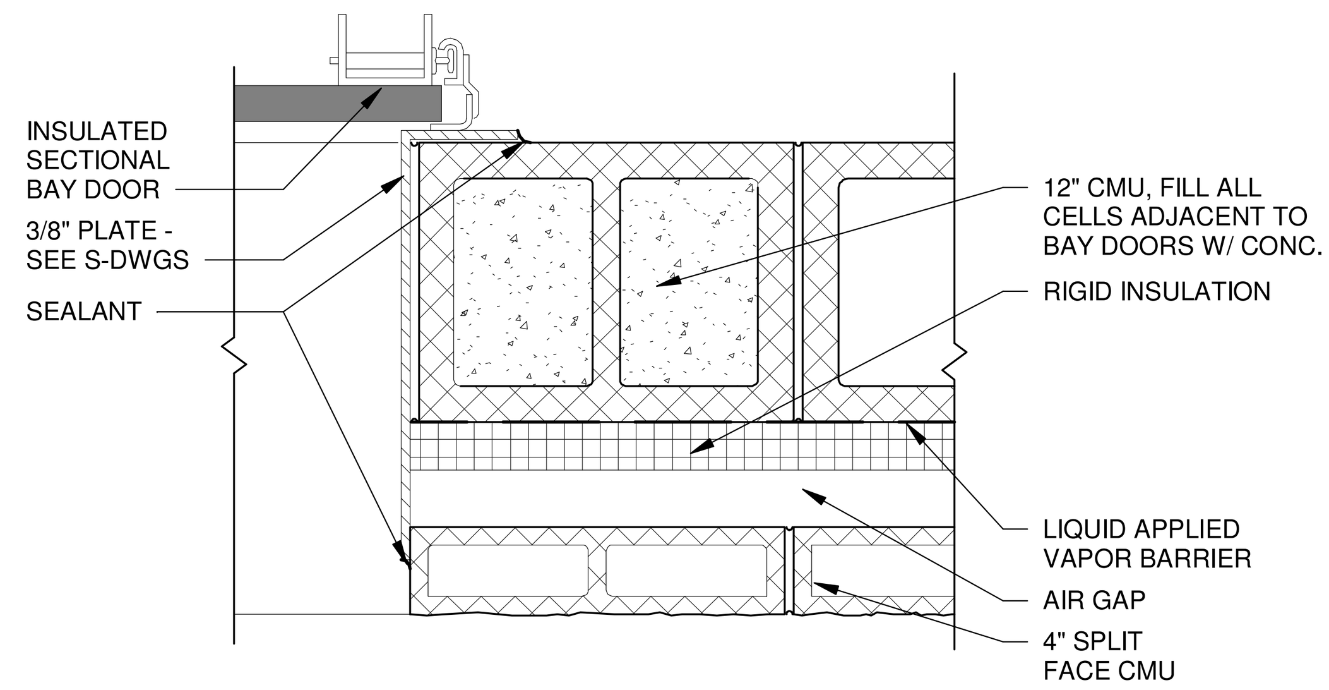
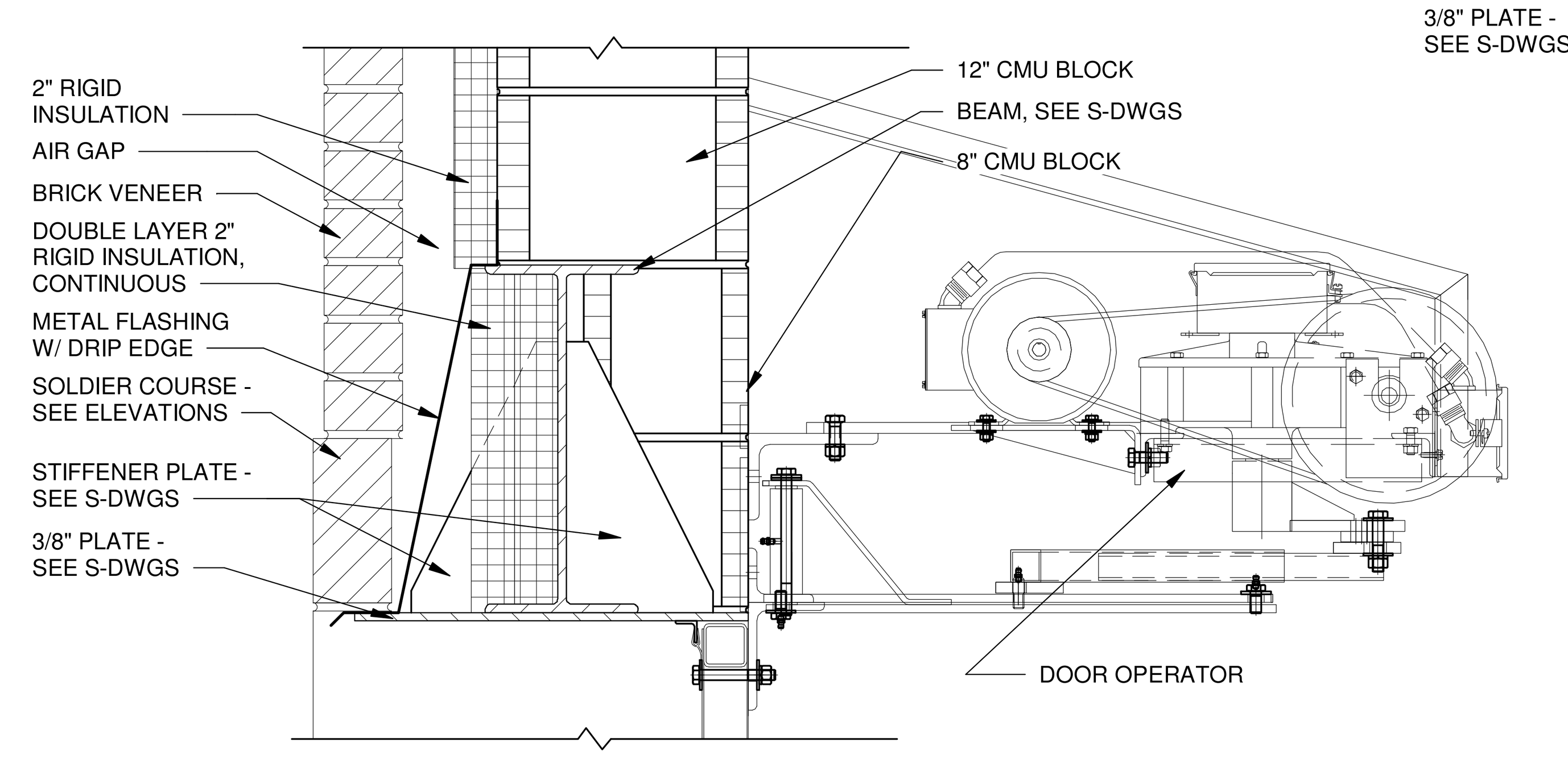
JLA-24X36.RFA REV. 05/16/2024 JAP



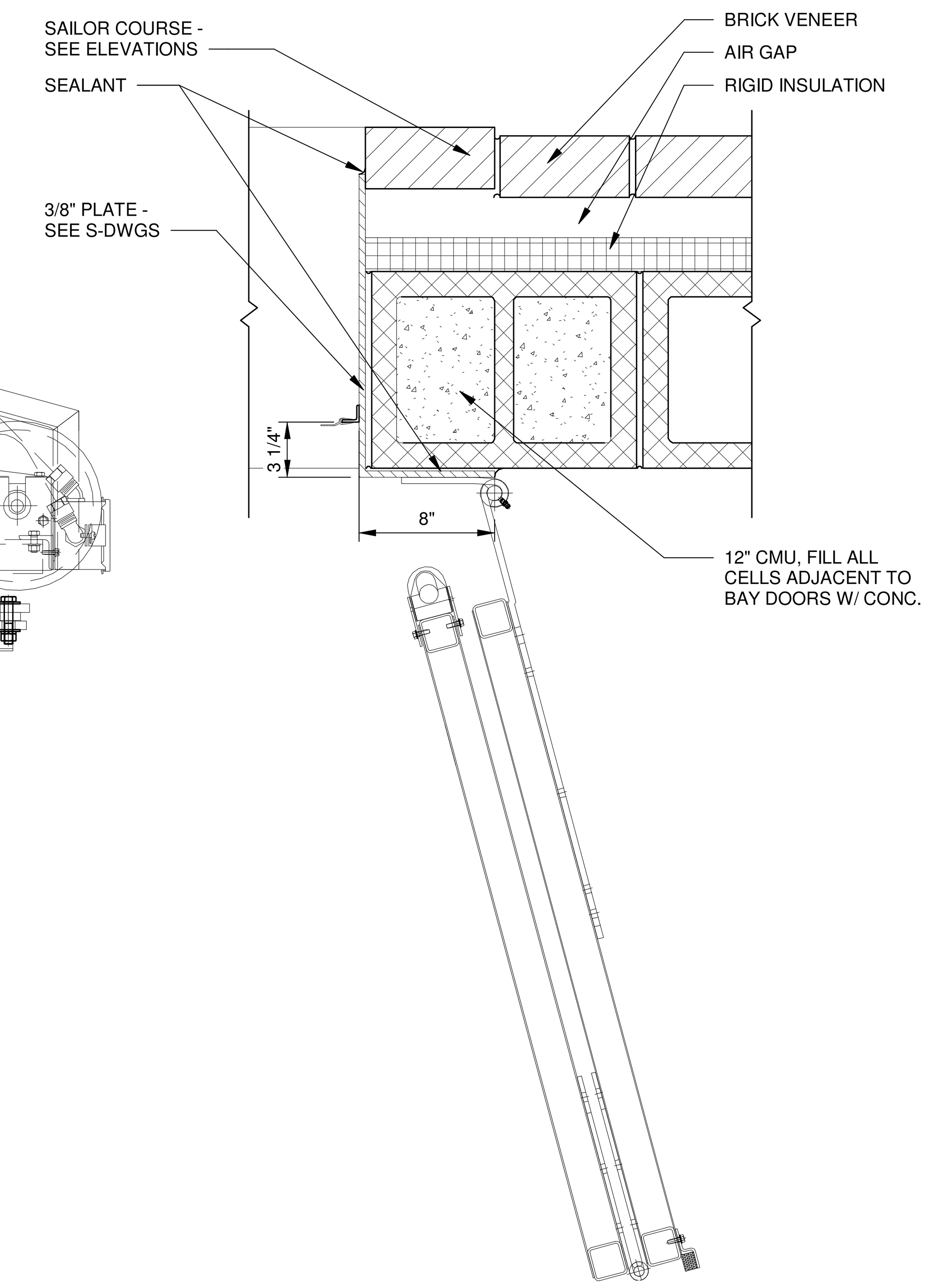
1 A-802 **HEAD DETAIL - EXT. MTL. STUD**
SCALE: 1 1/2" = 1'-0"



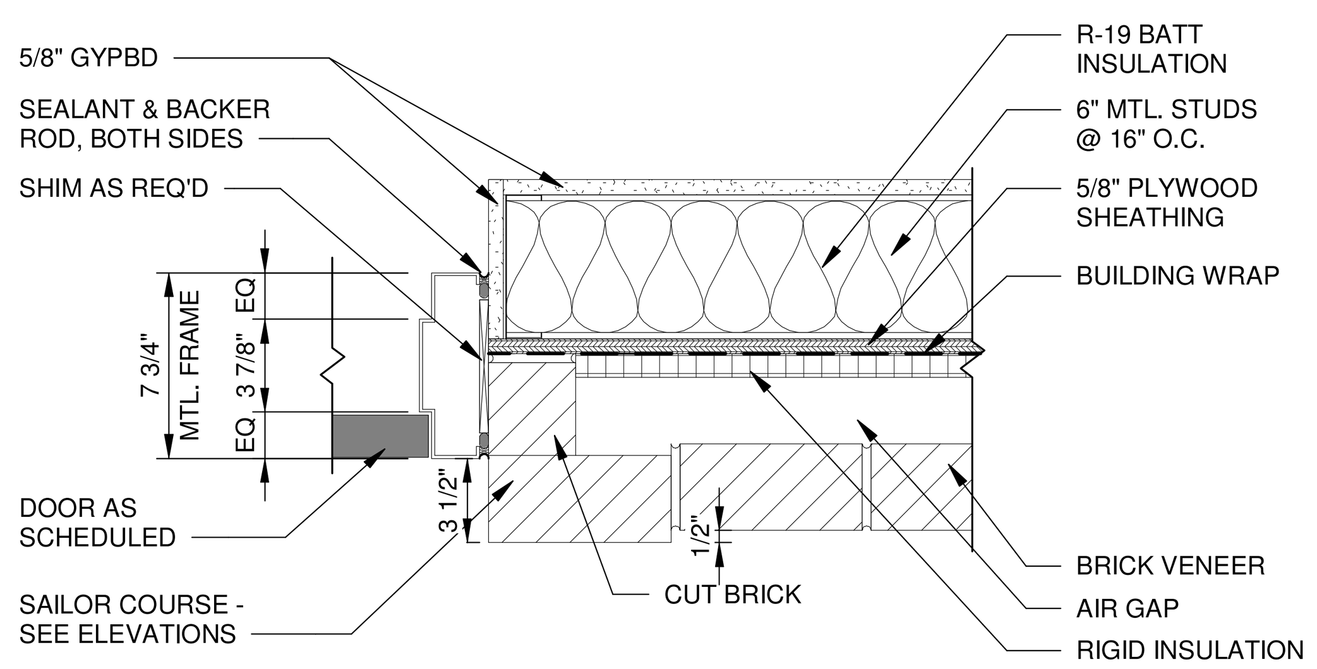
5 A-802 **JAMB DETAIL - OVERHEAD DOOR**
SCALE: 1 1/2" = 1'-0"



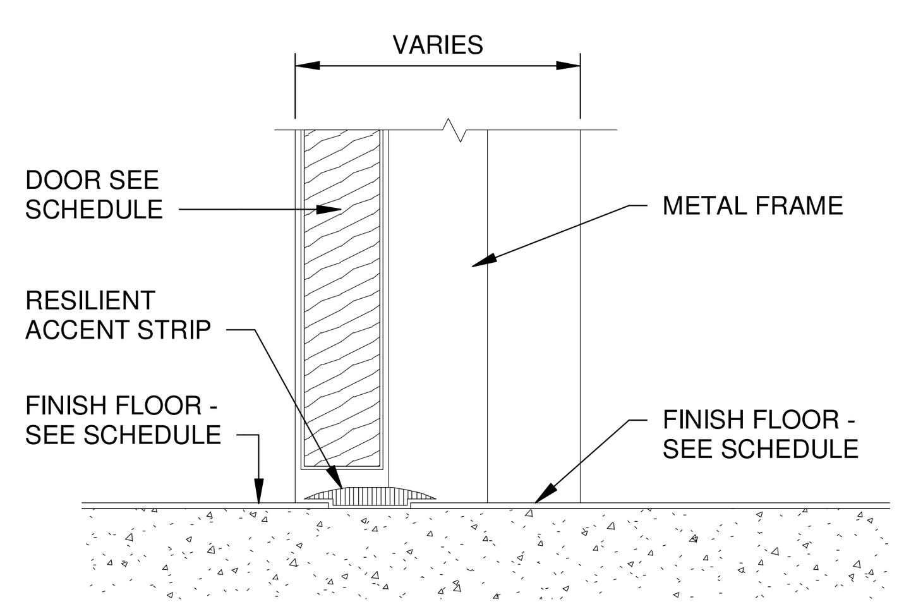
9 A-802 **FOLDING DOOR HEAD DETAIL**
SCALE: 1 1/2" = 1'-0"



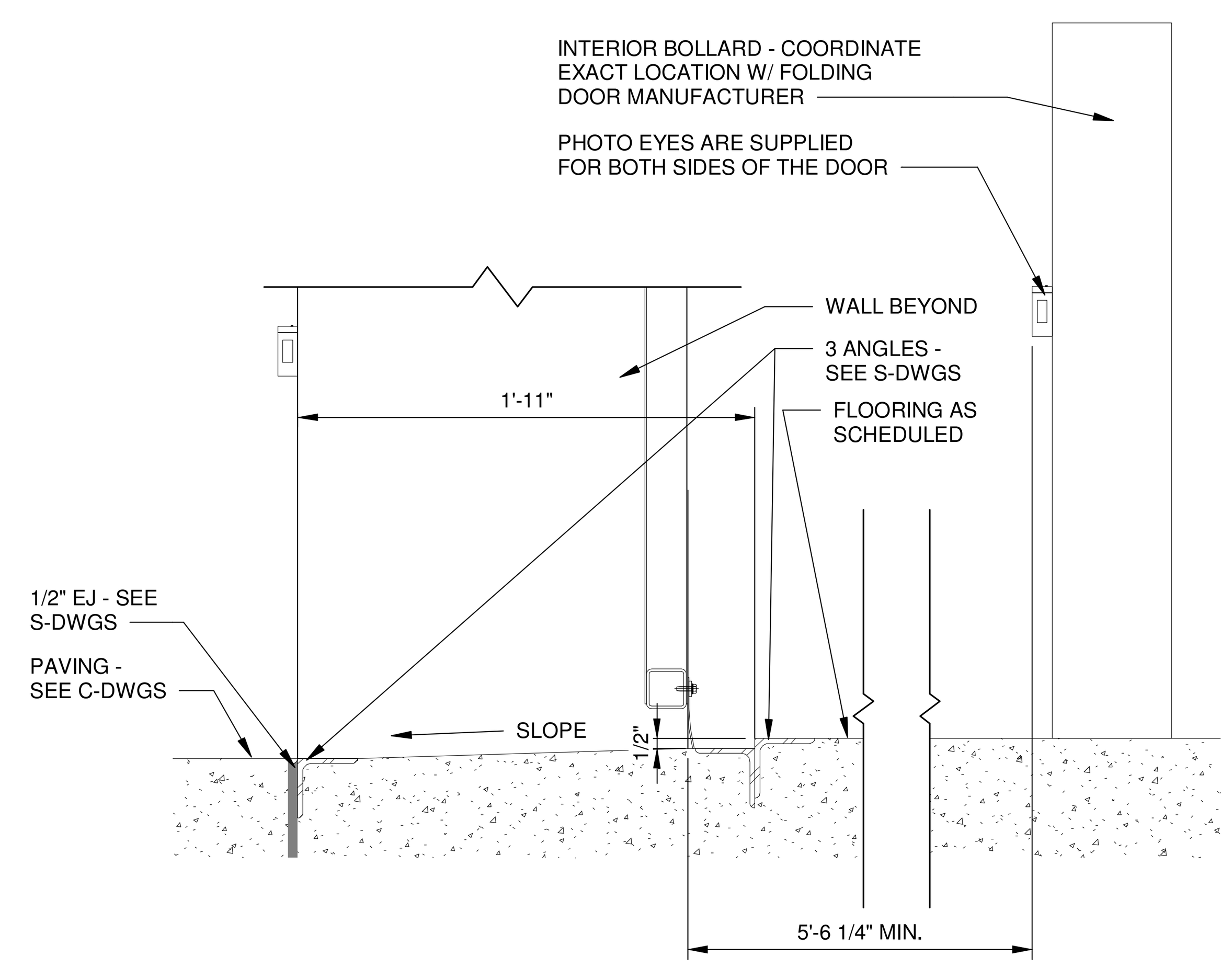
11 A-802 **FOLDING DOOR JAMB DETAIL**
SCALE: 1 1/2" = 1'-0"



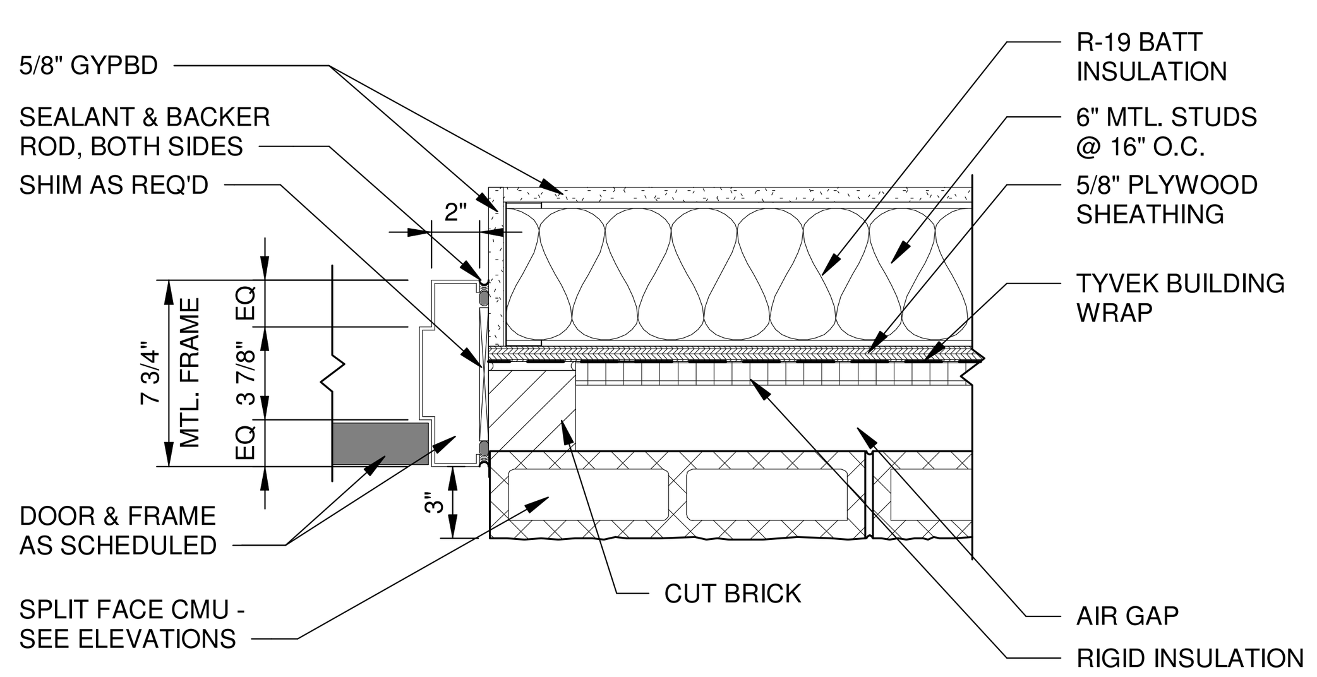
2 A-802 **JAMB DETAIL - EXT. MTL. STUD**
SCALE: 1 1/2" = 1'-0"



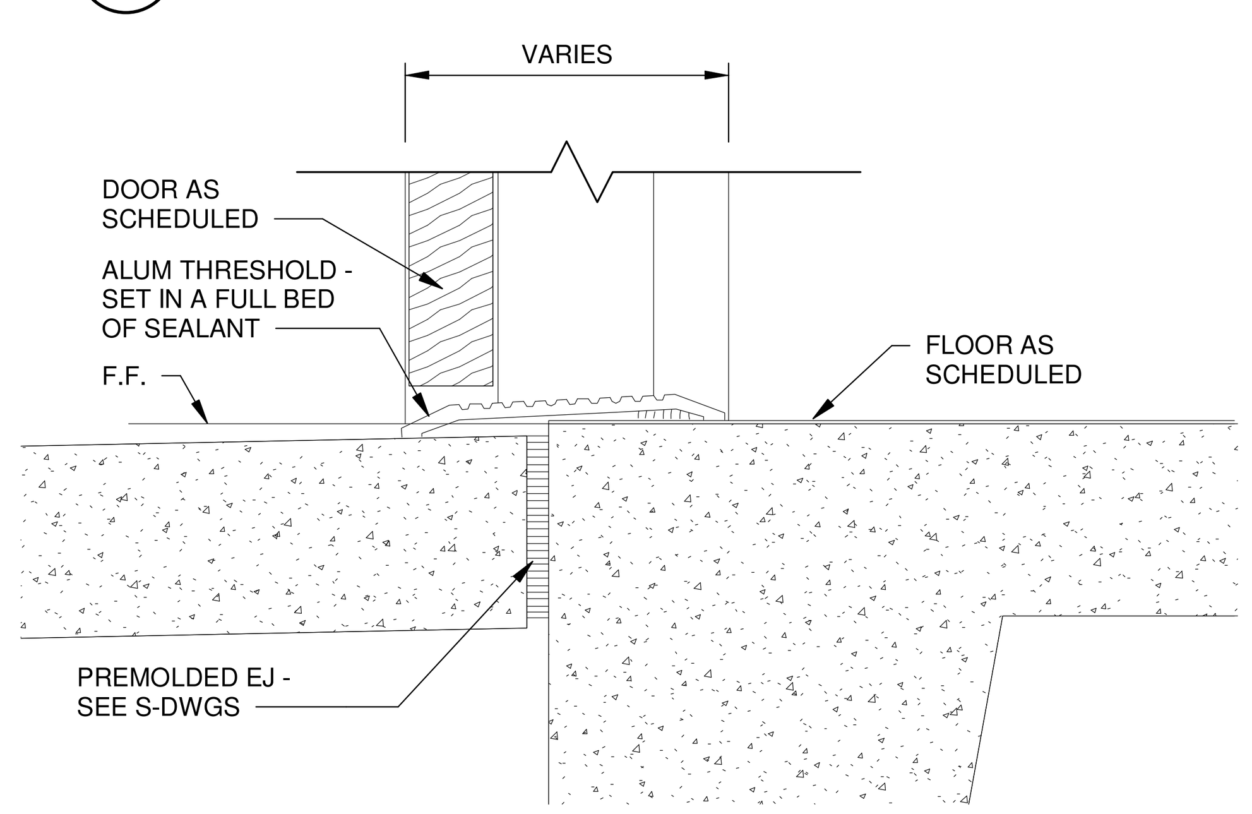
6 A-802 **INT. SILL DETAIL**
SCALE: 3" = 1'-0"



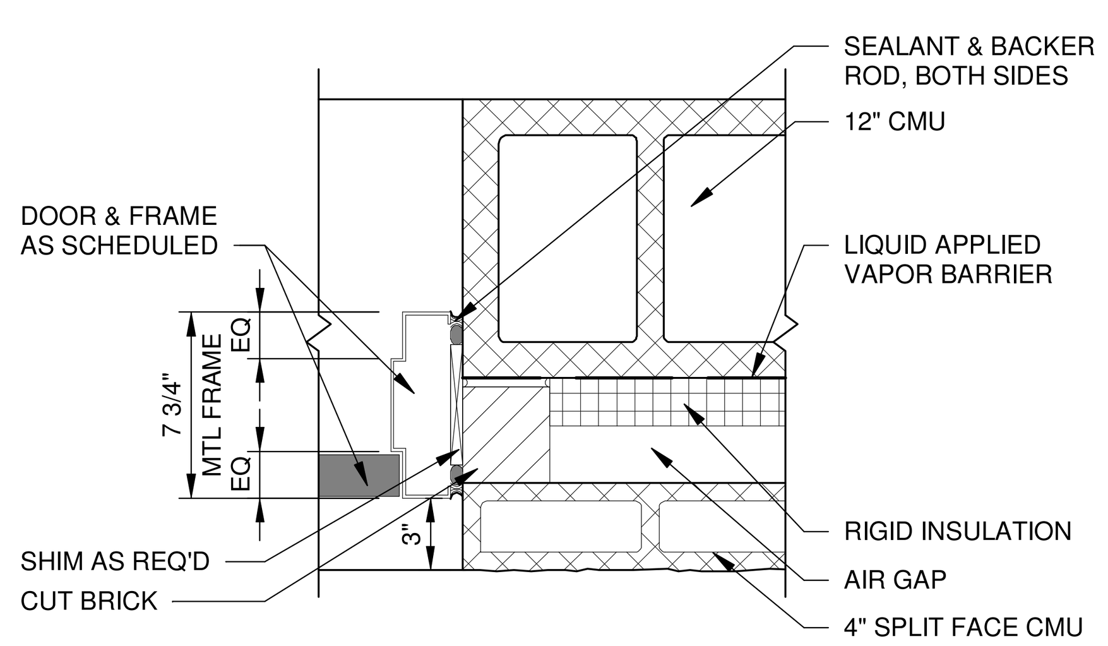
10 A-802 **FOLDING DOOR SILL DETAIL**
SCALE: 1 1/2" = 1'-0"



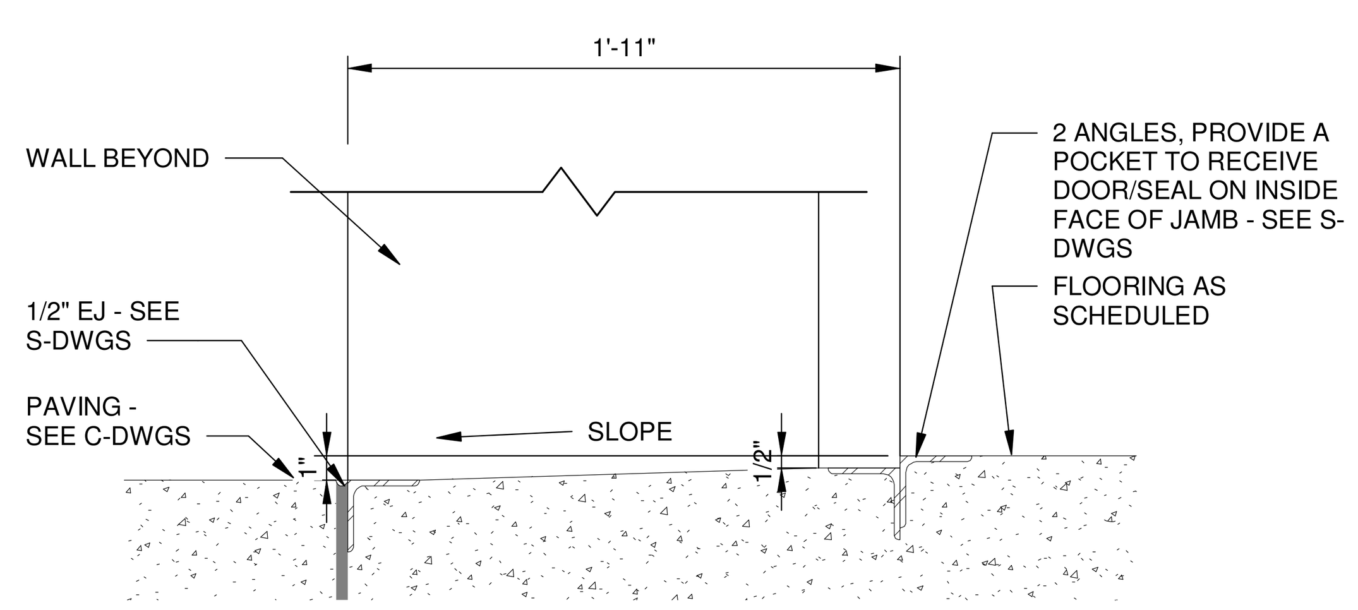
3 A-802 **JAMB DETAIL - EXT. MTL. STUD**
SCALE: 1 1/2" = 1'-0"



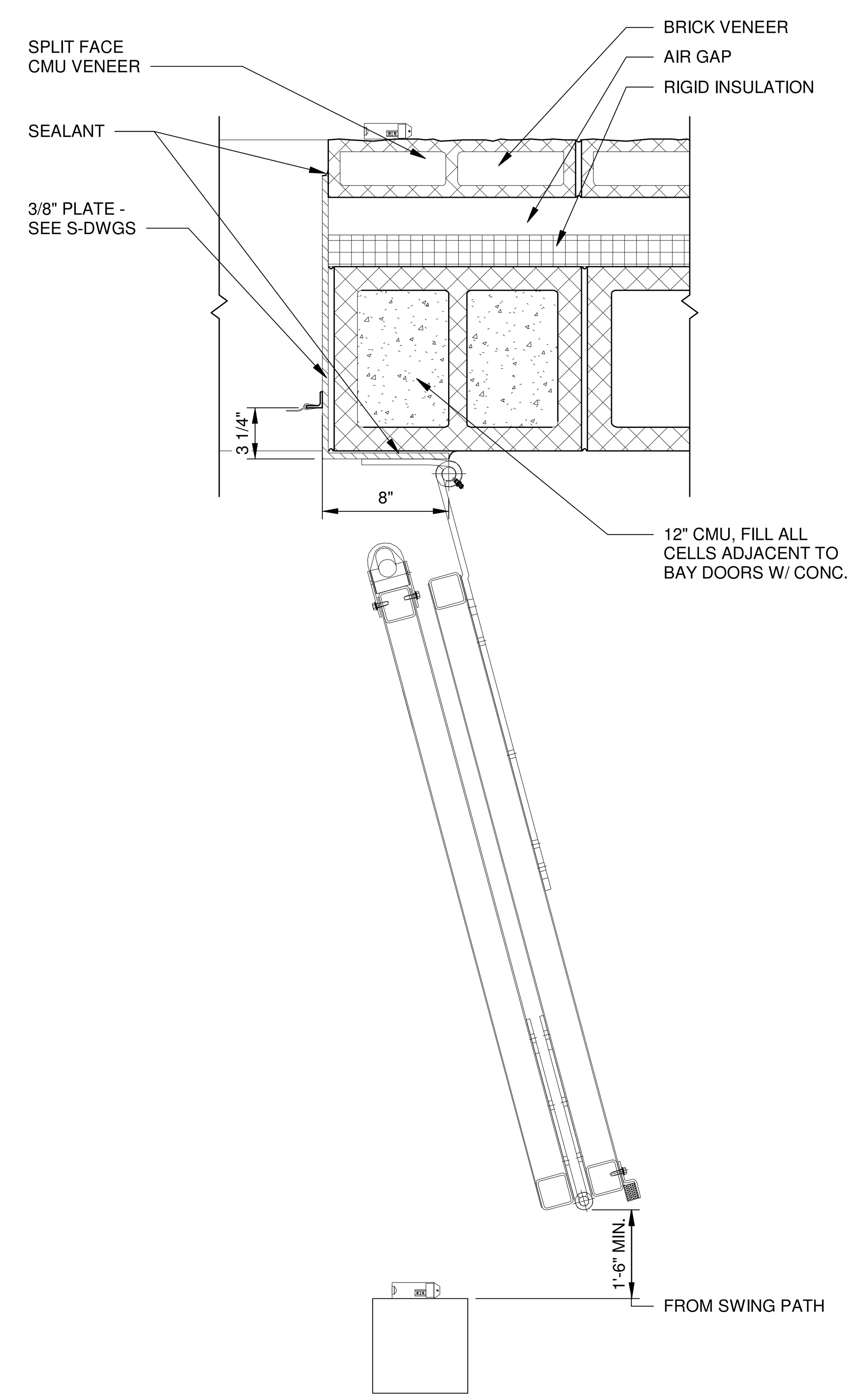
7 A-802 **EXT. SILL DETAIL**
SCALE: 3" = 1'-0"



4 A-802 **JAMB DETAIL - EXT. CMU**
SCALE: 1 1/2" = 1'-0"



8 A-802 **SILL DETAIL - OVERHEAD DOOR**
SCALE: 1 1/2" = 1'-0"



12 A-802 **FOLDING DOOR JAMB DETAIL**
SCALE: 1 1/2" = 1'-0"

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PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

04/29/2025

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	CTH/JNA
CHECKED BY:	WLD
DATE:	04/03/2024
SHEET TITLE:	DOOR DETAILS
SCALE	AS NOTED
DRAWING NO.	A-802
REV.	A

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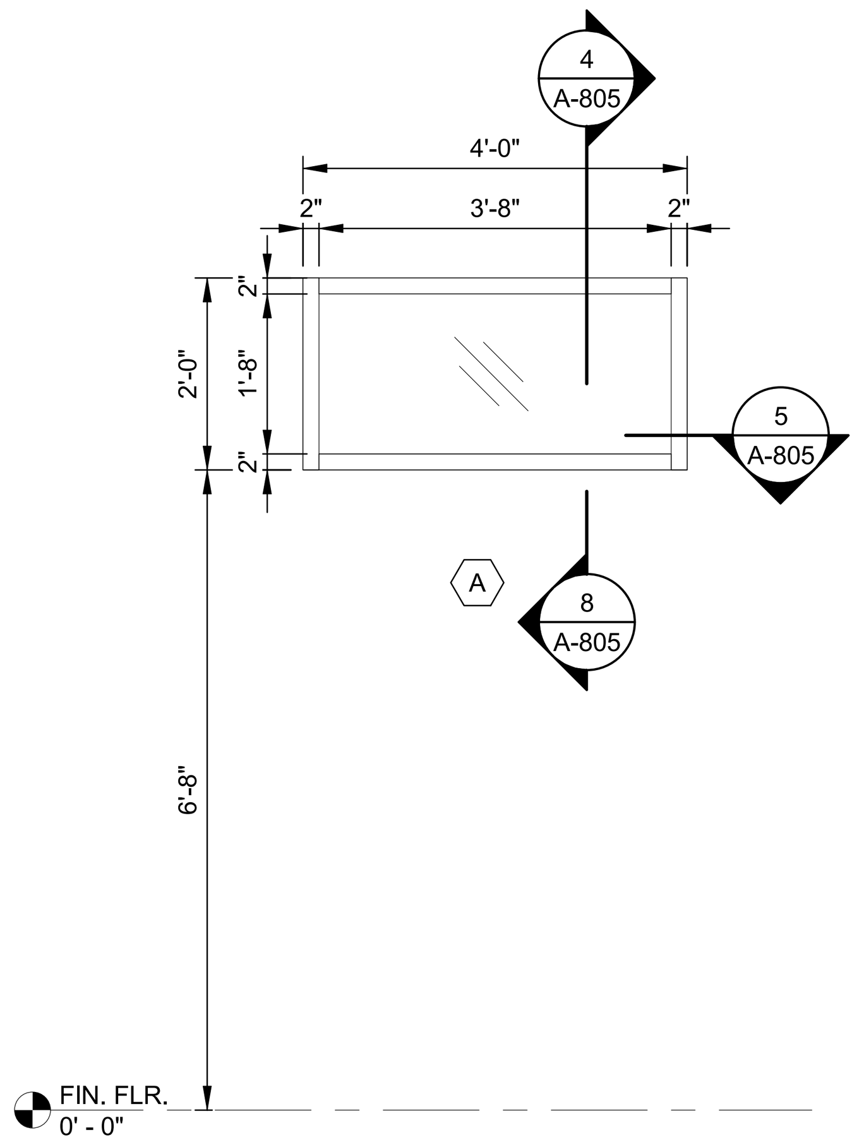
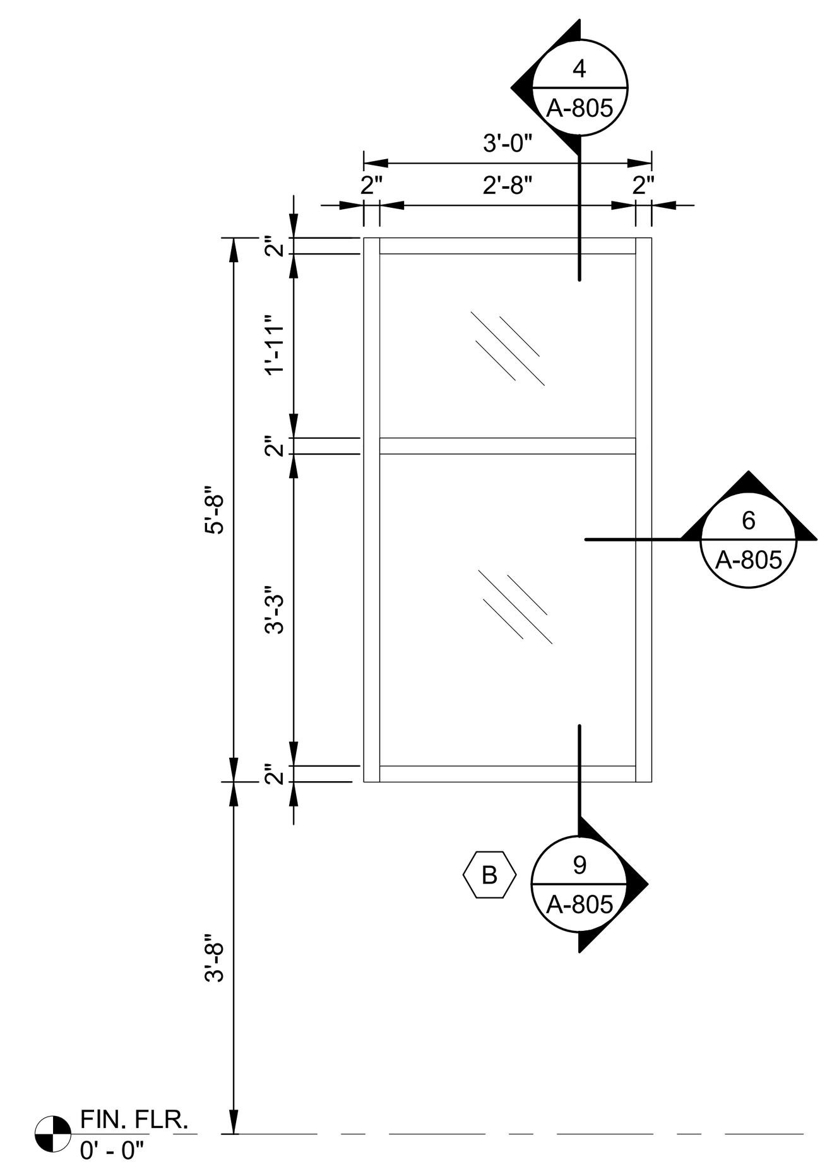
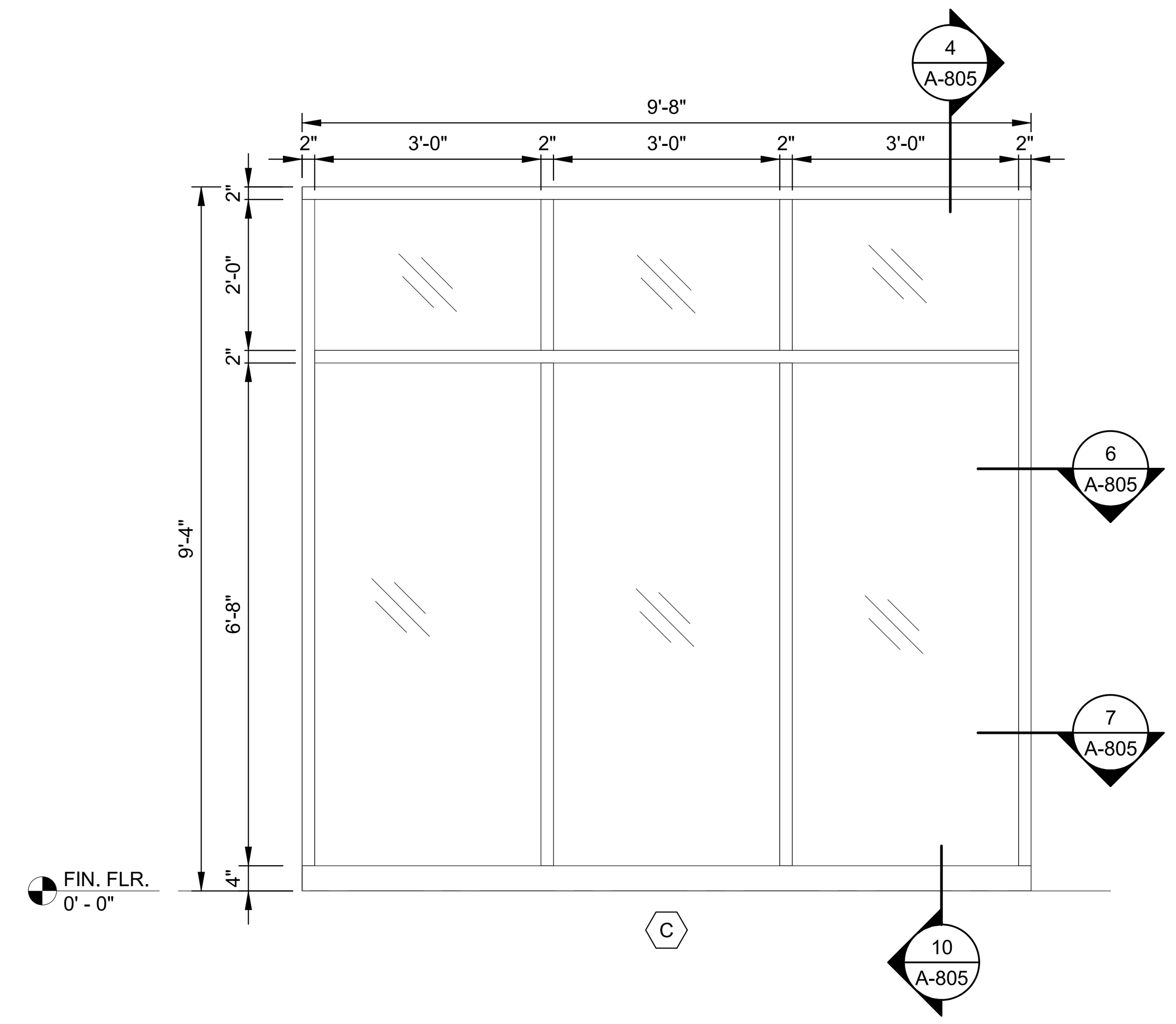


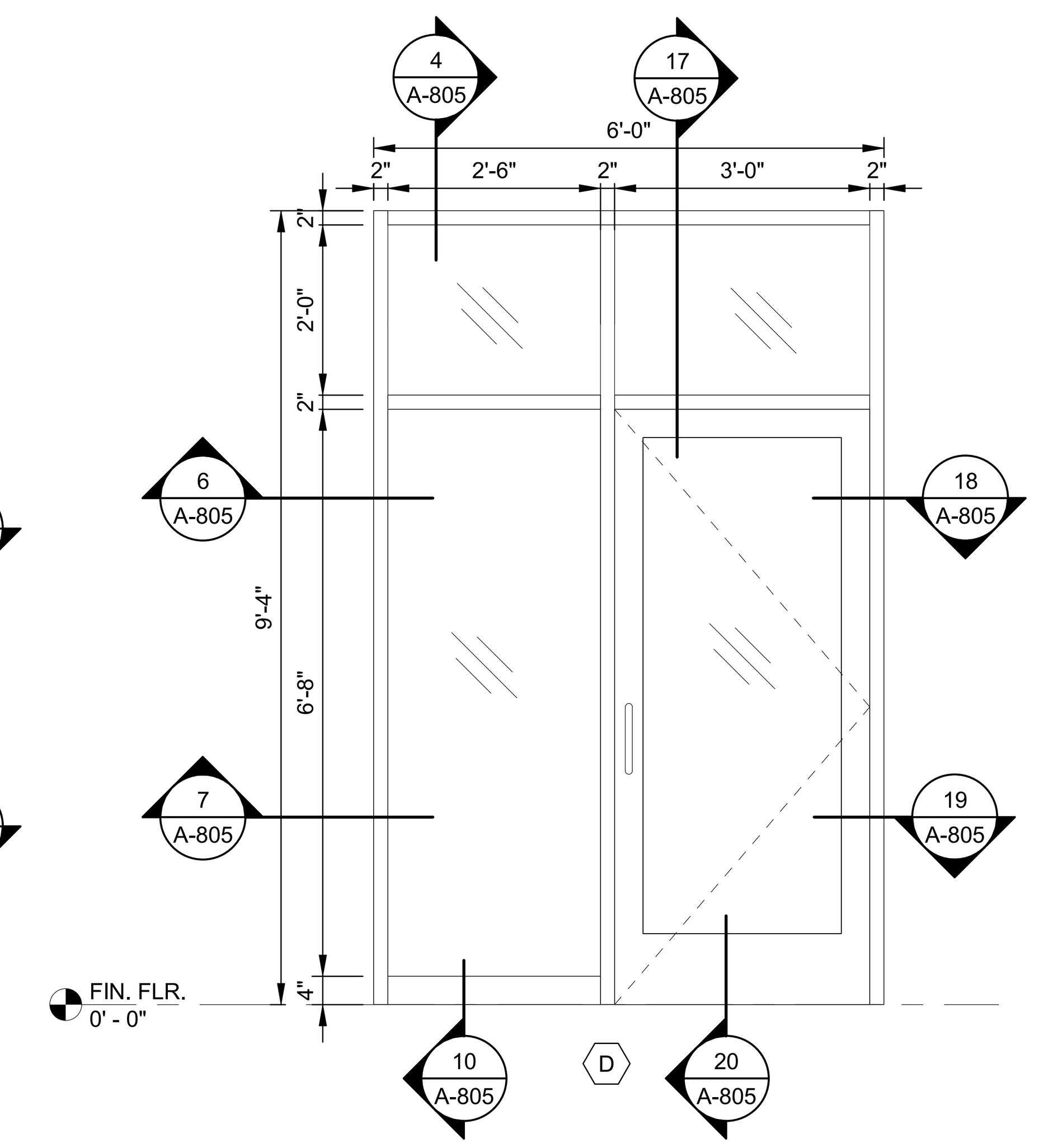
1 A-803 STOREFRONT A
SCALE: 1/2" = 1'-0"



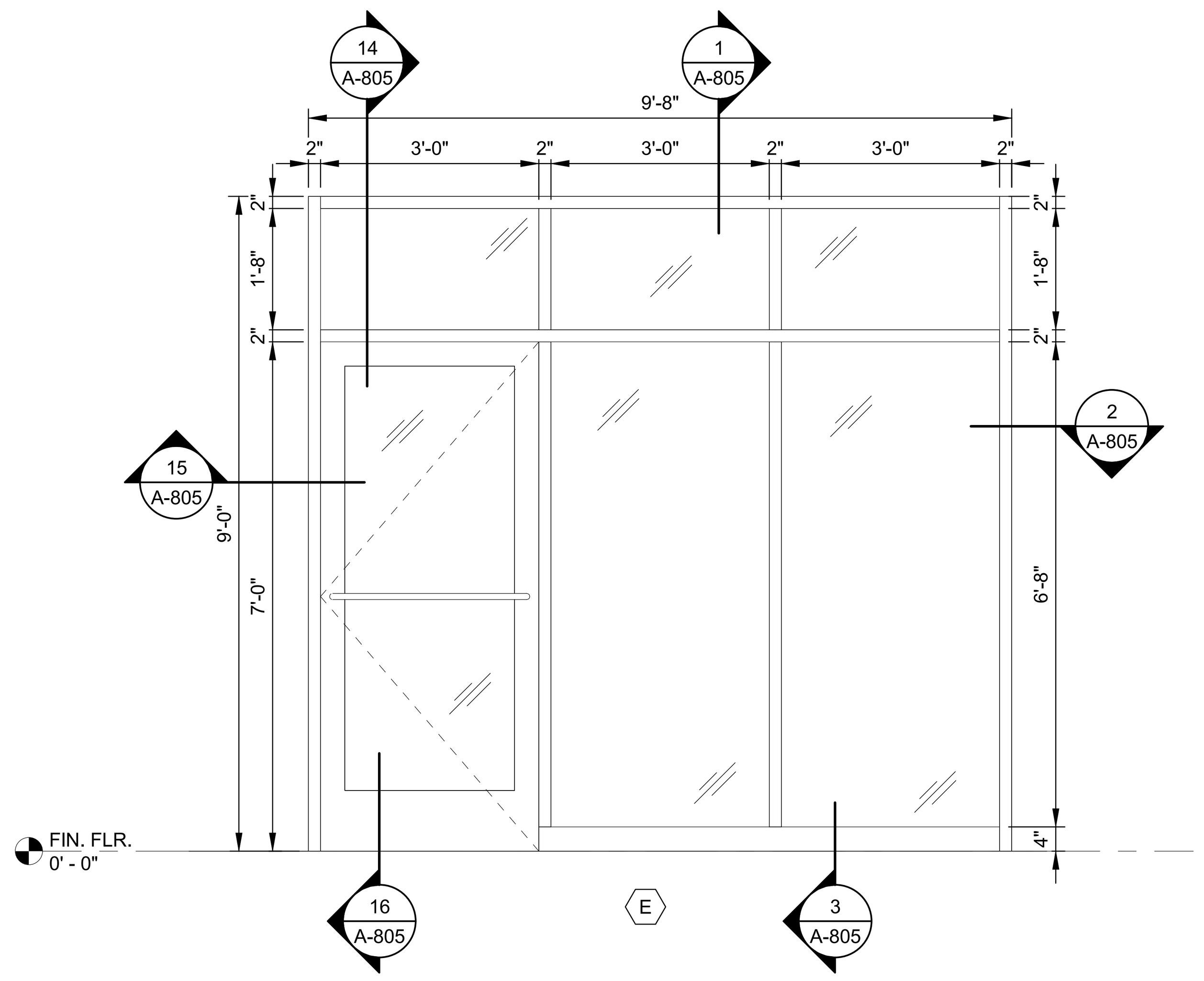
2 A-803 STOREFRONT B
SCALE: 1/2" = 1'-0"



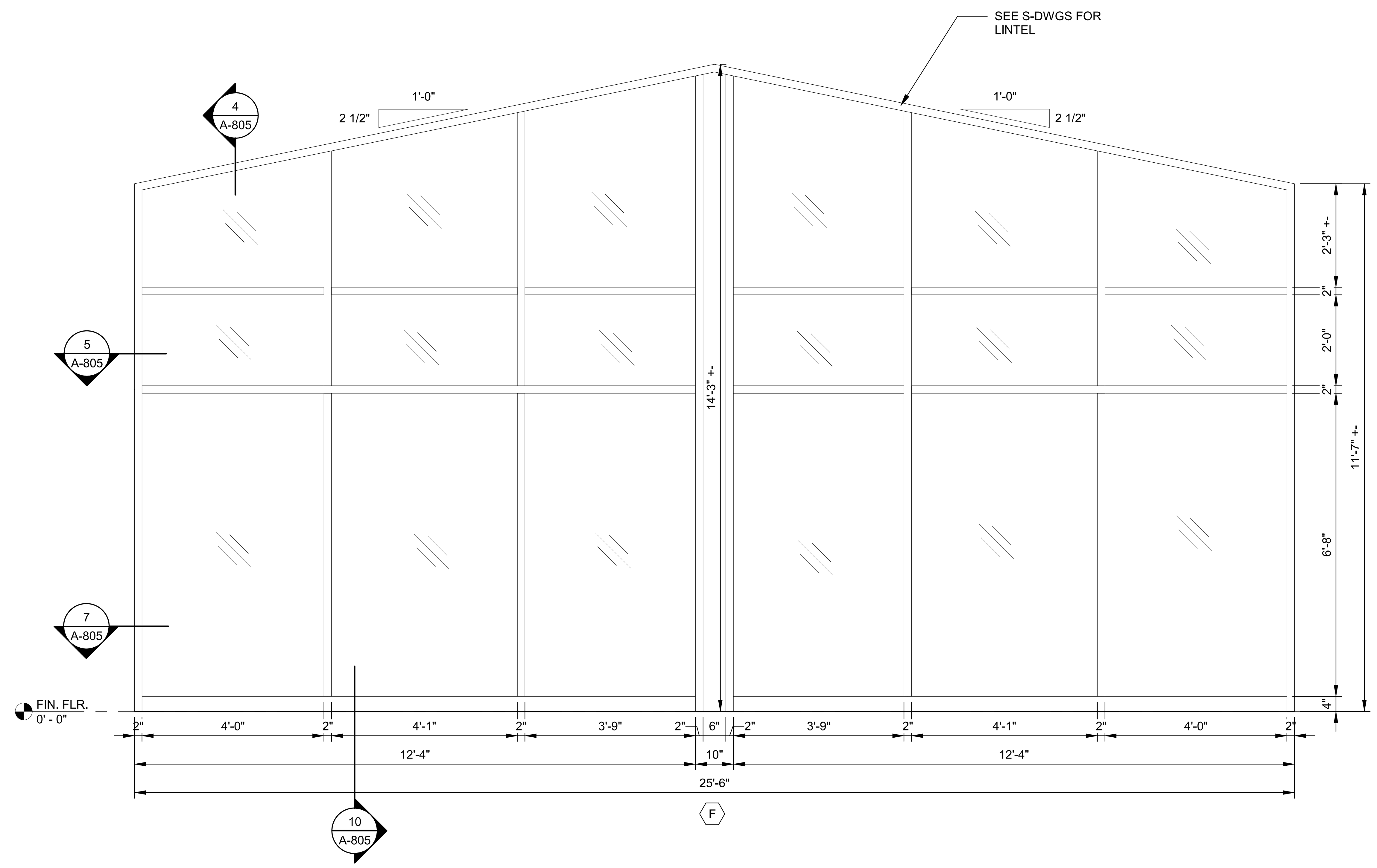
3 A-803 STOREFRONT C
SCALE: 1/2" = 1'-0"



4 A-803 STOREFRONT D
SCALE: 1/2" = 1'-0"



5 A-803 STOREFRONT E
SCALE: 1/2" = 1'-0"



6 A-803 STOREFRONT F
SCALE: 1/2" = 1'-0"

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PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

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REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JNA
CHECKED BY:	WLD
DATE:	04/03/2024
SHEET TITLE:	STOREFRONT ELEVATIONS
SCALE	AS NOTED
DRAWING NO.	A-803
REV.	A

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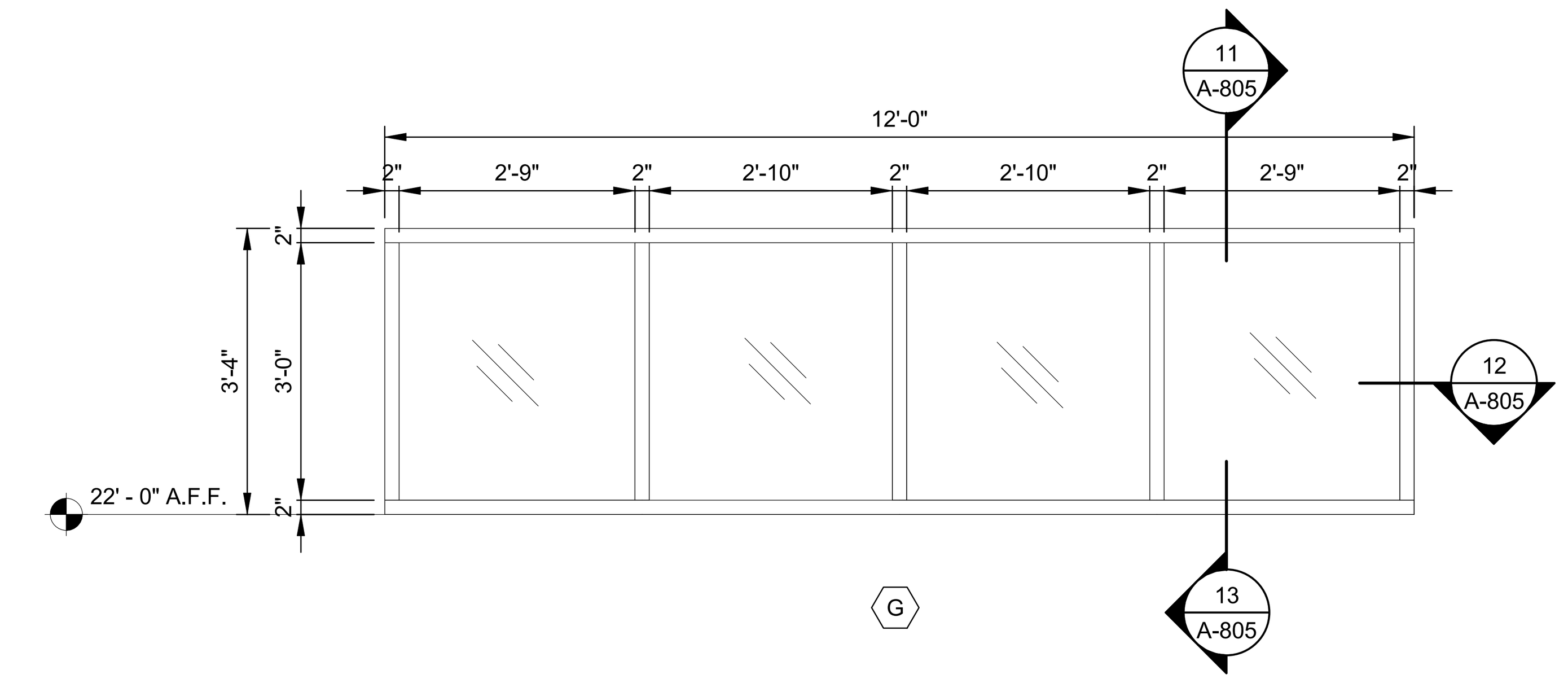
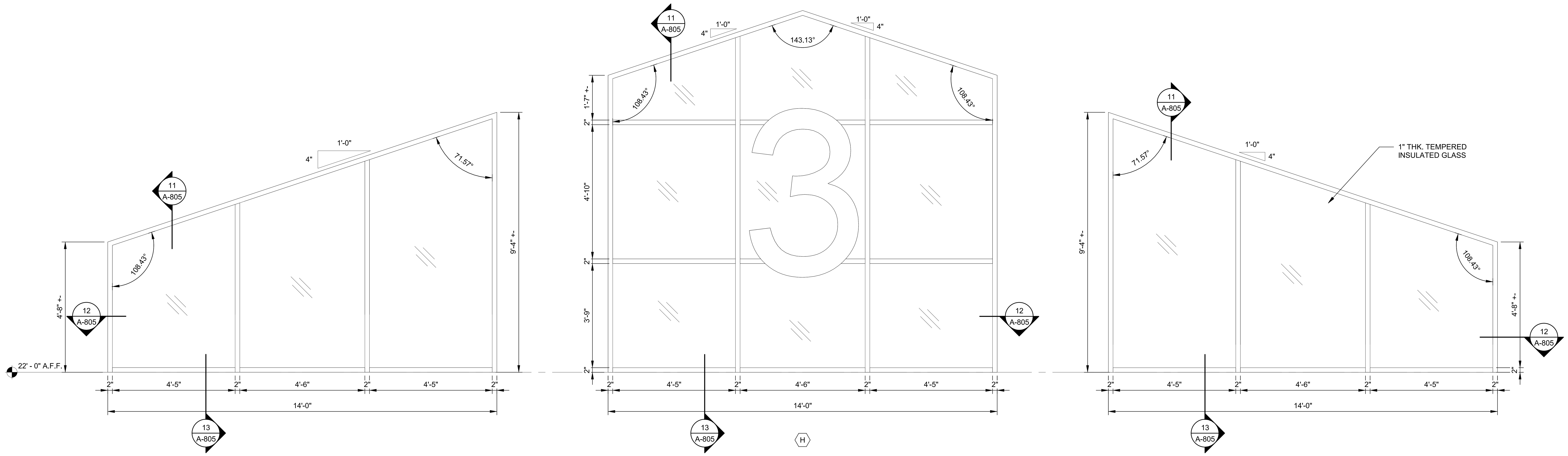
JLA-24X36 RFA
REV. 05/16/2024 JAP



1 A-804 **STOREFRONT G**
SCALE: 1/2" = 1'-0"



2 A-804 **STOREFRONT H**
SCALE: 1/2" = 1'-0"

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OFFSET PIVOT/BUTT HUNG WITH SURFACE CLOSER
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PROJECT NAME:
FIRE STATION #3

PROJECT LOCATION:
2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. PEF000356
EXPIRATION DATE: JUNE 30, 2026
CERTIFICATE OF AUTHORIZATION

04/29/2025

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JNA
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:
STOREFRONT ELEVATIONS

SCALE: AS NOTED
DRAWING NO. **A-804**
REV. **A**

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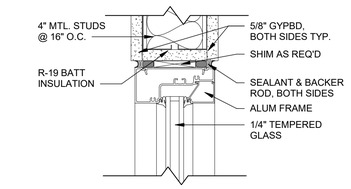
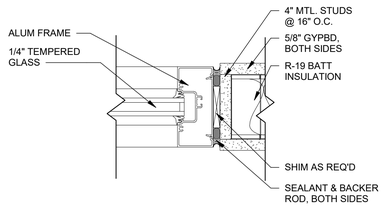


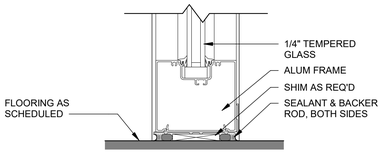
1 / A-805 HEAD DETAIL - INT. MTL. STUD

SCALE: 3" = 1'-0"



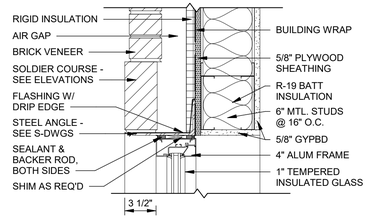
2 / A-805 JAMB DETAIL - INT. MTL. STUD

SCALE: 3" = 1'-0"



3 / A-805 SILL DETAIL - INT. MTL. STUD

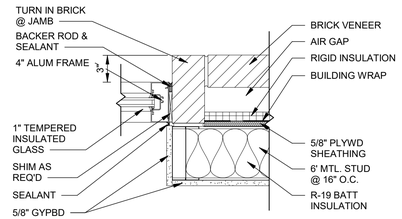
SCALE: 3" = 1'-0"



NOTE:
STOREFRONTS C, D & G HAVE 6" ALUM FRAMES.

4 / A-805 HEAD DETAIL - EXT. MTL. STUD

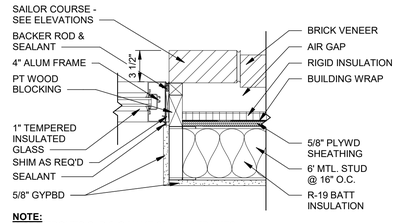
SCALE: 1 1/2" = 1'-0"



NOTE:
STOREFRONTS C, D & G HAVE 6" ALUM FRAMES.

5 / A-805 JAMB DETAIL - EXT. MTL. STUD

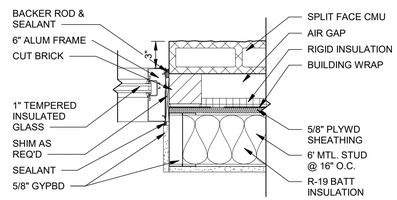
SCALE: 1 1/2" = 1'-0"



NOTE:
STOREFRONTS C, D & G HAVE 6" ALUM FRAMES.

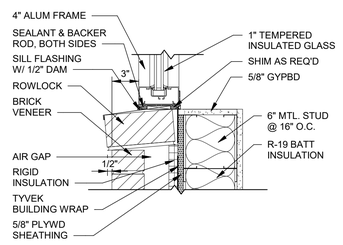
6 / A-805 JAMB DETAIL - EXT. MTL. STUD

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



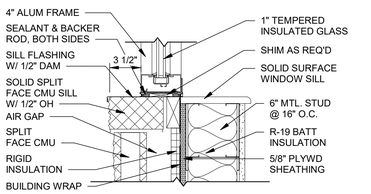
7 / A-805 JAMB DETAIL - EXT. MTL. STUD

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



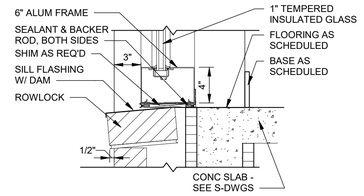
8 / A-805 SILL DETAIL - EXT. MTL. STUD

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



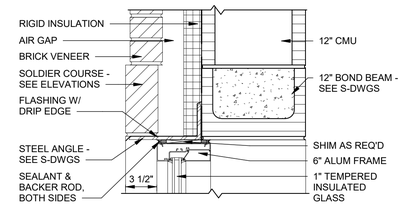
9 / A-805 SILL DETAIL - EXT. MTL. STUD

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



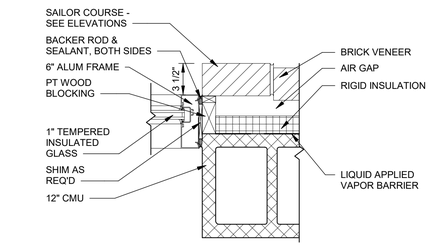
10 / A-805 SILL DETAIL - EXT. MTL. STUD

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



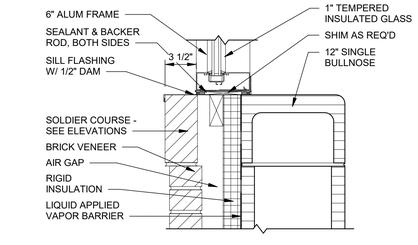
11 / A-805 HEAD DETAIL - EXT. CMU

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



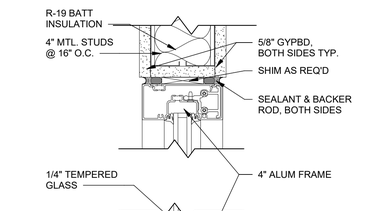
12 / A-805 JAMB DETAIL - EXT. CMU

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



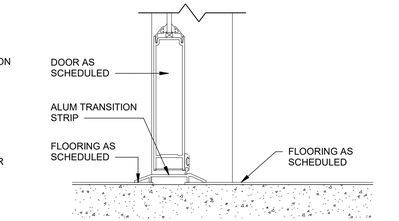
13 / A-805 SILL DETAIL - EXT. CMU

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



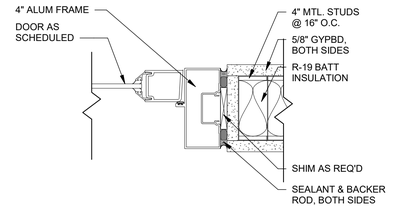
14 / A-805 HEAD DETAIL - INT. MTL. STUD

SCALE: 3" = 1'-0"



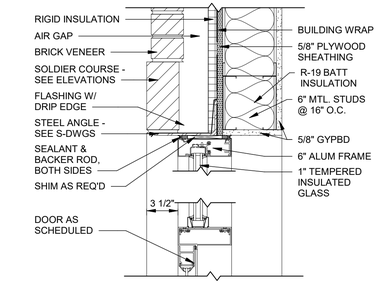
16 / A-805 STOREFRONT INT. SILL DETAIL

SCALE: 3" = 1'-0"



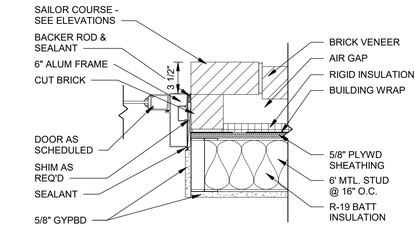
15 / A-805 JAMB DETAIL - INT. MTL. STUD

SCALE: 3" = 1'-0"



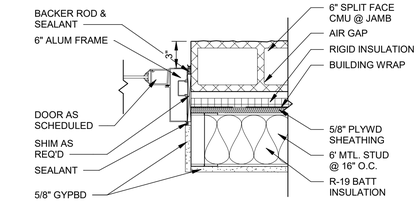
17 / A-805 HEAD DETAIL - EXT. MTL. STUD

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



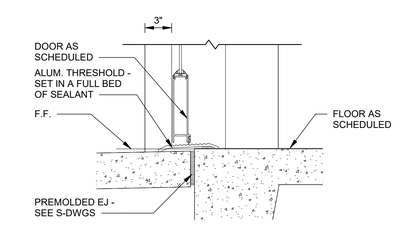
18 / A-805 JAMB DETAIL - EXT. MTL. STUD

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



19 / A-805 JAMB DETAIL - EXT. MTL. STUD

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



20 / A-805 STOREFRONT EXT. SILL DETAIL

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

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WWW.THEJLAGROUP.COM

CLIENT:

PROJECT NAME: AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	CTH/JNA
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:

STOREFRONT DETAILS

SCALE	AS NOTED
DRAWING NO.	REV.
A-805	A

C:\Revit - Local Projects\3042-2403_Augusta Fire Station #3\3042403-Architectural-Local_jthomas.rvt

4/29/2025 2:55:46 PM

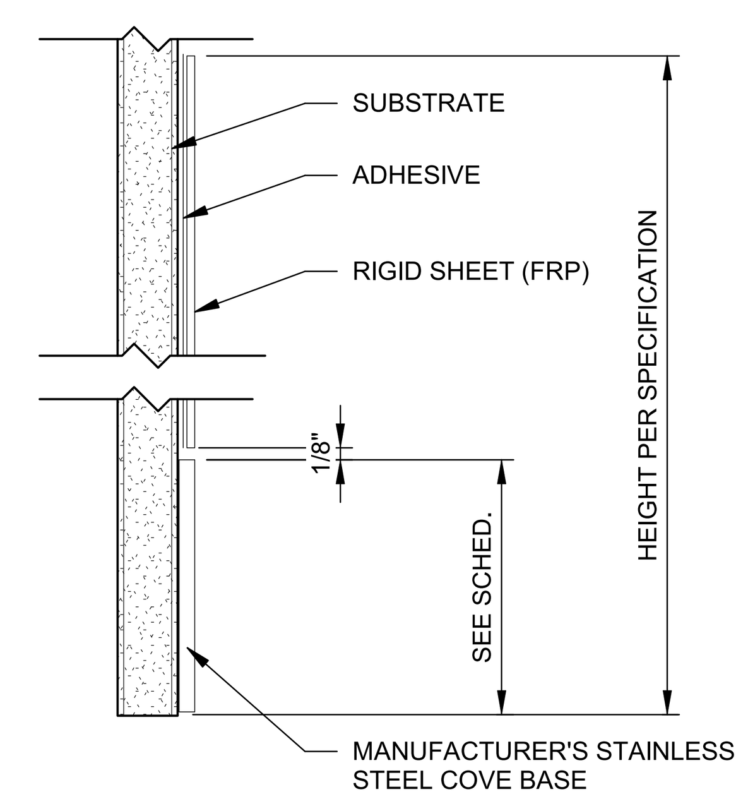
JLA-24X36.RFA
REV 09/17/2020 JHP

ABBREVIATIONS

ACT:	ACOUSTICAL CEILING TILE	LVT:	LUXURY VINYL TILE	RSTR:	RUBBER STAIR TREAD/RISER
CG:	CORNER GUARD	MTL:	METAL	SC:	SEALED CONCRETE
CONC:	CONCRETE	OFCI:	OWNER FURNISHED, CONTRACTOR INSTALLED	SPF:	SPORTS FLOORING
CPT:	CARPET	OFOI:	OWNER FURNISHED, OWNER INSTALLED	SS:	SOLID SURFACE
CT:	CERAMIC TILE	PC:	POLISHED CONCRETE	ST:	STAIN
CTB:	CERAMIC TILE BASE	PL:	PLASTIC LAMINATE	STC:	STAMPED CONCRETE
CTF:	CERAMIC TILE FLOORING	PLW:	PLYWOOD	STL:	STAINLESS SHEET
CWT:	CERAMIC WALL TILE	PM:	PERFORATED METAL	SV:	SHEET VINYL
EPX:	EPOXY FLOORING	PT:	PAINT	TBD:	TO BE DETERMINED
EPC:	EPOXY COATING	PTB:	PORCELAIN TILE BASE	TR:	TRANSITION STRIP
EPP:	EPOXY PAINT	PTF:	PORCELAIN TILE FLOORING	WC:	WALL COVERING
ETR:	EXISTING TO REMAIN	PWT:	PORCELAIN WALL TILE	WDB:	WOOD BASE
EXP:	EXPOSED STRUCTURE	RB:	RUBBER / VINYL BASE	WDF:	WOOD FLOORING
FRP:	FIBER REINFORCED PANEL	RF:	RUBBER FLOOR	WAF:	WOOD ATHLETIC FLOORING
GB:	GYPSUM BOARD	RN:	RUBBER NOSING	VCT:	VINYL COMPOSITION TILE
GT:	GROUT	RT:	RUBBER TILE	VRB:	VENTED RUBBER BASE

FINISH NOTES

1. INSTALLERS OF EACH FINISH MATERIAL SHALL INSPECT BOTH THE SUBSTRATE AND CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. INSTALLER SHALL NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN AN ACCEPTABLE MANNER TO ALL PARTIES AND MEET ALL MANUFACTURERS REQUIREMENTS.
2. PREPARE FLOORING SUBSTRATES ACCORDING TO MANUFACTURER'S WRITTEN RECOMMENDATIONS. INSTALL FLOOR FINISH PRIOR TO INSTALLING WALL BASE (TYPICAL ALL FLOORING).
3. SELECT FLOOR TRANSITIONS ACCORDING TO FLOOR MATERIAL THICKNESS. PROVIDE TRANSITIONS STRIPS AT ALL FLOOR FINISH CHANGES. SEE FINISH SPECIFICATIONS. ALL FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTER LINE OF CLOSED DOOR.
4. PROTECT NEW FLOORING INSTALLATION WITH CLEAN CONSTRUCTION PAPER OR OTHER HEAVY COVERING DURING CONSTRUCTION PERIOD TO PREVENT STAINING OR DAMAGE. AFTER CLEANING, PROVIDE PROTECTIVE COVERING AND MAINTAIN CONDITIONS TO PROTECT FLOORING FROM DAMAGE AND TRAFFIC FROM MOVE-IN OF EQUIPMENT.
5. CLEAN AND PREPARE SURFACES TO BE PAINTED ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS FOR EACH SUBSTRATE CONDITION AND AS SPECIFIED. APPLY PAINT ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. USE APPLICATORS AND TECHNIQUES BEST SUITED FOR SUBSTRATE AND TYPE OF MATERIAL BEING APPLIED. PROVIDE A MINIMUM OF ONE (1) PRIMER COAT AND TWO (2) FINISH COATS UNLESS OTHERWISE INDICATED.
6. ALL WALLS TO RECEIVE A FINISH. IF MISSING FROM SCHEDULE, CONTACT ARCHITECT OR INTERIOR DESIGNER.
7. ALL HOLLOW METAL DOOR AND DOOR FRAMES TO RECEIVE PAINT, PER DOOR SCHEDULE AND INTERIOR FINISH SPECIFICATIONS.
8. ALL GYP. BOARD AND EXPOSED CEILINGS TO RECEIVE PAINT, PER INTERIOR FINISH SCHEDULE AND SPECIFICATIONS.
9. PAINT ENTIRETY OF APPARATUS BAY TRUSSES EPP-2 RED, ONLY. PURLINS, OTHER STRUCTURE AND EXPOSED CEILING TO BE PAINTED EPP-1. PRIME AND PAINT ALL EXPOSED STRUCTURE, FRAMING, BRACING, DUCTWORK AND CONDUIT.
10. SEE A-902 FOR PAINTED WALL STRIPE DESIGN IN APPARATUS BAY.
11. ALLOW SUFFICIENT TIME BETWEEN SUCCESSIVE COATS OF PAINT TO PERMIT PROPER DRYING. AFTER WORK OF OTHER TRADES IS COMPLETE, TOUCH UP AND RESTORE DAMAGED OR DEFACED PAINTED SURFACES.
12. MANUAL ROLLER SHADES ON ALL EXTERIOR WINDOWS AT 10'-0"H AND BELOW, UNLESS NOTED OTHERWISE.
13. CORNER GUARDS TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS ABOVE WALL BASE.
14. ALL DEVICES (OUTLETS, SWITCHES, ETC.) AND COVER PLATES SHALL BE WHITE, UNLESS NOTED OTHERWISE.
15. COORDINATE HEIGHT OF WALL-MOUNTED TVS WITH POWER AND DATA REQUIREMENTS; PROVIDE FULLY RECESSED BACK BOXES AT WALL TVS.
16. IF ANY DISCREPANCIES OR OMISSIONS ARE FOUND IN THE INTERIOR FINISH SCHEDULE OR SPECIFICATIONS, CONTACT ARCHITECT OR INTERIOR DESIGNER PRIOR TO ORDERING PRODUCT OR COMMENCING WORK.



1 A-901 **DETAIL - RIGID SHEET**
SCALE: 6" = 1'-0"

INTERIOR FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	BASE	WALL MAT.	WALL FINISH	CEILING MAT.	CEILING FINISH	CEILING HEIGHT	COMMENTS
100	APPARATUS BAY	SC	RB-1	CMU	EPP-1 / EPP-2	EXP	EPP-1 / EPP-2	VARIES	SEE RCP AND FINISH PLAN FOR PAINT DESIGN DETAILS
101	LOBBY	LVT-1	RB-1	GB	PT-1 / PT-2 / PT-3	GB	PT-5	VARIES	SEE FINISH PLAN FOR ACCENT PAINT LOCATIONS
102	TOILET	CT-1	CTB-1	GB	CWT-1 / PT-1	GB	PT-5	9' - 0"	
103	TOILET	CT-1 / CT-2	CTB-1	GB	CWT-1 / PT-1	GB	PT-5	9' - 0"	CWT-1 ON WET WALL ONLY
104	COMMUNITY ROOM	LVT-1	RB-1	GB	PT-1 / PT-2	GB / ACT	PT-5 / ACT-1	9' - 6" / 10' - 0"	SEE FINISH PLAN FOR ACCENT PAINT LOCATIONS; SEE RCP FOR CEILING DESIGN
105	STORAGE	LVT-1	RB-1	GB	PT-1	GB	PT-5	9' - 0"	
106	I.T.	SC	RB-1	GB	PT-1	GB	PT-5	9' - 0"	
107	EXERCISE	RF-1	RB-1	GB	PT-1 / PT-3	ACT	ACT-1	9' - 6"	SEE FINISH PLAN FOR ACCENT PAINT LOCATIONS
108	BATTALION CHIEF QUARTERS	LVT-1	RB-1	GB	PT-1	ACT	ACT-1	9' - 0"	
109	OFFICE	LVT-1	RB-1	GB	PT-1	ACT	ACT-1	9' - 0"	
110	TOOLS	PC	RB-1	GB	EPP-1	GB	EPP-1	9' - 0"	
111	CORR	LVT-1	RB-1	GB	PT-1 / EPP-2	ACT	ACT-1	9' - 0"	SEE FINISH PLAN FOR ACCENT PAINT LOCATION
112	CORRIDOR	LVT-1	RB-1	GB	PT-1 / PT-2 / PT-3	GB / ACT	PT-5 / ACT-1	9' - 0" / 10' - 0"	SEE FINISH PLAN FOR ACCENT PAINT LOCATIONS; SEE RCP FOR CEILING DESIGN
113	EMS STORAGE	SC	RB-1	CMU / GB	EPP-1	GB	EPP-1	9' - 0"	
114	DECON	EPX-1	EPX-1	CMU / GB	FRP-1	GB	EPP-1	9' - 0"	
115	DECON SHOWER ROOM	EPX-1	EPX-1	GB	EPP-1	GB	EPP-1	9' - 0"	
116	DECON TOILET ROOM	EPX-1	EPX-1	GB	EPP-1	GB	EPP-1	9' - 0"	
117	DECON LOCKER ROOM	EPX-1	EPX-1	CMU / GB	EPP-1	GB	EPP-1	9' - 0"	
118	TURN-OUT GEAR	EPX-1	EPX-1	CMU / GB	EPP-1	GB	EPP-1	9' - 0"	
119	DAYROOM	LVT-1	RB-1	GB	PT-1 / PT-2 / PT-3	GB / ACT	PT-5 / ACT-1	9' - 6" / 10' - 0"	SEE FINISH PLAN FOR ACCENT PAINT LOCATIONS; SEE RCP FOR CEILING DESIGN
120	KITCHEN	LVT-1	RB-1	GB	PT-1 / PT-3	GB / ACT	PT-5 / ACT-1	9' - 0" / 9' - 6"	SEE FINISH PLAN FOR ACCENT PAINT LOCATION
121	TLT/SHOWER	CT-1 / CT-2	CTB-1	GB	CWT-1 / CT-2 / PT-1	GB	PT-5	9' - 0"	CT-2 ON SHOWER FLOOR & NICHE ONLY; SEE INTERIOR ELEVATIONS FOR WALL TILE LOCATIONS
122	TLT/SHOWER	CT-1 / CT-2	CTB-1	GB	CWT-1 / CT-2 / PT-1	GB	PT-5	9' - 0"	CT-2 ON SHOWER FLOOR & NICHE ONLY; SEE INTERIOR ELEVATIONS FOR WALL TILE LOCATIONS
123	LINEN	LVT-1	RB-1	GB	PT-1	GB	PT-5	9' - 0"	
124	TLT/SHOWER	CT-1 / CT-2	CTB-1	GB	CWT-1 / CT-2 / PT-1	GB	PT-5	9' - 0"	CT-2 ON SHOWER FLOOR & NICHE ONLY; SEE INTERIOR ELEVATIONS FOR WALL TILE LOCATIONS
125	LAUNDRY /JAN	LVT-1	RB-1	GB	PT-1	GB	PT-5	9' - 0"	
126	ELEC	SC	RB-1	GB	PT-1	GB	PT-5	9' - 0"	
127	CORRIDOR	LVT-1	RB-1	GB	PT-1	ACT	ACT-1	9' - 0"	
128	SLEEP 1	LVT-1	RB-1	GB	PT-1	ACT	ACT-1	9' - 0"	
129	SLEEP 4	LVT-1	RB-1	GB	PT-1	ACT	ACT-1	9' - 0"	
130	SLEEP 2	LVT-1	RB-1	GB	PT-1	ACT	ACT-1	9' - 0"	
131	SLEEP 5	LVT-1	RB-1	GB	PT-1	ACT	ACT-1	9' - 0"	
132	SLEEP 3	LVT-1	RB-1	GB	PT-1	ACT	ACT-1	9' - 0"	
133	SLEEP 6	LVT-1	RB-1	GB	PT-1	ACT	ACT-1	9' - 0"	
134	SLEEP 7	LVT-1	RB-1	GB	PT-1	ACT	ACT-1	9' - 0"	
135	SLEEP 8	LVT-1	RB-1	GB	PT-1	ACT	ACT-1	9' - 0"	
201	MEZZANINE	SC	RB-1	CMU / GB	EPP-1	EXP	EPP-1	VARIES	

INTERIOR FINISH SPECIFICATIONS

ACT-1 - ACOUSTICAL CEILING TILE
MANUFACTURER: ARMSTRONG
TILE SPEC: FINE FISSURED HIGH NRC, 24" x 24" x 7/8" ANGLED TEGULAR, #1756, COLOR: WHITE
GRID SPEC: PRELUDE XL 15/16" SUSPENSION SYSTEM, COLOR: WHITE

CTB-1 - CERAMIC TILE BASE
MANUFACTURER: B&F CERAMICS
SPEC: MYSTONE, UNPOLISHED
SIZE: BULLNOSE 3"x12"
COLOR: SAND
CONTACT: THE TILE CENTER 706-722-6804

LVT-1 - LUXURY VINYL TILE
MANUFACTURER: SHAW CONTRACT
SPEC: UNCOMMON GROUND 6 0188V
SIZE: 6" x 36"
COLOR: TELLURIDE 02540
CONTACT: JOE WALKER 706-831-3938

SS-1 - SOLID SURFACE
MANUFACTURER: DUPONT CORIAN
SIZE: 2CM
COLOR: LINEN
CONTACT: PAUL STEVENS 678-662-0919

CG-1 - CORNER GUARD
MANUFACTURER: INPRO
SPEC: SURFACE MOUNT STAINLESS STEEL CORNER GUARD, 90°, 2" x 8', 16 GAUGE
CONTACT: ALEXIS CAPPS, 704-456-5568 acapps@inprocorp.com

EPX-1 - EPOXY RESIN FLOORING
MANUFACTURER: SHERWIN-WILLIAMS
SPEC: RESUFLOR DECO QUARTZ BC23 WITH 4" INTEGRAL COVE BASE; COVE STRIP AT TOP TO MEET GYP. BOARD WALL
COLOR: TBD
CONTACT: ZACH FOSTER, 706-495-0505, Zach.Z.Foster@sherwin.com

PL-1 - PLASTIC LAMINATE
MANUFACTURER: WILSONART
SPEC: STANDARD LAMINATE
COLOR: SHADOW D96-60

ST-1 - WOOD DOOR STAIN
MANUFACTURER: MASONITE
SERIES: ASPIRO SERIES
WOOD SPECIES: WHITE BIRCH (ROTARY)
COLOR: COCOA BEAN

CT-1 - PORCELAIN TILE
MANUFACTURER: B&F CERAMICS
SPEC: MYSTONE, UNPOLISHED
SIZE: 8"x16"
PATTERN: SQUARE GRID
COLOR: SAND
CONTACT: THE TILE CENTER 706-722-6804

FRP-1 - RIGID SHEET
MANUFACTURER: CRANE COMPOSITES
SPEC: DESIGNS
COLOR: SADDLEBUNCH (1296)
TEXTURE: SATIN SANDSTONE
CONTACT: JOHN BECK, 704-830-8653, jbeck@cranecomposites.com

PL-2 - PLASTIC LAMINATE
MANUFACTURER: WILSONART
SPEC: STANDARD LAMINATE
COLOR: CASUAL LINEN #4944-38

TR-1 - TRANSITION STRIPS
LVT TO SEALED CONCRETE
MANUFACTURER: ROPPE
SPEC: RUBBER
COLOR: #193 BLACK BROWN

CT-2 - PORCELAIN TILE
MANUFACTURER: B&F CERAMICS
SPEC: MYSTONE, UNPOLISHED
SIZE: MOSAIC 2"x 2"
COLOR: SAND
CONTACT: THE TILE CENTER 706-722-6804

GT-1 - FLOOR GROUT
MANUFACTURER: MAPEI
SPEC: SANDED
COLOR: #106 WALNUT

RB-1 - RUBBER BASE
MANUFACTURER: ROPPE
SPEC: STD COVE BASE, 700 SERIES
COLOR: #640 CREEKBED
CONTACT: ...

TR-2 - TRANSITION STRIPS
LVT TO CERAMIC TILE
MANUFACTURER: SCHLUTER
SPEC: RENO-V
COLOR: ANODIZED ALUMINUM

CWT-1 - PORCELAIN WALL TILE
MANUFACTURER: B&F CERAMICS
SPEC: MYSTONE, UNPOLISHED
SIZE: 8"x16"
PATTERN: SQUARE GRID
COLOR: SAND
CONTACT: THE TILE CENTER 706-722-6804

GT-2 - WALL GROUT
MANUFACTURER: MAPEI
SPEC: UNSANDED
COLOR: #106 WALNUT

RF-1 - RUBBER FLOORING
MANUFACTURER: ROPPE
SPEC: RECOIL FITNESS FLOORING
SIZE: 3/8"
COLOR: 186 RED
CONTACT: ...

RS-1 - MANUAL ROLLER SHADE
MANUFACTURER: SWF CONTRACT
SPEC: TRUEPERFORMANCE MANUAL SOLAR SHADES, INSIDE MOUNT, CROSSHATCH A SERIES, 3% OPENNESS
SIZE: VARIES - SEE PLANS AND ELEVATIONS
FABRIC COLOR: BONE / PLATINUM FASCIA, SIDE, SILL COLOR: 970 VANILLA

RS-2 - MANUAL ROLLER SHADE - BLACKOUT
MANUFACTURER: SWF CONTRACT
SPEC: TRUEPERFORMANCE MANUAL SOLAR SHADES, INSIDE MOUNT, ENTERPRISE BLACKOUT
SIZE: VARIES - SEE PLANS AND ELEVATIONS
FABRIC COLOR: C1303 TAN FASCIA, SIDE, SILL COLOR: 970 VANILLA

PAINT

PT-1 - WALL PAINT
MANUFACTURER: SHERWIN-WILLIAMS
SPEC: INTERIOR, EGGSHELL FINISH
COLOR: SW 1015 SKYLINE STEEL

PT-2 - ACCENT WALL PAINT
MANUFACTURER: SHERWIN-WILLIAMS
SPEC: INTERIOR, EGGSHELL FINISH
COLOR: SW 9174 MOTH WING

PT-3 - ACCENT WALL PAINT
MANUFACTURER: SHERWIN-WILLIAMS
SPEC: INTERIOR, EGGSHELL FINISH
COLOR: SW 6868 REAL RED

PT-4 - METAL DOOR/DOOR FRAME PAINT
MANUFACTURER: SHERWIN-WILLIAMS
SPEC: SEMI-GLOSS FINISH
COLOR: SW 7027 WELL-BRED BROWN

PT-5 - GYP CEILING PAINT
MANUFACTURER: SHERWIN-WILLIAMS
SPEC: INTERIOR, FLAT FINISH
COLOR: SW 1015 SKYLINE STEEL

EPP-1 - EPOXY PAINT
MANUFACTURER: SHERWIN-WILLIAMS
SPEC: EPOXY
COLOR: SW 1015 SKYLINE STEEL

EPP-2 - EPOXY PAINT
MANUFACTURER: SHERWIN-WILLIAMS
SPEC: EPOXY
COLOR: SW 6868 REAL RED

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PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

04/29/2025

GEORGIA
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. PEF000356
EXPIRATION DATE: JUNE 30, 2026
CERTIFICATE OF AUTHORIZATION

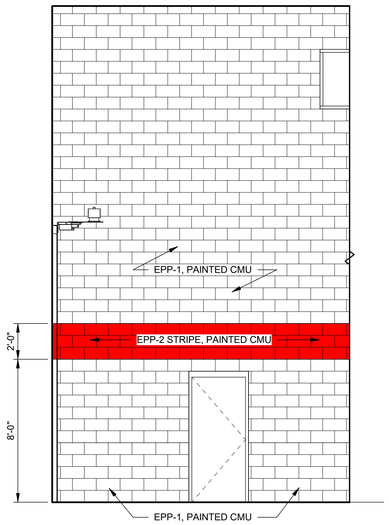
REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JPT
CHECKED BY:	WLD
DATE:	04/03/2024

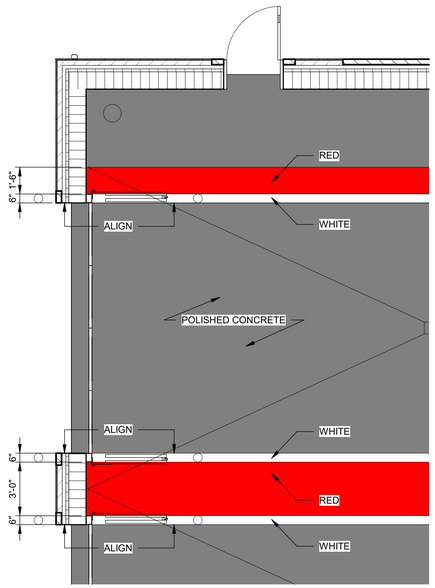
SHEET TITLE:
ROOM FINISH SCHEDULE, SPECIFICATIONS, & PLAN

SCALE: AS NOTED
DRAWING NO.: **A-901**
REV.: **A**

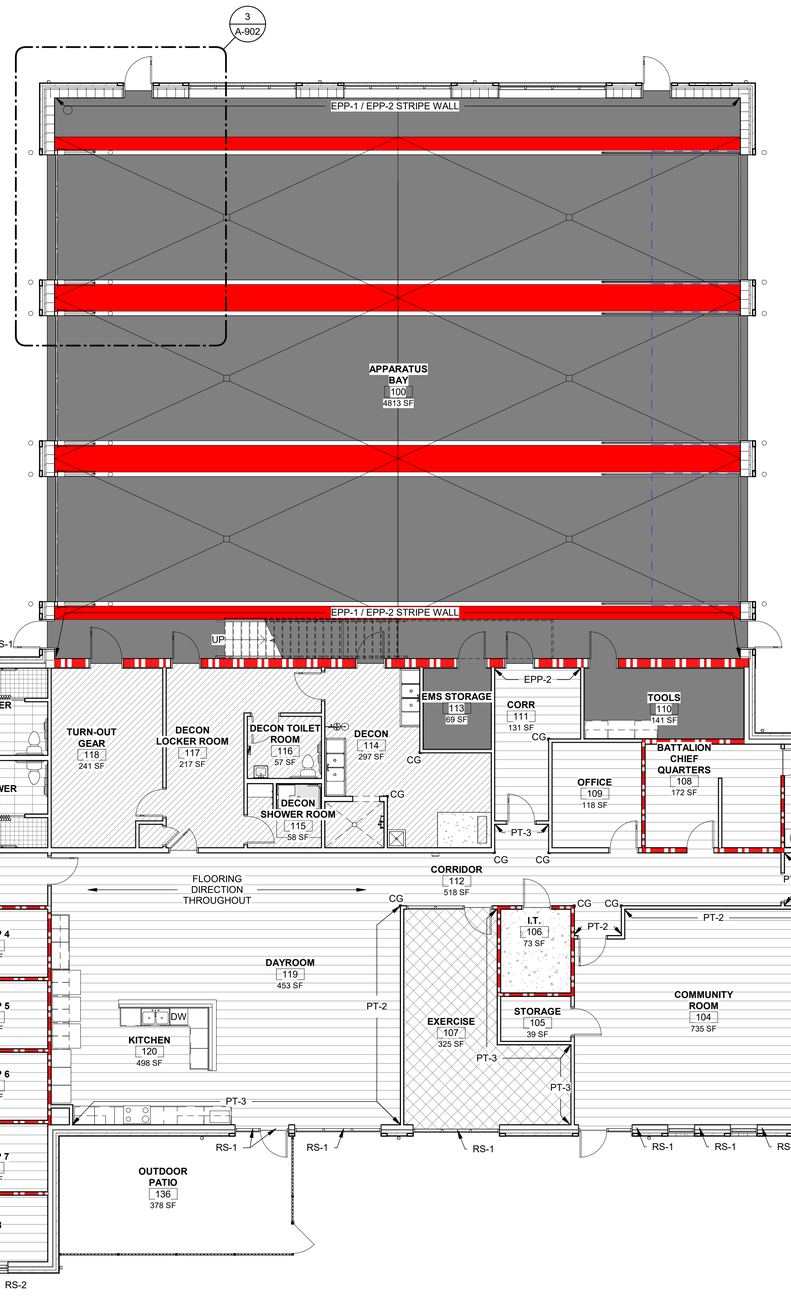
C:\Revit - Local Projects\3042-2403_Augusta Fire Station #3\3042403-Architectural-Local_jthomas.rvt
4/29/2025 2:55:18 PM
JLA-24X36 RFA REV. 05/16/2024 JAP



2 A-902 **PAINTED WALL STRIPE - APPARATUS BAY**
SCALE: 1/4" = 1'-0"



3 A-902 **PAINTED FLOOR - APPARATUS BAY**
SCALE: 1/4" = 1'-0"



1 A-902 **FINISH PLAN**
SCALE: 1/8" = 1'-0"

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"
0 .5 1 2 4 8 12 FT.
SCALE: 1/4" = 1'-0"

FLOORING LEGEND

- LUXURY VINYL TILE (LVT)
- CT-1 CERAMIC TILE
- CT-2 MOSAIC CERAMIC TILE
- EPOXY FLOORING
- POLISHED CONCRETE
- RUBBER FLOORING
- SEALED CONCRETE
- EPOXY FLOOR PAINT

NOTES

1. PATTERN INDICATES LOCATION ONLY. ACTUAL PATTERN TO BE DETERMINED BY FLOORING FINISH SELECTION.
2. SEE ROOM FINISH SCHEDULE AND SPECIFICATIONS ON A-901.
3. ALL FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTER LINE OF CLOSED DOOR OR CASED OPENING. PROVIDE TRANSITIONS STRIPS AT ALL FLOOR FINISH TRANSITIONS.

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PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

STATE OF GEORGIA — WILLIAM L. WATSON, III — REGISTERED ARCHITECT — 04/29/2025

GEORGIA — JOHNSON, LASCHOBER & ASSOCIATES, P.C. — No. PEF000356 — EXPIRATION DATE: JUNE 30, 2026 — CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JPT
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE: **ROOM FINISH PLAN**

SCALE: AS NOTED

DRAWING NO. **A-902** REV. A

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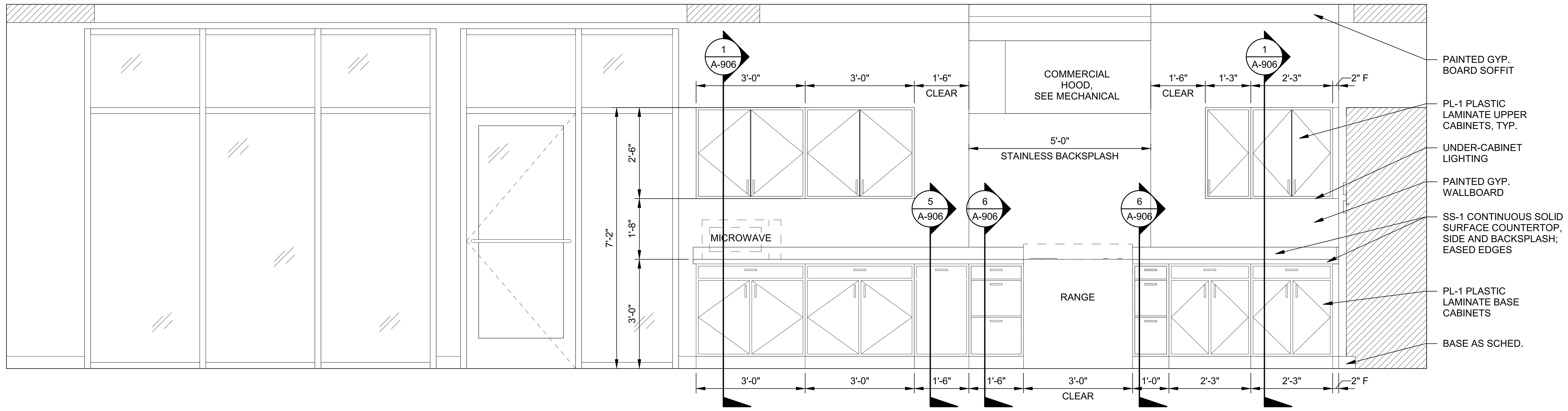
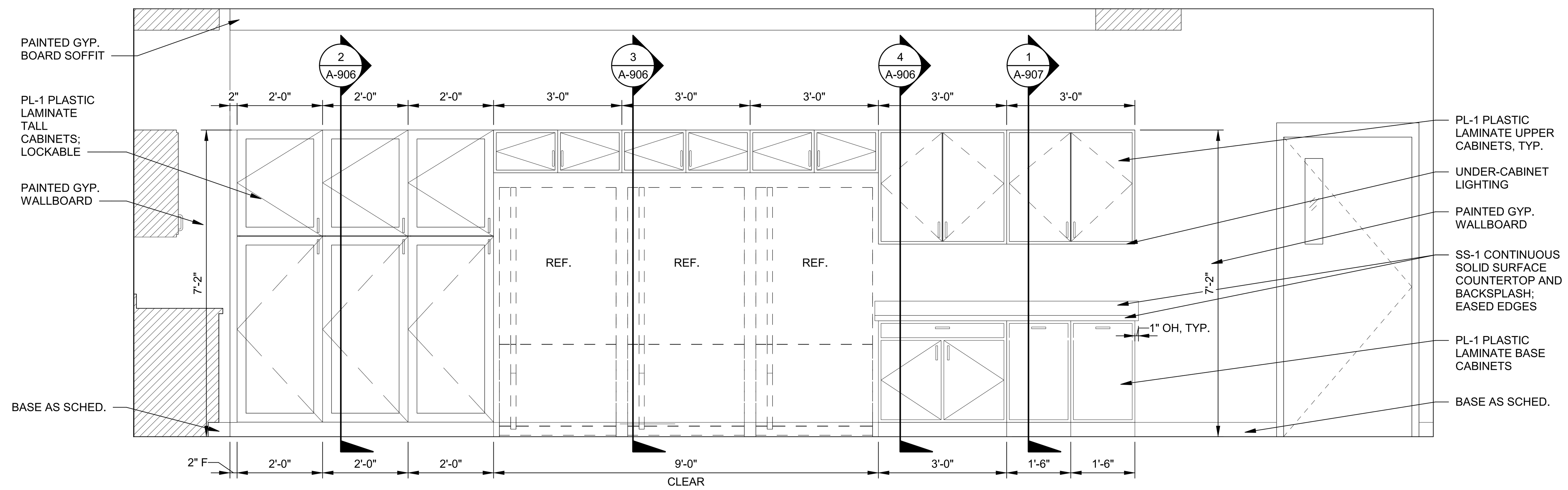
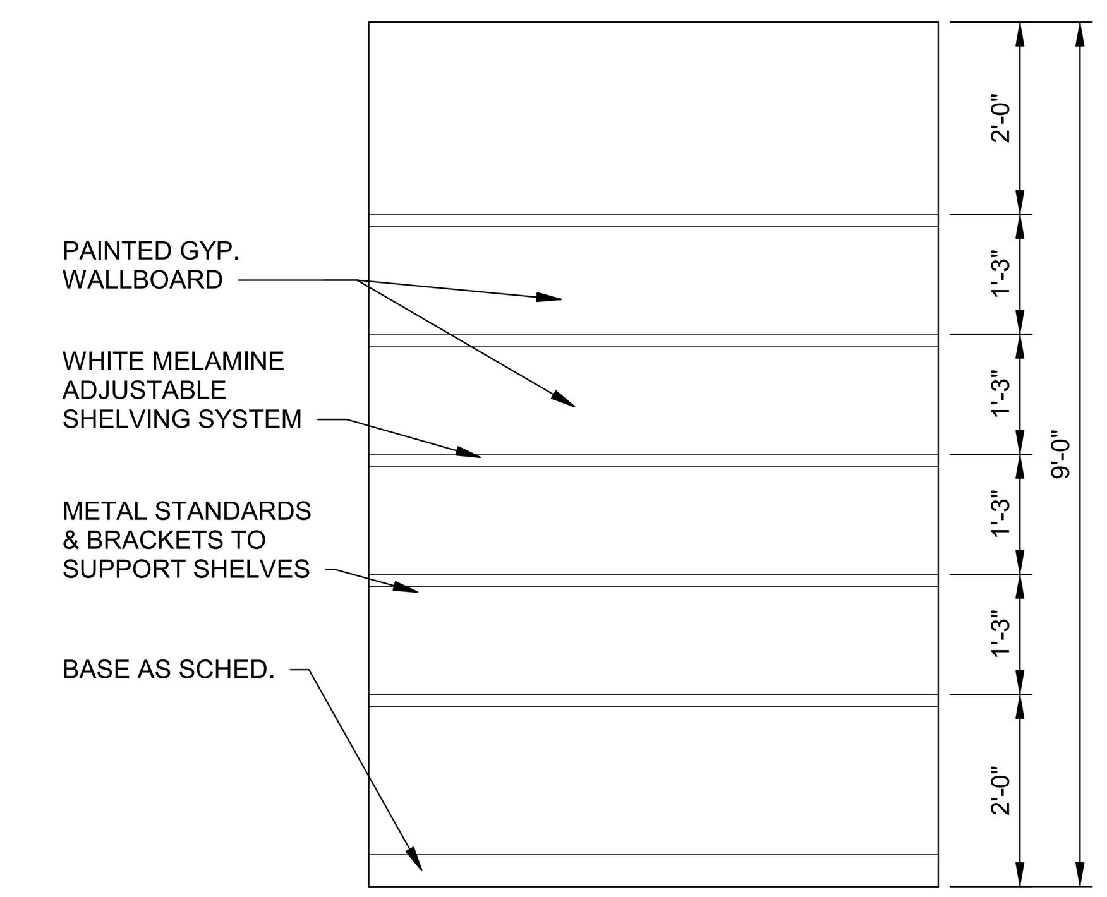
REV: 09/19/2024 JMP



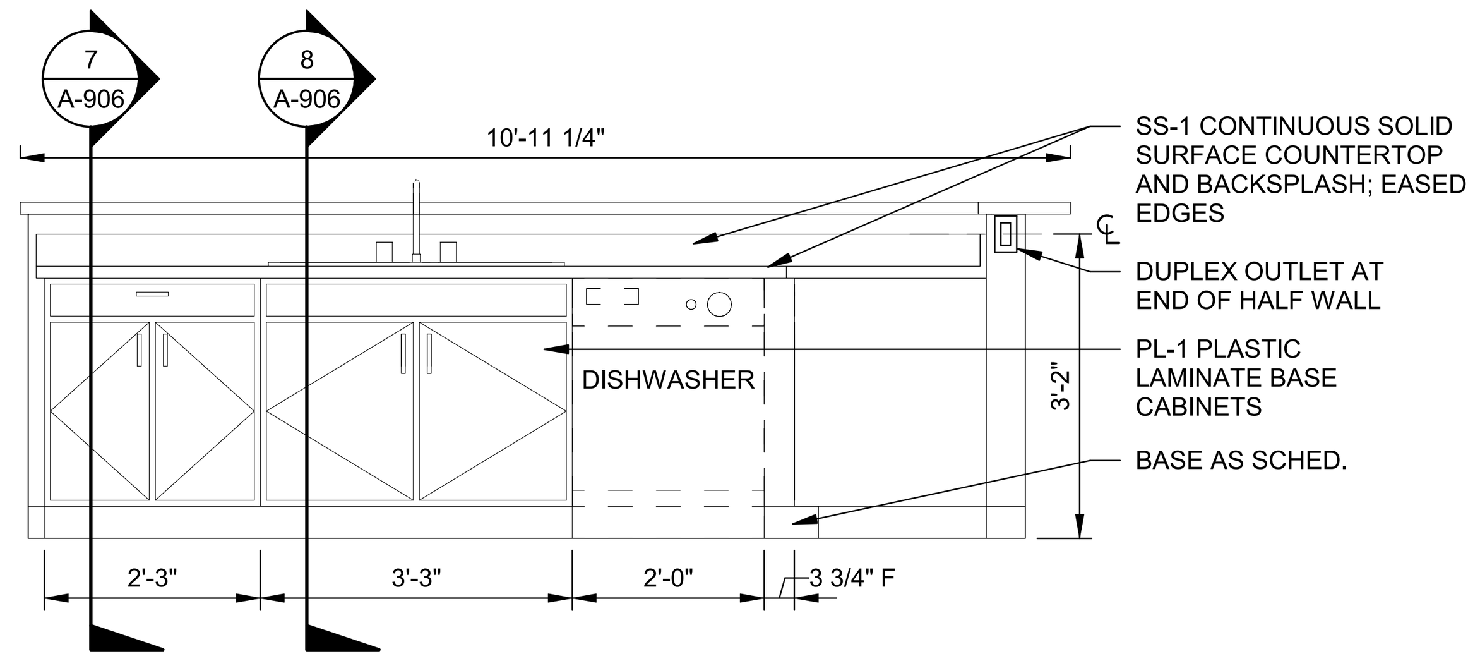
1 A-903 ELEVATION - KITCHEN/DAYROOM
SCALE: 1/2" = 1'-0"



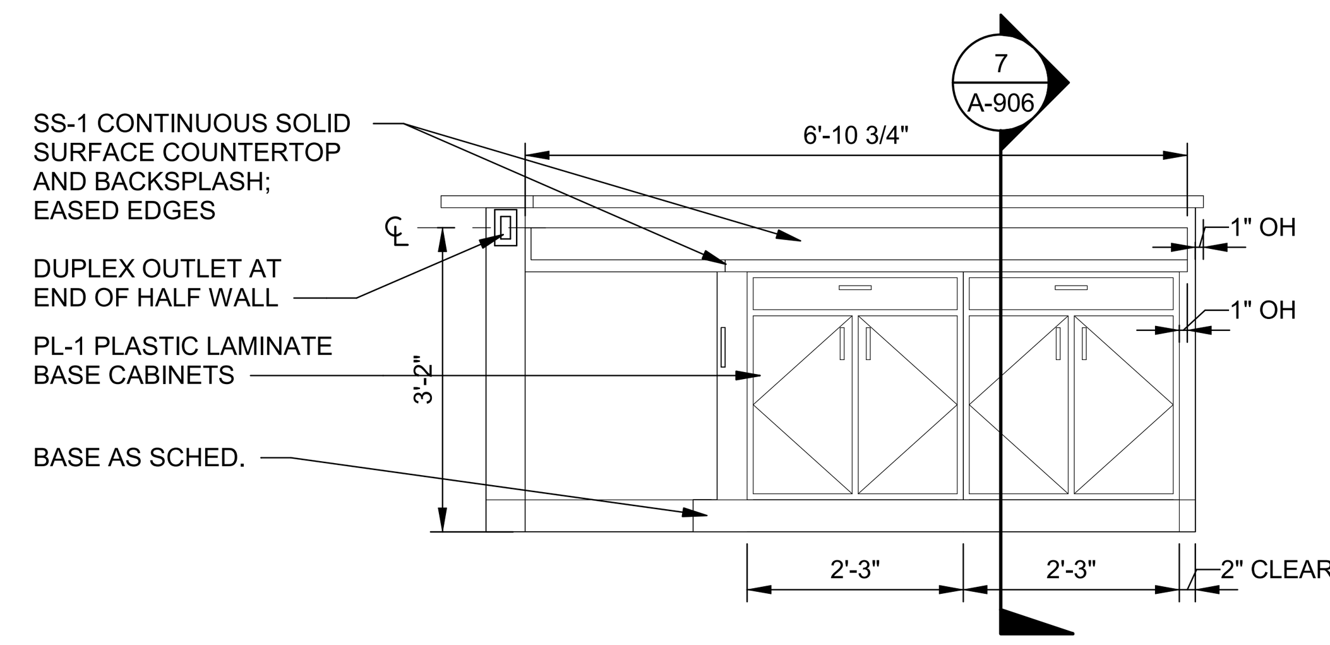
2 A-903 ELEVATION - KITCHEN
SCALE: 1/2" = 1'-0"



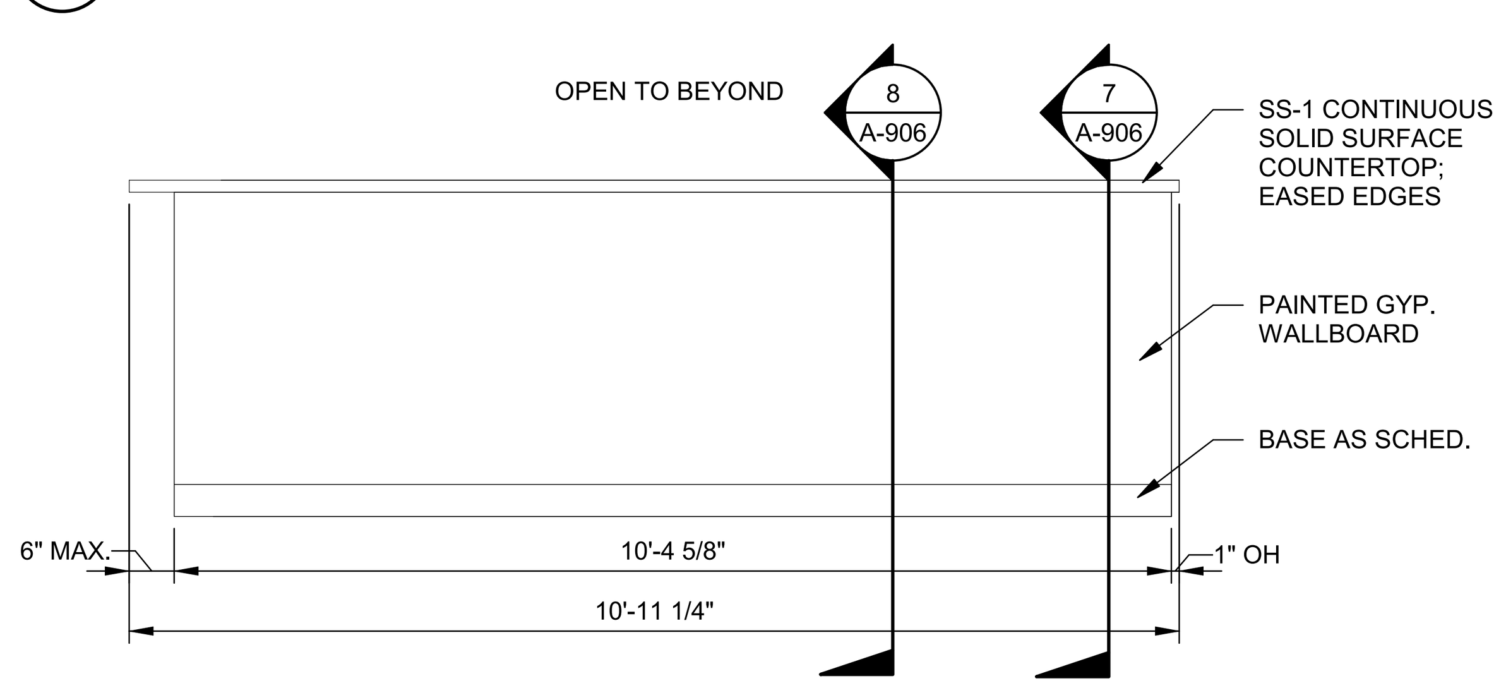
ZA A-903 ELEVATION - LINEN
SCALE: 1/2" = 1'-0"



4 A-903 ELEVATION - KIT. ISLAND
SCALE: 1/2" = 1'-0"



5 A-903 ELEVATION - KIT. ISLAND
SCALE: 1/2" = 1'-0"



6 A-903 ELEVATION - KIT. ISLAND
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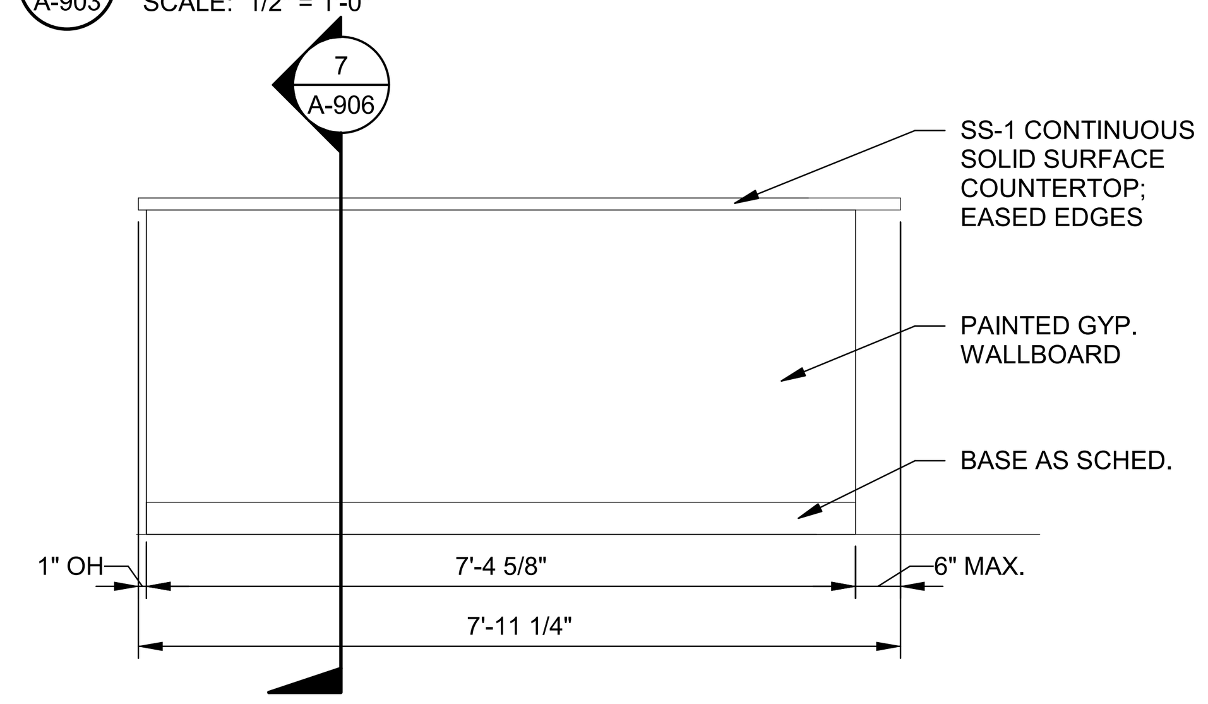
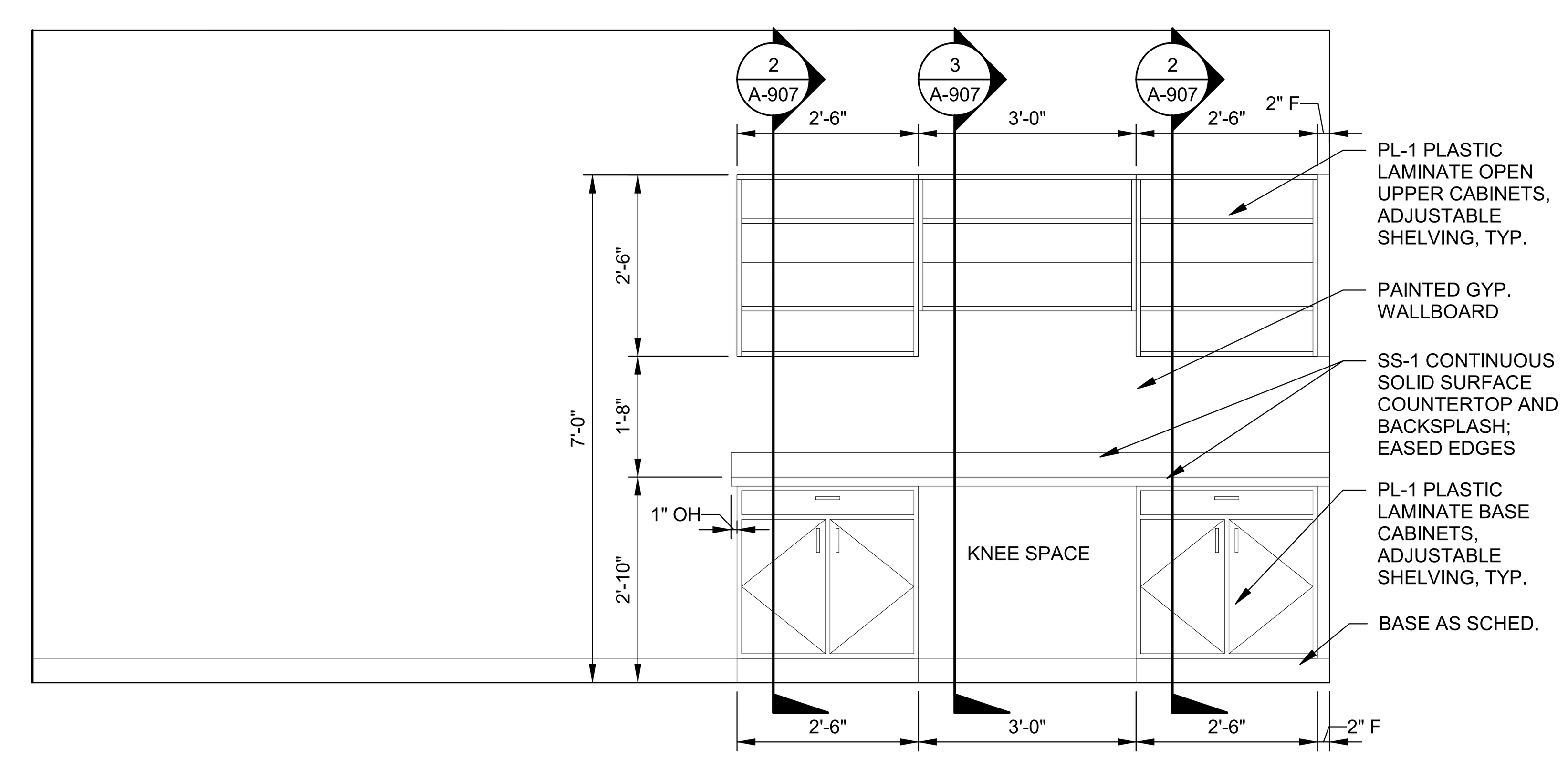


7 A-903 ELEVATION - KIT. ISLAND
SCALE: 1/2" = 1'-0"



8 A-903 ELEVATION - TOOLS
SCALE: 1/2" = 1'-0"

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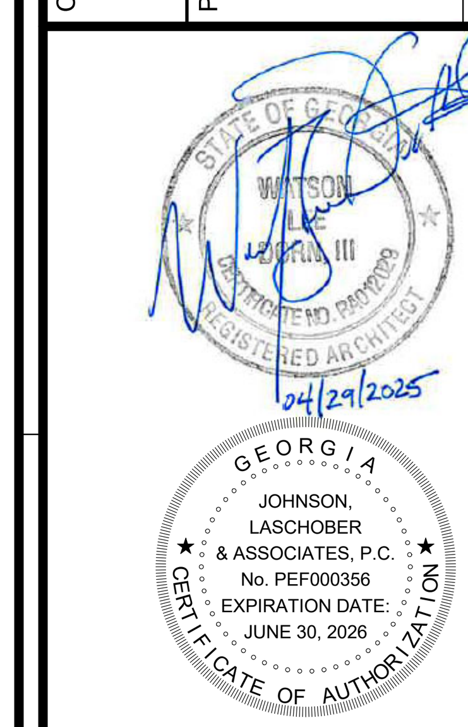
PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909



REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JPT
CHECKED BY:	WLD
DATE:	04/03/2024
SHEET TITLE:	INTERIOR ELEVATIONS
SCALE	AS NOTED
DRAWING NO.	A-903
REV.	A

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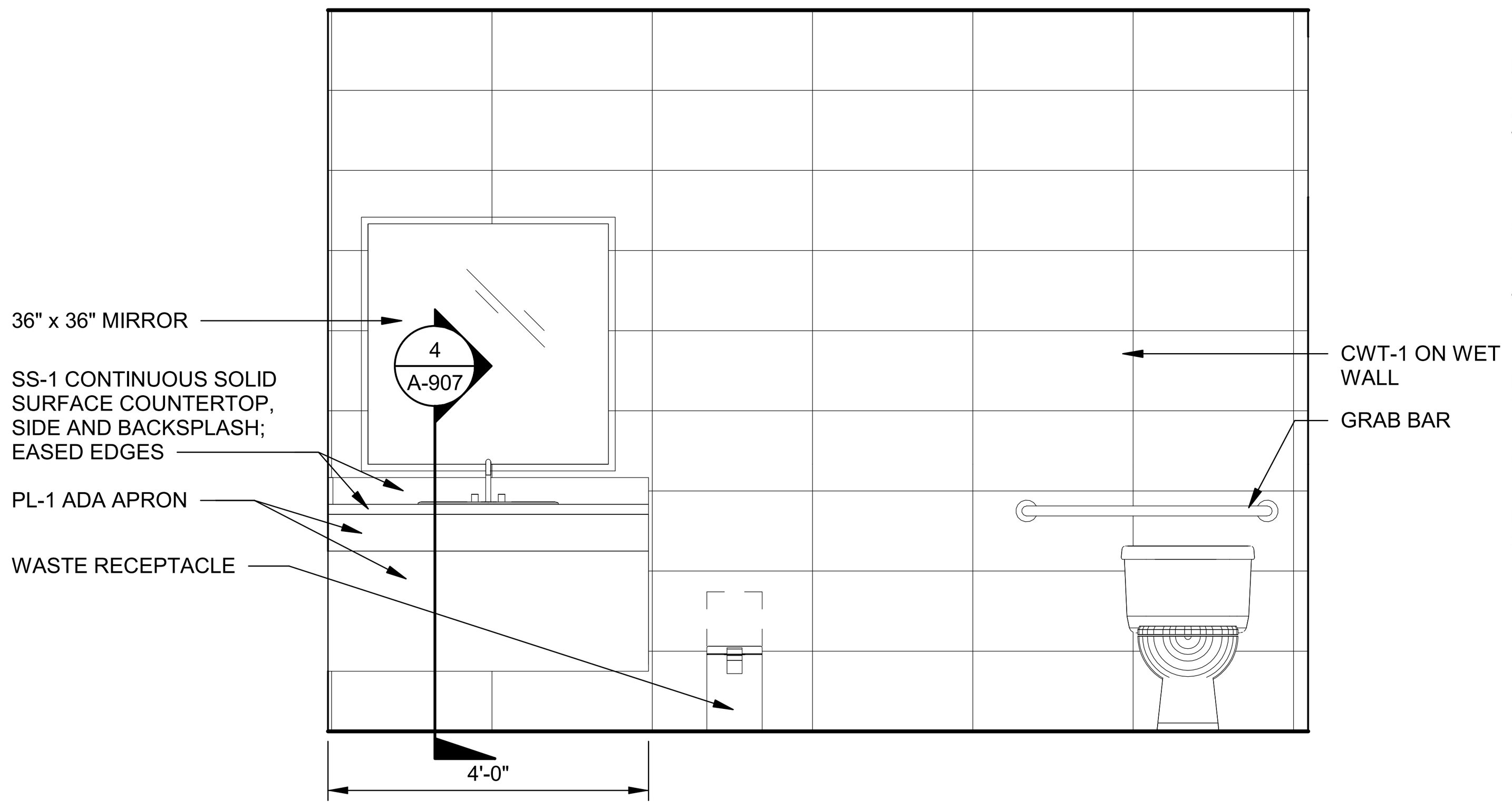

1 A-904 **ELEVATION - TLT/SHOWER**
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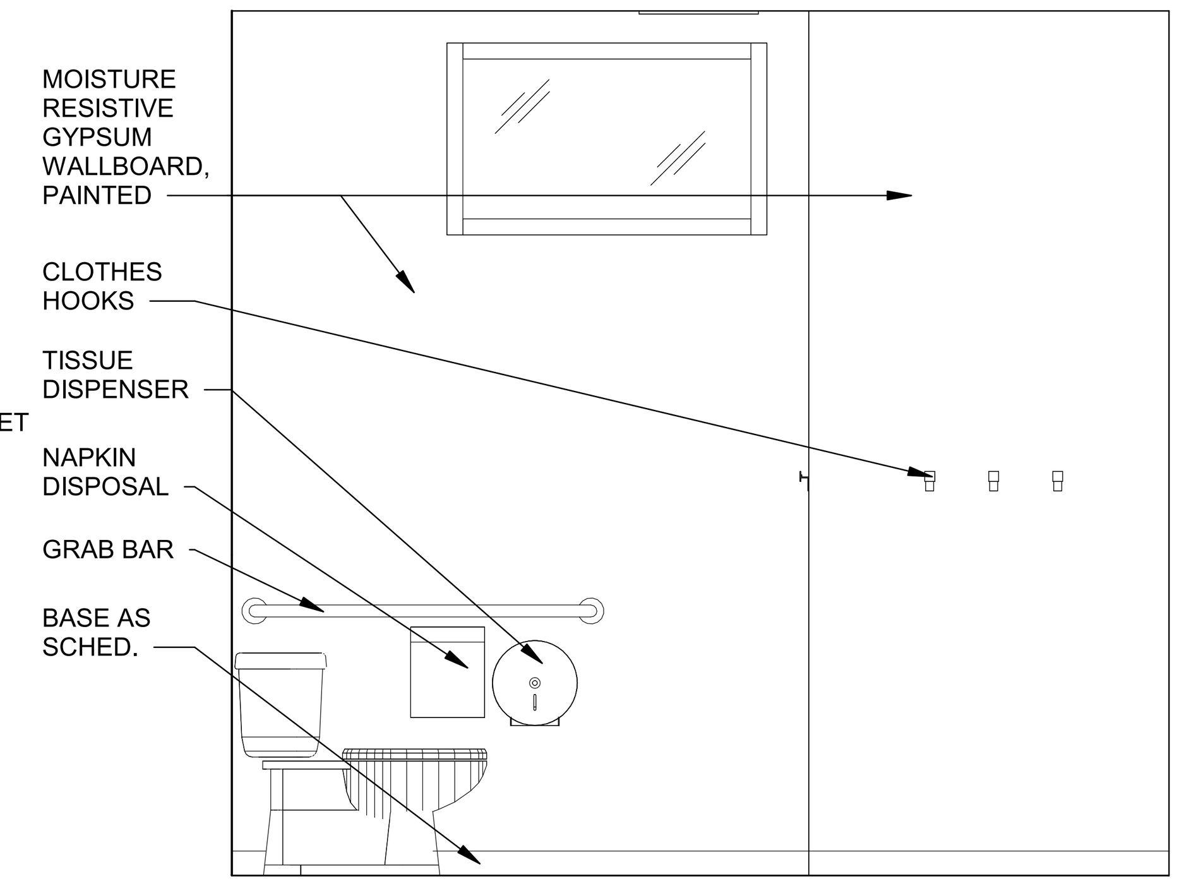

2 A-904 **ELEVATION - TLT/SHOWER**
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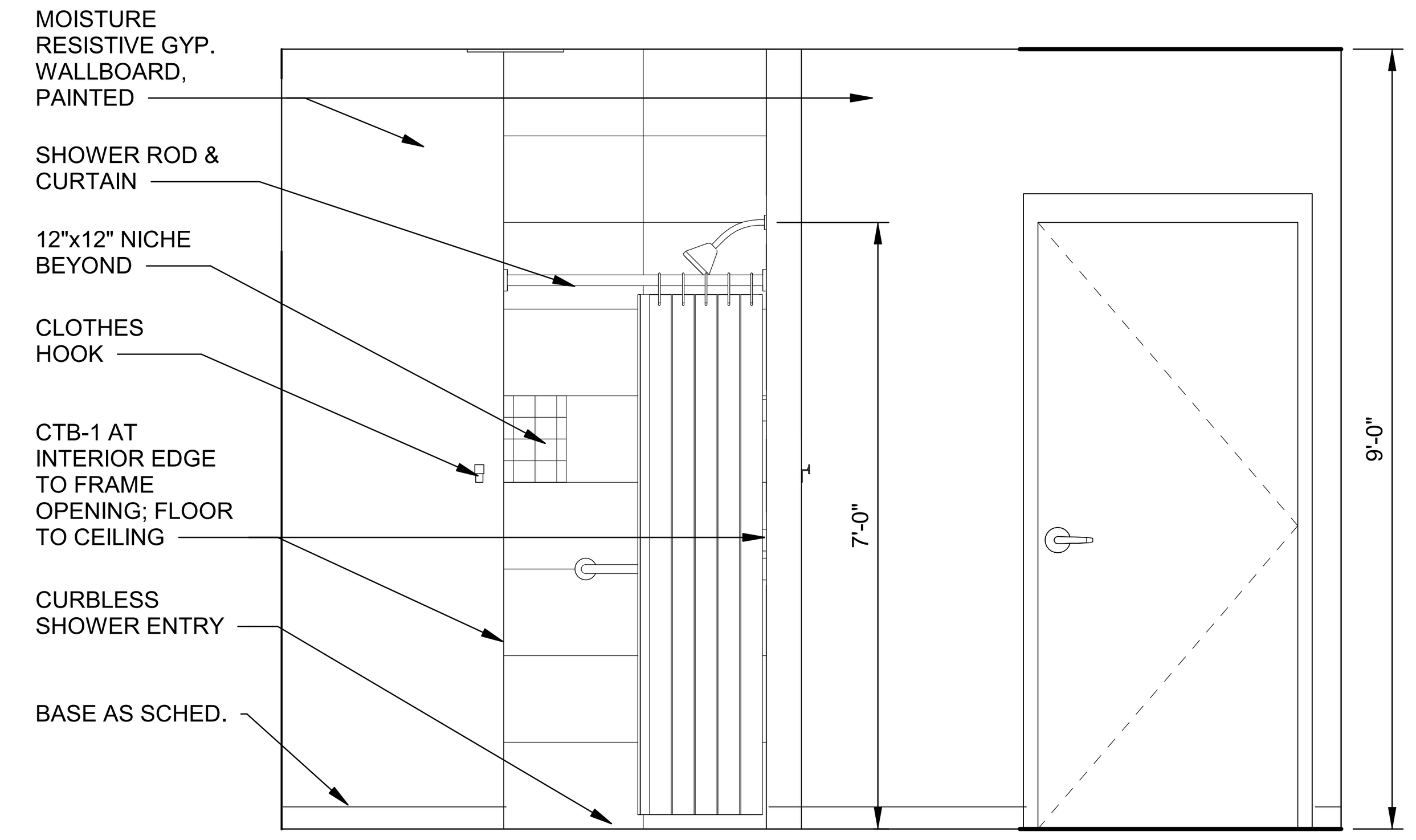

3 A-904 **ELEVATION - TLT/SHOWER**
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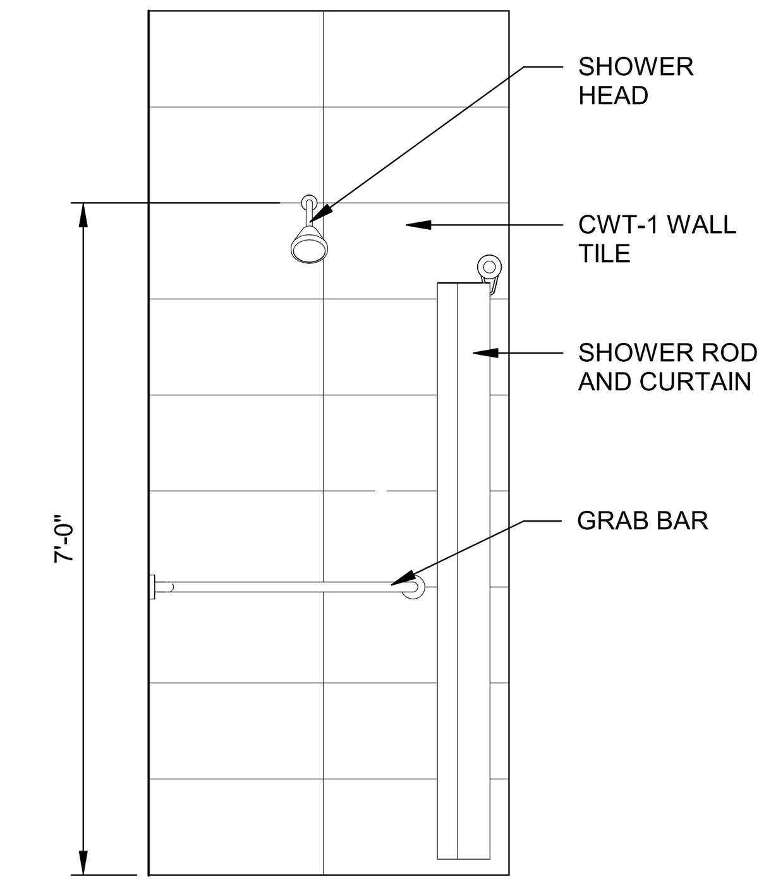
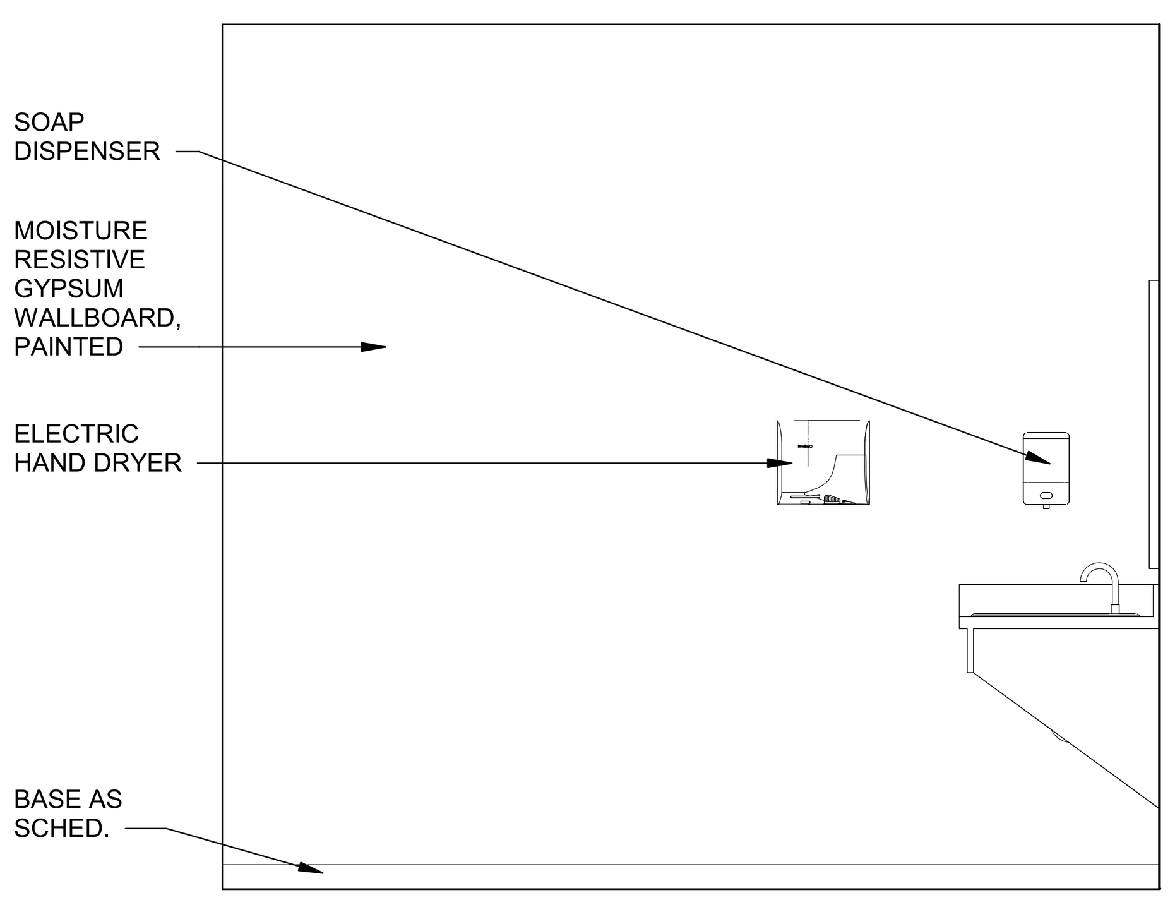
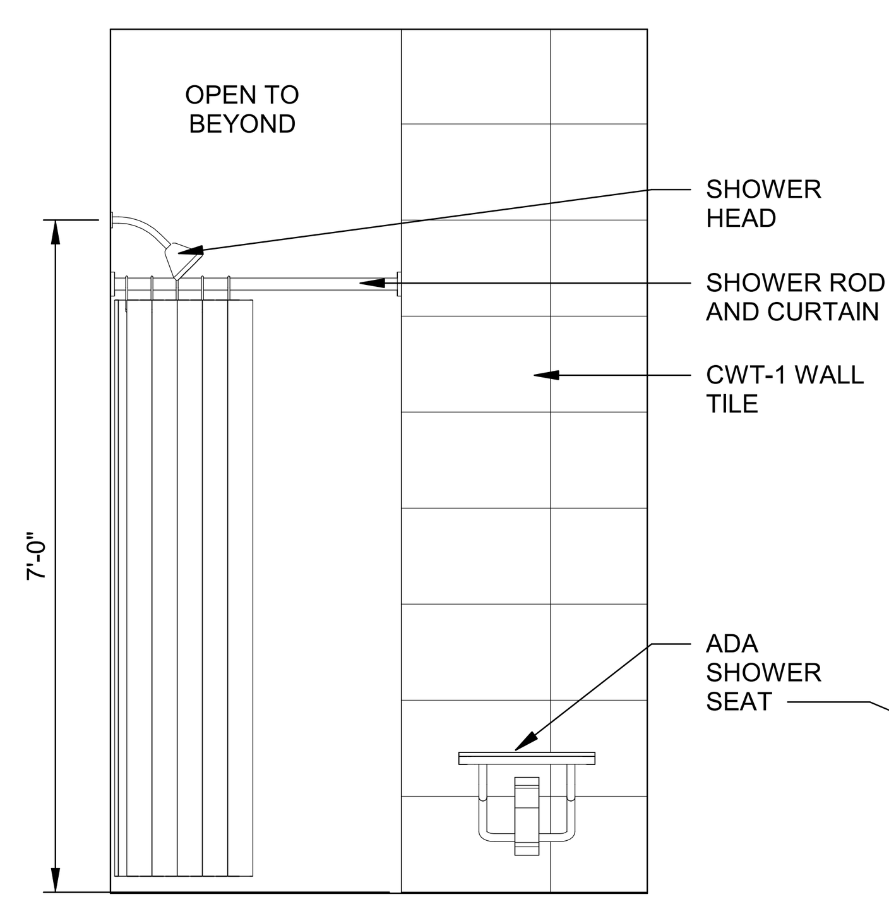


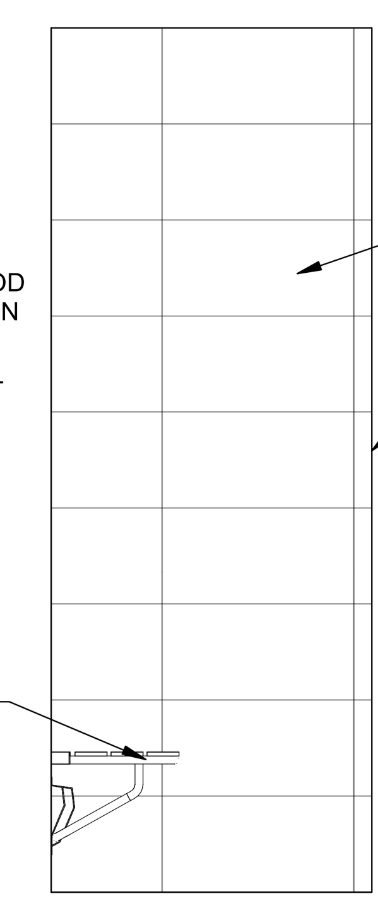
4 A-904 **ELEVATION - SHOWER**
SCALE: 1/2" = 1'-0"



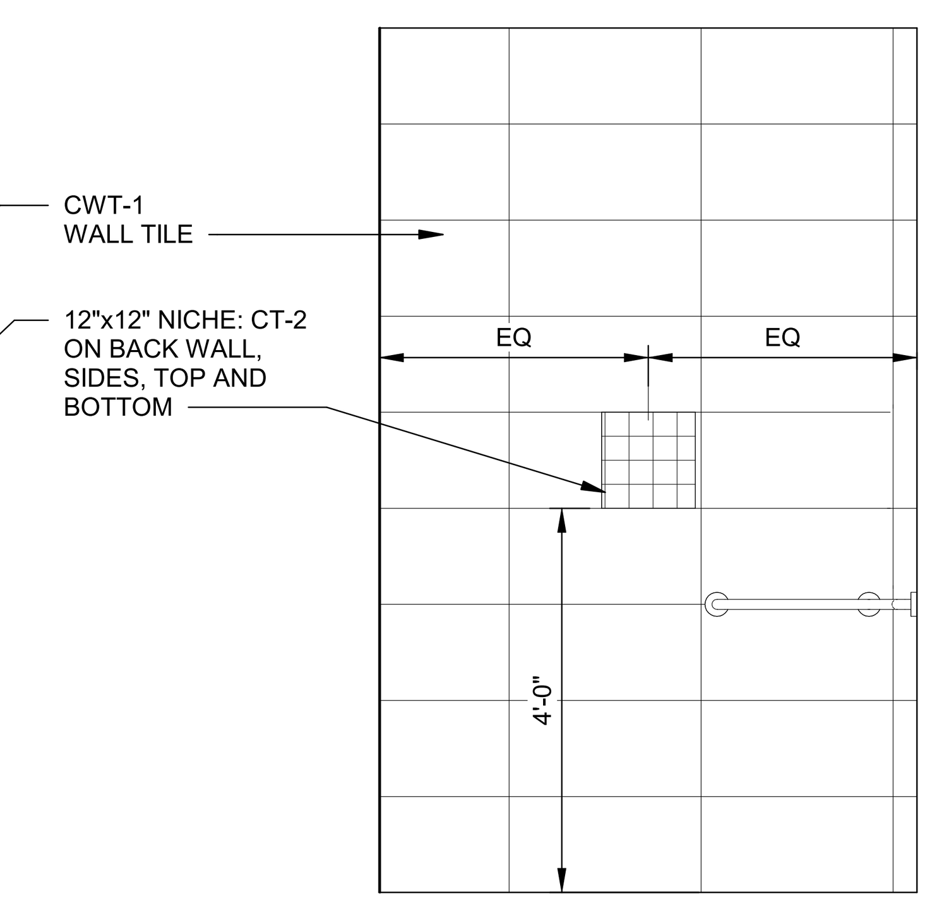
5 A-904 **ELEVATION - TLT/SHOWER**
SCALE: 1/2" = 1'-0"



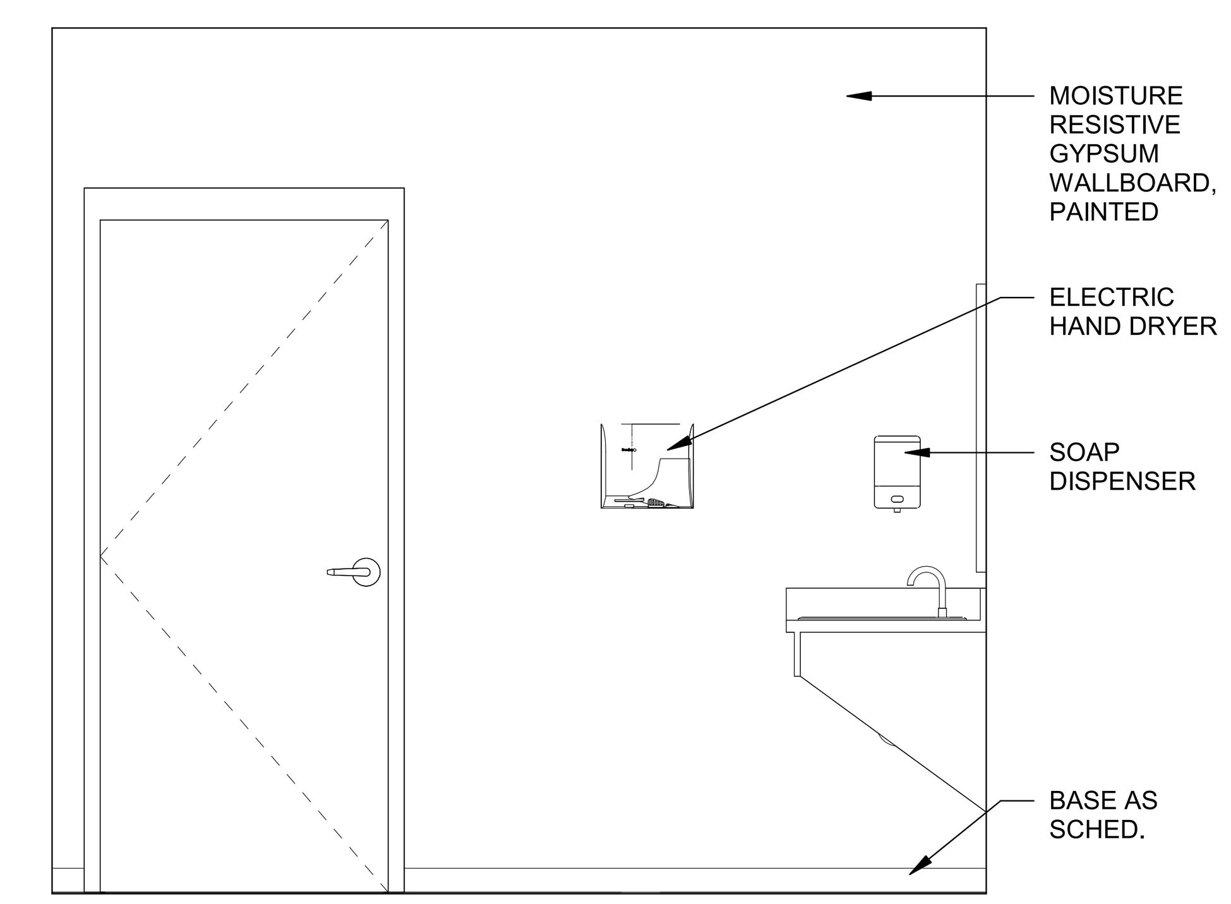
6 A-904 **ELEVATION - SHOWER**
SCALE: 1/2" = 1'-0"



7 A-904 **ELEVATION - SHOWER**
SCALE: 1/2" = 1'-0"



8 A-904 **ELEVATION - SHOWER**
SCALE: 1/2" = 1'-0"



9 A-904 **ELEVATION - TLT/SHOWER**
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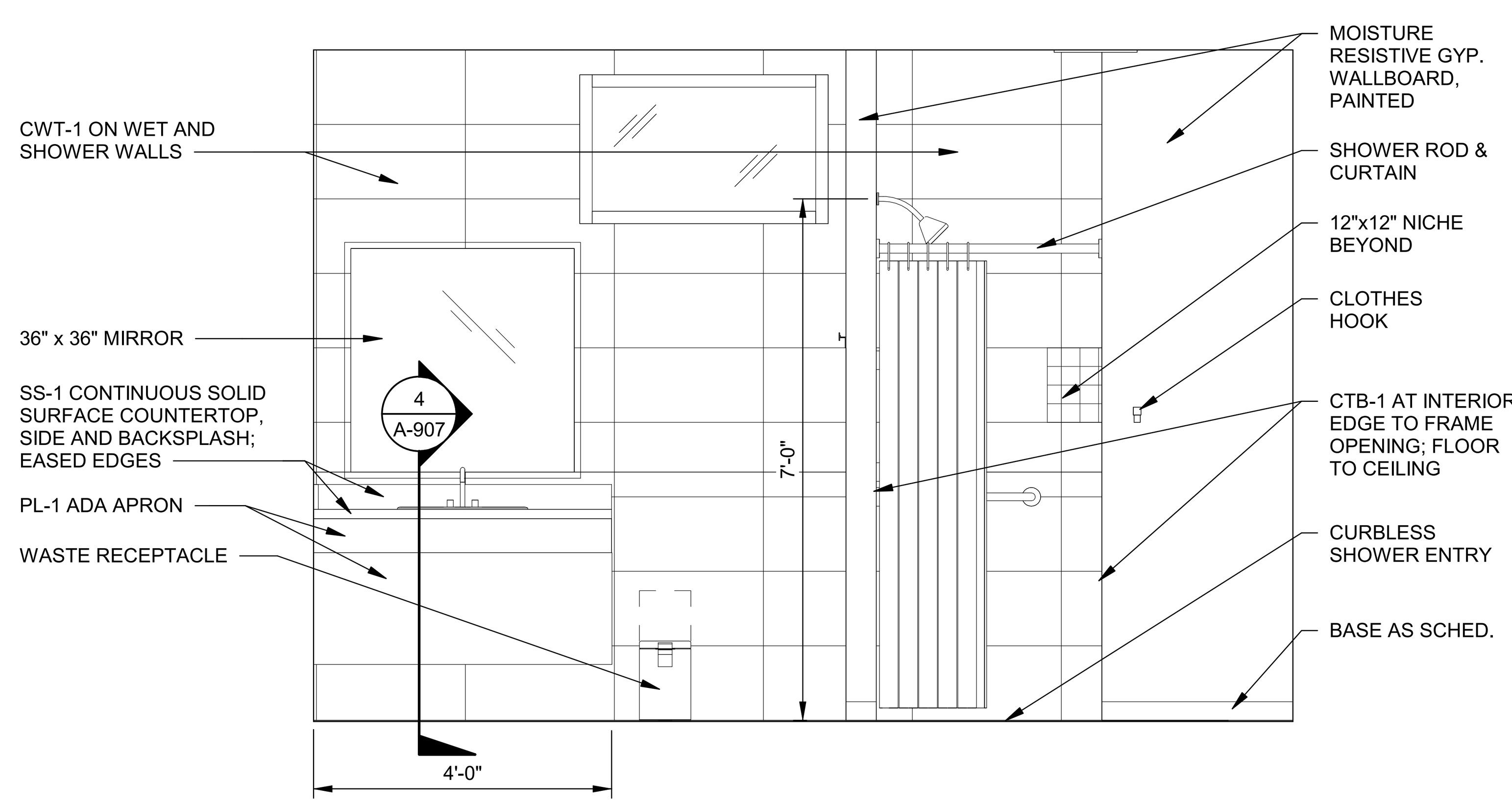

10 A-904 **ELEVATION - TLT/SHOWER**
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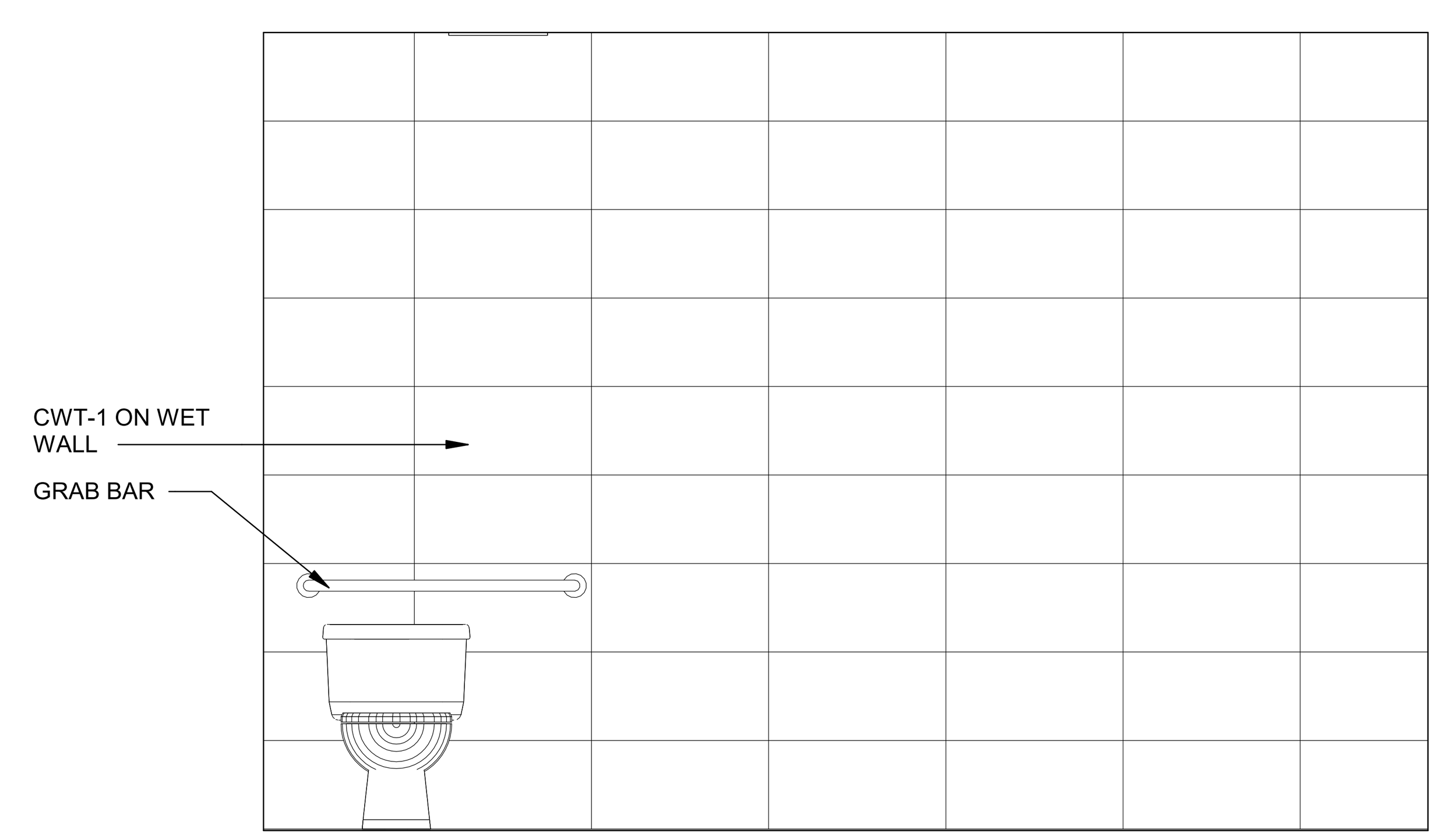

11 A-904 **ELEVATION - TLT/SHOWER**
SCALE: 1/2" = 1'-0"

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PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. PEF000356
EXPIRATION DATE: JUNE 30, 2026
CERTIFICATE OF AUTHORIZATION

04/29/2025

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JPT
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:
INTERIOR ELEVATIONS

SCALE: AS NOTED
DRAWING NO. **A-904**
REV. **A**

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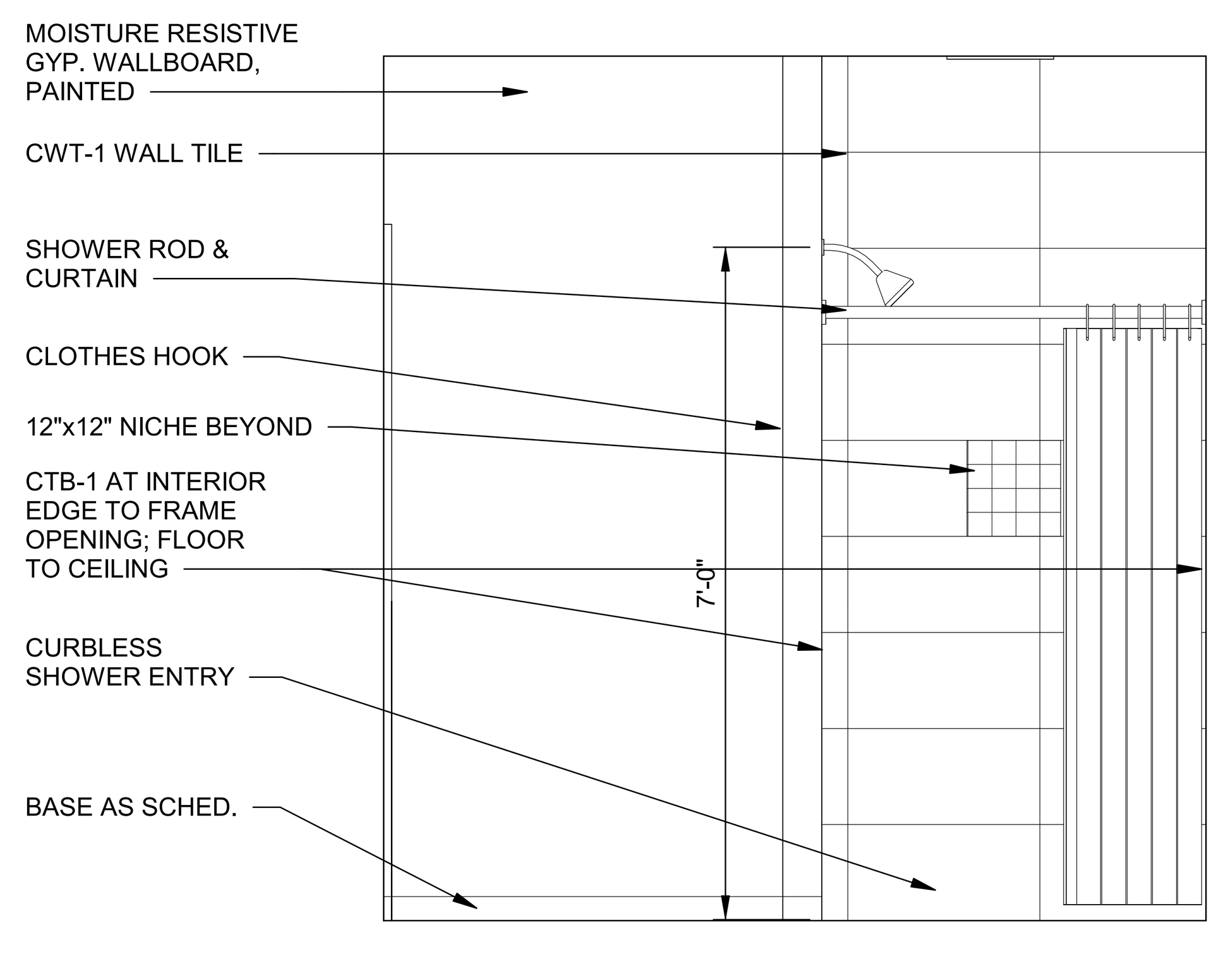

1 A-905 **ELEVATION - TOILET**
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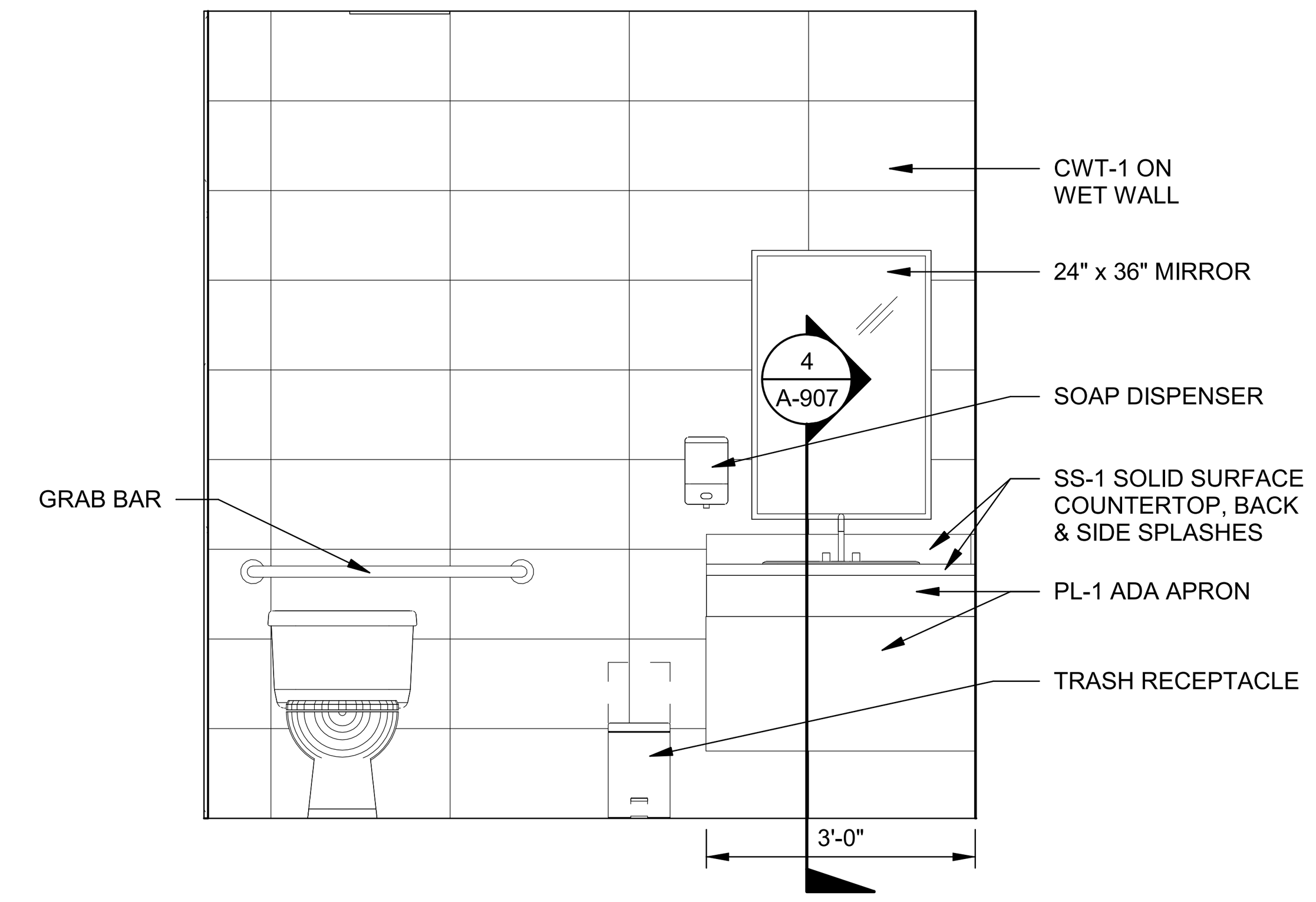

2 A-905 **ELEVATION - TOILET**
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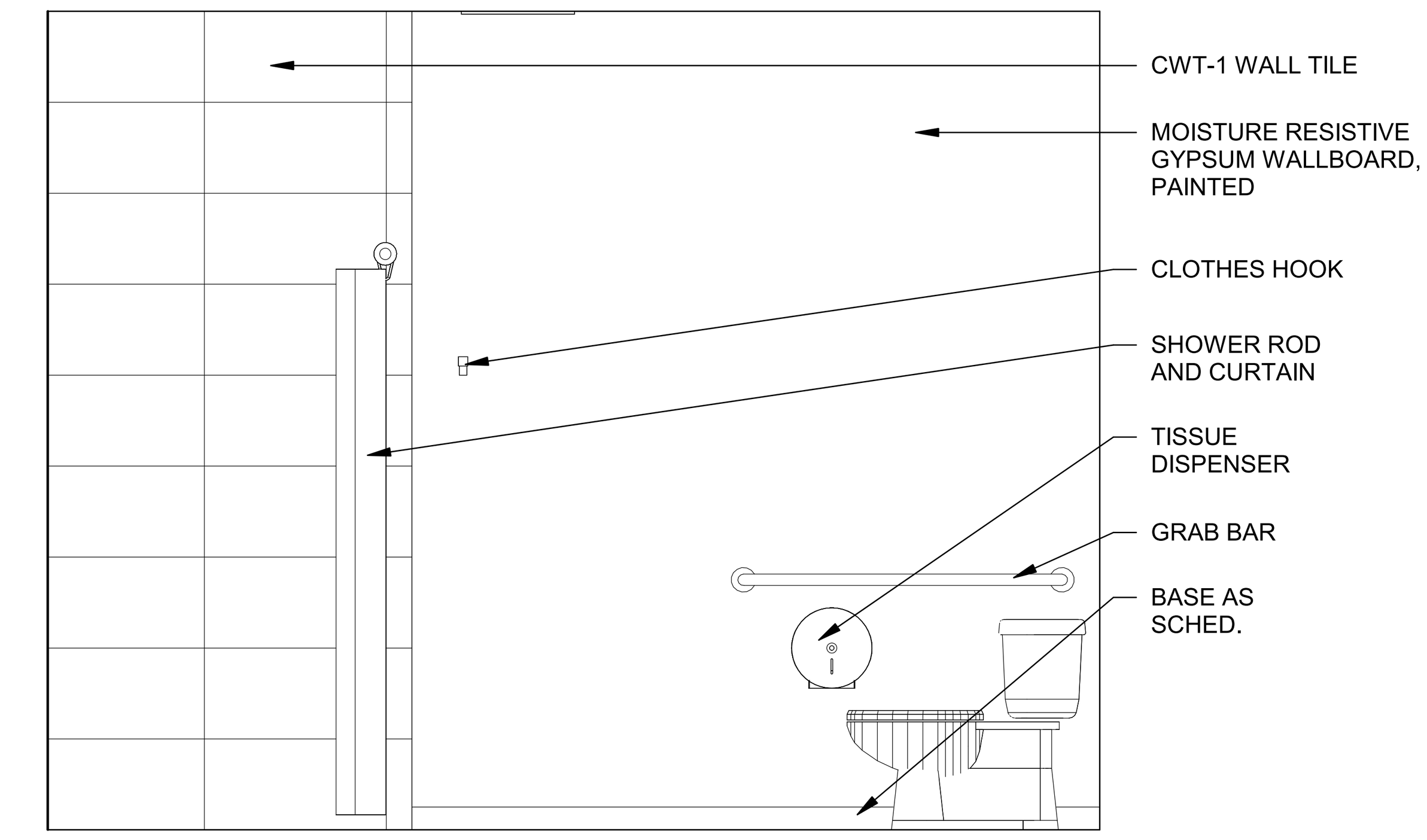

3 A-905 **ELEVATION - TOILET**
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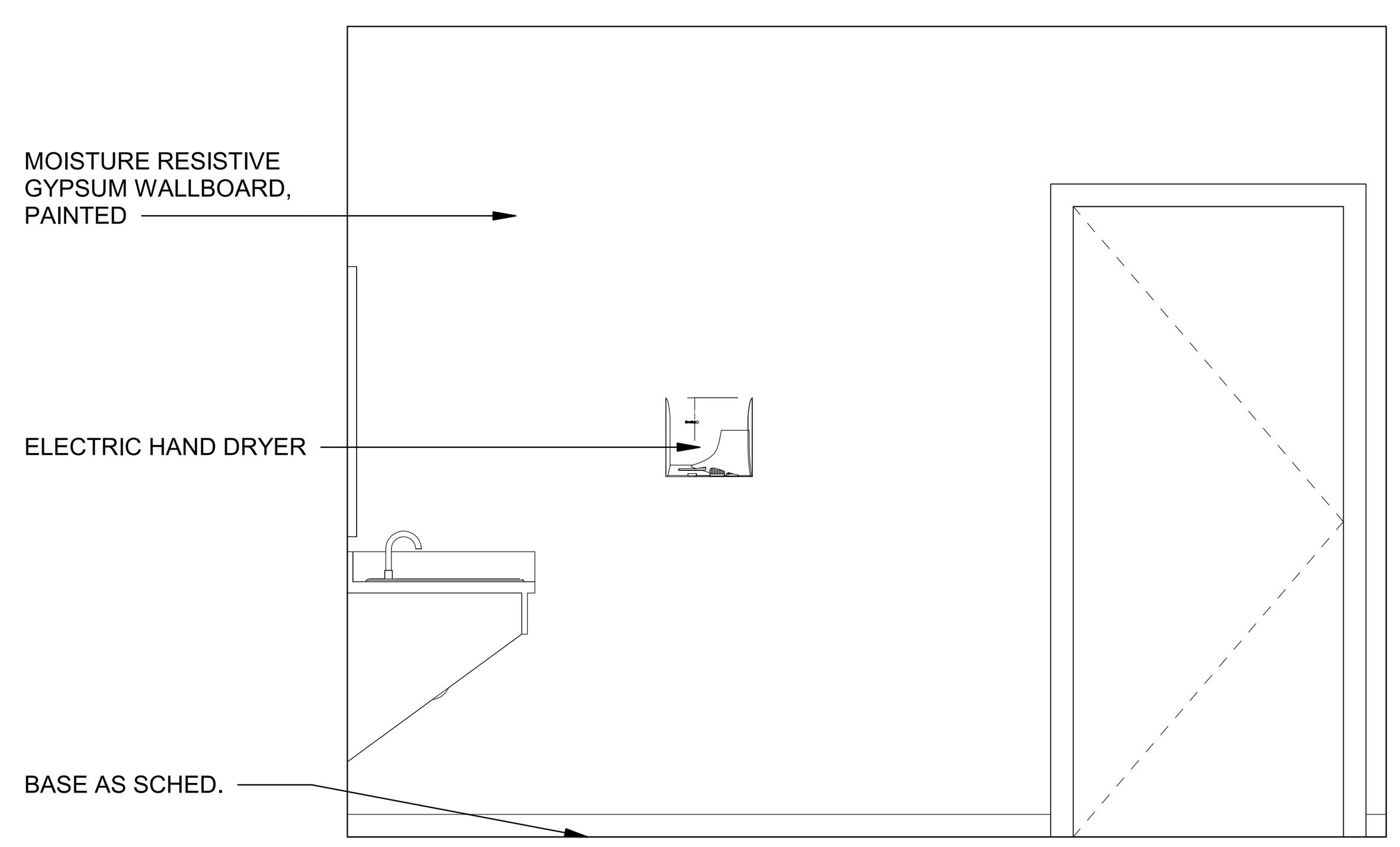

4 A-905 **ELEVATION - TOILET**
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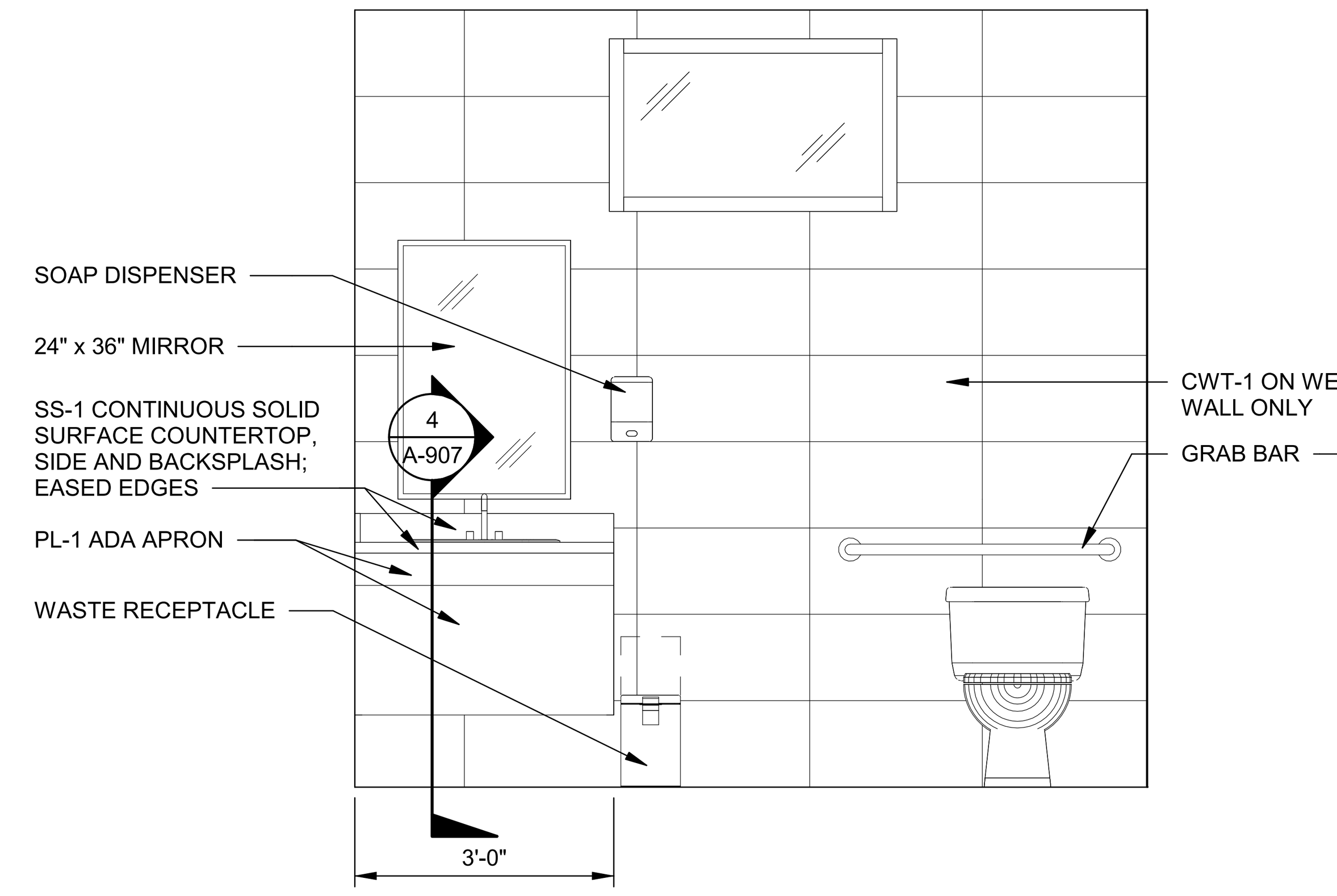
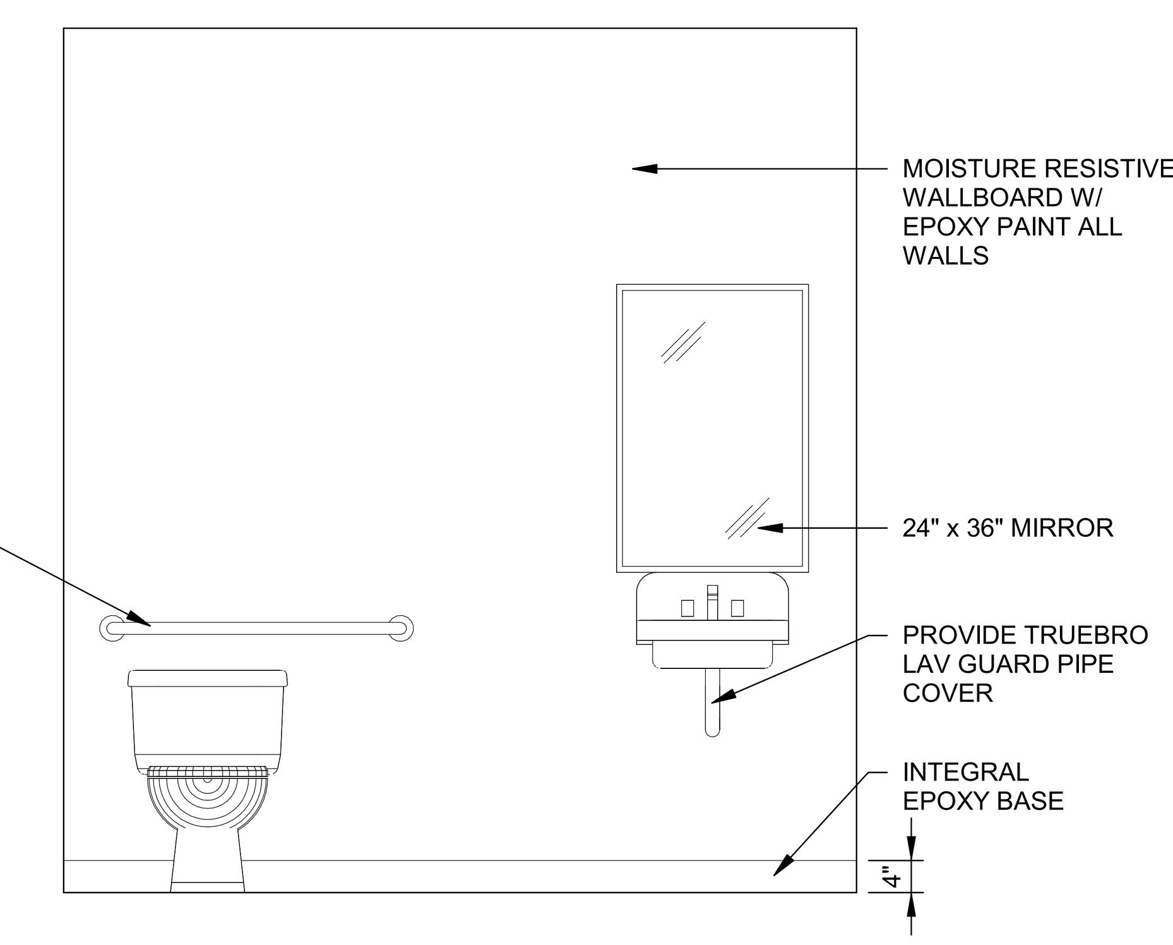
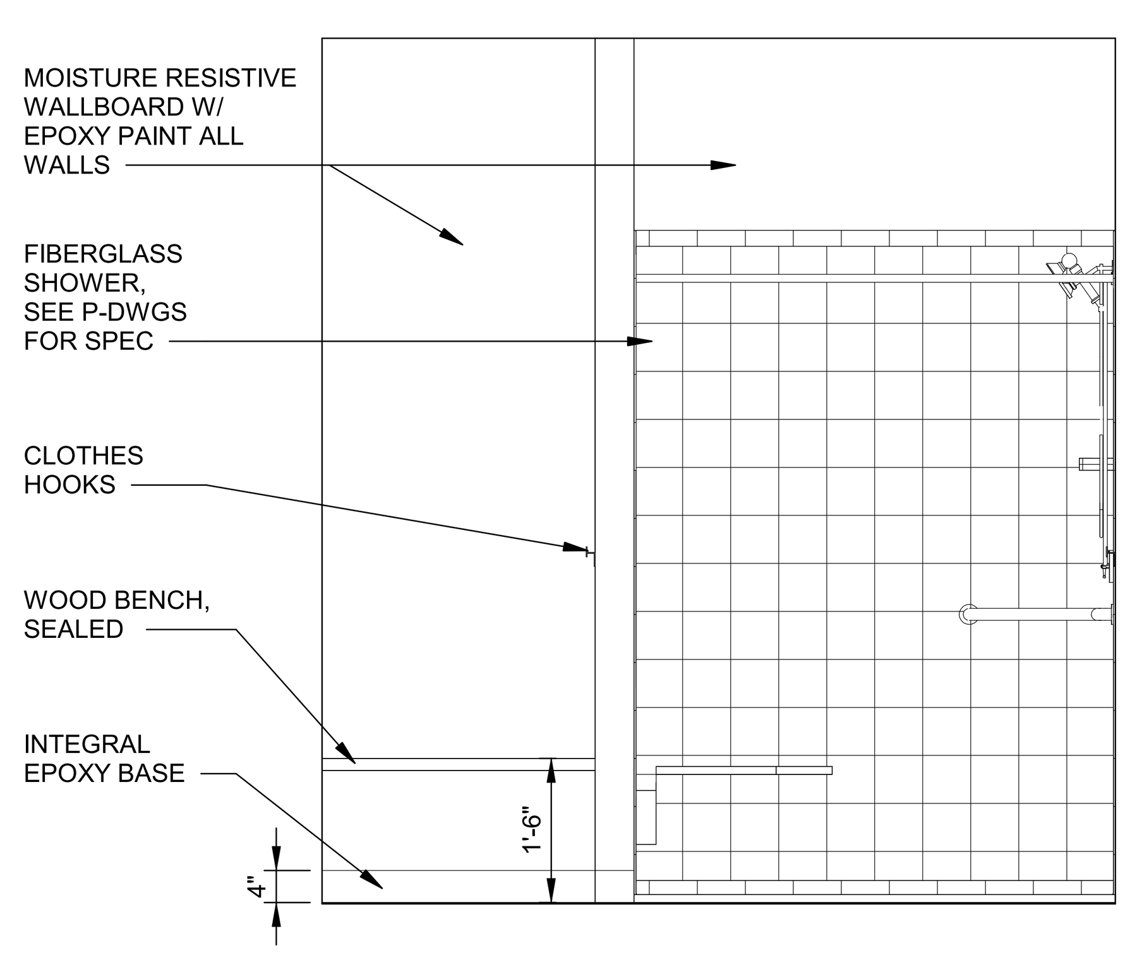


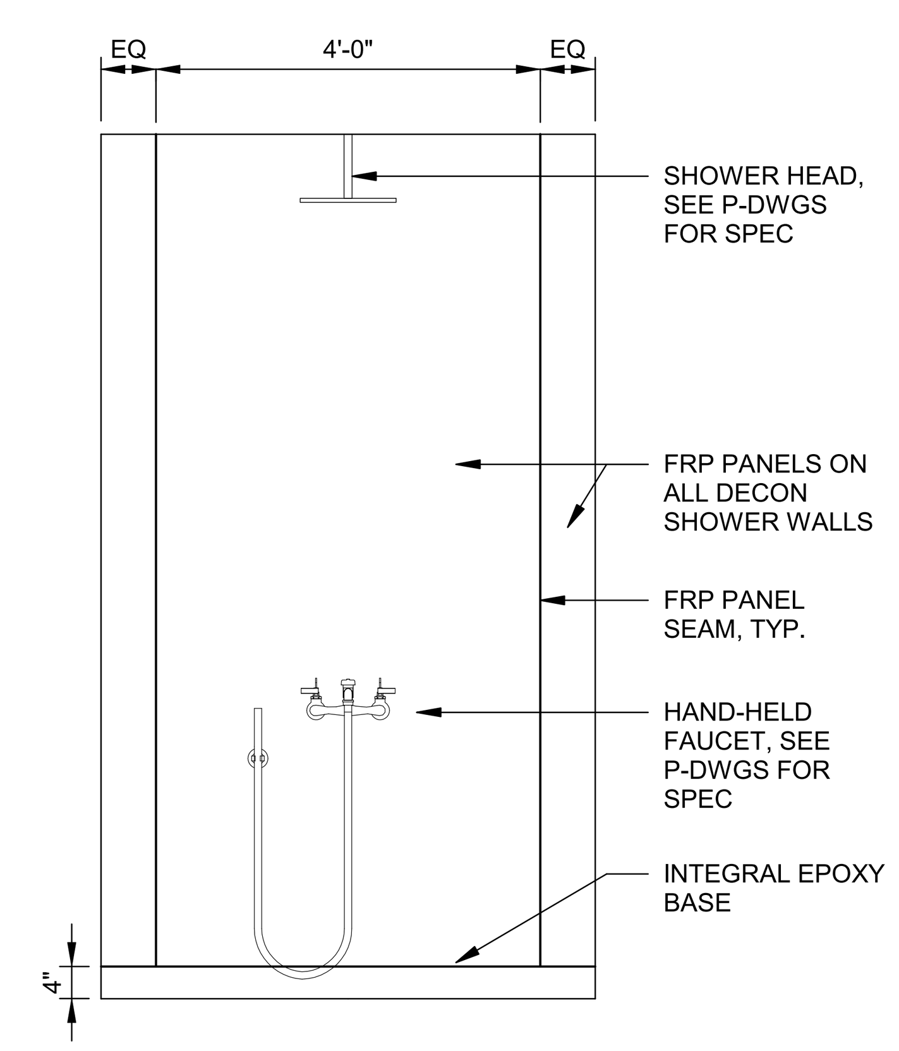
5 A-905 **ELEVATION - LOBBY TOILET**
SCALE: 1/2" = 1'-0"



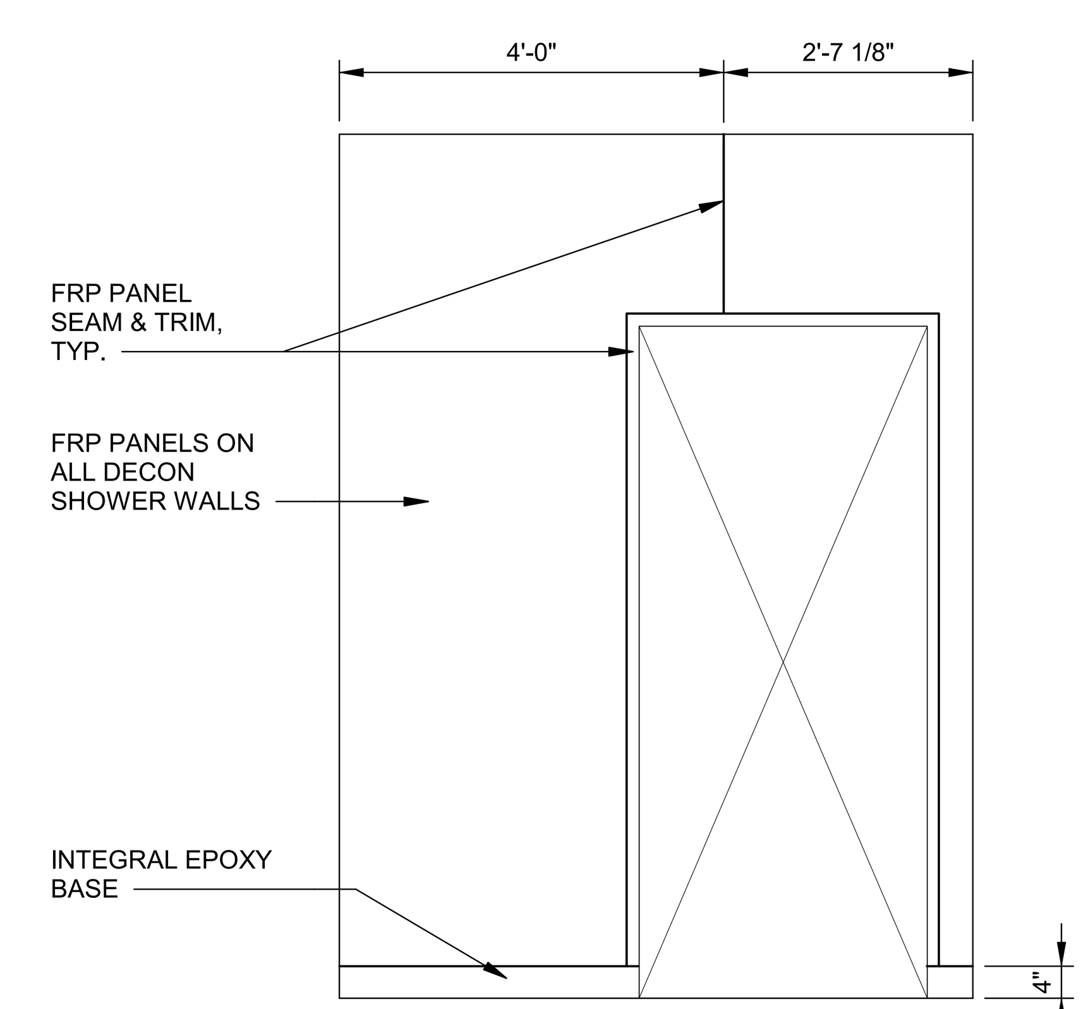
6 A-905 **ELEVATION - DECON TOILET**
SCALE: 1/2" = 1'-0"



7 A-905 **ELEVATION - DECON SHOWER ROOM**
SCALE: 1/2" = 1'-0"



8 A-905 **ELEVATION - DECON SHOWER**
SCALE: 1/2" = 1'-0"



9 A-905 **ELEVATION - DECON SHOWER**
SCALE: 1/2" = 1'-0"

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PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

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CERTIFICATE OF AUTHORIZATION

04/29/2025

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JPT
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:
INTERIOR ELEVATIONS

SCALE: AS NOTED
DRAWING NO.: **A-905**
REV.: A

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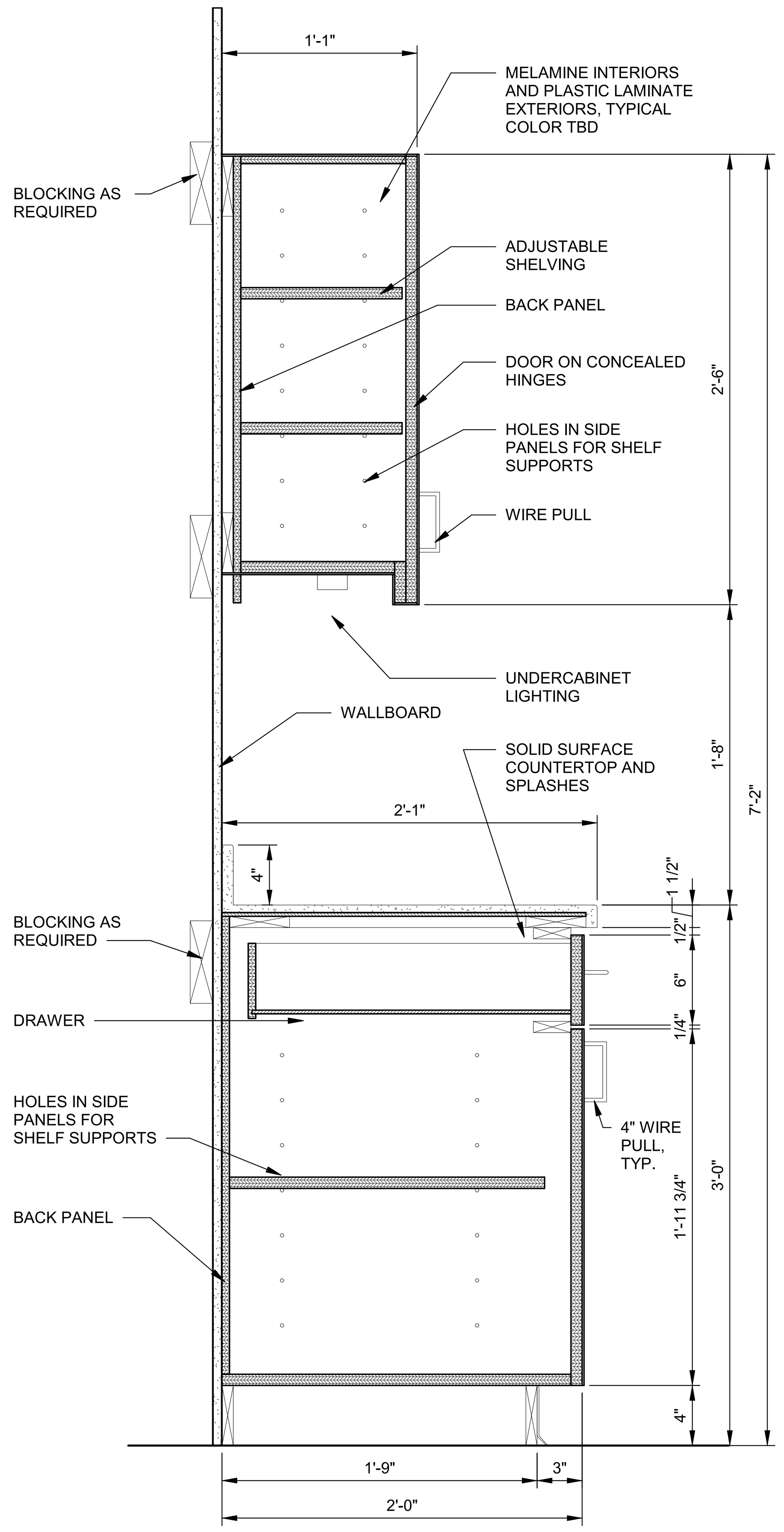

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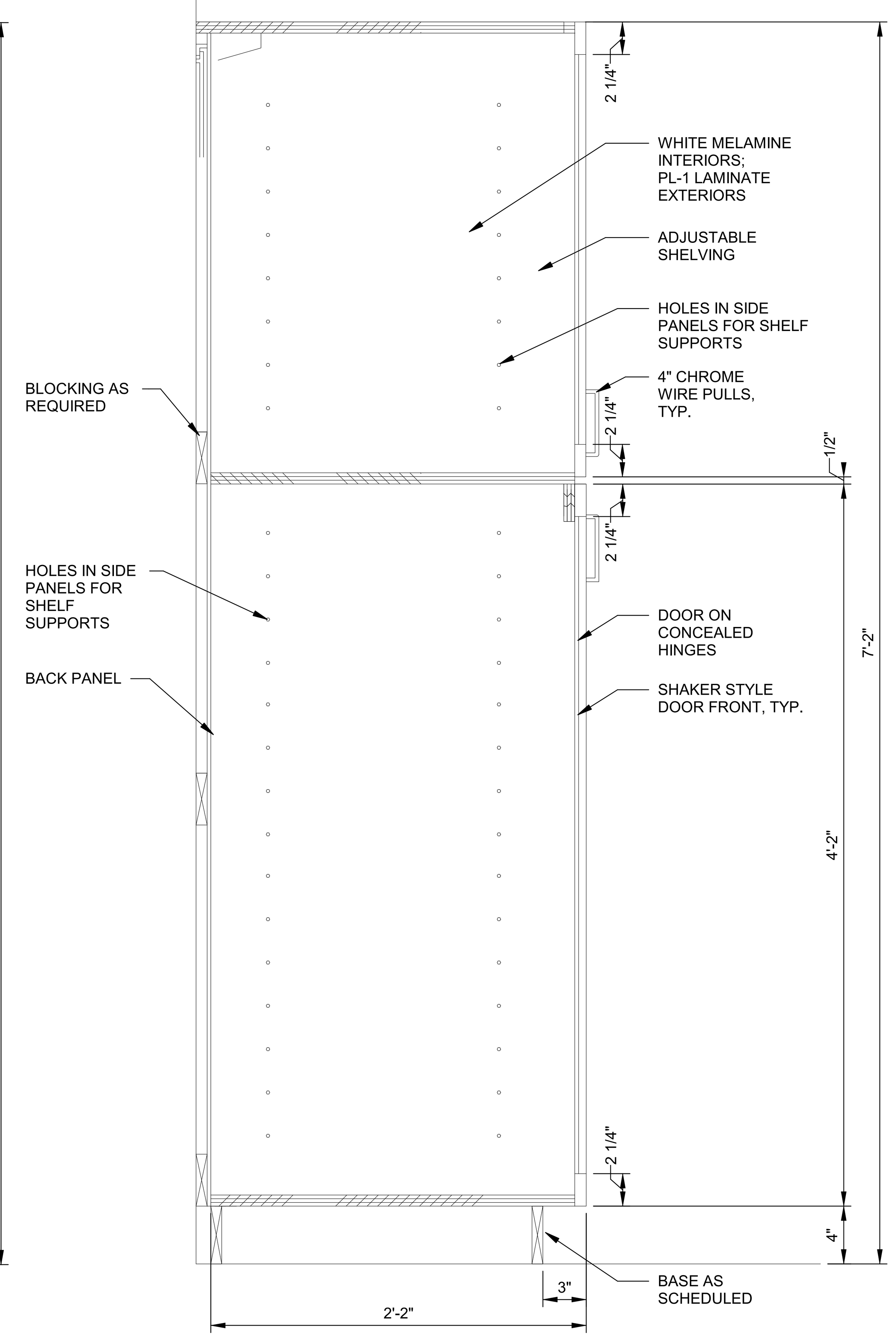

2 A-906 **CASEWORK SECTION**
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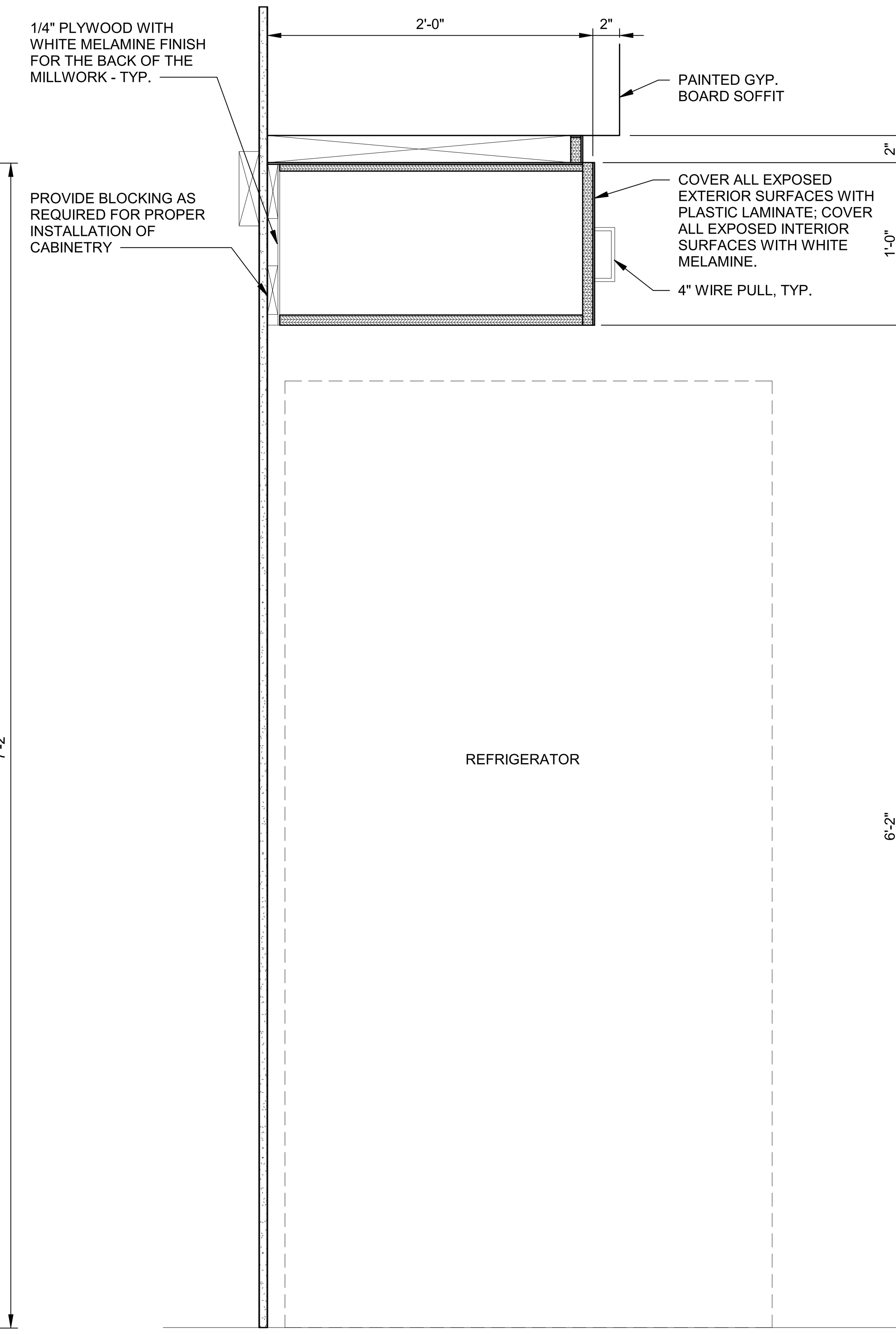

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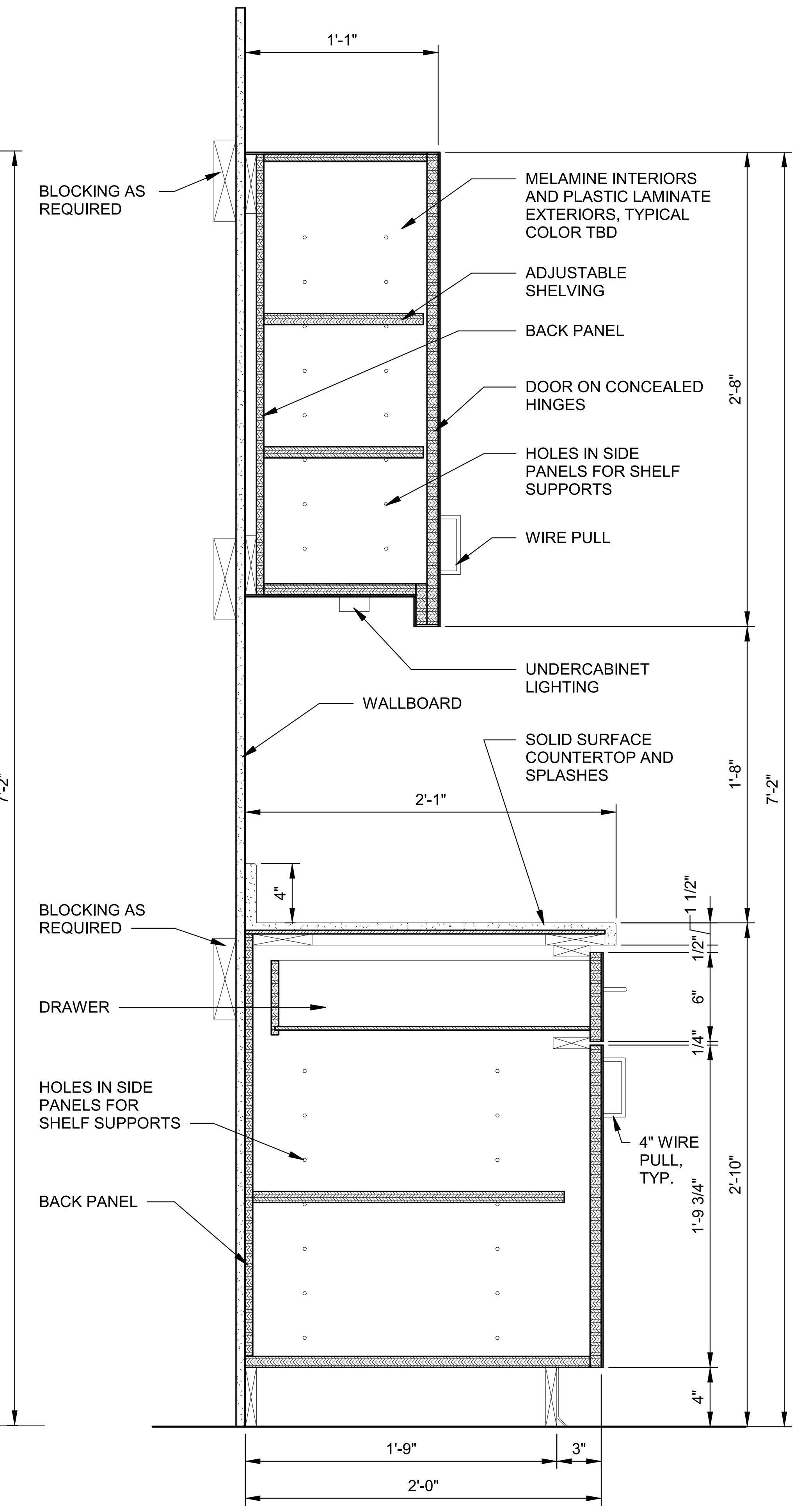

4 A-906 **CASEWORK SECTION**
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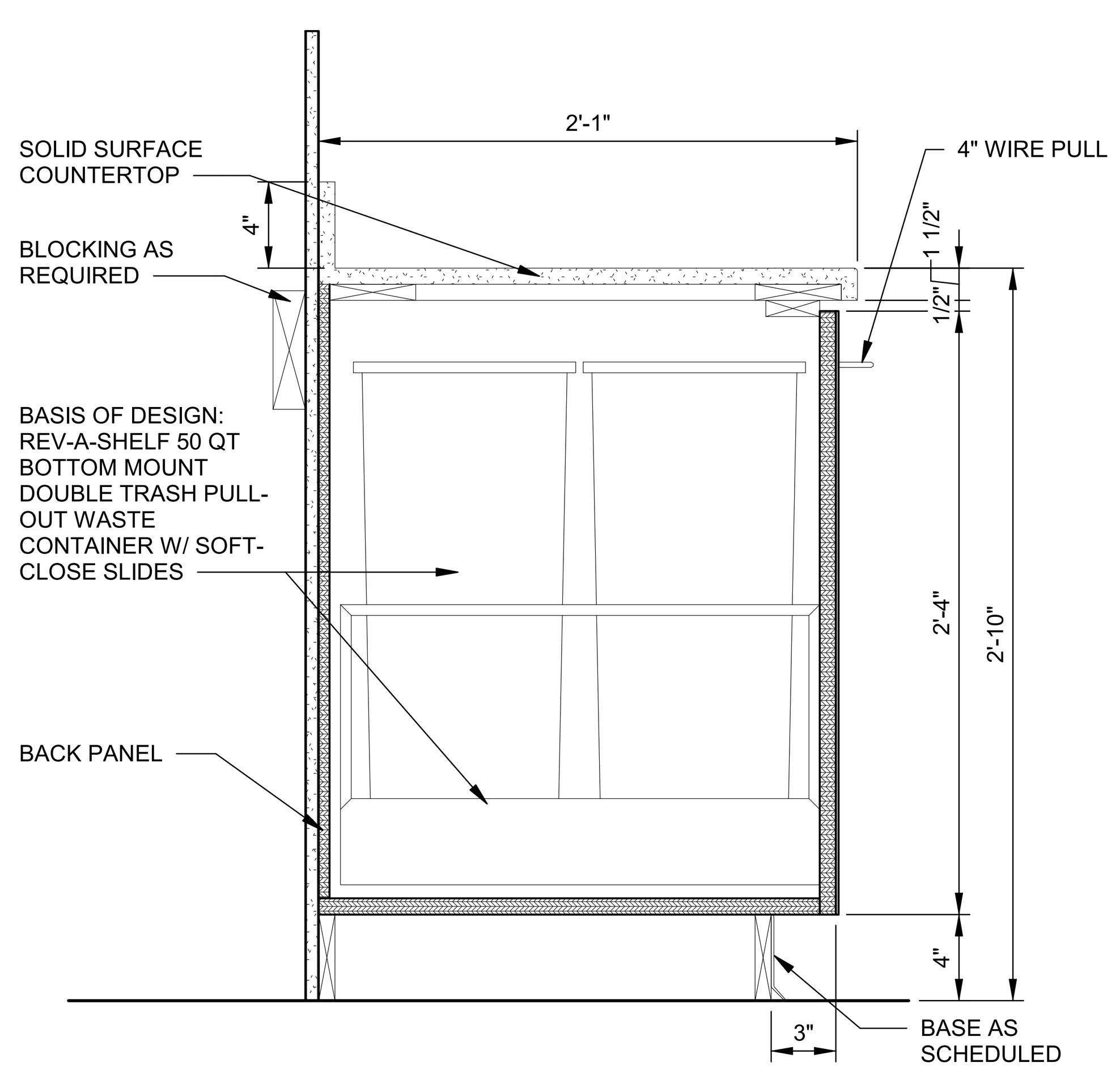

5 A-906 **CASEWORK SECTION**
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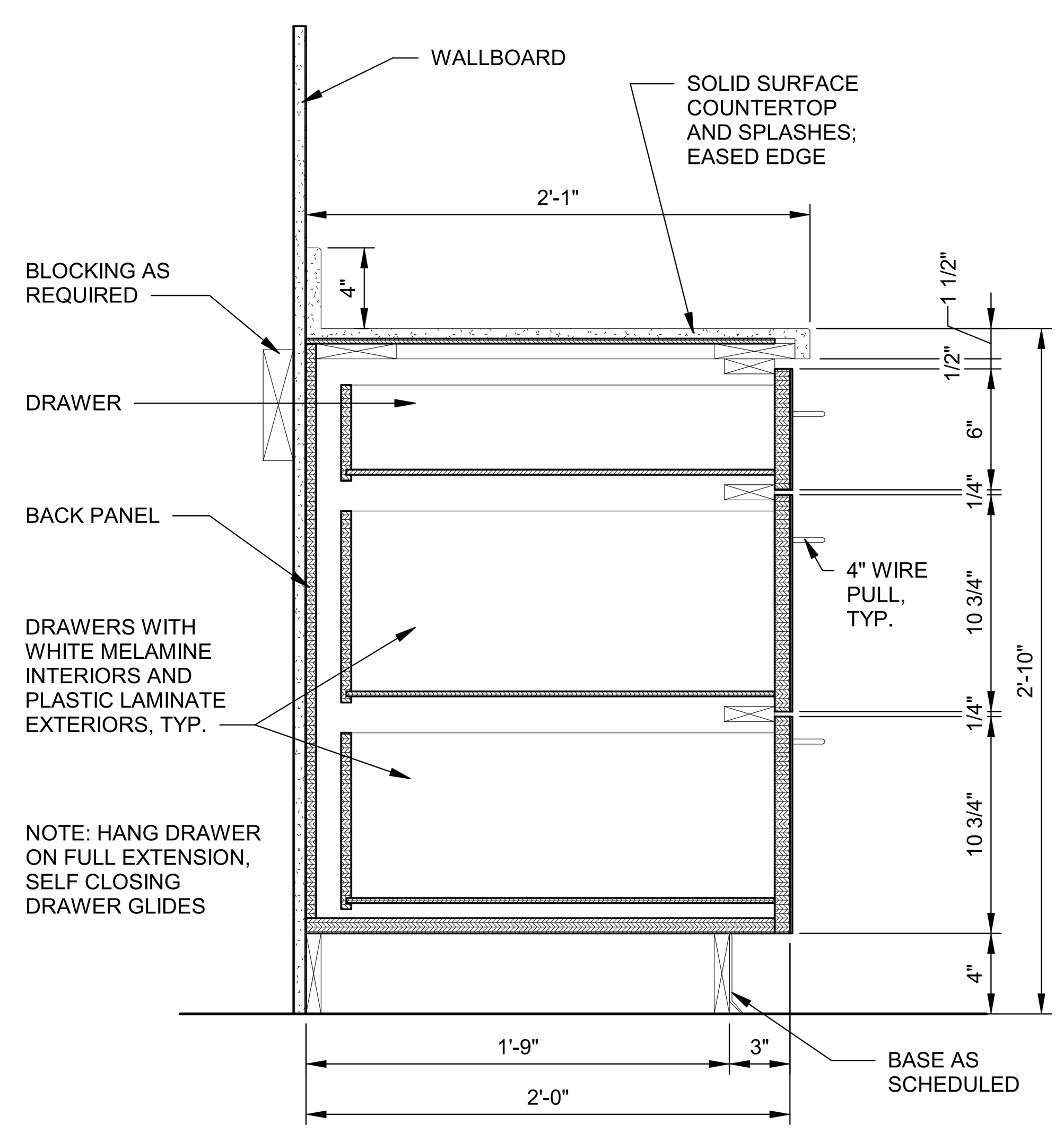

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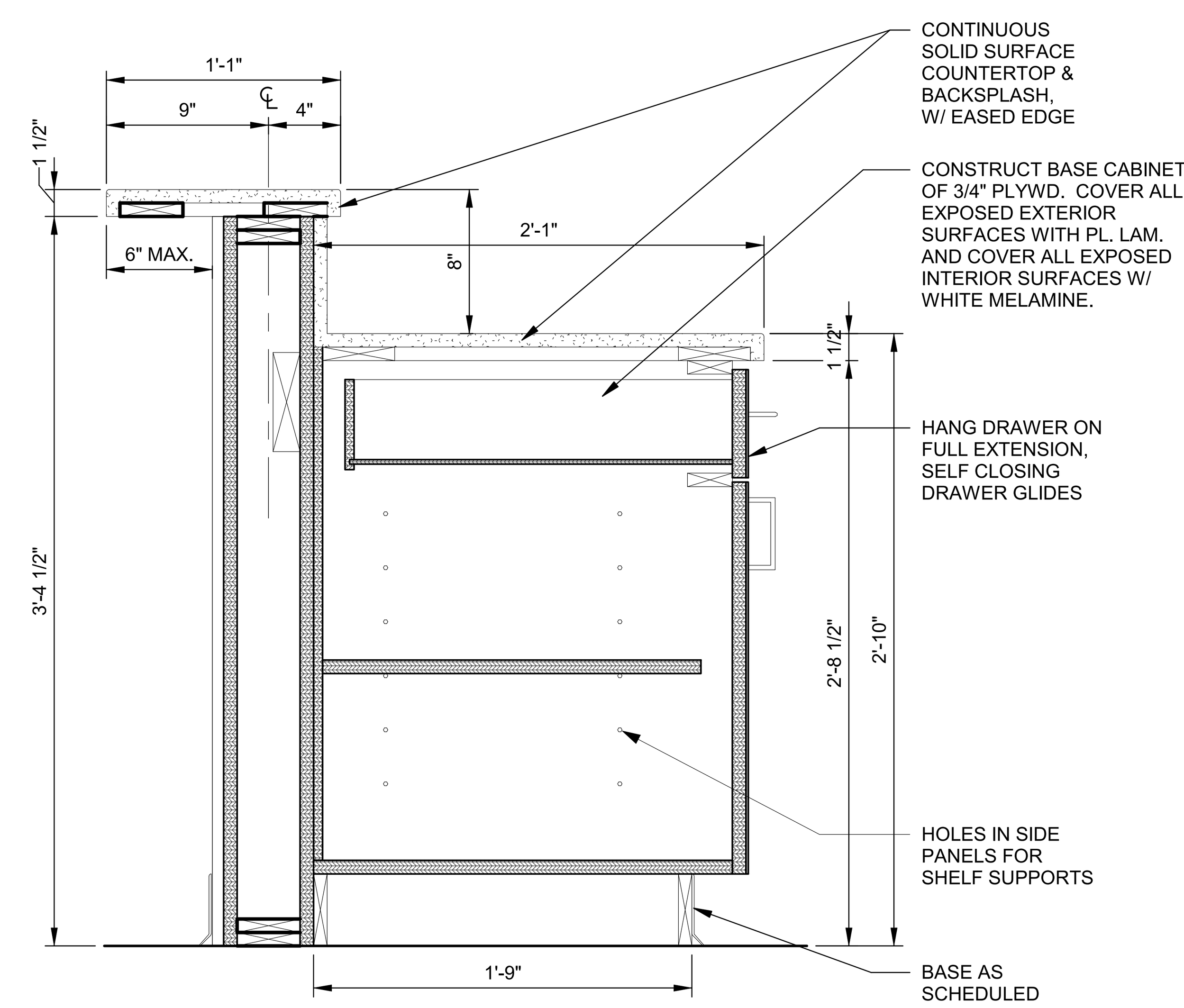

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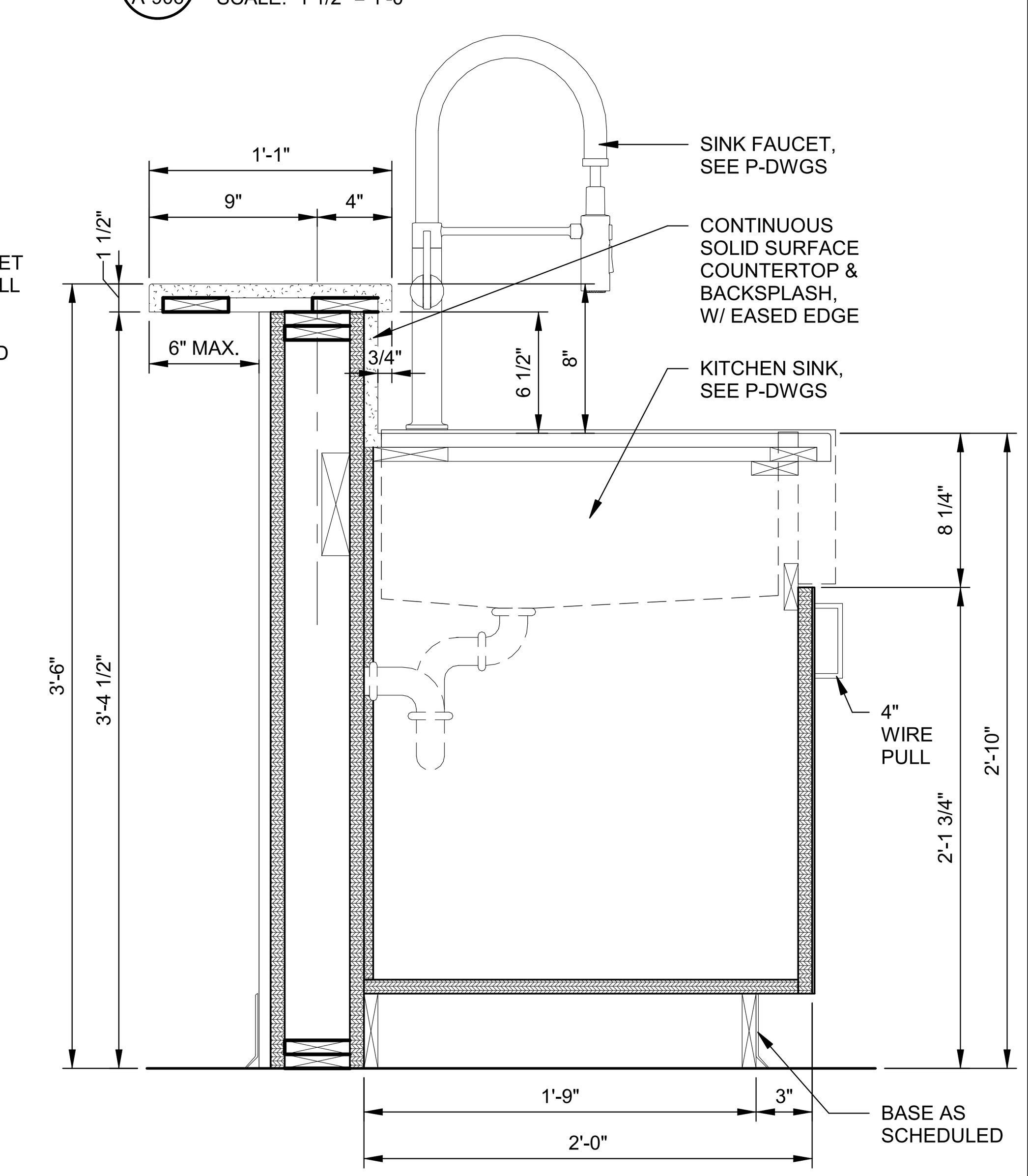

8 A-906 **CASEWORK SECTION**
SCALE: 1 1/2" = 1'-0"

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535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. PEF000356
EXPIRATION DATE: JUNE 30, 2026
CERTIFICATE OF AUTHORIZATION

04/29/2025

REV	DATE	BY	DESCRIPTION
A	04/29/25	WLD	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JPT
CHECKED BY:	WLD
DATE:	04/03/2024

SHEET TITLE:
CASEWORK DETAILS

SCALE	AS NOTED
DRAWING NO.	A-906
REV.	A

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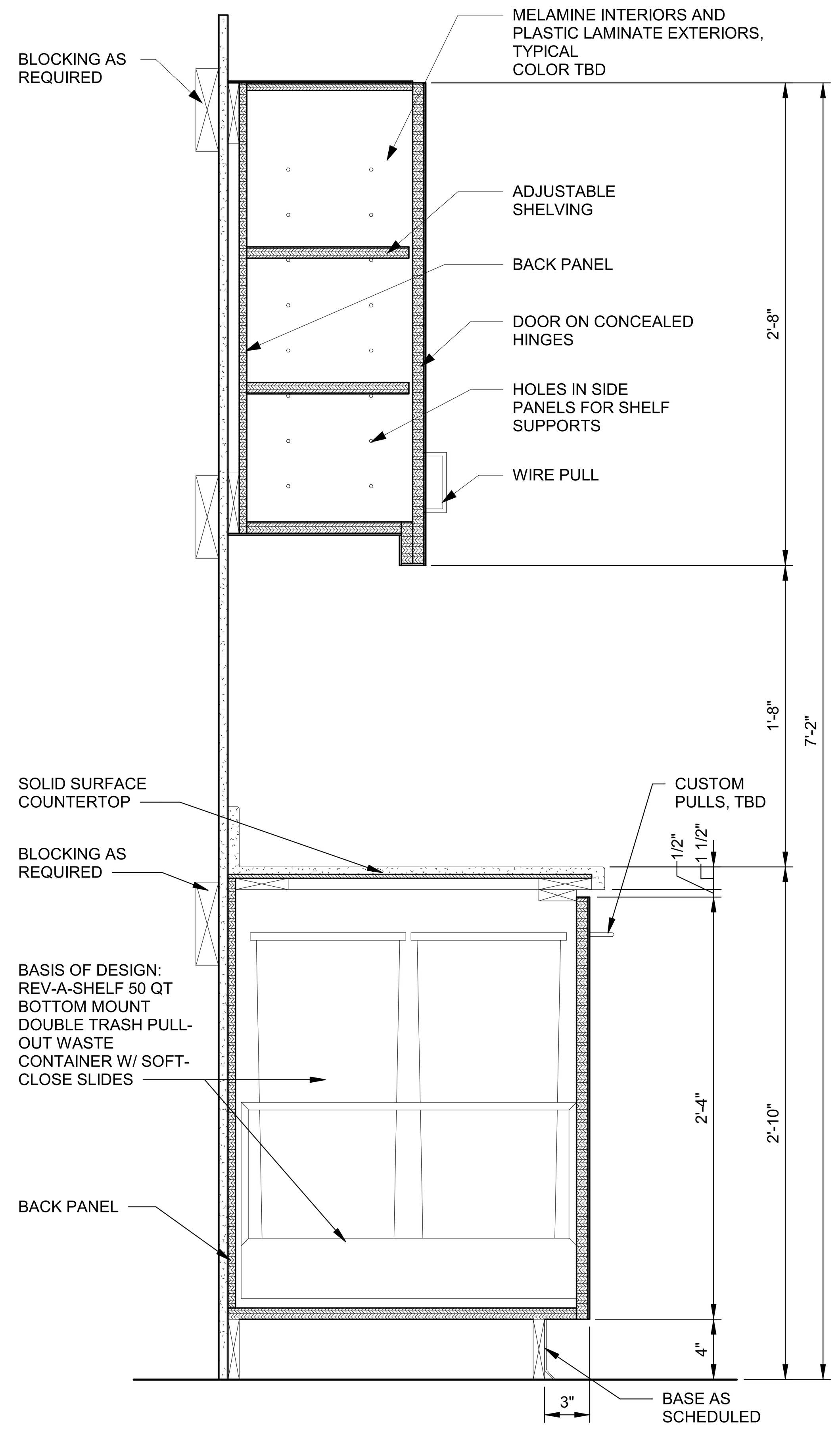
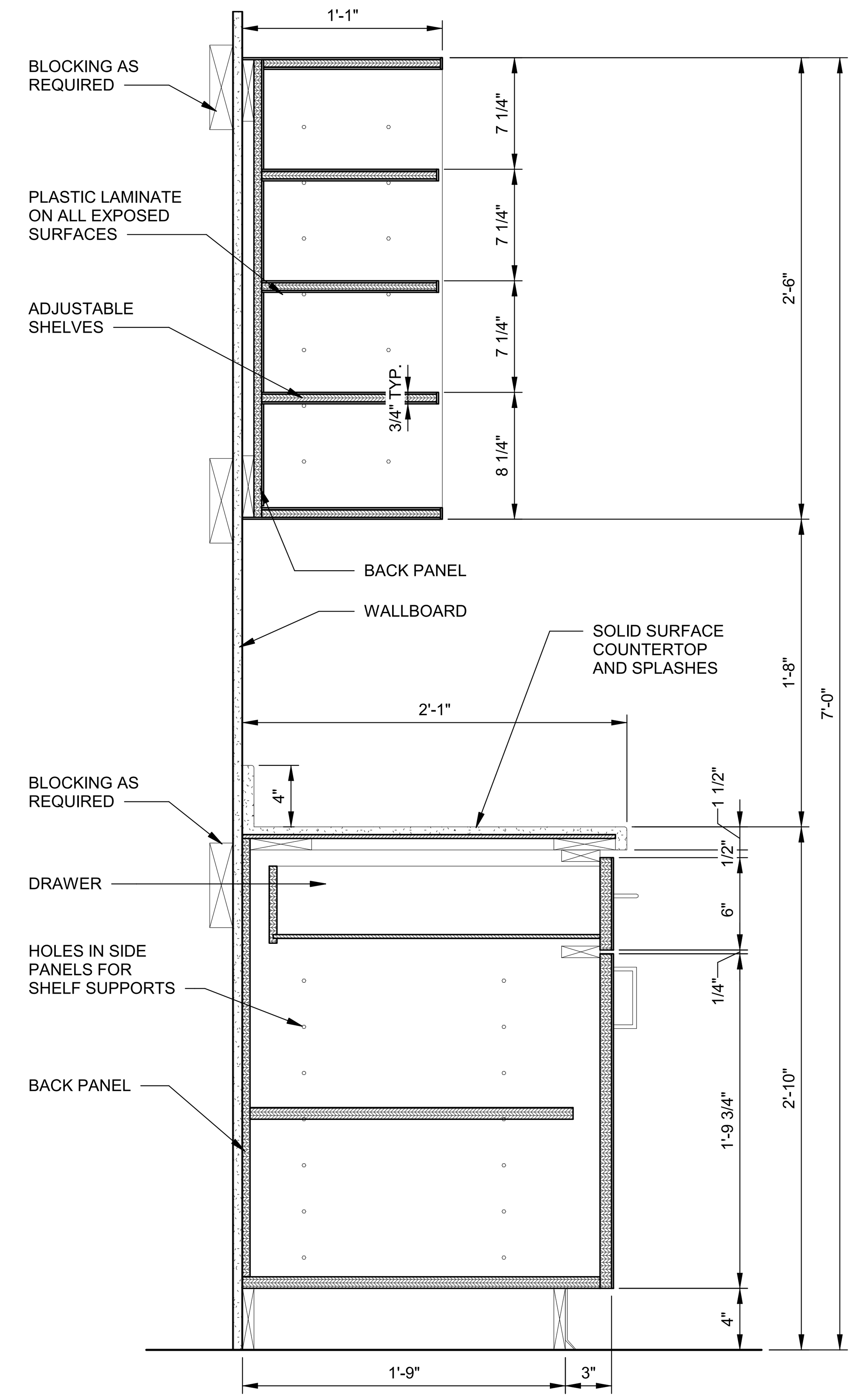
REV. 05/16/2024 JAP



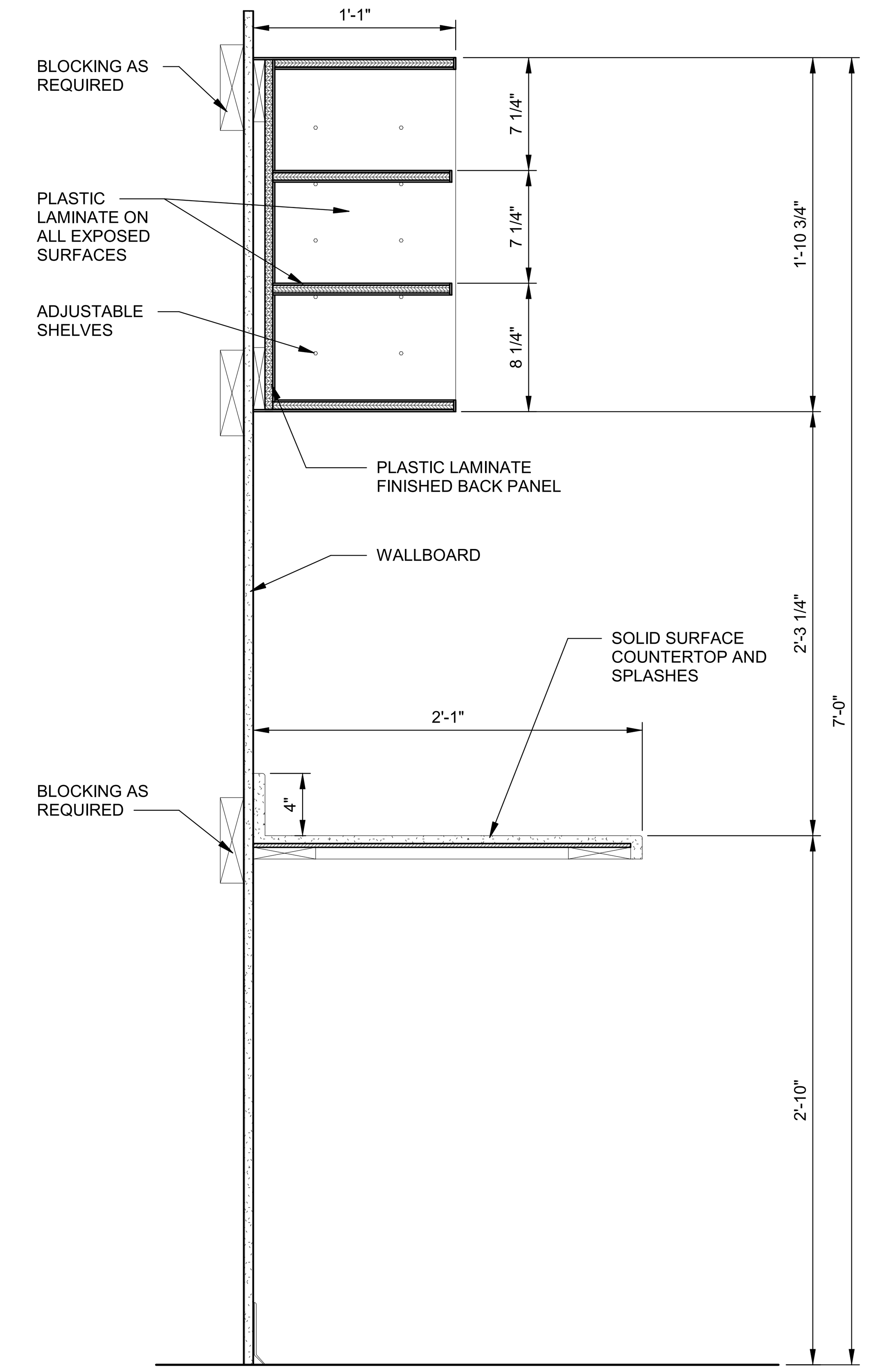
CASEWORK SECTION

1 A-907 SCALE: 1 1/2" = 1'-0"



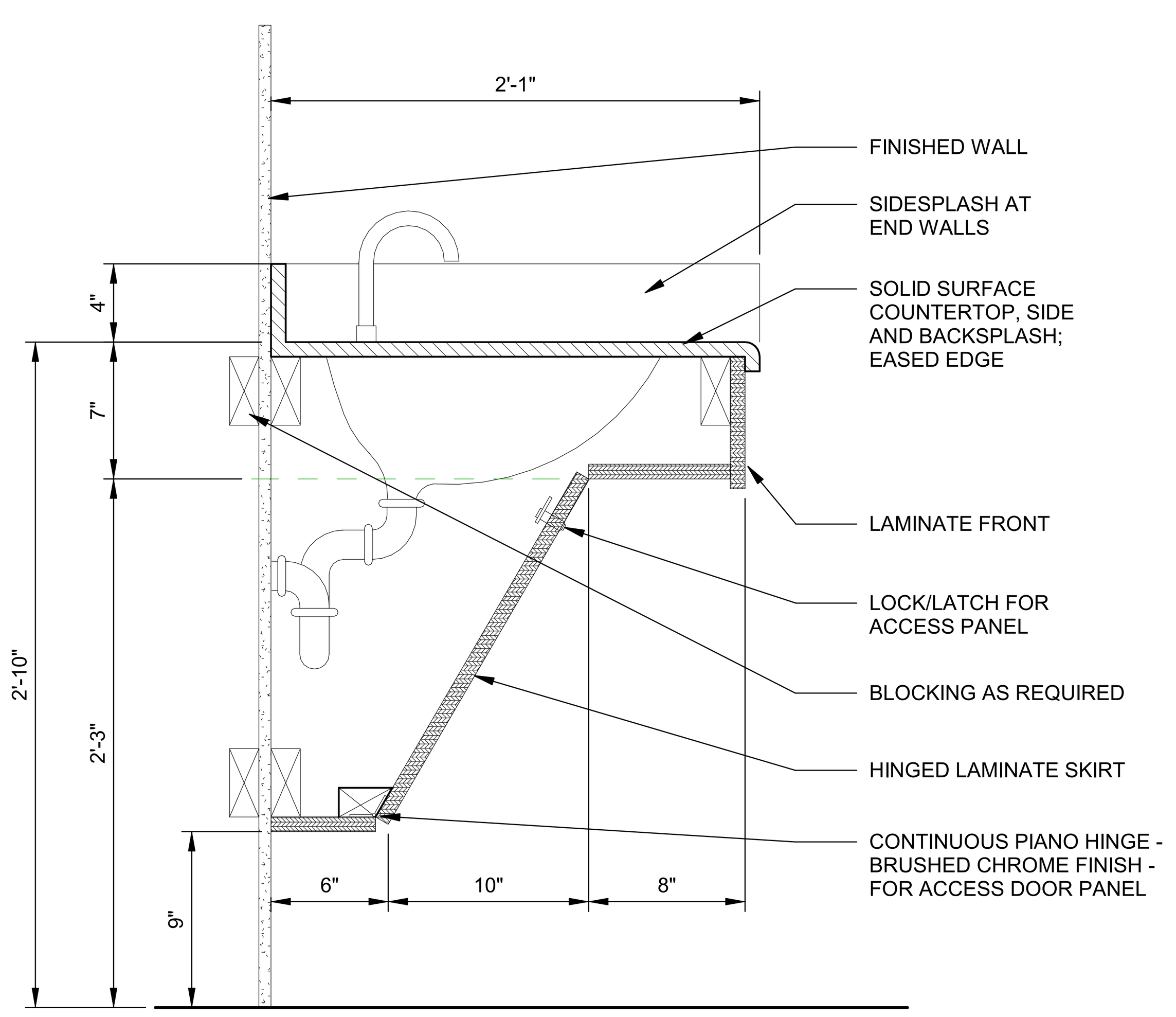
CASEWORK SECTION

2 A-907 SCALE: 1 1/2" = 1'-0"



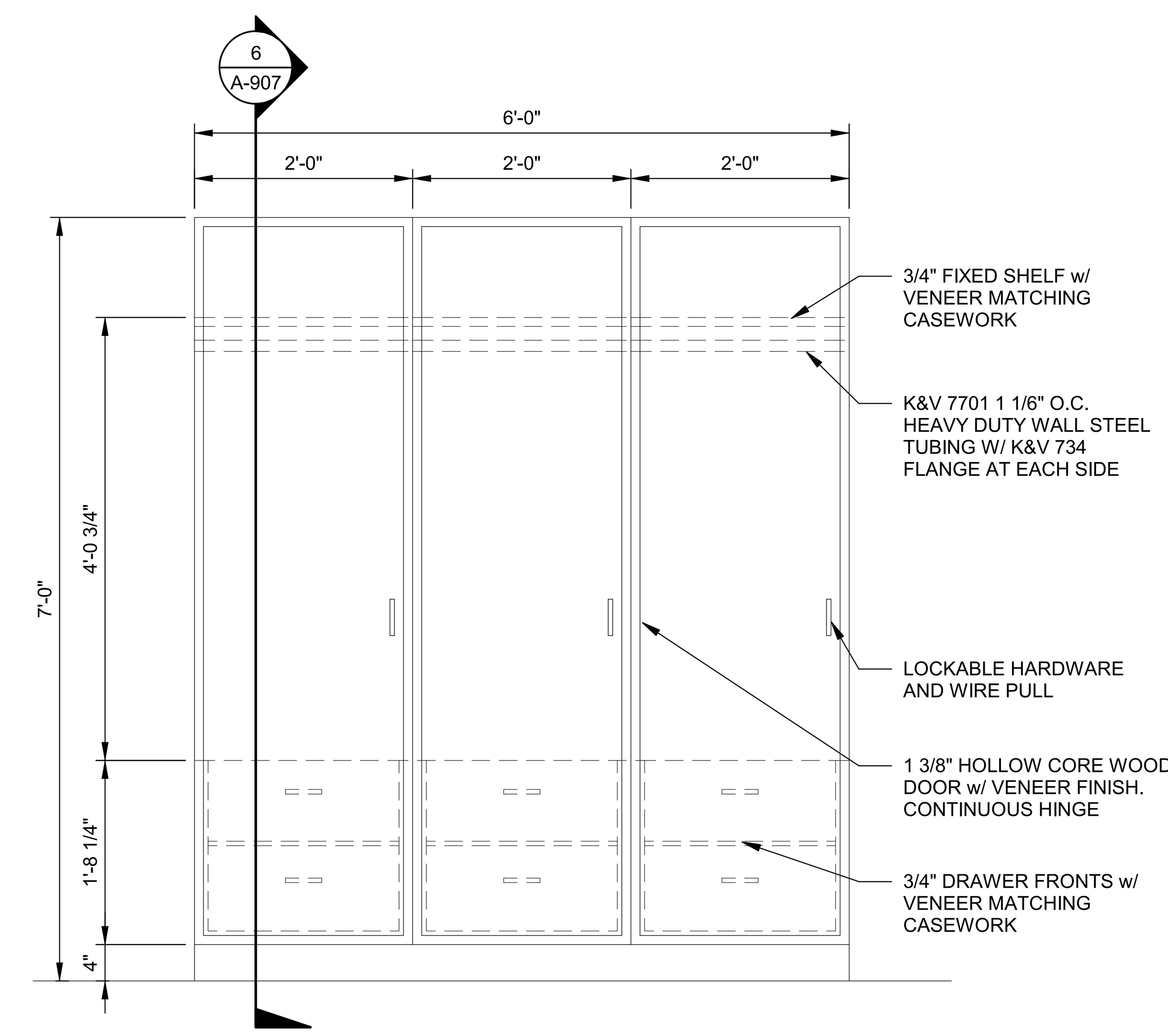
CASEWORK SECTION

3 A-907 SCALE: 1 1/2" = 1'-0"



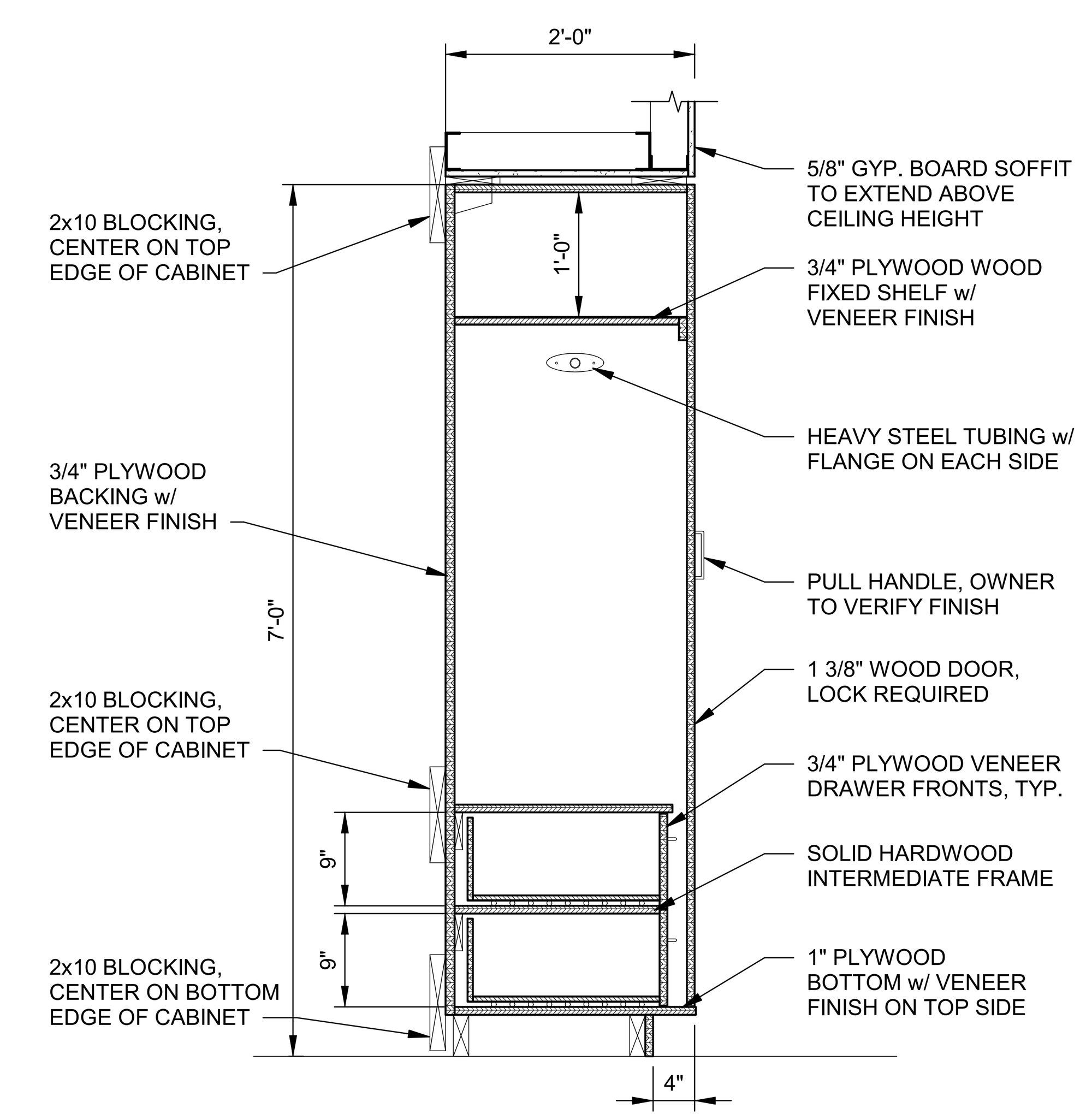
CASEWORK SECTION

4 A-907 SCALE: 1 1/2" = 1'-0"



CASEWORK DETAILS - SLEEP ROOM

5 A-907 SCALE: 3/4" = 1'-0"



CASEWORK SECTION - SLEEP ROOM

6 A-907 SCALE: 3/4" = 1'-0"

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CASEWORK DETAILS

SCALE: AS NOTED

DRAWING NO. A-907 REV. A

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JLA-24X36 RFA REV. 05/16/2024 JAP

GENERAL NOTES:

GENERAL

1. THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PROJECT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

2. ALL REFERENCES TO STANDARDS HEREIN ARE TO MOST RECENT ISSUE IN EFFECT AS OF THE DATE OF THESE DOCUMENTS, UNLESS NOTED OTHERWISE IN PROJECT SPECIFICATIONS.

3. DESIGN BASIS: 2018 INTERNATIONAL BUILDING CODE (IBC)
   - A. GENERAL
     - a. RISK CATEGORY = IV
   - B. WIND:
     - ULTIMATE DESIGN WIND SPEED = 126 MPH
     - WIND EXPOSURE CATEGORY = B
     - INTERNAL PRESSURE COEFFICIENT = 0.18 ± (ENCLOSED BUILDING)
     - COMPONENT & CLADDING DESIGN PRESSURE - SEE DIAGRAMS ON DETAIL 6/S-503
   - C. SEISMIC:
     - SEISMIC IMPORTANCE FACTOR Ie = 1.5
     - MAPPED SPECTRAL RESPONSE ACCEL (SHORT PERIODS) Ss = 0.28
     - MAPPED SPECTRAL RESPONSE ACCEL (1 SECOND PERIOD) S1 = 0.11
     - SITE CLASS = D
     - SPECTRAL RESPONSE COEFFICIENT (SHORT PERIODS) SDS = 0.29
     - SPECTRAL RESPONSE COEFFICIENT (1 SECOND PERIOD) SD1 = 0.17
     - SEISMIC DESIGN CATEGORY = D
     - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

     APPARATUS BAY
     BASIC SEISMIC FORCE RESISTING SYSTEM - SPECIAL REINFORCED MASONRY SHEAR WALLS
     RESPONSE MODIFICATION FACTOR R = 5.0
     SEISMIC RESPONSE COEFFICIENT Cs = 0.10
     DESIGN BASE SHEAR = 155K

     OFFICE / RESIDENCE BAY
     BASIC SEISMIC FORCE RESISTING SYSTEM - LIGHT GAGE SHEAR WALLS WITH STRUCTURAL SHEATHING
     RESPONSE MODIFICATION FACTOR R = 6.5
     SEISMIC RESPONSE COEFFICIENT Cs = 0.07
     DESIGN BASE SHEAR = 15K
   - D. LIVE LOADS:

     ROOF: 20 psf
     MEZZANINE: 100 psf
     APPARATUS BAY FLOOR: APPARATUS WITH 40K AXLE LOADS OR 20K WHEEL LOAD
   - E. SNOW LOAD

     GROUND: 5 psf

4. ABBREVIATIONS:

T	TOP (BAR)	FIN	FINISH	REINF	REINFORCING
B	BOTTOM (BAR)	FLR	FLOOR	TRS	TRUSS
INT	INTERIOR	CLR	CLEAR	STL	STEEL
EXT	EXTERIOR	T/*	TOP OF *	WD	WOOD
EL	ELEVATION	B/*	BOTTOM OF *	CONC	CONCRETE
OC	ON CENTER	W/*	WITH *	MSNRY	MASONRY
EW	EACH WAY	GA	GAGE/GAUGE	LG	LIGHT GAGE
EF	EACH FACE	EQ	EQUAL	APPROX	APPROXIMATE
NS	NEAR SIDE	FTG	FOOTING	SPC'S	SPACE/SPACES/SPECS
FS	FAR SIDE	TYP	TYPICAL	UNO	UNLESS NOTED OTHERWISE

5. UNLESS OTHERWISE NOTED, REQUIREMENTS GIVEN FOR ONE LOCATION ALSO APPLY AT OTHER LOCATIONS AT WHICH CONDITIONS ARE SIMILAR. THE REQUIREMENTS GIVEN SHALL BE ADAPTED TO CONDITIONS AT SIMILAR LOCATIONS.

6. COORDINATE WORK OF OTHER TRADES SHOWN ON DRAWINGS OR INDICATED IN SPECIFICATIONS WITH STRUCTURAL WORK.

7. SHOP DRAWINGS FOR ANY PART OF THE STRUCTURAL WORK SHALL SHOW THE INTERFACE WITH OTHER RELATED TRADES. THE CONTRACTOR SHALL VERIFY DIMENSIONS, LOCATIONS, MATERIALS, ETC. OF RELATED TRADES BY CERTIFIED MANUFACTURER'S DRAWINGS AND SO INDICATE BEFORE SUBMITTING SHOP DRAWINGS FOR ARCHITECT/ENGINEER'S APPROVAL.

8. THE DESIGN OF THE STRUCTURE SHOWN IS BASED ON INTERACTION OF VARIOUS CONNECTED PARTS AND THE DESIGN LOADS NOTED ABOVE. THE STRENGTH AND STABILITY OF CONSTRUCTION UNDERWAY MAY REQUIRE SUPPLEMENTAL TEMPORARY SUPPORTS, BRACING OR OTHER MEASURES. THE CONTRACTOR SHALL DETERMINE THE NEED OF SUCH TEMPORARY SUPPORT DURING CONSTRUCTION AND PROVIDE ALL SUCH MEASURES.

EARTHWORK/FOUNDATION

1. FOUNDATION DESIGN BASIS:

   REPORT OF SUBSURFACE EXPLORATION AND GEOTECHNICAL EVALUATION, PREPARED BY ECS, PROJECT NO.: 38:1995, AND DATED JANUARY 28, 2019.

   BASED ON THE PRESCRIBED SUBGRADE IMPROVEMENTS THAT WERE INSTALLED AND ACCEPTABLY TESTED IN 2019 AND 2020, THE NET ALLOWABLE SOIL BEARING CAPACITY IS 2,500 PSF.

   DESIGN MODULUS OF SUBGRADE REACTION (K) = 150 PCI

2. NO BLASTING WILL BE ALLOWED.

3. CONTROL OF GROUND WATER, IF REQUIRED, SHALL BE ACCOMPLISHED IN A MANNER THAT WILL PRESERVE THE STRENGTH OF THE FOUNDATION SOILS, WILL NOT CAUSE INSTABILITY OF THE EXCAVATION SLOPES, AND WILL NOT RESULT IN DAMAGE TO EXISTING STRUCTURES.

4. COORDINATE FOUNDATION WORK WITH ALL OTHER TRADES.

5. PIPES AND OTHER WORK WHICH REQUIRE EXCAVATING OR TRENCHING ADJACENT TO COLUMN FOOTINGS OR PARALLEL TO WALL FOOTINGS, SHALL NOT BE LOCATED BELOW LINES EXTENDING DOWNWARD FROM THE BOTTOM EDGE OF THE FOOTING AT A 45 DEGREE ANGLE FROM HORIZONTAL.

6. EXCAVATIONS FOR FOOTINGS, MATS AND OTHER FOUNDATIONS BUILT NEXT TO OR AROUND EXISTING FOUNDATIONS, SHALL NOT EXTEND BELOW THE BOTTOM SURFACE OF THE EXISTING FOOTING UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DESIGN DRAWINGS. HOLES ADJACENT TO EXISTING FOOTINGS (CLOSER TO THE FOOTING EDGE THAN THE HOLE DEPTH) CAN NOT BE OVER-EXCAVATED AND FILLED TO ACCOUNT FOR BAD SOIL UNLESS SPECIFICALLY APPROVED BY THE ENGINEER OF RECORD.

7. ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS INCLUDING ELEVATION, SIZE AND THICKNESS OF FOUNDATIONS SHALL BE INDICATED BY THE GENERAL CONTRACTOR ON THE REINFORCING SHOP DRAWINGS. SUCH PROPOSED DEVIATIONS SHALL BE CIRCLED AND NOTED "ENGINEER VERIFY".

8. STRUCTURAL FILL SHALL BE PLACED IN LOOSE LIFTS NO MORE THAN 8" THICK WITH A COMPACTION OF 95% STANDARD PROCTOR (PER ASTM D-698) MAXIMUM DRY DENSITY.

SEE SPECIFICATIONS LISTED BELOW FOR ADDITIONAL STRUCTURAL INFORMATION:

033000 - CAST-IN-PLACE CONCRETE
051200 - STRUCTURAL STEEL FRAMING
052100 - STEEL JOIST FRAMING
053100 - STEEL DECKING
054000 - COLD-FORMED METAL FRAMING
054400 - COLD-FORMED METAL TRUSSES
055000 - METAL FABRICATIONS

CONCRETE

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 318-14, DIVISION 3 OF THE SPECIFICATIONS, AND THE FOLLOWING:
   - A. CONCRETE STRENGTHS AND MIXES SHALL BE AS FOLLOWS:

STRENGTH(PSI)	AIR(%)	CEMENT	W/C RATIO	SLUMP	AGGREGATE(MAX.)	LOCATION
2,000		TYPE I / II / IL	-	-	-	CONDUIT ENCASEMENT AND BACKFILL BELOW FOOTINGS
3,000	**	TYPE I / II / IL	0.52	4" +/- 1"	3/4"	EQUIP. PADS, SPREAD FOOTINGS, WALL FOOTINGS, SHEAR WALLS, AND STAIR PAN FILL
4,000	**	TYPE I / II / IL	0.48	4" +/- 1"	3/4"	SLAB ON GRADE
4,000*		TYPE I / II / IL	0.48	4" +/- 1"	3/4"	ELEVATED SLABS
2,500	**	TYPE I / II / IL	-	8"	3/8"	COARSE GROUT FOR MASONRY BLOCK FILL

   * CONCRETE IS A SEMI-LIGHTWEIGHT CONCRETE WITH A MAXIMUM WEIGHT OF 120 #/CU. FT. COARSE AGGREGATE PER ASTM C330.

   ** NATURALLY ENTRAPPED AIR ONLY UNLESS CONCRETE IS EXPOSED TO FREEZE/THAW. USE 4% TO 6% ENTRAINED AIR UNDER FREEZE/THAW CONDITION.

   - B. FLY ASH PER ASTM C618, TYPE C OR F WILL BE PERMITTED PROVIDED THE FOLLOWING LIMITS ARE MET:
     1. THE QUANTITY OF CEMENT REPLACED SHALL BE NO MORE THAN 20%.
     2. CEMENT SHALL BE REPLACED BY FLY ASH AT THE RATE OF 1.25 LBS. OF FLY ASH TO 1.0 LBS OF CEMENT.
   - C. ALL CONCRETE DELIVERED TO THE SITE SHALL HAVE A COMPUTER BATCH WEIGHT TICKET. THE BATCH TICKET SHALL SHOW WEIGHTS OF ALL MATERIALS, VOLUME OF CONCRETE AND TIME BATCHED. THE BATCH WEIGHT TICKET SHALL BE GIVEN TO A DESIGNATED OWNER'S REPRESENTATIVE ON SITE AT THE TIME OF DELIVERY FOR VERIFICATION OF MIX PROPORTIONS.
   - D. CONSOLIDATE ALL CONCRETE IN FORMS AND TRENCHES WITH VIBRATORS. POORLY CONSOLIDATED CONCRETE WILL BE REJECTED AND REPLACED AT CONTRACTOR'S EXPENSE.

2. CONCRETE REINFORCING
   - A. ALL REINFORCING EXCEPT WHERE NOTED BELOW, SHALL BE PER ASTM A-615, GRADE 60.
   - B. WELDING OF REINFORCING STEEL IS NOT PERMITTED UNLESS ASTM A-706, GRADE 60 REINFORCEMENT IS USED.
   - C. REINFORCING SHALL NOT BE HEATED TO BEND.
   - D. WELDED WIRE FABRIC SHALL BE PER ASTM A-185.

3. SUBMITTALS
   - A. CONCRETE MIX DESIGNS; SHOP DRAWINGS FOR CONCRETE REINFORCING, EMBEDDED ITEMS; ACCESSORIES; AND PRODUCT DATA, ETC. AS OUTLINED IN THE SPECIFICATIONS SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE AT LEAST 15 DAYS PRIOR TO THE START OF WORK FOR APPROVAL.
   - B. ALL DATA SHALL BE SUBMITTED "CONTRACTOR APPROVED".

4. NOTIFICATIONS: THE CONTRACTOR SHALL NOTIFY THE OWNER.
   - A. WHEN EXCAVATION TO REQUIRED SUBGRADE ELEVATIONS IS REACHED.
   - B. 24 HOURS PRIOR TO ANY SCHEDULED CONCRETE PLACEMENT FOR INSPECTION OF FORMWORK, REINFORCING AND EMBEDDED ITEMS.

LIGHT GAGE STEEL

1. FURNISH AND INSTALL ALL PRE-ENGINEERED LIGHT GAUGE METAL FRAMING AS SHOWN ON THE DRAWINGS AND SPECIFIED, INCLUDING HEADERS, OUTRIGGERS, JOISTS, RAFTERS AND PURLINS AND INCIDENTAL FRAMING FOR A COMPLETE ASSEMBLY.

2. FURNISH AND INSTALL ALL PRE-ENGINEERED LIGHT GAUGE METAL TRUSSES WHICH INCLUDES PLANAR STRUCTURAL UNITS CONSISTING OF WELDED OR BOLTED CONNECTED MEMBERS WHICH ARE FABRICATED, CUT AND ASSEMBLED PRIOR TO DELIVERY, OR AT THE JOB SITE.

3. LIGHT GAUGE METAL FRAMING AND TRUSSES SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE FOLLOWING:
   - A. AMERICAN IRON AND STEEL INDUSTRIES:
     SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.
   - B. AMERICAN SOCIETY OF TESTING MATERIALS:
     ASTM A446: "SPECIFICATION FOR STEEL SHEET, ZINC COATED (GALVANIZED BY THE HOT-DIP PROCESS, PHYSICAL (STRUCTURAL) QUALITY.")
     GRADE A, FY = 33 KSI: 18 GAUGE AND LIGHTER
     GRADE D, FY = 50 KSI: 16 GAUGE AND HEAVIER
     GALVANIZING: G60 COATING CLASS
   - C. AMERICAN WELDING SOCIETY:
     AWS D1.0 "CODE FOR WELDING IN BUILDING CONSTRUCTION" ANSI Z49.1 "SAFETY IN WELDING AND CUTTING"

4. TRUSSES SHALL BE FABRICATED AND ERECTED BY A FIRM WHICH HAS A RECORD INCLUDING A MINIMUM OF FIVE (5) YEARS OF SUCCESSFULLY FABRICATING TRUSSED ASSEMBLIES SIMILAR TO SCOPE REQUIRED AND WHICH PRACTICES A QUALITY CONTROL PROGRAM WHICH INCLUDES INSPECTION BY AN INDEPENDENT INSPECTION AND TESTING AGENCY ACCEPTABLE TO ARCHITECT AND AUTHORITIES HAVING JURISDICTION.

5. SUBMIT FABRICATOR'S TECHNICAL DATA COVERING MATERIALS, SHAPES, HARDWARE, FABRICATION PROCESS, HANDLING AND ERECTION.
   - A. SUBMIT CERTIFICATE, SIGNED BY AN OFFICER OF SUBCONTRACTOR OR FABRICATING FIRM, INDICATING THAT TRUSSES TO BE SUPPLIED FOR PROJECT COMPLY WITH INDICATED REQUIREMENTS.

6. SUBMIT SHOP DRAWINGS SHOWING SHAPES AND DIMENSIONS OF MEMBERS TO BE USED INCLUDING PITCH, SPAN, CAMBER CONFIGURATION AND SPACING FOR EACH TYPE OF CONFIGURATION OF TRUSS REQUIRED. SHOW ALL BEARING AND ANCHORAGE DETAILS. SPECIFY AND DETAIL ALL SUPPLEMENTAL STRAPPING, BRACING CLIPS AND OTHER ACCESSORIES REQUIRED FOR PROPER INSTALLATION. SHOP DRAWINGS SHALL INCLUDE ALL PLACEMENT SEQUENCES AND INSTRUCTIONS.

7. HANDLE AND STORE LIGHT GAUGE MATERIALS AND ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS TO AVOID DAMAGE FROM BENDING, OVERTURNING OR OTHER CAUSE. STORAGE SHALL BE OFF-GROUND IN A DRY VENTILATED SPACE OR PROTECT WITH WATERPROOF COVERINGS.

8. FRAMING COMPONENTS SHALL BE FASTENED TO EACH OTHER BY WELDING, BOLTING, OR SCREWING. ALL SHARP EDGES SHALL BE GROUND SMOOTH.

9. PREFABRICATED TRUSSES SHALL BE BRACED AGAINST RACKING. LIFTING OF TRUSSES SHALL BE DONE SO AS TO NOT CAUSE LOCAL DISTORTION OF ANY MEMBER.

10. ALL LIGHT GAUGE STEEL FRAMING SHALL BE ERECTED BY APPROVED METHODS USING EQUIPMENT OF ADEQUATE CAPACITY TO SAFELY PERFORM THE WORK.

11. ALL WORK SHALL BE ERECTED PLUMB AND LEVEL AND TO DIMENSIONS, SPACINGS AND ELEVATIONS INDICATED ON DRAWINGS.

12. MEMBERS SHALL BE OF SIZE AND SPACING SHOWN ON THE DRAWINGS.

13. PROVIDE TEMPORARY BRACING AS REQUIRED TO MAINTAIN TRUSSES PLUMB, PARALLEL AND IN LOCATION INDICATED, UNTIL PERMANENT BRACING IS INSTALLED.

14. ANCHOR TRUSSES SECURELY AT ALL BEARING POINTS. COMPLY WITH METHODS AND DETAILS INDICATED.

MASONRY WALL REINFORCING/JOINTS

1. THE REINFORCING, JOINTS AND CRITERIA DESCRIBED IN THE FOLLOWING GENERAL NOTES ARE REQUIRED AS A MINIMUM FOR ALL RUNNING BOND MASONRY WALLS. SEE SPECIFIC CRITERIA ON DESIGN DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS AND/OR STACK BOND CRITERIA:

2. VERTICAL REINFORCING (RUNNING BOND):
   - A. PROVIDE REINFORCING STEEL IN A CONCRETE FILLED CELL CONTINUOUS FROM FOOTING INTO BOND BEAM AT TOP OF WALL. LAP BARS WITH FOOTING DOWEL AND EXTEND 4" MINIMUM INTO BOND BEAM. BREAK-OUT BOTTOM OF BOND BEAM AT FILLED CELL LOCATIONS. PROVIDE AT THE FOLLOWING LOCATIONS:
     - AT ALL WALL CORNERS.
     - WITHIN 8" OF ENDS OF ALL WALLS AND AT EACH SIDE OF EXPANSION AND CONTROL JOINTS.
     - AT ALL DOOR AND WINDOW JAMBS AND AT ALL OPENINGS GREATER THAN 16" IN WIDTH.
     - ALONG ENTIRE LENGTH OF ALL WALLS AS NOTED IN THE TABLE BELOW:

VERTICAL FOR SEISMIC DESIGN CATEGORY D

WALL WIDTH	NON-LOAD BEARING WALLS	LOAD BEARING WALLS
8"	1-#4 @ 4'-0" OC MAX.	1-#5 @ 32" OC MAX.
12"	1-#4 @ 4'-0" OC MAX.	1-#6 @ 24" OC MAX.

   - B. VERTICAL BAR SPLICES SHALL HAVE A MINIMUM LAP AS NOTED IN THE TABLE BELOW

MASONRY REINFORCING LAP LENGTHS

BAR	#3	#4	#5	#6	#7	#8	#9	
LENGTH	18"	24"	30"	36"	42"	48"	54"	

   - C. VERTICAL FILLED CELLS SHALL BE FILLED WITH CONCRETE IN 4'-0" MAX. LIFTS.

3. HORIZONTAL REINFORCEMENT (RUNNING BOND):
   - A. PROVIDE HORIZONTAL JOINT REINFORCING AS NOTED IN THE TABLE BELOW:
     Fy=60,000psi, F'm=1,500psi, BARS TO BE CENTERED IN THE WALL

HORIZONTAL FOR SEISMIC DESIGN CATEGORY D

WALL WIDTH	NON-LOAD BEARING WALLS	LOAD BEARING WALLS
8"	2-LONGITUDINAL W1.7 (9 GAGE) WIRES @ 16" OC MAX.	2-LONGITUDINAL W1.7 (9 GAGE) WIRES @ 16" OC MAX. PLUS 1-#5 @ 7'-4" OC MAX. IN CONC FILLED KNOCKOUT WEB BLOCK
12"	2-LONGITUDINAL W1.7 (9 GAGE) WIRES @ 16" OC MAX.	2-LONGITUDINAL W1.7 (9 GAGE) WIRES @ 16" OC MAX. PLUS 1-#5 @ 4'-0" OC MAX. IN CONC FILLED KNOCKOUT WEB BLOCK

   - B. PROVIDE CONCRETE FILLED BOND BEAM WITH 2 - #5 REBARS CONTINUOUS WHERE WALLS ARE STRUCTURALLY CONNECTED TO ROOF AND FLOOR LEVELS AND AT THE TOPS OF ALL WALLS.
   - C. PROVIDE CONCRETE FILLED COURSE WITH 1 - #4 REBAR AT DOOR AND WINDOW HEADS, AND AT ALL WINDOW SILLS. EXTEND THE GREATER OF 2'-0" OR 40 BAR DIAMETERS BEYOND OPENING.

4. CONTROL JOINTS:
   - A. CONTROL JOINTS SHALL BE LOCATED IN ALL WALLS AT THE FOLLOWING LOCATIONS:
     - AT A MAXIMUM SPACING OF 3 TIMES THE WALL HEIGHT, BUT NOT GREATER THAN 40'-0" ON CENTER.
     - AT A DISTANCE OF NOT OVER ONE TIME THE WALL HEIGHT FROM BUILDING CORNERS.
     - AT ALL CHANGES IN WALL HEIGHT.
     - AT ALL CHANGES IN WALL THICKNESS, SUCH AS AT PIPE OR DUCT CHASES, AND ADJACENT TO STEEL COLUMNS EMBEDDED IN WALLS AND PILASTERS.
     - ABOVE JOINTS IN FOUNDATIONS AND IN FLOORS.
     - BELOW JOINTS IN FLOORS OR ROOFS THAT BEAR ON THE WALL.
   - B. MASONRY WALL CONTROL JOINTS: ALL HORIZONTAL JOINT REINFORCING SHALL TERMINATE AT THE CONTROL JOINT (UNLESS NOTED OTHERWISE ON DRAWINGS). INTERRUPT HORIZONTAL REINFORCING IN INTERMEDIATE BOND BEAMS. ALL BOND BEAM REINFORCING IN BOND BEAMS LOCATED AT OR NEAR THE TOP OF THE WALL SHALL BE CONTINUOUS THROUGH CONTROL JOINTS.
   - C. IF CONTROL JOINTS ARE NOT SHOWN ON THE DRAWINGS, COORDINATE WITH THE ARCHITECT AND STRUCTURAL ENGINEER, BEFORE CONSTRUCTION BEGINS, TO DETERMINE JOINT LOCATIONS REQUIRED.

5. ISOLATION JOINTS SHALL BE LOCATED WHERE NON-LOAD BEARING WALLS ABUT LOAD BEARING WALLS OR SHEAR WALLS.

6. WALL BRACING:
   - A. ALL NON-LOAD BEARING MASONRY WALLS, (FULL HEIGHT AND PARTIAL HEIGHT) SHALL BE BRACED ALONG ENTIRE LENGTH. BRACE POINTS SHALL OCCUR AT CONCRETE FILLED VERTICAL CELLS AS DEFINED IN NOTE 2.A ABOVE.

ELEVATED METAL DECK

1. UNLESS NOTED OTHERWISE, THESE METAL DECK NOTES APPLY TO NON-COMPOSITE METAL FLOOR DECKING TOPPED WITH CONCRETE, AND UN-TOPPED METAL ROOF DECKING.

2. INSTALLATION OF ELEVATED METAL DECK SHALL BE IN ACCORDANCE WITH DIVISION 5 OF THE SPECIFICATIONS AND THE FOLLOWING:

3. STEEL DECK SHALL BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH THE STEEL DECK INSTITUTE. ALL DECKING SHALL BE GALVANIZED, UNLESS NOTED OTHERWISE ON THE PLANS.

4. CONTRACTOR SHALL PROVIDE ACCESSORIES REQUIRED TO COMPLETE THE METAL DECK INSTALLATION AND THE CONCRETE PLACEMENT INCLUDING (BUT NOT LIMITED TO) CELL AND COLUMN CLOSURES, POUR STOPS AND BEAM FILLERS.

5. UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS, THE CONTRACTOR SHALL INSTALL AN EDGE ANGLE OR BENT PLATE AROUND THE DECKING PERIMETER AND AT INTERIOR OPENINGS. THE ANGLE OR BENT PLATE SHALL BE A MINIMUM 1/4 INCH THICK WITH A HEIGHT THAT MATCHES THE SLAB THICKNESS FOR FLOOR DECKING OR 4 INCHES FOR ROOF DECKING.

6. METAL DECK ENDS WHICH ABUT A CMU WALL (AND ARE NOT SUPPORTED BY STEEL FRAMING WITHIN 6" OF THE DECK EDGE) SHALL BE SUPPORTED BY AN L4X3X1/4 LLV CONTINUOUS ANGLE ATTACHED TO THE WALL WITH POST-INSTALLED ANCHORS. METAL DECK SIDES ABUTTING A WALL DO NOT NEED ADDITIONAL SUPPORT UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS.

7. UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS, METAL ROOF DECKING SHALL BE ATTACHED TO THE SUPPORTING STRUCTURE WITH A 36/7 PATTERN WITHIN 12 FEET OF ANY BUILDING EDGE. FLOOR DECKING AND REMAINING ROOF DECKING SHALL BE ATTACHED WITH A 36/4 PATTERN. ATTACHMENT SHALL BE WITH #12 SELF-DRILLING SCREWS OR POWDER ACTUATED OR PNEUMATIC PINS.

8. METAL DECKING SHALL BE CONNECTED AT ITS SIDE LAPS WITH 2-#10 SCREWS MINIMUM. MAXIMUM SPACING OF SIDE LAP SCREWS SHALL BE 3'-0" UNLESS NOTED OTHERWISE IN THE DESIGN DRAWINGS.

9. EXACT LOCATION AND SIZES OF PENETRATIONS THROUGH FLOORS AND ROOFS SHALL BE COORDINATED WITH MECHANICAL AND ELECTRICAL DRAWINGS. FRAMING FOR MECHANICAL EQUIPMENT SHALL BE AS DETAILED ON THE DRAWINGS AND SHALL BE SUBMITTED FOR REVIEW. ALL OPENINGS GREATER THAN 12" IN DIAMETER OR 12" SQUARE SHALL BE REINFORCED BY ANGLE FRAMING.

10. ALL HVAC EQUIPMENT (FANS, ETC.) SHALL BE SUPPORTED BY STRUCTURAL STEEL FRAMING AND/OR ANGLE FRAMING. NO EQUIPMENT SHALL BE SUPPORTED DIRECTLY BY THE METAL DECK.

11. SUBMITTALS
    - A. SHOP DRAWINGS AND MATERIAL SUBMITTALS SHALL BE REQUIRED FOR ELEVATED STEEL DECK; ACCESSORIES; AND PRODUCT DATA, ETC., AS OUTLINED IN THE SPECIFICATIONS.
    - B. ALL DATA SHALL BE SUBMITTED "CONTRACTOR APPROVED".

STRUCTURAL STEEL

1. INSTALLATION OF STRUCTURAL STEEL, SHALL BE IN ACCORDANCE WITH DIVISION 5 OF THE SPECIFICATIONS AND THE FOLLOWING:

2. STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", 15TH EDITION, 2016.

3. STEEL FABRICATOR SHALL PARTICIPATE IN THE AISC QUALITY CERTIFICATION PROGRAM AND BE DESIGNATED AS AISC-CERTIFIED PLANT, CATEGORY STD.

4. UNLESS NOTED OTHERWISE STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING:
   - A. STRUCTURAL (W) BEAMS AND COLUMNS - ASTM A-572 GRADE 50 OR ASTM A992.
   - B. STRUCTURAL (C) CHANNELS AND ANGLES - ASTM A-36
   - C. MISCELLANEOUS PLATES, BARS AND ANGLES - ASTM A-36.
   - D. ANCHOR BOLTS AND RODS - ASTM A-36 OR ASTM F1554, GRADE 36.
   - E. COLD-FORMED HOLLOW STRUCTURAL SECTIONS (HSS) - ASTM A500, GRADE B STRUCTURAL TUBING
   - F. STRUCTURAL PIPE - ASTM A53, TYPE E OR S, GRADE B. STANDARD (STD) WEIGHT, UNLESS NOTED OTHERWISE ON DRAWINGS.

5. UNLESS NOTED OTHERWISE BOLTED CONNECTIONS SHALL CONFORM TO THE FOLLOWING:
   - A. HIGH STRENGTH BOLTS - 3/4" DIAMETER ASTM A-325-N TYPE 1, HEAVY-HEX.
   - B. NUTS - HEAVY-HEX ASTM A563, GRADE C.
   - C. WASHERS - ASTM F436 TYPE 1, HARDENED (RCSC SPEC TABLE 6.1 AND PART 14 FOR ANCHOR RODS).
   - D. BOLT, NUT AND WASHER FINISH SHALL MATCH THE FINISH OF THE STEEL IT CONNECTS.

6. UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE SHOP PRIMED. PRIMER PAINT SHALL BE COMPATIBLE WITH FINISH PAINTS.

7. MINIMUM SIZE WELD SHALL BE 1/4" FILLET WITH E70XX ELECTRODES. ALL WELDS SHALL BE PERFORMED BY CERTIFIED WELDERS AND CONFORM TO REQUIREMENTS OF AWS D1.1.

8. MINIMUM MATERIAL THICKNESS SHALL NOT BE LESS THAN 3/8" FOR MISCELLANEOUS PLATES.

9. INSTALL COLUMNS PLUMB BY USING STEEL WEDGES AT EDGES OF BASE PLATE TO PROVIDE FIRM BEARING. GROUT FOR SETTING PLATES SHALL BE NON-SHRINK, NON-METALLIC. WHEN GROUT HAS GAINED SUFFICIENT STRENGTH TO SUPPORT LOAD, ALL WEDGES AND SHIMS SHALL BE REMOVED AND RESULTING VOIDS FILLED WITH GROUT.

10. ALIGN AND ADJUST VARIOUS MEMBERS THAT FORM PART OF A STEEL STRUCTURE BEFORE PERMANENTLY FASTENING. MAINTAIN ERECTION TOLERANCES OF STRUCTURAL STEEL WITHIN AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES."

11. DO NOT USE THERMAL CUTTING DURING ERECTION OR ENLARGE HOLES BY BURNING.

12. CLEAN AND REPAIR FINISHES DAMAGED DURING ERECTION.

13. SUBMITTALS
    - A. SHOP DRAWINGS AND MATERIAL SUBMITTALS SHALL BE REQUIRED FOR STRUCTURAL AND MISCELLANEOUS STEEL, ACCESSORIES; AND PRODUCT DATA, ETC., AS OUTLINED IN THE SPECIFICATIONS.
    - B. ALL DATA SHALL BE SUBMITTED "CONTRACTOR APPROVED".

STEEL JOISTS

1. INSTALLATION OF OPEN WEB STEEL JOISTS SHALL BE IN ACCORDANCE WITH DIVISION 5 OF THE SPECIFICATIONS AND THE FOLLOWING:

2. OPEN WEB STEEL JOISTS SHALL CONFORM TO THE STEEL JOIST INSTITUTE "STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS, K AND LH-SERIES", 2015. JOISTS ARE DESIGNED FOR A MAXIMUM ALLOWABLE TENSILE STRESS OF 30,000 PSI. BRIDGING SHALL BE ATTACHED TO STEEL BEAMS OR MASONRY AT THE END OF ALL BRIDGING LINES UNLESS OTHERWISE NOTED ON PLANS.

3. SIZE OF JOISTS INDICATED ON FRAMING PLANS ARE DETERMINED FROM "STANDARD LOAD TABLE FOR OPEN WEB STEEL JOISTS".

4. JOIST MANUFACTURER SHALL DESIGN AND FABRICATE JOISTS FOR POINT LOADS WHERE INDICATED. JOIST DEPTH SHALL BE AS INDICATED ON THE FRAMING PLAN. JOISTS ARE TO BE DESIGNED FOR A DEAD LOAD OF 60 PSF AND A LIVE LOAD OF 100 PSF, IN ADDITION TO THE POINT LOADS INDICATED, UNLESS OTHERWISE NOTED ON THE PLANS.

5. PROVIDE SPECIAL SLOPED BEARING SEATS FOR ALL JOISTS AND STEEL BEAMS ON GREATER THAN 1/4" PER FOOT SLOPE.

6. JOISTS SHALL BE REINFORCED w/ 2 - ∠1 1/2 x 1 1/2 x 3/16 AT ALL LOCATIONS WHERE A POINT LOAD IS APPLIED TO THE TOP AND BOTTOM CHORD OF A JOIST, MORE THAN 1'-0" FROM A PANEL POINT. ANGLES SHALL BE WELDED TO THE CHORD MEMBER AT THE POINT OF LOAD AND WELDED TO THE NEAREST PANEL POINT ON THE OPPOSITE CHORD. SEE DETAILS ON DRAWINGS.

7. SUBMITTALS
   - A. SHOP DRAWINGS AND MATERIAL SUBMITTALS SHALL BE REQUIRED FOR OPEN WEB JOISTS; ACCESSORIES; AND PRODUCT DATA, ETC., AS OUTLINED IN THE SPECIFICATIONS.
   - B. ALL DATA SHALL BE SUBMITTED "CONTRACTOR APPROVED".

LOAD-BEARING METAL STUD NOTES:

1. UNLESS NOTED OTHERWISE, ALL STUDS SHALL BE EQUAL TO A MINIMUM OF 18 GA. SPACED AT 16" CENTERS WITH 18 GA. TRACK, TOP AND BOTTOM.

2. MINIMUM YIELD STRENGTH (Fy) FOR STUDS IS 33,000 p.s.i. FOR 18 GA. AND 20 GA. MATERIALS, AND 50,000 p.s.i. FOR 16 GA., 14 GA., AND 12 GA. MATERIALS.

3. ALL STUDS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A G-60 GALVANIZED COATING MEETING THE REQUIREMENTS OF A.S.T.M. A653.

4. STUDS SHALL HAVE FULL BEARING AGAINST THE INSIDE TRACK WEB TOP AND BOTTOM. STUDS MUST BE CUT SQUARE.

5. BRIDGING IS TO BE SPACED AT NO MORE THAN 4'-0" OC VERTICALLY.

6. UNLESS NOTED DIFFERENTLY, MINIMUM TRACK FASTENING SHALL BE 0.177" DIAMETER POWDER ACTUATED FASTENERS SPACED ON 12" CENTERS FOR BEARING WALLS, AND AT 16" OC FOR NON-LOAD BEARING WALLS (UNO), WITH 1 1/2" MINIMUM PENETRATION INTO CONCRETE.

7. VOIDS BENEATH TRACK SHALL NOT BE PERMITTED. CONTRACTOR SHALL PROVIDE A REASONABLY LEVEL SLAB WITH A TOLERANCE OF 1/8" IN 10 FEET. WHERE UNEVENESS OF SUPPORTING FLOOR PREVENTS CONTINUOUS SOLID BEARING. PANEL OR TRACK SHALL BE LEVELED BY PLACING MORTAR OR GROUT BENEATH TRACK.

8. CONTINUOUS STUDS EACH SIDE OF HEADERS SHALL BE EQUAL TO 1/2 OF THE INTERRUPTED STUDS PLUS ONE STUD AT EACH SIDE. USE MINIMUM OF TWO (2) STUDS EACH SIDE. HEADERS SHALL BE DESIGNED TO TRANSFER ALL UNIFORM AND/OR CONCENTRATED LOADS. SHEAR SHALL BE TRANSFERRED BY FULL BEARING ON JACK STUDS OR BY SHEAR PLATES. SHEAR PLATES SHALL BE 16 GA. MINIMUM.

9. CUTTING OF LOAD-BEARING METAL STUDS IS NOT PERMITTED WITHOUT SPECIFIC APPROVAL FROM THE ENGINEER OF RECORD.

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535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME:
FIRE STATION #3

PROJECT LOCATION:
2649 GORDON HWY., AUGUSTA, GA 30909

MARK W. LORAH
4/29/25

JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. PEF000356
EXPIRATION DATE: JUNE 30, 2026

REV	DATE	BY	DESCRIPTION
A	04/29/25	EGW	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	CB / BLB
CHECKED BY:	MWL
DATE:	04/03/2024

SHEET TITLE:
GENERAL NOTES

SCALE: AS NOTED
DRAWING NO.: S-001
REV.: A

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REV. 05/16/2024 JAP

STRUCTURAL TESTS & SPECIAL INSPECTIONS (IBC 2018)

1704 SPECIAL INSPECTIONS

THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

1704.3 STATEMENT OF SPECIAL INSPECTIONS

THE PROVISIONS AS OUTLINED ON THESE DESIGN DOCUMENTS DEFINE THE STRUCTURAL SPECIAL INSPECTIONS APPLICABLE TO THE PROJECT. THE STATEMENT OF SPECIAL INSPECTIONS AS REQUIRED BY THE LOCAL JURISDICTION FOR PERMIT APPLICATIONS IS TO BE PREPARED USING THE INFORMATION PRESENTED HERE.

1704.3.1 REPORT REQUIREMENTS

SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.

1704.4 CONTRACTOR RESPONSIBILITY

EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A WIND AND/OR A SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED WIND AND/OR SEISMIC SYSTEM, OR COMPONENT LISTED IN THE QUALITY ASSURANCE PLAN SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND TO THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN.

1704.5 INSPECTION OF FABRICATORS

MATERIAL/ACTIVITY	SERVICE	EXTENT
VERIFY FABRICATION/QUALITY CONTROL PROCEDURES	IN PLANT REVIEW	PERIODIC

1705.1.1 SPECIAL CASES

MATERIAL/ACTIVITY	SERVICE	EXTENT
(WORK UNUSUAL IN NATURE, INCLUDING BUT NOT LIMITED TO ALTERNATIVE MATERIALS AND SYSTEMS, UNUSUAL DESIGN APPLICATIONS, MATERIALS AND SYSTEMS WITH SPECIAL MANUFACTURER'S REQUIREMENTS)	SUBMITTAL REVIEW, SHOP AND/OR FIELD INSPECTION	

1705.2 STEEL CONSTRUCTION

MATERIAL/ACTIVITY	SERVICE	EXTENT
FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN AISC 360, CHAPTER N, PARAGRAPH 3.2 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS)	SUBMITTAL REVIEW	EACH SUBMITTAL
MATERIAL VERIFICATION OF STRUCTURAL STEEL	SHOP AND FIELD INSPECTION	PERIODIC
EMBEDMENTS (VERIFY DIAMETER, GRADE, TYPE, LENGTH, EMBEDMENT. SEE 1705.3 FOR ANCHORS)	FIELD INSPECTION	PERIODIC
VERIFY MEMBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS	FIELD INSPECTION	PERIODIC
STRUCTURAL STEEL WELDING:		
A. INSPECTION TASKS PRIOR TO WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-1)	SHOP AND FIELD INSPECTION	OBSERVE OR PERFORM AS NOTED
B. INSPECTION TASKS DURING WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-2)	SHOP AND FIELD INSPECTION	OBSERVE
C. INSPECTION TASKS AFTER WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-3)	SHOP AND FIELD INSPECTION	OBSERVE OR PERFORM AS NOTED
D. NONDESTRUCTIVE TESTING (NDT) OF WELDED JOINTS		
1) COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY III OR IV	SHOP OR FIELD ULTRASONIC TESTING - 100%	PERIODIC
2) COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY II	SHOP OR FIELD ULTRASONIC TESTING - 10% OF WELDS MINIMUM	PERIODIC
3) THERMALLY CUT SURFACES OF ACCESS HOLES WHEN MATERIAL t > 2"	SHOP OR FIELD MAGNETIC PARTICAL OR PENETRANT TESTING	PERIODIC
4) WELDED JOINTS SUBJECT TO FATIGUE WHEN REQUIRED BY AISC 360, APPENDIX 3, TABLE A-3.1	SHOP OR FIELD RADIOGRAPHIC OR ULTRASONIC TESTING	PERIODIC
5) FABRICATOR'S NDT REPORTS WHEN FABRICATOR PERFORMS NDT	VERIFY REPORTS	EACH SUBMITTAL
STRUCTURAL STEEL BOLTING:	SHOP AND FIELD INSPECTION	
A. INSPECTION TASKS PRIOR TO BOLTING (OBSERVE, OR PERFORM TASKS FOR EACH BOLTED CONNECTION, IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-1)		OBSERVE OR PERFORM AS NOTED
B. INSPECTION TASKS DURING BOLTING (OBSERVE, THE QA TASKS LISTED IN AISC 360, TABLE N5.6-2)		OBSERVE
1) PRE-TENSIONED AND SLIP-CRITICAL JOINTS		
a) TURN-OF-NUT WITH MATCHING MARKINGS.		PERIODIC
b) DIRECT TENSION INDICATOR		PERIODIC
c) TWIST-OFF TYPE TENSION CONTROL BOLT		PERIODIC
d) TURN-OF-NUT WITHOUT MATCHING MARKINGS		CONTINUOUS
e) CALIBRATED WRENCH		CONTINUOUS
2) SNUG-TIGHT JOINTS		PERIODIC
C. INSPECTION TASKS AFTER BOLTING (PERFORM TASKS FOR EACH BOLTED CONNECTION, IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-3)		PERFORM
INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N6.1	SHOP AND FIELD INSPECTION AND TESTING	OBSERVE OR PERFORM AS NOTED

1705.2.2 STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL

MATERIAL/ACTIVITY	SERVICE	EXTENT
MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK:		
A. IDENTIFICATION MARKINGS	FIELD INSPECTION	PERIODIC
B. MANUFACTURER'S CERTIFIED TEST REPORTS	SUBMITTAL REVIEW	EACH SUBMITTAL
CONNECTION OF COLD-FORMED STEEL DECK TO SUPPORTING STRUCTURE:		
A. WELDING	SHOP AND FIELD INSPECTION	PERIODIC
B. OTHER FASTENERS (IN ACCORDANCE WITH AISC 360, SECTION N6)		
1) VERIFY FASTENERS ARE IN CONFORMANCE WITH APPROVED SUBMITTAL		PERIODIC
2) VERIFY FASTENER INSTALLATION IS IN CONFORMANCE WITH APPROVED SUBMITTAL AND MANUFACTURER'S RECOMMENDATIONS		PERIODIC

REINFORCING STEEL:	SHOP AND FIELD INSPECTION	
A. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL CONCRETE STRUCTURAL WALLS AND SHEAR REINFORCEMENT		CONTINUOUS
C. SHEAR REINFORCEMENT		CONTINUOUS
D. OTHER REINFORCING STEEL		PERIODIC

1705.3 CONCRETE CONSTRUCTION

MATERIAL/ACTIVITY	SERVICE	EXTENT
INSPECTION OF REINFORCING STEEL INSTALLATION	SHOP AND FIELD INSPECTION	PERIODIC
INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED PER SECTION 1908.5 OR WHERE STRENGTH DESIGN IS USED	SHOP AND FIELD INSPECTION	PERIODIC
INSPECTION OF ANCHORS AND REINFORCING STEEL POST-INSTALLED IN HARDENED CONCRETE: PER RESEARCH REPORTS INCLUDING VERIFICATION OF ANCHOR TYPE, ANCHOR DIMENSIONS, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, ANCHOR SPACING, EDGE DISTANCES, CONCRETE MINIMUM THICKNESS, ANCHOR EMBEDMENT AND TIGHTENING TORQUE	FIELD INSPECTION	PERIODIC OR AS REQ'D BY THE RESEARCH REPORT ISSUED BY AN APPROVED SOURCE
VERIFY USE OF APPROVED DESIGN MIX	SHOP AND FIELD INSPECTION	PERIODIC
FRESH CONCRETE SAMPLING, PERFORM SLUMP AND AIR CONTENT TESTS AND DETERMINE TEMPERATURE OF CONCRETE	SHOP AND FIELD INSPECTION	CONTINUOUS
INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	SHOP AND FIELD INSPECTION	CONTINUOUS
INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	SHOP AND FIELD INSPECTION	PERIODIC
INSPECTION OF FORMWORK FOR SHAPE, LINES, LOCATION AND DIMENSIONS	FIELD INSPECTION	PERIODIC
CONCRETE STRENGTH TESTING AND VERIFICATION OF COMPLIANCE WITH CONSTRUCTION DOCUMENTS	FIELD TESTING AND REVIEW OF LABORATORY REPORTS	PERIODIC

1705.4 MASONRY CONSTRUCTION

MATERIAL/ACTIVITY	SERVICE	EXTENT
(A) LEVEL A, B AND C QUALITY ASSURANCE:		
1) VERIFY COMPLIANCE WITH APPROVED SUBMITTALS	FIELD INSPECTION	PERIODIC
(B) LEVEL B QUALITY ASSURANCE:		
1) VERIFICATION OF f'm AND f'aac PRIOR TO CONSTRUCTION	TESTING BY UNIT STRENGTH METHOD OR PRISM TEST METHOD	PERIODIC
(C) LEVEL C QUALITY ASSURANCE:		
1) VERIFICATION OF f'm AND f'aac PRIOR TO CONSTRUCTION AND FOR EVERY 5,000 SF DURING CONSTRUCTION	TESTING BY UNIT STRENGTH METHOD OR PRISM TEST METHOD	PERIODIC
2) VERIFICATION OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR, PRE-STRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT, AS DELIVERED TO THE PROJECT SITE	FIELD INSPECTION	CONTINUOUS
3) VERIFY PLACEMENT OF MASONRY UNITS	FIELD INSPECTION	PERIODIC
(D) LEVELS B AND C QUALITY ASSURANCE:		
1) VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) OF SELF-CONSOLIDATING GROUT AS DELIVERED TO THE PROJECT	FIELD TESTING	CONTINUOUS
2) VERIFY COMPLIANCE WITH APPROVED SUBMITTALS	FIELD INSPECTION	PERIODIC
3) VERIFY PROPORTIONS OF SITE-MIXED MORTAR, GROUT AND PRE-STRESSING GROUT FOR BONDED TENDONS	FIELD INSPECTION	PERIODIC
4) VERIFY GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRE-STRESSING TENDONS AND ANCHORAGES	FIELD INSPECTION	PERIODIC
5) VERIFY CONSTRUCTION OF MORTAR JOINTS	FIELD INSPECTION	PERIODIC
6) VERIFY PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRE-STRESSING TENDONS AND ANCHORAGES	FIELD INSPECTION	LEVEL B - PERIODIC LEVEL C - CONTINUOUS
7) VERIFY GROUT SPACE PRIOR TO GROUTING	FIELD INSPECTION	LEVEL B - PERIODIC LEVEL C - CONTINUOUS
8) VERIFY PLACEMENT OF GROUT AND PRE-STRESSING GROUT FOR BONDED TENDONS	FIELD INSPECTION	CONTINUOUS
9) VERIFY SIZE AND LOCATION OF STRUCTURAL MASONRY ELEMENTS	FIELD INSPECTION	PERIODIC
10) VERIFY TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.	FIELD INSPECTION	LEVEL B - PERIODIC LEVEL C - CONTINUOUS
11) VERIFY WELDING OF REINFORCEMENT (SEE 1705.2.2)	FIELD INSPECTION	CONTINUOUS
12) VERIFY PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)	FIELD INSPECTION	PERIODIC
13) VERIFY APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	FIELD INSPECTION	CONTINUOUS
14) VERIFY PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS (FIRST 5000 SF OF AAC MASONRY)	FIELD INSPECTION	CONTINUOUS
15) VERIFY PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS (AFTER THE FIRST 5000 SF OF AAC MASONRY)	FIELD INSPECTION	LEVEL B - PERIODIC LEVEL C - CONTINUOUS
16) VERIFY PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY (FIRST 5000 SF OF AAC MASONRY)	FIELD INSPECTION	CONTINUOUS
17) VERIFY PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY (AFTER THE FIRST 5000 SF OF AAC MASONRY)	FIELD INSPECTION	LEVEL B - PERIODIC LEVEL C - CONTINUOUS
18) PREPARE GROUT AND MORTAR SPECIMENS	FIELD TESTING	LEVEL B - PERIODIC LEVEL C - CONTINUOUS
19) OBSERVE PREPARATION OF PRISMS	FIELD INSPECTION	LEVEL B - PERIODIC LEVEL C - CONTINUOUS

1705.6 SOILS (STRUCTURAL) SEE CIVIL FOR MASS GRADING AND OUTSIDE BLDG LIMITS

MATERIAL/ACTIVITY	SERVICE	EXTENT
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	FIELD INSPECTION	PERIODIC
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	FIELD INSPECTION	PERIODIC
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	FIELD INSPECTION	PERIODIC
VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	FIELD INSPECTION	CONTINUOUS
PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	FIELD INSPECTION	PERIODIC

1705.10.2 COLD-FORMED STEEL SPECIAL INSPECTIONS FOR WIND RESISTANCE

MATERIAL/ACTIVITY	SERVICE	EXTENT
INSPECTION DURING WELDING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM	SHOP AND FIELD INSPECTION	PERIODIC
INSPECTIONS FOR SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE MAIN WINDFORCE-RESISTING SYSTEM	SHOP AND FIELD INSPECTION	PERIODIC

1705.10.3 WIND-RESISTING COMPONENTS

MATERIAL/ACTIVITY	SERVICE	EXTENT
ROOF CLADDING	SHOP AND FIELD INSPECTION	PERIODIC
WALL CLADDING	SHOP AND FIELD INSPECTION	PERIODIC

1705.11 SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE - DEFINED ARCH/MECH/ELEC

MATERIAL/ACTIVITY	SERVICE	EXTENT
1705.11.1 STRUCTURAL STEEL		
INSPECTION OF STRUCTURAL STEEL IN ACCORDANCE WITH AISC 341	SHOP AND FIELD INSPECTION	IN ACCORDANCE w/ AISC 341
1705.11.3 COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION		
INSPECTION DURING WELDING OPERATIONS OF ELEMENTS OF THE SEISMIC-FORCE RESISTING SYSTEM	SHOP AND FIELD INSPECTION	PERIODIC
INSPECTIONS FOR SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC-FORCE-RESISTING SYSTEM	SHOP AND FIELD INSPECTION	PERIODIC
1705.11.4 DESIGNATED SEISMIC SYSTEMS VERIFICATION		
INSPECT AND VERIFY THAT THE COMPONENT LABEL, ANCHORAGE OR MOUNTING CONFORMS TO THE CERTIFICATE OF COMPLIANCE IN ACCORDANCE WITH SECTION 1705.12.3	FIELD INSPECTION	PERIODIC
1705.11.5 ARCHITECTURAL COMPONENTS		
INSPECTION DURING THE ERECTION AND FASTENING OF EXTERIOR CLADDING AND INTERIOR AND EXTERIOR VENEER	FIELD INSPECTION	PERIODIC
INSPECTION DURING THE ERECTION AND FASTENING OF INTERIOR AND EXTERIOR NON-LOAD BEARING WALLS	FIELD INSPECTION	PERIODIC
INSPECTION DURING ANCHORAGE OF ACCESS FLOORS	FIELD INSPECTION	PERIODIC
1705.11.6 MECHANICAL AND ELECTRICAL COMPONENTS		
INSPECTION DURING THE ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEMS	FIELD INSPECTION	PERIODIC
INSPECTION DURING ANCHORAGE OF OTHER ELECTRICAL EQUIPMENT	FIELD INSPECTION	PERIODIC
INSPECTION DURING INSTALLATION AND ANCHORAGE OF PIPING SYSTEMS DESIGNED TO CARRY HAZARDOUS MATERIALS, AND THEIR ASSOCIATED MECHANICAL UNITS	FIELD INSPECTION	PERIODIC
INSPECTION DURING THE INSTALLATION AND ANCHORAGE OF HVAC DUCTWORK THAT WILL CONTAIN HAZARDOUS MATERIALS	FIELD INSPECTION	PERIODIC
INSPECTION DURING INSTALLATION AND ANCHORAGE OF VIBRATION ISOLATION SYSTEMS	FIELD INSPECTION	PERIODIC
1705.11.7 STORAGE RACKS		
INSPECTION DURING THE ANCHORAGE OF STORAGE RACKS 8 FEET OR GREATER IN HEIGHT	FIELD INSPECTION	PERIODIC

1705.12 TESTING AND QUALIFICATION FOR SEISMIC RESISTANCE

MATERIAL/ACTIVITY	SERVICE	EXTENT
1705.12.1 CONCRETE REINFORCEMENT		
REVIEW CERTIFIED MILL TEST REPORTS FOR EACH SHIPMENT OF REINFORCEMENT USED TO RESIST EARTHQUAKE-INDUCED FLEXURAL AND AXIAL FORCES IN REINFORCED CONCRETE SPECIAL MOMENT FRAMES, SPECIAL STRUCTURAL WALLS, AND COUPLING BEAMS CONNECTING SPECIAL STRUCTURAL WALLS	REVIEW CERTIFIED MILL TEST REPORTS	EACH SHIPMENT
VERIFY REINFORCEMENT WELDABILITY OF ASTM A615 REINFORCEMENT USED TO RESIST EARTHQUAKE-INDUCED FLEXURAL AND AXIAL FORCES IN REINFORCED CONCRETE SPECIAL MOMENT FRAMES, SPECIAL STRUCTURAL WALLS, AND COUPLING BEAMS CONNECTING SPECIAL STRUCTURAL WALLS	REVIEW TEST REPORTS	EACH SHIPMENT
1705.12.2 STRUCTURAL STEEL		
TEST IN ACCORDANCE WITH THE QUALITY ASSURANCE REQUIREMENTS OF AISC 341	SHOP AND FIELD TESTING	PER AISC 341
1705.12.3 SEISMIC CERTIFICATION OF NONSTRUCTURAL COMPONENTS		
REVIEW CERTIFICATE OF COMPLIANCE FOR DESIGNATED SEISMIC SYSTEM COMPONENTS	CERTIFICATE OF COMPLIANCE REVIEW	EACH SHIPMENT

1705.16 FIRE-RESISTANT PENETRATIONS AND JOINTS

MATERIAL/ACTIVITY	SERVICE	EXTENT
INSPECT PENETRATION FIRESTOP	FIELD TESTING	PER ASTM E2174
INSPECT FIRE-RESISTANT JOINT SYSTEMS	FIELD TESTING	PER ASTM E2393

1705.17 SMOKE CONTROL SYSTEMS

MATERIAL/ACTIVITY	SERVICE	EXTENT
LEAKAGE TESTING AND RECORDING OF DEVICE LOCATIONS PRIOR TO CONCEALMENT	FIELD TESTING	PERIODIC
PRIOR TO OCCUPANCY AND AFTER SUFFICIENT COMPLETION, PRESSURE DIFFERENCE TESTING, FLOW MEASUREMENTS, AND DETECTION AND CONTROL VERIFICATION	FIELD TESTING	PERIODIC

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535 TELFAIR STREET, AUGUSTA, GA 30901

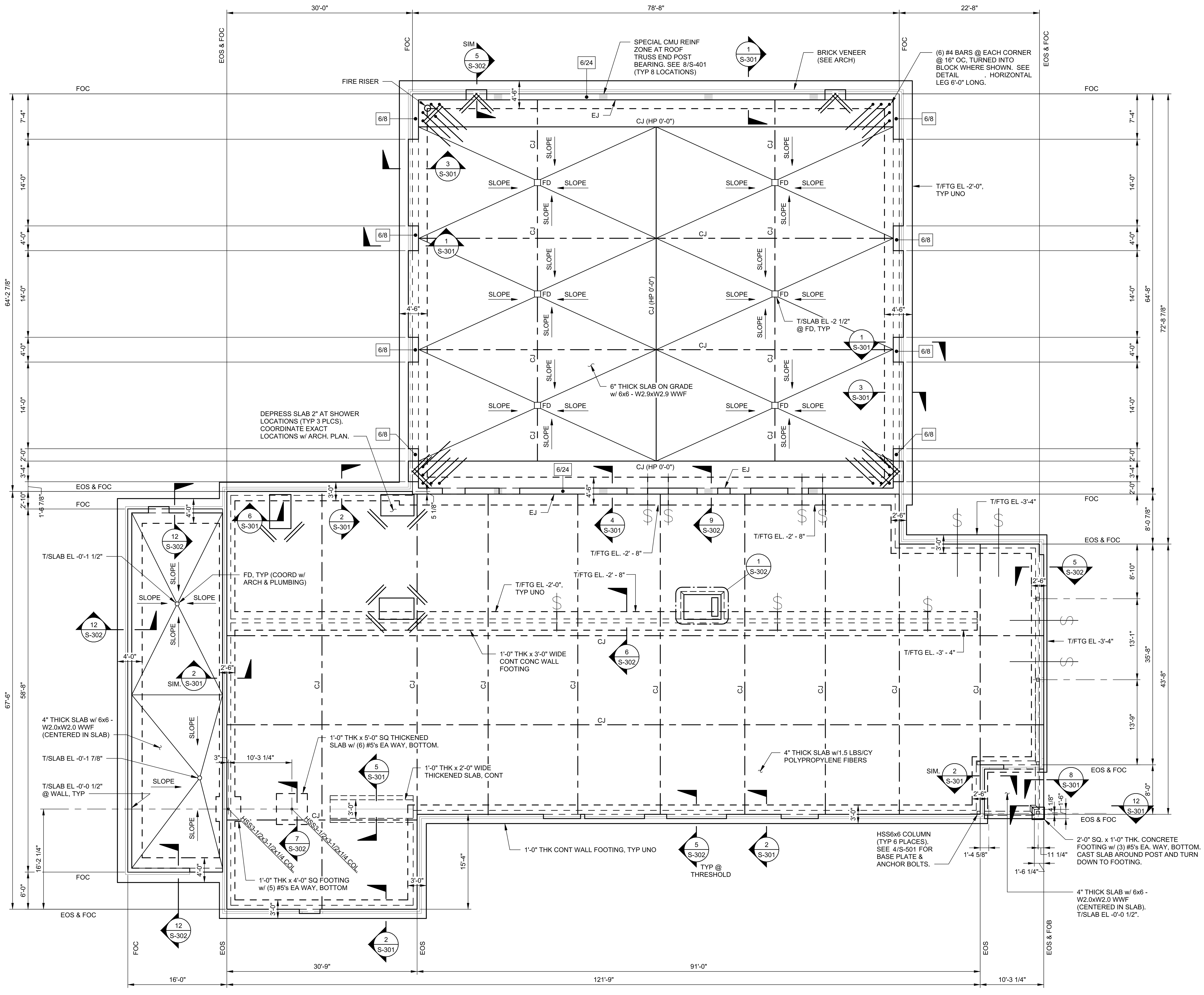
PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	EGW	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	CB / BLB
CHECKED BY:	MWL
DATE:	04/03/2024
SHEET TITLE:	SPECIAL INSPECTIONS
SCALE	AS NOTED
DRAWING NO.	S-002
REV.	A



1 S-101 FOUNDATION AND SLAB PLAN

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

LEGEND:

- CJ - CONTROL OR CONSTRUCTION JOINT (SEE SECT. 9/S-301 &10/S-301)
- EJ - 1/4" EXPANSION JOINT (SEE SECT. 7/S-301)
- FOOTING STEP (SEE DET. 11/S-301)
- 4/48 - DENOTES REBAR SIZE & SPACING. SEE PLAN
- 2 - #4's x 4'-0"Lg. (TYP UNO)
- TYP UNO - TYPICAL UNLESS NOTED OTHERWISE
- FD - FLOOR DRAIN. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.
- EOS - EDGE OF SLAB
- FOC - FACE OF CMU WALL / FOUNDATION WALL

0 1 2 4 8 16 24 FT.

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

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PROJECT NO.	3042.2403
DRAWN BY:	CB / BLB
CHECKED BY:	MWL
DATE:	04/03/2024

SHEET TITLE:

FOUNDATION AND SLAB PLAN

SCALE	AS NOTED
DRAWING NO.	S-101
REV.	A

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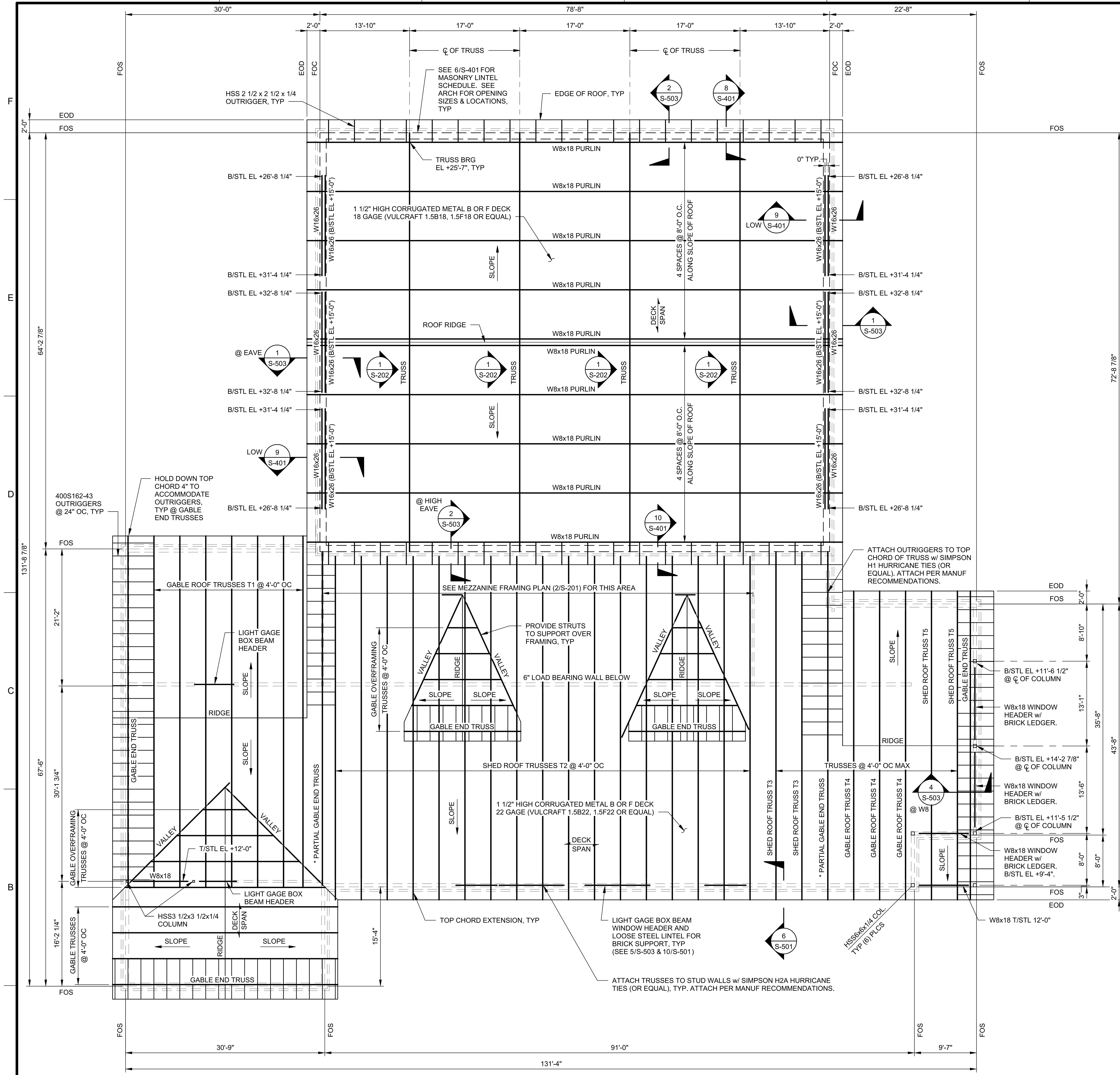


NOTE:
SEE S-401 FOR ADDITIONAL MASONRY DETAILS.

* ENGINEER GABLE END TRUSSES TO SUPPORT A 4" BRICK VENEER ABOVE THE LOW ROOF (200 PLF MAX).

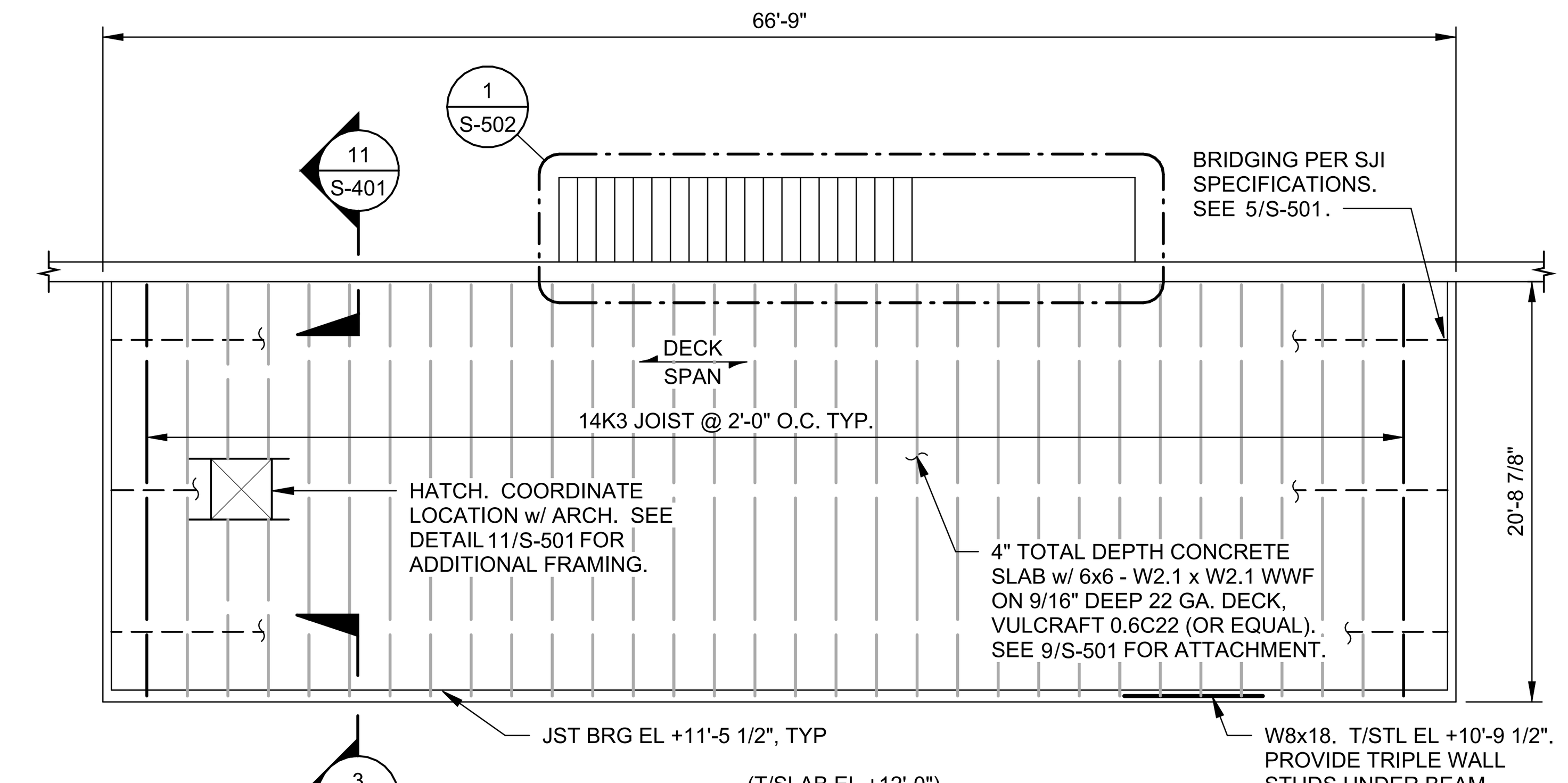
LEGEND:

FOS - FACE OF STUD

FOC - FACE OF CMU WALL

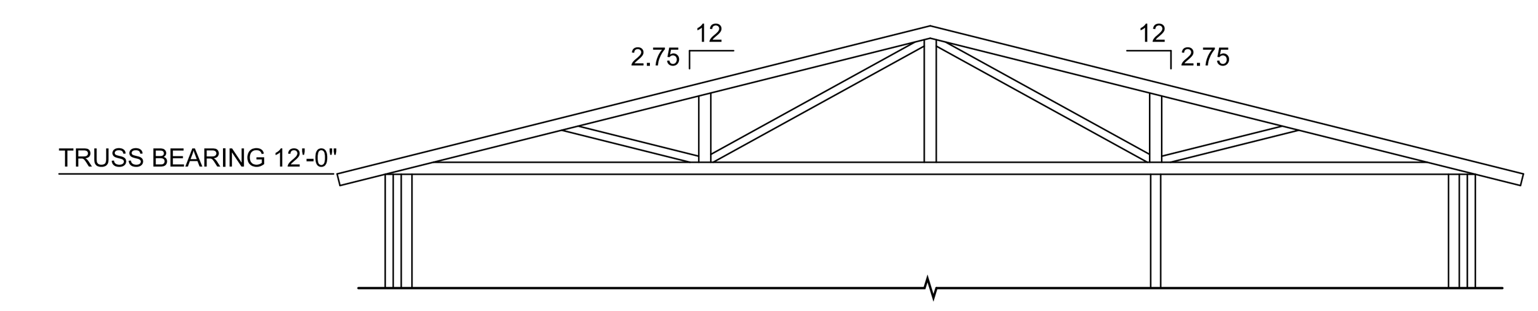
(REFERENCE FINISHED FLOOR EL 0'-0")

1 S-201 **ROOF FRAMING PLAN**
SCALE: 1/8" = 1'-0"

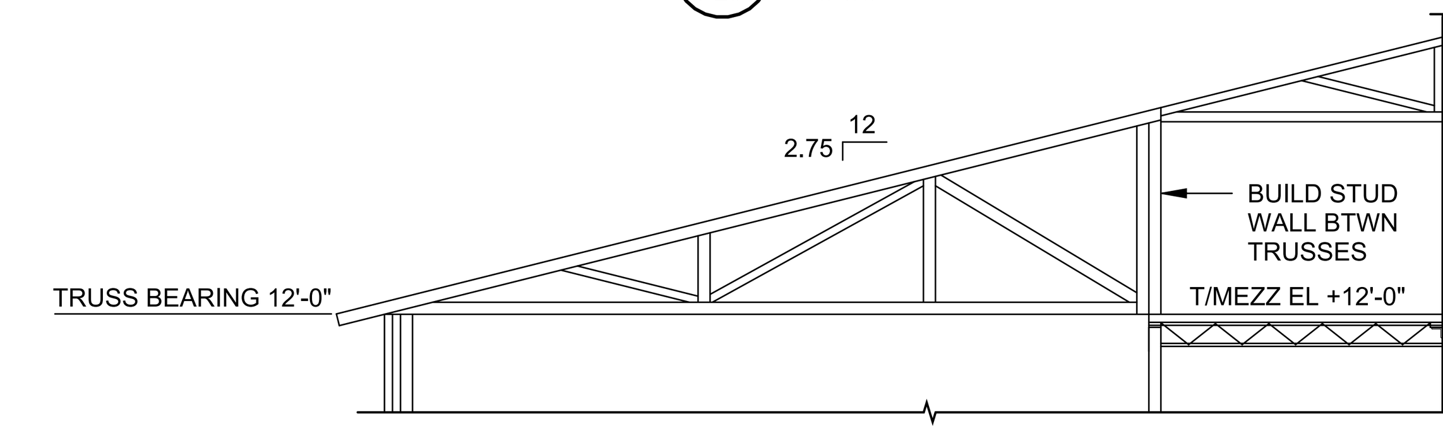


(T/SLAB EL +12'-0")

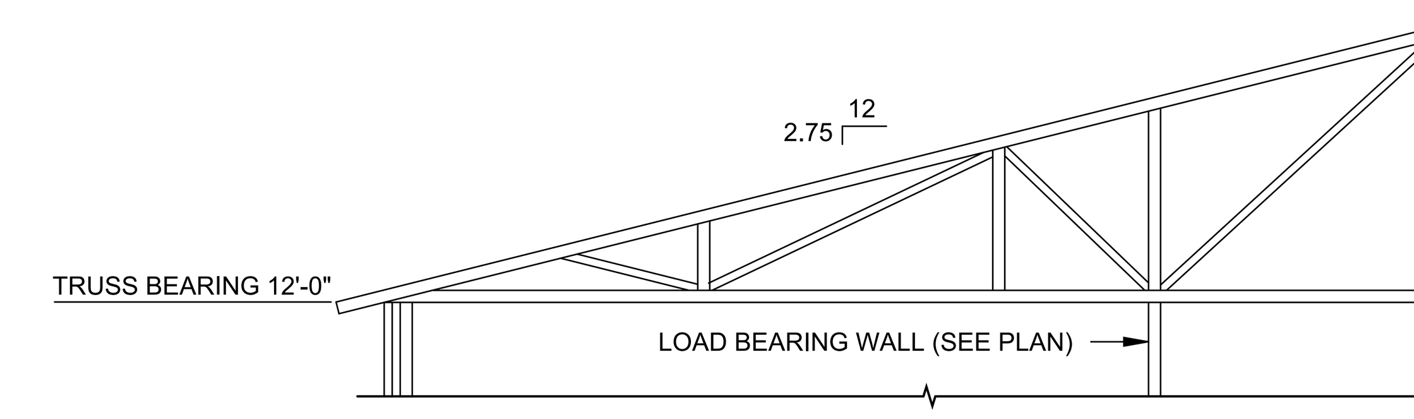
2 S-201 **MEZZANINE FRAMING PLAN**
SCALE: 1/8" = 1'-0"



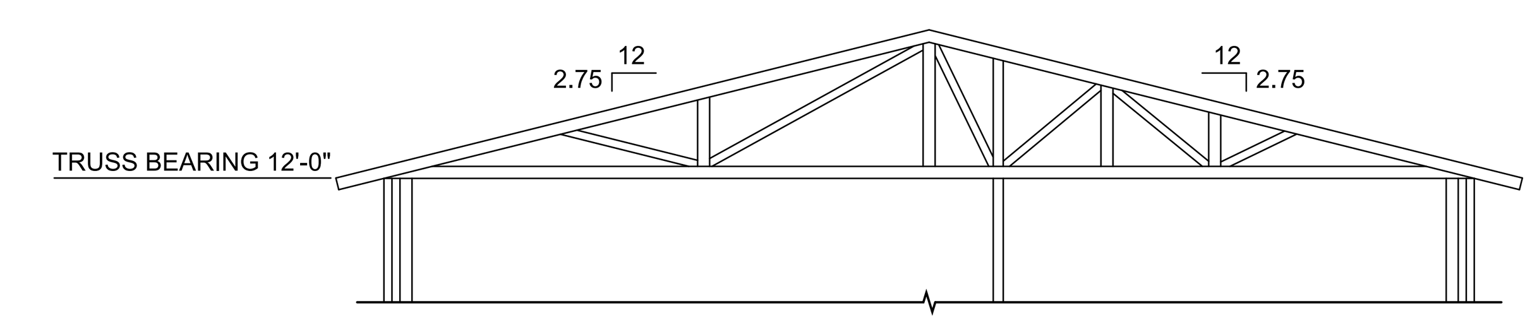
3 S-201 **T1 TRUSS**
NO SCALE



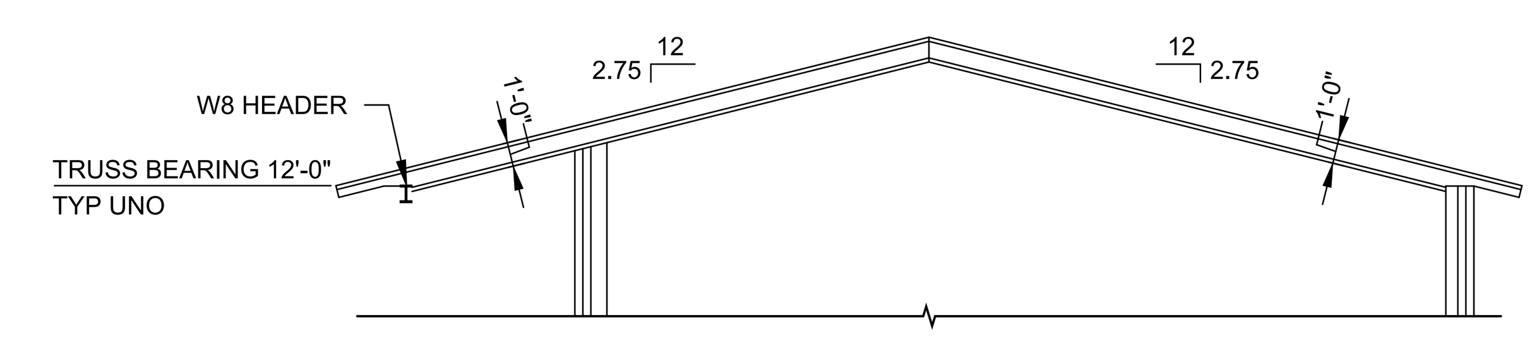
4 S-201 **T2 TRUSS**
NO SCALE



5 S-201 **T3 TRUSS**
NO SCALE



6 S-201 **T4 TRUSS**
NO SCALE



7 S-201 **T5 TRUSS**
NO SCALE

NOTE:
COORDINATE ALL TRUSSES WITH ARCHITECTURAL DRAWINGS.

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

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A	04/29/25	EGW	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
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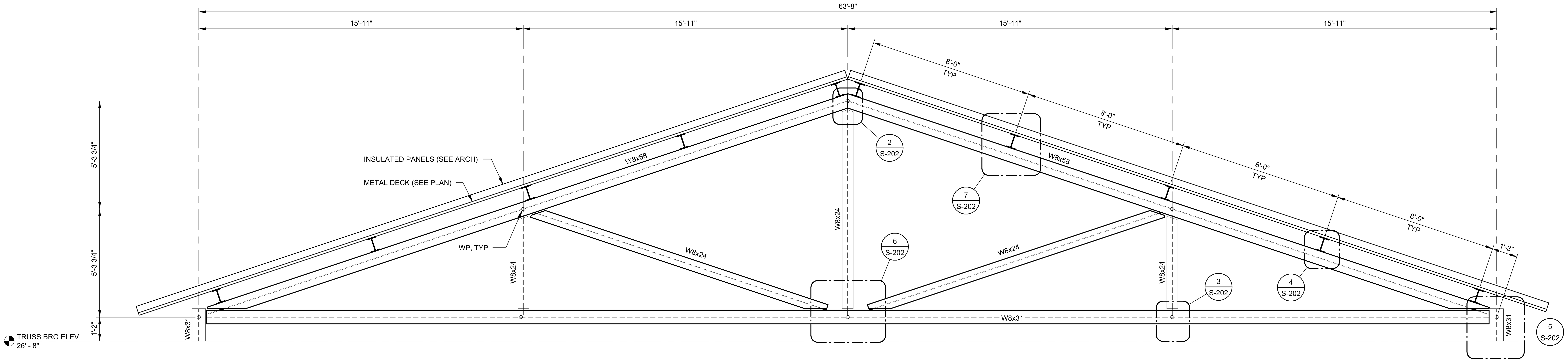
CHECKED BY:	MWL
DATE:	04/03/2024

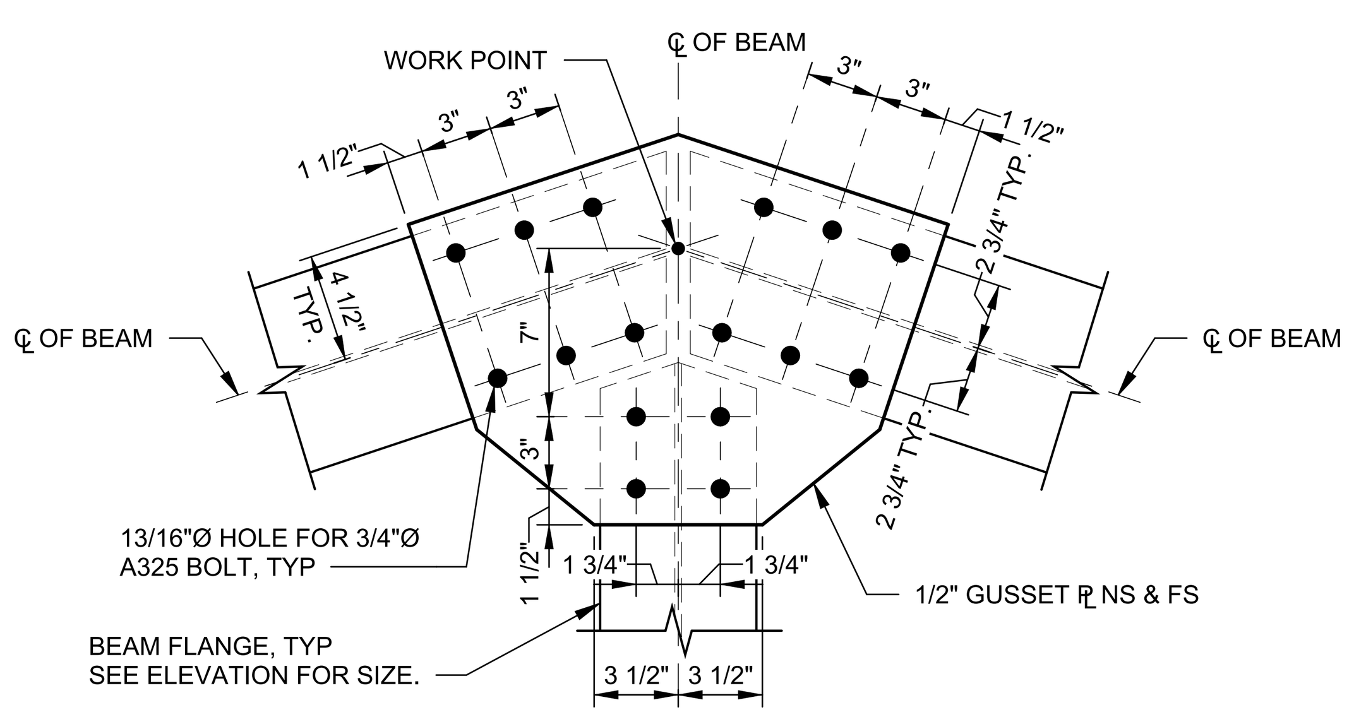
SHEET TITLE:
FRAMING PLANS

SCALE: AS NOTED

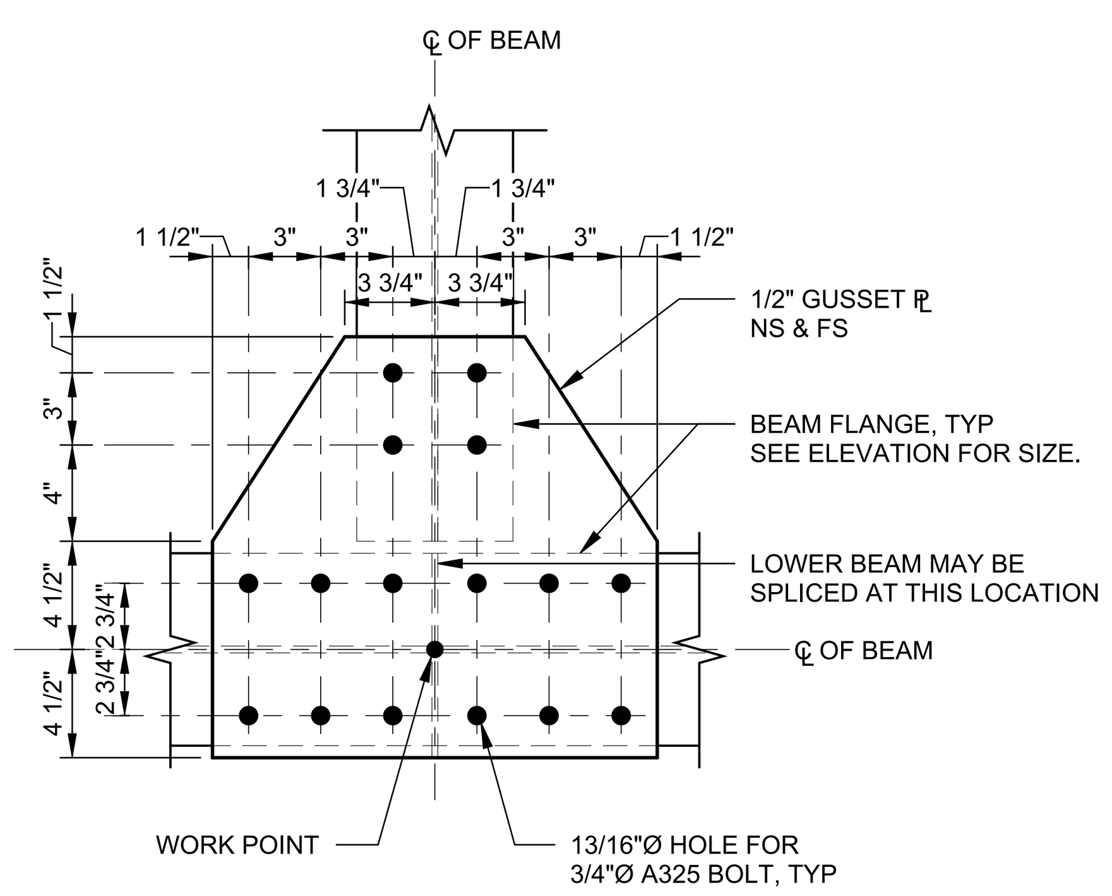
DRAWING NO.: **S-201** REV. **A**



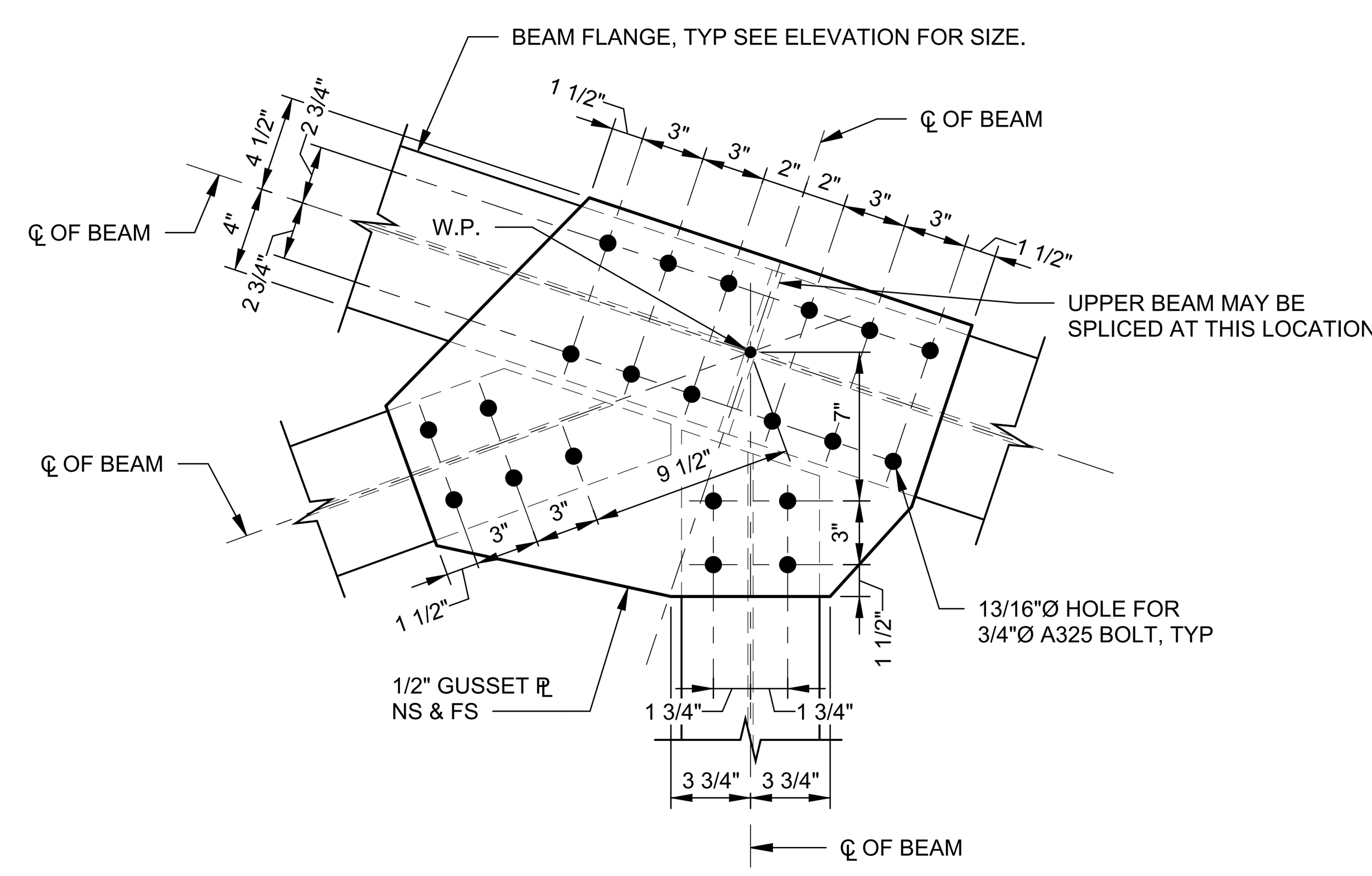
1 S-202 TRUSS ELEVATION
SCALE: 3/8" = 1'-0"



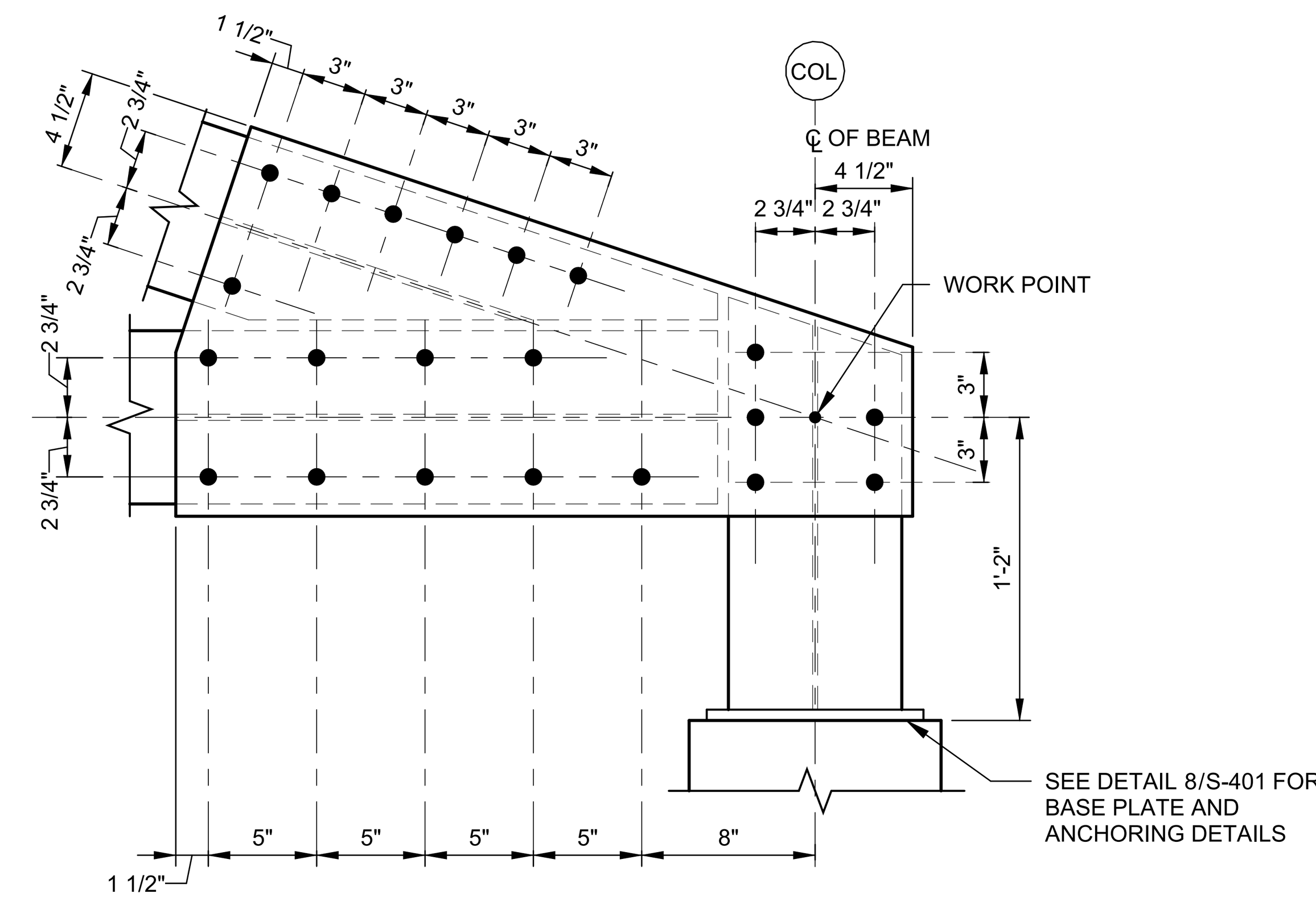
2 S-202 DETAIL
SCALE: 1 1/2" = 1'-0"



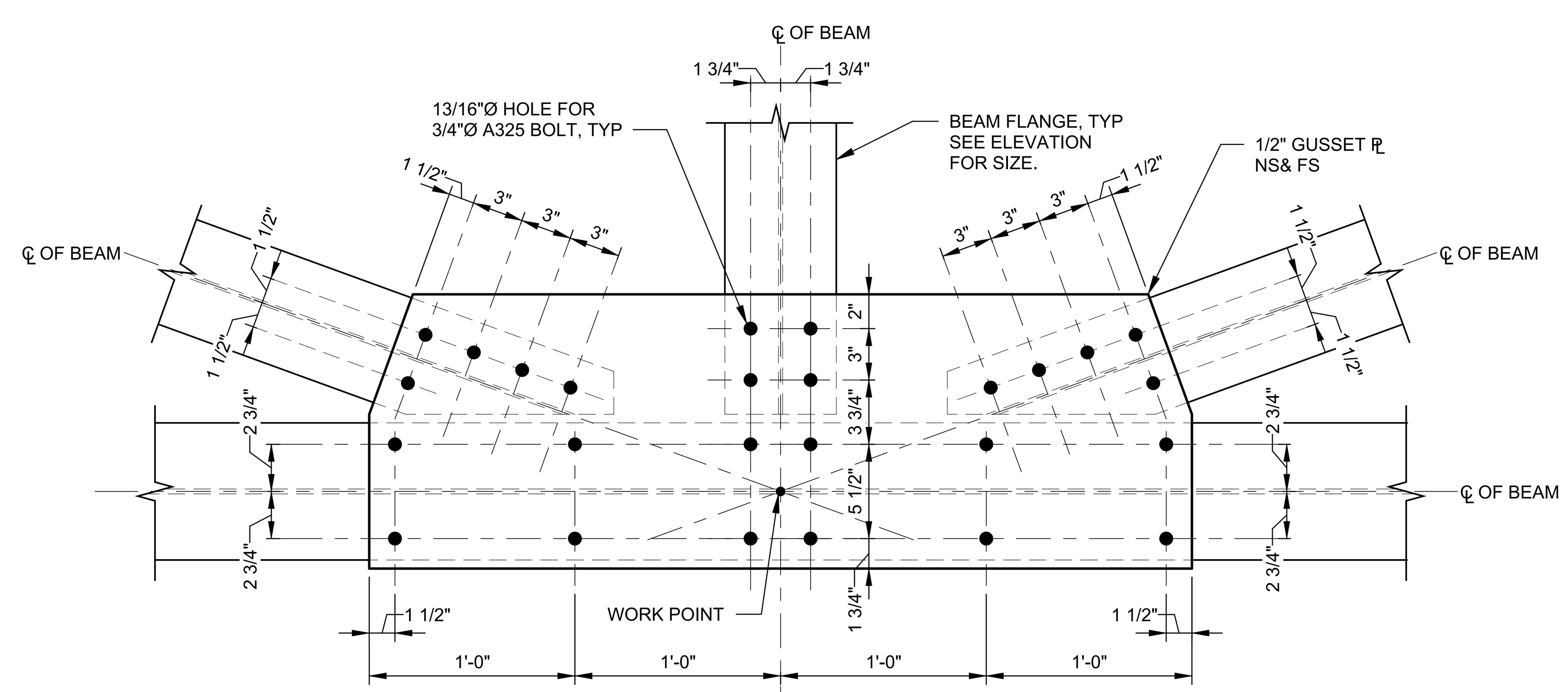
3 S-202 DETAIL
SCALE: 1 1/2" = 1'-0"



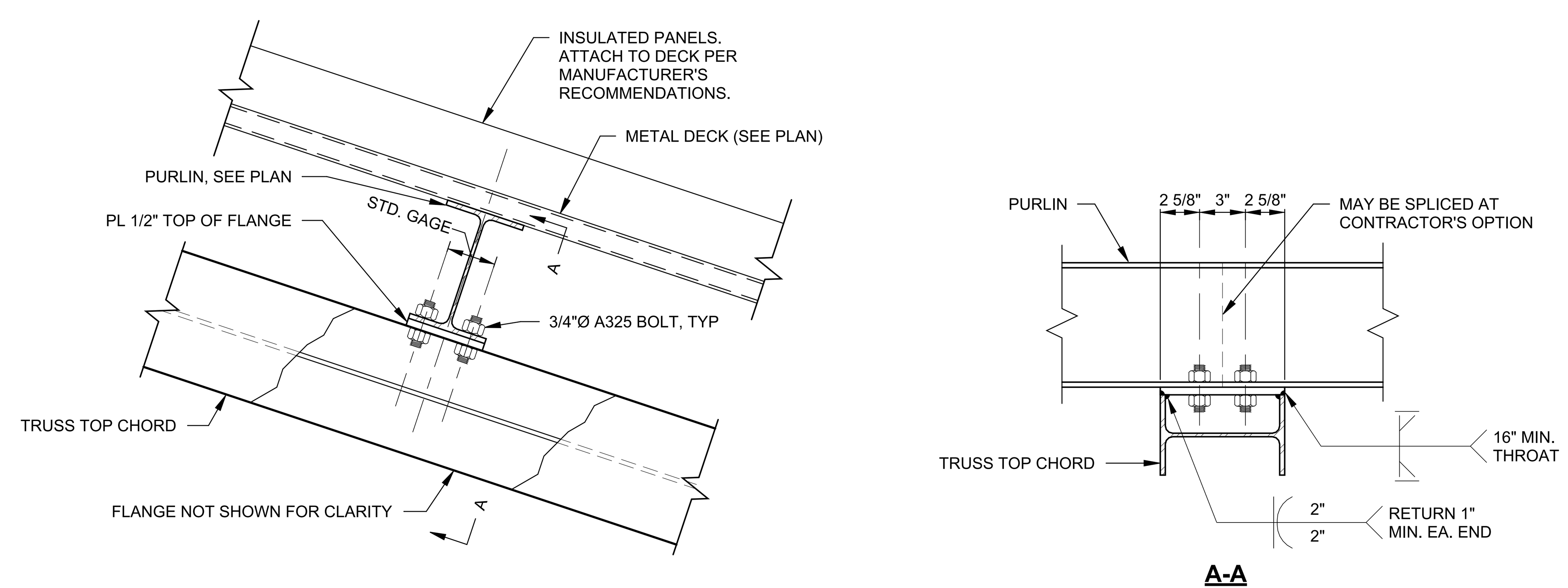
4 S-202 DETAIL
SCALE: 1 1/2" = 1'-0"



5 S-202 DETAIL
SCALE: 1 1/2" = 1'-0"



6 S-202 DETAIL
SCALE: 1 1/2" = 1'-0"



7 S-202 DETAIL
SCALE: 1 1/2" = 1'-0"

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PROJECT NAME:
FIRE STATION #3

PROJECT LOCATION:
2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. PEF000356
EXPIRATION DATE: JUNE 30, 2026
CERTIFICATE OF AUTHORIZATION

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A	04/29/25	EGW	ISSUED FOR BID/PERMIT

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DRAWN BY:	CB / BLB
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DATE:	04/03/2024

SHEET TITLE:
TRUSS ELEVATION AND DETAILS

SCALE: AS NOTED

DRAWING NO.: S-202 REV.: A

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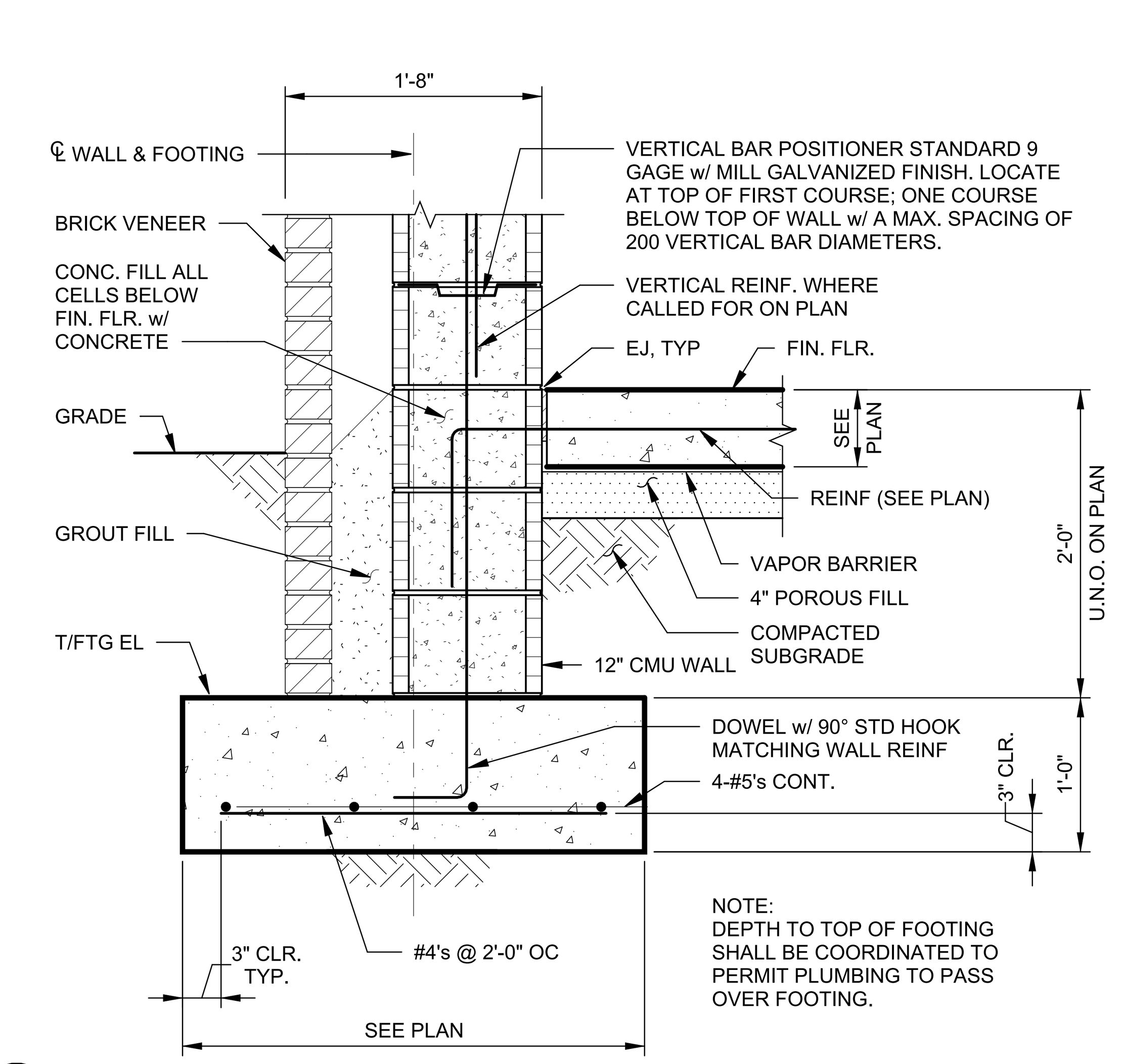
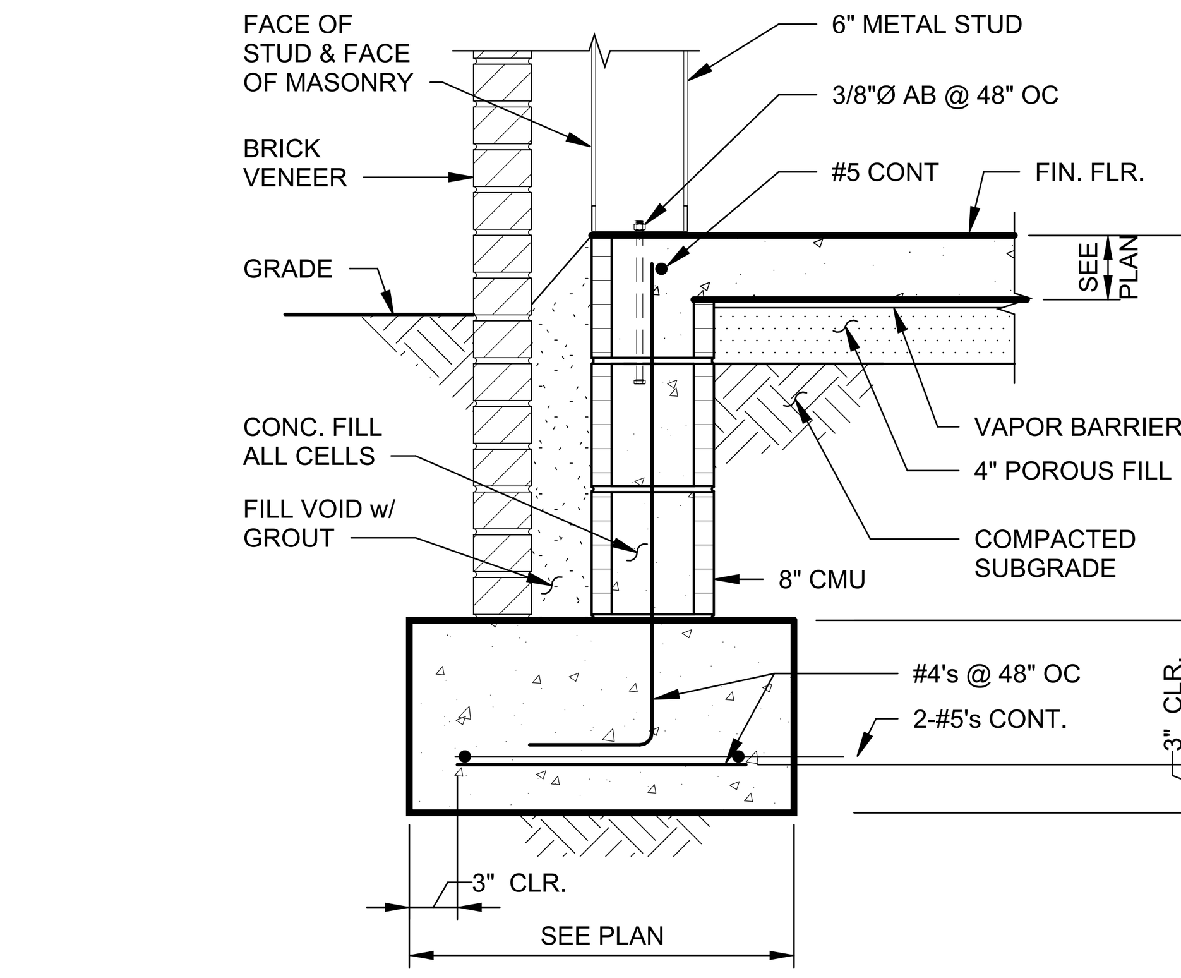
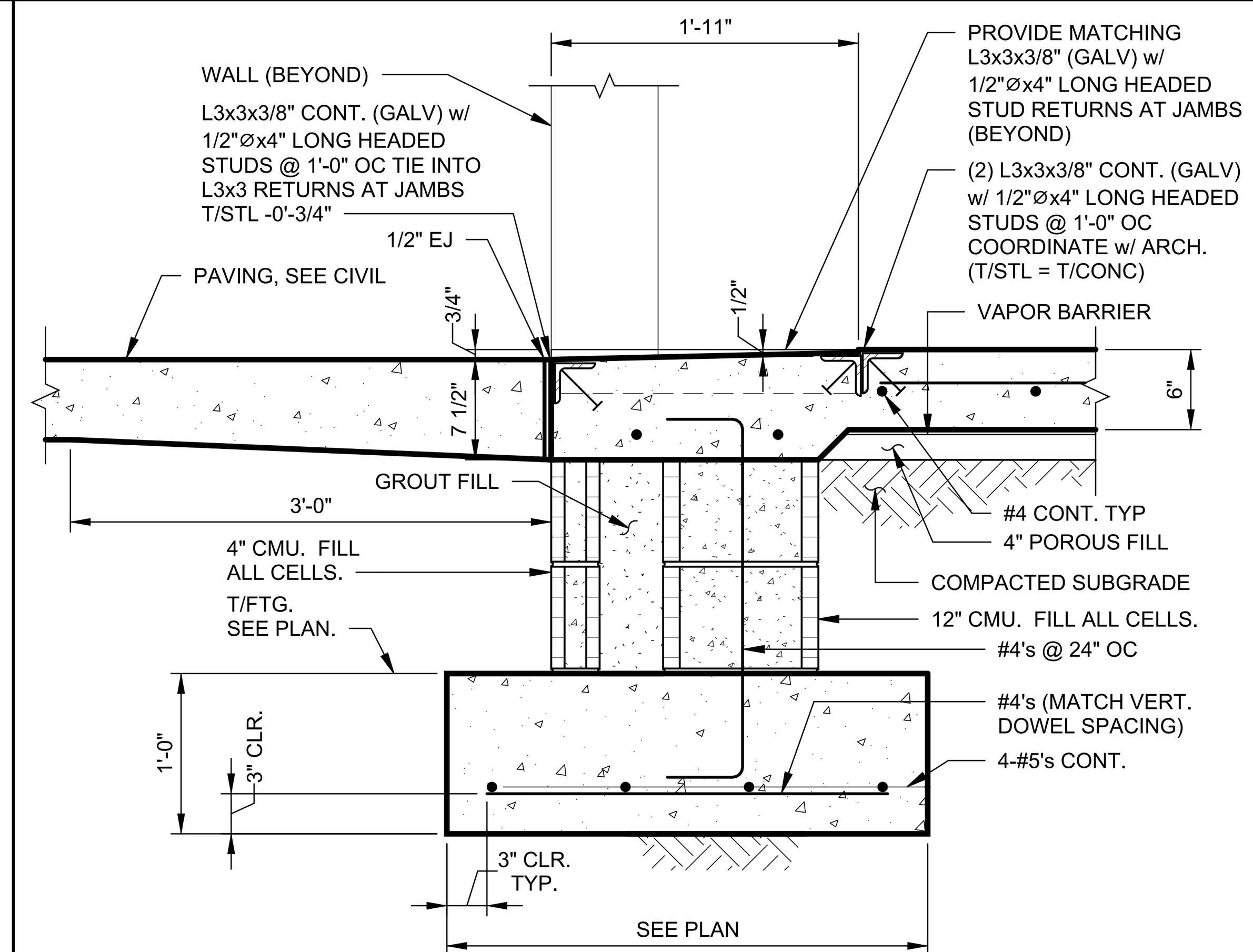


1 S-301 **SECTION**
SCALE: 1" = 1'-0"



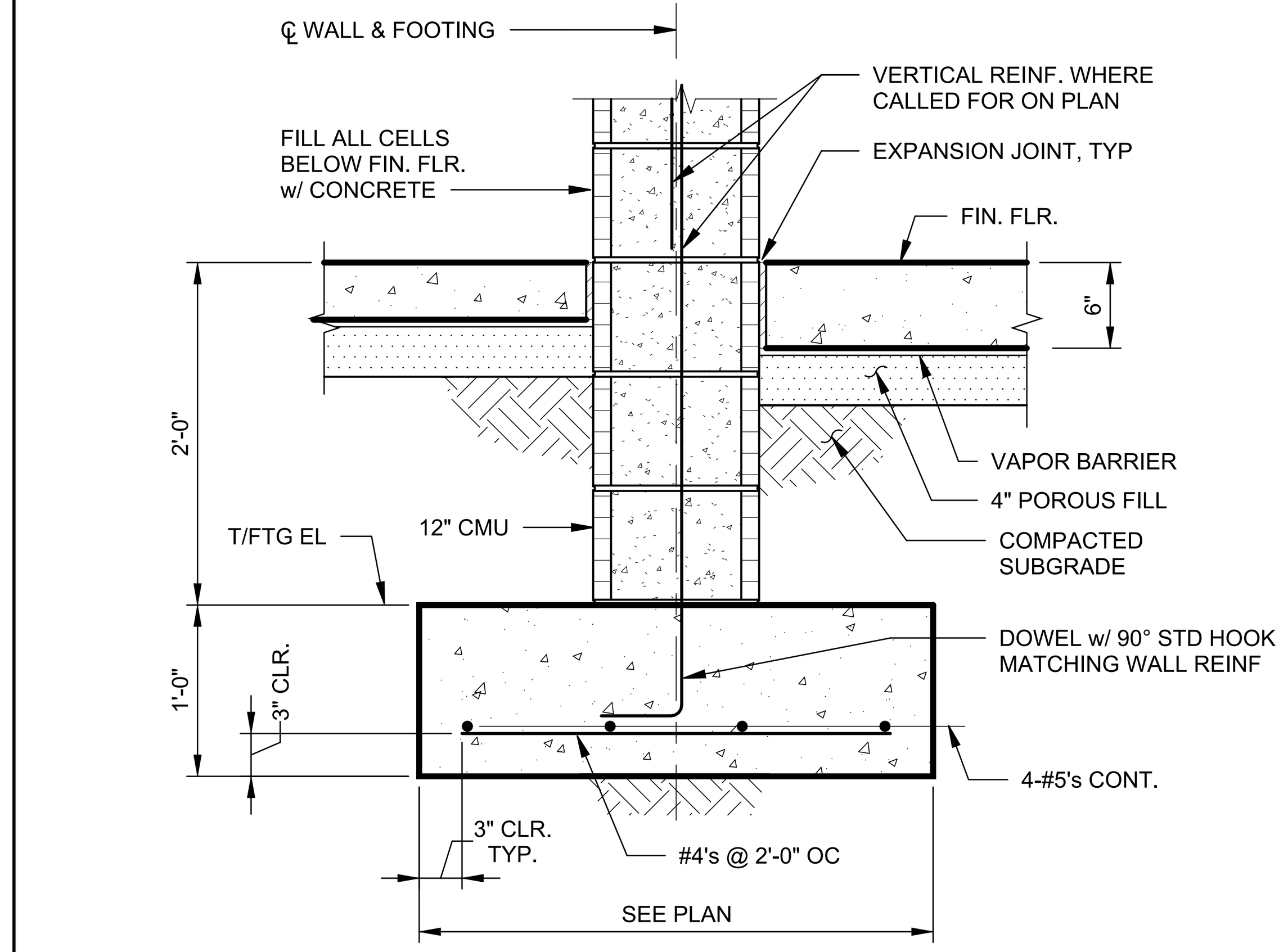
2 S-301 **SECTION**
SCALE: 1" = 1'-0"



A CONSTRUCTION JOINT RESULTS WHEN CONCRETE IS PLACED ON ONLY ONE SIDE OF THE JOINT TO END A DAY'S PLACEMENT OR TO ACCOMMODATE A DELAY IN PLACING SEQUENCE.

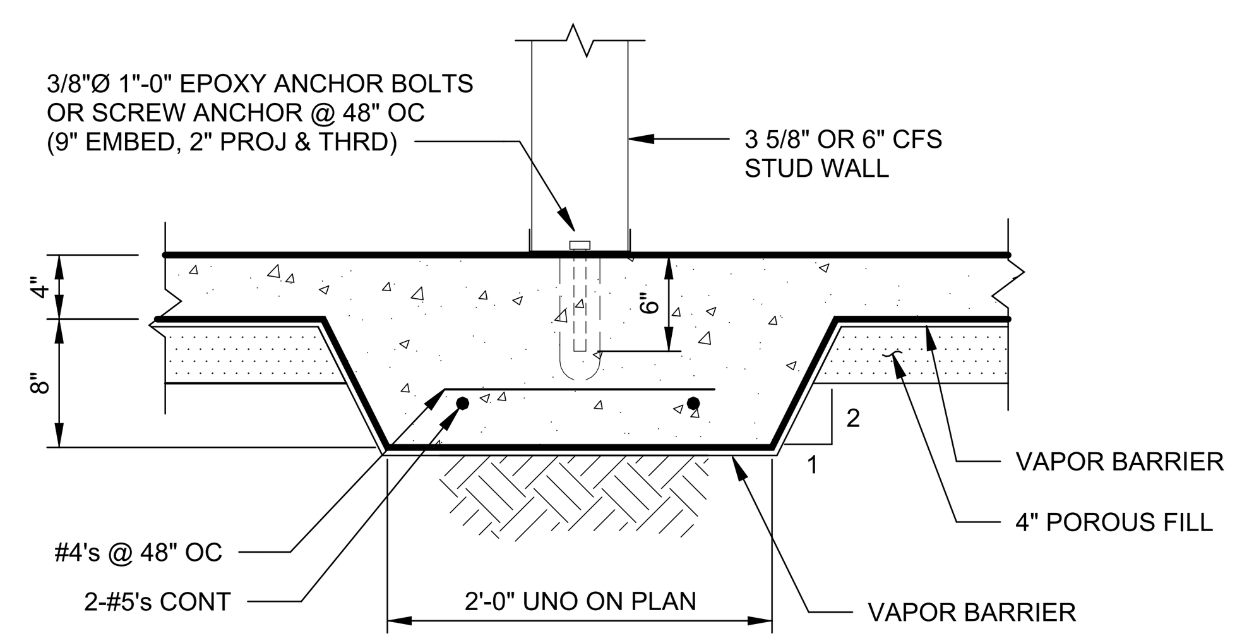
NOTE: DEPTH TO TOP OF FOOTING SHALL BE COORDINATED TO PERMIT PLUMBING TO PASS OVER FOOTING.

3 S-301 **SECTION**
SCALE: 1" = 1'-0"

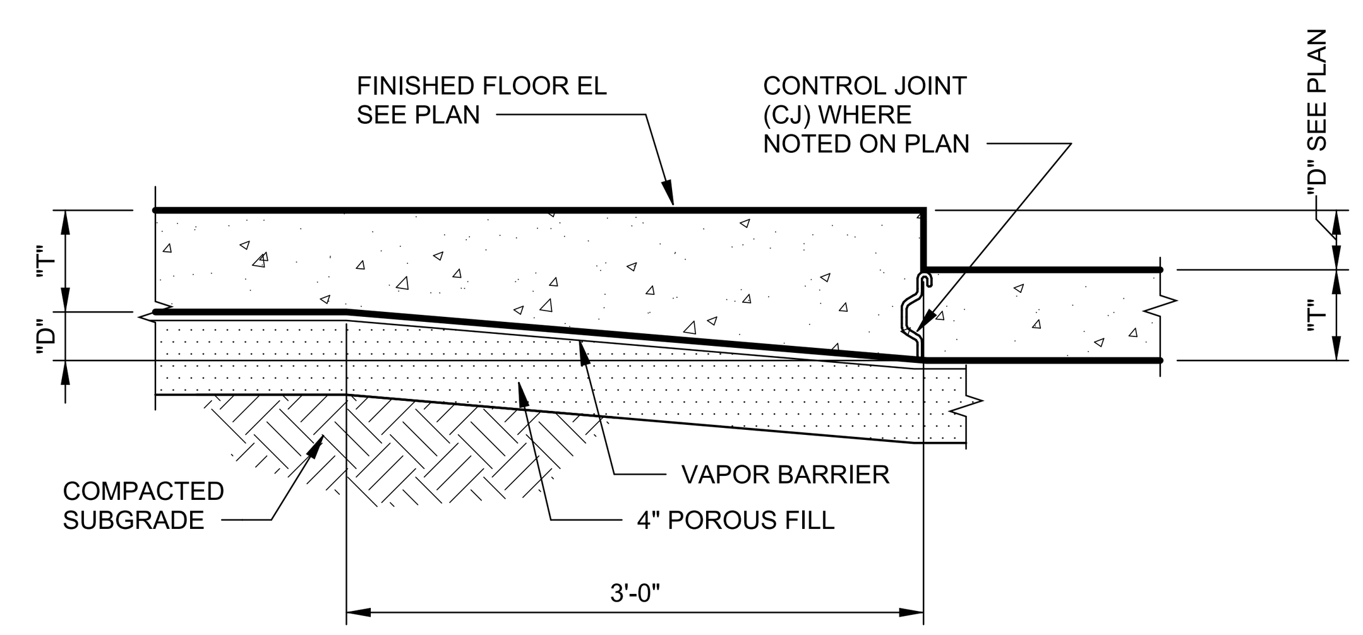


NOTE: DEPTH TO TOP OF FOOTING SHALL BE COORDINATED TO PERMIT PLUMBING TO PASS OVER FOOTING.

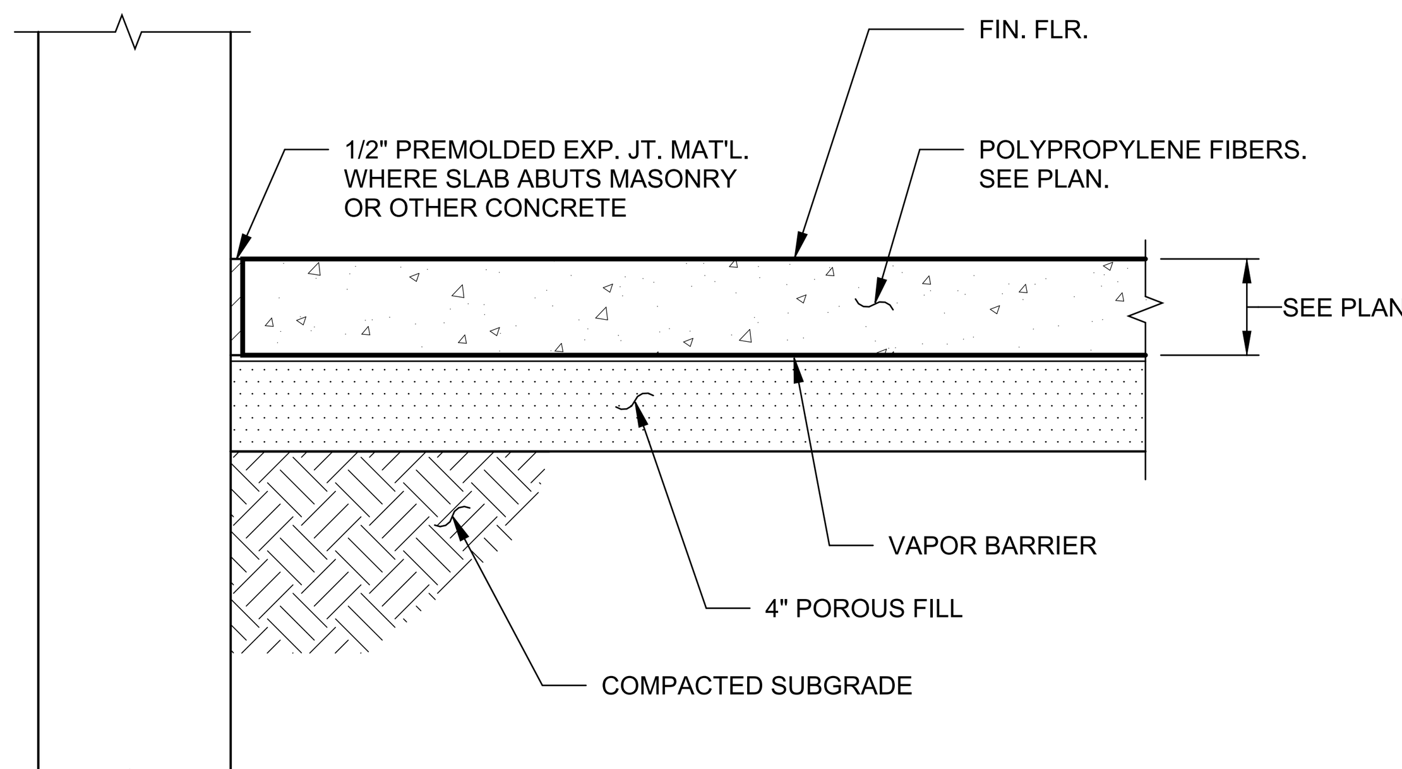
4 S-301 **SECTION**
SCALE: 1" = 1'-0"



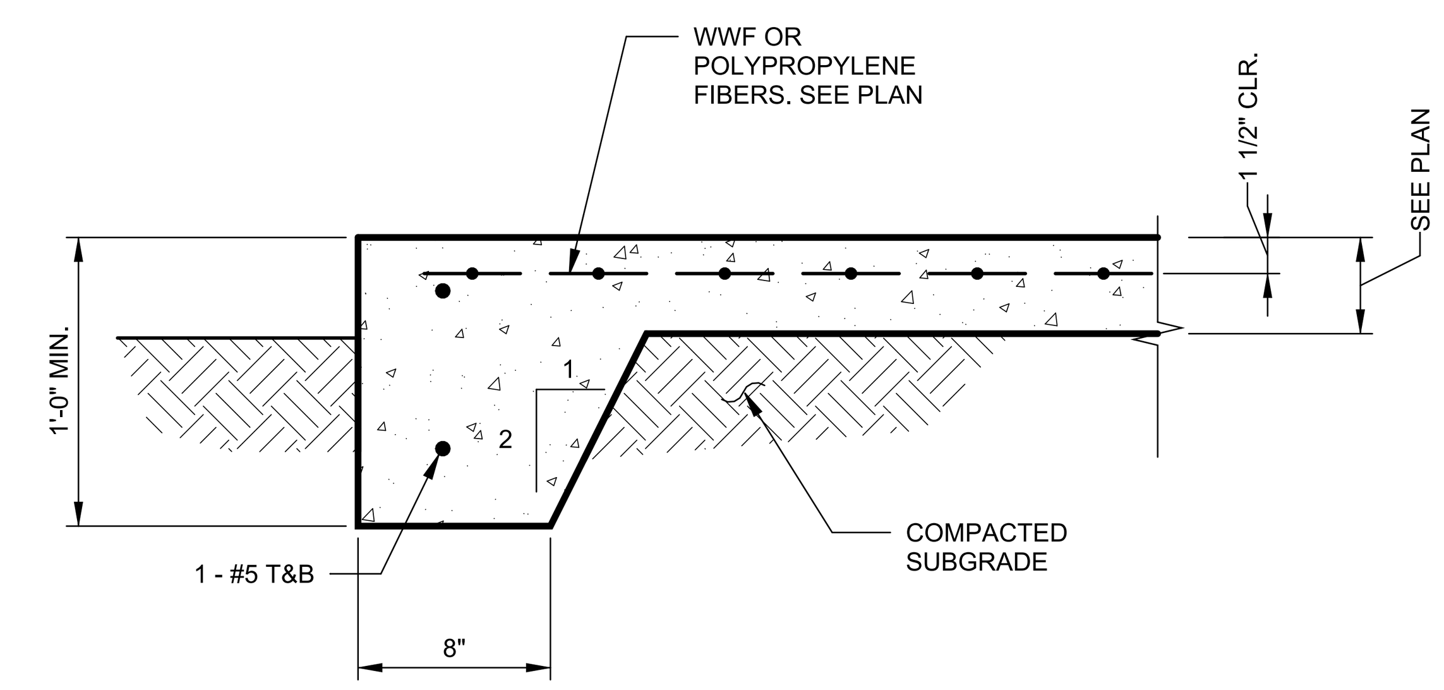
5 S-301 **DETAIL**
SCALE: 1" = 1'-0"



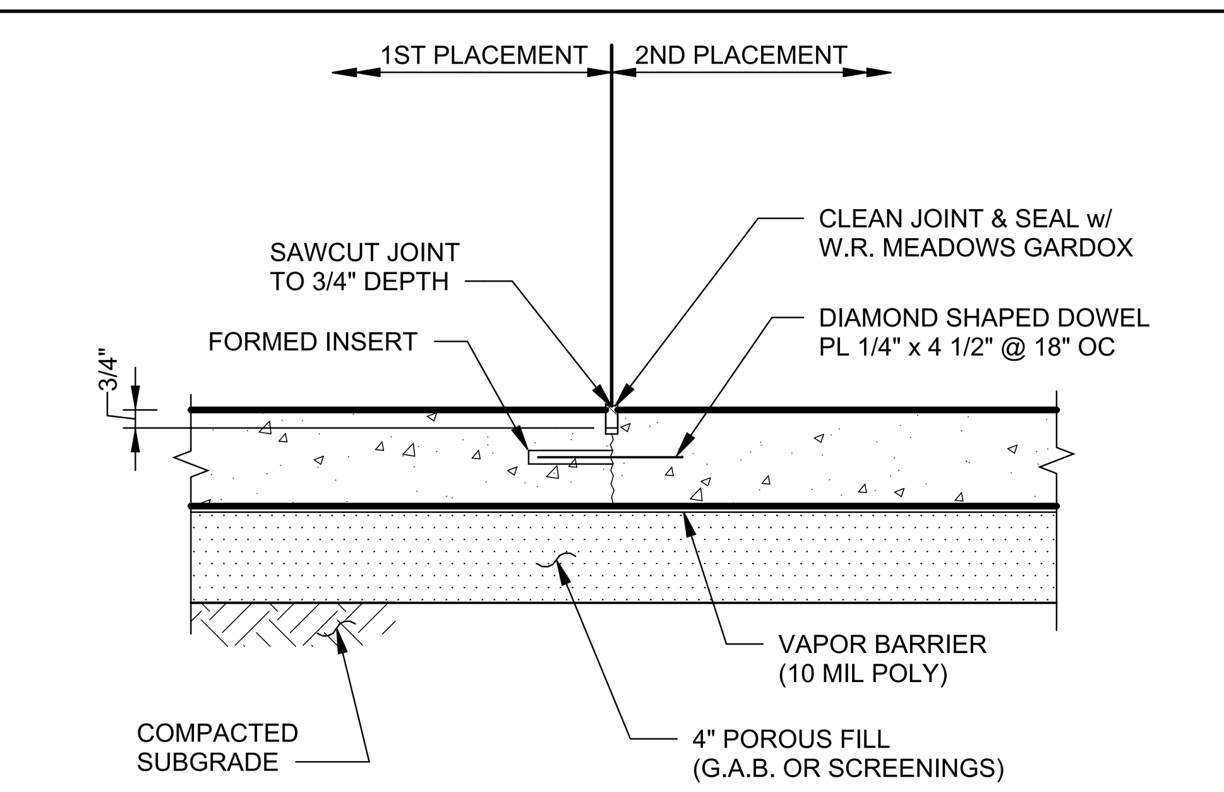
6 S-301 **SECTION**
SCALE: 1" = 1'-0"



7 S-301 **SECTION**
SCALE: 1 1/2" = 1'-0"



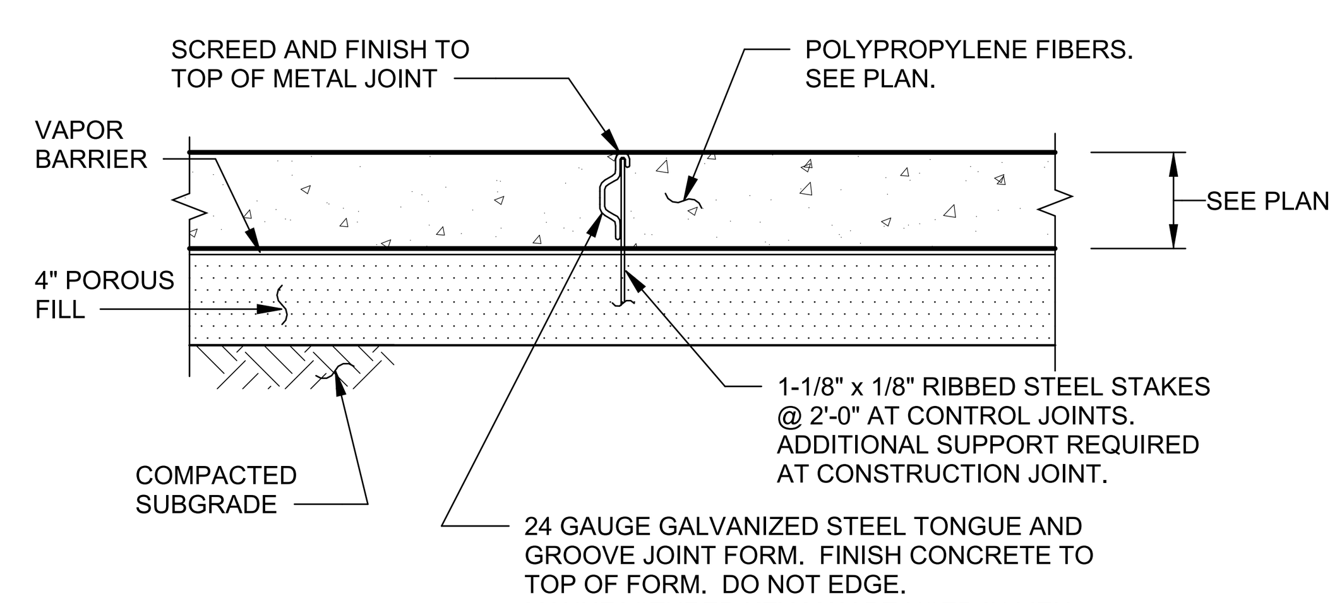
8 S-301 **SECTION**
SCALE: 1 1/2" = 1'-0"



A CONSTRUCTION JOINT RESULTS WHEN CONCRETE IS PLACED ON ONLY ONE SIDE OF THE JOINT TO END A DAY'S PLACEMENT OR TO ACCOMMODATE A DELAY IN PLACING SEQUENCE.

(CONSTRUCTION JOINT AND ALL CONTROL JOINTS IN TRUCK BAYS)

9 S-301 **SECTION**
SCALE: 1 1/2" = 1'-0"



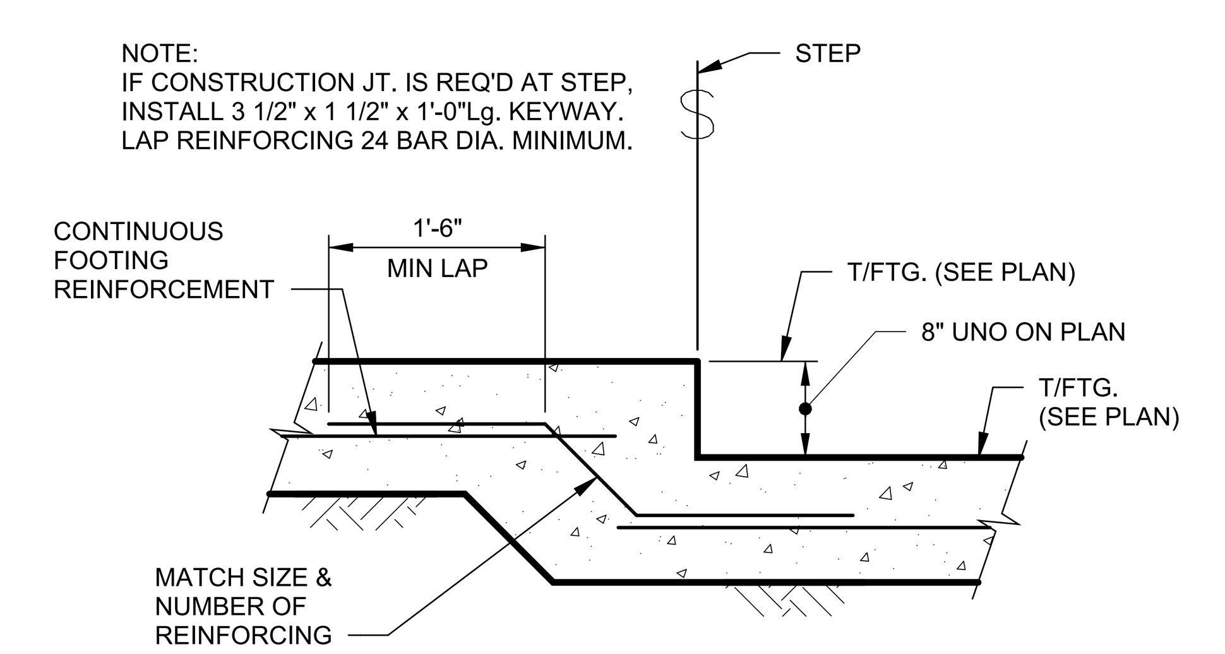
NOTES:

1. A CONSTRUCTION JOINT RESULTS WHEN CONCRETE IS PLACED ONLY ONE SIDE OF THE JOINT TO END A DAY'S "PLACEMENT" OR TO ACCOMMODATE A DELAY IN PLACING SEQUENCE. KEY SHALL BE REMOVED BEFORE CONTINUING FUTURE SLAB PLACEMENT.
2. WHEN CONCRETE IS PLACED ON BOTH SIDES A CONTROL JOINT IS FORMED. CONTROL JOINTS MAY BE SAW CUT TO A MINIMUM DEPTH OF "T"/4 AT CONTRACTORS OPTION. WWF SHALL BE DISCONTINUOUS ACROSS SAW CUT JOINT.

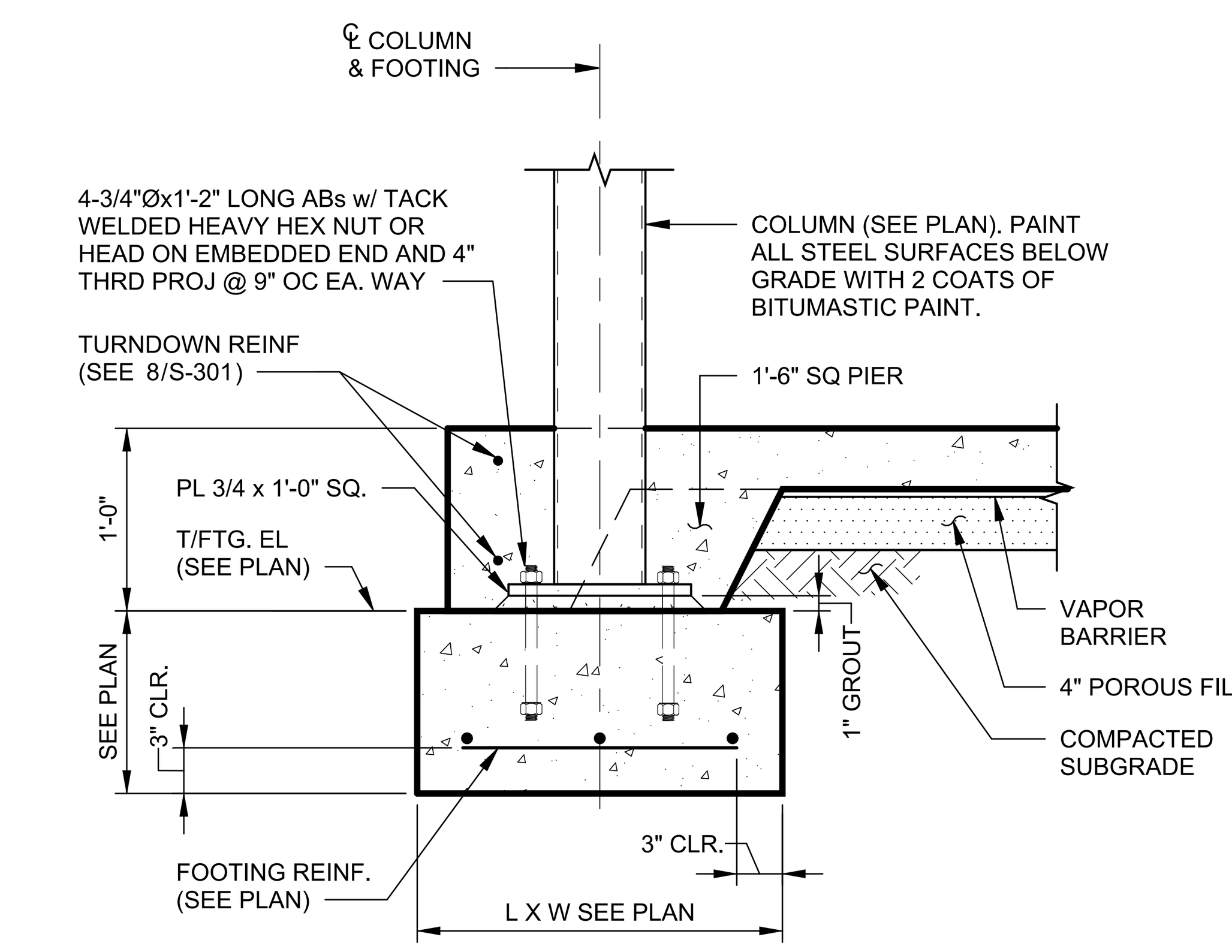
SLABS LESS THAN 6" THICK

10 S-301 **DETAIL**
SCALE: 1 1/2" = 1'-0"

NOTE: IF CONSTRUCTION JT. IS REQ'D AT STEP, INSTALL 3 1/2" x 1 1/2" x 1'-0"Lg. KEYWAY. LAP REINFORCING 24 BAR DIA. MINIMUM.



11 S-301 **DETAIL**
SCALE: 3/4" = 1'-0"



12 S-301 **SECTION**
SCALE: 1" = 1'-0"

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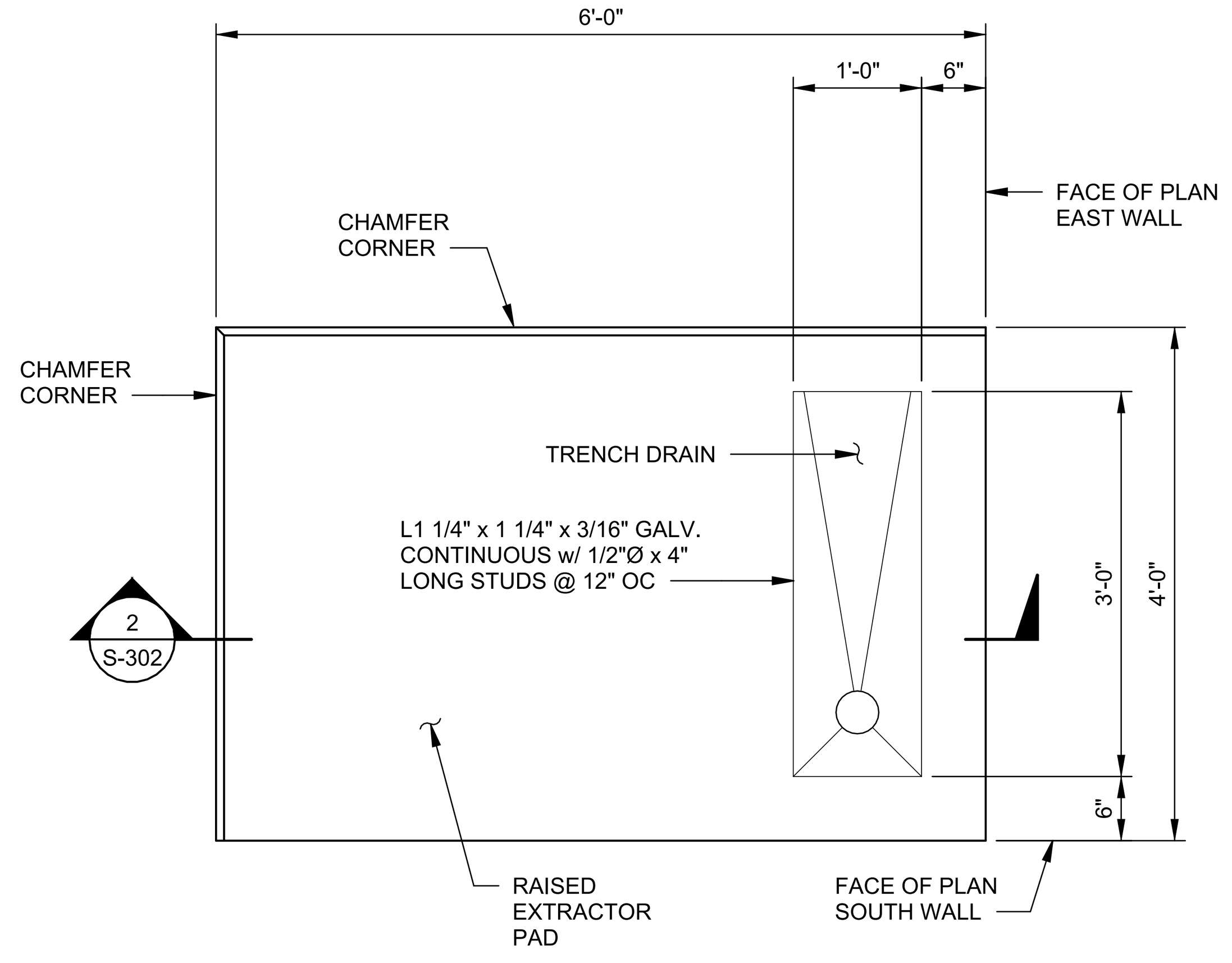
PROJECT NAME: **FIRE STATION #3**

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA — JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 — CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	EGW	ISSUED FOR BID/PERMIT

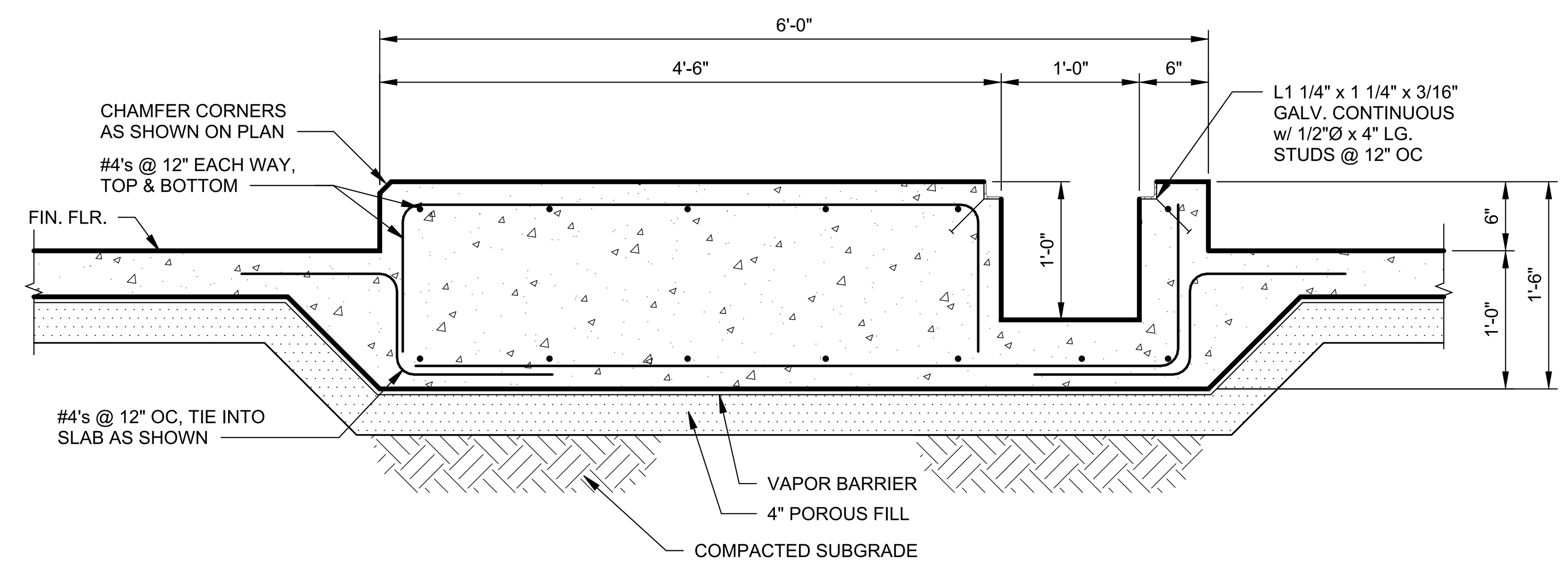
PROJECT NO.	3042.2403
DRAWN BY:	CB / BLB
CHECKED BY:	MWL
DATE:	04/03/2024
SHEET TITLE:	CONCRETE SECTIONS AND DETAILS - 1 OF 2
SCALE	AS NOTED
DRAWING NO.	S-301
REV.	A



1 S-302

EXTRACTOR PAD DETAIL

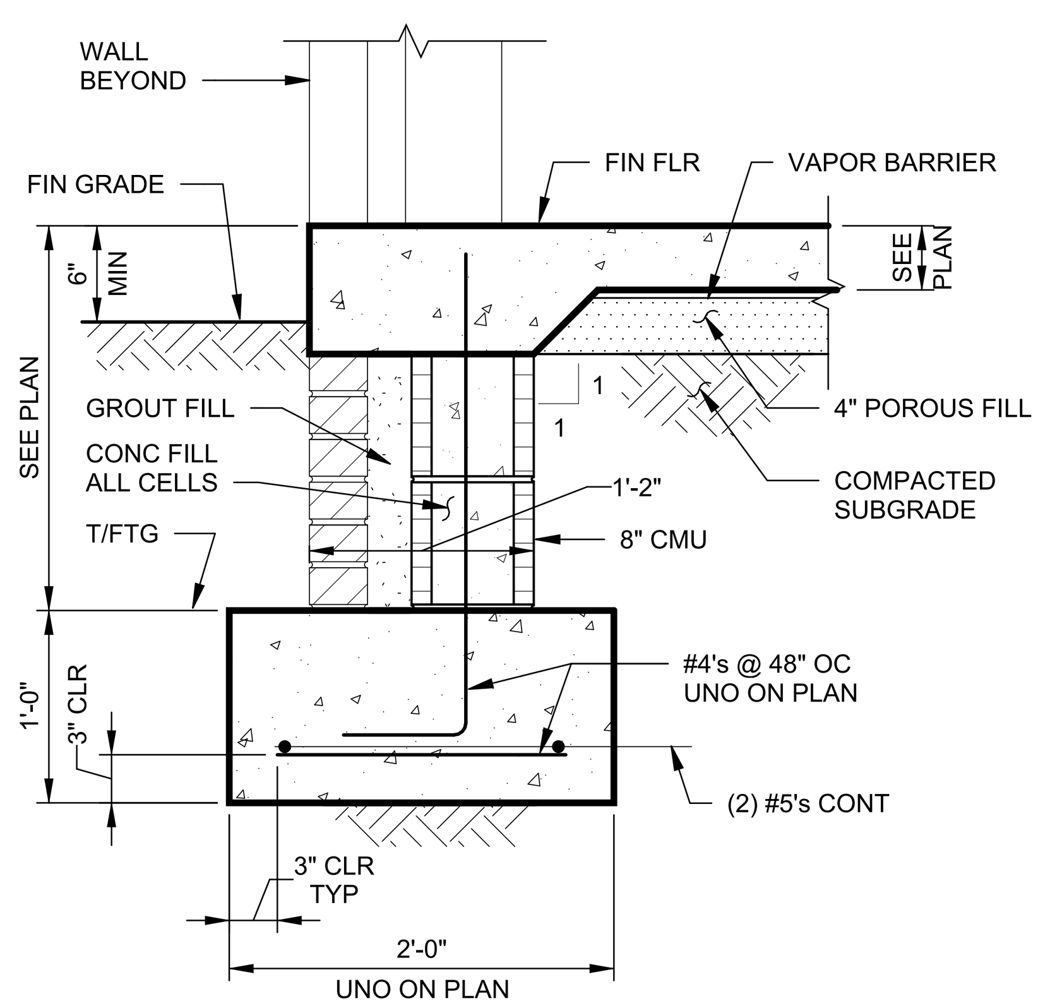
SCALE: 3/4" = 1'-0"



2 S-302

SECTION

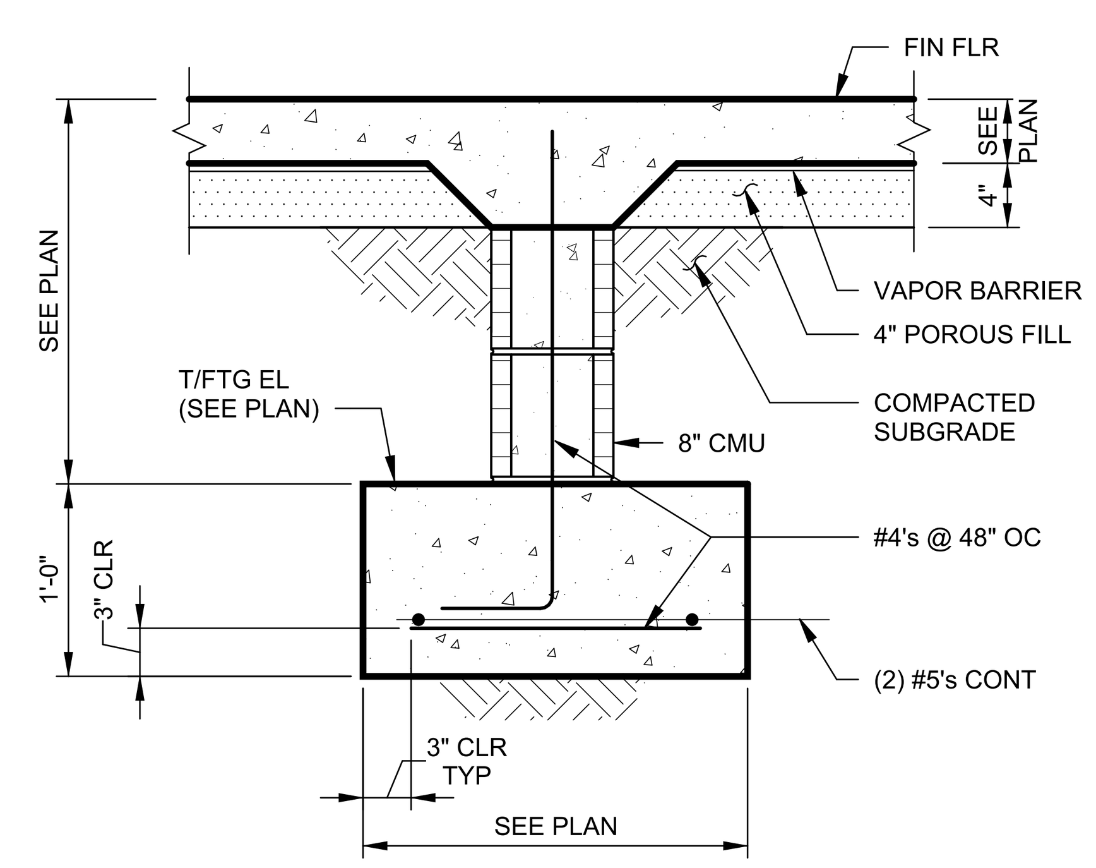
SCALE: 1" = 1'-0"



5 S-302

SECTION

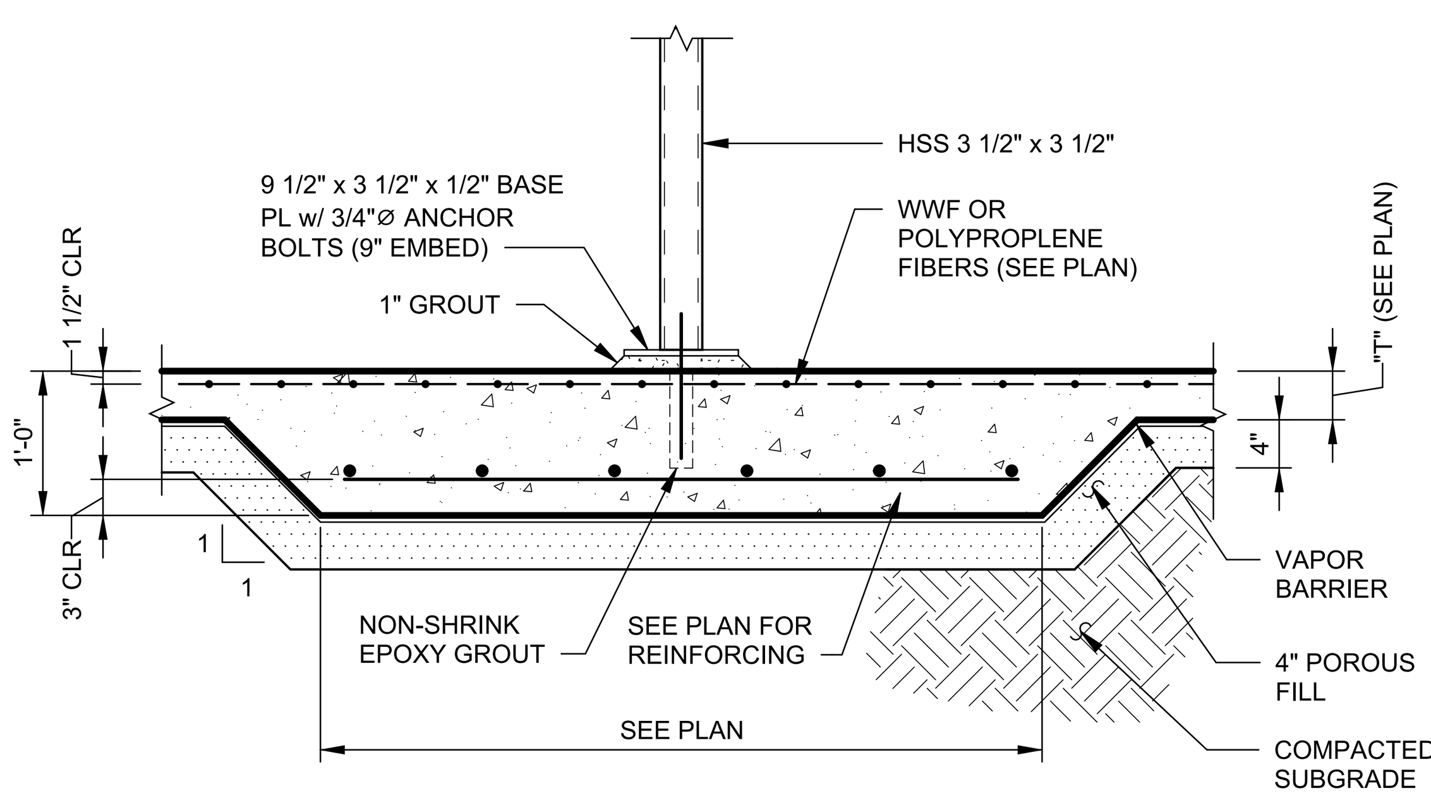
SCALE: 1" = 1'-0"



6 S-302

SECTION

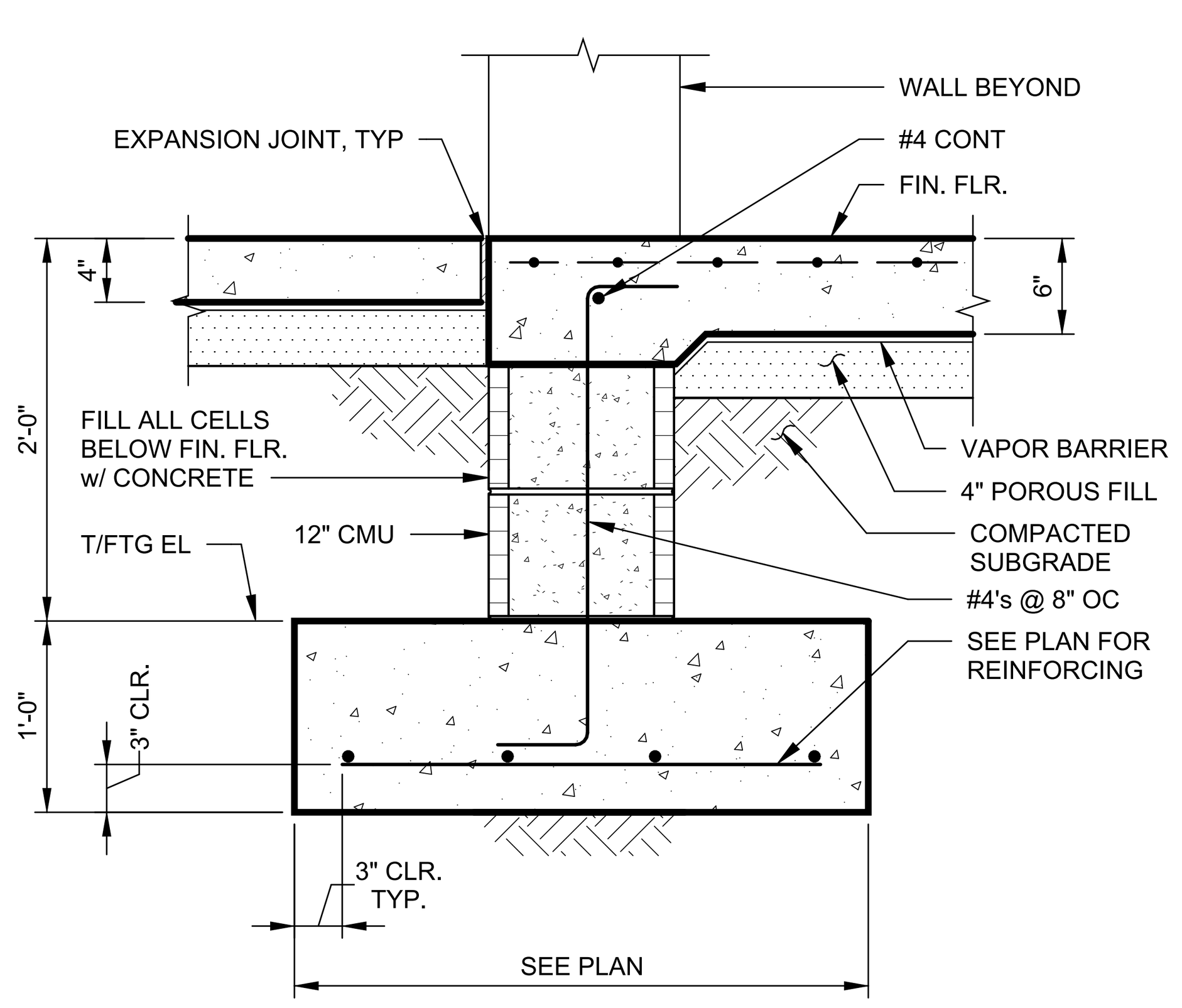
SCALE: 1" = 1'-0"



7 S-302

SECTION

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

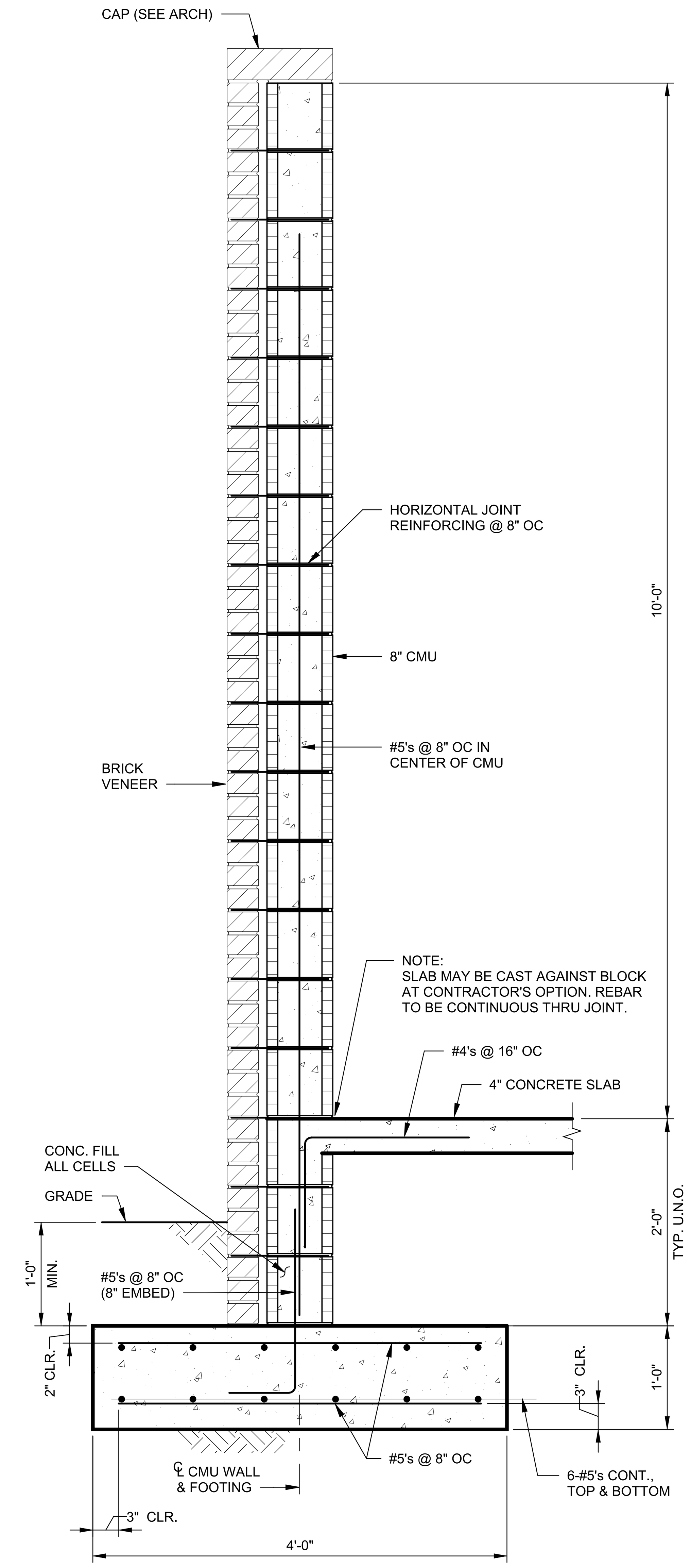


NOTE:
DEPTH TO TOP OF FOOTING SHALL BE COORDINATED TO PERMIT PLUMBING TO PASS OVER FOOTING.

9 S-302

SECTION

SCALE: 1" = 1'-0"



12 S-302

SECTION

SCALE: 1" = 1'-0"

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GEORGIA
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. PEF000356
EXPIRATION DATE: JUNE 30, 2026
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PROJECT NO.	3042.2403
DRAWN BY:	BLB
CHECKED BY:	MWL
DATE:	04/03/2024

SHEET TITLE:

CONCRETE SECTIONS AND DETAILS - 2 OF 2

SCALE: AS NOTED

DRAWING NO.: **S-302** REV.: **A**

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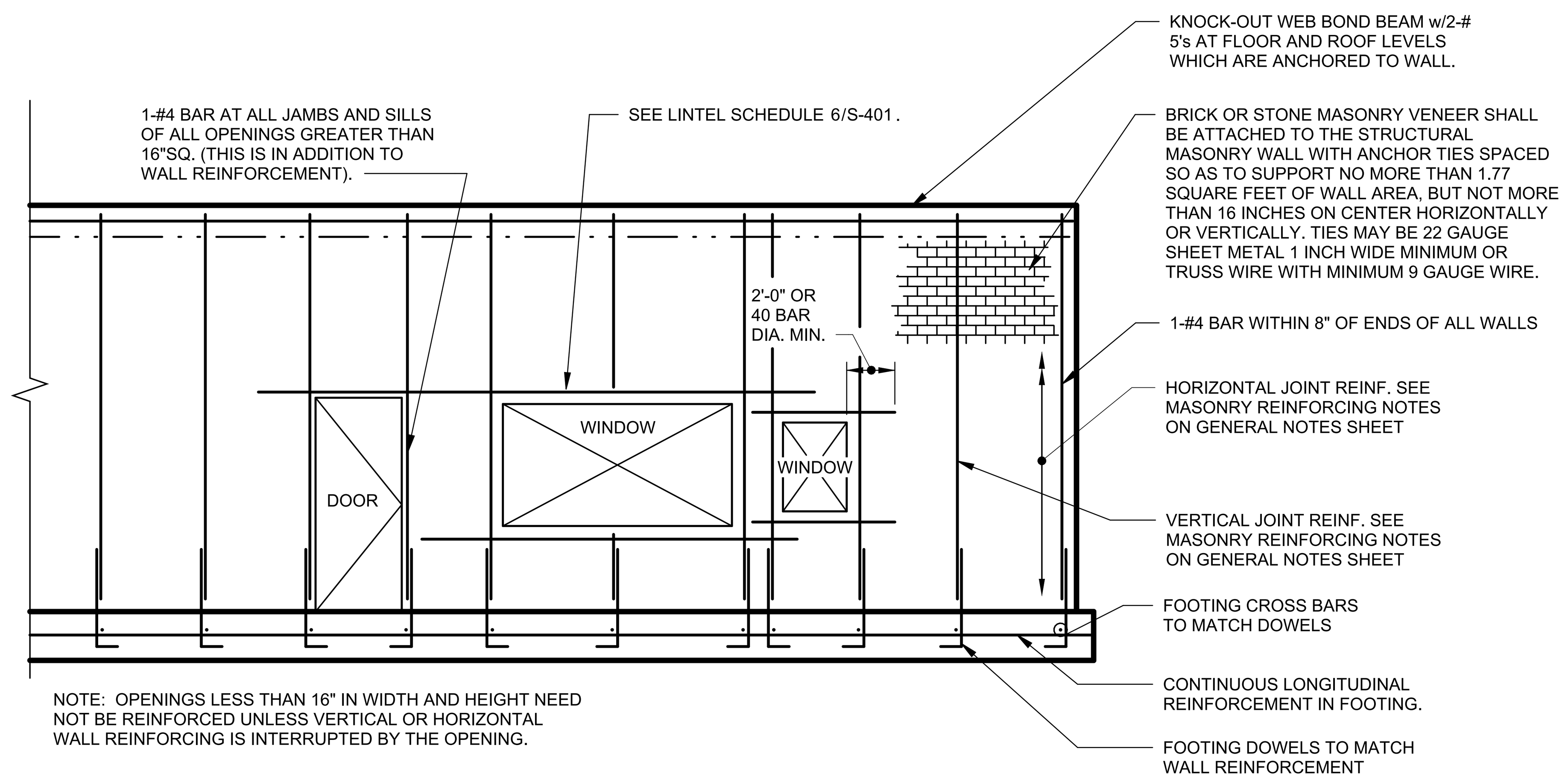
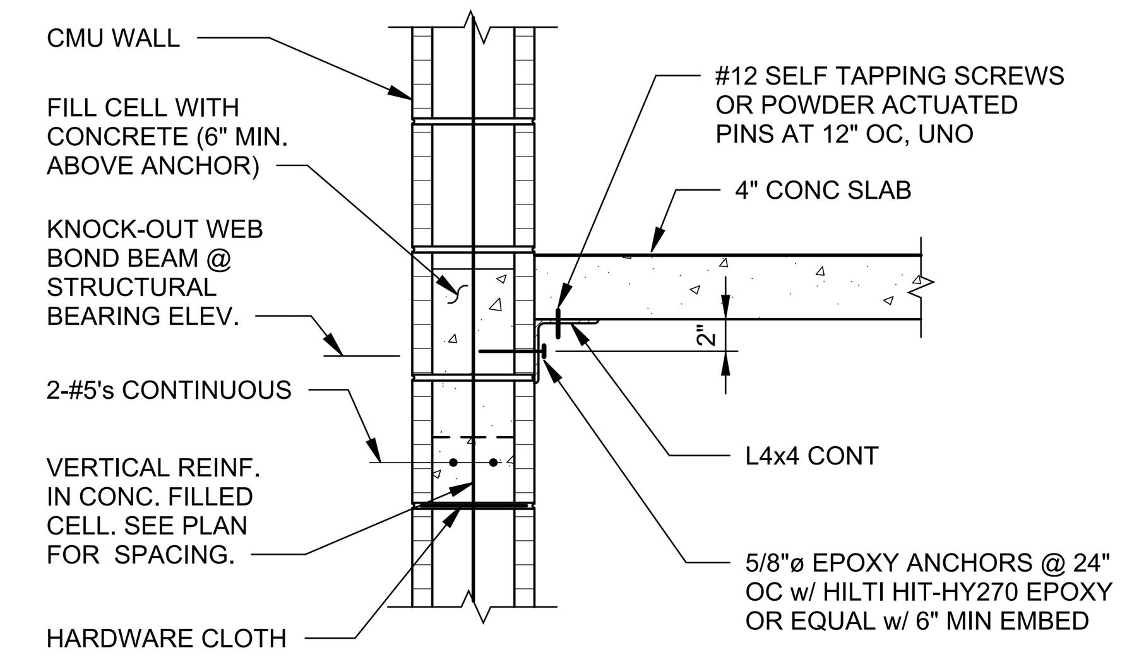


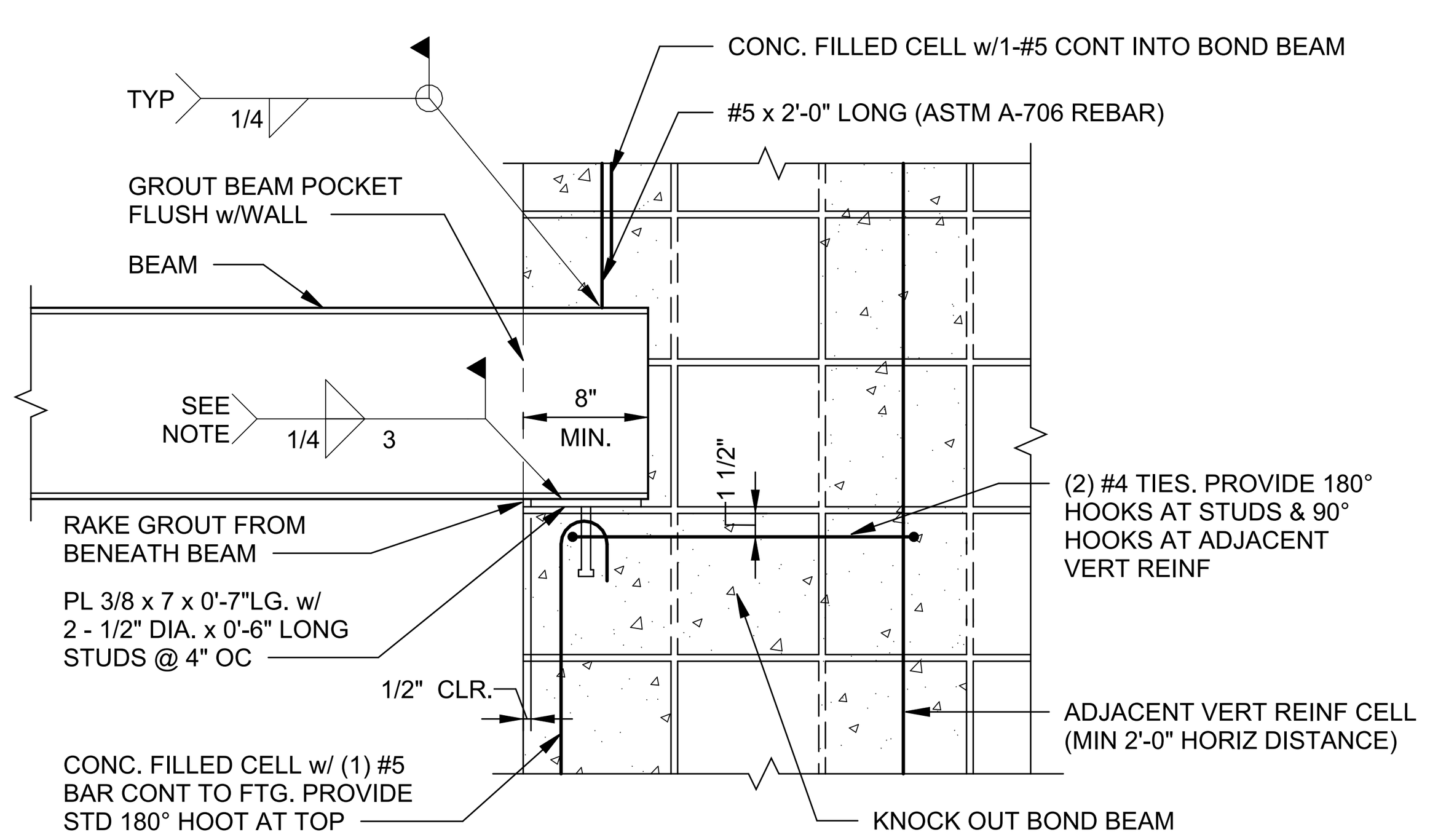
NOTE: OPENINGS LESS THAN 16" IN WIDTH AND HEIGHT NEED NOT BE REINFORCED UNLESS VERTICAL OR HORIZONTAL WALL REINFORCING IS INTERRUPTED BY THE OPENING.

1 / S-401
DETAIL
SCALE: 3/16" = 1'-0"



3 / S-401
DETAIL
SCALE: 1" = 1'-0"

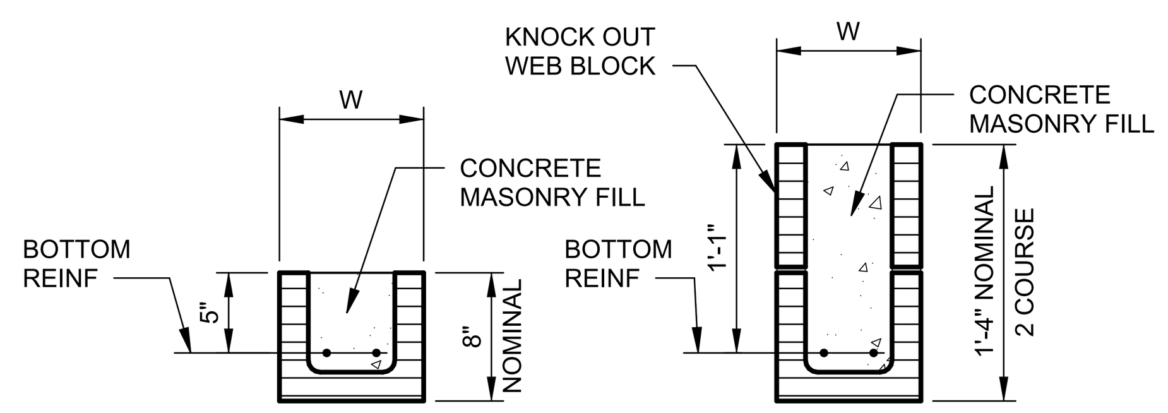
NOTE:
CRIPPLE BEAM BEARING LEVEL FOR SLOPED BEAMS.



NOTE:
SUBSTITUTE 2 - 3/4" DIA. PLUG WELDS ON CENTER LINE OF BEARING PLATE, 1 EACH SIDE OF WEB IF BEAM FLANGE IS EQUAL TO OR WIDER THAN BEARING PLATE.

(BEAM PARALLEL TO WALL)

5 / S-401
DETAIL
SCALE: 1" = 1'-0"

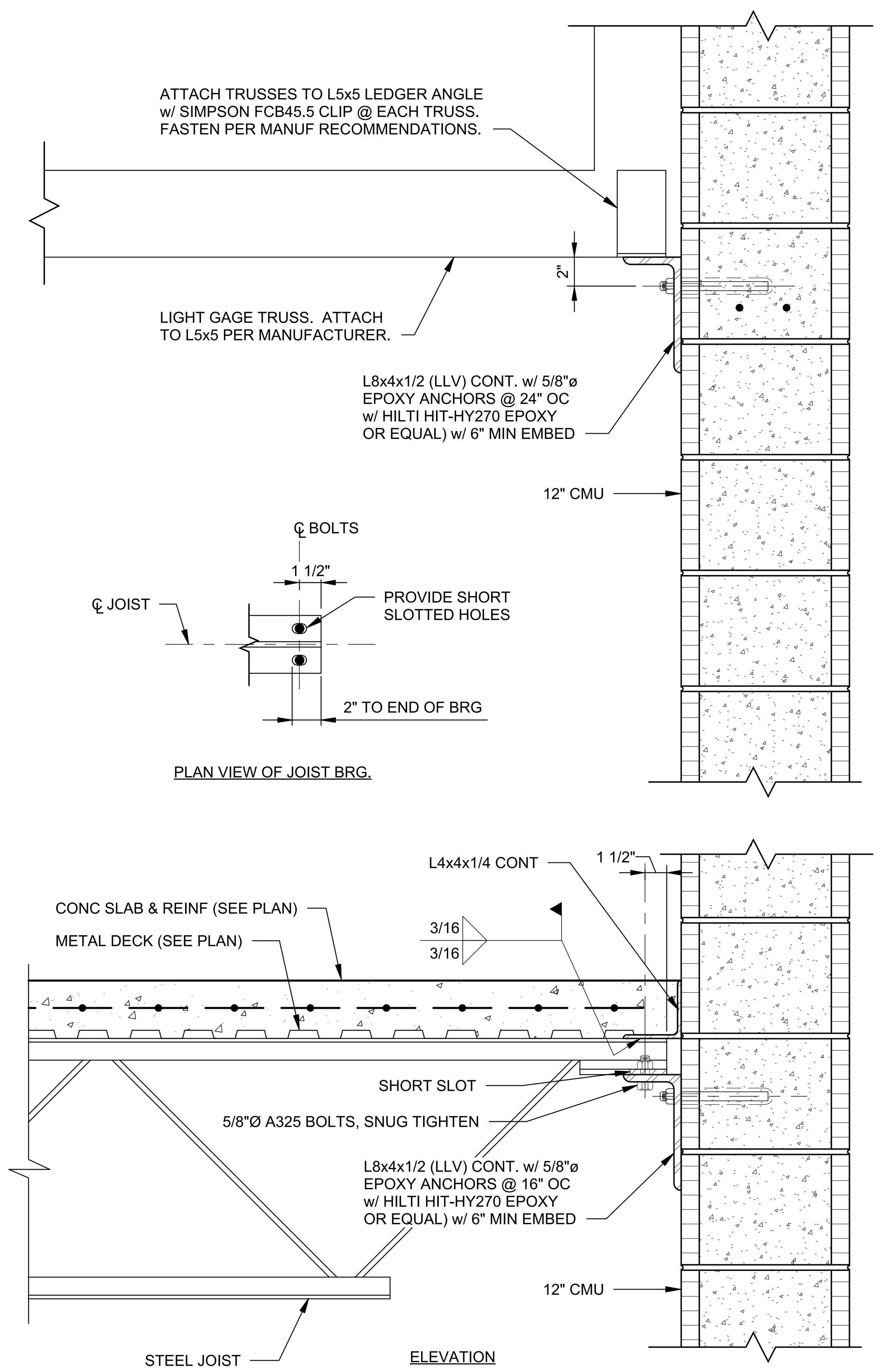


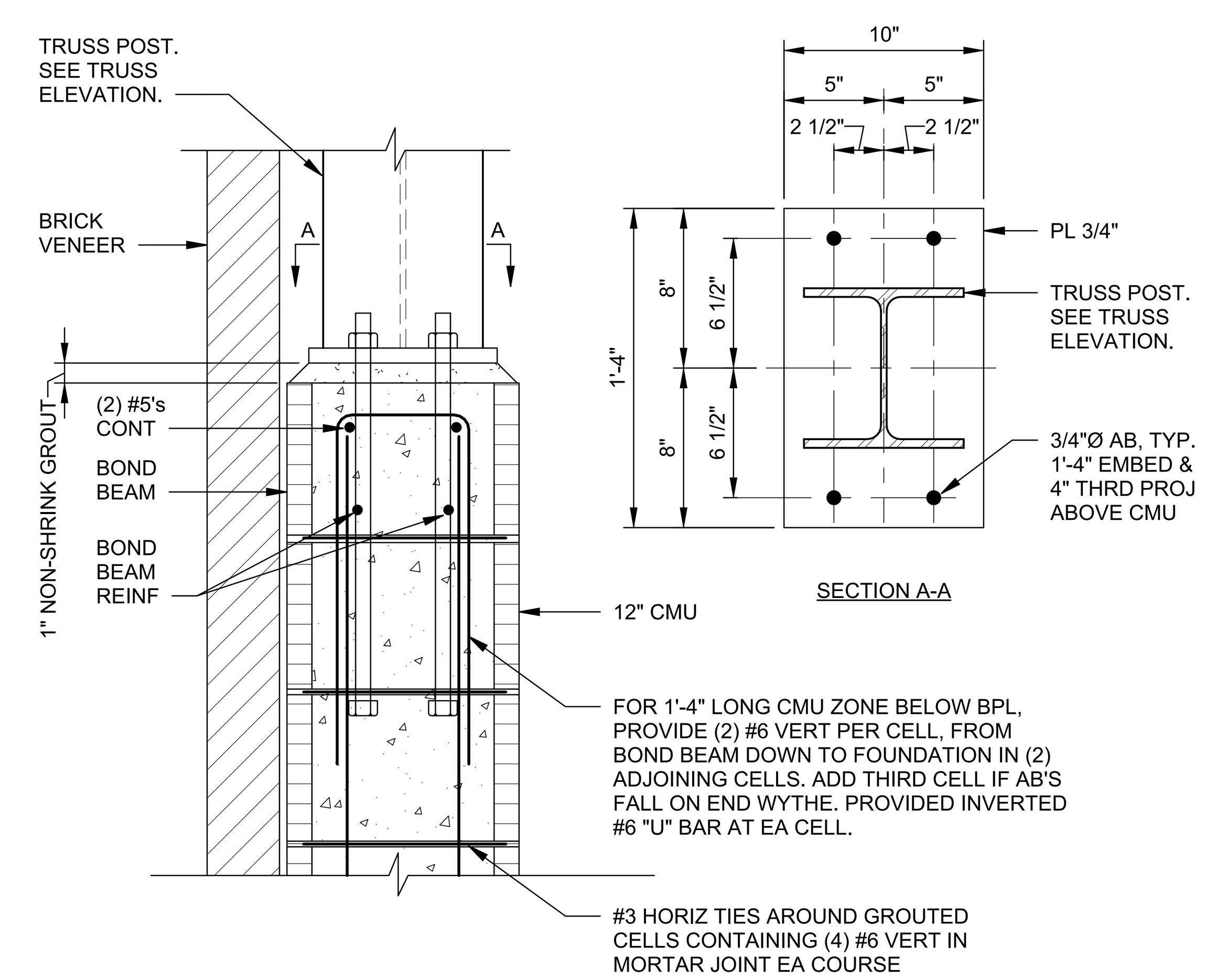
NOTES:
1. BEARING LENGTH AND DISTANCE FROM CLEAR OPENING TO JOINT AT EACH END OF LINTEL SHALL NOT BE LESS THAN 8".
2. FOR DOOR AND WINDOWS OPENING SIZES AND SPANS REFER TO ARCHITECTURAL DRAWINGS. FOR LOUVER OPENINGS AND DUCTS THROUGH WALLS REFER TO MECHANICAL DRAWINGS.
3. LINTELS ARE FOR WALL LOADS ONLY AND SHALL NOT BE USED WHERE POINT LOADS TO WALL ARE LOCATED WITHIN CLEAR SPAN/2 OF TOP OF LINTEL

MASONRY LINTEL SCHEDULE

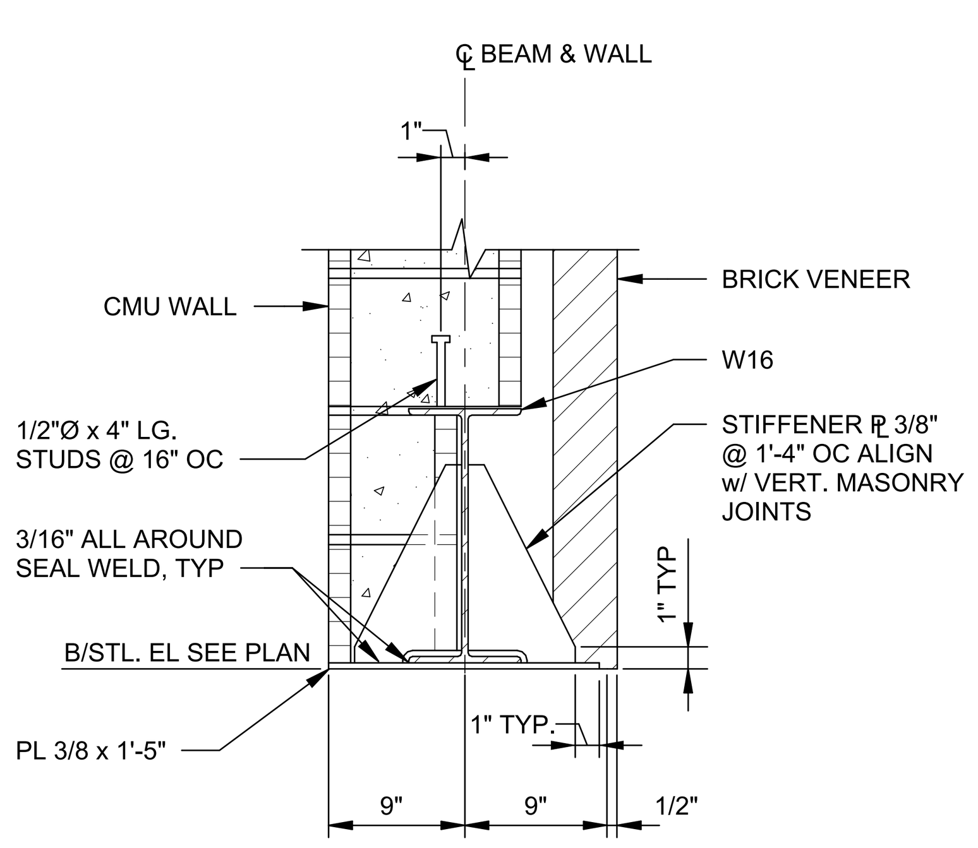
CLEAR SPAN	BOTTOM REINFORCING		LINTEL HEIGHT
	W = 8"	W = 12"	
UP TO 6'-0"	2 - #4's	3 - #4's	8"
6'-1" - 8'-0"	2 - #5's	3 - #5's	8"
8'-1" - 10'-0"	2 - #4's	3 - #4's	16"
10'-1" - 12'-0"	2 - #5's	3 - #5's	16"

6 / S-401
DETAIL
SCALE: 1" = 1'-0"

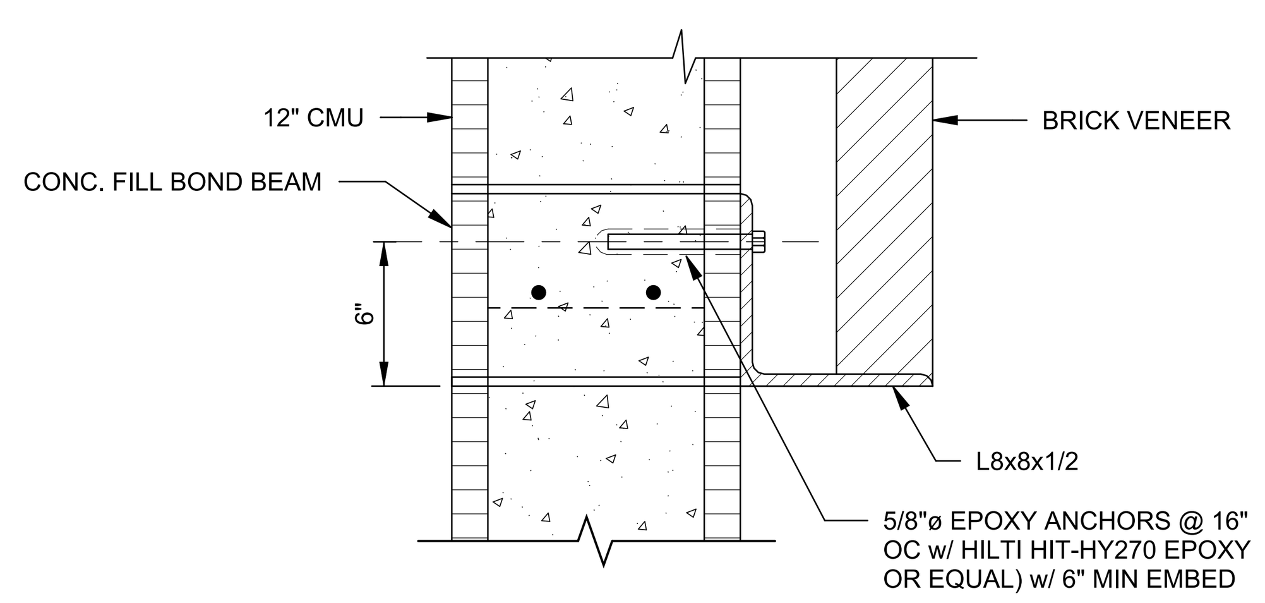




8 / S-401
DETAIL
SCALE: 1 1/2" = 1'-0"



9 / S-401
DETAIL
NO SCALE



10 / S-401
DETAIL
NO SCALE

11 / S-401
DETAIL
SCALE: 1 1/2" = 1'-0"

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PROJECT NAME:
FIRE STATION #3

PROJECT LOCATION:
2649 GORDON HWY., AUGUSTA, GA 30909

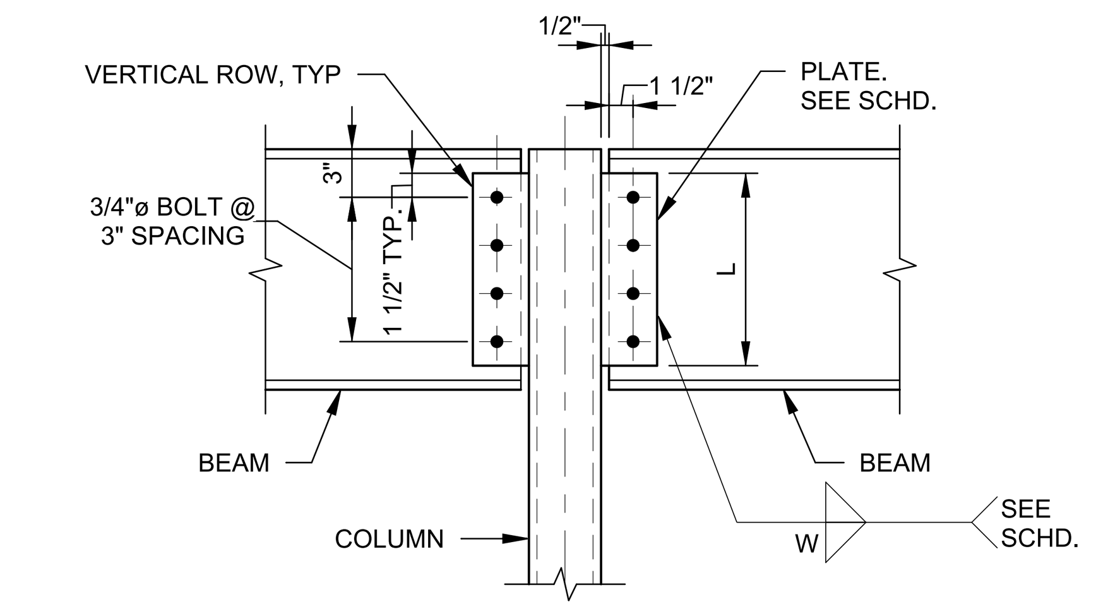
GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	EGW	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	CB / BLB
CHECKED BY:	MWL
DATE:	04/03/2024

SHEET TITLE:
MASONRY SECTIONS AND DETAILS

SCALE: AS NOTED
DRAWING NO.: S-401
REV.: A

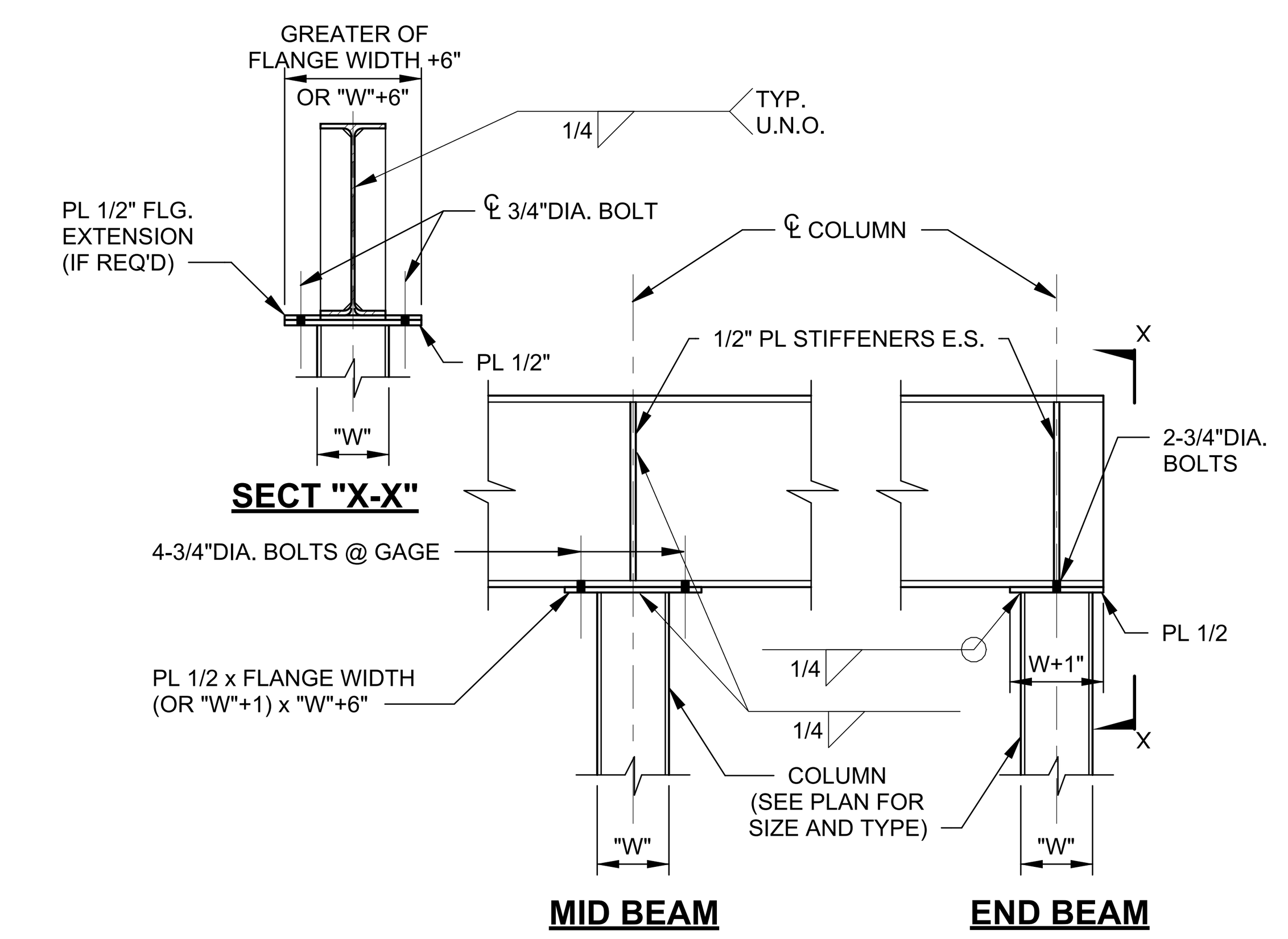


BOLT TYPE: ASTM 325, TYPE N

BEAM SIZE	NO. OF BOLTS PER VERT. ROW	L (in.)	T (in) PLATE THK.	W (in) FILLET WELD
W6	1	3	1/4	3/16
W8 & W10	2	6	1/4	3/16
W12 & W14	3	9	5/16	1/4
W16 & W18	4	12	5/16	1/4
W21, W24 & W27	6	18	3/8	5/16
W30, W33 & W36	8	24	3/8	5/16

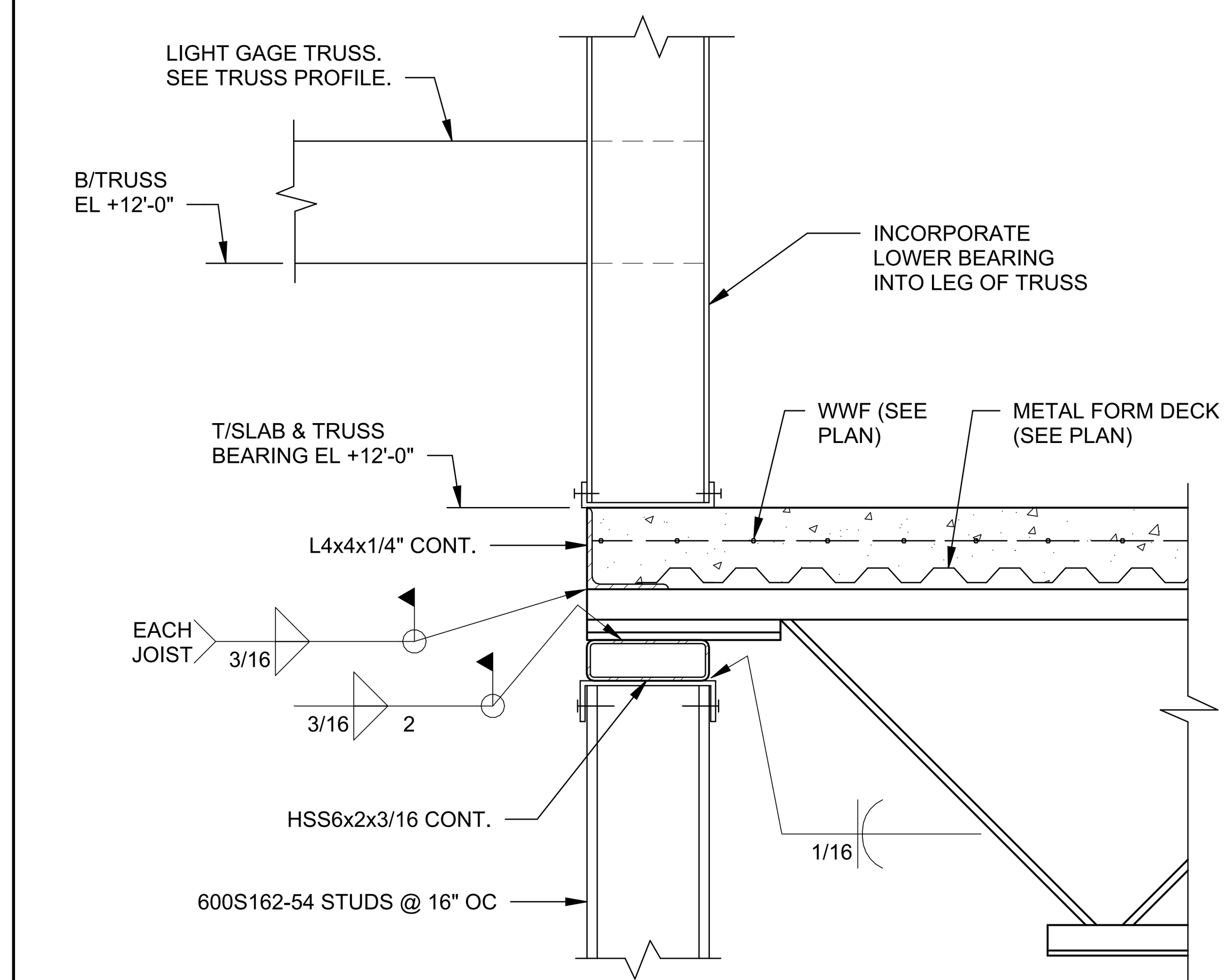
1 S-501

DETAIL
NO SCALE



2 S-501

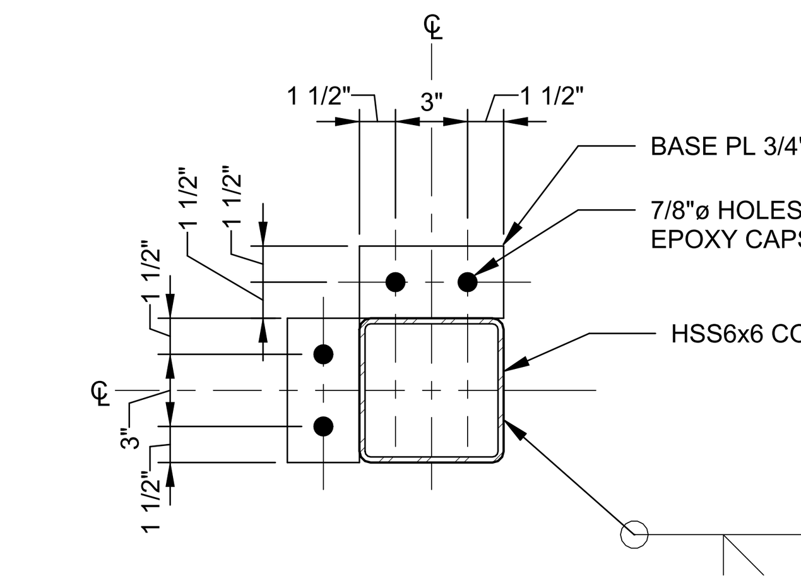
DETAIL
NO SCALE



3 S-501

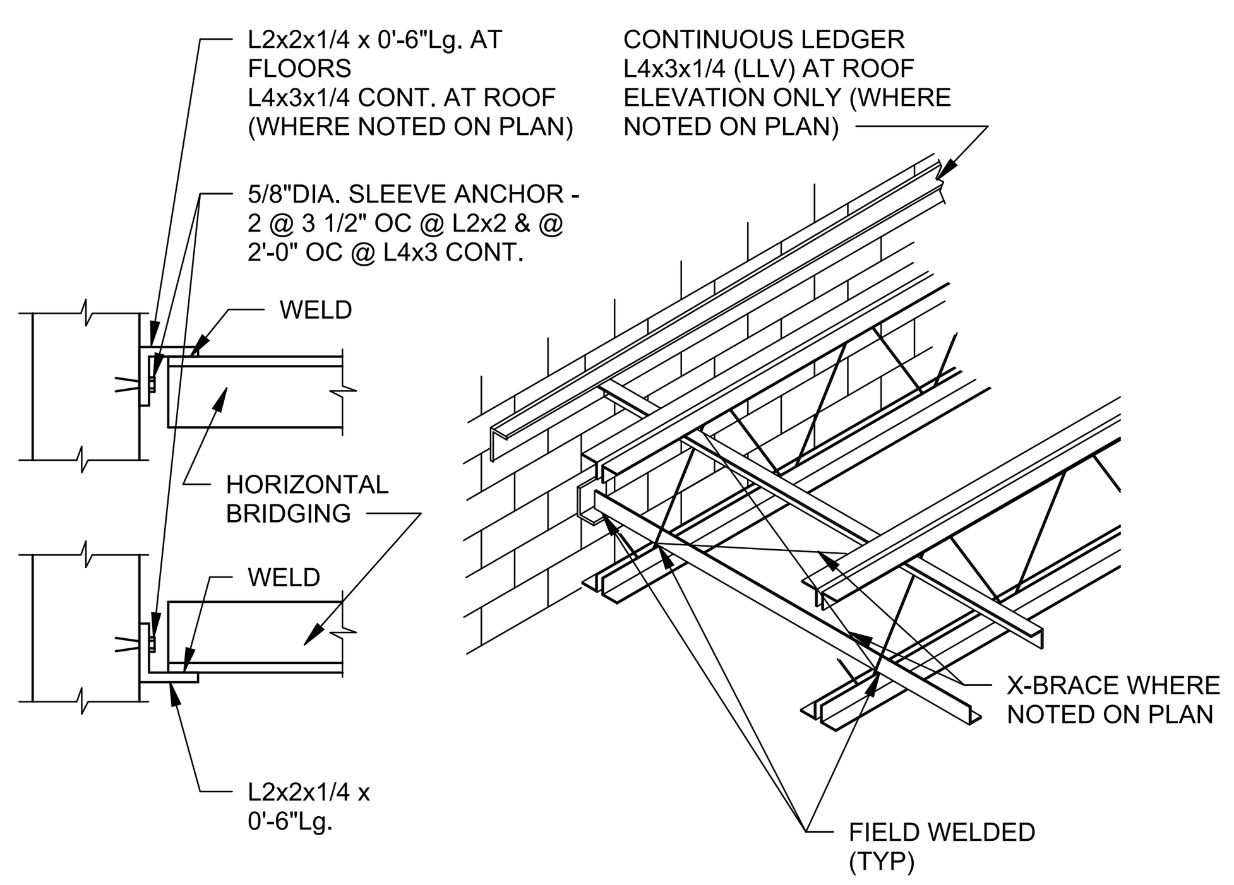
DETAIL
SCALE: 1 1/2" = 1'-0"

NOTES:
1. GROUT FOR SETTING BASE PLATES SHALL BE NON-SHRINK, NON-METALLIC TYPE. PLUMB COLUMN BY USING LEVELING NUTS OR STEEL WEDGES AT EDGES OF BASE PLATE AND GROUT. WHEN GROUT HAS GAINED SUFFICIENT STRENGTH TO SUPPORT LOAD (5000 PSI) ALL WEDGES AND SHIMS SHALL BE REMOVED & RESULTING VOIDS FILLED WITH GROUT BEFORE ANCHOR BOLTS ARE TIGHTENED.
2. SEE PLAN FOR ORIENTATION.



4 S-501

DETAIL
NO SCALE

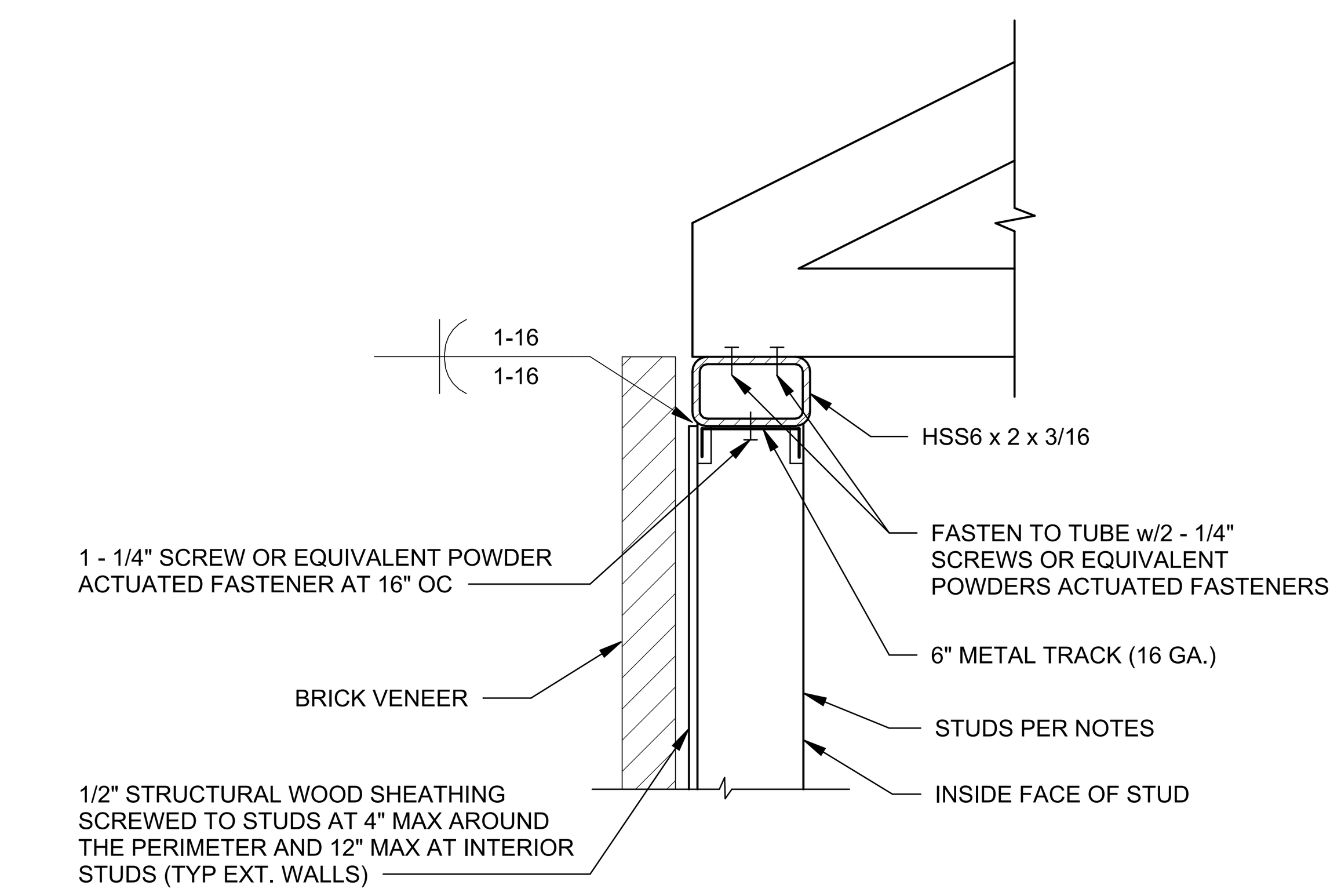


NOTE:
DO NOT EXTEND BRIDGING ACROSS EXPANSION JOINTS.

K OR LH SERIES

5 S-501

DETAIL
NO SCALE

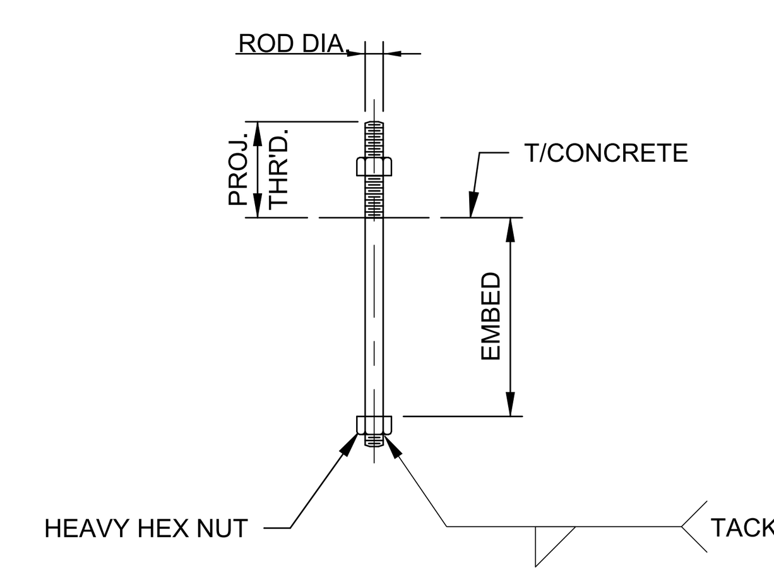


6 S-501

DETAIL
NO SCALE

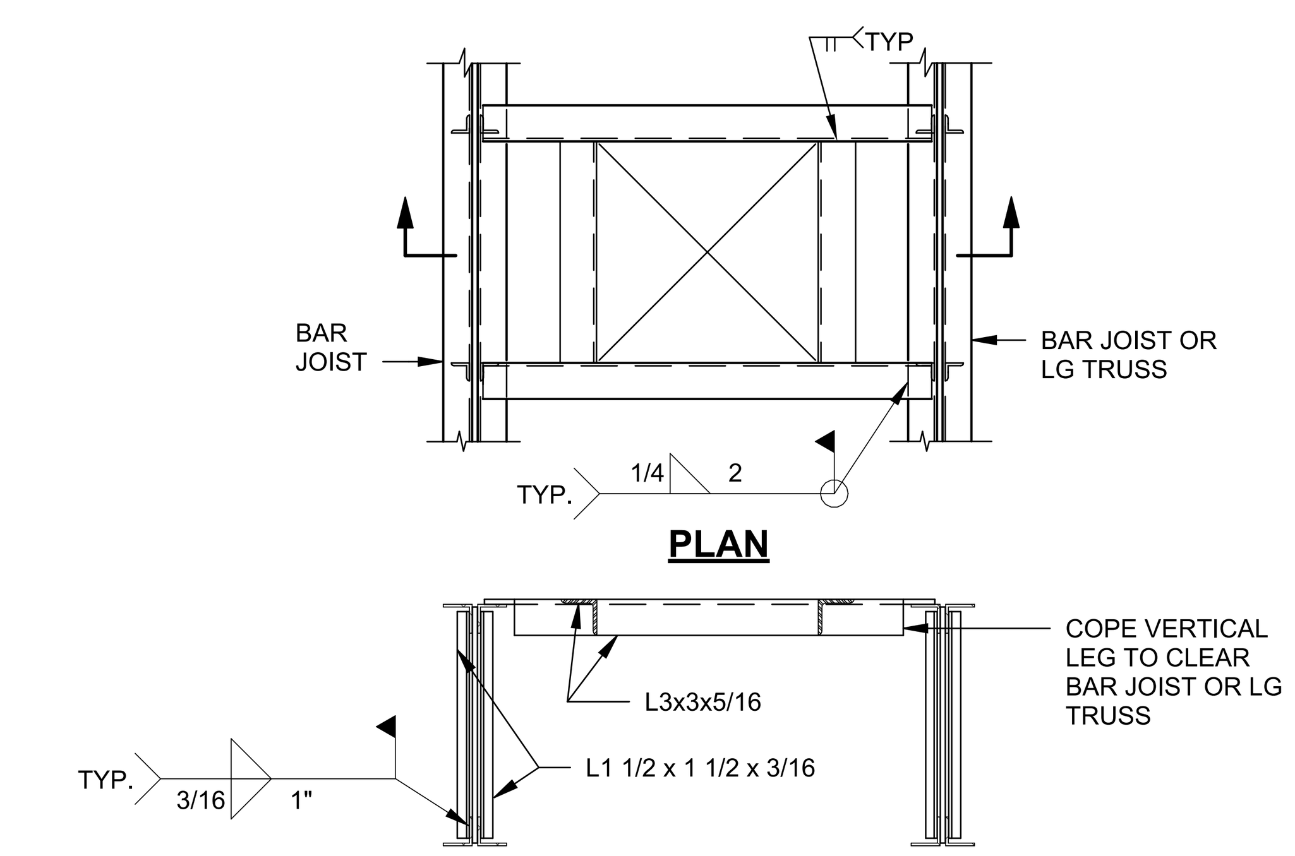
ANCHOR BOLT DIMENSIONS

ROD DIA.	PROJECTION & TREAD	EMBEDMENT LENGTH
3/4"	3"	12"
7/8"	3"	15"
1"	4"	18"
1 1/4"	4"	21"



7 S-501

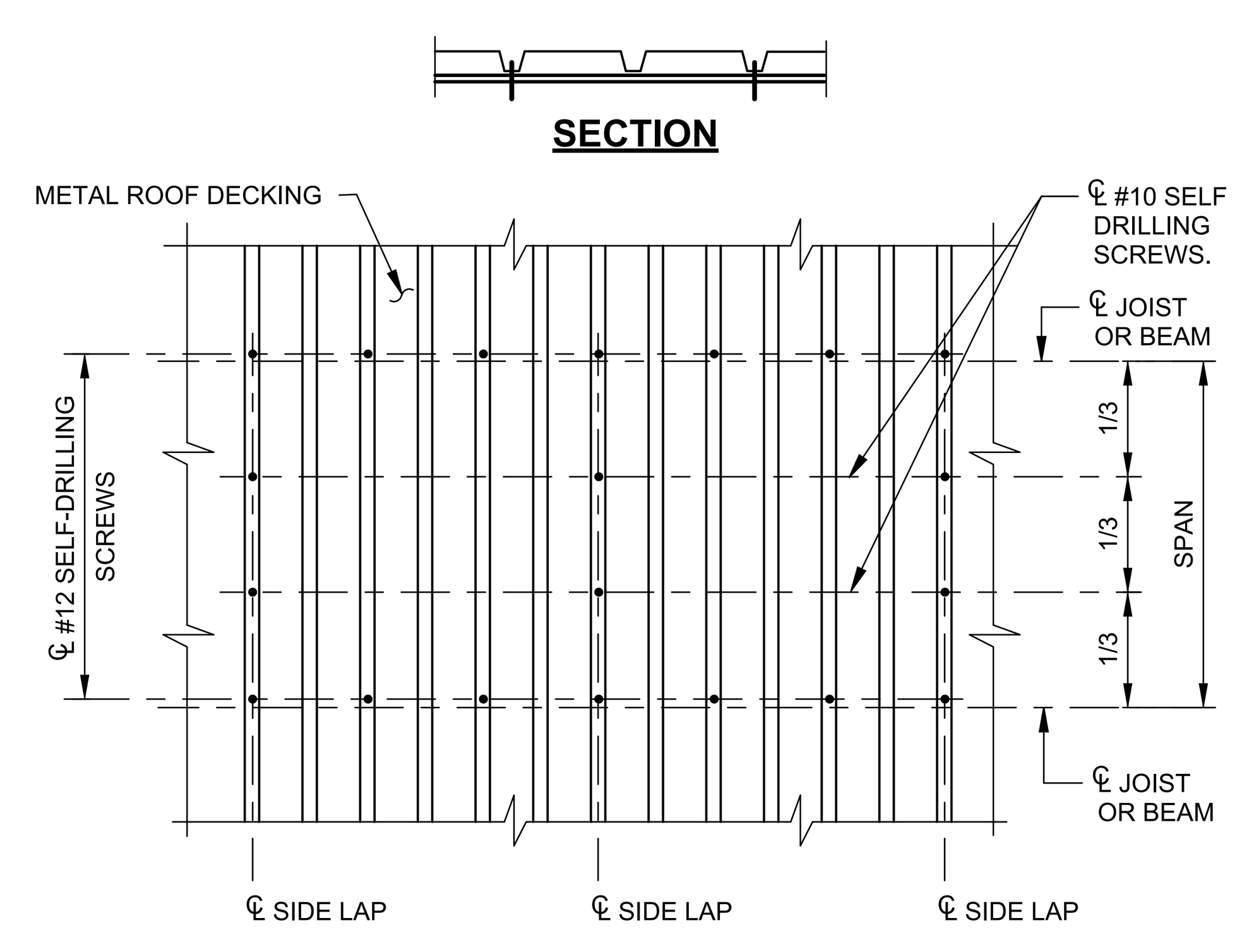
DETAIL
NO SCALE



NOTES:
1. USE AT ALL OPENINGS EQUAL TO OR GREATER THAN 12" SQUARE OR 12" IN DIAMETER. ALL OPENING EDGES AND EQUIPMENT BASE CURBS TO BE CONTINUOUSLY SUPPORTED BY ANGLE FRAMING.
2. SEE MECHANICAL DRAWINGS FOR LOCATION AND NUMBER OF FRAMES REQUIRED. COORDINATE DIMENSIONS WITH EQUIPMENT SHOP DRAWINGS.

8 S-501

DETAIL
NO SCALE



NOTES:
1. ATTACHMENT TO BE 36/7 PATTERN WITHIN 12 FEET OF ANY BUILDING EDGE. ATTACHMENT TO BE 36/4 PATTERN ELSEWHERE. IN ALL CASES INCLUDE 2 SIDE LAP SCREWS MINIMUM. MAXIMUM SPACING OF SIDE LAP SCREWS TO BE 3'-0" (UNO ON PLAN OR IN SPECIFICATIONS).
2. POWDER ACTUATED OR PNEUMATICS PINS OR PUDDLE WELDS MAY BE SUBSTITUTED FOR SCREWS AT JOIST OR BEAM.

9 S-501

DETAIL
NO SCALE

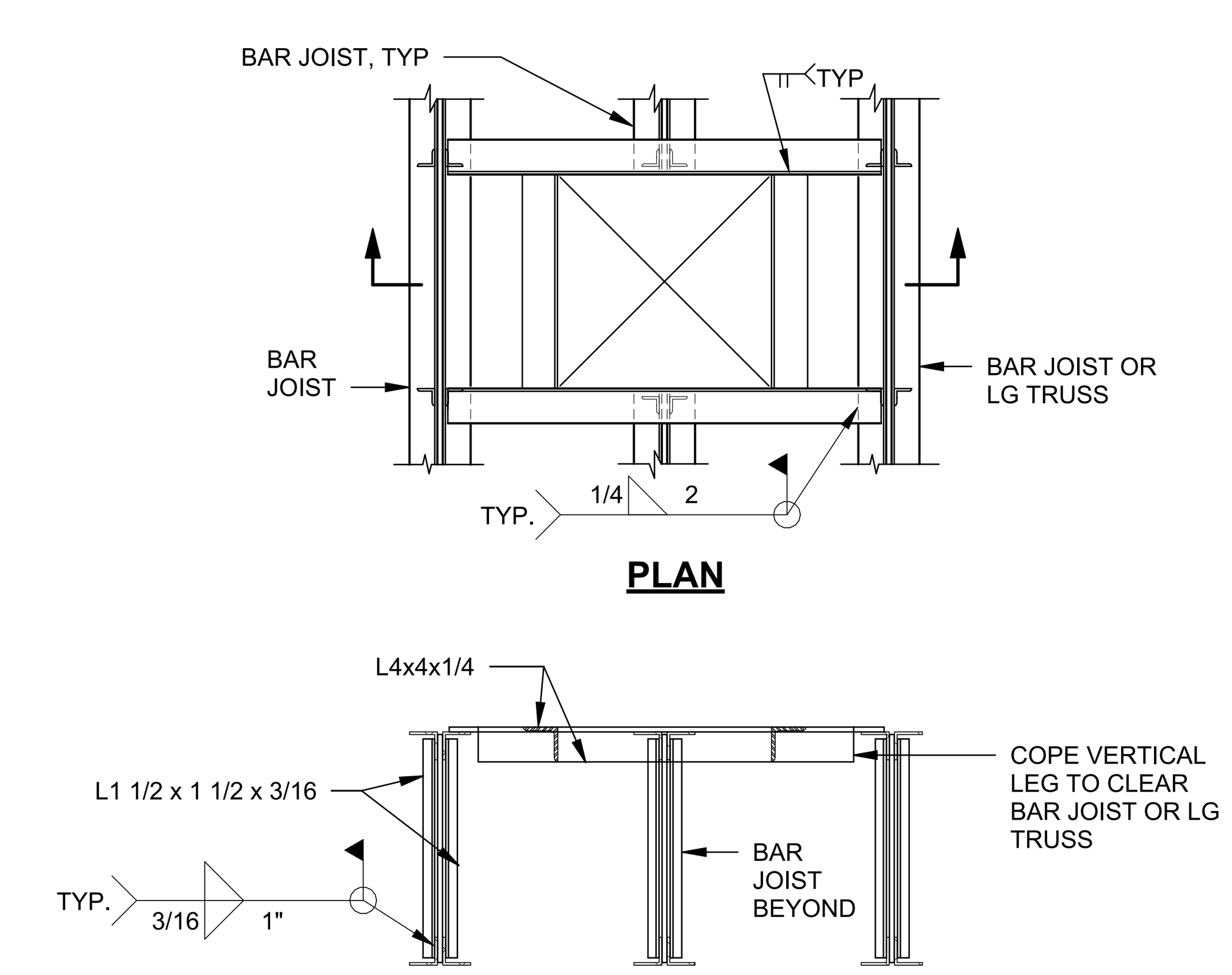
LOOSE STEEL LINTEL SCHEDULE

CLEAR SPAN	LINTEL TYPE AND SIZE
UP TO 4'-0"	L4 x 3-1/2 x 5/16
4'-0"-6'-0"	L5 x 3-1/2 x 3/8
6'-0"-8'-0"	L6 x 3-1/2 x 3/8

NOTES:
1. ONE ANGLE PER 4" THICKNESS OF MASONRY.
2. 6" MINIMUM BEARING EACH END OF EACH ANGLE.
3. LONG LEG SHALL BE PLACED VERTICAL.
4. ALL EXTERIOR ANGLES SHALL BE GALVANIZED.

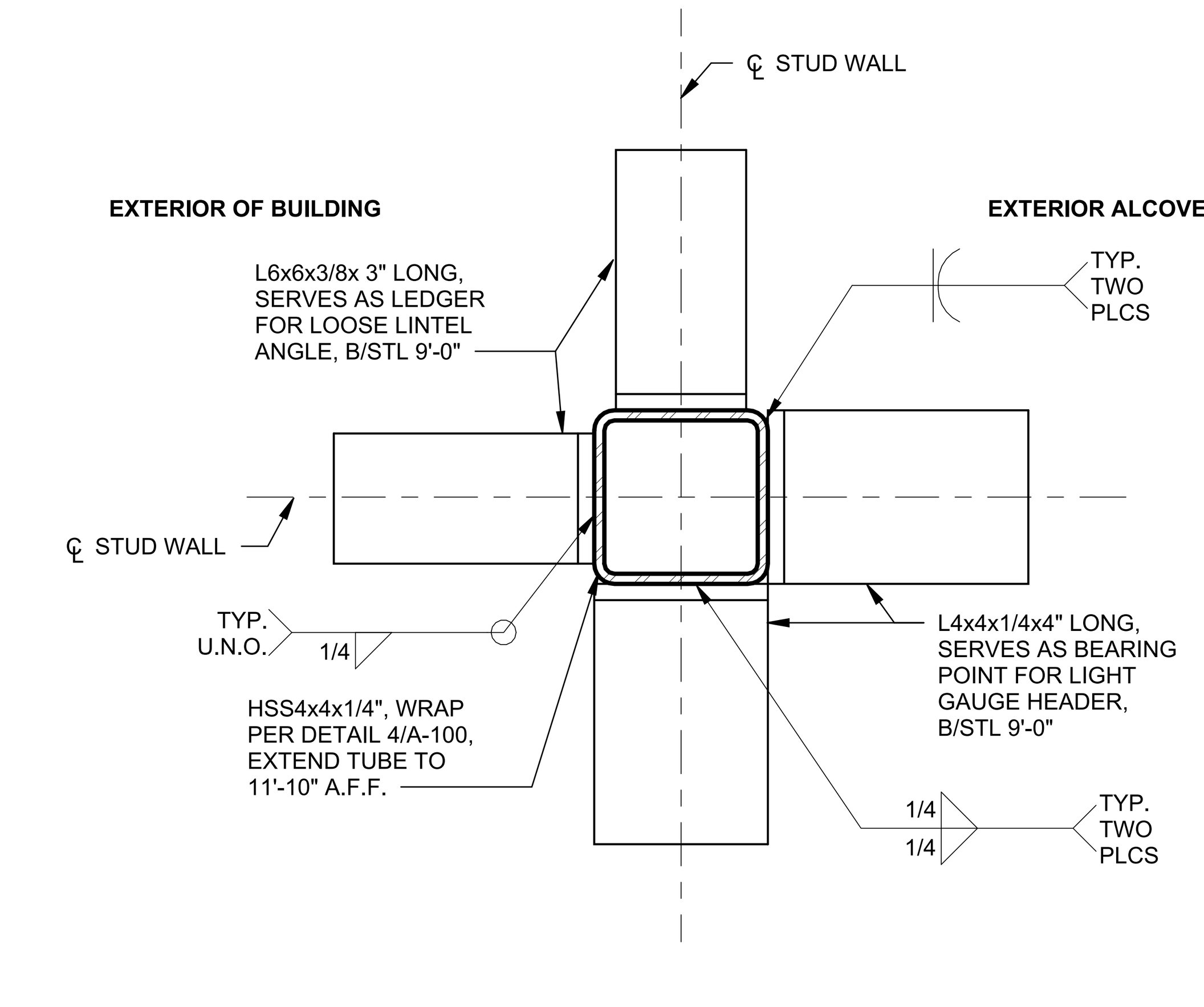
10 S-501

DETAIL
NO SCALE



11 S-501

DETAIL
NO SCALE



12 S-501

HSS COLUMN DETAIL
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PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

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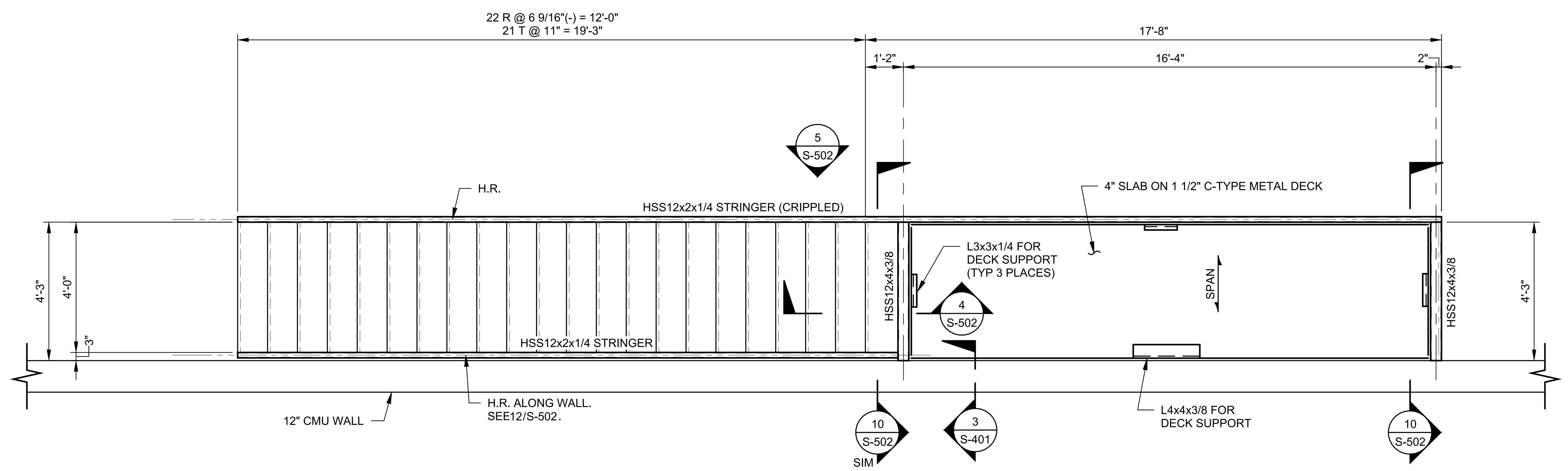
PROJECT NO.	3042.2403
DRAWN BY:	CB / BLB
CHECKED BY:	MWL
DATE:	04/03/2024

SHEET TITLE:
STEEL SECTIONS AND DETAILS

SCALE: AS NOTED

DRAWING NO. S-501 REV. A

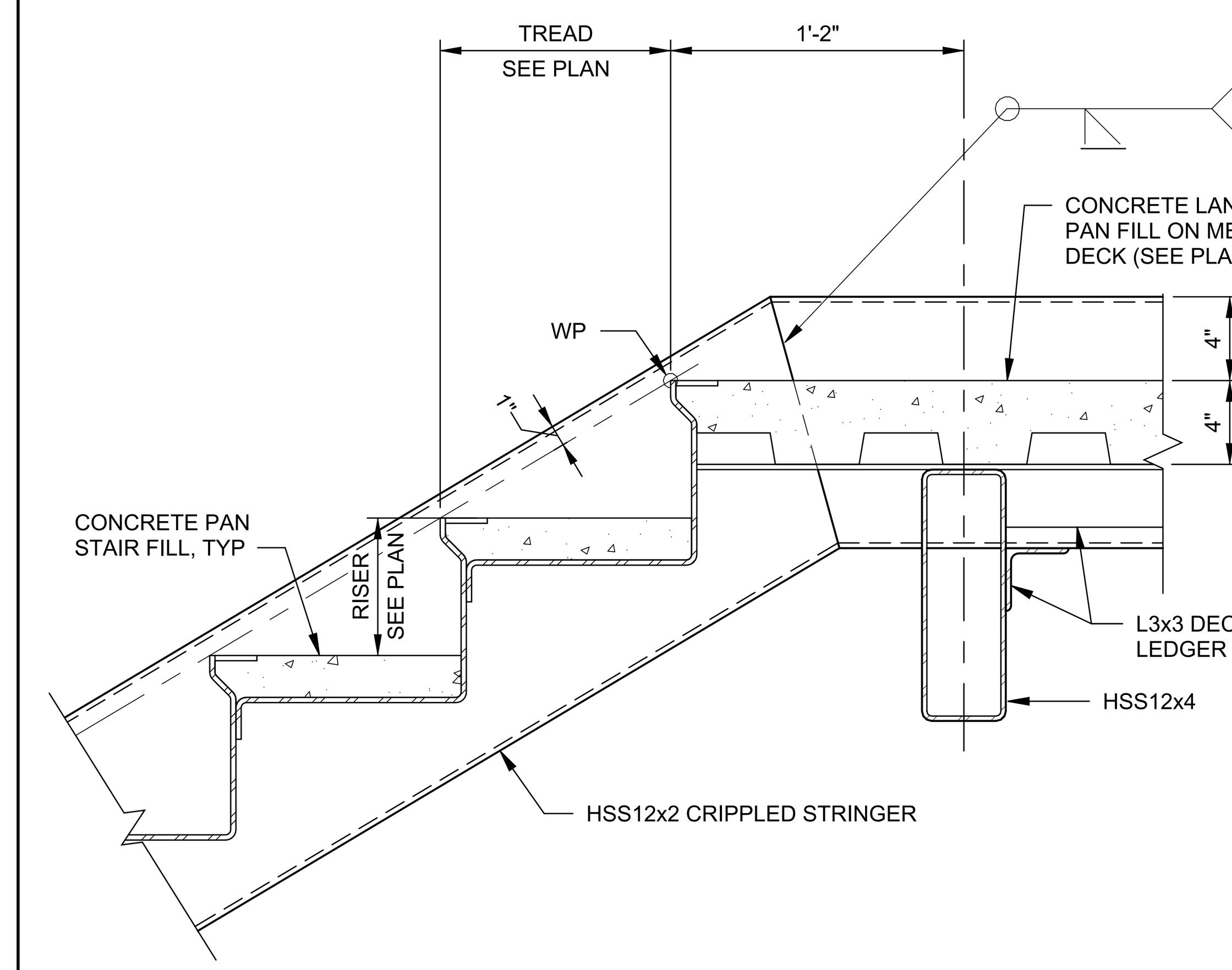


1
S-502

STAIR FRAMING PLAN

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

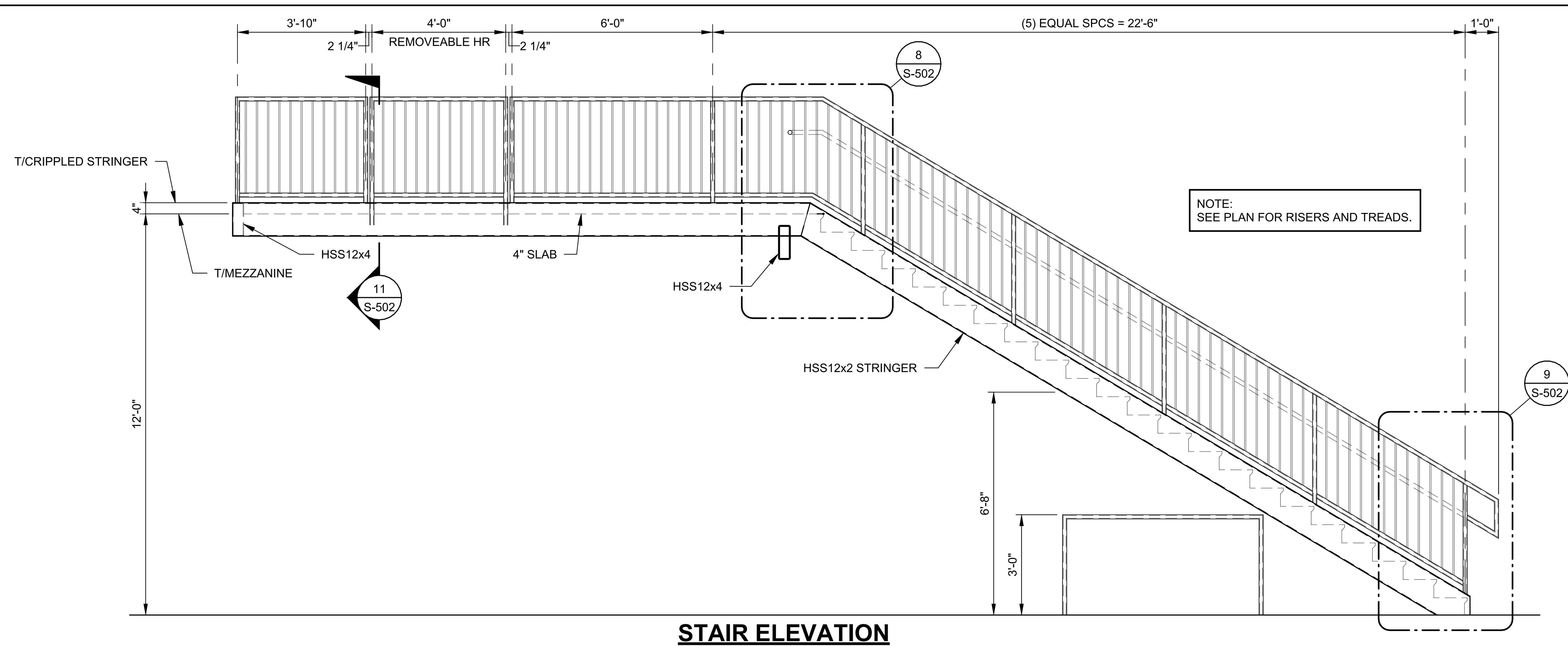
COORDINATE STAIR AND HANDRAIL DETAILS WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.



4
S-502

DETAIL

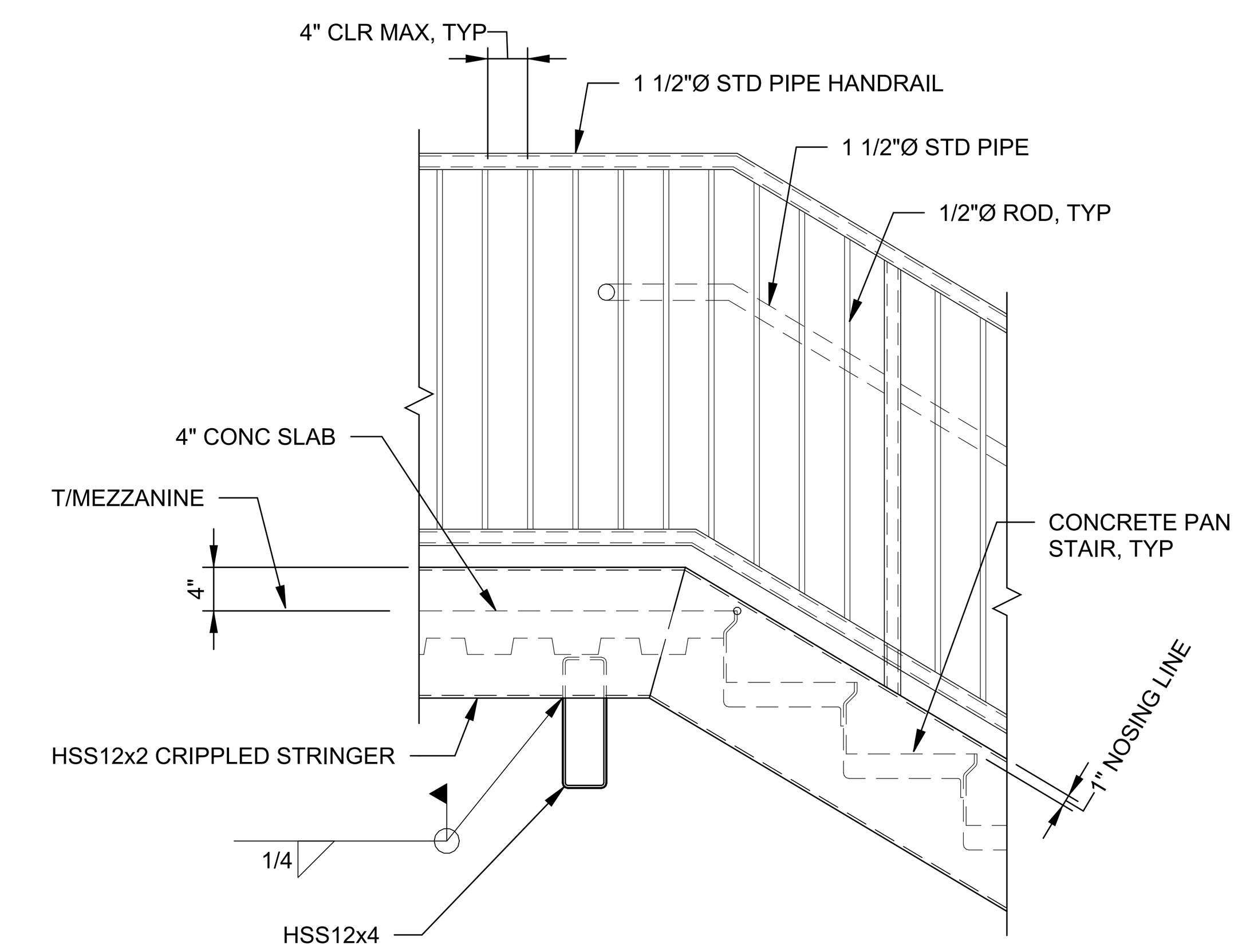
SCALE: 1 1/2" = 1'-0"



5
S-502

STAIR ELEVATION

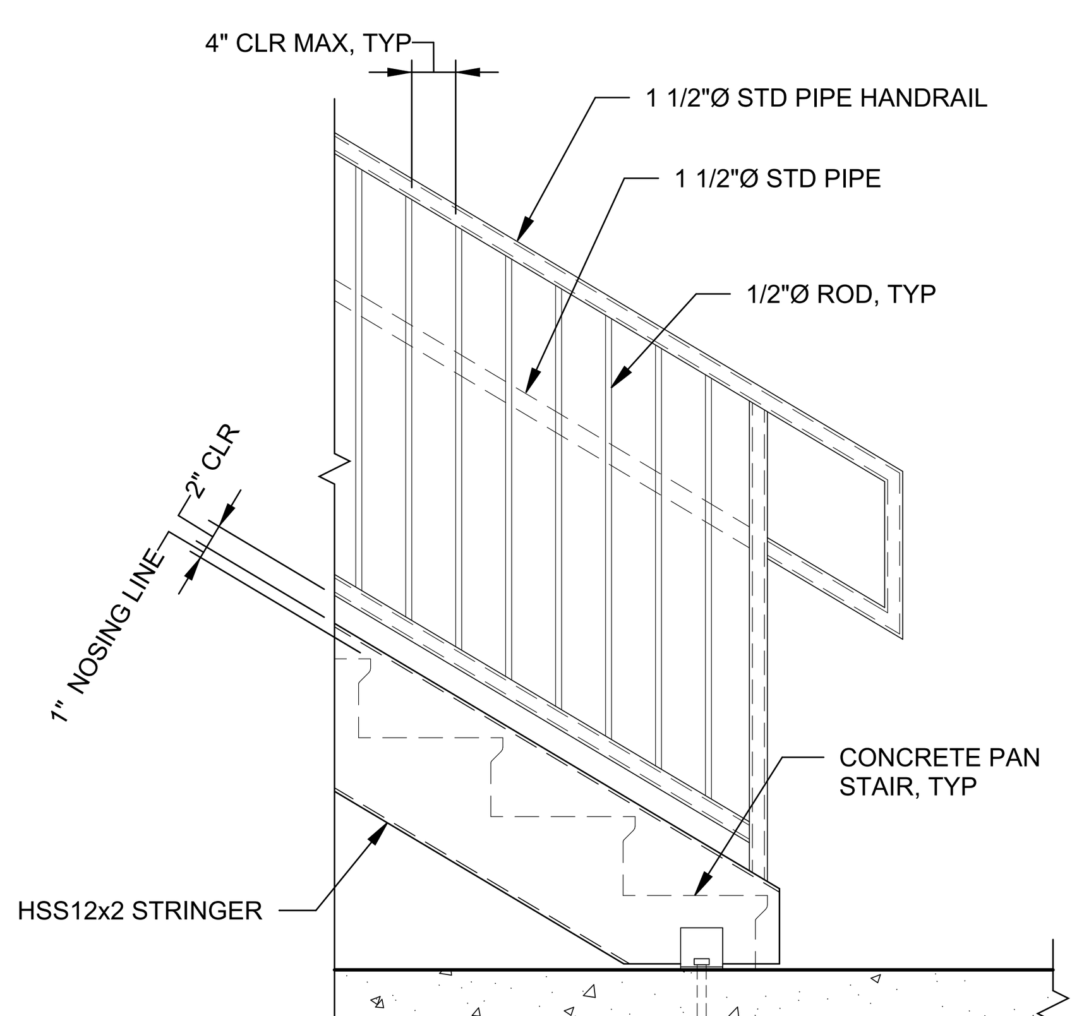
SCALE: 3/8" = 1'-0"



8
S-502

DETAIL

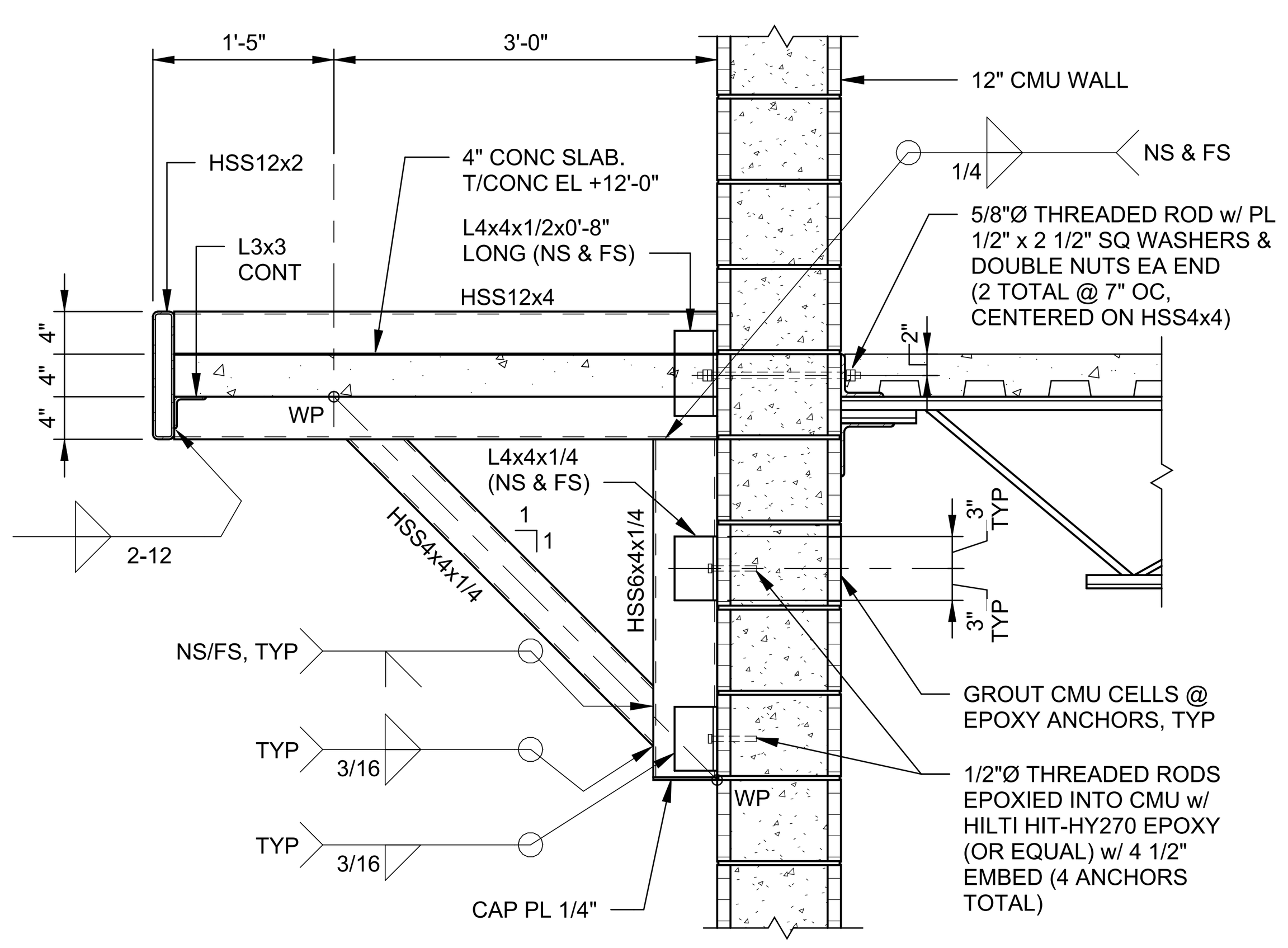
SCALE: 3/4" = 1'-0"



9
S-502

DETAIL

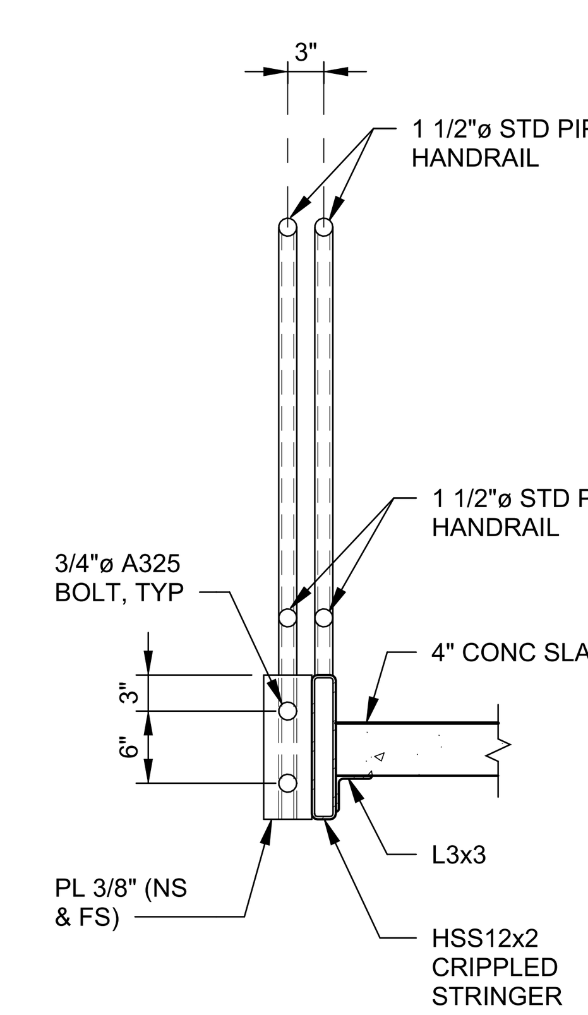
SCALE: 3/4" = 1'-0"



10
S-502

SECTION

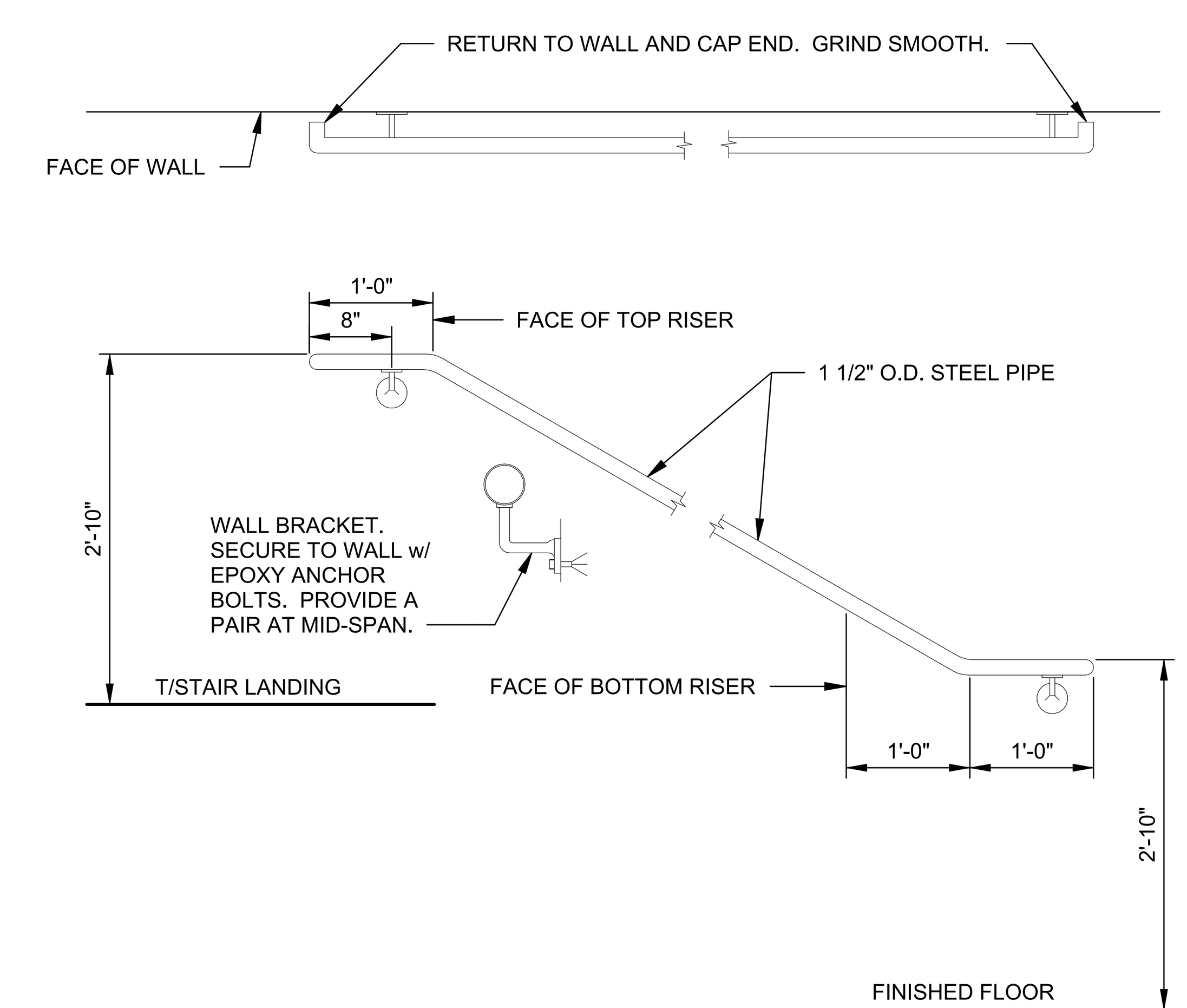
SCALE: 3/4" = 1'-0"



11
S-502

DETAIL

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



12
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DETAIL

NO SCALE

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FIRE STATION #3

PROJECT LOCATION:
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GEORGIA
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. PEF000356
EXPIRATION DATE: JUNE 30, 2026
CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
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PROJECT NO.	3042.2403
DRAWN BY:	BLB
CHECKED BY:	MWL
DATE:	04/03/2024

SHEET TITLE:
MEZZANINE STAIR PLAN, SECTIONS AND DETAILS

SCALE	AS NOTED
DRAWING NO.	S-502
REV.	A

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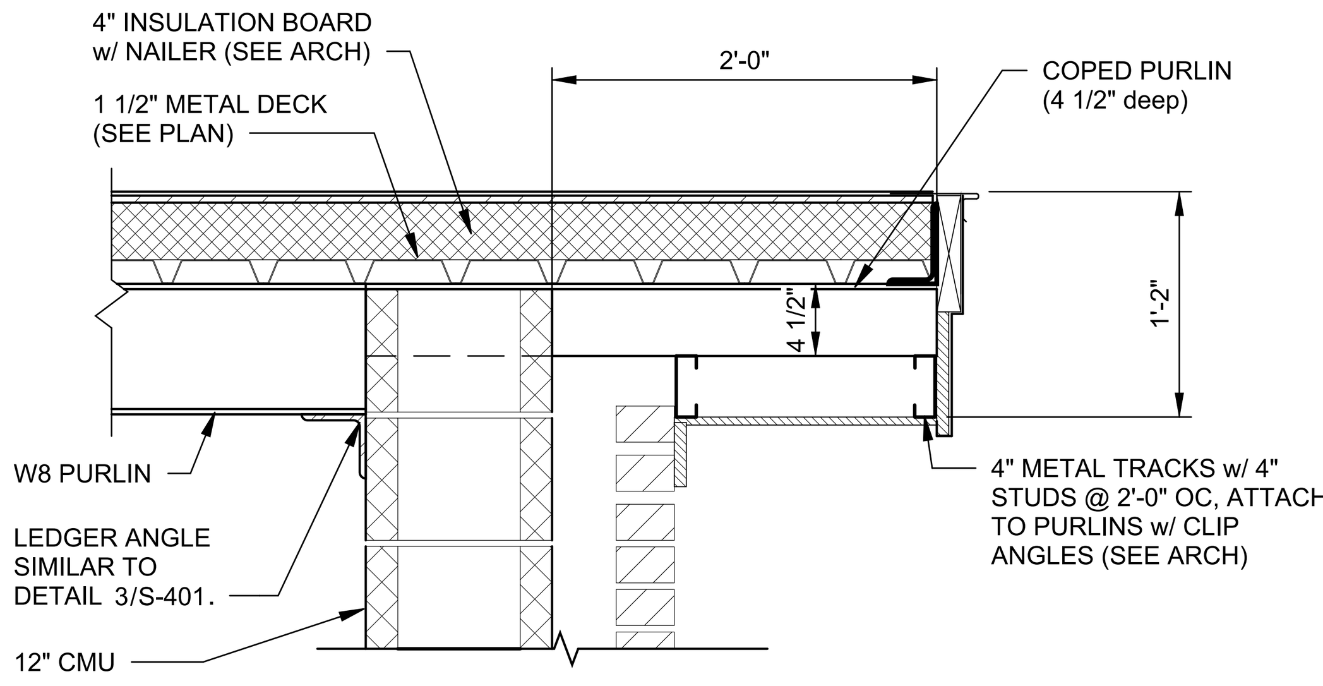
REV. 05/16/2024 JAP

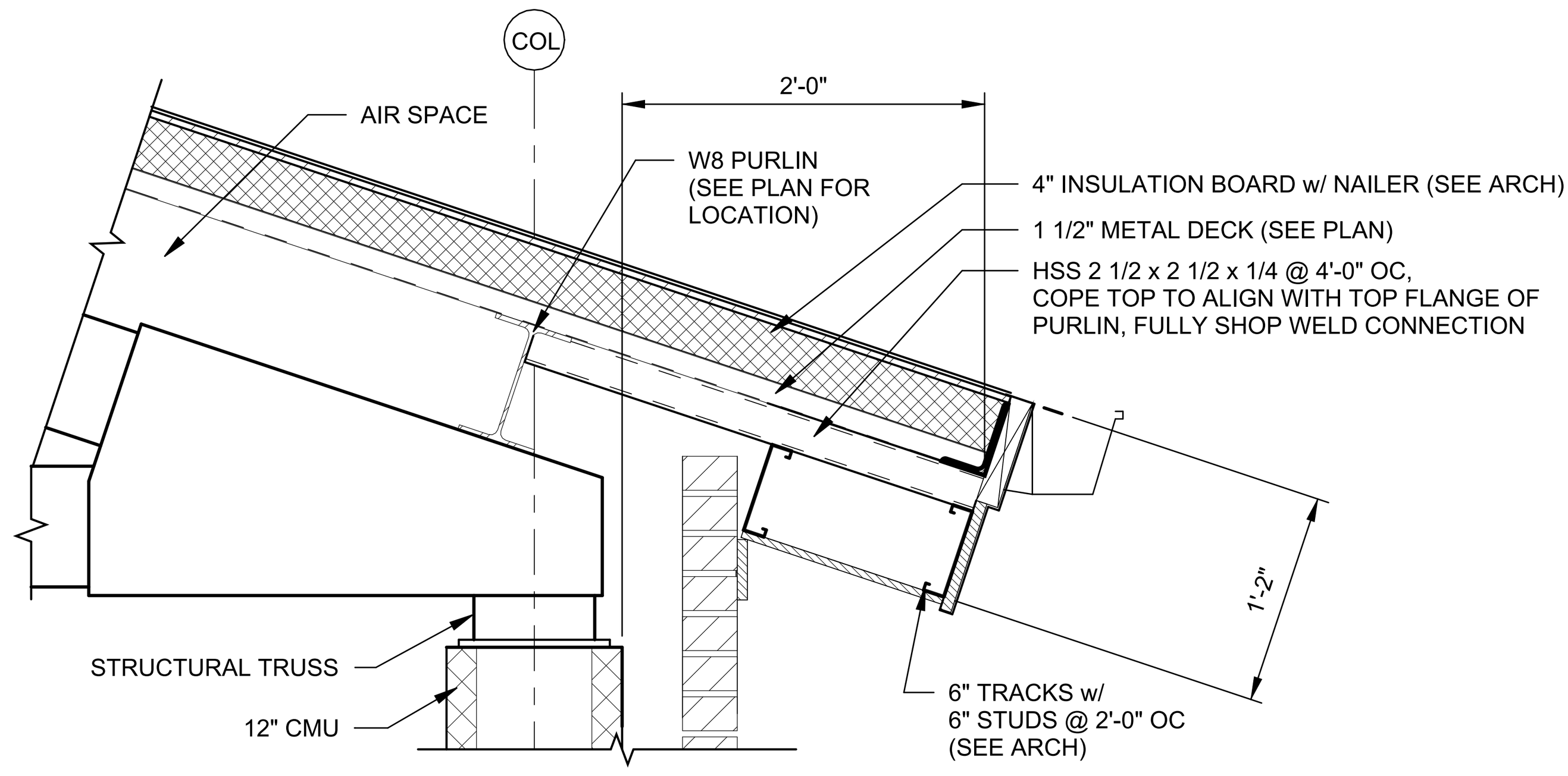


NOTE:
INSULATION/SIDING/FASCIA/SOFFIT SHOWN FOR REFERENCE ONLY. COORDINATE WITH ARCH.

1 / S-503

ROOF DETAIL- EAST/WEST

NO SCALE



NOTE:
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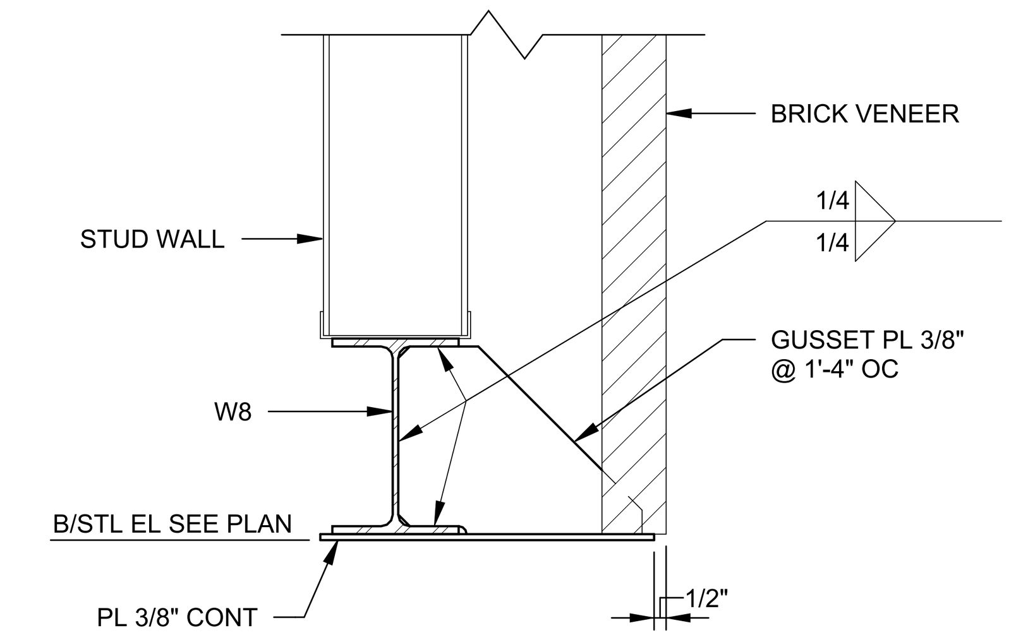
2 / S-503

ROOF DETAIL- NORTH/SOUTH

NO SCALE



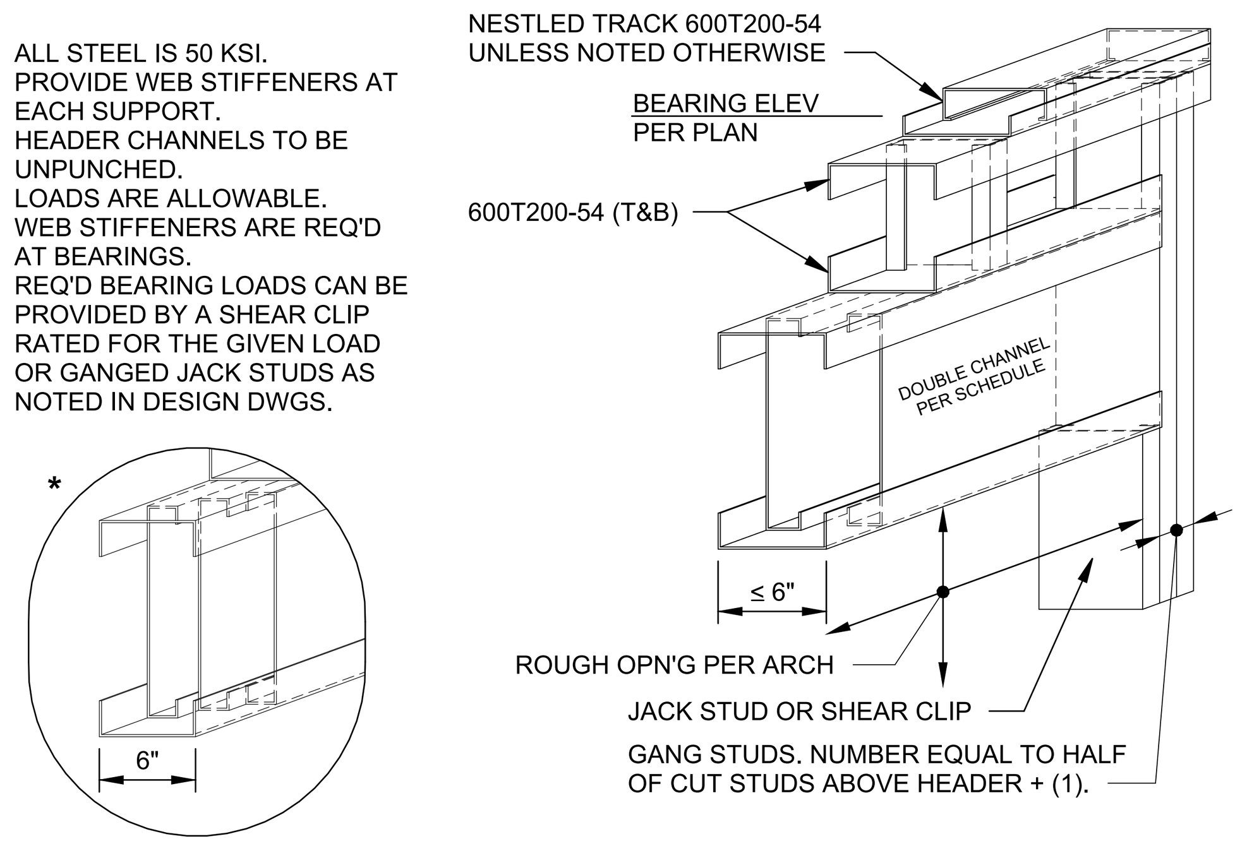
4 / S-503

DETAIL

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

ROUGH OPN'G SPAN	CHANNEL SIZE	MAX LOAD LBS / LF	MAX BEARING REQ'D EACH END LBS
1'-4" TO 6'	(2) 800S200-54 (8" DEEP x 2" FLANGE x 16 GAGE)	1,337	4,011
6'-1" TO 8'	(2) 1000S200-68 (10" DEEP x 2" FLANGE x 14 GAGE)	1,604	6,416
8'-1" TO 10'	(2) 1200S200-68 (12" DEEP x 2" FLANGE x 14 GAGE)	1,063	5,315
10'-1" TO 12'	(2) 1200S200-97 (12" DEEP x 2" FLANGE x 12 GAGE)	1,538	9,228
* XX'-XX"	(3) 1200S200-97 (12" DEEP x 2" FLANGE x 12 GAGE)	X	X

1. ALL STEEL IS 50 KSI.
2. PROVIDE WEB STIFFENERS AT EACH SUPPORT.
3. HEADER CHANNELS TO BE UNPUNCHED.
4. LOADS ARE ALLOWABLE.
5. WEB STIFFENERS ARE REQ'D AT BEARINGS.
6. REQ'D BEARING LOADS CAN BE PROVIDED BY A SHEAR CLIP RATED FOR THE GIVEN LOAD OR GANGED JACK STUDS AS NOTED IN DESIGN DWGS.



5 / S-503

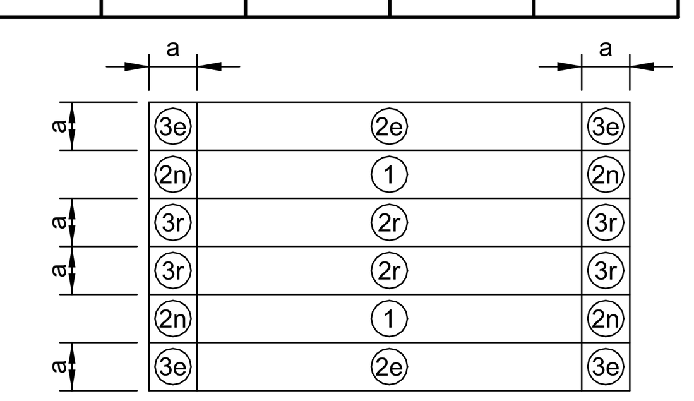
DETAIL

NO SCALE

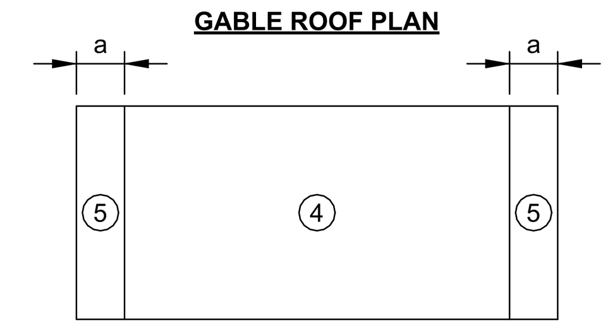
COMPONENTS & CLADDING EXTERNAL PRESSURE LOADS (psf)									
EFFECTIVE WIND AREA (SQ FT)		ASCE 7-16, CHAPTER 30 / BWS 130 / SLOPES 7-20 DEGREES							
ROOF	WALLS	(1)	(2e)	(2n)	(2r)	(3e)	(3r)	(4)	(5)
< 10	< 10	+20.6 -62.9	+20.6 -62.9	+25.4 -91.7	+25.4 -91.7	+25.4 -91.7	+20.6 -109	+34.0 -36.9	+34.0 -45.6
20	20	+17.9 -56.9	+17.9 -56.9	+17.9 -75.3	+17.9 -75.3	+17.9 -75.3	+17.9 -88.3	+30.5 -33.4	+30.5 -38.4
50	50	+16.0 -38.2	+16.0 -38.2	+16.0 -62.9	+16.0 -62.9	+16.0 -62.9	+16.0 -72.7	+27.4 -30.3	+27.4 -32.3
> 100	> 100	+16.0 -19.6	+16.0 -19.6	+16.0 -50.4	+16.0 -50.4	+16.0 -50.4	+16.0 -57.1	+25.4 -28.3	+25.4 -28.3

NOTES:

1. a = 6'-6"
2. POSITIVE PRESSURE VALUES REFER TO FORCES ACTING TOWARDS BUILDING. NEGATIVE PRESSURE VALUES REFER TO FORCES ACTING AWAY FROM BUILDING.
3. EACH COMPONENT MUST BE DESIGNED FOR MAXIMUM POSITIVE AND NEGATIVE FORCES.
4. FOR COMPONENTS HAVING EFFECTIVE AREAS IN BETWEEN TABULATED VALUES, DESIGN LOADS MAY BE INTERPOLATED. OTHERWISE DESIGN LOAD MUST BE TAKEN FROM THE NEXT LOWEST EFFECTIVE AREA.
5. THE FINAL NET DESIGN WIND PRESSURE, INCLUDING ALL PERMITTED REDUCTIONS, SHALL NOT BE LESS THAN 16 psf ACTING IN EITHER DIRECTION.



GABLE ROOF PLAN



WALL ELEVATION

6 / S-503

COMPONENTS AND CLADDING

NO SCALE

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PROJECT NO.	3042.2403
DRAWN BY:	BLB
CHECKED BY:	MWL
DATE:	04/03/2024

SHEET TITLE:
STEEL SECTIONS AND DETAILS

SCALE: AS NOTED
DRAWING NO. S-503
REV. A

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FIRE PROTECTION GENERAL NOTES:

GENERAL:
THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PRODUCT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

WORK COVERED BY THIS DOCUMENT SHALL INCLUDE ALL LABOR, MATERIAL, PRODUCTS, AND SERVICES FOR, AND INCIDENTAL TO, INSTALLATION OF COMPLETE AND OPERATING HVAC SYSTEMS DRAWN OR SPECIFIED.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, NFPA 13, NFPA 14, NFPA 20, NFPA 22, NFPA 24, INTERNATIONAL BUILDING CODE w/ AMENDMENTS, AND INTERNATIONAL FIRE CODE w/ AMENDMENTS.

ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ARCHITECT OR ENGINEER.

SPRINKLER PIPE SIZING, PIPE ROUTING, SPRINKLER LOCATIONS, AND PIPE SUPPORTS/BRACING BY SPRINKLER CONTRACTOR. PROVIDE SHOP DRAWINGS, HYDRAULIC CALCULATIONS, AND EQUIPMENT SUBMITTALS FOR REVIEW BY ENGINEER, AHJ, AND OWNER. SEE DIVISION 21 SPECIFICATIONS, IF APPLICABLE.

EXACT LOCATIONS AND ROUGHING REQUIREMENTS FOR PIPING AND EQUIPMENT SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS, LARGE SCALE ARCHITECTURAL DETAILS, AND APPROVED MANUFACTURER'S SHOP DRAWINGS. PARTICULAR ATTENTION SHALL BE DIRECTED TO FIXTURES OR EQUIPMENT FURNISHED UNDER OTHER DIVISIONS.

SEE ARCHITECTURAL PLANS FOR WALL CONSTRUCTION AND REFLECTED CEILING PLANS.

EXACT LOCATION OF PIPING SHALL BE DETERMINED BY JOB CONDITIONS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF HIS WORK WITH THAT OF OTHER TRADES AND ARRANGE PIPING TO CLEAR STRUCTURAL MEMBERS AND DUCTWORK.

IN FIRE WALLS, PACK ANNULAR SPACE BETWEEN PIPE AND WALL WITH FIRESTOP COMPOUND IN ACCORDANCE WITH ITS UL LISTING.

PIPING AND FITTINGS:
UNDERGROUND FIRE-SUPPRESSION WATER-SERVICE PIPING SHALL BE MECHANICAL-JOINT, DUCTILE-IRON PIPE; MECHANICAL-JOINT, DUCTILE- OR GRAY-IRON, STANDARD-PATTERN OR DUCTILE-IRON, COMPACT-PATTERN FITTINGS; GLANDS, GASKETS, AND BOLTS; AND GASKETED JOINTS.

WET-PIPE SPRINKLER SYSTEM, NPS 2 AND SMALLER, SHALL BE STANDARD-WEIGHT, BLACK-STEEL PIPE WITH THREADED ENDS; UNCOATED, GRAY-IRON THREADED FITTINGS; AND THREADED JOINTS.

WET-PIPE SPRINKLER SYSTEM, NPS 2-1/2 AND LARGER, SHALL BE SCHEDULE 10, BLACK-STEEL PIPE WITH ROLL-GROOVED ENDS; UNCOATED, GROOVED-END FITTINGS FOR STEEL PIPING; GROOVED-END-PIPE COUPLINGS FOR STEEL PIPING; AND GROOVED JOINTS.

LISTED FIRE-PROTECTION VALVES:
VALVES SHALL BE UL LISTED AND FM APPROVED, WITH MINIMUM 175-PSIG PRESSURE RATING. VALVES FOR GROOVED-END PIPING MAY BE FURNISHED WITH GROOVED ENDS INSTEAD OF TYPE OF ENDS SPECIFIED.

CHECK VALVES, NPS 2 OR SMALLER, SHALL BE UL 312, SWING CHECK TYPE, BRONZE BODY, AND THREADED ENDS.

CHECK VALVES, NPS 2-1/2 OR LARGER, SHALL BE UL 312, SWING CHECK TYPE, CAST OR DUCTILE IRON BODY, AND FLANGED OR GROOVED ENDS.

OS&Y GATE VALVES, NPS 2 AND SMALLER, SHALL BE UL 262, BRONZE BODY, EXTERNAL SUPERVISORY SWITCH, AND THREADED ENDS.

OS&Y GATE VALVES, NPS 2-1/2 AND LARGER, SHALL BE UL 262, CAST OR DUCTILE IRON BODY, EXTERNAL SUPERVISORY SWITCH, AND FLANGED OR GROOVED ENDS.

INDICATING-TYPE VALVES, NPS 2 AND SMALLER, SHALL BE UL 1091, BALL OR BUTTERFLY TYPE, BRONZE BODY, INTERNAL SUPERVISORY SWITCH, AND THREADED ENDS.

INDICATING-TYPE VALVES, NPS 2-1/2 AND LARGER, SHALL BE UL 1091, BUTTERFLY TYPE, CAST OR DUCTILE IRON BODY, INTERNAL SUPERVISORY SWITCH, AND FLANGED OR GROOVED ENDS.

SPECIALTY VALVES:
VALVES SHALL BE UL LISTED AND FM APPROVED, WITH MINIMUM 175-PSIG PRESSURE RATING. VALVES FOR GROOVED-END PIPING MAY BE FURNISHED WITH GROOVED ENDS INSTEAD OF TYPE OF ENDS SPECIFIED.

ALARM CHECK VALVES SHALL BE UL 193, DESIGNED FOR HORIZONTAL OR VERTICAL INSTALLATION, AND INCLUDE TRIM SETS FOR BYPASS, DRAIN, ELECTRICAL SPRINKLER ALARM SWITCH, PRESSURE GAGES, RETARDING CHAMBER, AND FILL-LINE ATTACHMENT WITH STRAINER.

AUTOMATIC (BALL DRIP) DRAIN VALVES SHALL BE UL 1726, AUTOMATIC DRAINING, BALL CHECK, NPS 3/4, AND THREADED ENDS.

SPRINKLERS:
SPRINKLERS SHALL BE UL LISTED OR FM APPROVED, WITH MINIMUM 175-PSIG PRESSURE RATING.

AUTOMATIC SPRINKLERS WITH HEAT-RESPONSIVE ELEMENT SHALL BE UL 199, NOMINAL 1/2-INCH ORIFICE WITH DISCHARGE COEFFICIENT K OF 5.6, AND FOR "ORDINARY" TEMPERATURE CLASSIFICATION RATING UNLESS OTHERWISE INDICATED OR REQUIRED BY APPLICATION.

SPRINKLER FINISHES SHALL BE CHROME PLATED, BRONZE, OR PAINTED, AS INDICATED.

SPRINKLER ESCUTCHEONS SHALL BE CHROME-PLATED STEEL, ONE PIECE, FLAT.

SPRINKLER GUARDS SHALL BE UL 199, WIRE CAGE WITH FASTENING DEVICE FOR ATTACHING TO SPRINKLER.

ALARM DEVICES:
DEVICES SHALL BE UL LISTED OR FM APPROVED. ALARM-DEVICE TYPES SHALL MATCH PIPING AND EQUIPMENT CONNECTIONS.

ELECTRICALLY OPERATED ALARM BELL SHALL BE UL 464; VIBRATING, METAL ALARM BELL; 8-INCH MINIMUM DIAMETER; RED-ENAMEL FACTORY FINISH, SUITABLE FOR OUTDOOR USE.

WATER-FLOW INDICATORS SHALL BE UL 346; ELECTRICALLY SUPERVISED; TWO SINGLE POLE, DOUBLE THROW CIRCUIT SWITCHES FOR ISOLATED ALARM AND AUXILIARY CONTACTS, 7A , 125VAC, AND 0.25AM 24VDC; COMPLETE WITH FACTORY-SET, FIELD-ADJUSTABLE RETARD ELEMENT TO PREVENT FALSE SIGNALS AND TAMPERPROOF COVER THAT SENDS SIGNAL IF REMOVED; PADDLE OPERATED, 250 PSIG PRESSURE RATING.

VALVE SUPERVISORY SWITCHES SHALL BE UL 346; ELECTRICALLY SUPERVISED; SINGLE POLE, DOUBLE THROW SWITCH WITH NORMALLY CLOSED CONTACTS; DESIGNED TO SIGNAL THAT CONTROLLED VALVE IS IN OTHER THAN FULLY OPEN POSITION.

SUBMITTALS:
PROVIDE SHOP DRAWINGS, HYDRAULIC CALCULATIONS, AND EQUIPMENT SUBMITTALS FOR REVIEW BY ENGINEER, AHJ, AND OWNER.

APPLICABLE CODES AND STANDARDS

CODES AND STANDARDS	EDITION
INTERNATIONAL BUILDING CODE (IBC)	2018
INTERNATIONAL FIRE CODE (IFC)	2018
NFPA 13	2019
NFPA 24	2019

HAZARD CLASSIFICATION:

ALL AREAS SHALL BE REGARDED AS LIGHT HAZARD UNLESS NOTED OTHERWISE.

L.H. - LIGHT HAZARD, PER NFPA 13

OH-1 - ORDINARY HAZARD, GROUP 1, PER NFPA 13

LEGEND:

FS - FIRE SPRINKLER PIPING

NS - NON-SPRINKLERED AREA

FIRE BARRIER LEGEND:

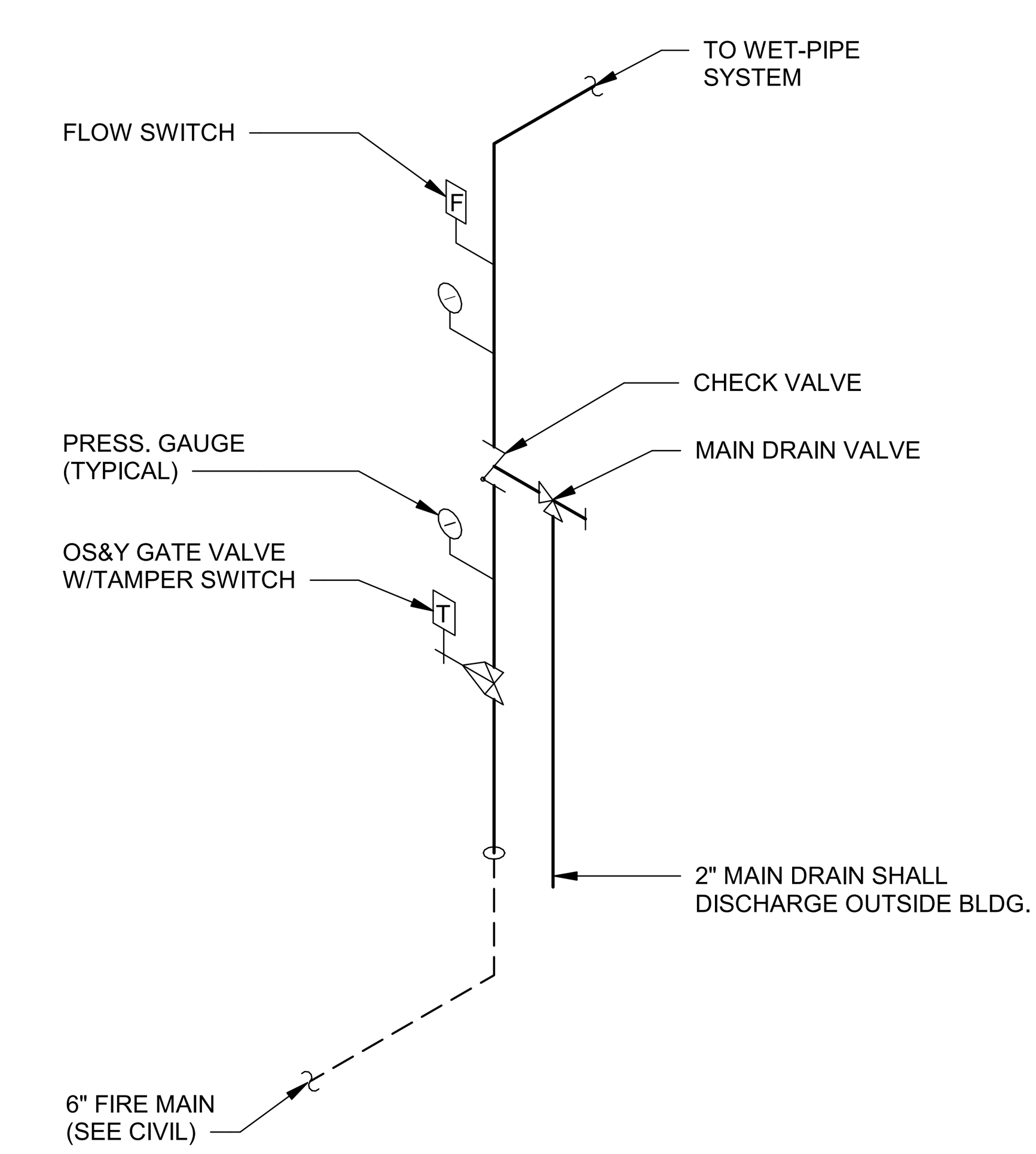
- 1 HOUR FIRE-RATED CONSTRUCTION
- 2 HOUR FIRE-RATED CONSTRUCTION

DESIGN CRITERIA:

1. TYPES OF SYSTEMS:
   - WET PIPE
2. DENSITY / DESIGN AREA (OFFICE AREAS):
   - L.H. - 0.10 GPM/FT^2 OVER H.M.D. 1500 FT^2
   - OH-1 - 0.15 GPM/FT^2 OVER H.M.D. 1500 FT^2
   - DESIGN AREA SHALL BE INCREASED BY 30% FOR SLOPED CEILINGS, COMPLYING WITH NFPA 13, 19.3.3.2.4
3. SPRINKLERS SHALL BE:
   - 5.6 K-FACTOR AND A TEMPERATURE RATING OF 165°F
   - UPRIGHT TYPE FOR ROOMS WITHOUT CEILINGS
   - RECESSED PENDENT TYPE FOR ROOMS WITH CEILINGS
   - SIDEWALL TYPE FOR WALL MOUNTING
   - BRIGHT CHROME WITH BRIGHT CHROME ESCUTCHEON IN FINISHED SPACES EXPOSED TO VIEW, ROUGH BRONZE IN UNFINISHED SPACES NOT EXPOSED TO VIEW
4. MAXIMUM PROTECTION AREA PER SPRINKLER SHALL NOT EXCEED 225 FT^2 FOR LIGHT HAZARD AND 130 FT^2 FOR ORDINARY HAZARD.
5. PROVIDE SEISMIC BRACING PER NFPA AND IBC.
6. HOSE ALLOWANCE SHALL BE 100 GPM FOR LIGHT HAZARD OCCUPANCIES AND 250 GPM FOR ORDINARY HAZARD OCCUPANCIES.
7. COMPLY WITH NFPA 13 FOR ABOVEGROUND PIPING AND NFPA 24 FOR UNDERGROUND PIPING.

FIRE FLOW TEST DATA:

1. TEST DATE: 11/06/2018
2. PERFORMED BY: JEMAL STUKES OF AUGUSTA UTILITIES DEPARTMENT
3. LOCATION OF RESIDUAL FIRE HYDRANT R: 2868 OLD HIGHWAY 1
4. LOCATION OF FLOW FIRE HYDRANT F: 2832 OLD HIGHWAY 1
5. STATIC PRESSURE OF RESIDUAL FIRE HYDRANT R: 115 PSIG
6. MEASURED FLOW ARE FLOW HYDRANT F: 1,645 GPM
7. RESIDUAL PRESSURE AT RESIDUAL HYDRANT R: 105 PSIG
8. CONTRACTOR SHALL VERIFY AVAILABLE FLOW WITH NEW FLOW TEST FOR DESIGN PURPOSES IF ABOVE DATE IS MORE THAN SIX MONTHS OLD.



NOTE:
BFP, FDC, AND PIV LOCATED OUTSIDE.
(SEE CIVIL DRAWINGS)

1 F-001 FIRE SPRINKLER RISER SCHEMATIC
NO SCALE

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WWW.THEJLAGROUP.COM

CLIENT: AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA No. PE042747 PROFESSIONAL ENGINEER MICHAEL NICHOLAS BOOKER 4-29-25

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	MNB	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	MNB
CHECKED BY:	CVW
DATE:	04/03/2024

SHEET TITLE:
FIRE PROTECTION GENERAL NOTES AND LEGEND

SCALE: AS NOTED

DRAWING NO.: F-001 REV.: A

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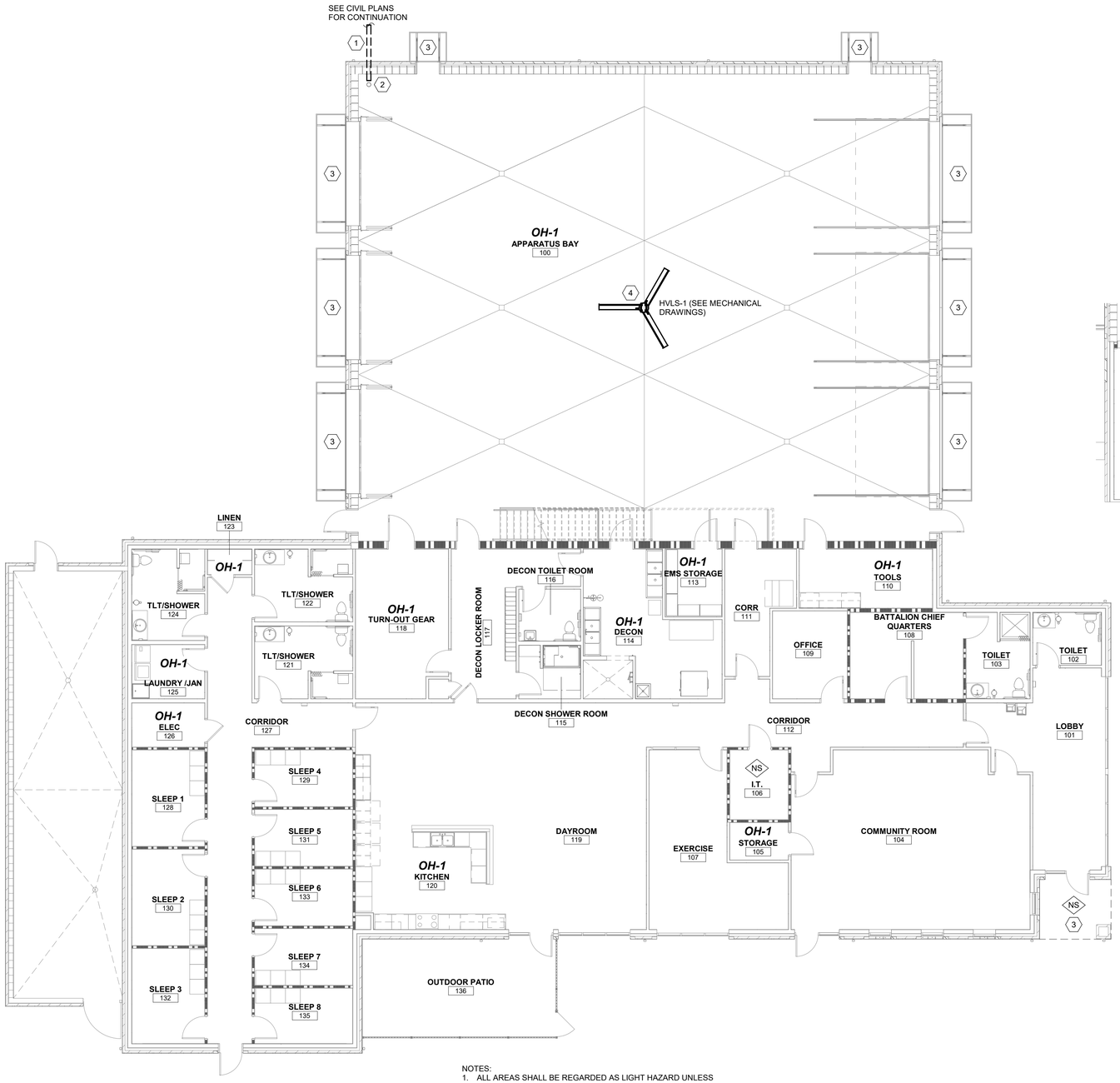
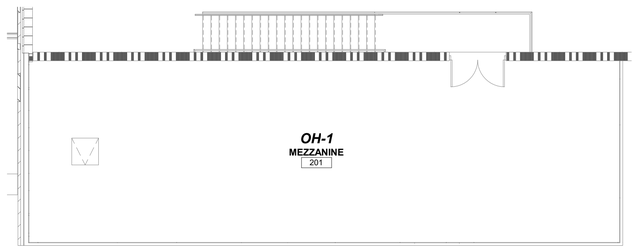
CONSTRUCTION NOTES:

1. 6"Ø INCOMING FIRE PROTECTION SERVICE. BFP, FDC, AND PIV LOCATED ON SITE. SEE CIVIL DRAWINGS.
2. 6"Ø SERVICE ENTRANCE; 4"Ø WET-PIPE RISER. SEE FIRE SPRINKLER RISER SCHEMATIC ON 1/F-001.
3. EXTERIOR CANOPIES AND SIMILAR PROJECTIONS ARE CONSTRUCTED OF MATERIALS THAT ARE NON-COMBUSTIBLE, AND THEREFORE ARE NON-SPRINKLERED IN ACCORDANCE WITH NFPA 13, 9.2.3.2.
4. INSTALL SPRINKLERS AROUND HVLS FAN PER NFPA 13, 19.2.7.



NOTES:
1. ALL AREAS SHALL BE REGARDED AS LIGHT HAZARD UNLESS NOTED OTHERWISE.
2. ALL PIPING INSTALLED UNDER THE MEZZANINE SHALL BE ROUTED THROUGH THE JOISTS, U.N.O..
3. COORDINATE WITH THE HVAC CONTRACTOR THE LOCATION OF DUCTWORK AND HVAC EQUIPMENT BEFORE INSTALLING PIPING IN THE BUILDING.

1 / F-101 **FIRE PROTECTION PLAN**
SCALE: 1/8" = 1'-0"



2 / F-101 **MEZZANINE FIRE PROTECTION PLAN**
SCALE: 1/8" = 1'-0"

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

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CLIENT:
AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME:
FIRE STATION #3

PROJECT LOCATION:
2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE042747
11-24-25
MICHAEL NICHOLAS BOOKER

GEORGIA
JOHNSON, LASCHOBER & ASSOCIATES, P.C.
No. PEF000356
EXPIRATION DATE: JUNE 30, 2026
CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	MNB	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	MNB
CHECKED BY:	CVW
DATE:	04/03/2024

SHEET TITLE:
FIRE PROTECTION PLANS

SCALE: AS NOTED

DRAWING NO. **F-101** REV. **A**

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REV 09/19/2024 AAP

PLUMBING GENERAL NOTES:

GENERAL:
THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PRODUCT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

WORK COVERED BY THIS DOCUMENT SHALL INCLUDE ALL LABOR, MATERIAL, PRODUCTS, AND SERVICES FOR, AND INCIDENTAL TO, INSTALLATION OF COMPLETE AND OPERATING PLUMBING SYSTEMS DRAWN OR SPECIFIED.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, INTERNATIONAL PLUMBING CODE w/ AMENDMENTS, INTERNATIONAL FUEL GAS CODE w/ AMENDMENTS, ADA STANDARDS FOR ACCESSIBLE DESIGN AND ALL ADA AMENDMENTS.

ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ARCHITECT OR ENGINEER.

INSTALL ALL PLUMBING FIXTURES PER MANUFACTURER'S INSTRUCTIONS.

EXACT LOCATIONS AND ROUGHING REQUIREMENTS FOR ALL FIXTURES AND EQUIPMENT SHALL BE DETERMINED FROM ARCHITECTURAL DRAWINGS, LARGE SCALE ARCHITECTURAL DETAILS, AND APPROVED MANUFACTURER'S SHOP DRAWINGS. PARTICULAR ATTENTION SHALL BE DIRECTED TO FIXTURES OR EQUIPMENT FURNISHED UNDER OTHER DIVISIONS.

PIPING IS SHOWN IN ITS GENERAL LOCATION (UNLESS DIMENSIONED). EXACT LOCATION SHALL BE DETERMINED BY JOB CONDITIONS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF HIS WORK WITH THAT OF OTHER TRADES AND ARRANGE PIPING TO CLEAR STRUCTURAL MEMBERS AND DUCTWORK. EXACT LOCATIONS SHALL BE PROVIDED ON "AS-BUILT" DRAWINGS.

MINIMUM SIZE WATER LINE FOR THREE OR MORE FIXTURES SHALL BE 3/4". REFER TO PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL RUNOUT SIZES.

ALL PIPING TO BE CONCEALED IN A WALL, CEILING, OR A CHASE UNLESS OTHERWISE NOTED. PIPING SHOWN OUT OF CHASES FOR CLARITY.

PROVIDE SLEEVES FOR PIPES PASSING THROUGH FLOORS, MASONRY WALLS AND FIRE OR SMOKE PARTITIONS. PACK MINERAL WOOL IN ANNULAR SPACE BETWEEN PIPE SLEEVE.

REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE MOUNTING HEIGHTS. ALL ACCESSIBLE FIXTURES SHALL COMPLY WITH STATE BUILDING CODE AND ADA STANDARDS FOR ACCESSIBLE DESIGN.

ARRANGEMENTS OF WORK SHALL BE AS SHOWN. DRAWINGS ARE NOT INTENDED TO INDICATE ALL OFFSETS AND FITTINGS. EXAMINE ALL DRAWINGS, INVESTIGATE CONDITIONS TO BE ENCOUNTERED AND ARRANGE WORK ACCORDINGLY; FURNISH ALL FITTINGS AND OFFSETS.

MEASUREMENT OF DRAWINGS BY SCALE SHALL NOT BE USED AS DIMENSIONS FOR FABRICATION. MEASUREMENTS FOR LOCATING FIXTURES, EQUIPMENT, DUCTWORK, PIPING AND ACCESSORIES SHALL BE MADE ON THE SITE AND SHALL BE BASED ON ACTUAL JOB CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEASUREMENTS WHERE THE CONTRACTOR PREFABRICATES ANY WORK BASED ON THE DRAWINGS WITHOUT VERIFYING ACTUAL JOB CONDITIONS, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COST INVOLVED IN MAKING CHANGES TO PREFABRICATED WORK WHERE CONFLICTS OCCUR.

ARRANGE FOR CHASES, SLOTS, AND OPENINGS IN OTHER BUILDING COMPONENTS DURING PROGRESS OF CONSTRUCTION TO ALLOW FOR INSTALLATIONS.

INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT LEVEL, PLUMB, PARALLEL, AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS.

COPPER PIPING SHALL NOT BE INSTALLED IN DIRECT CONTACT WITH MASONRY, CEMENT MORTAR, CONCRETE, OR DISSIMILAR METALS. PLUMBING CONTRACTOR TO PROVIDE SLEEVES AND COORDINATE w/ GENERAL CONTRACTOR DURING SLAB INSTALLATION.

CUTTING AND REPAIRING: THE PLUMBING CONTRACTOR SHALL DO ALL CUTTING AND REPAIRING OF WALLS, FLOORS, CEILINGS, ETC. NECESSARY FOR THE INSTALLATION OF THE WORK BUT HE SHALL NOT CUT INTO ANY STRUCTURAL MEMBER WITHOUT THE PERMISSION OF THE ARCHITECT.

PROVIDE SHOCK ABSORBERS AS INDICATED ON PLANS.

PLUMBING CONTRACTOR TO PROVIDE PROPER SEPARATION BETWEEN WATER SUPPLY AND WASTE/SANITARY PIPING PER INTERNATIONAL PLUMBING CODE.

PLUMBING CONTRACTOR TO PROVIDE PREPRINTED 1/2" HIGH LETTERED LABELS FOR THE FOLLOWING: INTERIOR MAIN SHUT-OFF VALVE, POTABLE WATER SUPPLY PIPING, & HOT WATER PIPING. LABELS SHOULD BE MOUNTED EVERY 20'-0" ON HORIZONTAL RUNS.

GENERAL CONTRACTOR TO PROVIDE ACCESS PANELS FOR ALL INACCESSIBLE, ABOVE CEILING VALVES AND EQUIPMENT. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

ALL LAVATORIES LOCATED IN PUBLIC TOILET FACILITIES SHALL DELIVER TEMPERED WATER THROUGH AN APPROVED WATER-TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070/ASME A112.1070/CSA B125.70 OR CSA B125.3, PER THE IPC.

DOMESTIC WATER PIPING:
UNDER-BUILDING SLAB, DOMESTIC WATER, BUILDING SERVICE PIPING SHALL BE SOFT COPPER TUBING, ASTM B 88, TYPE K, WITH WROUGHT-COPPER, SOLDER-JOINT FITTINGS, AND BRAZED JOINTS. AVOID JOINTS UNDER BUILDING SLAB WHERE POSSIBLE.

ALL OTHER UNDER-BUILDING SLAB, DOMESTIC WATER PIPING SHALL BE SOFT COPPER TUBING, ASTM B 88, TYPE L, WITH WROUGHT-COPPER, SOLDER-JOINT FITTINGS, AND BRAZED JOINTS. AVOID JOINTS UNDER BUILDING SLAB WHERE POSSIBLE.

ALL ABOVEGROUND DOMESTIC WATER PIPING SHALL BE HARD COPPER TUBING, ASTM B 88, TYPE L, WITH CAST- OR WROUGHT-COPPER, SOLDER-JOINT FITTINGS, AND SOLDERED JOINTS.

ALL INDOOR DOMESTIC COLD, HOT, AND RECIRCULATED HOT WATER PIPING SHALL BE INSULATED WITH 1 INCH THICK MINERAL-FIBER, PREFORMED PIPE INSULATION, COMPLYING WITH ASTM C 547, TYPE I, GRADE A, WITH FACTORY-APPLIED ASJ. INSTALL INSULATION CONTINUOUSLY THROUGH WALL, PARTITION, FLOOR, AND ROOF PENETRATIONS.

SANITARY WASTE AND VENT PIPING:
ALL SOIL, DRAIN, WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC-DWV WITH SOLVENT WELD JOINTS, CONFORMING TO ASTM D 2665 AND ASTM D 2564.

ALL SOIL, DRAIN, WASTE AND VENT PIPING LOCATED UNDERGROUND BELOW APPARATUS BAY SHALL BE SERVICE CLASS, CAST-IRON SOIL PIPING, CONFORMING TO ASTM A 74, ASTM C 564, AND ASTM B 29.

ALL PIPING PASSING THROUGH THE ROOF SHALL BE FLASHED WITH ROOF FLASHING ASSEMBLY COMPATIBLE WITH THE ROOF SYSTEM.

THERMAL HANGER SHIELD INSERTS:
INSTALL THERMAL HANGER SHIELD INSERT IN PIPE HANGER FOR INSULATED PIPING, WITH PROTECTIVE SADDLE. FOR COLD PIPING, INSERT MATERIAL SHALL BE ASTM C552, TYPE II CELLULAR GLASS WITH 100-PSI OR ASTM C591, TYPE VI, GRADE 1 POLYISOCYANURATE WITH 125-PSI MINIMUM COMPRESSIVE STRENGTH AND VAPOR BARRIER. FOR HOT PIPING, INSERT MATERIAL SHALL BE WATER-REPELLENT-TREATED, ASTM C533, TYPE I CALCIUM SILICATE WITH 100-PSI, ASTM C552, TYPE II CELLULAR GLASS WITH 100-PSI, OR ASTM C591, TYPE VI, GRADE 1 POLYISOCYANURATE WITH 125-PSI MINIMUM COMPRESSIVE STRENGTH.

SLEEVES AND SLEEVE SEALS:
INSTALL SLEEVES FOR PIPING PASSING THROUGH PENETRATIONS IN FLOORS, PARTITIONS, ROOFS, AND WALLS. INSTALL SLEEVES IN CONCRETE FLOORS, CONCRETE ROOF SLABS, AND CONCRETE WALLS AS NEW SLABS AND WALLS ARE CONSTRUCTED; CUT SLEEVES TO LENGTH FOR MOUNTING FLUSH WITH BOTH SURFACES; USING GROUT OR SILICONE SEALANT, SEAL OUTSIDE OF SLEEVES IN SLABS AND WALLS WITHOUT SLEEVE-SEAL SYSTEM. INSTALL SLEEVES THAT ARE LARGE ENOUGH TO PROVIDE 1/4-INCH ANNULAR CLEAR SPACE BETWEEN SLEEVE AND PIPE OR PIPE INSULATION; SEAL ANNULAR SPACE BETWEEN SLEEVE AND PIPING OR PIPING INSULATION. FOR SLEEVES THAT WILL HAVE SLEEVE-SEAL SYSTEM INSTALLED, SELECT SLEEVES OF SIZE LARGE ENOUGH TO PROVIDE 1-INCH ANNULAR CLEAR SPACE BETWEEN PIPING AND CONCRETE SLABS AND WALLS; SLEEVES ARE NOT REQUIRED FOR CORE-DRILLED HOLES. MAINTAIN INDICATED FIRE OR SMOKE RATING OF WALLS, PARTITIONS, CEILINGS, AND FLOORS AT PIPE PENETRATIONS THROUGH RATED CONSTRUCTION; SEAL PIPE PENETRATIONS WITH FIRE- AND SMOKE-STOP MATERIALS.

USE SLEEVES AND SLEEVE SEALS FOR THE FOLLOWING PIPING-PENETRATION APPLICATIONS:
1. EXTERIOR CONCRETE WALLS ABOVE GRADE: STEEL PIPE SLEEVES, ASTM A 53, TYPE E, GRADE B, SCHEDULE 40, GALVANIZED, WITH PLAIN ENDS AND INTEGRAL WATERSTOP COLLAR.
2. EXTERIOR CONCRETE WALLS BELOW GRADE: CAST-IRON PIPE SLEEVES, WITH PLAIN ENDS AND INTEGRAL WATERSTOP COLLAR WITH SLEEVE-SEAL SYSTEM.
3. CONCRETE SLAB-ON-GRADE: CAST-IRON PIPE SLEEVES, WITH PLAIN ENDS AND INTEGRAL WATERSTOP COLLAR WITH SLEEVE-SEAL SYSTEM.
4. CONCRETE SLABS ABOVE GRADE: STACK-SLEEVE FITTINGS.
5. INTERIOR PARTITIONS: STEEL PIPE SLEEVES, ASTM A 53, TYPE E, GRADE B, SCHEDULE 40, GALVANIZED, WITH PLAIN ENDS AND INTEGRAL WELDED WATERSTOP COLLAR FOR PIPING SMALLER THAN NPS 6; GALVANIZED-STEEL SHEET SLEEVES, 0.0239-INCH MINIMUM THICKNESS, ROUND TUBE CLOSED WITH WELDED LONGITUDINAL JOINT FOR PIPING NPS 6 AND LARGER.

WATER HAMMER ARRESTOR:
A WATER HAMMER ARRESTOR SHALL BE INSTALLED AT EVERY FIXTURE WHERE QUICK CLOSING VALVES ARE UTILIZED. WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. WATER HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.

FIELD QUALITY CONTROL:
ALL DOMESTIC WATER PIPING SHALL BE TESTED FOR LEAKS AND DEFECTS; FILL DOMESTIC WATER PIPING, CAP, AND SUBJECT PIPING TO STATIC WATER PRESSURE OF 50 PSIG ABOVE OPERATING PRESSURE, WITHOUT EXCEEDING PRESSURE RATING OF PIPING SYSTEM MATERIALS. ISOLATE TEST SOURCE AND ALLOW IT TO STAND FOR FOUR HOURS.

LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED. LEAVE DOMESTIC WATER PIPING UNCOVERED AND UNCONCEALED UNTIL IT HAS BEEN TESTED AND APPROVED.

ALL SANITARY WASTE AND VENT PIPING SHALL BE TESTED FOR LEAKS AND DEFECTS AT COMPLETION OF ROUGH-IN; CLOSE OPENINGS IN PIPING SYSTEM AND FILL WITH WATER TO POINT OF OVERFLOW, BUT NOT LESS THAN 10-FOOT HEAD OF WATER. FROM 15 MINUTES BEFORE INSPECTION STARTS TO COMPLETION OF INSPECTION, WATER LEVEL MUST NOT DROP. INSPECT JOINTS FOR LEAKS. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS AND RETEST PIPING, OR PORTIONS THEREOF, UNTIL SATISFACTORY RESULTS ARE OBTAINED. INSTALL TEST TEES WHEN THE SYSTEM IS TO BE TESTED IN SECTIONS. LEAVE SANITARY WASTE AND VENT PIPING UNCOVERED AND UNCONCEALED UNTIL IT HAS BEEN TESTED AND APPROVED.

APPLICABLE CODES AND STANDARDS

CODES AND STANDARDS	EDITION
INTERNATIONAL BUILDING CODE (IBC)	2018
INTERNATIONAL PLUMBING CODE (IPC)	2018
INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	2015
ASHRAE 90.1	2013
NFPA 13	2019
NATIONAL ELECTRICAL CODE (NEC)	2023
ADA STANDARDS FOR ACCESSIBLE DESIGN	2010

PLUMBING LEGEND

SYMBOL	DESCRIPTION
FD	FLOOR DRAIN (SEE SCHEDULE)
SD	SHOWER DRAIN (SEE SCHEDULE)
HD	HUB DRAIN (SEE SCHEDULE)
GCO	GROUND CLEANOUT (SEE SCHEDULE)
VTR	VENT THROUGH ROOF
V	VENT PIPE
W	WASTE PIPING
S	SANITARY PIPING
CW	COLD WATER PIPING
HW	HOT WATER PIPING (110°F)
HWR	HOT WATER RECIRCULATION PIPING
TW	TEPID WATER PIPING (70°F)
OW	OIL WASTE PIPING
CI	CAST IRON PIPING
P.R.V.	PRESSURE REDUCING VALVE
U.N.O.	UNLESS NOTED OTHERWISE
TYP.	TYPICAL
I.E.	INVERT ELEVATION
⋈	FULL PORT BALL VALVE
■	WATER HAMMER ARRESTOR
3/4"-WH +	WALL HYDRANT (SEE PLUMBING SCHEDULE)
1/2"-HB +	HOSE BIBB (SEE PLUMBING SCHEDULE)
⊖——	PIPE DOWN
○——	PIPE UP

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE042747 MICHAEL NICHOLAS BOOKER 4-29-25

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	MNB	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	MNB
CHECKED BY:	CVW
DATE:	04/03/2024

SHEET TITLE:
PLUMBING GENERAL NOTES AND LEGEND

SCALE: AS NOTED

DRAWING NO. **P-001** REV. **A**

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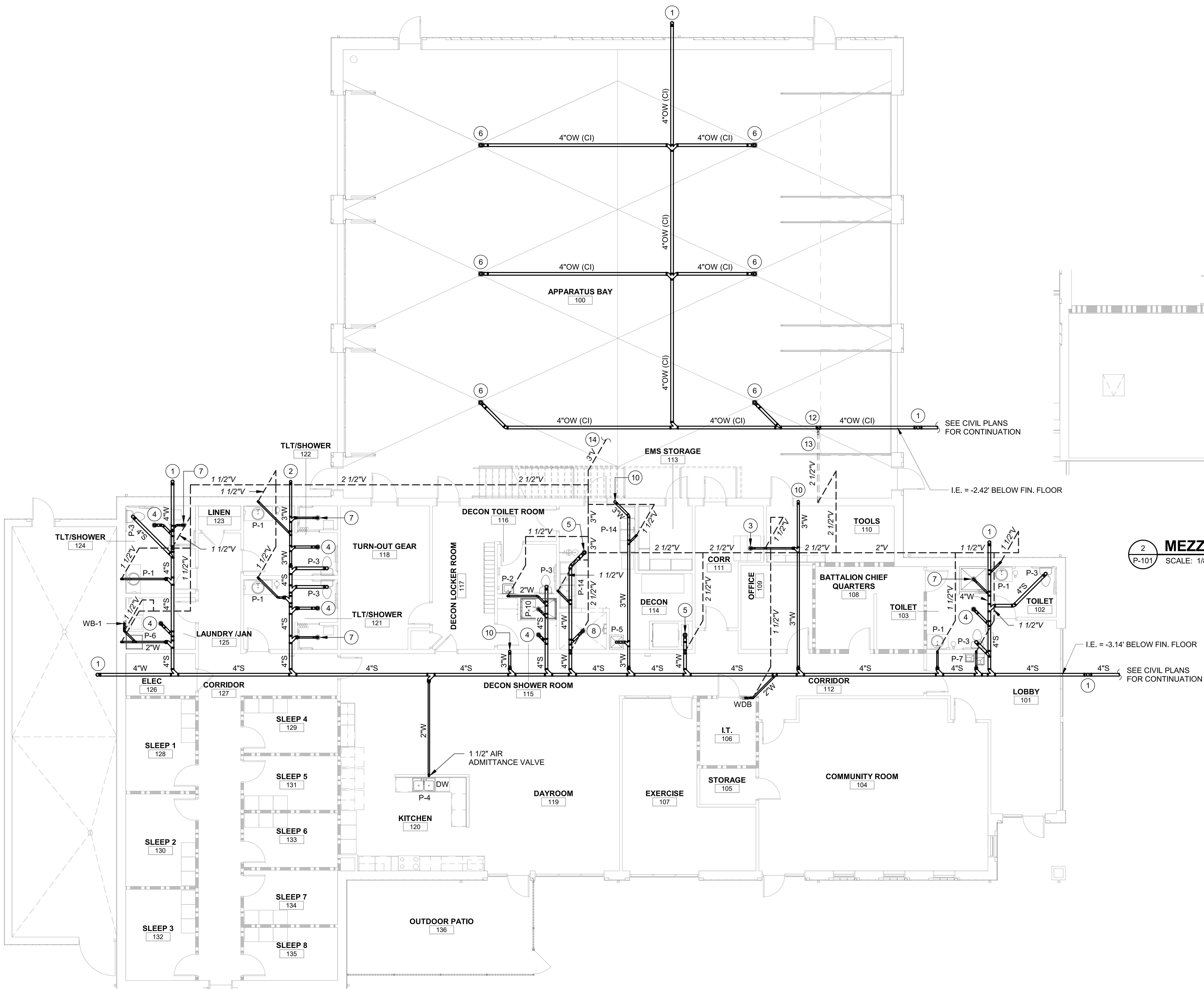
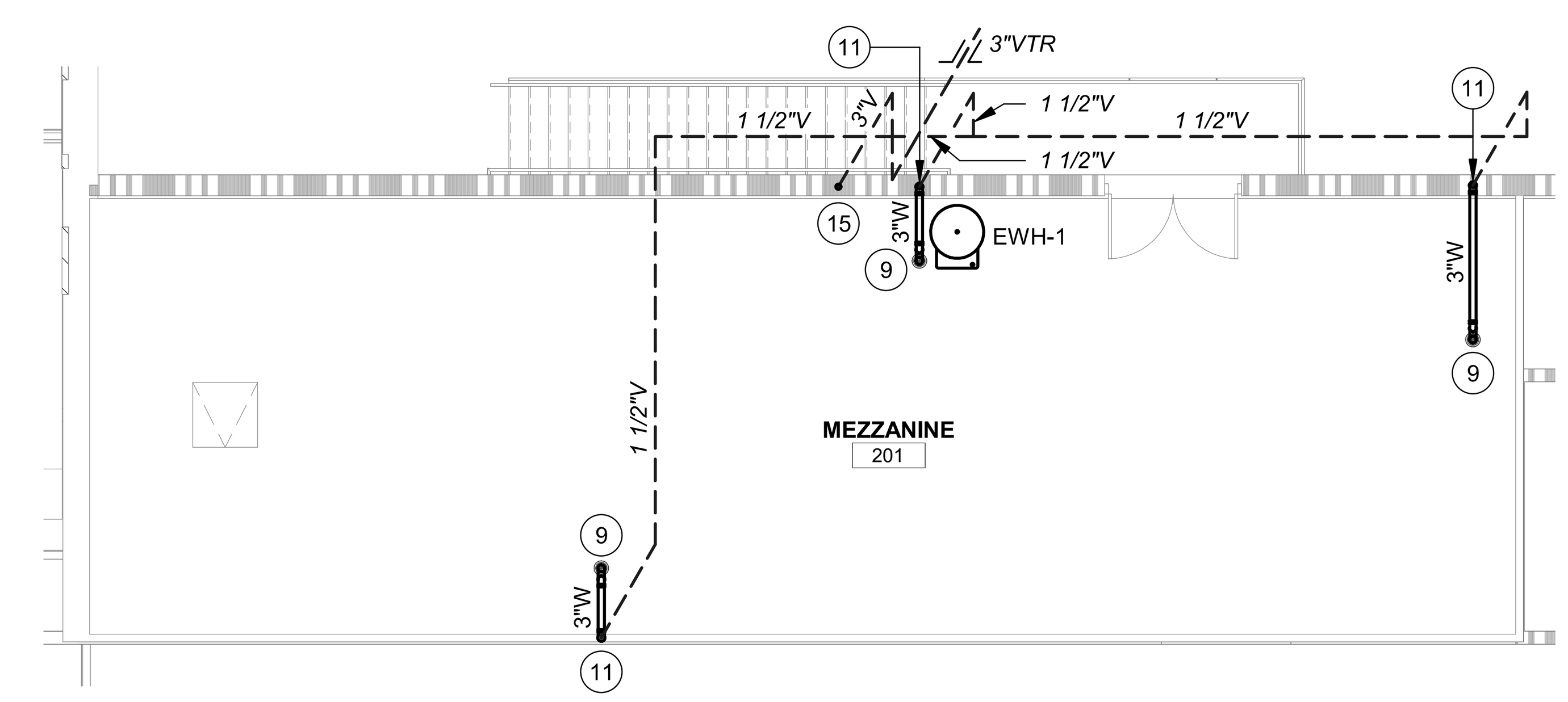
WASTE PIPING NOTES:

1. 4"-GCO
2. 3"-GCO
3. 2"-FD-1
4. 3"-FD-1
5. 4"-FD-1
6. 4"-FD-2
7. 2"-SD
8. 3"-SD
9. 3"-HD
10. 3"W DOWN FROM MEZZANINE. SEE 2/P-101 FOR CONT.
11. 3"W DOWN TO FIRST FLOOR. SEE 1/P-101 FOR CONT.
12. ROLL FITTING 45°
13. UNDERGROUND VENT PIPING
14. 3"V UP TO MEZZANINE. SEE 2/P-101 FOR CONT.
15. 3"V UP FROM FIRST FLOOR. SEE 1/P-101 FOR CONT.



NOTES:
1. SEE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL FIXTURE RUN-OUT SIZES.
2. PLUMBING CONTRACTOR SHALL COORDINATE UNDERGROUND PIPING WITH STRUCTURAL COLUMN AND FOOTING LOCATIONS. REROUTE PIPING AS NECESSARY TO AVOID INTERFERENCES.
3. ALL PIPING INSTALLED UNDER THE MEZZANINE SHALL BE ROUTED THROUGH THE JOISTS, U.N.O.
4. COORDINATE WITH THE HVAC CONTRACTOR THE LOCATION OF DUCTWORK AND HVAC EQUIPMENT BEFORE INSTALLING PIPING IN THE BUILDING.

1 / P-101 WASTE PIPING PLAN
SCALE: 1/8" = 1'-0"



NOTE:
1. SEE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL FIXTURE RUN-OUT SIZES.

2 / P-101 MEZZANINE POTABLE WATER PIPING PLAN
SCALE: 1/8" = 1'-0"

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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SHEET TITLE:
WASTE PIPING PLANS

SCALE: AS NOTED
DRAWING NO.: P-101
REV.: A

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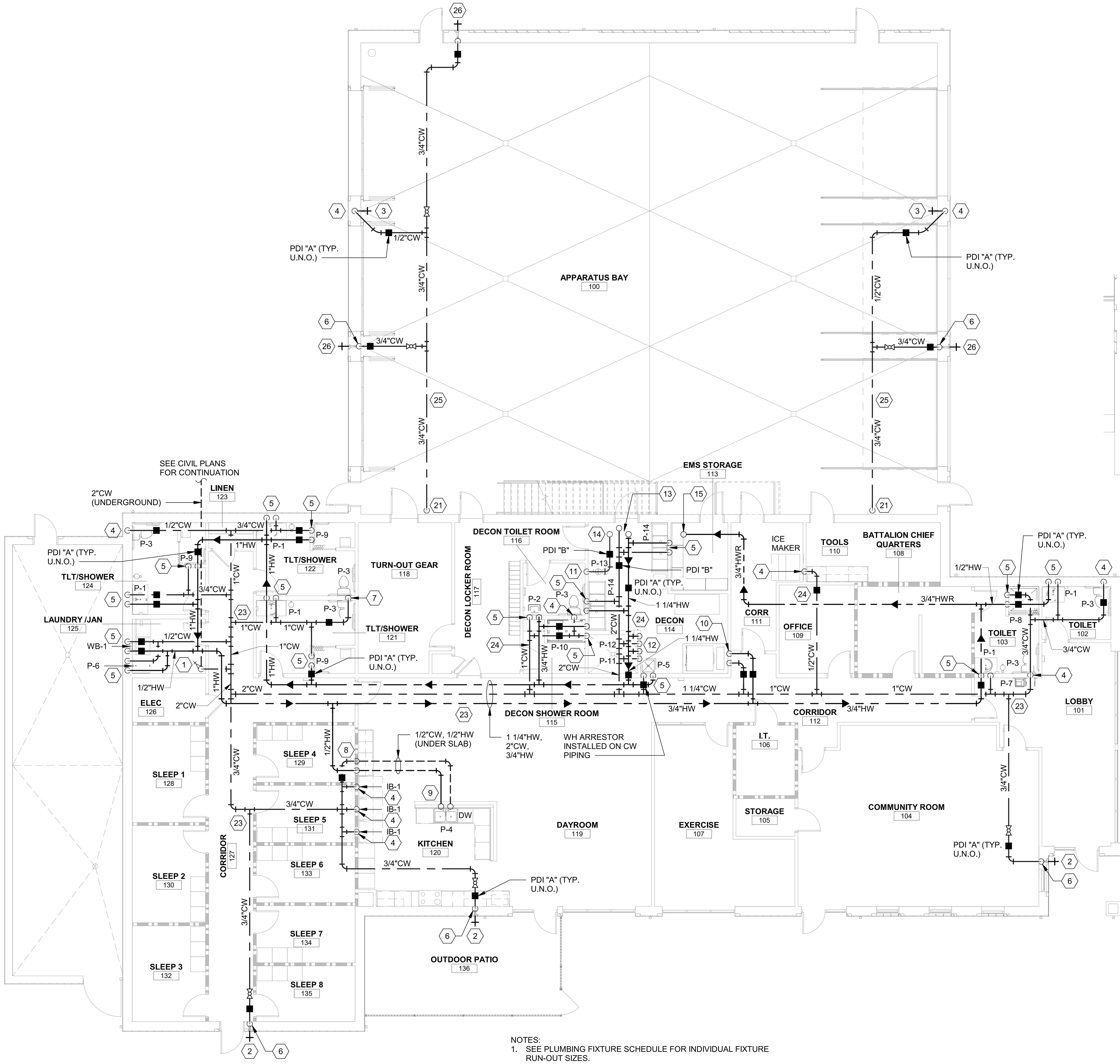
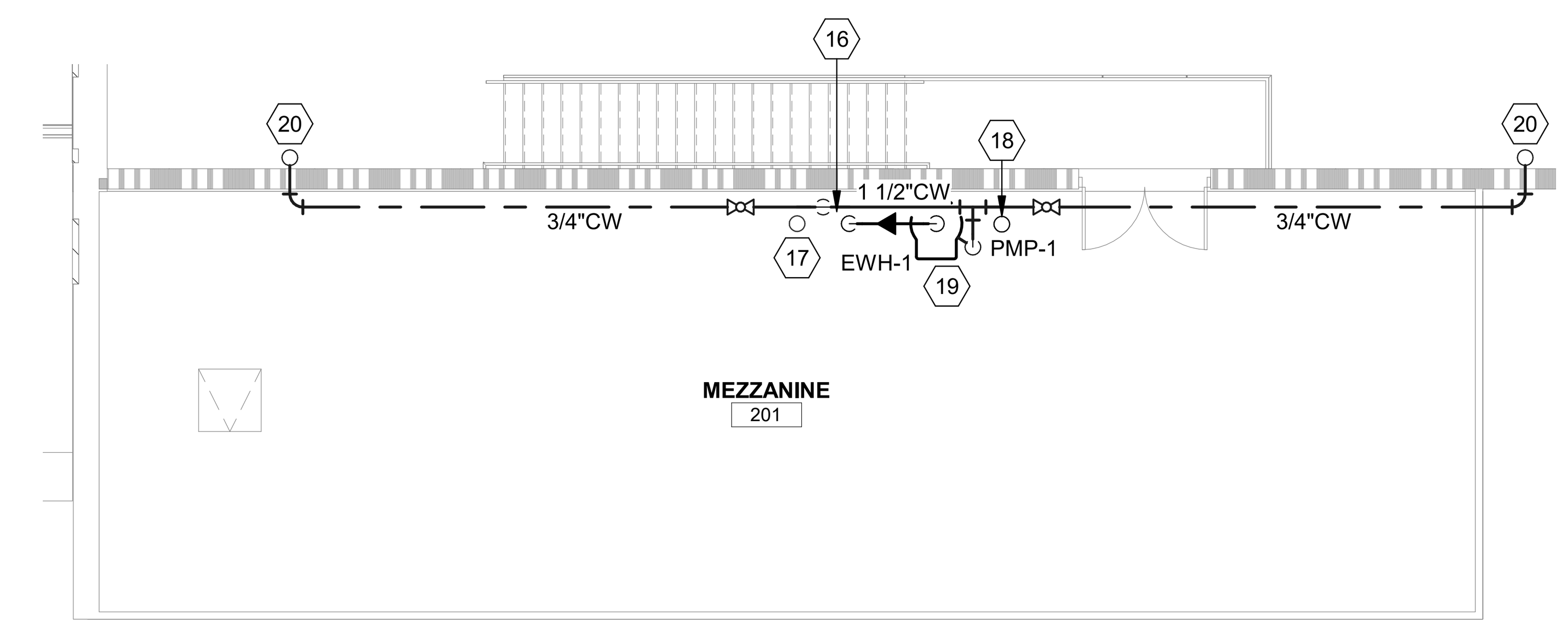
POTABLE WATER PIPING NOTES:

1. 2" WATER UP THRU SLAB w/ SLEEVE (COORDINATE w/ GENERAL CONTRACTOR). PROVIDE SHUT-OFF VALVE AND P.R.V. TO LIMIT WATER PRESSURE TO 80 PSI (PLUMBING CONTRACTOR TO VERIFY WATER PRESSURE IN THE FIELD).
2. 3/4"-WH-1
3. 1/2"-HB
4. 1/2"CW DOWN
5. 1/2"CW & HW DOWN
6. 3/4"CW DOWN
7. 1"CW DOWN
8. 1/2"CW & HW DOWN TO BELOW SLAB
9. 1/2"CW & HW UP FROM BELOW SLAB
10. 3/4"CW AND HW DOWN
11. 1 1/4"TW DOWN
12. (2) 1/2"CW & (2) 1/2"HW DOWN TO P-11 AND P-12
13. 2"CW & 1 1/2"HW UP TO MEZZANINE. SEE 2/P-101 FOR CONTINUATION.
14. 1 1/4"TW DOWN FROM MEZZANINE. SEE 2/P-101 FOR CONTINUATION.
15. 3/4"HWR UP TO MEZZANINE. SEE 2/P-101 FOR CONTINUATION.
16. 2"CW & 1 1/2"HW UP FROM FIRST FLOOR. SEE 1/P-101 FOR CONTINUATION.
17. 1 1/4"TW DOWN TO FIRST FLOOR. SEE DETAIL 5/P-401. SEE 1/P-101 FOR CONTINUATION.
18. 3/4"HWR UP FROM FIRST FLOOR TO PMP-1. SEE DETAIL 5/P-401. SEE 1/P-101 FOR CONTINUATION.
19. 1 1/2"CW & HW DOWN TO EWH-1. SEE DETAIL 5/P-401.
20. 3/4"CW UP. SEE 1/P-101 FOR CONTINUATION.
21. 3/4"CW UP FROM MEZZANINE. SEE 2/P-101 FOR CONTINUATION.
22. 1/2"CW DOWN WITH SHUTOFF VALVE STUBBED OUT FROM WALL FOR ICE MAKER.
23. POTABLE WATER PIPING IS LOCATED IN THE FIRST FLOOR CEILING SPACE (TYP. U.N.O.).
24. POTABLE WATER PIPING UNDER MEZZANINE IS ROUTED THROUGH THE JOISTS (TYP. U.N.O.)
25. POTABLE WATER PIPING ROUTED HIGH, THROUGH STRUCTURE.
26. 3/4"-WH-2



NOTES:
1. SEE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL FIXTURE RUN-OUT SIZES.
2. PLUMBING CONTRACTOR SHALL COORDINATE UNDERGROUND PIPING WITH STRUCTURAL COLUMN AND FOOTING LOCATIONS. REROUTE PIPING AS NECESSARY TO AVOID INTERFERENCES.
3. ALL PIPING INSTALLED UNDER THE MEZZANINE SHALL BE ROUTED THROUGH THE JOISTS, U.N.O..
4. COORDINATE WITH THE HVAC CONTRACTOR THE LOCATION OF DUCTWORK AND HVAC EQUIPMENT BEFORE INSTALLING PIPING IN THE BUILDING.

1 (P-201) POTABLE WATER PIPING PLAN
SCALE: 1/8" = 1'-0"



NOTE:
1. SEE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL FIXTURE RUN-OUT SIZES.

2 (P-201) MEZZANINE POTABLE WATER PIPING PLAN
SCALE: 1/8" = 1'-0"

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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GEORGIA No. PE042747 PROFESSIONAL ENGINEER MICHAEL NICHOLAS BOOKER 4-29-25

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

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SCALE	AS NOTED
DRAWING NO.	P-201
REV.	A

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PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	NOM. PIPE SIZE CW	HW	W	V	DESCRIPTION
P-1	COUNTERTOP LAVATORY (H.C.)	1/2"	1/2"	2"	1 1/2"	AMERICAN STANDARD 0476.028 ACCESSIBLE LAVATORY, AMERICAN STANDARD 7385.050 FAUCET, GRID DRAIN, ANGLE STOPS, & 3/8" SUPPLIES, PLUMBEREX HANDY-SHIELD MODEL 2003
P-2	WALL-HUNG LAVATORY (H.C.)	1/2"	1/2"	2"	1 1/2"	AMERICAN STANDARD 0355.012 ACCESSIBLE LAVATORY, AMERICAN STANDARD 7385.050 FAUCET, GRID DRAIN, ANGLE STOPS, & 3/8" SUPPLIES, PLUMBEREX HANDY-SHIELD MODEL 2003
P-3	WATER CLOSET (H.C.)	1/2"	-	4"	1 1/2"	AMERICAN STANDARD CADET PRO 215AB.104, 1.28 GAL. FLUSH w/ CHURCH 295C TOILET SEAT
P-4	DOUBLE BOWL SINK w/DISPOSER	1/2"	1/2"	2"	1 1/2"	JUST DLX2237A-J SINK 22"x37"x10" (4 HOLE), #J-35 STRAINERS, AMERICAN STANDARD 7074.040 FAUCET, SUPPLIES, STOP VALVES, AND TRAP INSINKERATOR POWER SERIES, 3/4 HP MOTOR, 120V/1Ø/60
P-5	MOP BASIN	1/2"	1/2"	3"	1 1/2"	FIAT MODEL MSB-2424, FAUCET 830-AA, HOSE & HOSE BRACKET 832-AA, MOP HANGER 889-CC AND STRAINER
P-6	LAUNDRY TUB (FLOOR MOUNTED)	1/2"	1/2"	2"	1 1/2"	FIAT MODEL FL-1 LAUNDRY TUB w/ MODEL A-1 FAUCET AND STRAINER
P-7	HI/LO WATER COOLER w/BOTTLE FILLER	1/2"	-	2"	1 1/2"	OASIS VERSACOOLER II MODEL PG8EBQSL
P-8	SHOWER HEAD AND MIXING VALVE	1/2"	1/2"	-	-	SYMMONS ORIGINS TEMPTROL S-9601-P-1.5-X
P-9	SHOWER HEAD AND MIXING VALVE (H.C.)	1/2"	1/2"	-	-	SYMMONS ORIGINS TEMPTROL 9605-PLR-1.5-X SHOWER VALVE SYSTEM w/HAND SHOWER AND DUAL OUTLET DIVERTER VALVE
P-10	SHOWER (H.C.)	1/2"	1/2"	2"	1 1/2"	FREEDOM SHOWERS APF6036BF1.25L ACRYLIC ACCESSIBLE SHOWER w/ FOLD-UP SEAT ON LEFT, SHOWER DRAIN, SHOWER ROD AND CURTAIN, SYMMONS ORIGINS TEMPTROL 9605-PLR-1.5-X SHOWER VALVE SYSTEM w/HAND SHOWER AND DUAL OUTLET DIVERTER VALVE
P-11	DECON SHOWER HEAD AND MIXING VALVE (H.C.)	1/2"	1/2"	-	-	SYMMONS ORIGINS TEMPTROL 9605PLR-1.5-L5-X SHOWER VALVE SYSTEM w/DUAL OUTLET DIVERTER VALVE, SYMMONS 402SH1-1.5-CA8 RAIN SHOWERHEAD (CEILING MOUNTED AND CENTERED ABOVE DRAIN)
P-12	DECON SHOWER FAUCET AND HOSE	1/2"	1/2"	-	-	T&S BRASS MODEL PG-8WREV (INSTALL ADJACENT TO DECON SHOWER VALVE, P-11)
P-13	SAFETY SHOWER w/ EYE WASH	1 1/4"	1 1/4"	-	-	HAWS MODEL 8320-8325 COMBINATION SHOWER & EYE/FACE WASH w/ HAWS MODEL 9201E THERMOSTATIC MIXING VALVE
P-14	DOUBLE BOWL SINK	1/2"	1/2"	2"	1 1/2"	ADVANCE TABCO MODEL 93-62-36-18RL SINK 77"x31", ADVANCE TABCO MODEL K-116 FAUCET, SUPPLIES, STOP VALVES, AND TRAP
IB-1	ICE MAKER VALVE	1/2"	-	-	-	IPS WATER TITE MODEL MBFRAB1200, FIRE RATED
WB-1	WASHER BOX	1/2"	1/2"	2"	1 1/2"	IPS WATER TITE MODEL W4700 OUTLET BOX w/ LINT LUV-R (WALL MOUNTED) IN-LINE LINT FILTER BY ENVIRONMENTAL ENHANCEMENTS
WDB	WALL DRAIN BOX	-	-	2"	-	OATEY MODA FIRE RATED DRAIN BOX
3/4"-WH-1	WALL HYDRANT	3/4"	-	-	-	J.R. SMITH MODEL 5509QT FOR 6" WALL THICKNESS. WARNING - FAUCET MUST BE INSTALLED w/ DOWNWARD PITCH TOWARD NOZZLE & HOSE MUST BE REMOVED IN FREEZING WEATHER OR FAUCET MAY FREEZE & BURST.
3/4"-WH-2	WALL HYDRANT	3/4"	-	-	-	J.R. SMITH MODEL 5509QT FOR 10" WALL THICKNESS. WARNING - FAUCET MUST BE INSTALLED w/ DOWNWARD PITCH TOWARD NOZZLE & HOSE MUST BE REMOVED IN FREEZING WEATHER OR FAUCET MAY FREEZE & BURST.
1/2"-HB	HOSE BIBB	1/2"	-	-	-	WOODFORD MODEL B24P-1/2 w/ BOX
PMP-1	RECIRCULATION PUMP	-	3/4"	-	-	BELL & GOSSETT MODEL NBF-22 w/ TIMECLOCK 120V/1Ø/60 (7 GPM @ 10 FOOT HEAD)
EWH-1	ELEC. WATER HEATER	3/4"	3/4"	-	-	A.O. SMITH MODEL DVE-120A, 119 GALLON CAP., 40.5KW INPUT, 208V/3Ø/60, RECOVERY RATE OF 166 GPH AT A 100° F TEMP. RISE (PROVIDE FLOORMASTER RS-094 WATER HEATER SHUT-OFF)

NOTES:
1. ALL FIXTURES, FITTINGS, AND TRIM TO COMPLY WITH THE LATEST REVISION OF THE AMERICAN DISABILITIES ACT; WHERE APPLICABLE.
2. SUPPORT URINALS w/ WALL HANGERS AND THRU BOLTS.
3. RIM HEIGHT SHALL COMPLY w/ ADA REQUIREMENTS AND STANDARD MANUFACTURER RECOMMENDED INSTALLATION HEIGHTS FOR NON-ADA FIXTURES.
4. PLUMBING CONTRACTOR TO COORDINATE w/ COUNTER TOP CONTRACTOR BEFORE ORDERING SINKS.

HANGERS & SUPPORTS

SPACING: DO NOT EXCEED THE FOLLOWING SPACING, ON CENTERS

PIPE SIZE	SCH. 40 PVC	COPPER	STEEL	HANGER ROD DIA.
1/2" - 3/4"	4 FT.	5 FT.	7 FT.	1/4"
1"	4 FT.	6 FT.	7 FT.	1/4"
1 1/2"	4 FT.	6 FT.	9 FT.	3/8"
2"	4 FT.	8 FT.	10 FT.	3/8"
2 1/2"	4 FT.	9 FT.	11 FT.	3/8"
3"	4 FT.	10 FT.	12 FT.	3/8"
4"	4 FT.	10 FT.	12 FT.	1/2"

WATER HAMMER ARRESTER SCHEDULE

SYMBOL	FIXTURE UNIT RATING
PDI "A"	1-11
PDI "B"	12-32
PDI "C"	33-60
PDI "D"	61-113
PDI "E"	114-154
PDI "F"	155-330

NOTE:
USE PISTON TYPE COMPLYING WITH STANDARD P.D.I. WH-201 AND ASSE 1010.

FLOOR DRAIN & CLEANOUT SCHEDULE

SYMBOL	BASIS OF DESIGN MANUFACTURER	MODEL	PROVIDE	NOTES
FD-1	J.R. SMITH	2010-B	①②	
FD-2	J.R. SMITH	2473	②	APPARATUS BAYS
GCO	J.R. SMITH	4237		
HD	MIFAB	F1100-DD	②	
SD	PLASTIC ODDITIES	PBR406	①②	

FLOOR DRAIN & CLEANOUT ACCESSORIES

①	PROVIDE MANUFAC. RECOMMENDED STRAINER SIZE BASED ON OUTLET SIZE	②	PROVIDE TRAP SEAL DEVICE (PROSET TRAP GUARD OR EQUAL)

NOTES:
1. PROVIDE PROSET "T-RITE" DRAINS ON ALL FLOOR/SHOWER/HUB DRAINS THAT ARE THROUGH PENETRATION OF A FIRE RATED FLOOR.
2. COORDINATE FLOOR FINISHES w/ FLOOR DRAINS AND FLOOR CLEANOUTS. (ADJUST FLOOR DRAIN AND FLOOR CLEANOUT ELEVATIONS AS REQUIRED)

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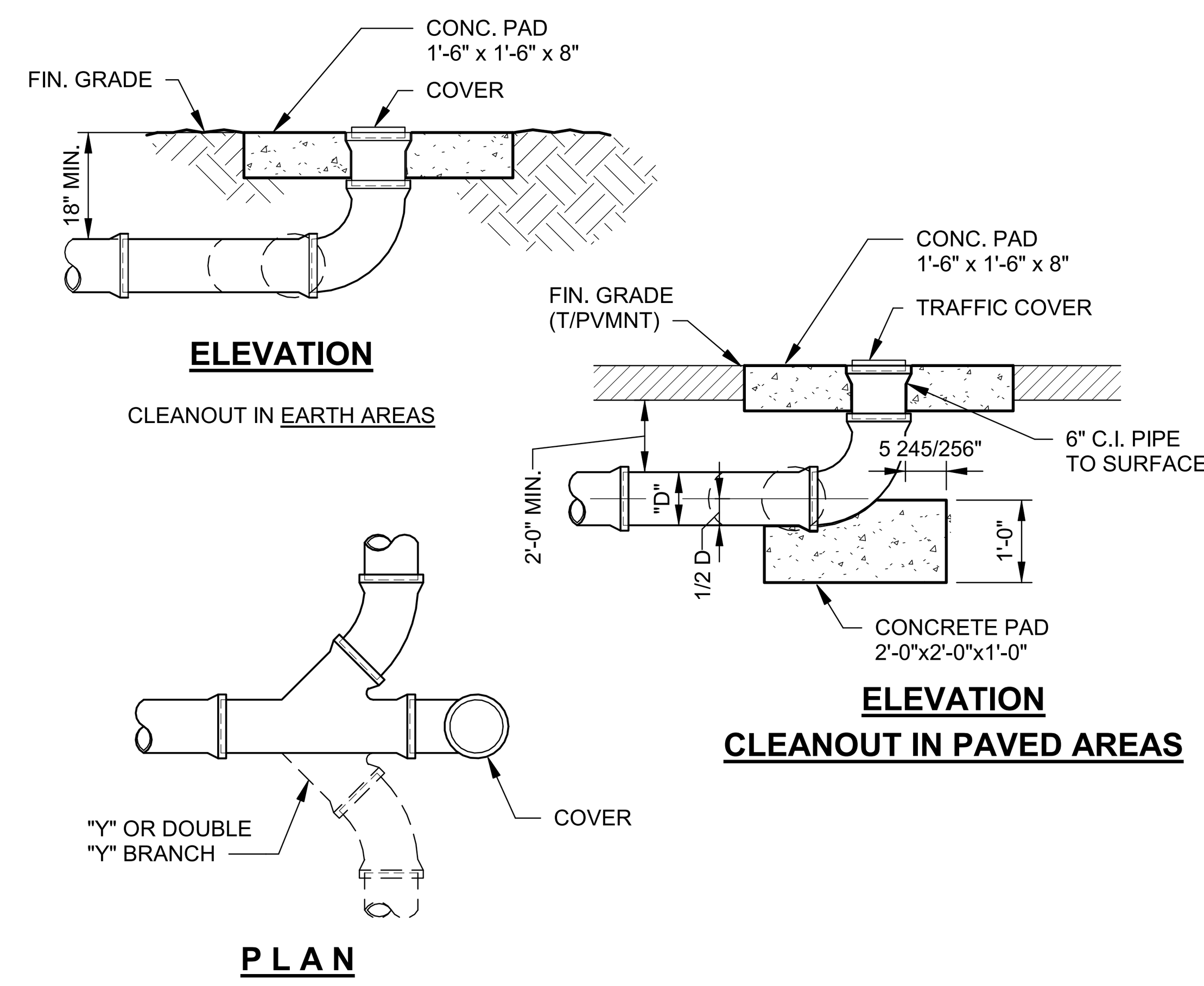
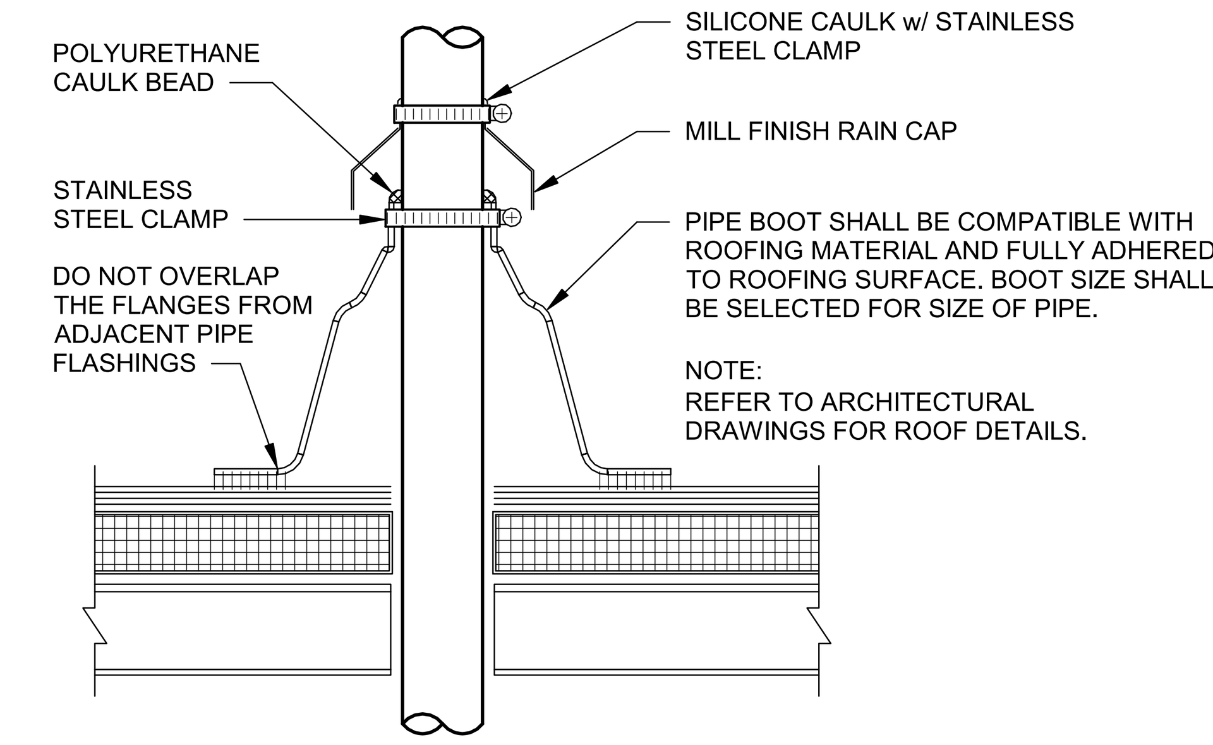


3 P-401

GROUND CLEANOUT DETAILS

NO SCALE

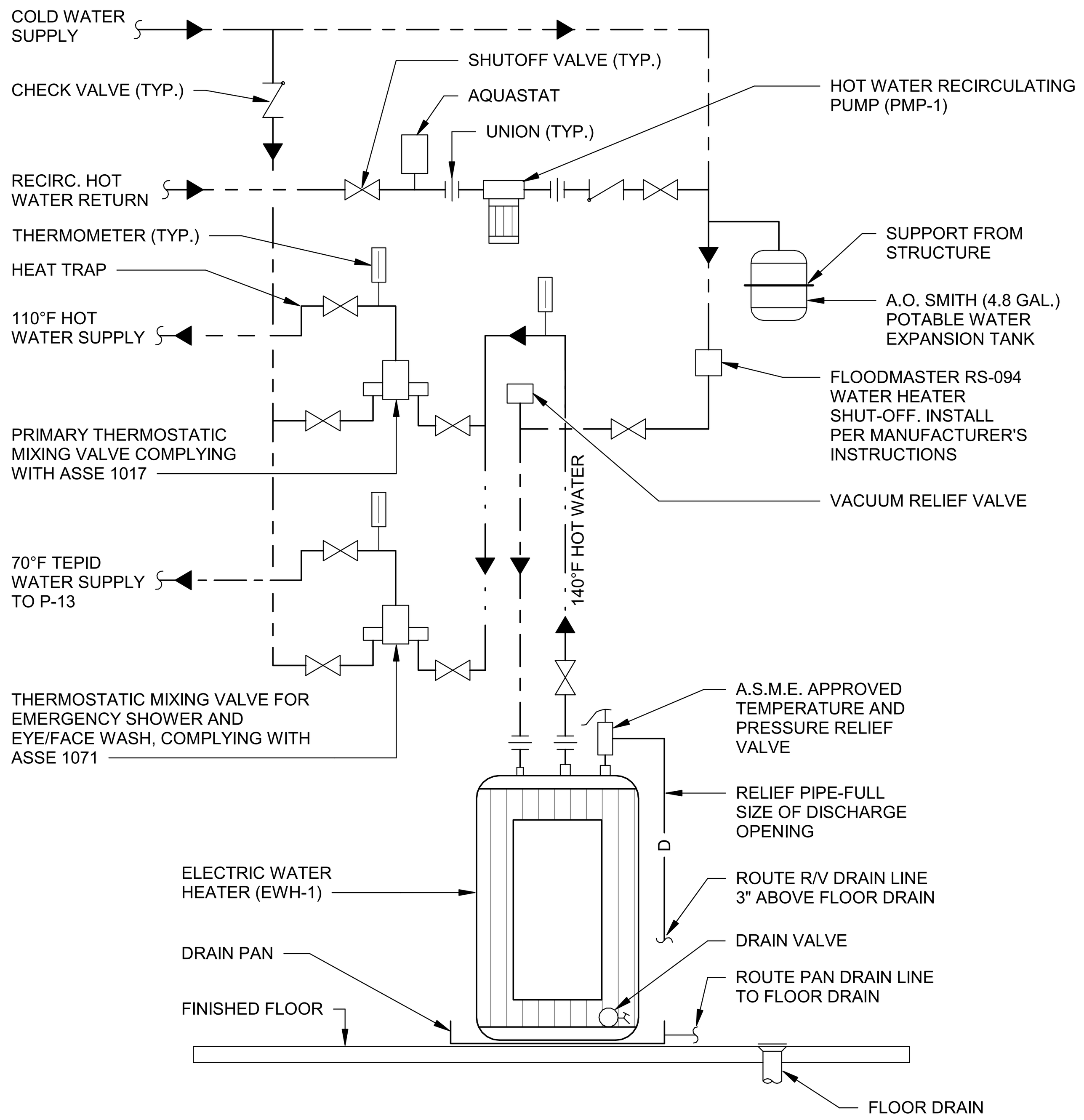


NOTES:
1. AMBIENT VENT ONLY. DO NOT EXCEED TEMPERATURE RANGE OF BOOT MATERIAL.
2. ASSEMBLY SHALL MEET OR EXCEED ASTM D-4811.
3. BOOT SHALL BE JOHNS MANVILLE JM EPDM PEEL & STICK PIPE BOOT OR EQUAL.
4. FLASHING BY ROOFING CONTRACTOR.

4 P-401

DETAIL - VENT THRU ROOF

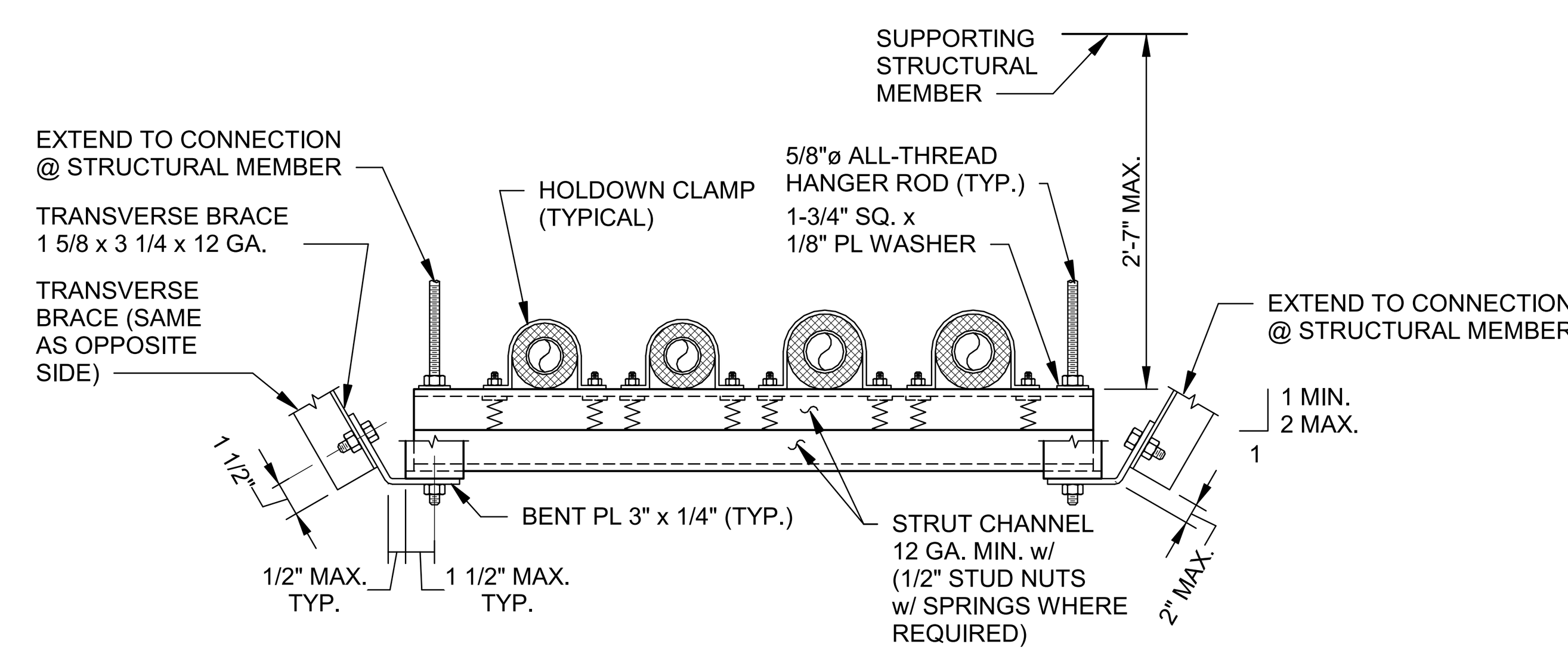
NO SCALE



5 P-401

ELECTRIC WATER HEATER SCHEMATIC

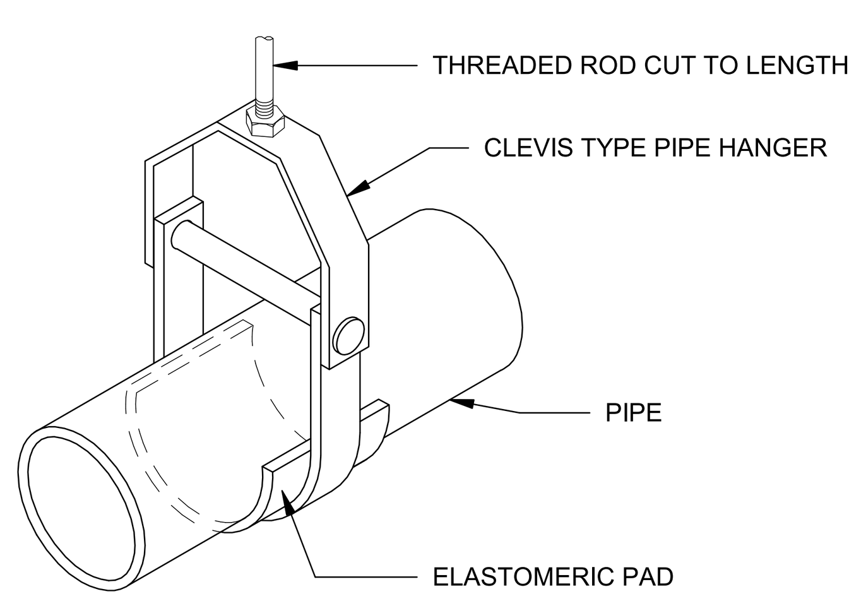
NO SCALE



7 P-401

DETAIL - PIPE HANGER TRAPEZE

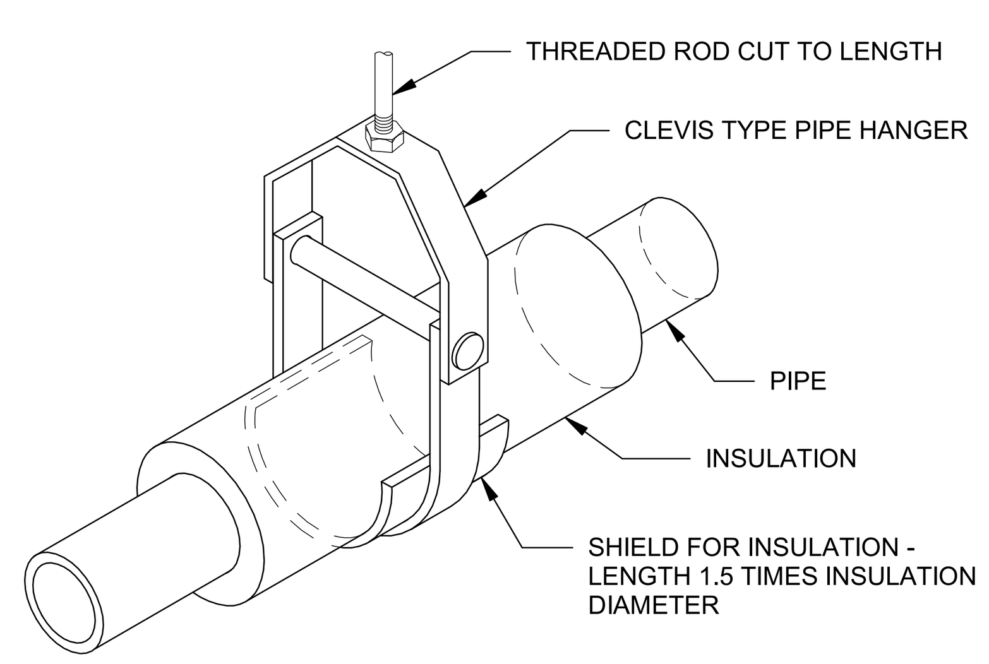
NO SCALE



9 P-401

DETAIL - CLEVIS TYPE PIPE SUPPORT FOR NONMETALLIC PIPE

NO SCALE



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DETAIL - CLEVIS TYPE PIPE SUPPORT FOR INSULATED PIPE

NO SCALE

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HVAC GENERAL NOTES:

GENERAL:
THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PRODUCT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

WORK COVERED BY THIS DOCUMENT SHALL INCLUDE ALL LABOR, MATERIAL, PRODUCTS, AND SERVICES FOR, AND INCIDENTAL TO, INSTALLATION OF COMPLETE AND OPERATING HVAC SYSTEMS DRAWN OR SPECIFIED.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, NFPA 13, NATIONAL ELECTRICAL CODE, AND INTERNATIONAL MECHANICAL CODE w/ AMENDMENTS.

ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ARCHITECT OR ENGINEER.

INSTALL ALL MECHANICAL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.

ARRANGEMENTS OF MECHANICAL WORK SHALL BE AS SHOWN. DRAWINGS ARE NOT INTENDED TO INDICATE ALL OFFSETS AND FITTINGS. EXAMINE ALL DRAWINGS, INVESTIGATE CONDITIONS TO BE ENCOUNTERED AND ARRANGE WORK ACCORDINGLY; FURNISH AND INSTALL ALL FITTINGS AND OFFSETS.

DRAWINGS ARE NOT INTENDED TO SHOW IN DETAIL EXACT LOCATIONS AND CONNECTIONS FOR EQUIPMENT AND ACCESSORIES. FINAL CONNECTIONS SHALL BE AS SHOWN ON APPROVED SHOP DRAWINGS.

MEASUREMENT OF DRAWINGS BY SCALE SHALL NOT BE USED AS DIMENSIONS FOR FABRICATION. MEASUREMENTS FOR LOCATING EQUIPMENT, DUCTWORK, PIPING AND ACCESSORIES SHALL BE MADE ON THE JOB SITE AND SHALL BE BASED ON ACTUAL JOB CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEASUREMENTS. WHERE THE CONTRACTOR PREFABRICATES ANY WORK BASED ON THE DRAWINGS WITHOUT VERIFYING ACTUAL JOB CONDITIONS, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS INVOLVED IN MAKING CHANGES TO PREFABRICATED WORK WHERE CONFLICTS OCCUR.

THE CONTRACTOR SHALL CHECK CEILING HEIGHTS IN EACH SPACE ON ARCHITECTURAL DRAWINGS AND SHALL ARRANGE ALL MECHANICAL WORK TO FIT IN THE SPACE ABOVE THE CEILING ALLOWING FOR ACCESS TO REMOVE TILE. PARTICULAR ATTENTION SHALL BE DIRECTED TOWARD DUCT SIZES AS SHOWN ON DRAWINGS, TO VERIFY THAT DUCTWORK ALONG WITH ALL OTHER WORK WILL FIT IN THE SPACE ABOVE THE CEILINGS. AFTER VERIFYING DIMENSIONS, IF THE CONTRACTOR DETERMINES THAT THE WORK WILL NOT FIT IN THE SPACE INDICATED, THEN THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF THE CONFLICT AND SHALL NOT INSTALL ANY WORK UNTIL INSTRUCTIONS ARE RECEIVED FROM THE ARCHITECT/ENGINEER. IF THE CONTRACTOR INSTALLS WORK AS SHOWN ON DRAWINGS WITHOUT VERIFYING ADEQUACY OF SPACES, AND THE WORK DOES NOT FIT THE SPACE SHOWN, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR REARRANGING WORK AND CHANGING DUCT SIZES AS REQUIRED TO FIT THE SPACE AND THE CONTRACTOR SHALL PAY ALL COSTS CONNECTED WITH THE CHANGES.

CONTRACTOR SHALL INSTALL DUCTS, PIPING AND EQUIPMENT IN A NEAT AND WORKMANLIKE MANNER AND SHALL AVOID CONFLICT WITH OTHER WORK. EQUIPMENT SHALL BE SO ARRANGED AND FITTED INTO AVAILABLE SPACE SO THAT WORKING PARTS INCLUDING FILTERS AND LUBRICATION POINTS, AND COIL REMOVAL ARE ACCESSIBLE FOR SERVICE WITHOUT DAMAGE TO BUILDING STRUCTURE OR FINISHES OR WITHOUT MOVING OTHER EQUIPMENT. THE CONTRACTOR SHALL NOT INSTALL ANY EQUIPMENT WHERE PARTS ARE INACCESSIBLE FOR SERVICE.

WHERE MOUNTING HEIGHTS ARE NOT DETAILED OR DIMENSIONED, INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT TO PROVIDE MAXIMUM HEADROOM POSSIBLE.

EXACT LOCATION OF GRILLES & CEILING OUTLETS SHALL BE DETERMINED ON THE JOB. COORDINATE WITH LIGHTS AND ARCHITECTURAL REQUIREMENTS TO PROVIDE A UNIFORM & SYMMETRICAL APPEARANCE. REFER TO ARCHITECTURAL & ELECTRICAL DRAWINGS & DETAILS.

CUTTING AND REPAIRING: THE HVAC CONTRACTOR SHALL DO ALL CUTTING AND REPAIRING OF WALLS, FLOORS, CEILINGS, ETC. NECESSARY FOR THE INSTALLATION OF THE WORK BUT HE SHALL NOT CUT INTO ANY STRUCTURAL MEMBER WITHOUT THE PERMISSION OF THE ARCHITECT.

PROVIDE UNION OR FLANGE CONNECTIONS IN PIPING AT ALL EQUIPMENT & AS REQUIRED FOR SERVICE.

GENERAL CONTRACTOR TO PROVIDE ACCESS PANELS FOR ALL INACCESSIBLE, ABOVE CEILING DAMPERS AND EQUIPMENT. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

METAL DUCT:
ALL DUCTWORK SHALL BE INSTALLED IN STRICT COMPLIANCE WITH SMACNA, NFPA BULLETIN 90A, AND ASHRAE GUIDES. UNLESS OTHERWISE NOTED, DUCTWORK SHALL BE GALVANIZED SHEET STEEL. FIBERGLASS DUCTWORK IS NOT ACCEPTABLE.

MINIMUM DUCTWORK STATIC PRESSURE CLASS SHALL BE 1-INCH W.G. MINIMUM DUCT SEAL CLASS SHALL BE CLASS "A".

ALL DUCT DIMENSIONS ARE CLEAR INSIDE DIMENSIONS. ON RECTANGULAR DUCTS, DIMENSIONS GIVEN FIRST IS DIMENSION SEEN. DUCT DIMENSIONS MAY BE ALTERED AS LONG AS SAME DUCT CROSS SECTIONAL AREA IS MAINTAINED, IN ORDER TO AVOID INTERFERENCES AS NEEDED.

LOW PRESSURE FLEXIBLE DUCT: FACTORY FABRICATED ASSEMBLY, UL-181, CLASS 1 LISTED, HAVING A MINIMUM R-VALUE OF 6.0, EQUAL TO THERMAFLEX "KM". CONNECT DIFFUSERS TO DUCTS WITH MAXIMUM 60-INCH LENGTHS OF FLEXIBLE DUCT CLAMPED OR STRAPPED IN PLACE.

MANUAL VOLUME DAMPERS: DAMPERS SHALL BE SAME MATERIAL AS DUCTWORK, PER SMACNA. PROVIDE AXLES FULL LENGTH OF DAMPER BLADES AND BEARINGS AT BOTH ENDS OF OPERATING SHAFT. PROVIDE MANUAL VOLUME DAMPERS IN ALL BRANCH DUCTS (ONE PER SUPPLY AND RETURN OUTLET).
FLEXIBLE CONNECTIONS: GLASS FABRIC DOUBLE COATED WITH NEOPRENE, 26 OZ. PER SQUARE YARD, COMPLYING WITH UL 181, CLASS 1. PROVIDE FLEXIBLE CONNECTION BETWEEN ALL EQUIPMENT AND RIGID DUCTWORK. FABRIC CONNECTIONS SHALL BE AT LEAST 3.5 INCHES WIDE AND HAVE A METAL-EDGED CONNECTOR AT EACH END. PROVIDE METAL COMPATIBLE WITH CONNECTED DUCTS.

TURNING VANES: GALVANIZED STEEL, COMPLYING WITH SMACNA. VANES SHALL BE SINGLE WALL FOR DUCTS UP TO 48 INCHES WIDE AND DOUBLE WALL FOR LARGER DIMENSIONS. ALL 90 DEGREE SQUARE ELBOWS AND TEES SHALL HAVE TURNING VANES (SUPPLY & RETURN DUCT).

DUCT INSULATION:
ALL CONCEALED SUPPLY AND RETURN DUCTS SHALL BE INSULATED WITH 2.2 INCH THICK MINERAL-FIBER BLANKET INSULATION, ASTM C553 TYPE II AND ASTM C1290 TYPE III, WITH FACTORY-APPLIED FSK JACKET AND 3/4 LB. NOMINAL DENSITY, EQUAL TO CERTAINTEED "SOFTTOUCH DUCT WRAP".

ACOUSTIC DUCT LINER SHALL BE 1 INCH THICK FLEXIBLE FIBROUS-GLASS, TYPE I DUCT LINER, COMPLYING WITH ASTM C1071 AND NFPA 90A OR NFPA 90B, EQUAL TO JOHNS MANVILLE "LINACOUSTIC RC".

TYPE I KITCHEN HOOD EXHAUST DUCTS:
EXHAUST DUCTWORK CONNECTED TO COMMERCIAL KITCHEN HOODS SHALL BE TYPE 304, STAINLESS-STEEL SHEET; NO. 2B FINISH FOR CONCEALED DUCT; NO. 4 FINISH FOR EXPOSED DUCT; WELDED SEAMS AND JOINTS; POSITIVE OR NEGATIVE 2 INCH WG PRESSURE CLASS; AIRTIGHT/WATERTIGHT.

DUCTS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 96. INSTALL ALL DUCTS WITHOUT DIPS AND TRAPS THAT MAY HOLD GREASE, AND SLOPE A MINIMUM OF 2 PERCENT TO DRAIN GREASE BACK TO THE HOOD. INSTALL FIRE-RATED ACCESS PANEL ASSEMBLIES AT EACH CHANGE IN DIRECTION AND AT MAXIMUM INTERVALS OF 20 FEET IN HORIZONTAL DUCTS, AND AT EVERY FLOOR FOR VERTICAL DUCTS. DUCTS SHALL HAVE A CLEARANCE TO COMBUSTIBLE CONSTRUCTION OF NOT LESS THAN 18 INCHES AND SHALL HAVE A CLEARANCE TO NONCOMBUSTIBLE CONSTRUCTION OF NOT LESS THAN 3 INCHES. WHERE REQUIRED CLEARANCES ARE NOT ACHIEVABLE, CONTINUOUSLY COVER DUCTS ON ALL SIDES WITH TWO LAYERS OF FIRE BARRIER DUCT WRAP, 3M FIRE BARRIER DUCT WRAP615+ OR EQUAL, TO REDUCE REQUIRED CLEARANCES TO COMBUSTIBLE/NONCOMBUSTIBLE CONSTRUCTION TO ZERO INCHES.

REFRIGERANT PIPING:
PROVIDE AND INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN SUCH A WAY AS TO BE INCONSPICUOUS AND FREE FROM ANY POSSIBLE CONDENSATION.

REFRIGERANT PIPING SHALL BE COPPER, TYPE ACR, ANNEALED-TEMPER TUBING AND WROUGHT-COPPER FITTINGS WITH SOLDERED JOINTS SUITABLE FOR CONNECTION WITH SILVER SOLDER.

ALL INDOOR REFRIGERANT SUCTION AND HOT GAS PIPING SHALL BE INSULATED WITH 1 INCH THICK FLEXIBLE CLOSED-CELL ELASTOMERIC INSULATION, EQUAL TO ARMACELL "AP ARMAFLEX".

ALL OUTDOOR REFRIGERANT SUCTION AND HOT GAS PIPING SHALL BE INSULATED WITH 2 INCH THICK FLEXIBLE CLOSED-CELL ELASTOMERIC INSULATION, EQUAL TO ARMACELL "AP ARMAFLEX".

CONDENSATE DRAIN PIPING:
ALL CONDENSATE DRAIN PIPING AND FITTINGS SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELD JOINTS, CONFORMING TO ASTM D 1785, ASTM D 2466, AND ASTM 2564.

ALL CONDENSATE DRAIN PIPING LOCATED IN RETURN AIR PLENUMS SHALL BE DRAWN-TEMPER COPPER TUBING, TYPE DWV, CONFORMING TO ASTM B306, WITH WROUGHT-COPPER FITTINGS AND SOLDERED JOINTS, CONFORMING TO ASME B16.22.

ALL COPPER TUBING USED FOR INDOOR CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1 INCH THICK FLEXIBLE CLOSED-CELL ELASTOMERIC INSULATION, EQUAL TO ARMACELL "AP ARMAFLEX".

THERMAL HANGER SHIELD INSERTS:
INSTALL THERMAL HANGER SHIELD INSERT IN PIPE HANGER FOR INSULATED PIPING, WITH PROTECTIVE SADDLE. FOR COLD PIPING, INSERT MATERIAL SHALL BE ASTM C552, TYPE II CELLULAR GLASS WITH 100-PSI OR ASTM C591, TYPE VI, GRADE 1 POLYISOCYANURATE WITH 125-PSI MINIMUM COMPRESSIVE STRENGTH AND VAPOR BARRIER. FOR HOT PIPING, INSERT MATERIAL SHALL BE WATER-REPELLENT-TREATED, ASTM C533, TYPE I CALCIUM SILICATE WITH 100-PSI, ASTM C552, TYPE II CELLULAR GLASS WITH 100-PSI, OR ASTM C591, TYPE VI, GRADE 1 POLYISOCYANURATE WITH 125-PSI MINIMUM COMPRESSIVE STRENGTH.

SLEEVES AND SLEEVE SEALS:
INSTALL SLEEVES FOR PIPING PASSING THROUGH PENETRATIONS IN FLOORS, PARTITIONS, ROOFS, AND WALLS. INSTALL SLEEVES IN CONCRETE FLOORS, CONCRETE ROOF SLABS, AND CONCRETE WALLS AS NEW SLABS AND WALLS ARE CONSTRUCTED; CUT SLEEVES TO LENGTH FOR MOUNTING FLUSH WITH BOTH SURFACES; USING GROUT OR SILICONE SEALANT, SEAL OUTSIDE OF SLEEVES IN SLABS AND WALLS WITHOUT SLEEVE-SEAL SYSTEM. INSTALL SLEEVES THAT ARE LARGE ENOUGH TO PROVIDE 1/4-INCH ANNULAR CLEAR SPACE BETWEEN SLEEVE AND PIPE OR PIPE INSULATION; SEAL ANNULAR SPACE BETWEEN SLEEVE AND PIPING OR PIPING INSULATION. FOR SLEEVES THAT WILL HAVE SLEEVE-SEAL SYSTEM INSTALLED, SELECT SLEEVES OF SIZE LARGE ENOUGH TO PROVIDE 1-INCH ANNULAR CLEAR SPACE BETWEEN PIPING AND CONCRETE SLABS AND WALLS; SLEEVES ARE NOT REQUIRED FOR CORE-DRILLED HOLES. MAINTAIN INDICATED FIRE OR SMOKE RATING OF WALLS, PARTITIONS, CEILINGS, AND FLOORS AT PIPE PENETRATIONS THROUGH RATED CONSTRUCTION; SEAL PIPE PENETRATIONS WITH FIRE- AND SMOKE-STOP MATERIALS.

USE SLEEVES AND SLEEVE SEALS FOR THE FOLLOWING PIPING-PENETRATION APPLICATIONS:
1. EXTERIOR CONCRETE WALLS ABOVE GRADE: STEEL PIPE SLEEVES, ASTM A 53, TYPE E, GRADE B, SCHEDULE 40, GALVANIZED, WITH PLAIN ENDS AND INTEGRAL WATESTOP COLLAR.
2. CONCRETE SLAB-ON-GRADE: CAST-IRON PIPE SLEEVES, WITH PLAIN ENDS AND INTEGRAL WATERSTOP COLLAR WITH SLEEVE-SEAL SYSTEM.
3. CONCRETE SLABS ABOVE GRADE: STACK-SLEEVE FITTINGS.
4. INTERIOR PARTITIONS: STEEL PIPE SLEEVES, ASTM A 53, TYPE E, GRADE B, SCHEDULE 40, GALVANIZED, WITH PLAIN ENDS AND INTEGRAL WELDED WATERSTOP COLLAR FOR PIPING SMALLER THAN NPS 6; GALVANIZED-STEEL SHEET SLEEVES, 0.0239-INCH MINIMUM THICKNESS, ROUND TUBE CLOSED WITH WELDED LONGITUDINAL JOINT FOR PIPING NPS 6 AND LARGER.

CONTROLS:
PROVIDE AND INSTALL CONTROL WIRING AND 7-DAY PROGRAMMABLE THERMOSTATS AS REQUIRED UNLESS OTHERWISE SPECIFIED. MOUNT THERMOSTATS 4'-0" A.F.F.

CONCRETE PADS:
PROVIDE 3000 PSI CONCRETE PAD FOR ALL GROUND AND FLOOR MOUNTED HVAC EQUIPMENT. PADS OUTDOORS ON GRADE SHALL BE 6 INCHES THICK AND EXTEND 4 INCHES ABOVE THE ADJACENT GRADE. PADS INDOORS SHALL BE NOMINALLY 4" THICK. PADS SHALL BE REINFORCED WITH 6"x6" 1010 WIRE AND SHALL HAVE CHAMFERED EDGES. CONCRETE PADS SHALL EXTEND 3 INCHES BEYOND ALL SIDES OF UNIT.

ELECTRICAL:
ALL EQUIPMENT FURNISHED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE REQUIREMENTS OF DIVISION 26. ALL POWER WIRING AND FINAL POWER CONNECTIONS TO THE SYSTEM SHALL BE PROVIDED PER THE ELECTRICAL DRAWINGS AND UNDER DIVISION 26. CONTROL WIRING (120V AND LESS) SHALL BE PROVIDED UNDER DIVISION 23 AND EXTEND FROM THE INDICATED 120V POWER CIRCUIT INDICATED ON THE ELECTRICAL DRAWINGS. ALL ELECTRICAL CHARACTERISTICS SHALL BE TAKEN FROM THE ELECTRICAL DRAWINGS AND SPECIFICATIONS AND COORDINATED PRIOR TO ORDERING THE EQUIPMENT. ALL WIRING IN THE CEILING PLENUM SHALL BE PLENUM-RATED CABLE OR INSTALLED IN CONDUIT.

MOTORS AND STARTERS:
PROVIDE MOTORS, STARTERS, VARIABLE FREQUENCY DRIVES, PUSH BUTTONS, THERMAL OVERLOAD SWITCHES, AND CONTACTORS FOR EQUIPMENT COVERED HEREIN UNLESS OTHERWISE SPECIFIED. INSTALLATION OF STARTERS, PUSH BUTTONS, THERMAL OVERLOAD SWITCHES, AND CONTACTORS (NOT FACTORY INSTALLED) IS SPECIFIED ON THE ELECTRICAL DRAWINGS AND UNDER DIVISION 26.

CLEANING AND ADJUSTING:
CLEAN ALL GREASE, OIL, PAINT, AND OTHER CONSTRUCTION DEBRIS FROM THE EXTERIOR SURFACES OF ALL MECHANICAL EQUIPMENT, PIPING, AND DUCTS. CLEAN ALL DUCTS, PLENUMS, AND CASINGS OF DEBRIS AND BLOWN FREE OF ALL PARTICLES OF RUBBISH AND DUST PRIOR TO INSTALLATION OF OUTLET FACES.

BEARINGS THAT REQUIRE LUBRICATION SHALL BE LUBRICATED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL CONTROL EQUIPMENT SHALL BE ADJUSTED TO THE SETTINGS INDICATED OR REQUIRED FOR PERFORMANCE AS SPECIFIED. REMOVE ALL STICKERS, RUST, STAINS, LABELS, AND TEMPORARY COVERS BEFORE FINAL ACCEPTANCE. REMOVE FOREIGN MATTER FROM EQUIPMENT, PIPING AND DUCTWORK SYSTEMS AND APPURTENANCES. CLEAN AND POLISH IDENTIFICATION PLATES.

REMOVE ALL TRASH AND DEBRIS FROM THE JOBSITE ON A DAILY BASIS.

TESTING, ADJUSTING, AND BALANCING:
ALL WORK SHALL BE TESTED AND BALANCED BY AN INDEPENDANT CERTIFIED TAB SPECIALIST. TAB SPECIALIST SHALL BE CERTIFIED BY AABC, NEBB, OR TABB.

SUBMIT FINAL TEST AND BALANCE REPORT FOR REVIEW AND APPROVAL PRIOR TO TURN-OVER OF FINAL PROJECT.

DESIGN CONDITIONS			
	SUMMER	WINTER	COMMENTS
INDOORS	72°Fdb 50%RH	70°Fdb	1,2
OUTDOORS	95°Fdb / 76°Fwb	23°Fdb	1,2

1. OUTDOOR AIR QUANTITIES BASED ON ASHRAE 62.1-2016
2. BASED ON GEORGIA ENERGY CODE

HVAC LEGEND

SYMBOL	DESCRIPTION
	SUPPLY DIFFUSER
	RETURN GRILLE
	EXHAUST GRILLE
SD-7 / 150	MARK/CFM (SEE AIR DISTRIBUTION DEVICE SCHEDULE)
30x14	DUCT SIZE (WIDTHxHEIGHT)
	MANUAL VOLUME DAMPER
T AHU-1	THERMOSTAT, WALL MOUNTED, UNIT SERVED
H DOAS-1	HUMIDISTAT, WALL MOUNTED, UNIT SERVED
C HVLS-1	CONTROLLER, WALL MOUNTED, UNIT SERVED
G EF-1	GAS MONITOR, WALL MOUNTED, UNIT SERVED
Ø	ROUND (DIAMETER)
	AIR FLOW DIRECTION
UC	3/4" DOOR UNDER CUT
	NEW DUCTWORK
	FLEX DUCT (LOW PRESSURE)
SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
OA	OUTDOOR AIR
U.N.O.	UNLESS NOTED OTHERWISE

APPLICABLE CODES AND STANDARDS

CODES AND STANDARDS	EDITION
INTERNATIONAL BUILDING CODE (IBC)	2018
INTERNATIONAL MECHANICAL CODE (IMC)	2018
INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	2015
ASHRAE 62.1	2016
NFPA 13	2019
NFPA 90A	2018
NFPA 90B	2018
NFPA 96	2017
NATIONAL ELECTRICAL CODE (NEC)	2023

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WWW.THEJLAGROUP.COM

CLIENT: AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE042747 MICHAEL NICHOLAS BOOKER 4-29-25

GEORGIA CERTIFICATE OF AUTHORIZATION JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026

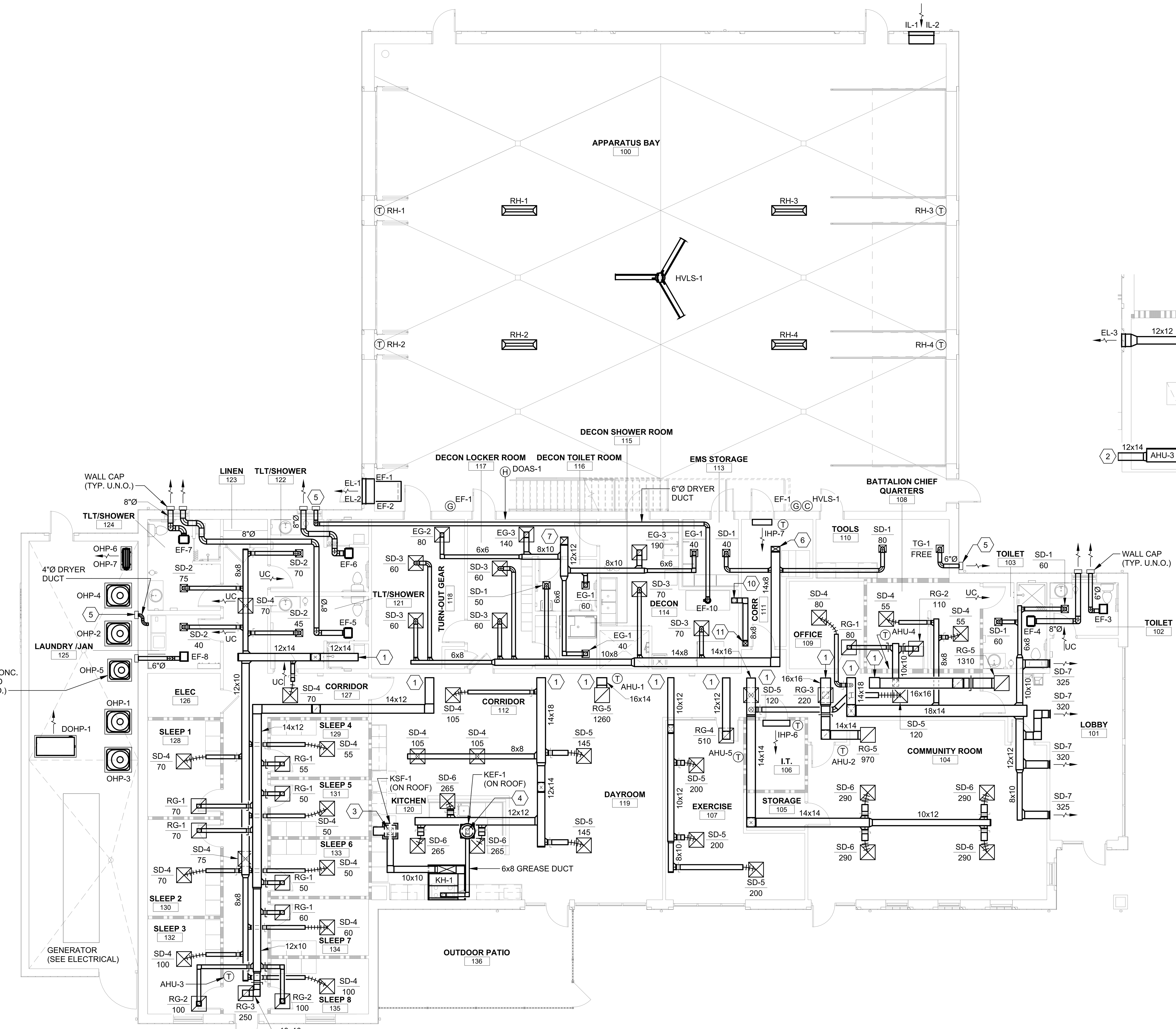
REV	DATE	BY	DESCRIPTION
A	04/29/25	MNB	ISSUED FOR BID/PERMIT

PROJECT NO. 3042.2403
DRAWN BY: JMS
CHECKED BY: MNB
DATE: 04/03/2024
SHEET TITLE: HVAC GENERAL NOTES AND LEGEND
SCALE: AS NOTED
DRAWING NO. M-001
REV. A

4/30/2025 1:33:05 AM C:\Revit-Locals\3042.2403 Augusta Fire Station No 3\3042.2403-HVAC-Local_nbooker.rvt
JLA-24X36.RFA REV. 05/16/2024 JAP

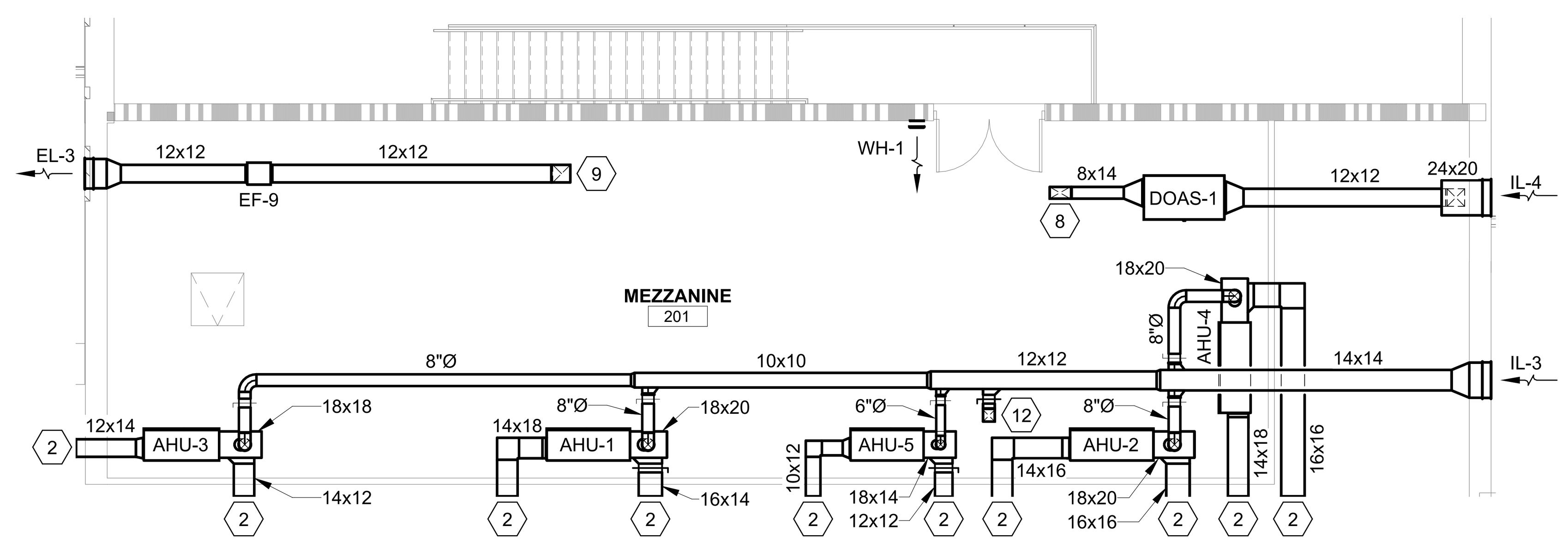
HVAC CONSTRUCTION NOTES:

1. SEE 2/M-101 FOR CONTINUATION.
2. SEE 1/M-101 FOR CONTINUATION.
3. 10x10 OA DUCTWORK DOWN FROM KSF-1 ON ROOF.
4. 6x8 GREASE DUCTWORK UP TO KEF-1 ON ROOF.
5. WALL CAP WITH BACKDRAFT DAMPER.
6. 14x8 OA DUCTWORK DOWN FROM MEZZANINE. SEE 2/M-101 FOR CONTINUATION.
7. 12x12 EA DUCTWORK UP TO MEZZANINE. SEE 2/M-101 FOR CONTINUATION.
8. 14x8 OA DUCTWORK DOWN TO FIRST FLOOR. SEE 1/M-101 FOR CONTINUATION.
9. 12x12 EA DUCTWORK UP FROM FIRST FLOOR. SEE 1/M-101 FOR CONTINUATION.
10. 8x8 OA DOWN FROM ABOVE CEILING TO 1'-0" A.F.F., OPEN ON THE BOTTOM TO PROVIDE MAKEUP AIR FOR DRYER (210 CFM).
11. 8x8 OA DUCTWORK DOWN FROM MEZZANINE. SEE 2/M-101 FOR CONTINUATION.
12. 8x8 OA DUCTWORK DOWN TO FIRST FLOOR WITH MOTORIZED DAMPER (NC) INTERLOCKED TO OPEN WHEN EF-10 IS ON. BALANCE MAXIMUM DAMPER POSITION TO 210 CFM. SEE 1/M-101 FOR CONTINUATION.



NOTE:
FIRE DAMPERS ARE NOT REQUIRED TO BE INSTALLED AT DUCTS THAT PENETRATE 1-HR RATED FIRE BARRIERS, PER 2018 IMC, SECTION 607.5.2, EXCEPTION 3. DUCTS AT SUCH WALL PENETRATIONS SHALL COMPLY FULLY WITH REQUIREMENTS OF EXCEPTION 3.

1 / M-101 **HVAC PLAN**
SCALE: 1/8" = 1'-0"



2 / M-101 **MEZZANINE HVAC PLAN**
SCALE: 1/8" = 1'-0"

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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PROJECT NO.	3042.2403
DRAWN BY:	JMS
CHECKED BY:	MNB
DATE:	04/03/2024
SHEET TITLE:	HVAC PLANS
SCALE	AS NOTED
DRAWING NO.	M-101
REV.	A

DEDICATED OUTSIDE AIR INDOOR AIR HANDLING UNIT SCHEDULE

MARK	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: MODEL	E.S.P. (IN WC)	NOM. CFM	COOLING COIL: TOTAL (MBH)	COOLING COIL: SENSIBLE (MBH)	COOLING COIL: EAT (DB/WB)	COOLING COIL: LAT (DB/WB)	HOT GAS REHEAT COIL: CAPACITY (MBH)	HOT GAS REHEAT COIL: LAT (DB)	HEATING COIL: TOTAL (MBH)	HEATING COIL: EAT (DB)	HEATING COIL: LAT (DB)	ELECTRIC HEATER (KW)	ELECTRICAL: MCA	ELECTRICAL: MOCP	ELECTRICAL: VOLTAGE	ELECTRICAL: PHASE	ELECTRICAL: HZ	NOTES
DOAS-1	AAON	H3-ARB-8-0-461C-7BS	0.5	550	43.5	24.8	95/76	52/52	13.1	72	32.8	23	70	10.5	39.0	40	208	3	60	1,2,3,4,5,6,7

1. FIELD ROUTE REFRIGERANT PIPING TO DOHP-1
2. MIN. MERV 8 FILTER
3. MODULATING HOT GAS REHEAT
4. HORIZONTAL UNIT WITH LEFT HAND CONNECTIONS
5. PROVIDE TEMPERATURE/ HUMIDITY SENSOR
6. FIELD ROUTE CONDENSATE DRAIN PIPING TO HUB DRAIN IN MEZZANINE
7. SEE DECON DOAS UNIT SEQUENCE OF OPERATIONS ON THIS SHEET

DEDICATED OUTSIDE AIR OUTDOOR HEAT PUMP UNIT SCHEDULE

MARK	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: MODEL	COOLING: TOTAL (MBH)	COOLING: SENSIBLE (MBH)	TOTAL HEATING (MBH)	MIN. ISMRE	ELECTRICAL: MCA	ELECTRICAL: MOCP	ELECTRICAL: VOLTAGE	ELECTRICAL: PHASE	ELECTRICAL: HZ	NOTES
DOHP-1	AAON	CFA-004-A-A-8-LJ00H	43.5	24.8	32.8	5.6	24.0	40	208	3	60	1,2,3

1. PROVIDE WITH DISCONNECT
2. VARIABLE CAPACITY SCROLL COMPRESSOR
3. SEE DECON DOAS UNIT SEQUENCE OF OPERATIONS ON THIS SHEET

SPLIT SYSTEM AIR HANDLING UNIT SCHEDULE

MARK	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: MODEL	E.S.P. (IN WC)	NOM. CFM	OA CFM	ELECTRIC HEATER (KW)	ELECTRICAL: MCA	ELECTRICAL: MOCP	ELECTRICAL: VOLTAGE	ELECTRICAL: PHASE	ELECTRICAL: HZ	NOTES
AHU-1	TRANE	5TEM6D06AV41	0.5	1,400	140	10.80	45.0	45	208	3	60	1,2,3,4
AHU-2	TRANE	5TEM6D06AV41	0.5	1,400	210	10.80	45.0	45	208	3	60	1,2,3,4
AHU-3	TRANE	5TEM6D04AV31	0.5	1,000	195	5.77	40.0	40	208	1	60	1,2,3,4
AHU-4	TRANE	5TEM6D07AV51	0.5	1,600	100	10.80	45.0	45	208	3	60	1,2,3,4
AHU-5	TRANE	5TEM6B02AV21	0.5	600	90	3.60	25.0	25	208	1	60	1,2,3,4

1. PROVIDE THERMOSTAT
2. MIN. MERV 8 FILTER
3. FIELD ROUTE REFRIGERANT PIPING TO CORRESPONDING OHP, U.N.O.
4. FIELD ROUTE CONDENSATE DRAIN PIPING TO HUB DRAIN IN MEZZANINE

SPLIT SYSTEM HEAT PUMP SCHEDULE

MARK	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: MODEL	COOLING CAPACITY: TOTAL (MBH)	COOLING CAPACITY: SENSIBLE (MBH)	TOTAL HEATING (MBH)	REFRIG. O.D.: LIQUID	REFRIG. O.D.: SUCTION	MIN. SEER	ELECTRICAL: MCA	ELECTRICAL: MOCP	ELECTRICAL: VOLTAGE	ELECTRICAL: PHASE	ELECTRICAL: HZ	NOTES
OHP-1	TRANE	5TWR4042A1	40.6	30.5	38.5	5/16	7/8	14.3	24.0	40	208	1	60	
OHP-2	TRANE	5TWR4042A1	40.6	30.5	38.5	5/16	7/8	14.3	24.0	40	208	1	60	
OHP-3	TRANE	5TWR4030A1	29.0	22.7	25.6	5/16	3/4	14.3	16.0	25	208	1	60	
OHP-4	TRANE	5TWR4048A1	46.1	36.2	39.5	5/16	7/8	14.3	25.0	40	208	1	60	
OHP-5	TRANE	5TWR4018A1	18.4	13.3	18.3	5/16	3/4	14.3	12.0	20	208	1	60	

DUCTLESS INDOOR HEAT PUMP SCHEDULE

MARK	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: MODEL	NOM. CFM	OA CFM	COOLING: TOTAL (MBH)	COOLING: SENSIBLE (MBH)	TOTAL HEATING (MBH)	ELECTRICAL: MCA	ELECTRICAL: MOCP	ELECTRICAL: VOLTAGE	ELECTRICAL: PHASE	ELECTRICAL: HZ	NOTES
IHP-6	MITSUBISHI	MSY-GX24NL	765	-	22.3	17.4	-	1.0	NOTE 2	208	1	60	1,2,3,4,5
IHP-7	MITSUBISHI	MSZ-GX15NL	585	-	14.0	11.5	15.5	1.0	NOTE 2	208	1	60	1,2,3,4,5,6

1. PROVIDE WALL MOUNTED, WIRED CONTROLLER
2. INDOOR UNIT RECEIVES POWER FROM OUTDOOR UNIT
3. PROVIDE FILTER
4. FIELD ROUTE REFRIGERANT PIPING TO CORRESPONDING OHP, U.N.O.
5. FIELD ROUTE CONDENSATE DRAIN PIPING TO WALL DRAIN BOX 106 I.T.
6. PROVIDE 208V MINI-CONDENSATE PUMP

DUCTLESS OUTDOOR HEAT PUMP SCHEDULE

MARK	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: MODEL	TOTAL COOLING (MBH)	TOTAL HEATING (MBH)	REFRIG. O.D.: LIQUID	REFRIG. O.D.: SUCTION	MIN. SEER	ELECTRICAL: MCA	ELECTRICAL: MOCP	ELECTRICAL: REC. FUSE SIZE	ELECTRICAL: VOLTAGE	ELECTRICAL: PHASE	ELECTRICAL: HZ	NOTES
OHP-6	MITSUBISHI	MUY-GX24NL	22.3	-	1/4	5/8	21.5	23.0	40	25	208	1	60	
OHP-7	MITSUBISHI	MUZ-GX15NL	14.0	15.5	1/4	1/2	22.0	16.0	28	20	208	1	60	1

1. INSTALL ON WALL BRACKET, ABOVE OHP-6. INSTALL PER MANUFACTURER INSTRUCTIONS

EXHAUST FAN SCHEDULE

MARK	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: MODEL	TYPE	E.S.P. (IN WC)	NOM. CFM	SONES	ELECTRICAL: FRPM MAX	ELECTRICAL: MOTOR POWER	ELECTRICAL: VOLTAGE	ELECTRICAL: PHASE	ELECTRICAL: HZ	NOTES
EF-1	GREENHECK	AER-24-02-0320-VG	SIDEWALL	0.125	3,400	8.5	800	1/2 HP	208	1	60	2,4,5,7,8,9
EF-2	GREENHECK	AER-20-02-0605-VG	SIDEWALL	0.125	250	5.0	500	1/4 HP	208	1	60	1,2,4,5,6
EF-3	GREENHECK	SP-A90	CEILING	0.25	70	0.8	900	15 W	115	1	60	3,4
EF-4	GREENHECK	SP-A390-VG	CEILING	0.25	120	2.7	912	15 W	115	1	60	3,4,6
EF-5	GREENHECK	SP-A390-VG	CEILING	0.25	120	2.7	912	15 W	115	1	60	3,4,6
EF-6	GREENHECK	SP-A390-VG	CEILING	0.25	120	2.7	912	15 W	115	1	60	3,4,6
EF-7	GREENHECK	SP-A390-VG	CEILING	0.25	120	2.7	912	15 W	115	1	60	3,4,6
EF-8	GREENHECK	SP-A90	CEILING	0.25	75	0.8	900	15 W	115	1	60	3,4
EF-9	GREENHECK	SQ-95-VG	INLINE	0.50	550	8.4	1,636	1/6 HP	115	1	60	5,7,9
EF-10	ATMOSPHERE VORTEX	VTX600L	INLINE	0.25	210	-	2,950	70 W	115	1	60	10

1. CONTINUOUS OPERATION
2. WALL HOUSING
3. INTERLOCK WITH LIGHTS
4. PROVIDE BACKDRAFT DAMPER
5. PROVIDE DISCONNECT
6. EC MOTOR WITH SPEED CONTROLLER
7. EC MOTOR WITH H.O.A. CONTROLLER
8. CONTROLLED BY GAS DETECTOR (S&P MODEL 6002 OR APPROVED EQUAL); SEE EXHAUST FAN EF-1 SEQUENCE OF OPERATIONS ON THIS SHEET
9. SEE DECON DOAS UNIT SEQUENCE OF OPERATIONS ON THIS SHEET
10. CONTROLLED BY PRESSURE SWITCH

LOUVER SCHEDULE

MARK	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: MODEL	TYPE	NOM. CFM	LOUVER SIZE	MIN. FREE AREA (SQFT)	BOTTOM OF LOUVER ELEV. (FT A.F.F.)	NOTES
EL-1	GREENHECK	ESD-635X	EXHAUST	3,400	40"x40"	6.37	18'-8"	1,2,3,4,5
EL-2	GREENHECK	ESD-635X	EXHAUST	250	40"x40"	6.37	14'-0"	1,2,3,4
EL-3	GREENHECK	ESD-635X	EXHAUST	550	20"x16"	0.74	16'-1"	1,2,3,4,5
IL-1	GREENHECK	ESD-635X	INTAKE	3,400	40"x32"	4.78	4'-5"	1,2,3,4,6,7
IL-2	GREENHECK	ESD-635X	INTAKE	250	40"x16"	1.60	8'-5"	1,2,3,4,5
IL-3	GREENHECK	ESD-635X	INTAKE	945	24"x20"	1.37	17'-11"	1,2,3,4
IL-4	GREENHECK	ESD-635X	INTAKE	550	24"x20"	1.37	17'-11"	1,2,3,4

1. PROVIDE BIRDSCREEN
2. WELDED CONSTRUCTION
3. FLANGED FRAME
4. PREFINISH WITH BAKED ON "KYNAR" FINISH
5. PROVIDE BACKDRAFT DAMPER
6. PROVIDE MOTORIZED DAMPER INTERLOCKED WITH EXHAUST FAN EF-1
7. SEE EXHAUST FAN EF-1 SEQUENCE OF OPERATIONS ON THIS SHEET

DECON DOAS UNIT SEQUENCE OF OPERATIONS:

IMPLEMENT THE FOLLOWING AIR SYSTEM CONTROL STRATEGIES IN THE CONTROLLER FOR DOAS-1, DOHP-1, AND EF-9.

OCCUPIED MODE:
THE SPACE TEMPERATURE SHALL BE MAINTAINED AT 72°F (ADJUSTABLE) WITH A MAXIMUM RELATIVE HUMIDITY OF 50% (ADJUSTABLE) IN THE SUMMER AND 70°F (ADJUSTABLE) IN THE WINTER.

THE SUPPLY FAN SHALL RUN CONTINUOUSLY. THE COOLING/HEATING COIL, HOT GAS REHEAT COIL, AND ELECTRIC HEATER WILL CYCLE ON/OFF AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AND HUMIDITY LEVEL.

EF-9 IS INTERLOCKED WITH THE SUPPLY FAN FOR DOAS-1 TO RUN CONTINUOUSLY.

UNOCCUPIED MODE:
THE SPACE TEMPERATURE SHALL BE MAINTAINED AT 72°F (ADJUSTABLE) WITH A MAXIMUM RELATIVE HUMIDITY OF 50% (ADJUSTABLE) IN THE SUMMER AND 70°F (ADJUSTABLE) IN THE WINTER.

THE SUPPLY FAN, COOLING/HEATING COIL, HOT GAS REHEAT COIL, AND ELECTRIC HEATER WILL CYCLE ON/OFF AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AND HUMIDITY LEVEL.

EF-9 IS INTERLOCKED WITH THE SUPPLY FAN FOR DOAS-1 TO CYCLE ON/OFF.

EXHAUST FAN EF-1 SEQUENCE OF OPERATIONS:

IMPLEMENT THE FOLLOWING AIR SYSTEM CONTROL STRATEGIES FOR EXHAUST FAN EF-1 USING AN HOA CONTROLLER. SEE IMC SECTION 404.1.

EXHAUST FAN EF-1 SHALL BE NORMALLY OFF AND THE MOTORIZED DAMPER INSTALLED IN INTAKE LOUVER IL-1 SHALL BE NORMALLY CLOSED.

UPON DETECTION OF CARBON MONOXIDE (25 PPM OR MORE) AND/OR NITROGEN DIOXIDE (2 PPM OR MORE) AT THE VENTILATION GAS DETECTOR, EF-1 SHALL TURN ON TO OPERATE AT AN AIRFLOW RATE OF 3,400 CFM AND THE MOTORIZED DAMPER INSTALLED IN INTAKE LOUVER IL-1 SHALL FULLY OPEN.

ONCE THE CARBON MONOXIDE EXPOSURE CONCENTRATION IS BELOW 25 PPM AND THE NITROGREN DIOXIDE EXPOSURE CONCENTRATION IS BELOW 2 PPM, EF-1 SHALL TURN OFF AND THE MOTORIZED DAMPER INSTALLED IN INTAKE LOUVER IL-1 SHALL FULLY CLOSE.

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE042747 MICHAEL NICHOLAS BOOKER 4-29-25

GEORGIA CERTIFICATE OF AUTHORIZATION JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026

REV	DATE	BY	DESCRIPTION
A	04/29/25	MNB	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JMS
CHECKED BY:	MNB
DATE:	04/03/2024

SHEET TITLE: HVAC SCHEDULES

SCALE: AS NOTED

DRAWING NO. M-201 REV. A

4/30/2025 1:33:07 AM C:\Revit-Locals\3042.2403 Augusta Fire Station No 3\30422403-HVAC-Local_nbooker.rvt

KITCHEN HOOD SCHEDULE

MARK	BASIS OF DESIGN		HOOD TYPE	EXHAUST HOOD				SUPPLY PLENUM				MATERIAL OF CONSTRUCTION	NOTES
	MANUFACTURER	MODEL		CFM	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	CFM	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)		
KH-1	GREENHECK	GHEW	TYPE I	550	48	42	36	440	60	14	4	430 SS	1,2,3,4,5,6,7,8,9

1. NFS LABEL
2. UL LABEL
3. COMPLY WITH NFPA 96
4. HOOD MOUNTED UTILITY CABINET
5. 120V CFL LIGHTS
6. EXTERNAL SUPPLY AIR CURTAIN
7. PROVIDE WITH HOOD MOUNTED TEMPERATURE INTERLOCK
8. PROVIDE KITCHEN FAN CONTROL CENTER
9. FURNISH WITH WET CHEMICAL FIRE SUPPRESSION SYSTEM, ANSUL R-102 OR EQUAL

KITCHEN EXHAUST FAN SCHEDULE

MARK	BASIS OF DESIGN		TYPE	E.S.P. (IN WC)	NOM. CFM	SONES	ELECTRICAL					NOTES
	MANUFACTURER	MODEL					FRPM MAX	MOTOR POWER	VOLTAGE	PHASE	HZ	
KEF-1	GREENHECK	CUE-099-VG	ROOF	0.624	550	6.8	1,330	1/4 HP	208	1	60	1,2,3,4

1. INTERLOCK WITH KITCHEN HOOD, KH-1
2. PROVIDE DISCONNECT
3. EC MOTOR W/SPEED CONTROLLER
4. PROVIDE VENTED ROOF CURB

KITCHEN SUPPLY FAN SCHEDULE

MARK	BASIS OF DESIGN		TYPE	E.S.P.	NOM. CFM	SONES	ELECTRICAL					NOTES
	MANUFACTURER	MODEL					FRPM MAX	MOTOR POWER	VOLTAGE	PHASE	HZ	
KSF-1	GREENHECK	KSQ-9-M1-VG	ROOF	0.26	440	5.5	1,108	1/4 HP	208	1	60	1,2,3,4,5,6,7

1. INTERLOCK WITH KITCHEN HOOD, KH-1
2. DOWNFLOW CONFIGURATION
3. PROVIDE DISCONNECT
4. PROVIDE BACKDRAFT DAMPER
5. ALUMINUM MESH WEATHERHOOD
6. EC MOTOR W/SPEED CONTROLLER
7. PROVIDE ROOF CURB

HIGH VOLUME LOW SPEED FAN SCHEDULE

MARK	BASIS OF DESIGN		FAN DIA. (FT)	FAN WEIGHT (LB)	FAN SPEED RPM	FAN ELEVATION	ELECTRICAL				NOTES
	MANUFACTURER	MODEL					MOTOR POWER	VOLTAGE	PHASE	HZ	
HVLS-1	GREENHECK	DS-3-12-70LV	12'Ø	115	126	27'-4"	3/4 HP	208	3	60	1,2,3

1. PROVIDE MOUNTING KIT
2. PROVIDE DISCONNECT
3. PROVIDE DIGITAL CONTROLLER

ELECTRIC INFRARED RADIANT HEATER SCHEDULE

MARK	BASIS OF DESIGN		HEATING		ELEVATION (FT A.F.F.)	ELECTRICAL			NOTES
	MANUFACTURER	MODEL	CAPACITY (KW)	CAPACITY (MBH)		VOLTAGE	PHASE	HZ	
RH-1	QMARK	BRM13583	13.5	46.1	27'-0"	208	1	60	1,2
RH-2	QMARK	BRM13583	13.5	46.1	27'-0"	208	1	60	1,2
RH-3	QMARK	BRM13583	13.5	46.1	27'-0"	208	1	60	1,2
RH-4	QMARK	BRM13583	13.5	46.1	27'-0"	208	1	60	1,2

1. PROVIDE THERMOSTAT
2. PROVIDE POWER DISCONNECT SWITCH

WALL HEATER SCHEDULE

MARK	BASIS OF DESIGN		HEATING		ELECTRICAL				NOTES
	MANUFACTURER	MODEL	KW	BTU/HR	AMPS	VOLTAGE	PHASE	HZ	
WH-1	QMARK	CWH1208DSF	2.0	6,826	9.6	208	1	60	1,2,3

1. SURFACE MOUNTING FRAME (WALL)
2. DISCONNECT SWITCH
3. INTERNAL THERMOSTAT SET AT 60°F

AIR DISTRIBUTION DEVICE SCHEDULE

MARK	SIZE (INCHES)		MOUNTING			THROW	MATERIAL		DEVICE CONNECTION			BASIS OF DESIGN		NOTES
	FACE	NECK	CEILING	DUCT	SIDEWALL		STEEL	ALUMINUM	1	2	3	MANUFACTURER	MODEL	
EG-1	12x12	6x6	X			-	X				X	TITUS	PAR	1,3
EG-2	24x24	6x6	X			-	X				X	TITUS	PAR	1,3
EG-3	24x24	8x8	X			-	X				X	TITUS	PAR	1,3
RG-1	24x24	6x6	X			-	X				X	TITUS	PAR	1
RG-2	24x24	8x8	X			-	X				X	TITUS	PAR	1
RG-3	24x24	10x10	X			-	X				X	TITUS	PAR	1
RG-4	24x24	12x12	X			-	X				X	TITUS	PAR	1
RG-5	24x24	22x22	X			-	X				X	TITUS	PAR	4
SD-1	12x12	6"Ø	X			4	X		X			TITUS	TMS	1,2,3
SD-2	12x12	6"Ø	X			4	X		X			TITUS	TMS	1,2
SD-3	24x24	6"Ø	X			4	X		X			TITUS	TMS	1,2,3
SD-4	24x24	6"Ø	X			4	X		X			TITUS	TMS	1,2
SD-5	24x24	8"Ø	X			4	X		X			TITUS	TMS	1,2
SD-6	24x24	10"Ø	X			4	X		X			TITUS	TMS	1,2
SD-7	12x8	12x8			X	DD (45°)	X				X	TITUS	300RS	1,3,5
TG-1	12x12	6"Ø	X			-	X		X			TITUS	PAR	1

LEGEND

1. SYMBOL KEY - FIRST LETTER: S-SUPPLY, R-RETURN, E-EXHAUST, T-TRANSFER AND D-DOOR.
SECOND LETTER: D-DIFFUSER, R-REGISTER AND G-GRILLE.

2. CONNECTIONS - (DEVICE CONN. COLUMN) 1. ROUND DUCT TO ROUND NECK.
2. ROUND DUCT TO RECTANGULAR NECK.
3. RECTANGULAR DUCT TO RECTANGULAR NECK.

3. FIELD PAINT ALL SUPPLIES AND RETURNS TO MATCH CEILING AND/OR WHITE FINISH OTHERWISE.

4. 1, 2, 3 AND 4-WAY AND DOUBLE DEFLECTION (DD) AIR DEVICES ARE INDICATED IN "THROW" COLUMN. 0°, 22.5°, AND 45° REPRESENT BLADE DEFLECTION ANGLES.

1. DUCT RUNOUT SIZE SAME AS NECK CONNECTION SIZE, U.N.O.
2. PROVIDE R-6 FOIL BACKED INSULATION
3. OPPOSED BLADE DAMPER
4. SEE DETAIL 7/M-301
5. BOTTOM OF GRILLE 10'-10" A.F.F.

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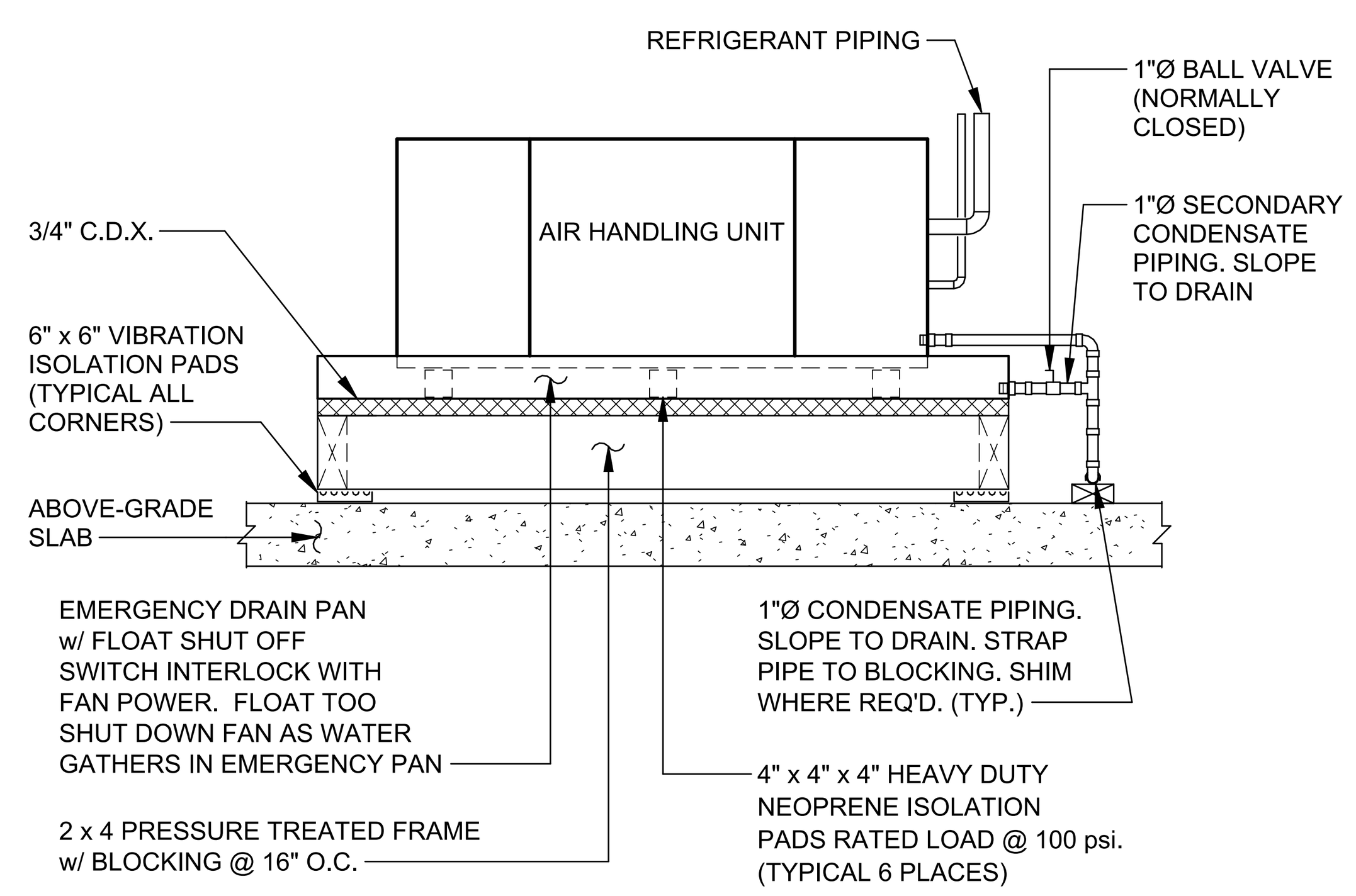
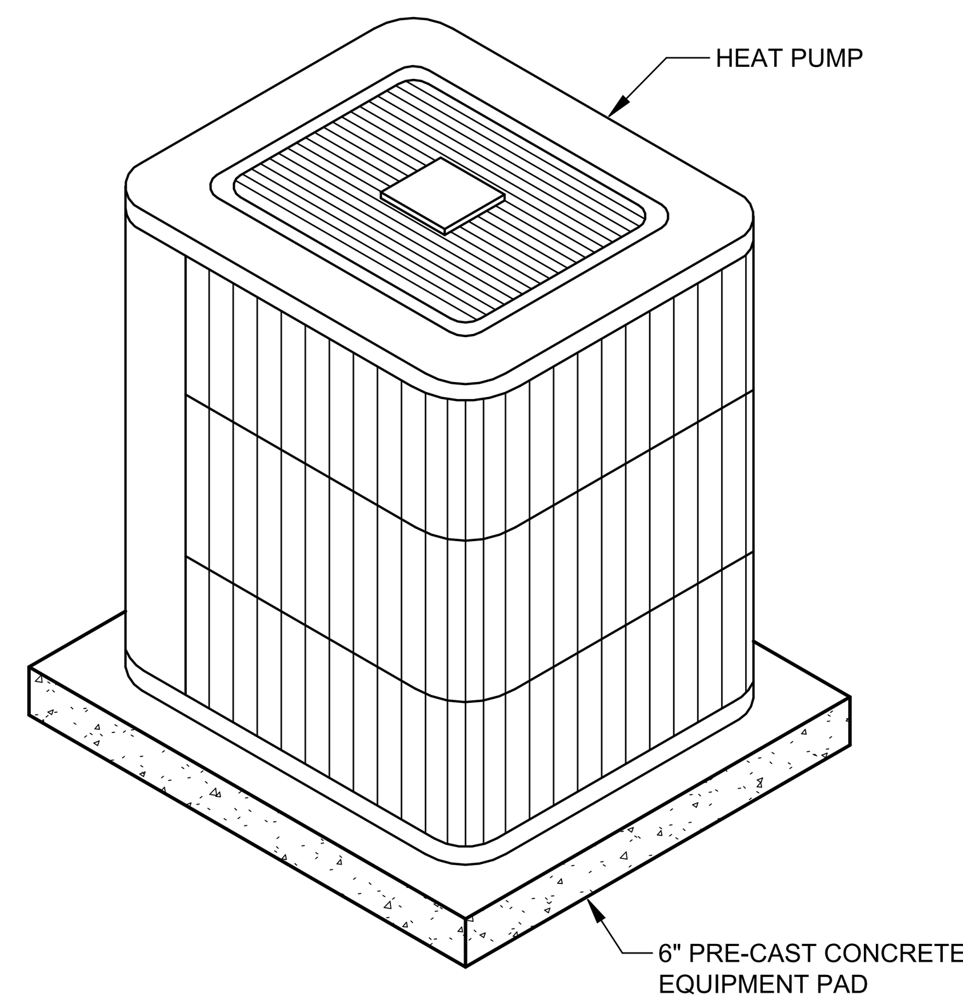
PROJECT NO. 3042.2403
DRAWN BY: JMS
CHECKED BY: MNB
DATE: 04/03/2024
SHEET TITLE: HVAC SCHEDULES
SCALE: AS NOTED
DRAWING NO. M-202
REV. A

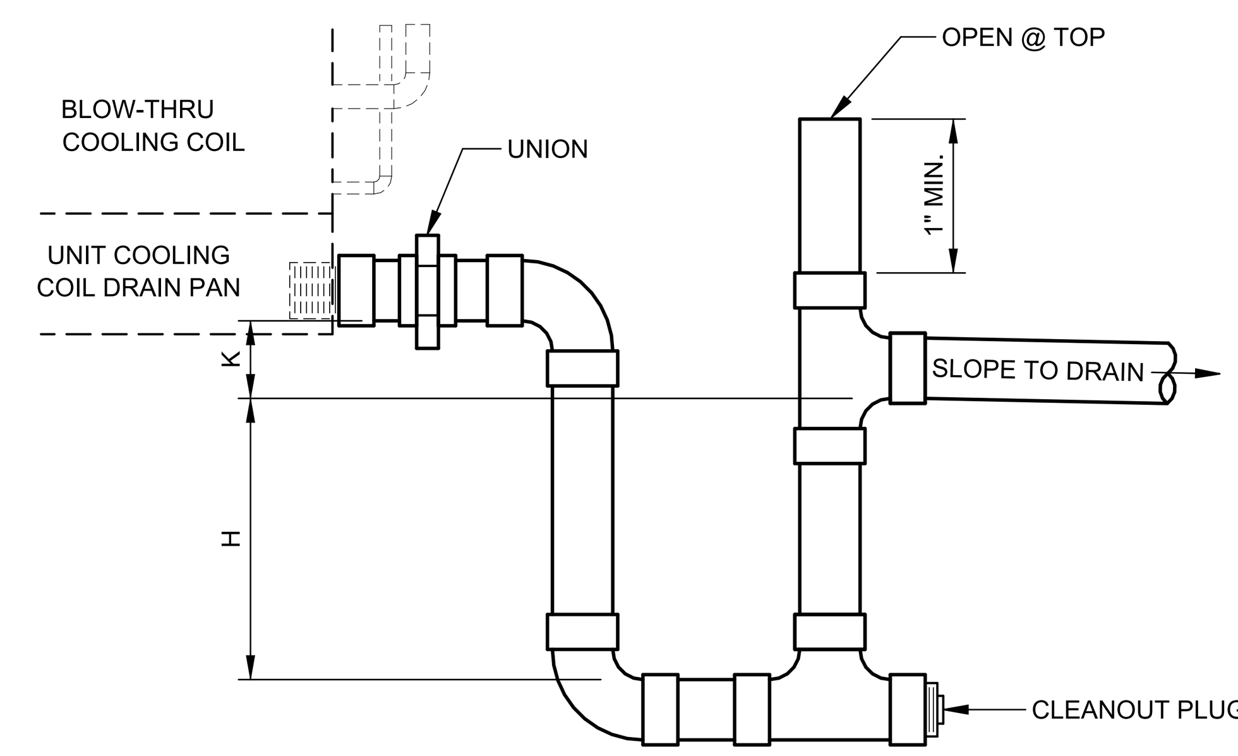
HVAC DETAILS — M-301



1 M-301 **DETAIL - AIR HANDLING UNIT IN ATTIC**
NO SCALE



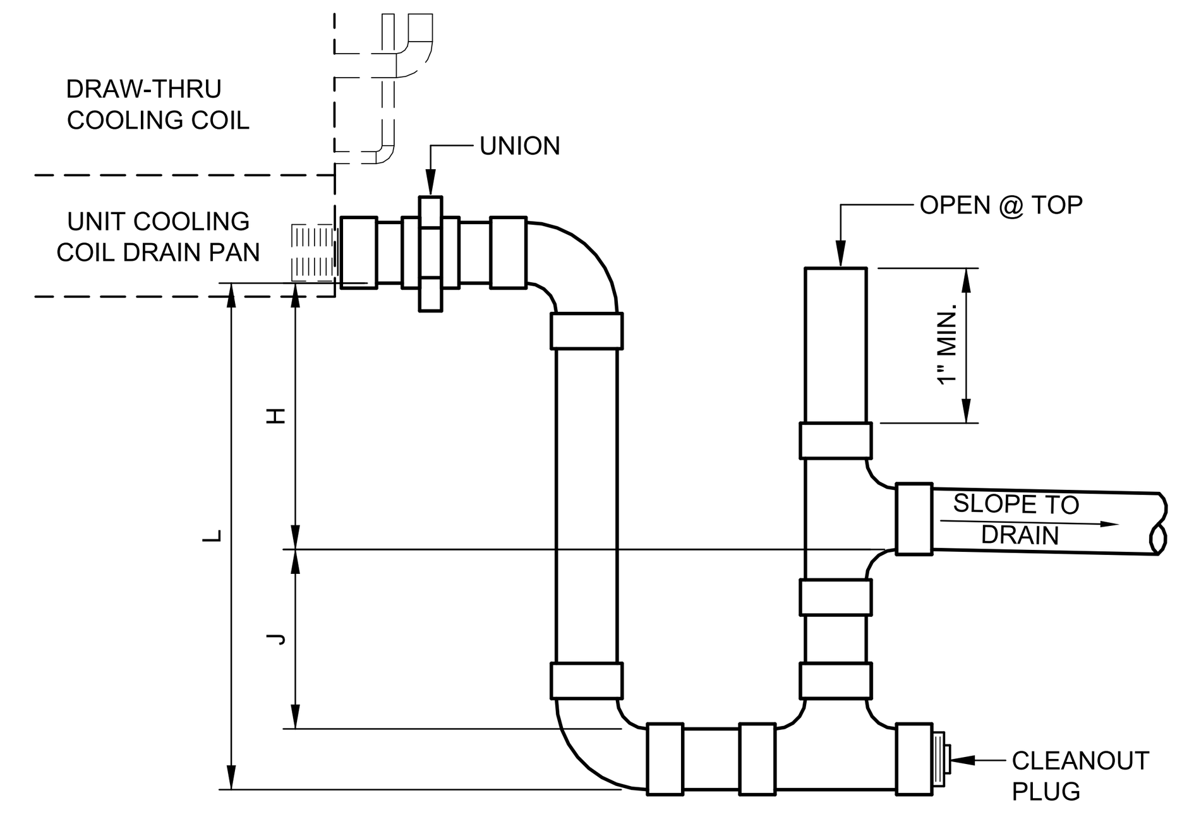
2 M-301 **DETAIL - HEAT PUMP ELEVATION**
NO SCALE



NOTES:

1. DRAIN LINE CONNECTION SIZE SAME AS UNIT DRAIN SIZE.
2. EXTEND DRAIN PIPING TO SPECIFIED LOCATION ON HVAC PLAN.
3. DRAIN LINE TO BE SUPPORTED EVERY 4' WITH 3/8" ROD AND LIGHT-DUTY CLEVIS HANGER
4. K = MIN. 1/2"
5. H = 1/2" + MAXIMUM TOTAL STATIC PRESSURE

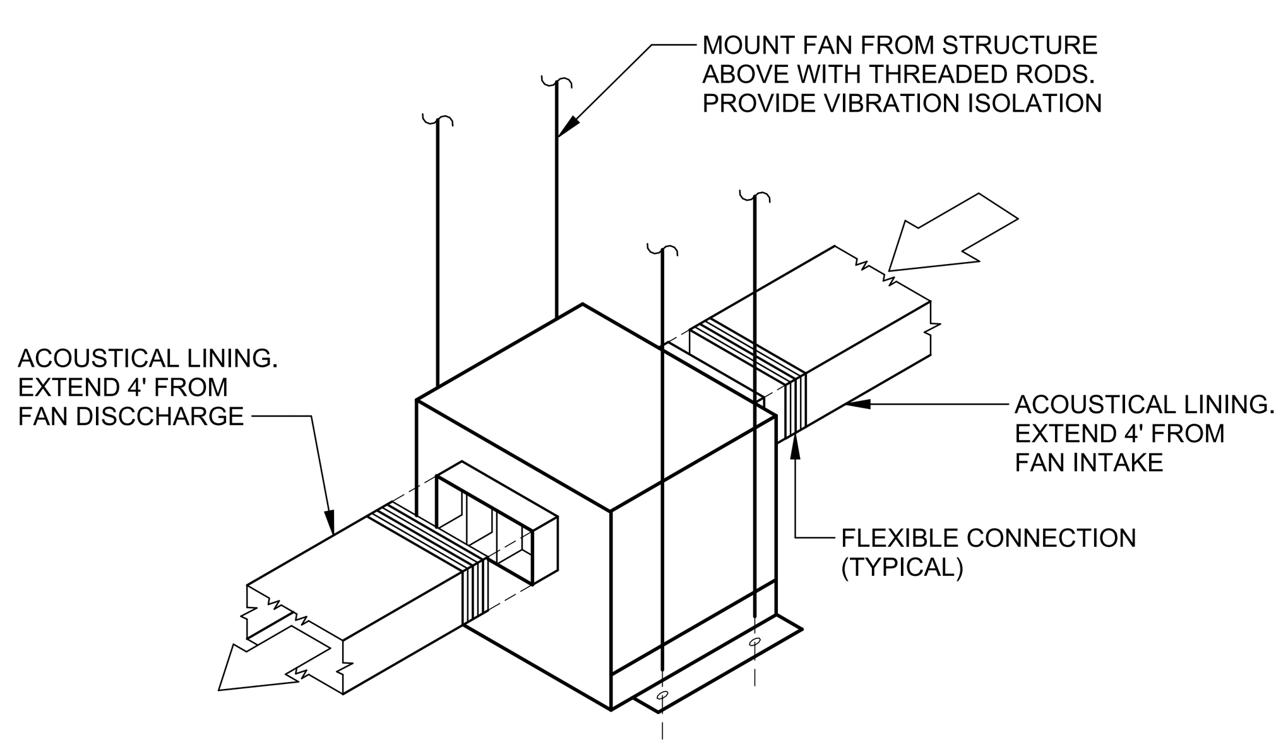
3 M-301 **DETAIL - CONDENSATE DRAIN TRAP**
NO SCALE — POSITIVE PRESSURE TRAP



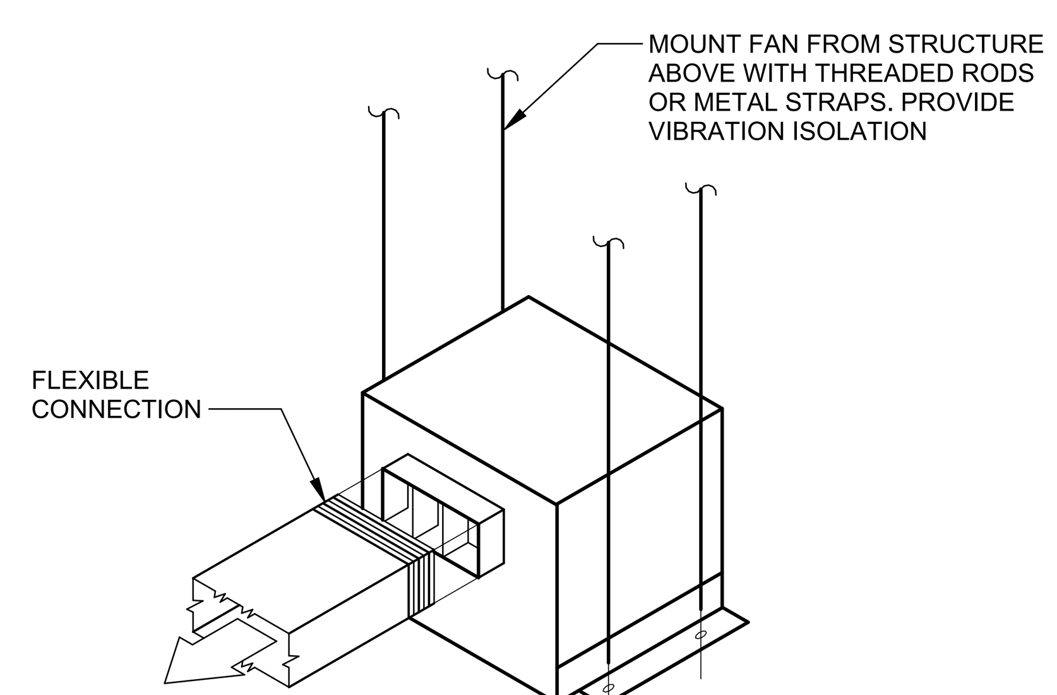
NOTES:

1. DRAIN LINE CONNECTION SIZE SAME AS UNIT DRAIN SIZE.
2. EXTEND DRAIN PIPING TO SPECIFIED LOCATION ON HVAC PLAN.
3. DRAIN LINE TO BE SUPPORTED EVERY 4' WITH 3/8" ROD AND LIGHT-DUTY CLEVIS HANGER.
4. H = (1" FOR EACH 1" OF MAXIMUM NEGATIVE STATIC PRESSURE) + 1"
5. J = 1/2 OF H
6. L = H + J + PIPE DIA.

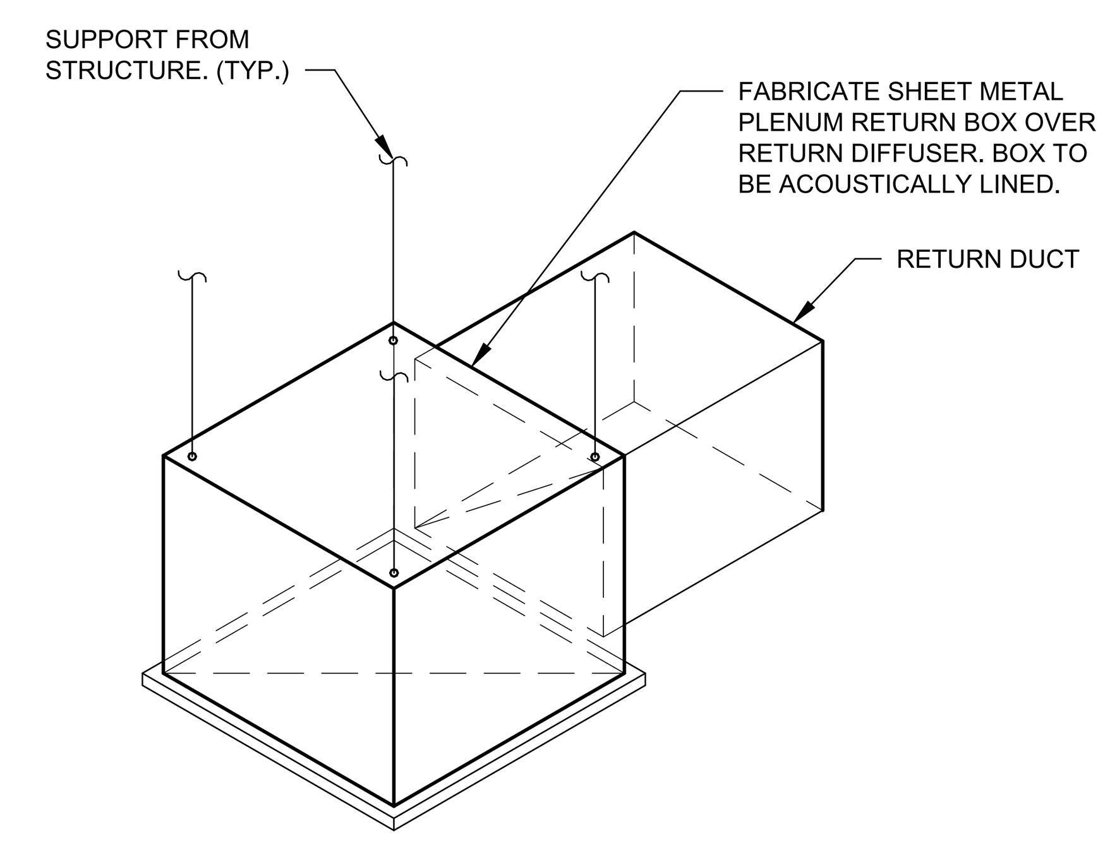
4 M-301 **DETAIL - CONDENSATE DRAIN TRAP**
NO SCALE — NEGATIVE PRESSURE TRAP



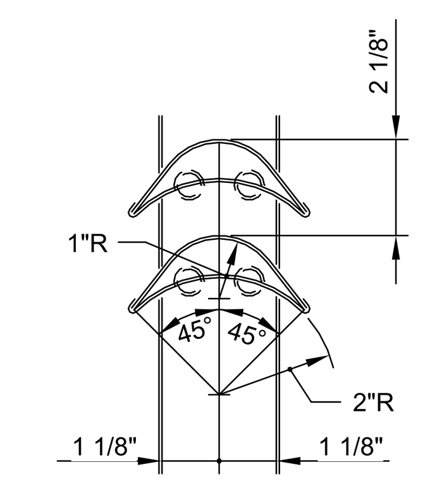
5 M-301 **IN-LINE CEILING EXHAUST FAN DETAIL**
NO SCALE



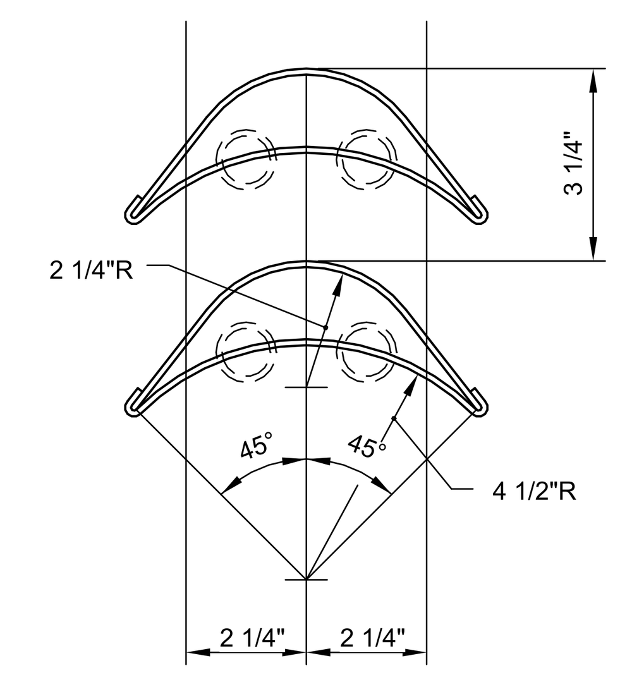
6 M-301 **CEILING EXHAUST FAN DETAIL**
NO SCALE



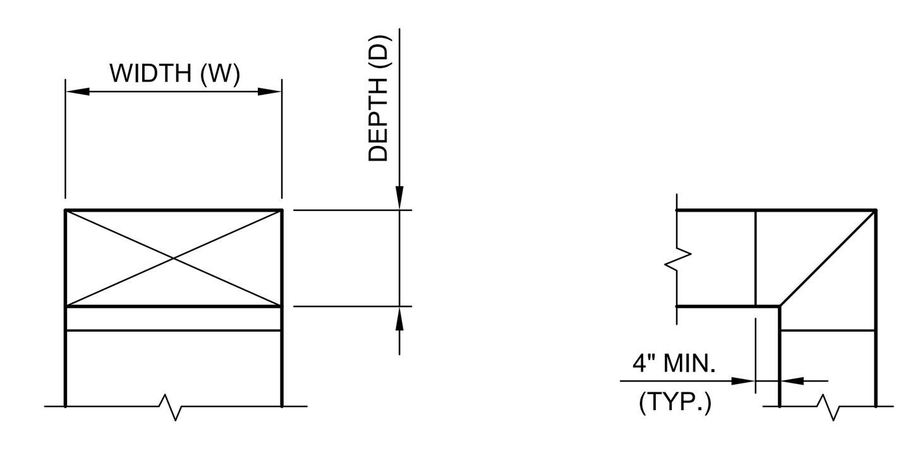
7 M-301 **DETAIL - ONE GRILLE RETURN PLENUM BOX**
NO SCALE



SMALL DOUBLE VANE ELBOW
USE FOR ELBOWS UP TO 36" IN WIDTH AND/OR DEPTH



LARGE DOUBLE VANE ELBOW
USE FOR ELBOWS 36" OR WIDER AND ANY DEPTH

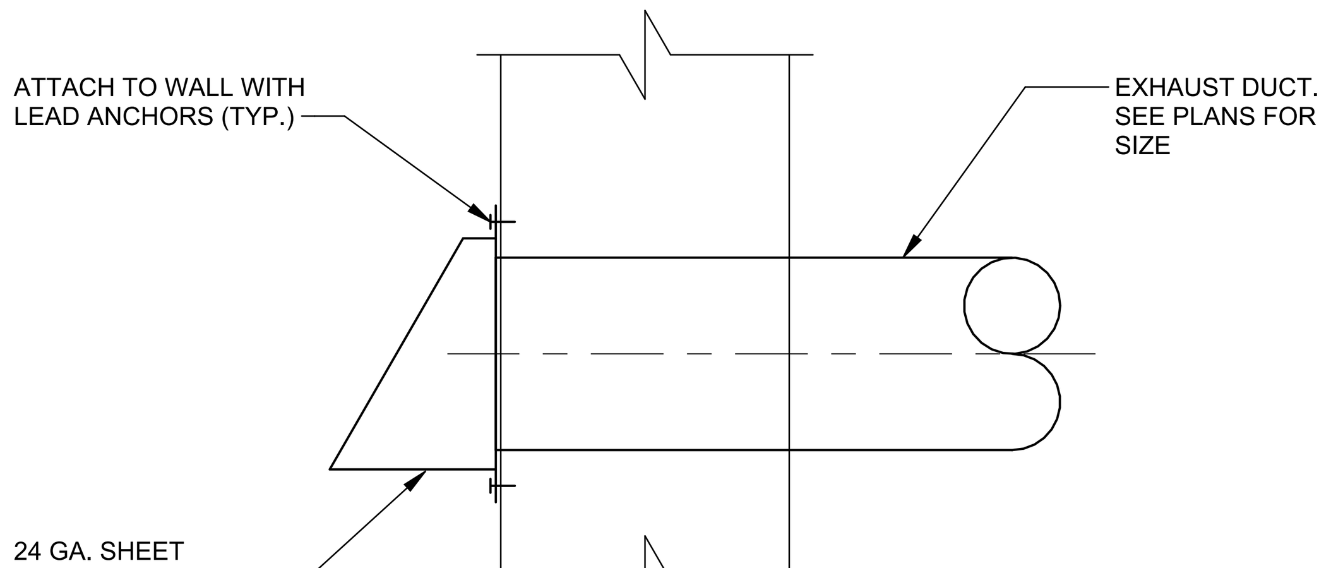


FRONT VIEW **SIDE VIEW**

NOTES:

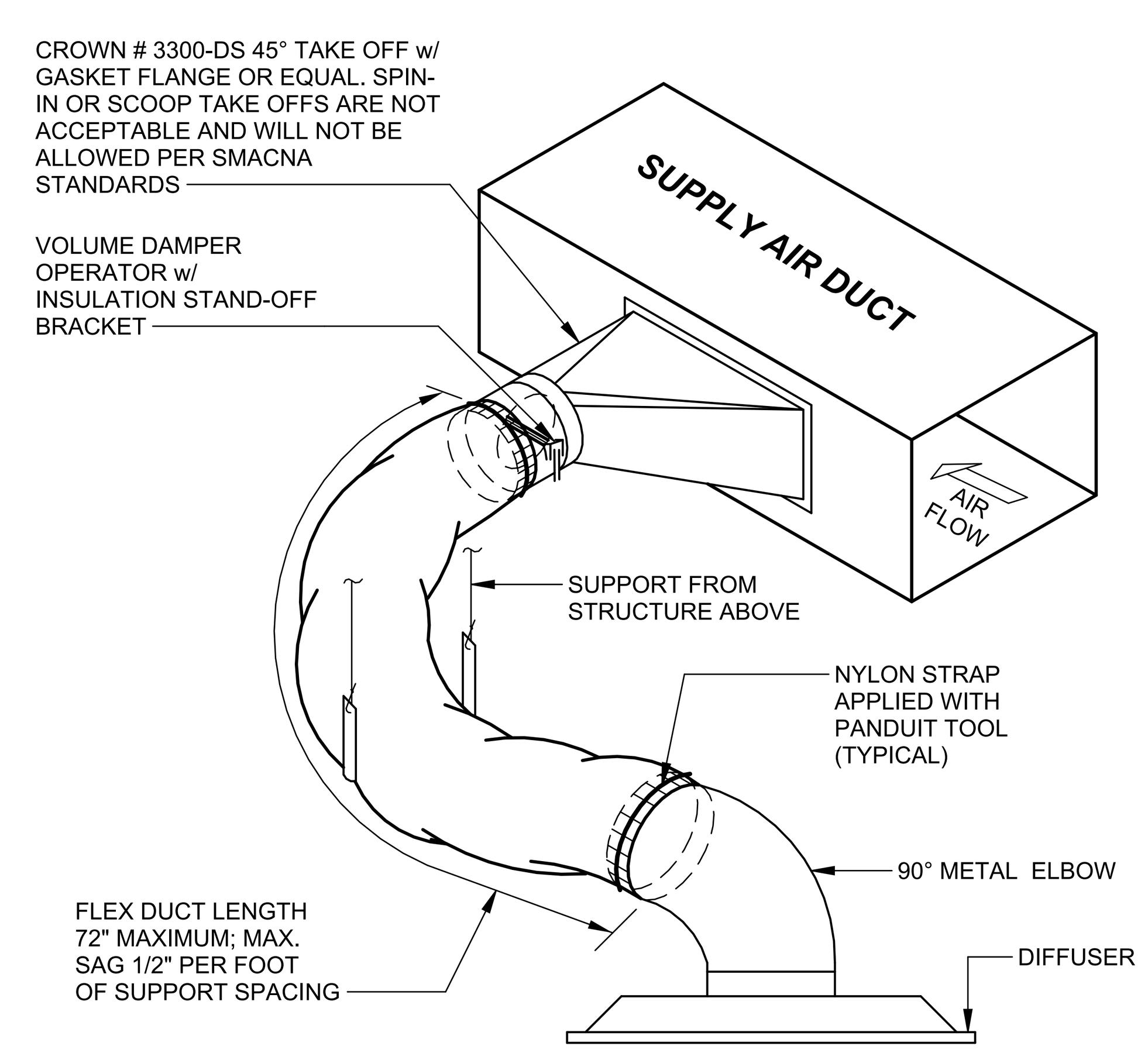
1. ALL SQUARE OR RECTANGLE ELBOWS SHALL HAVE ONE OF THE TWO TYPES OF TURNING VANES SHOWN ABOVE. SINGLE VANE ELBOWS WILL NOT BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
2. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.
3. ALL SQUARE OR RECTANGLE ELBOWS SHOWN ON PLANS FOR EXHAUST OR RETURN DUCT MAY BE MADE RADIUS ELBOWS PROVIDED SPACE PERMITS RADIUS INSTALLATION.
4. ALL SQUARE OR RECTANGULAR ELBOWS SHOWN ON PLANS FOR SUPPLY DUCT MAY BE MADE RADIUS ELBOWS PROVIDED SPACE PERMITS RADIUS INSTALLATION AND/OR THERE ISN'T AN OUTLET OR TAKE-OFF WITHIN 5D ON THE DOWNSTREAM SIDE OF THE ELBOW.

11 M-301 **DETAIL - TYPICAL ELBOW**
NO SCALE

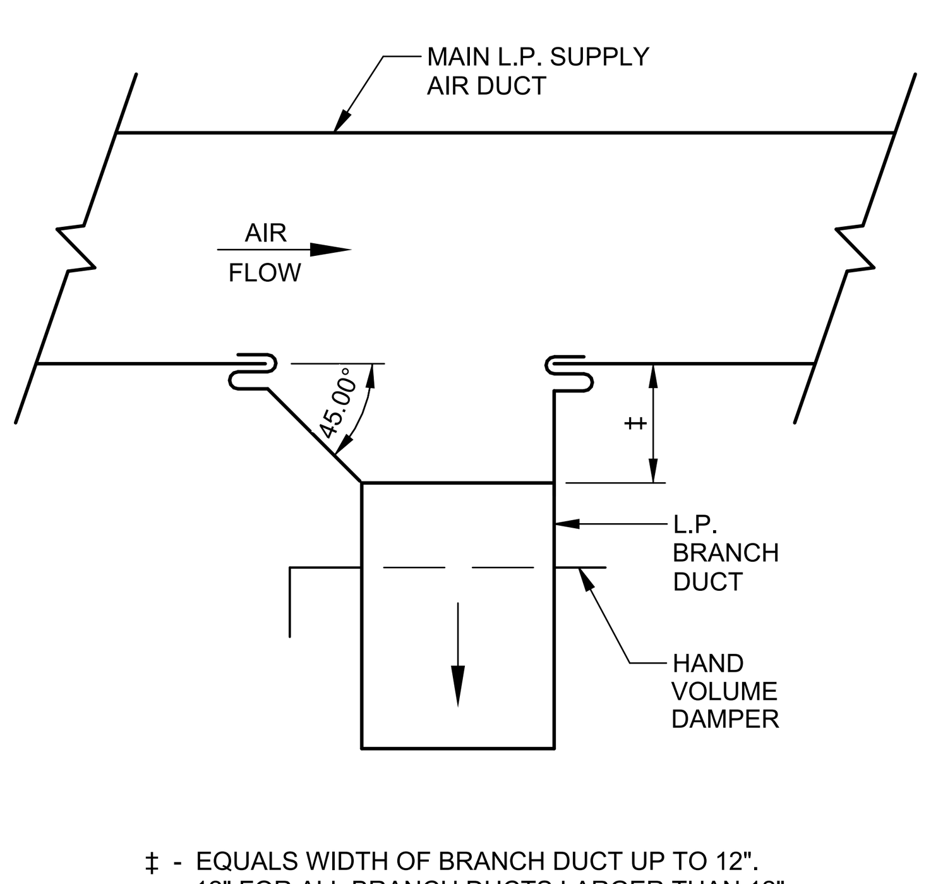


NOTE: PAINT TO MATCH EXISTING EXTERIOR WALL COLOR

8 M-301 **WALL CAP DETAIL**
NO SCALE



9 M-301 **DETAIL - FLEX DUCT TAKE-OFF**
NO SCALE



‡ - EQUALS WIDTH OF BRANCH DUCT UP TO 12". 12" FOR ALL BRANCH DUCTS LARGER THAN 12".

10 M-301 **DETAIL - TYPICAL LOW PRESSURE BRANCH DUCT TAKE OFF**
NO SCALE

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2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA PROFESSIONAL ENGINEER No. PE042747 MICHAEL NICHOLAS BOOKER 4-29-25

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	MNB	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	JMS
CHECKED BY:	MNB
DATE:	04/03/2024
SHEET TITLE:	HVAC DETAILS
SCALE	AS NOTED
DRAWING NO.	M-301
REV.	A

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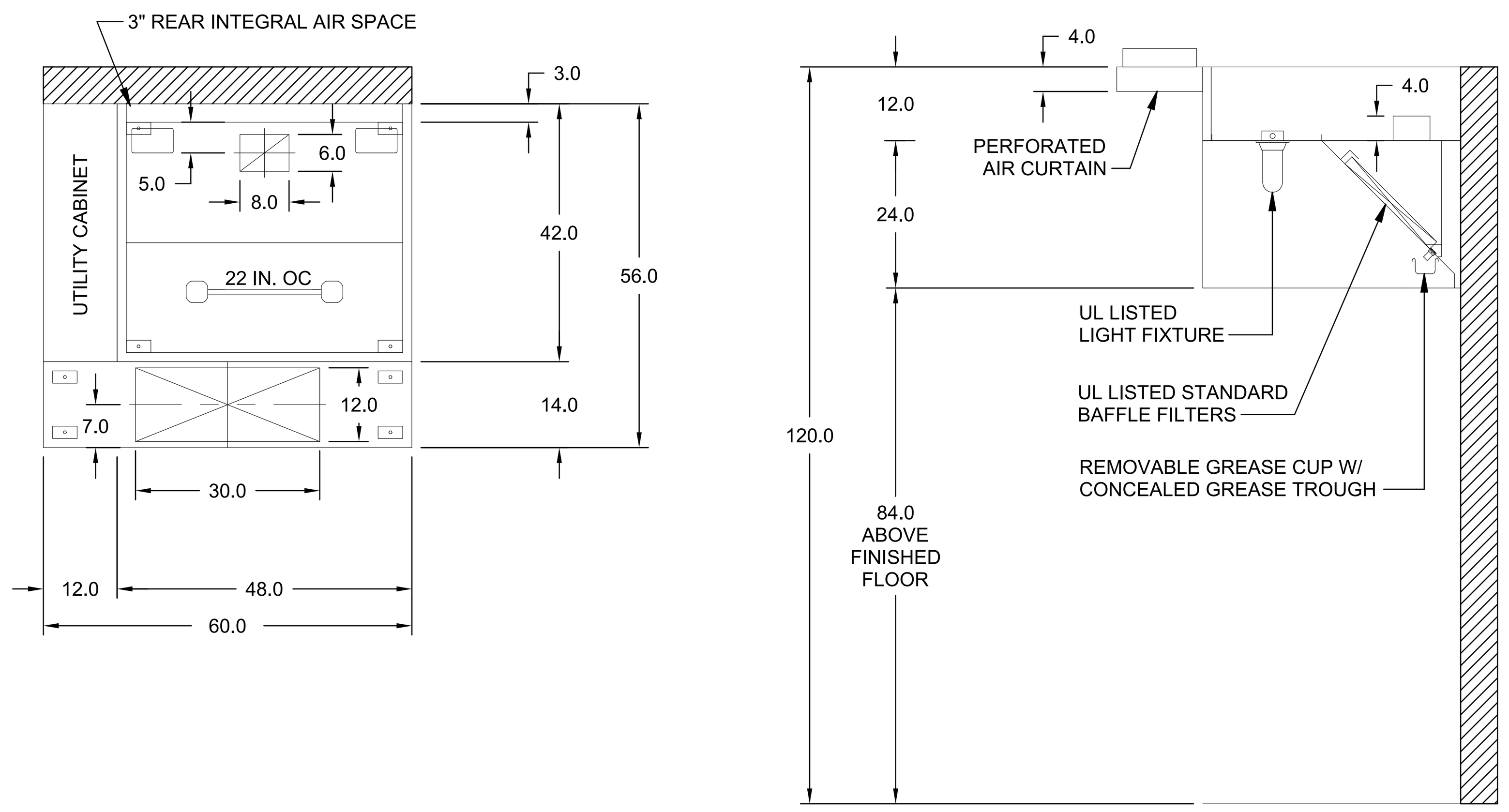
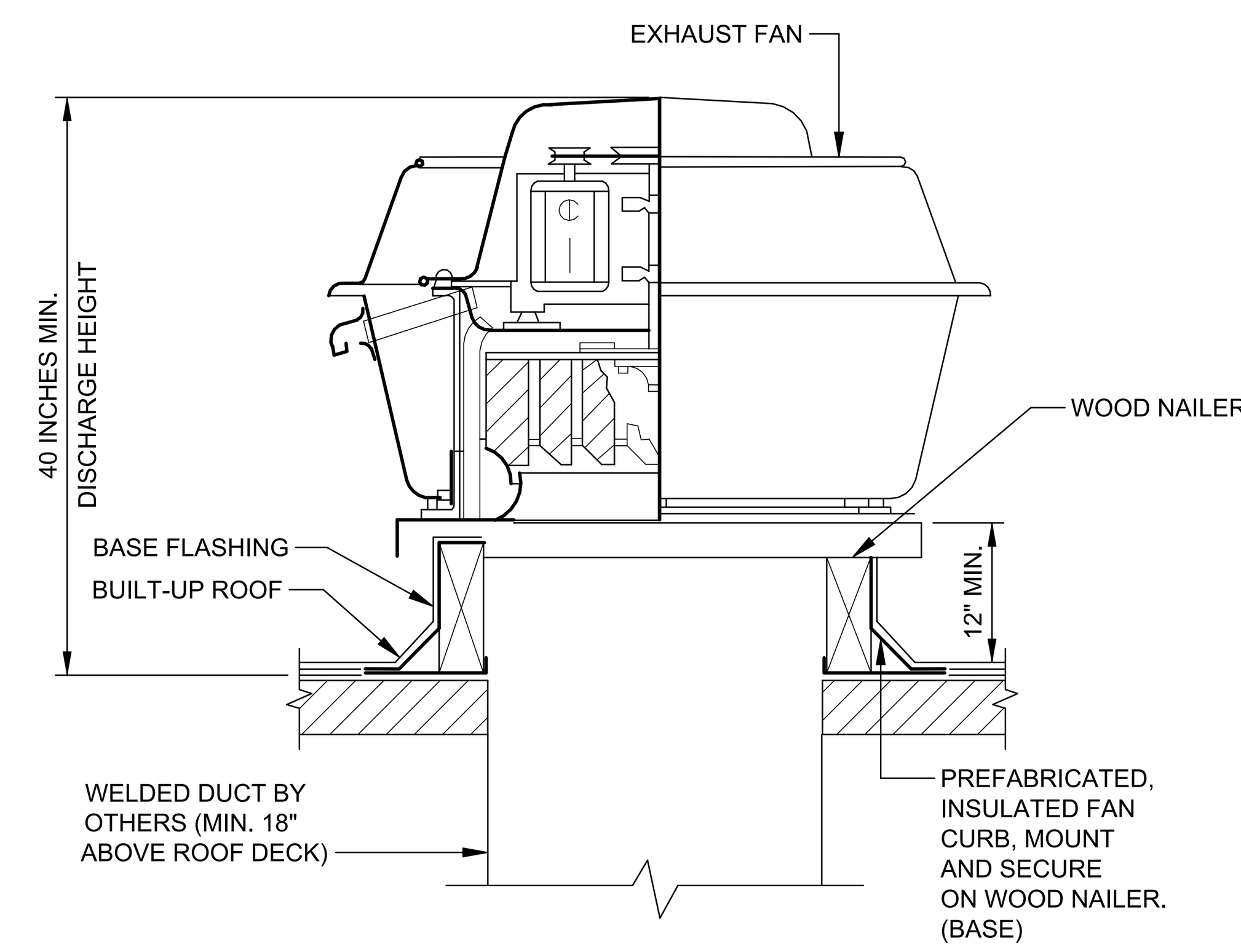
JLA-24X36.RFA REV. 05/16/2024 JAP



1 M-302

DETAIL - KITCHEN HOOD

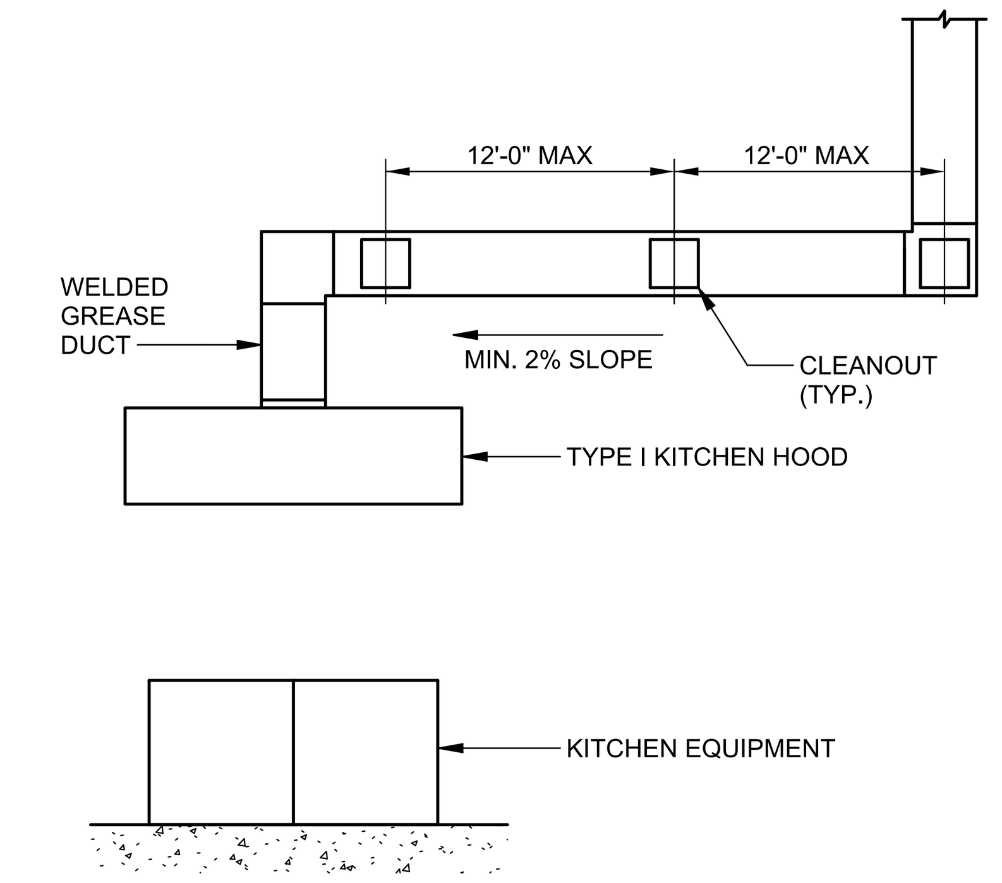
NO SCALE



3 M-302

ROOF MOUNTED KITCHEN EXHAUST FAN DETAIL

NO SCALE

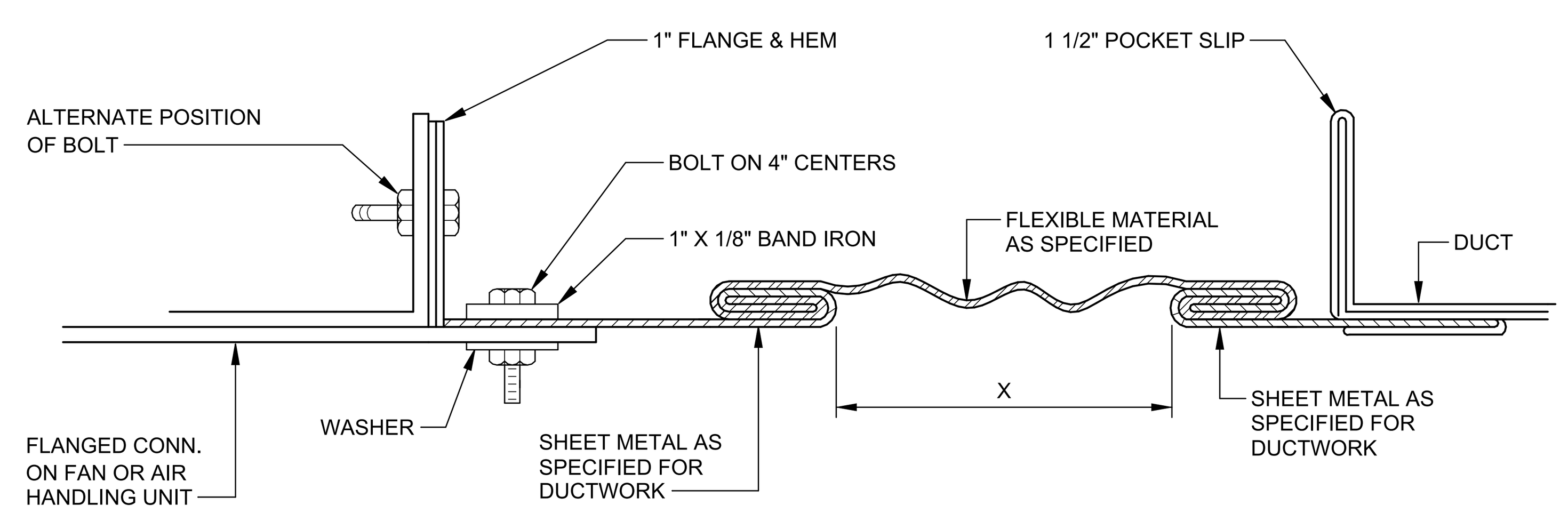


NOTE: INSTALL IN ACCORDANCE WITH NFPA 96.

4 M-302

GREASE DUCT CLEANOUT DETAIL

NO SCALE

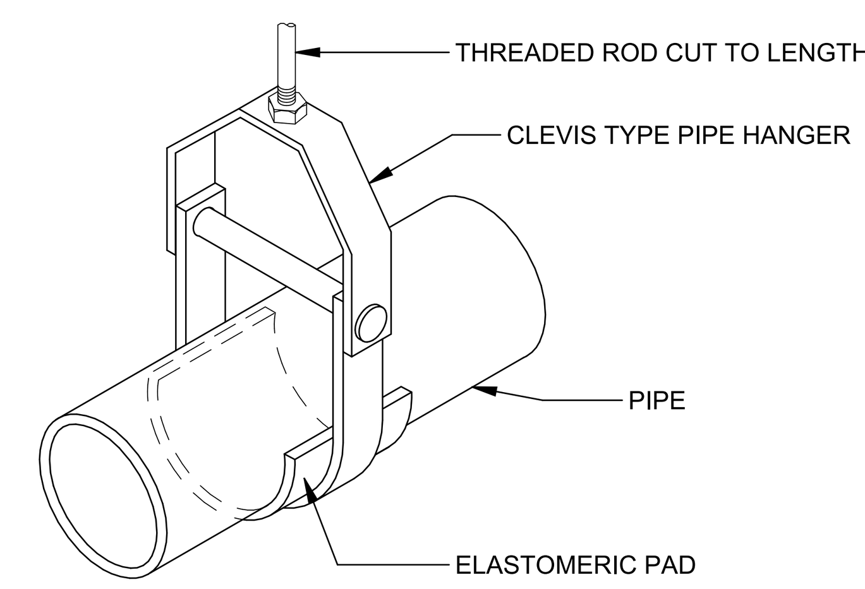


NOTE:
X - 1 1/2" MIN. TO 3" MAX. INSTALLED, 6" NORMAL WITH MATERIAL TAUT.

5 M-302

RECTANGULAR FLEXIBLE CONNECTION DETAIL

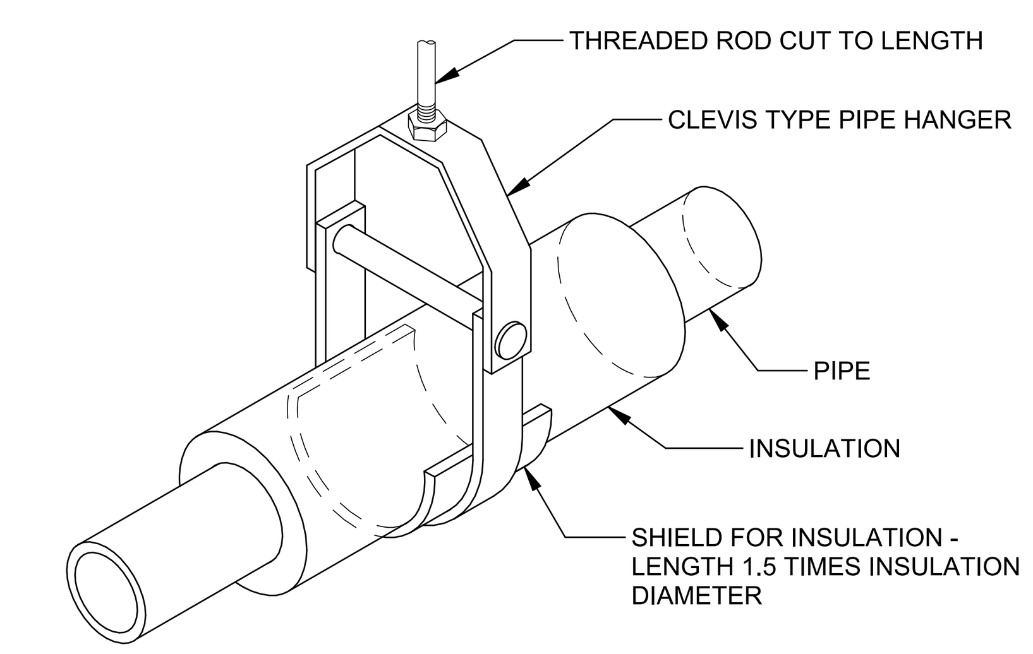
NO SCALE



7 M-302

DETAIL - CLEVIS TYPE PIPE SUPPORT FOR NONMETALLIC PIPE

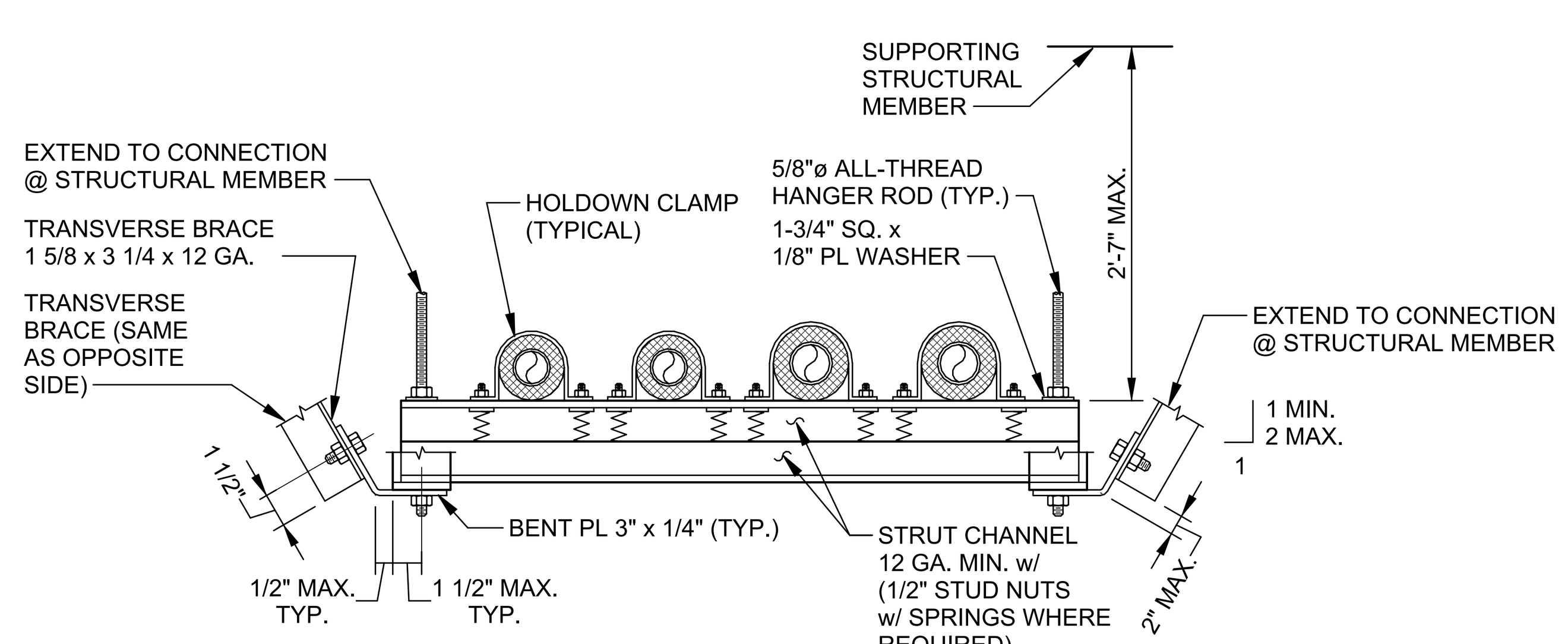
NO SCALE



8 M-302

DETAIL - CLEVIS TYPE PIPE SUPPORT FOR INSULATED PIPE

NO SCALE



9 M-302

DETAIL - PIPE HANGER TRAPEZE

NO SCALE

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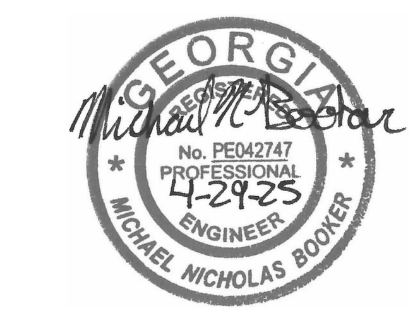
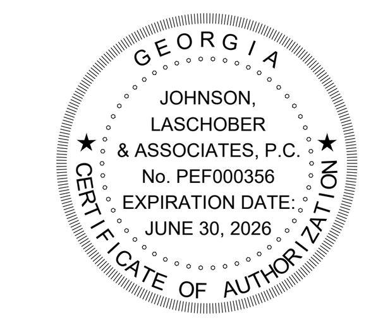
WWW.THEJLAGROUP.COM

CLIENT:
AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME:
FIRE STATION #3

PROJECT LOCATION:
2649 GORDON HWY., AUGUSTA, GA 30909





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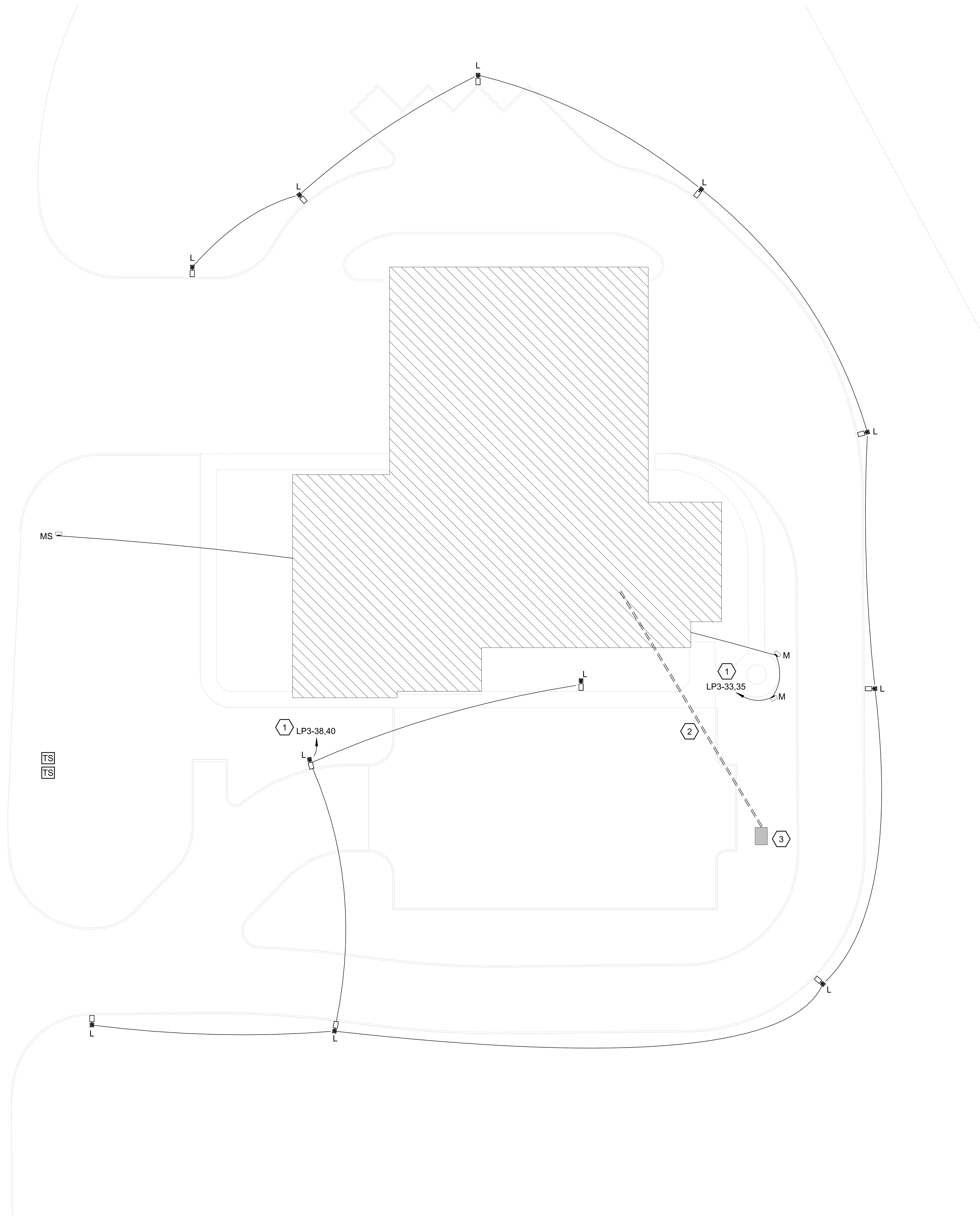
SITE PLAN NOTES

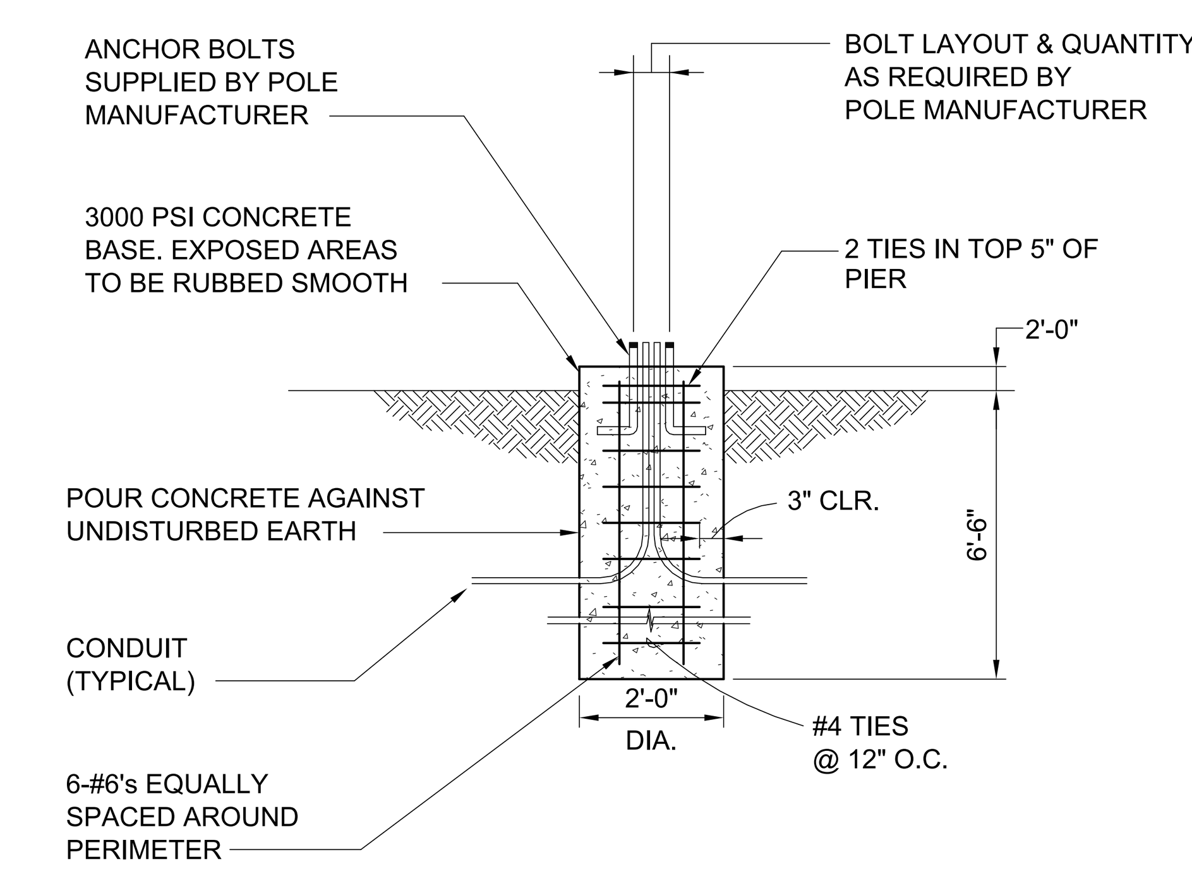
1. COORDINATE FIXTURE LOCATIONS WITH CIVIL DRAWINGS, LANDSCAPE DRAWINGS AND EXISTING UTILITIES.
2. PROVIDE BACK AND SIDE SHIELDS FOR ALL AREA LIGHTS

SITE LIGHTING KEYED NOTES

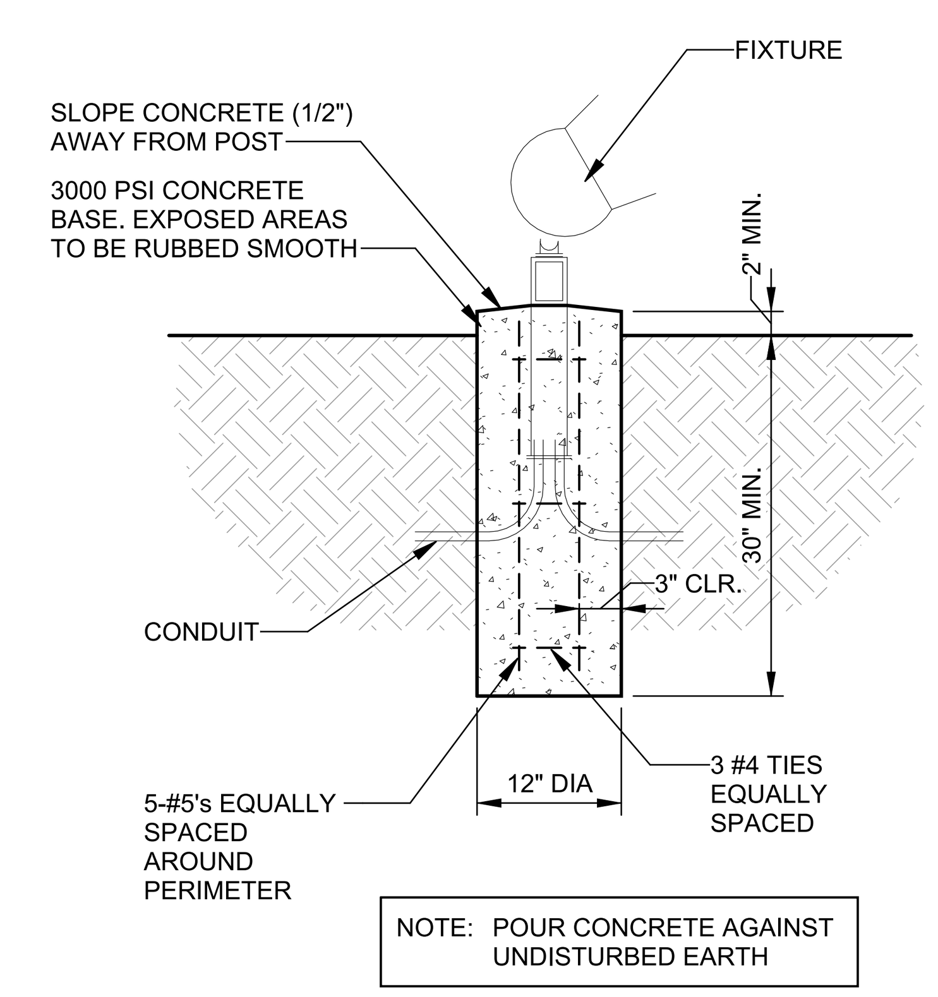
1. EXTERIOR LIGHT CONTROLLED BY PHOTOCELL / TIME CLOCK.
2. PROVIDE TWO SETS OF THREE (3) - 4" PVC CONDUITS WITH 1" INNER DUCT FROM IT TO VAULTS. CAP CONDUIT AND PROVIDE NYLON PULL STRING. ALL CONDUIT SHALL BE WATER TIGHT AND FREE OF WATER. ROUTE CONDUITS TO EACH PULL BOX. COORDINATE WITH CIVIL DRAWINGS.
3. NEW 4' X 4' VAULT. COORDINATE EXACT LOCATION WITH OWNER. COORDINATE WITH CIVIL DRAWINGS.



1 ES100 **SITE PLAN**
SCALE: 1" = 20'-0"



2 ES100 **POLE BASE DETAIL**
NO SCALE



3 ES100 **GROUND MOUNT DETAIL**
NO SCALE

0 5 10 20 40 60 FT.
SCALE: 1" = 20'-0"

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WWW.THEJLAGROUP.COM

CLIENT: AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051575 JOSEPH ANTHONY PEARSON 4/29/25

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	JAP	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	CPH
CHECKED BY:	JAP
DATE:	04/03/2024

SHEET TITLE:
ELECTRICAL SITE PLAN

SCALE: AS NOTED
DRAWING NO.: **ES100**
REV.: **A**

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JLA-24X36 RFA REV. 05/16/2024 JAP

ELECTRICAL GENERAL NOTES:

GENERAL
THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PRODUCT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

WORK COVERED BY THIS DOCUMENT SHALL INCLUDE ALL LABOR, MATERIAL, PRODUCTS, AND SERVICES FOR, AND INCIDENTAL TO, INSTALLATION OF COMPLETE AND OPERATING ELECTRICAL SYSTEMS DRAWN OR SPECIFIED.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, THE NATIONAL ELECTRICAL CODE (NFPA 70). ALL MATERIALS SHALL BE NEW AND UL LISTED/LABELED AS APPROPRIATE. FINAL LOCATIONS FOR ROUGH-INS SHALL BE VERIFIED WITH ACTUAL EQUIPMENT BEING CONNECTED. AFTER COMPLETING INSTALLATION, REMOVE BURRS, DIRT, AND CONSTRUCTION DEBRIS FROM ALL ELECTRICAL WORK.

COORDINATE OUTLET LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS.

COORDINATE HVAC AND PLUMBING EQUIPMENT LOCATIONS WITH MECHANICAL PLANS, ELEVATIONS AND DETAILS.

COORDINATE SITE LIGHTING AND SITE UTILITIES WITH LANDSCAPING/CIVIL PLANS AND DETAILS.

CONTRACTOR TO COORDINATE SERVICE AND METERING INSTALLATION REQUIREMENTS, AIC RATING, AND PANEL SCCR WITH UTILITY COMPANY PRIOR TO BID AND INSTALLATION.

COORDINATE SIGNAL SERVICE REQUIREMENTS WITH SERVING UTILITY.

CONSULT MANUFACTURERS' SHOP DRAWINGS FOR REQUIREMENTS AND EXACT LOCATION OF ELECTRICAL CONNECTIONS FOR EQUIPMENT FURNISHED BY OTHERS. COORDINATE AND VERIFY MANUFACTURES RECOMMENDED BRANCH CIRCUIT WIRING AND CONDUIT SIZE FOR EQUIPMENT PRIOR TO ROUGH IN. IF MANUFACTURES RECOMMENDED BRANCH WIRING AND CONDUIT SIZE IS DIFFERENT FROM SPECIFIED,COORDINATE WITH ENGINEER OF RECORD.

SIZE DISCONNECT SWITCHES AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS' RECOMMENDATIONS AND THE N.E.C.

SIZE FUSES IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS' RECOMMENDATIONS AND THE NEC.

INSTALL JUNCTION BOXES, CONDUIT BODIES, AND HANDHOLE ENCLOSURES SUCH THAT WIRING WITHIN IS ACCESSIBLE IN ACCORDANCE WITH NEC 314.29.

MOUNTING HEIGHT DIMENSIONS FOR WIRING DEVICES ARE FROM THE FINISHED FLOOR UP TO THE CENTER OF THE OUTLET BOX.

CENTER OUTLETS HORIZONTALLY IN ARCHITECTURAL FEATURES.

DO NOT SCALE DRAWINGS. DEVICE LOCATIONS ARE APPROXIMATE UNLESS DIMENSIONED. ACTUAL DEVICE LOCATIONS SHALL BE FIELD COORDINATED WITH ALL OTHER TRADES AND APPLICABLE CODES.

INSTALL PHOTO CELL(S) ABOVE ROOF. ORIENT TO NORTHERN EXPOSURE AND SHIELD FROM EXTRANEOUS LIGHT. PROVIDE FLASHING AND SEAL ROOF PENETRATION(S).

INSTALL ADDITIONAL BRANCH-CIRCUIT CONDUCTORS TO PROVIDE UN-SWITCHED CONNECTION TO EACH EMERGENCY FIXTURE BATTERY.

DO NOT USE COMMON NEUTRALS FOR MULTI-WIRE CIRCUITS. INSTALL A NEUTRAL FOR EACH PHASE.

ALL CONDUCTORS SHALL BE NO SMALLER THAN #12.

ALL RACEWAYS SHALL BE 3/4" DIA. MIN. UNLESS OTHERWISE NOTED.

GENERAL CONTRACTOR TO PROVIDE ACCESS PANELS FOR ALL INACCESSIBLE, ABOVE-CEILING ELECTRICAL EQUIPMENT AND JUNCTION BOXES PER NEC SECTION 314.29. COORDINATE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

CONDUCTORS
INSULATION SHALL COMPLY WITH NEMA WC 5. CONDUCTORS #8 AWG AND LARGER SHALL BE CONCENTRIC STRANDED. CONDUCTORS #10 AND SMALLER SHALL BE SOLID.

TYPE AND INSULATION
SERVICE: COPPER, TYPE THWN
FEEDER: COPPER, TYPE THHN/THWN
BRANCH: COPPER, TYPE THHN/THWN
COPPER, TYPE MC FOR CONNECTIONS TO LIGHT FIXTURES ONLY IN LENGTHS NOT TO EXCEED 6FT.
(UNLESS APPROVED BY ENGINEER OF RECORD)

COLOR CODING (208/120 V, 3∅): A-BLACK, B-RED, C-BLUE, N-WHITE, G-GREEN

RACEWAYS
CONDUIT BODIES AND FITTINGS FOR RIGID METAL CONDUIT SHALL BE CAST THREADED TYPE. CONDUIT FITTINGS FOR ELECTRICAL METALLIC TUBING SHALL BE COMPRESSION TYPE. INSTALL 200 lb NYLON PULL CORD IN ALL EMPTY RACEWAYS FOR FUTURE USE. APPLY FIRESTOPPING TO ELECTRICAL PENETRATIONS OF FIRE-RATED FLOOR AND WALL ASSEMBLIES TO RESTORE ORIGINAL FIRE-RESISTANCE RATING OF ASSEMBLY.

OUTDOORS EXPOSED: RIGID GALVANIZED STEEL CONFORMING TO ANSI C80.5
OUTDOORS UNDERGROUND: RIGID NONMETALLIC CONDUIT (SCHEDULE 40 PVC) CONFORMING TO NEMA TC 2
OUTDOORS CONNECTED TO VIBRATING OR MOTORIZED EQUIPMENT: LIQUIDTIGHT FLEXIBLE METAL CONDUIT CONFORMING TO UL 360
INDOORS CONCEALED: ELECTRICAL METALLIC TUBING CONFORMING TO ANSI C80.3
INDOORS EXPOSED: RIGID GALVANIZED STEEL CONFORMING TO ANSI C80.5
INDOORS CONNECTED TO VIBRATING OR MOTORIZED EQUIPMENT: FLEXIBLE METALLIC CONDUIT CONFORMING TO UL 1

OUTLET BOXES
BOXES SHALL COMPLY WITH NEMA OS 1 AND SHALL BE SHEET METAL TYPE WITH PLASTER RING IN DRY LOCATIONS. BOXES SHALL COMPLY WITH NEMA FB 1 AND SHALL BE CAST METAL TYPE FD WITH GASKETED COVER IN DAMP OR WET LOCATIONS.

PULL AND JUNCTION BOXES
BOXES SHALL BE HOT-DIPPED GALVANIZED STEEL. BOX COVERS SHALL BE GASKETED TYPE WITH SCREWED OR BOLTED FASTENERS.

WIRING DEVICES
DEVICES SHALL COMPLY WITH NEMA WD 1 AND WD 6. DEVICES SHALL BE COMMERCIAL SPECIFICATION GRADE OR BETTER. ALL DEVICES SHALL BE OF THE GROUNDING TYPE. DEVICES SHALL BE MOUNTED FLUSH WITH THE LONG DIMENSION VERTICAL AND GROUNDING TERMINAL OF RECEPTACLES ON TOP. SWITCHES SHALL BE QUIET TYPE, RATED 20 AMPERES AT 120/277 VOLTS. GROUND FAULT CIRCUIT INTERRUPTERS SHALL BE FEED-THROUGH TYPE. WEATHERPROOF COVERS SHALL BE PROVIDED IN DAMP OR WET LOCATIONS. PROGRAM OCCUPANCY SENSORS FOR FIFTEEN MINUTES WITH MEDIUM SENSITIVITY. TRAIN OWNER TO ADJUST TIME AND SENSITIVITY.

DEVICE COLOR: SELECTED BY ARCHITECT.
DEVICE COVER: SMOOTH PLASTIC WITH COLOR TO MATCH DEVICE COLOR

ELECTRICAL IDENTIFICATION
IN ADDITION TO CODE-REQUIRED LABELING, ALL PANELBOARDS, ELECTRICAL ENCLOSURES, TRANSFORMERS, AND DISCONNECT SWITCHES SHALL BE IDENTIFIED WITH AN ENGRAVED PLASTIC LAMINATED NAMEPLATE. LETTERING SHALL BE 1/2" INCHES HIGH AND SHALL BE WHITE ON A BLACK BACKGROUND. NAMEPLATES SHALL BE ATTACHED TO EQUIPMENT WITH STAINLESS STEEL SELF-TAPPING SCREWS. CONTRACTOR TO COORDINATE WITH THE UTILITY COMPANY TO DETERMINE THE AVAILABLE FAULT CURRENT AT THE PANEL LOCATION SHOWN ON THE DRAWINGS. CONTRACTOR TO PROVIDE ELECTRICAL EQUIPMENT WITH AIC RATING OVER THE CALCULATED FAULT CURRENT. CALCULATED FAULT CURRENT SHALL BE LISTED ON EACH PIECE OF ELECTRICAL EQUIPMENT. CONTRACTOR TO PROVIDE AND AFFIX ARC FLASH WARNING LABELS ON ALL ELECTRICAL SWITCHBOARDS, PANELBOARDS, MOTOR CONTROL CENTERS, LOAD CENTERS, DISCONNECTS AND ENCLOSED CIRCUIT BREAKERS PER NEC ARTICLE 110.16.

GROUNDING
GROUNDING AND BONDING COMPONENTS SHALL COMPLY WITH UL 467. AN INSULATED EQUIPMENT-GROUNDING CONDUCTOR SHALL BE INSTALLED WITH CIRCUIT CONDUCTORS FOR ALL FEEDER AND BRANCH CIRCUITS. EXOTHERMIC-WELDED CONNECTIONS SHALL BE USED FOR ATTACHMENT TO STRUCTURAL STEEL AND UNDERGROUND CONNECTIONS. GROUNDING ELECTRODES SHALL BE 3/4" x 10' COPPERWELD TYPE.

SERVICE GROUNDING
INSTALL TWO (2) GROUND RODS FOR SERVICE ENTRANCE UNLESS INSTALLED PRIMARY GROUND ROD IS TESTED AND FOUND TO HAVE A RESISTANCE TO GROUND OF 25 OHMS OR LESS IN ACCORDANCE WITH NFPA 70 250.53(2).

EQUIPMENT GROUNDING
FOR INDICATED EQUIPMENT (OTHER THAN SERVICE ENTRANCE EQUIPMENT) INSTALL ONE (1) GROUND ROD TO ACT AS AN AUXILIARY GROUNDING ELECTRODE AND BOND TO THE EQUIPMENT GROUNDING CONDUCTOR (EGC) FOR THAT EQUIPMENT, IN ACCORDANCE WITH NFPA 70 250.54 AND 250.118.

TRANSFORMERS
TRANSFORMERS SHALL COMPLY WITH NEMA ST 20 AND UL 1561. ENCLOSURES SHALL BE INDOOR VENTILATED TYPE. TRANSFORMERS SHALL HAVE AN INSULATION CLASS OF 220 DEGREES C. THE RATED TEMPERATURE RISE SHALL BE 150 DEGREES C. MAXIMUM RISE OVER A 40 DEGREE C. AMBIENT.

PANELBOARDS
PANELBOARDS SHALL COMPLY WITH NEMA PB 1. SHOP DRAWINGS FOR EACH PANELBOARD SHALL BE SUBMITTED AND SHALL INCLUDE BUS CONFIGURATION AND CURRENT RATINGS, OVERCURRENT DEVICE ARRANGEMENT AND SETTINGS, AND PANELBOARD SHORT CIRCUIT RATING. PHASE AND NEUTRAL BUSSES SHALL BE COPPER. AN EQUIPMENT GROUND BUS SHALL BE PROVIDED AND SHALL BE BONDED TO THE PANEL BOX. PANELBOARDS WITH A MAIN SERVICE DISCONNECT SHALL BE LISTED FOR USE AS SERVICE EQUIPMENT. PANELBOARD TRIM SHALL BE BOLT-ON TYPE. CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE. CIRCUIT BREAKERS SHALL BE LISTED FOR SWD, HID OR HACR USE AS APPROPRIATE. MULTI-POLE CIRCUIT BREAKERS SHALL HAVE A COMMON TRIP. TANDEM CIRCUIT BREAKERS SHALL NOT BE USED. FILLER PLATES SHALL BE INSTALLED IN UNUSED SPACES. A TYPED CIRCUIT DIRECTORY SHALL BE INSTALLED ON THE INSIDE OF THE PANELBOARD DOOR. ALL OVERCURRENT DEVICES AND PANELS SHALL BE RATED FOR THE FULL AVAILABLE FAULT CURRENT AS INDICATED ON PANEL SCHEDULE AND SHALL NOT BE SERIES RATED. IN FRONT OF ALL ELECTRICAL PANELS IN ELECTRICAL ROOMS PROVIDE A 2" WIDE YELLOW LINE PAINTED ON THE FLOOR INDICATING THE ELECTRICAL WORKING SPACE.

FUSES
FUSES SHALL BE NEMA FU 1 CARTRIDGE TYPE. VOLTAGE RATING SHALL BE CONSISTENT WITH CIRCUIT VOLTAGE. ARRANGE FUSES IN FUSIBLE DEVICES SO FUSE RATINGS ARE READABLE WITHOUT REMOVING FUSE. INSTALL TYPEWRITTEN LABELS ON INSIDE DOOR OF EACH FUSIBLE DEVICE TO INDICATE FUSE REPLACEMENT INFORMATION.

MOTOR FEEDER AND BRANCH CIRCUITS: UL CLASS RK5, TIME DELAY
OTHER FEEDER AND BRANCH CIRCUITS: UL CLASS RK1, NON-TIME DELAY

DISCONNECT SWITCHES
SWITCHES SHALL BE FUSED OR NONFUSED NEMA KS 1 TYPE HD. SWITCHES SHALL BE HANDLE LOCKABLE AND INTERLOCKED WITH COVER IN CLOSED POSITION. ENCLOSURES SHALL BE NEMA TYPE 1 IN INDOOR LOCATIONS AND NEMA TYPE 3R IN OUTDOOR LOCATIONS. HVAC EQUIPMENT DISCONNECTS ARE TO BE CONSIDERED ELECTRICAL EQUIPMENT AND SHALL BE INSTALLED TO MAINTAIN WORKING SPACE PER NEC ARTICLE 110.26.

INTERIOR LIGHTING
FIXTURE MOUNTING HARDWARE AND TRIM SHALL BE COORDINATED WITH THE CEILING SYSTEM.

RECESSED CEILING AREAS: RECESSED FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURAL SYSTEM.

EXPOSED CEILING AREAS: CONDUIT FOR LIGHTING FIXTURES INSTALLED IN AREAS WITH EXPOSED STRUCTURE SHALL BE ROUTED TIGHT TO STRUCTURAL BEAMS AND COLUMNS. WHERE APPROVED, CONDUIT AND JUNCTION BOXES MOUNTED TO ROOF DECK SHALL HAVE 1.5" SEPARATIONS FROM LOWEST PORTION OF DECK. COORDINATE ALL CONDUIT ROUTING WITH ARCHITECT BEFORE INSTALLATION.COLUMNS. WHERE APPROVED, CONDUIT AND JUNCTION BOXES MOUNTED TO ROOF DECK SHALL HAVE 1.5" SEPARATIONS FROM LOWEST PORTION OF DECK. COORDINATE ALL CONDUIT ROUTING WITH ARCHITECT BEFORE INSTALLATION.

FIRE ALARM SYSTEM
SYSTEM COMPONENTS AND INSTALLATION SHALL CONFORM TO THE NATIONAL FIRE ALARM CODE. ALL EXPOSED WIRING SHALL BE INSTALLED IN METALLIC RACEWAY. ALL CONCEALED WIRING SHALL BE INSTALLED IN METALLIC RACEWAY STUBBED ABOVE ACCESSIBLE CEILING.

VOICE AND DATA SYSTEMS
SYSTEM COMPONENTS AND INSTALLATION SHALL CONFORM TO CITY OF AUGUSTA'S 2020 NEW BUILDING AND CABLING GUIDELINES, EIA/TIA 568-B AND 569-A. MAIN DISTRIBUTION FRAME, INTERMEDIATE DISTRIBUTION FRAME, AND CROSS-CONNECT RACKS SHALL BE WALL MOUNTED TYPE WITH "66" OR "110" STYLE TERMINALS. WORKSTATION JACKS SHALL BE TYPE RJ-45.

TELEPHONE BOARD
TELEPHONE BOARD 48" X 96" X 3/4" SHEET OF FIRE TREATED PLYWOOD. PROVIDE BACKBOARD ON WALLS AS INDICATED ON PLANS. PROVIDE GROUNDING BAR BURNDY BBB14210A OR EQUIVALENT. BOND TO SERVICE ENTRANCE PANEL USING
CU #6 AWG INSULATED WIRE.

TRANSFER SWITCH
SWITCH SHALL COMPLY WITH U.L. 1008-89. SWITCH SHALL BE SIZED TO MATCH THE GENERATOR. SWITCH SHALL HAVE A SOLID NEUTRAL, EXERCISER TIME CLOCK AND BATTERY CHARGER.

ENGINE GENERATOR
THE EMERGENCY POWER SUPPLY SYSTEM SHALL BE LEVEL 2 IN ACCORDANCE WITH NFPA 110. ENGINE GENERATOR SHALL BE COMPLETE WITH WEATHERPROOF HOUSING, FUEL TANK, STARTING BATTERIES AND OUTPUT CIRCUIT BREAKER.

KITCHEN EQUIPMENT
ALL KITCHEN EQUIPMENT SERVED BY CORD AND PLUG SHALL HAVE GROUND FAULT PROTECTION, IN ACCORDANCE NEC SECTION 210.8(B)(2). ALL ELECTRIC KITCHEN EQUIPMENT THAT PRODUCES HEAT SHALL BE PROVIDED WITH MEANS TO AUTOMATICALLY SHUTOFF POWER IN ACCORDANCE NFPA 96.10.4. ACCEPTABLE DISCONNECTING MEANS INCLUDE SHUT TRIP BREAKER, RELAY, OR SHUNTED DISCONNECT SWITCH.

LIGHTNING PROTECTION SYSTEM
PROVIDE AND INSTALL COMPLETE LIGHTNING PROTECTION SYSTEM. SYSTEM COMPONENTS AND INSTALLATION SHALL CONFORM TO NFPA 780. DOWN CONDUCTORS SHALL BE ROUTED IN WALLS THROUGH PVC CONDUIT.

APPLICABLE CODES AND STANDARDS

CODES AND STANDARDS	EDITION
INTERNATIONAL BUILDING CODE (IBC)	2018
NFPA 70 NATIONAL ELECTRICAL CODE (NEC)	2023
INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	2015
NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE	2019
NFPA 780 INSTALLATION OF LIGHTNING PROTECTION SYSTEMS	2020

ELECTRICAL SYMBOLS:

	CEILING / WALL MOUNTED EXIT SIGN - SHADING INDICATES FACE(S)
	2' x 4' FIXTURE
	2'X4' FIXTURE W/ EMERGENCY BATTERY PACK
	DOWN LIGHT FIXTURE
	DOWN LIGHT FIXTURE W/ EMERGENCY BATTERY PACK
	PENDANT MOUNTED LIGHT FIXTURE
	PENDANT MOUNTED LIGHT FIXTURE W/ EMERGENCY BATTERY PACK
	WALL SCONCE
S	SINGLE POLE TOGGLE SWITCH 48" A.F.F.
S3	THREE WAY TOGGLE SWITCH 48" A.F.F.
S4	FOUR WAY TOGGLE SWITCH 48" A.F.F.
SD	WALL MOUNTED DIMMER SWITCH 48" A.F.F.
OS	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. TO BE WATTSTOPPER DT-300 OR EQUAL.
OS	WALL MOUNTED ULTRASONIC OCCUPANCY SENSOR 48" A.F.F.. TO BE WATTSTOPPER UW-100 OR EQUAL.
	DUPLEX CONVENIENCE OUTLET 48"
C	DUPLEX CONVENIENCE OUTLET 48" A.F.F. OR 6" ABOVE COUNTER/BACKSPLASH
CG	DUPLEX CONVENIENCE OUTLET 48" A.F.F. OR 6" ABOVE COUNTER/BACKSPLASH GROUND FAULT INTERRUPTER TYPE
WP	DUPLEX CONVENIENCE OUTLET 18" A.F.F. WEATHERPROOF GROUND FAULT INTERRUPTER TYPE
G	DUPLEX CONVENIENCE OUTLET 18" A.F.F.. GROUND FAULT INTERRUPTER TYPE
EWC	DUPLEX RECEPTACLE CONCEALED BEHIND OR WITHIN ENCLOSURE OF ELECTRIC WATER COOLER. PROVIDE GFCI TYPE BREAKER.
	QUADRUPLEX CONVIENCE OUTLET 18" A.F.F.
#	SPECIAL OUTLET - SEE SCHEDULE
#	MOTOR - SEE SCHEDULE
	ELECTRICAL PANEL
	FUSIBLE DISCONNECT SWITCH
TB	TELEPHONE BOARD
	WALL MOUNTED DATA OUTLET 18" A.F.F. UNLESS NOTED WITH 3/4" E.C. STUBBED ABOVE LIFT-OUT CEILING
FACP	FIRE ALARM CONTROL PANEL
FAA	REMOTE ANNUNCIATOR PANEL
F	FIRE ALARM MANUAL PULL STATION. MOUNT 48" TO TOP OF BOX
	FIRE ALARM WALL MOUNTED AUDIO/VISUAL DEVICE 80" A.F.F.
	FIRE ALARM WALL MOUNTED VISUAL DEVICE 80" A.F.F.
S	FIRE ALARM CEILING MOUNTED SMOKE DETECTOR
H	FIRE ALARM CEILING MOUNTED HEAT DETECTOR
FS	FIRE ALARM FLOW SWITCH
TS	FIRE ALARM TAMPER SWITCH

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535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051575 JOSEPH ANTHONY PEARSON 04/29/25

GEORGIA CERTIFICATE OF AUTHORIZATION JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026

REV	DATE	BY	DESCRIPTION
A	04/29/25	JAP	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	CPH
CHECKED BY:	JAP
DATE:	04/03/2024

SHEET TITLE:
ELECTRICAL NOTES AND SYMBOLS

SCALE: AS NOTED
DRAWING NO.: E-001
REV.: A

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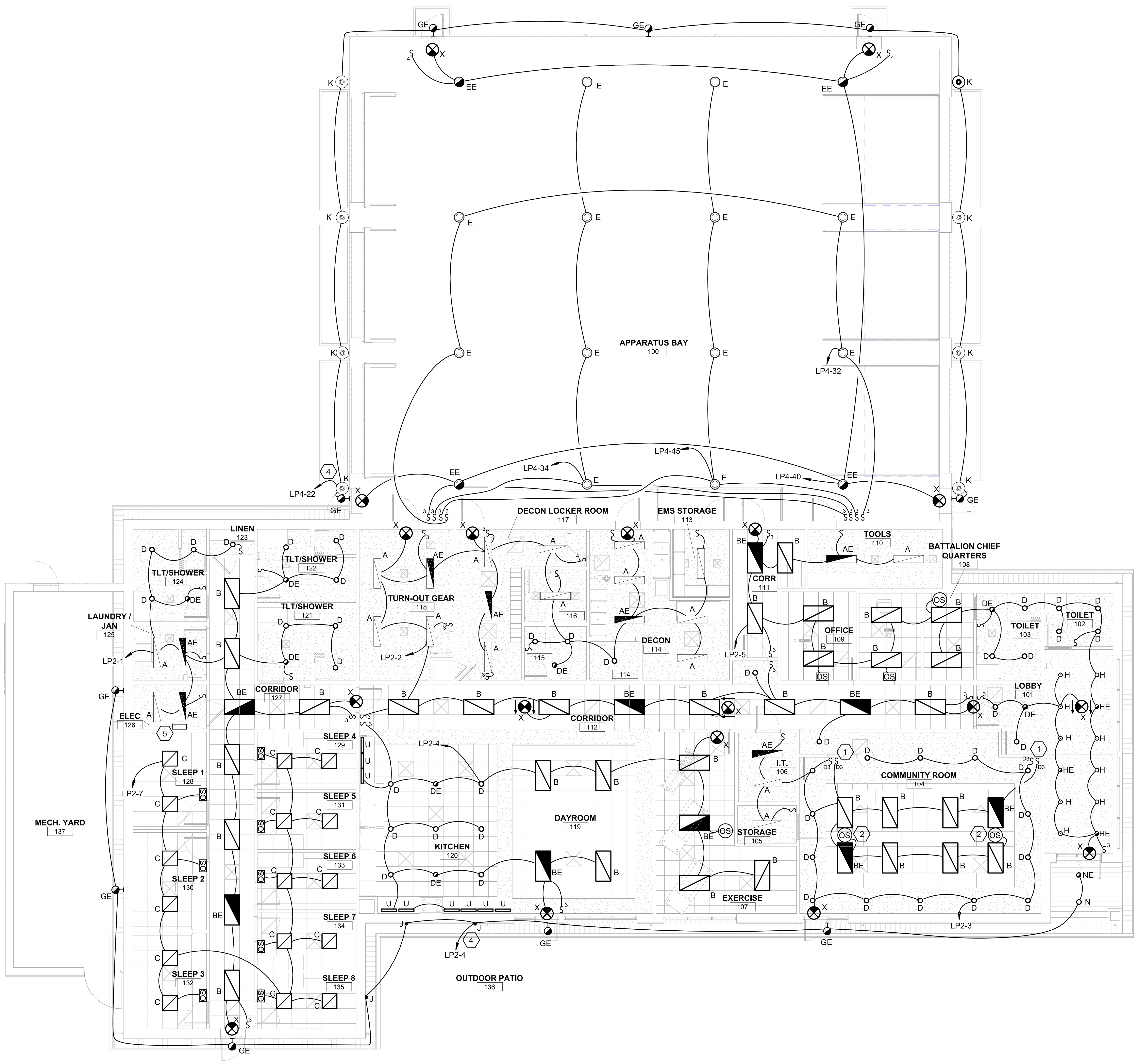
JLA-24X36.RFA REV. 05/16/2024 JAP

LIGHTING PLAN CONSTRUCTION NOTES

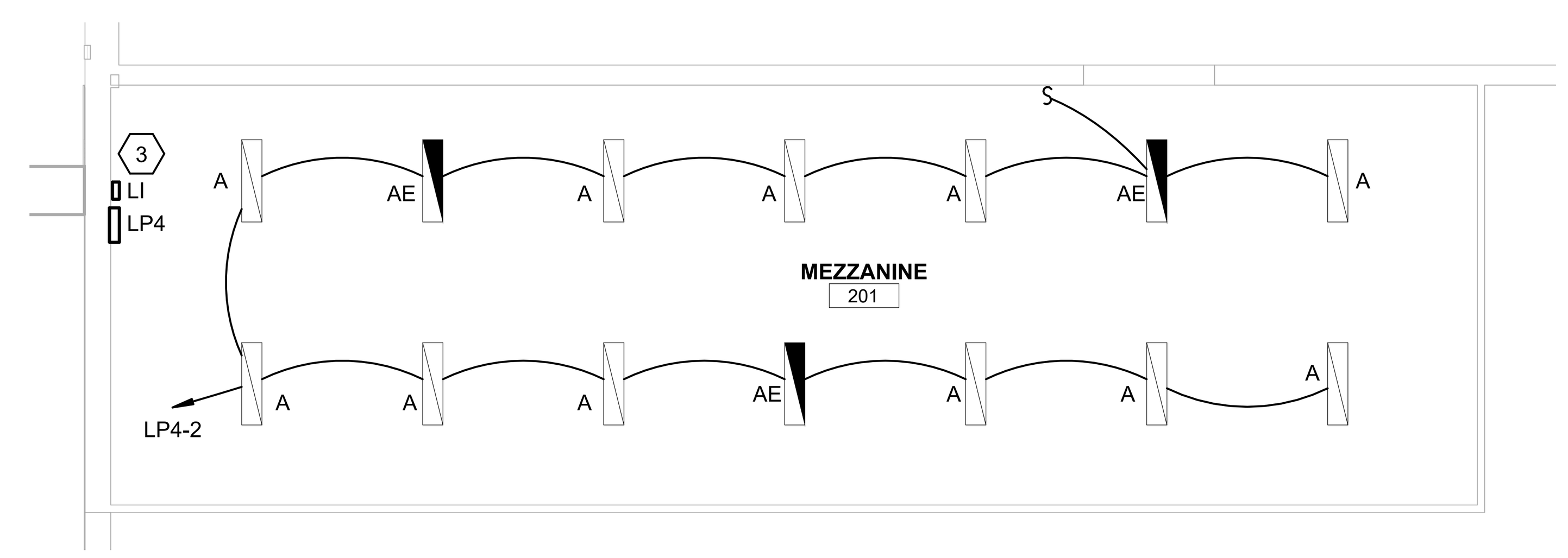
1. COORDINATE ALL LIGHTING FIXTURE FINISH COLORS WITH OWNER.
2. OCCUPANCY SENSOR SWITCHES IN SLEEPING ROOMS SHALL BE PLACED IN VACANCY MODE.

LIGHTING PLAN KEYED NOTES

1. THREE WAY WALL MOUNTED DIMMER SWITCH 48" AFF TOP OF BOX. PROVIDE (1) NXSW-ORLO-WH AT EACH SWITCH LOCATION AND (1) - NXRC2-1RD (0-10V ROOM CONTROLLER/POWER PACK) PER ROOM.
2. PARALLEL OCCUPANCY SENSORS IN THIS ROOM.
3. PROVIDE IIS 750 EMERGENCY INVERTER. CONNECT TO EMERGENCY FIXTURES IN BAY.
4. EXTERIOR LIGHT CONTROLLED BY PHOTOCELL / TIME CLOCK.
5. LIGHTING CONTROL PANEL



1 E-101 **LIGHTING PLAN**
SCALE: 1/8" = 1'-0"



2 E-101 **MEZZANINE LIGHTING PLAN**
SCALE: 1/8" = 1'-0"

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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CLIENT:
AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME:
FIRE STATION #3

PROJECT LOCATION:
2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051578 JOSEPH ANTHONY PEARSON 04/29/25

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

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SHEET TITLE:
LIGHTING PLAN

SCALE: AS NOTED
DRAWING NO.: E-101
REV.: A

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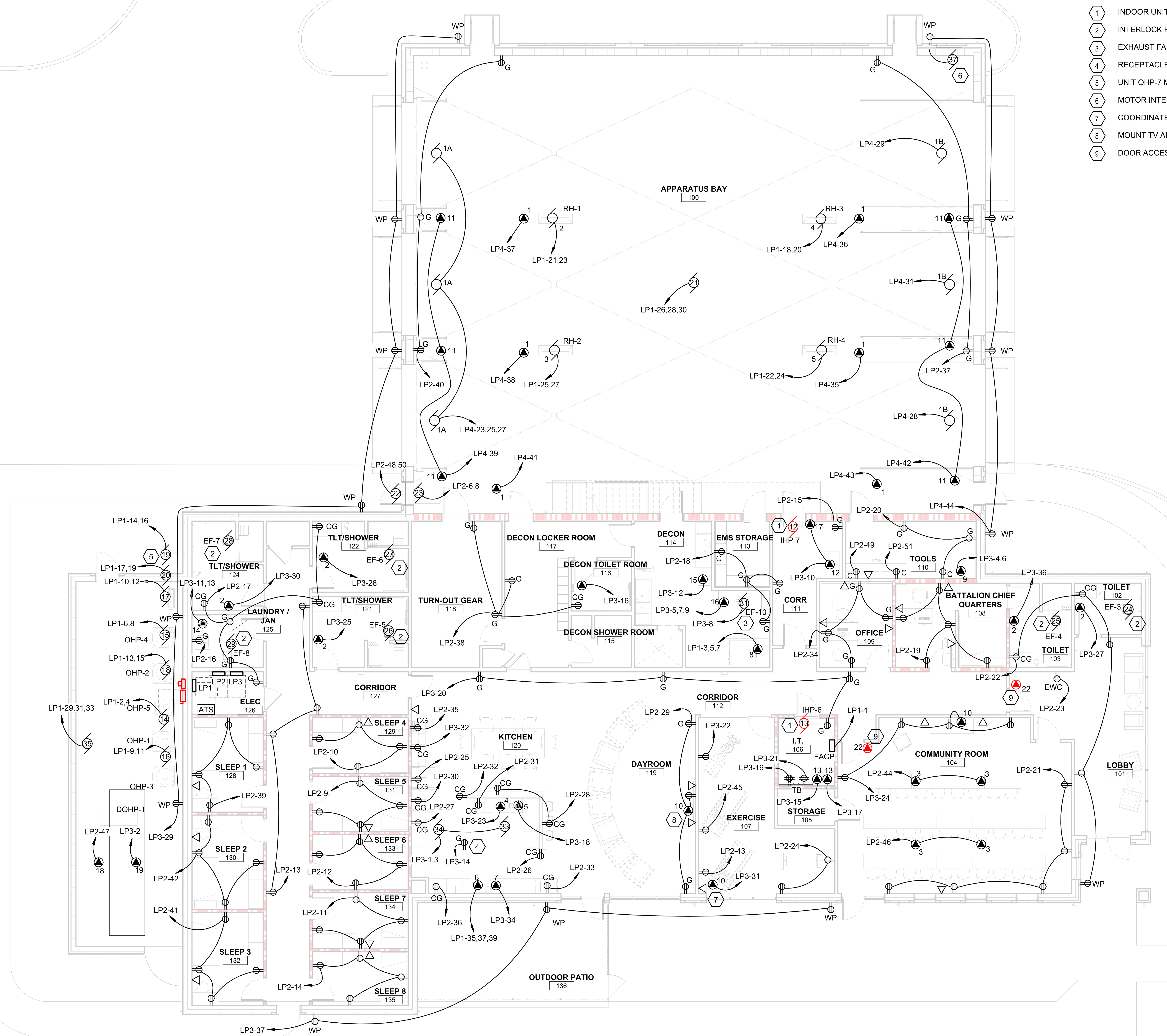
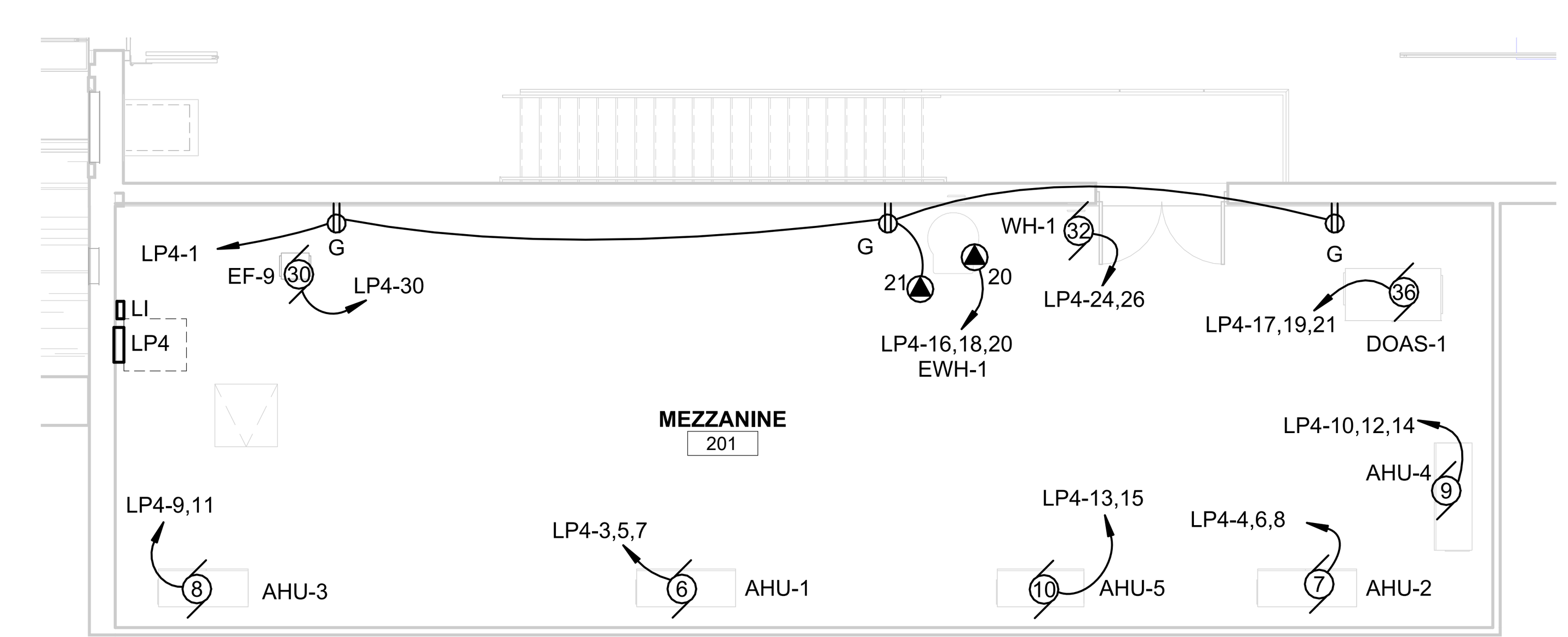


1 E-201 **POWER PLAN**
SCALE: 1/8" = 1'-0"



2 E-201 **MEZZANINE POWER PLAN**
SCALE: 1/8" = 1'-0"

POWER PLAN KEYED NOTES

1. INDOOR UNIT POWERED BY OUTDOOR UNIT.
2. INTERLOCK FAN WITH LIGHTS.
3. EXHAUST FAN TURNS ON WHEN EQUIPMENT IS RUNNING.
4. RECEPTACLE LOCATED ON ROOF.
5. UNIT OHP-7 MOUNTED ON WALL ABOVE UNIT OHP-6.
6. MOTOR INTERLOCKED WITH EF-1.
7. COORDINATE TV AND DATA ENTRY LOCATION AND HEIGHT WITH OWNER.
8. MOUNT TV AND DATA ENTRY 65" A.F.F.
9. DOOR ACCESS CONTROL

POWER PLAN CONSTRUCTION NOTES

1. PROVIDE LOCAL FUSIBLE DISCONNECTING MEANS FOR EACH MOTOR. PROVIDE FUSE SIZED PER MANUFACTURES RECOMMENDATIONS. SEE MECHANICAL EQUIPMENT SCHEDULES.
2. COORDINATE RECEPTACLE LOCATIONS AND MOUNTING HEIGHTS WITH MILLWORK AND OWNER.
3. CAT6 CABLE TO WAPS SHALL BE YELLOW.
4. PROVIDE LADDER RACK WITH SHELF TO WALL IN IT ROOM. COORDINATE EXACT LOCATION WITH OWNER.
5. COORDINATE SERVICE AND METERING INSTALLATION REQUIREMENTS WITH UTILITY COMPANY AND OWNER PRIOR TO INSTALLATION.
6. PROVIDE ARC FAULT INTERRUPTING TYPE CIRCUIT PROTECTION FOR ALL RECEPTACLE CIRCUITS IN SLEEPING AREAS.

FIBER LAYOUT NOTES

1. SYSTEM COMPONENTS AND INSTALLATION SHALL CONFORM TO CITY OF AUGUSTA'S 2020 NEW BUILDING AND CABLING GUIDELINES. CABLING INFRASTRUCTURE WILL BE APPROVED BY THE INFORMATION TECHNOLOGY DEPARTMENT.
2. ALL CABLING AND ALL CABLE ASSOCIATED ITEMS SUCH AS JACKS, FACEPLATES, PATCH PANELS, RACKS, CABINETS, CABLE SUSPENSION DEVICES, LABELING, CONDUIT AND CERTIFICATIONS WILL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR AS PART OF THE OVERALL BUILDING COST DESIGN AND CONSTRUCTION.
3. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO BID AND ADJUST CABLE ROUTING AS NECESSARY.

LIGHTING PROTECTION PLAN CONSTRUCTION NOTES

1. PROVIDE AND INSTALL COMPLETE LIGHTNING PROTECTION SYSTEM. ALL LIGHTNING PROTECTION SYSTEMS SHALL BE DESIGNED BY LICENSED PROFESSIONAL AND INSTALLED IN COMPLIANCE WITH CURRENT LPI-175, NFPA-780, UL-6, UL-96A, AND UL-1449 AS REQUIRED FOR THIS PROJECT.
2. DOWN CONDUCTORS SHALL BE ROUTED IN WALLS THROUGH PVC CONDUIT.
3. PROVIDE AIR TERMINAL WITHIN 2'-0" OF EACH HVAC UNIT EDGE OR AT CORNERS.
4. SUPPORT ALL CONDUCTORS AT 3'-0" INTERVALS MAXIMUM.
5. ALL MATERIALS SHALL BE UNDERWRITERS LABORATORY APPROVED. COMPLETE. SYSTEMS SHALL BEAR U.L. MASTER LABEL.
6. ALL MAIN CONDUCTORS SHALL MAINTAIN A HORIZONTAL OR DOWNWARD COURSING, AND ALL BENDS SHALL HAVE AT LEAST AN 8" RADIUS AND SHALL NOT EXCEED 90 DEGREES.
7. GROUND ELECTRODES SHALL BE INSTALLED AS SHOWN BUT IN NO INSTANCE SHALL THEY BE LESS THAN 1'-0" BELOW FINISHED GRADE AND 2'-0" FROM FOUNDATION WALL. DRIVEN RODS SHALL PENETRATE THE EARTH AT 10'-0" MINIMUM.
8. METAL BODIES OF CONDUCTANCE SHALL BE BONDED WITH MAIN SIZE CONDUCTOR AS SHOWN AND AS REQUIRED BY U.L. STANDARDS. THESE BONDS INCLUDE BUT ARE NOT LIMITED TO EXHAUST FANS, VENTS, HANDRAILS, LADDERS, HVAC UNITS, SKYLIGHTS, ETC. OR ANY LARGE METAL BODY SUBJECT TO DIRECT STRIKE OR WHICH EXCEEDS THE HEIGHT ADJACENT AIR TERMINALS.
9. METAL BODIES OF INDUCTANCE LOCATED WITHIN 6'-0" OF MAIN CONDUCTOR SHALL BE BONDED TO THE MAIN CONDUCTOR AS REQUIRED BY U.L. STANDARDS. THESE OBJECTS INCLUDE BUT ARE NOT LIMITED TO FASCIAS, FLASHING, METAL COPINGS, GRAVEL GUARDS, ROOF DRAINS, DOWN SPOUTS, ETC. OR ANY METAL BODY AT OR BELOW THE MAIN ROOF LEVEL SUBJECT TO INDUCTANCE.
10. U.L. 96A SECTION 7.5 STATES "A COPPER LIGHTNING PROTECTION COMPONENT SHALL NOT BE INSTALLED DIRECTLY ON ALUMINUM SURFACES OR EXTERNAL GALVANIZED STEEL SURFACES." NFPA 780 SECTION 4.2.3 STATES " COPPER LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON OR IN CONTACT WITH ALUMINUM ROOFING, ALUMINUM SIDING, OR OTHER ALUMINUM SURFACES."

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051578 JOSEPH ANTHONY PEARSON 04/29/25

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

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PROJECT NO.	3042.2403
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SHEET TITLE:
POWER PLAN

SCALE: AS NOTED
DRAWING NO.: E-201
REV.: A

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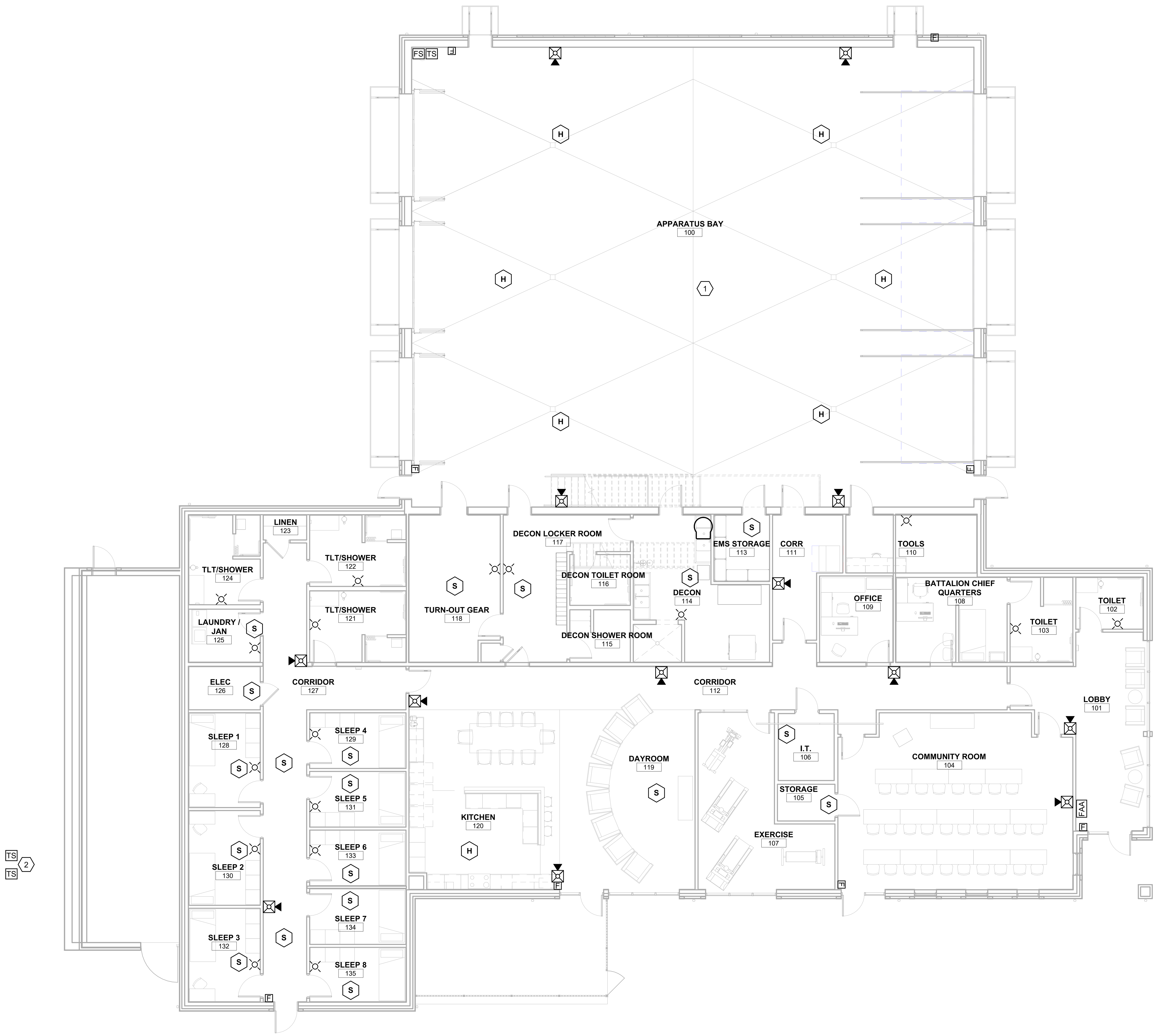
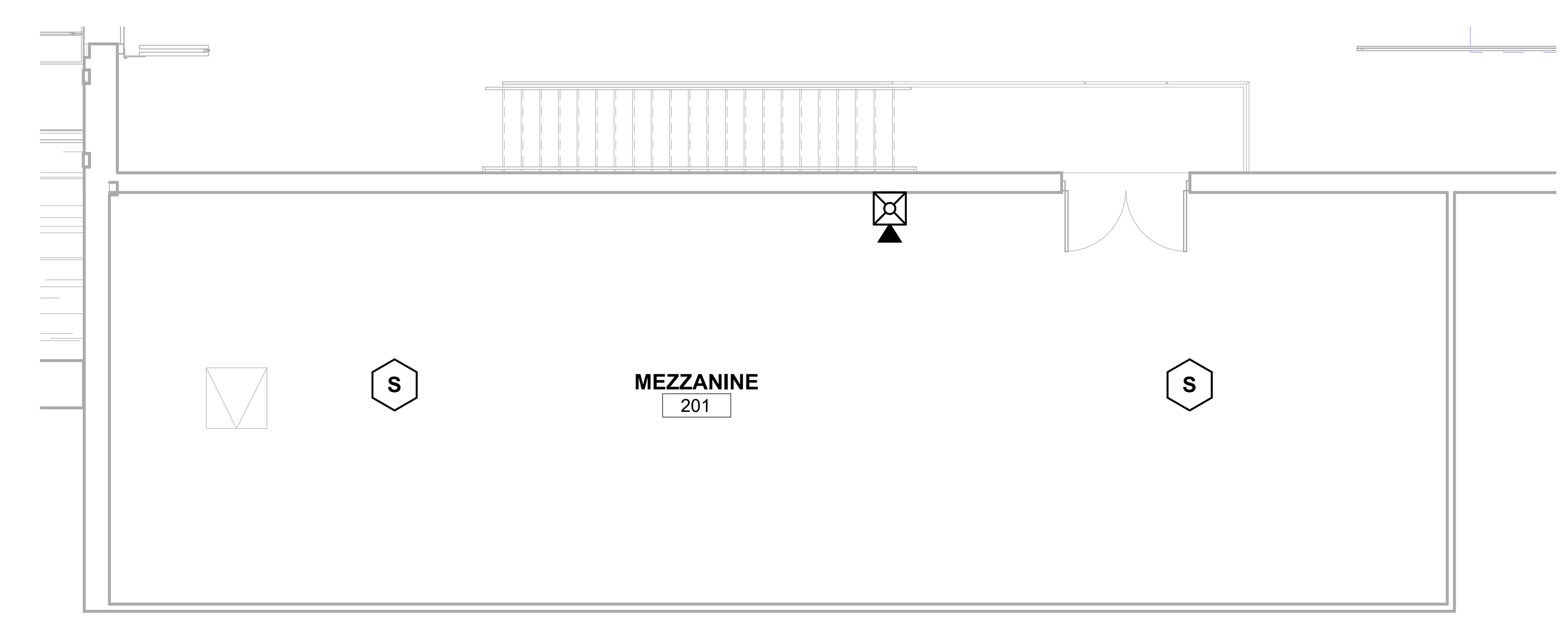
FIRE ALARM PLAN KEYED NOTES

1. INTERLOCK FLOW SWITCH WITH SHUNT TRIP CONTROL OF HVLS FANS.
2. PROVIDE TAMPER SWITCH AT EACH VALVE AT BACK FLOW PREVENTER. COORDINATE LOCATION WITH CIVIL DRAWINGS.



1 E-301 **FIRE ALARM PLAN**
SCALE: 1/8" = 1'-0"



2 E-301 **MEZZANINE FIRE PLAN**
SCALE: 1/8" = 1'-0"

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051575 JOSEPH ANTHONY PEARSON 04/29/25

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

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SHEET TITLE: **FIRE ALARM PLAN**

SCALE: AS NOTED
DRAWING NO.: **E-301**
REV.: **A**

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LIGHTING FIXTURE SCHEDULE

TYPE MARK	MANUFACTURER	MODEL NUMBER	VOLTAGE	WATTAGE	LAMP TYPE	MOUNTING	DESCRIPTION
A	LITHONIA	CLX L48 SEF FDL ND MVOLT GZ10 40K 80CRI EPNKO	120 V	32 VA	4000K LED	SURFACE	LED STRIP LIGHT WITH DECORATIVE END PLATES
AE	LITHONIA	CLX L48 SEF FDL ND MVOLT GZ10 40K 80CRI EPNKO E10W	120 V	22 VA	4000K LED	RECESSED	LED STRIP LIGHT WITH DECORATIVE END PLATES, EMERGENCY BATTERY
B	LITHONIA	STAKS 2X4 AL06 SWW7	120 V	27 VA	4000K LED	RECESSED	SELECTABLE 4000/5000/6000 LUMEN LEVEL AND SWITCHABLE COLOR TEMPERATURE
BE	LITHONIA	STAKS 2X4 AL06 SWW7 ILB CP10A	120 V	27 VA	4000K LED	RECESSED	SELECTABLE 4000/5000/6000 LUMEN LEVEL AND SWITCHABLE COLOR TEMPERATURE WITH EMERGENCY BATTERY
C	LITHONIA	STAKS 2X2 AL06 SWW7	120 V	29 VA	4000K LED	RECESSED	SELECTABLE 3000/4000/5000 LUMEN LEVEL AND SWITCHABLE COLOR TEMPERATURE
D	LITHONIA	STAKS 2X2 AL06 SWW7 ILB CP10A	120 V	21 VA	4000K LED	RECESSED	SELECTABLE 3000/4000/5000 LUMEN LEVEL AND SWITCHABLE COLOR TEMPERATURE WITH EMERGENCY BATTERY
DE	LITHONIA	LDN6 40/15 LO6BR	120 V	21 VA	4000K LED	RECESSED	6" LED DOWN LIGHT WITH BATTERY BACKUP
E	LITHONIA	JCBL 30000LM ACCR 40K 80 CRI	120 V	200 VA	4000K LED	PENDANT	HIGH BAY LIGHT WITH 30000LM
EE	LITHONIA	JCBL 30000LM ACCR 40K 80 CRI	120 V	200 VA	4000K LED	PENDANT	HIGH BAY LIGHT WITH 24000LM. PROVIDE EMERGENCY LIGHTING INVERTER.
GE	LITHONIA	ARC2 LED P4 40K MVOLT	120 V	25 VA	4000K LED	WALL MOUNT	LED WALL MOUNTED LIGHT WITH BATTERY BACKUP
H	LITHONIA	LDN6CYL 40/20 LO6 AR 120 FCM	120 V	23 VA	4000K LED	CEILING MOUNT	CEILING MOUNTED CYLINDER LIGHT WITH AJUSTABE BASE FOR ANGLES
HE	LITHONIA	LDN6CYL 40/20 LO6 AR 120 FCM NPP16D	120 V	23 VA	4000K LED	CEILING MOUNT	CEILING MOUNTED CYLINDER LIGHT WITH AJUSTABE BASE FOR ANGLES WITH BATTERY BACKUP
J	LITHONIA	OLLWD LED P1 4000K MVOLT	120 V	9 VA	4000K LED	WALL MOUNT	WALL MOUNTED CYLINDER LIGHT
K	BASELITE	SBHR20 E8 LED 75W 3K 120 LWTM	120 V	80 VA	3000K LED	WALL MOUNT	WALL MOUNTED LED OUTSIDE LIGHT
L	LITHONIA	DSX2 LED P3 40K 80CRI T2M	208 V	222 VA	4000K LED	POLE MOUNT	PROVIDE CONCRETE BASE PER DETAIL 2 / ES100. PROVIDE 5" SQUARE STEEL POLE. 25FT MOUNTING HEIGHT.
M	LITHONIA	DSXF2 LED 6 P2 40K 70CRI NSP MVOLT IS FINISH	208 V	80 VA	4000K LED	GROUND	FLAG POLE LIGHT. PROVIDE 18" STANCHION MOUNT AND CONCRETE BASE PER DETAIL 3 / ES100.
MS	LITHONIA	DSXF2 LED 6 P2 40K 70CRI WFL MVOLT IS FINISH	208 V	80 VA	4000K LED	GROUND	SIGN LIGHT. PROVIDE 18" STANCHION MOUNT AND CONCRETE BASE PER DETAIL 3 / ES100.
N	LITHONIA	LDN6 40/15 LO6BR	120 V	21 VA	4000K LED	RECESSED	6" LED DOWN LIGHT EXTERIOR
NE	LITHONIA	LDN6 40/15 LO6BR	120 V	21 VA	4000K LED	RECESSED	6" LED DOWN LIGHT EXTERIOR WITH BATTERY BACKUP
U	LITHONIA	UCES LED	120 V	10 VA	4000K LED	SURFACE	UNDERCABINET LIGHT
X	LITHONIA	LQM S W RG MVOLT	120 V	4 VA	LED	WALL MOUNT	LED EXIT SIGN WITH BATTERY BACKUP

NOTES:

1. COORDINATE ALL FINISH OPTIONS WITH ARCHITECT.

SPECIAL OUTLET SCHEDULE

ID	DESCRIPTION
1	CORD REEL
2	ELECTRIC HAND DRYER
3	LEGRAND RFB-4 SERIES FLOORBOX. PROVIDE TWO (2) DUPLEX AND TWO (2) DATA IN BOX.
4	FOOD DISPOSER
5	DISH WASHER
6	RANGE
7	KITCHEN HOOD LIGHTS AND CONTROLS
8	WASHER EXTRACTOR IN DECON
9	AIR COMPRESSOR
10	LEGRAND TWO GANG WALL BOX TVMW. INSTALL CAT 5 BACK TO IT ROOM. COORDINATE TV AND AV REQUIREMENTS WITH OWNER
11	PROVIDE JUNCTION BOX AND SG10B-115RG-LED BY TRILITE OR APPROVED EQUAL COORDINATE CONTROLS WITH DOOR INSTALLER
12	ICE MACHINE
13	PROVIDE NEMA L5-20R DUPLEX RECEPTACLE
14	DRYER
15	GLOVE AND BOOT DRYER
16	GEAR RACK DRYER
17	MINI CONDENSATE PUMP
18	GENERATOR CASE HEATER
19	GENERATOR BATTERY
20	EWH-1
21	PMP-1
22	ACCESS CONTROL (SEE DETAIL #4)

SPECIAL OUTLET SCHEDULE NOTES:

PROVIDE LOCAL DISCONNECTING FOR DEVICES WITHOUT RECEPTACLE. COORDINATE WITH MOCP.

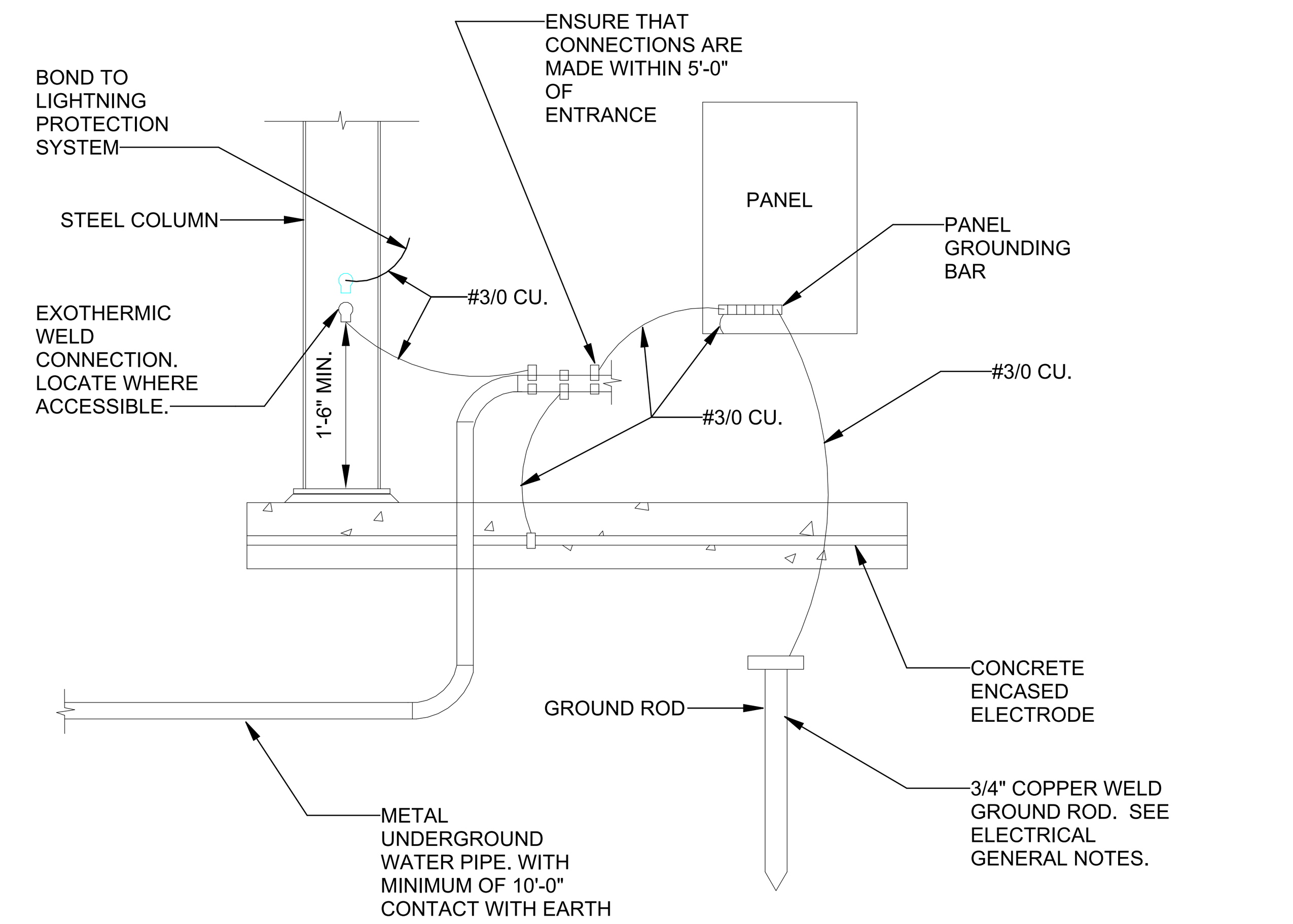
PROVIDE DUPLEX RECEPTACLE FOR POWER.
PROVIDE JUNCTION BOX WITH BRUSH COVERPLATE AND 3/4" EMPTY CONDUIT FOR DATA.

MOTOR SCHEDULE

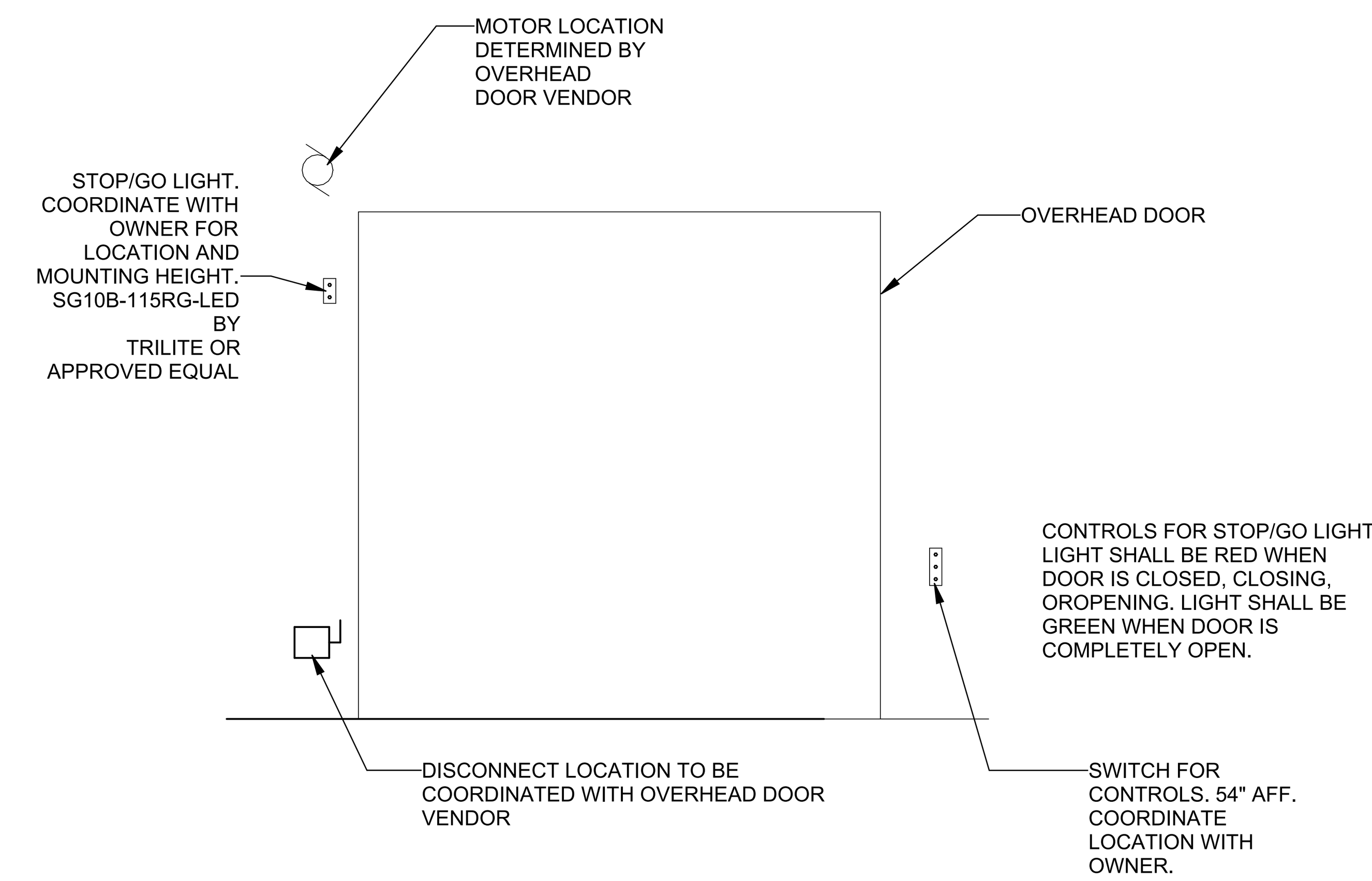
ID	DESCRIPTION
1A	BAY DOOR
1B	BAY DOOR
2	RH-1
3	RH-2
4	RH-3
5	RH-4
6	AHU-1
7	AHU-2
8	AHU-3
9	AHU-4
10	AHU-5
12	IHP-7,1
13	IHP-6
14	OHP-1
15	OHP-2
16	OHP-3
17	OHP-4
18	OHP-5
19	OHP-6
20	OHP-7
21	HVLS-1
22	EF-1
23	EF-1
24	EF-3
25	EF-4
26	EF-5
27	EF-6
28	EF-7
29	EF-8
30	EF-9
31	EF-10
32	WH-1
33	KEF-1
34	KSF-1F
35	DOPH-1
36	DOAS-1
37	IL-1

MOTOR SCHEDULE NOTES:

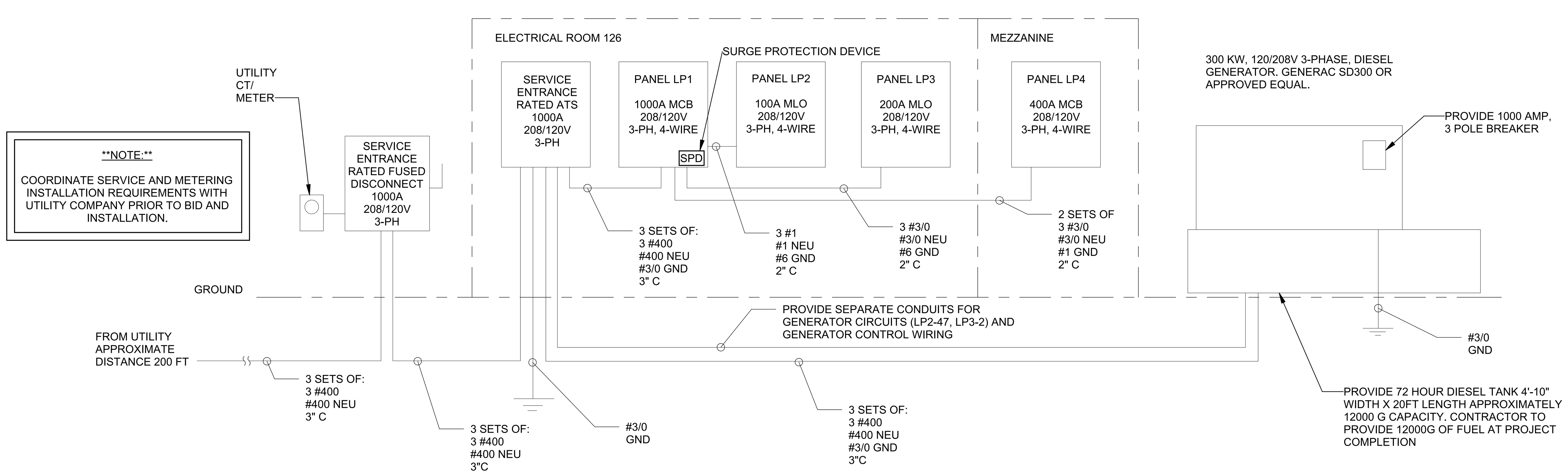
PROVIDE LOCAL FUSIBLE DISCONNECTING MEANS FOR EACH MOTOR. COORDINATE WITH MOTOR MOCP.



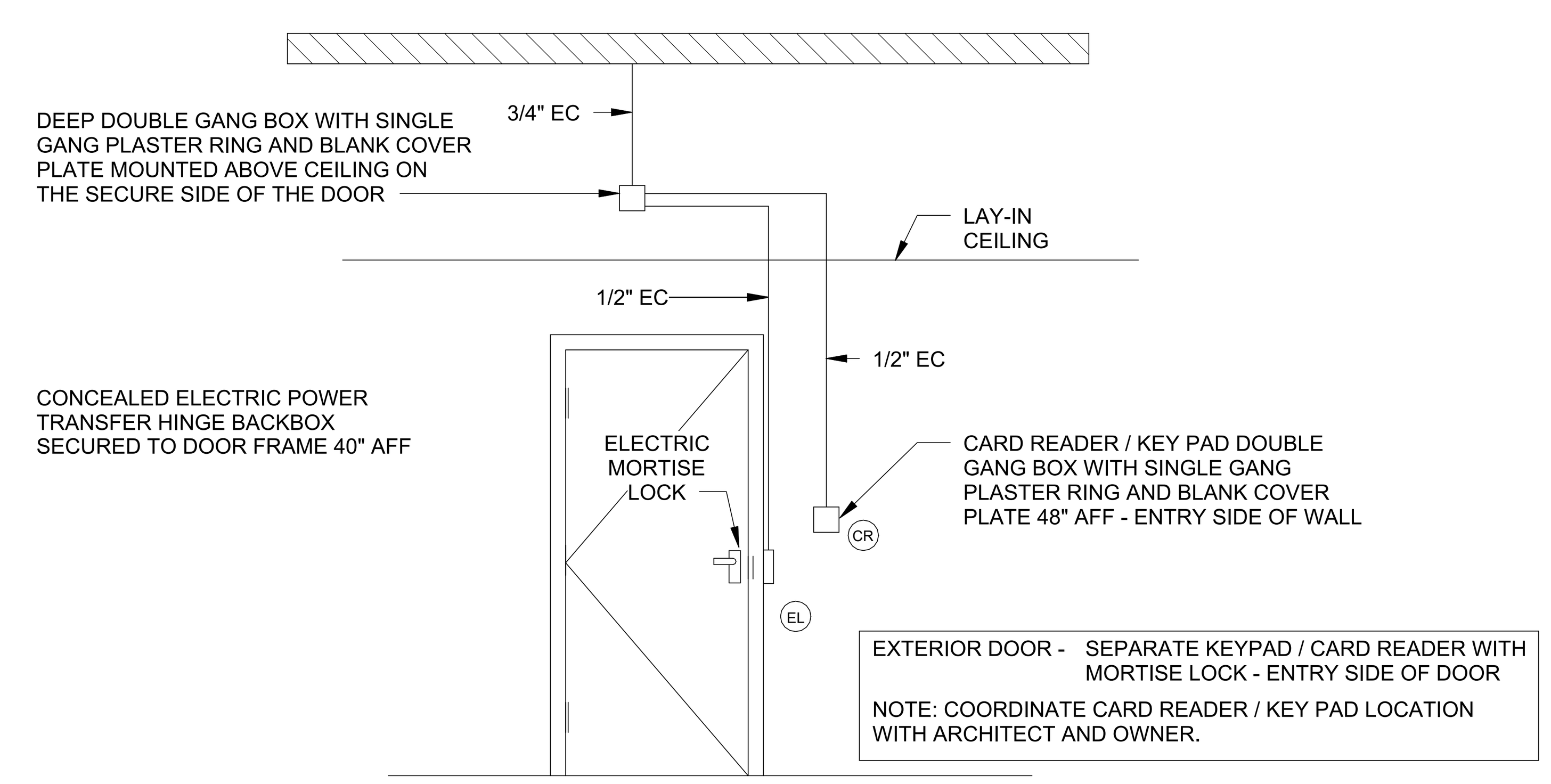
2 E-401 ELECTRODE GROUNDING DETAIL
NO SCALE



3 E-401 BAY DOOR DETAIL
NO SCALE



1 E-401 RISER DIAGRAM
NO SCALE



4 E-401 CARD READER / ELECTRIC LOCK DETAIL
NO SCALE

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PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051575 JOSEPH ANTHONY PEARSON 4/29/25

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SHEET TITLE:

ELECTRICAL SCHEDULES AND DETAILS

SCALE: AS NOTED

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1 2 3 4 5 6 7 8

PANEL: LP1

LOCATION	ELEC 126	MAIN AMPS	1000 A
MOUNTING	SURFACE	VOLTAGE	120/208 Wye
MAIN	MCB	PHASE	3 WIRE 4
FEED FROM	UTILITY	S.C.C.	SEE NOTE 1. 35kA MIN.

	A	B	C	TOTAL	DEMAND
RECEPTACLE...				24900 VA	17450 VA
KITCHEN VA					
LIGHTING VA				8765 VA	8765 VA
OTHER VA				117956 VA	117956 VA
VA PER PHASE	110506 VA	118999 VA	118777 VA	347282 VA	339832 VA
AMPS PER PHASE	921 A	1002 A	1000 A		

MIN. WIRE/CONDUIT SIZE	Load Name	AMPS	P	CKT	A		B		C		CKT	P	AMPS	Load Name	MIN. WIRE/CONDUIT SIZE
2#12, #12G, 3/4"C	FACP *	20 A	1	1	1000 VA	2880 VA					2	2	40 A	OHP-1	2#8, #10g, 3/4"C
3#8, #10g, 3/4"C	EXTRACTOR	40 A	3	3			1382 VA	2880 VA			4	--	--	--	--
--	--	--	--	5					1382 VA	2880 VA	6	2	40 A	OHP-2	2#8, #10g, 3/4"C
--	--	--	--	7	1382 VA	2880 VA					8	--	--	--	--
2#10, #10G, 3/4"C	OHP-3	25 A	2	9			1920 VA	3000 VA			10	2	40 A	OHP-4	2#8, #10g, 3/4"C
--	--	--	--	11					1920 VA	3000 VA	12	--	--	--	--
2#10, #10G, 3/4"C	OHP-5	20 A	2	13	1440 VA	2760 VA					14	2	25 A	OHP-6	2#10, #10g, 3/4"C
--	--	--	--	15			1440 VA	2760 VA			16	--	--	--	--
2#10, #10G, 3/4"C	OHP-7	20 A	2	17					1920 VA	6750 VA	18	2	20 A	RH-3	2#2, #6G, 1"C
--	--	--	--	19	1920 VA	6750 VA					20	--	--	--	--
2#2, #6G, 1"C	RH-1	20 A	2	21			6750 VA	6750 VA			22	2	20 A	RH-4	2#2, #6G, 1"C
--	--	--	--	23					6750 VA	6750 VA	24	--	--	--	--
2#2, #6G, 1"C	RH-2	20 A	2	25	6750 VA	1656 VA					26	3	20 A	HVLS-1	3#12, #12G, 3/4"C
--	--	--	--	27			6750 VA	1656 VA			28	--	--	--	--
3#8, #10g, 3/4"C	DOHP-1	40 A	3	29					2880 VA	1656 VA	30	--	--	--	--
--	--	--	--	31	2880 VA	--					32	1	--	SHUNT	
--	--	--	--	33			2880 VA	0 VA			34	3	20 A	SPARE	
3#4, #8g, 1 1/4"C	ELECTRIC RANGE	60 A	3	35					5766 VA	0 VA	36	--	--	--	--
--	--	--	--	37	5766 VA	0 VA					38	--	--	--	--
--	--	--	--	39			5766 VA	--			40	1	--	SPACE	
	SHUNT	--	1	41					--	--	42	1	--	SPACE	
SEE RISER	PANEL LP2	100 A	3	43	8583 VA	--					44	1	--	SPACE	
--	--	--	--	45			9544 VA	--			46	1	--	SPACE	
--	--	--	--	47					10789 VA	--	48	1	--	SPACE	
SEE RISER	PANEL LP4	400 A	3	49	49583 VA	14276 VA					50	3	200 A	PANEL LP3	SEE RISER
--	--	--	--	51			48237 VA	17284 VA			52	--	--	--	--
--	--	--	--	53					48136 VA	18198 VA	54	--	--	--	--

REMARKS: * PROVIDE BREAKER LOCK, RED IN COLOR, LABELED FIRE ALARM

PANEL: LP2

LOCATION	ELEC 126	MAIN AMPS	100 A
MOUNTING	SURFACE	VOLTAGE	120/208 Wye
MAIN	MLO	PHASE	3 WIRE 4
FEED FROM	PANEL LP1	S.C.C.	SEE NOTE 1. 22kA MIN.

	A	B	C	TOTAL	DEMAND
RECEPTACLE...				20040 VA	15020 VA
KITCHEN VA					
LIGHTING VA				4766 VA	4766 VA
OTHER VA				3300 VA	3300 VA
VA PER PHASE	8583 VA	9544 VA	10789 VA	28916 VA	23896 VA
AMPS PER PHASE	72 A	81 A	91 A		

MIN. WIRE/CONDUIT SIZE	Load Name	AMPS	P	CKT	A		B		C		CKT	P	AMPS	Load Name	MIN. WIRE/CONDUIT SIZE
2#12, #12G, 3/4"C	LIGHTING	20 A	1	1	835 VA	985 VA					2	1	20 A	LIGHTING	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	LIGHTING	20 A	1	3			768 VA	775 VA			4	1	20 A	LIGHTING	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	LIGHTING	20 A	1	5					1029 VA	120 VA	6	2	20 A	EF-2	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	LIGHTING	20 A	1	7	464 VA	120 VA					8	--	--	--	--
2#12, #12G, 3/4"C	RECEPTACLES AFIC	20 A	1	9			720 VA	720 VA			10	1	20 A	RECEPTACLES AFCI	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES AFIC	20 A	1	11					720 VA	1340 VA	12	1	20 A	RECEPTACLES AFCI	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	13	720 VA	720 VA					14	1	20 A	RECEPTACLES AFCI	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	15			180 VA	800 VA			16	1	20 A	WASHER	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	17					1080 VA	720 VA	18	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES AFCI	20 A	1	19	900 VA	540 VA					20	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	21			900 VA	900 VA			22	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	EWC	20 A	1	23					800 VA	360 VA	24	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	25	180 VA	180 VA					26	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	27			180 VA	360 VA			28	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	29					900 VA	180 VA	30	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	31	180 VA	180 VA					32	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	33			180 VA	720 VA			34	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	35					180 VA	180 VA	36	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	37	540 VA	720 VA					38	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES AFCI	20 A	1	39			720 VA	540 VA			40	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES AFCI	20 A	1	41					720 VA	720 VA	42	1	20 A	RECEPTACLES AFCI	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	43	180 VA	720 VA					44	1	20 A	FLOOR OUTLET BOX	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	45			180 VA	720 VA			46	1	20 A	FLOOR OUTLET BOX	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	GENERATOR CASE HEATER	20 A	1	47					1500 VA	240 VA	48	2	20 A	EF-1	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	49	180 VA	240 VA					50	--	--	--	--
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	51			180 VA	0 VA			52	1	20 A	SPARE	
	SPARE	20 A	1	53					0 VA	0 VA	54	1	20 A	SPARE	

REMARKS:

NOTE 1.

CONTRACTOR TO COORDINATE SERVICE AND METERING INSTALLATION REQUIREMENTS, AIC RATING, AND PANEL SCCR WITH UTILITY COMPANY PRIOR TO BID AND INSTALLATION.

PANEL: LP3

LOCATION	ELEC 126	MAIN AMPS	200 A
MOUNTING	SURFACE	VOLTAGE	120/208 Wye
MAIN	MLO	PHASE	3 WIRE 4
FEED FROM	PANEL LP1	S.C.C.	SEE NOTE 1. 22kA MIN.

	A	B	C	TOTAL	DEMAND
RECEPTACLE...				3600 VA	3600 VA
KITCHEN VA					
LIGHTING VA				240 VA	240 VA
OTHER VA				42343 VA	42343 VA
VA PER PHASE	14276 VA	17284 VA	18198 VA	49758 VA	49758 VA
AMPS PER PHASE	119 A	148 A	156 A		

MIN. WIRE/CONDUIT SIZE	Load Name	AMPS	P	CKT	A		B		C		CKT	P	AMPS	Load Name	MIN. WIRE/CONDUIT SIZE
2#12, #12G, 3/4"C	KITCHEN FANS	20 A	2	1	1392 VA	1200 VA					2	1	20 A	GENERATOR BATTERY CHARGER	2#12, #12G, 3/4"C
--	--	--	--	3			1392 VA	1945 VA			4	2	30 A	AIR COMPRESSOR	2#10, #10G, 3/4"C
3#8, #10G, 1"C	GEAR DRYER CABINET	40 A	3	5					4152 VA	1945 VA	6	--	--	--	--
--	--	--	--	7	4152 VA	71 VA					8	1	20 A	EF-10	2#12, #12G, 3/4"C
--	--	--	--	9			4152 VA	1296 VA			10	1	20 A	ICE MACHINE	2#12, #12G, 3/4"C
3#10, 10G, 3/4"C	DRYER	30 A	2	11					2400 VA	900 VA	12	1	20 A	GLOVE AND BOOT DRYER	2#12, #12G, 3/4"C
--	--	--	--	13	2400 VA	180 VA					14	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	IT RECEPTACLE	20 A	1	15			1500 VA	1500 VA			16	1	20 A	ELECTRIC HAND DRYER	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	IT RECEPTACLE	20 A	1	17					1500 VA	1001 VA	18	1	20 A	DISH WASHER	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	IT RECEPTACLE	20 A	1	19	360 VA	720 VA					20	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	IT RECEPTACLE	20 A	1	21			360 VA	180 VA			22	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	FOOD DISPOSER	20 A	1	23					1140 VA	1080 VA	24	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	ELECTRIC HAND DRYER	20 A	1	25	1500 VA	0 VA					26	1	20 A	SPARE	
2#12, #12G, 3/4"C	ELECTRIC HAND DRYER	20 A	1	27			1500 VA	1500 VA			28	1	20 A	ELECTRIC HAND DRYER	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	29					1080 VA	1500 VA	30	1	20 A	ELECTRIC HAND DRYER	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	EXERCISE TV	20 A	1	31	360 VA	180 VA					32	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#10, #10G, 3/4"C	SITE LIGHTING	20 A	2	33			240 VA	498 VA			34	1	20 A	RANGE HOOD	2#12, #12G, 3/4"C
--	--	--	--	35					0 VA	1500 VA	36	1	20 A	ELECTRIC HAND DRYER	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	RECEPTACLES	20 A	1	37	540 VA	1221 VA					38	2	20 A	SITE LIGHTING	2#10, #10G, 3/4"C
	SPARE	20 A	1	39			0 VA	1221 VA			40	--	--	--	--
	SPARE	20 A	1	41					0 VA	0 VA	42	1	20 A	SPARE	
	SPARE	20 A	1	43	0 VA	0 VA					44	1	20 A	SPARE	
	SPARE	20 A	1	45			0 VA	0 VA			46	1	20 A	SPARE	
	SPARE	20 A	1	47					0 VA	0 VA	48	1	20 A	SPARE	
	SPARE	20 A	1	49	0 VA	0 VA					50	1	20 A	SPARE	
	SPARE	20 A	1	51			0 VA	0 VA			52	1	20 A	SPARE	
	SPARE	20 A	1	53					0 VA	0 VA	54	1	20 A	SPARE	

REMARKS:

PANEL: LP4

LOCATION	MEZZANINE 201	MAIN AMPS	400 A
MOUNTING	SURFACE	VOLTAGE	120/208 Wye
MAIN	MCB	PHASE	3 WIRE 4
FEED FROM	PANEL LP1	S.C.C.	SEE NOTE 1. 22kA MIN.

	A	B	C	TOTAL	DEMAND
RECEPTACLE...				1260 VA	1260 VA
KITCHEN VA					
LIGHTING VA				3760 VA	3760 VA
OTHER VA				50868 VA	50868 VA
VA PER PHASE	49583 VA	48237 VA	48136 VA	145955 VA	145955 VA
AMPS PER PHASE	413 A	402 A	401 A		

MIN. WIRE/CONDUIT SIZE	Load Name	AMPS	P	CKT	A		B		C		CKT	P	AMPS	Load Name	MIN. WIRE/CONDUIT SIZE
2#12, #12G, 3/4"C	MEZZANINE RECEPTACLES	20 A	1	1	1548 VA	419 VA					2	1	20 A	MEZZANINE LIGHTING	2#12, #12G, 3/4"C
3#4, #4G, 1/4"C	AHU-1	45 A	3	3			5400 VA	5400 VA			4	3	45 A	AHU-2	3#4, #4G, 1/4"C
--	--	--	--	5					5400 VA	5400 VA	6	--	--	--	--
--	--	--	--	7	5400 VA	5400 VA					8	--	--	--	--
2#8, #10g, 3/4"C	AHU-3	40 A	2	9			4800 VA	5400 VA			10	3	45 A	AHU-4	3#4, #4G, 1/4"C
--	--	--	--	11					4800 VA	5400 VA	12	--	--	--	--
2#10, #10G, 3/4"C	AHU-5	25 A	2	13	3000 VA	5400 VA					14	--	--	--	--
--	--	--	--	15			3000 VA	13500 VA			16	3	140 A	EWH-1	3#1/0, #6G, 2"C
3#8, #10g, 3/4"C	DOAS-1	40 A	3	17					4680 VA	13500 VA	18	--	--	--	--
--	--	--	--	19	4680 VA	13500 VA					20	--	--	--	--
--	--	--	--	21			4680 VA	125 VA			22	1	20 A	LIGHTING EXTERIOR	2#12, #12G, 3/4"C
3#10, #10g, 3/4"C	BAY DOORS	20 A	3	23					1656 VA	1000 VA	24	2	20 A	WH-1	2#12, #12G, 3/4"C
--	--	--	--	25	1656 VA	1000 VA					26	--	--	--	--
--	--	--	--	27			1656 VA	1500 VA			28	1	20 A	BAY DOOR	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	BAY DOOR	20 A	1	29					1500 VA	120 VA	30	1	20 A	EF-9	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	BAY DOOR	20 A	1	31	1500 VA	800 VA					32	1	20 A	BAY LIGHTING	2#12, #12G, 3/4"C
	SPARE	20 A	1	33			0 VA	800 VA			34	1	20 A	BAY LIGHTING	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	CORD REEL GFCI	20 A	1	35					1440 VA	1440 VA	36	1	20 A	CORD REEL GFCI	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	CORD REEL GFCI	20 A	1	37	1440 VA	1440 VA					38	1	20 A	CORD REEL GFCI	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	OHD LIGHT	20 A	1	39			360 VA	816 VA			40	1	20 A	BAY LIGHTING	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	CORD REEL GFCI	20 A	1	41					1440 VA	360 VA	42	1	20 A	OHD LIGHT	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	CORD REEL GFCI	20 A	1	43	1440 VA	960 VA					44	1	20 A	RECEPTACLES	2#12, #12G, 3/4"C
2#12, #12G, 3/4"C	BAY LIGHTING	20 A	1	45			800 VA	0 VA			46	1	20 A	SPARE	
	SPARE	20 A	1	47					0 VA	0 VA	48	1	20 A	SPARE	
	SPARE	20 A	1	49	0 VA	0 VA					50	1	20 A	SPARE	
	SPARE	20 A	1	51			0 VA	0 VA			52	1	20 A	SPARE	
	SPARE	20 A	1	53					0 VA	0 VA	54	1	20 A	SPARE	

REMARKS:

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CLIENT: AUGUSTA, GA
535 TELFAIR STREET, AUGUSTA, GA 30901

PROJECT NAME: FIRE STATION #3

PROJECT LOCATION: 2649 GORDON HWY., AUGUSTA, GA 30909

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051575 JOSEPH ANTHONY PEARSON 04/29/25

GEORGIA JOHNSON, LASCHOBER & ASSOCIATES, P.C. No. PEF000356 EXPIRATION DATE: JUNE 30, 2026 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
A	04/29/25	JAP	ISSUED FOR BID/PERMIT

PROJECT NO.	3042.2403
DRAWN BY:	CPH
CHECKED BY:	JAP
DATE:	04/03/2024

SHEET TITLE: ELECTRICAL PANEL SCHEDULES

SCALE: AS NOTED

DRAWING NO. E-402 REV. A

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