



AIKEN INTERMEDIATE - BUS
TRANSPORTATION OFFICE
AIKEN COUNTY PUBLIC SCHOOL DISTRICT

CONSTRUCTION DOCUMENTS - ISSUE FOR BID

09.21.26

MWA PROJECT NO: M-25-119



METHOD WORKS ARCHITECTURE	ARCHITECTURE & INTERIORS
HASS AND HILDERBRAND	CIVIL ENGINEERING
MABRY ENGINEERING ASSOC.	STRUCTURAL ENGINEERING
MECA	MECHANICAL ENGINEERING
MECA	PLUMBING ENGINEERING
ELECTRICAL DESIGN CONSULTANTS	ELECTRICAL ENGINEERING



METHOD WORKS
ARCHITECTURE

[illegible]

AIKEN COUNTY PUBLIC SCHOOL
DISTRICT
101 GATOR LN, AIKEN, SC 29801

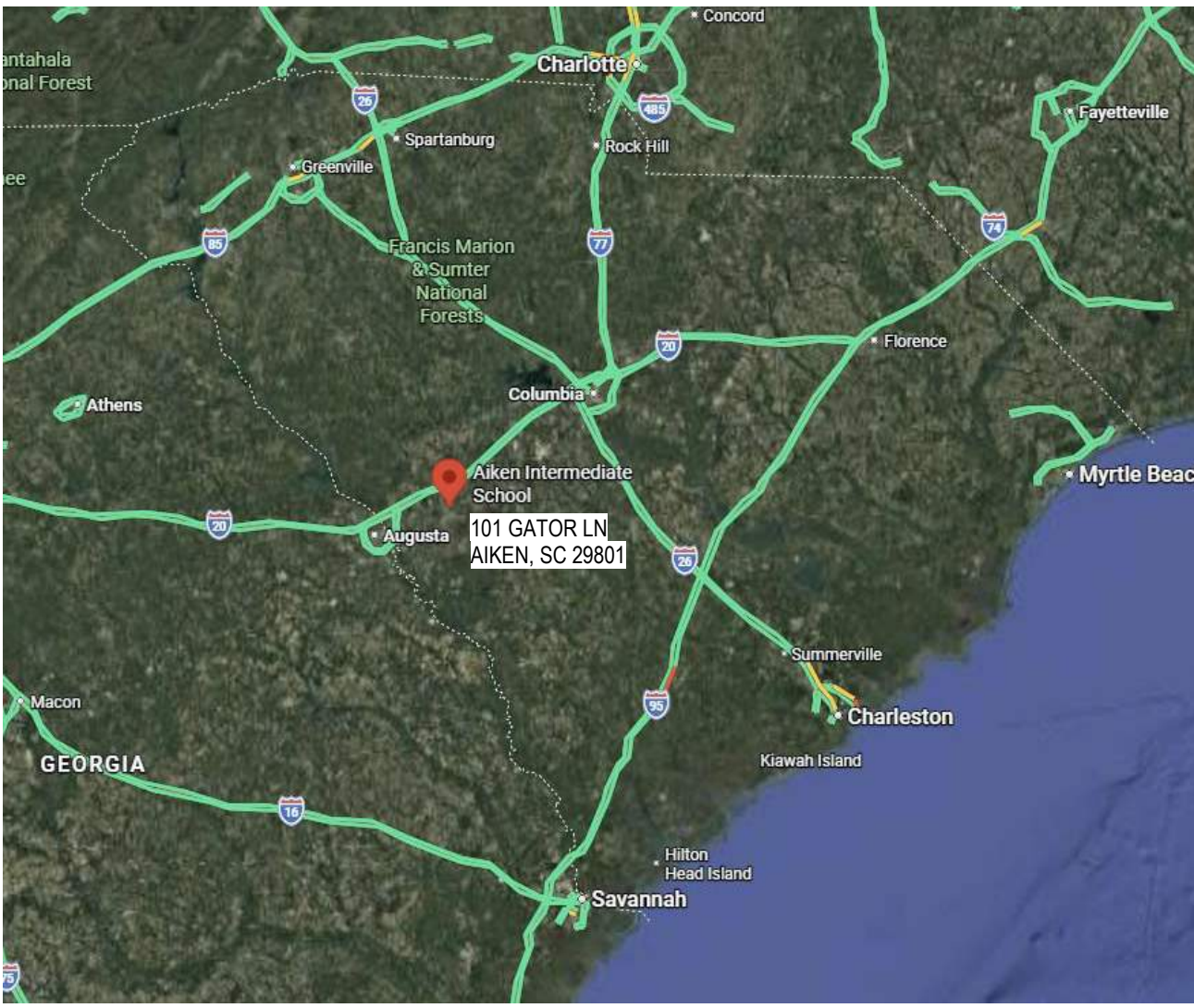
M-25-119
Drawn By KSR
Checked By KSR
Date 09.21.26

COVER SHEET

Drawing No.

G1.0

STATE LOCATION MAP



VICINITY LOCATION MAP



INDEX OF DRAWINGS

GENERAL	
G1.0	COVER SHEET
G1.1	INDEX OF DRAWINGS, SYMBOLS, ABBREVIATIONS
G2.1	CODE REVIEW AND LIFE SAFETY PLAN
G2.2	GENERAL NOTES & SPECIFICATIONS
G2.3	GENERAL NOTES & SPECIFICATIONS
CIVIL	
C1.1	CIVIL COVER SHEET
C1.2	SITE PLAN
C1.3	SITE WORK DETAILS
ARCHITECTURAL	
AS1.0	ARCHITECTURAL SITE PLAN
A1.1	FLOOR PLAN AND DIMENSION PLAN
A2.1	REFLECTED CEILING PLAN AND ROOF PLAN
A3.1	ENLARGED TOILET PLANS, DETAILS & PARTITION TYPES
A4.1	BUILDING ELEVATIONS
A5.1	BUILDING SECTIONS
A6.1	WALL SECTIONS AND DETAILS
A6.2	WALL SECTIONS AND DETAILS
A6.3	DOOR AND WINDOW HEAD JAMB AND SILL DETAILS
A7.1	WINDOW AND DOOR TYPES AND SCHEDULES
A8.1	FINISH PLAN, SCHEDULE, AND LEGEND
A8.7	MILLWORK PLANS, ELEVATIONS, AND DETAILS
STRUCTURAL	
S0.0	GENERAL NOTES AND TYPICAL DETAILS
S1.1	FOUNDATION AND ROOF PLANS
S6.1	WALL SECTIONS
S6.2	WALL SECTIONS
MECHANICAL	
M1.1	MECHANICAL FLOOR PLAN AND SECTIONS
M2.1	MECHANICAL SCHEDULES
M2.2	MECHANICAL DETAILS
FIRE PROTECTION	
SECTION NOT APPLICABLE - NON-SPRINKLERED BUILDING	
PLUMBING	
P1.1	PLUMBING FLOOR PLANS
P2.1	PLUMBING SCHEDULES, DETAILS, RISERS
ELECTRICAL	
E1.0	LEGENDS, NOTES, DETAILS, AND FIXTURE SCHEDULE
E1.1	ELECTRICAL SITE PLAN
E2.1	LIGHTING PLAN
E3.1	POWER PLAN
E4.1	MECHANICAL POWER PLAN
E5.1	SYSTEMS PLAN
E6.0	ELECTRICAL DETAILS

MATERIAL DESIGNATIONS

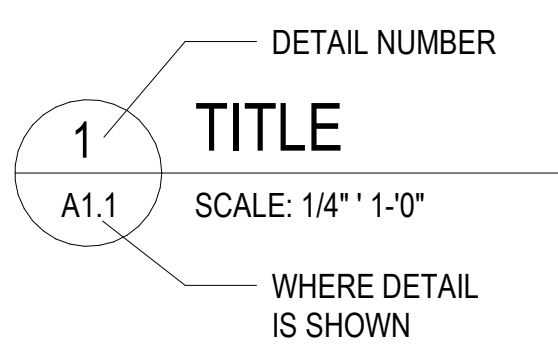
	COMPACTED EARTH		WOOD (ROUGH)
	POURIOUS FILL (STONE OR GRAVEL)		WOOD (FINISHED)
	CONCRETE		PLYWOOD
	CONCRETE MASONRY UNIT		BATT INSULATION
	BRICK		GYPSUM BOARD
	SAND, PLASTER, CEMENT, GROUT		RIGID INSULATION
	STEEL		STONE VENEER

ABBREVIATIONS

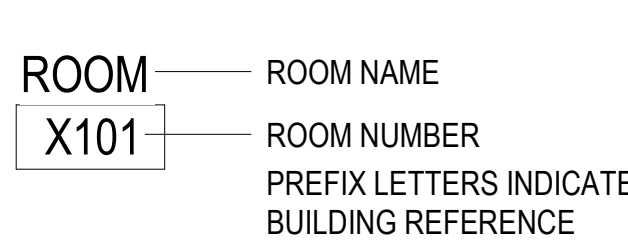
@	AT	MO	MASONRY OPENING
AFF	ABOVE FINISH FLOOR	NIC	NOT IN CONTRACT
ALUM	ALUMINUM	NOM	NOMINAL
ARCH	ARCHITECTURAL	NTS	NOT TO SCALE
BLKG	BLOCKING	OC	ON CENTER
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	OD	OUTSIDE DIAMETER
CJ	CONTROL JOINT	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
CL	CENTER LINE	OFOI	OWNER FURNISHED, OWNER INSTALLED
CLG	CEILING	OPNG	OPENING
CMU	CONCRETE MASONRY UNIT	OPP	OPPOSITE
CONC	CONCRETE	P	PAINT
CONT	CONTINUOUS	PL	PLATE, PROPERTY LINE
CTR	CENTER	PR	PAIR
DIA	DIAMETER	PREFIN	PREFINISHED
DS	DOWNSPOUT	R, RAD	RADIUS
DWG	DRAWING	RD	ROOF DRAIN
EA	EACH	REQD	REQUIRED
EJ	EXPANSION JOINT	RO	ROUGH OPENING
EL	ELEVATION	SF	SQUARE FEET
ELEC	ELECTRICAL	SIM	SIMILAR
ELEV	ELEVATOR	SPEC	SPECIFICATIONS
EQUIP	EQUIPMENT	STD	STANDARD
EW	ELECTRIC WATER COOLER	STR	STRUCTURAL
EXIST	EXISTING	SUSP	SUSPENDED
EXT	EXTERIOR	TBD	TO BE DETERMINED
FD	FLOOR DRAIN	TBS	TO BE SELECTED
FIN	FINISH	TOP	TO OF PLATE
FOF	FACE OF FINISH	TOS	TOP OF STEEL
FOS	FACE OF STUD	TYP	TYPICAL
FR	FIRE RETARDANT	UNO	UNLESS NOTED OTHERWISE
FV	FIELD VERIFY	VCT	VINYL COMPOSITION TILE
GA	GAUGE	VERT	VERTICAL
GYP BD	GYPSUM BOARD	W	WITH
HM	HOLLOW METAL	WC	WATER CLOSET
HORIZ	HORIZONTAL	WD	WOOD
HT	HEIGHT	WR	WATER RESISTANT
HVAC	HEATING VENTILATION AIR-CONDITIONING	WWF	WELDED WIRE FABRIC
ID	INSIDE DIAMETER		
INSUL	INSULATION		
JT	JOINT		
L	ANGLE		
LAV	LAVATORY		
MAX	MAXIMUM		
MECH	MECHANICAL		
MFR	MANUFACTURER		
MIN	MINIMUM		

ARCHITECTURAL SYMBOLS

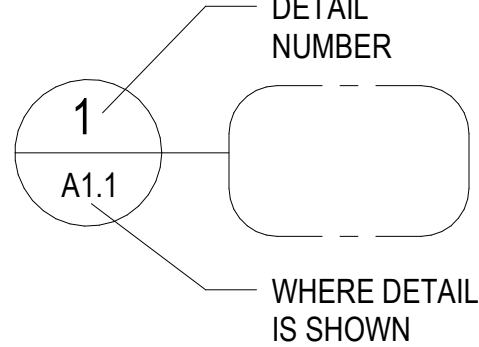
DRAWING TITLE REFERENCE



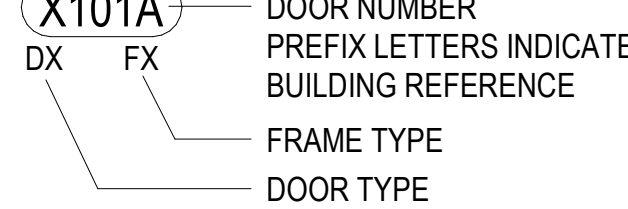
ROOM TAG REFERENCE



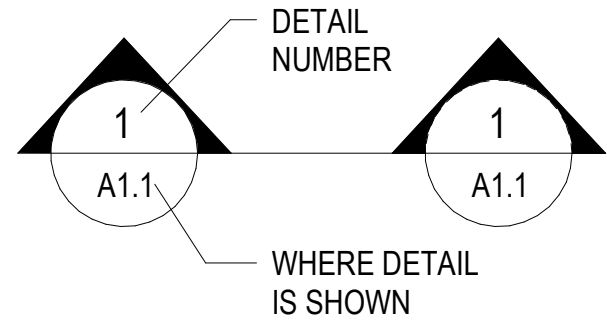
PLAN DETAIL REFERENCE



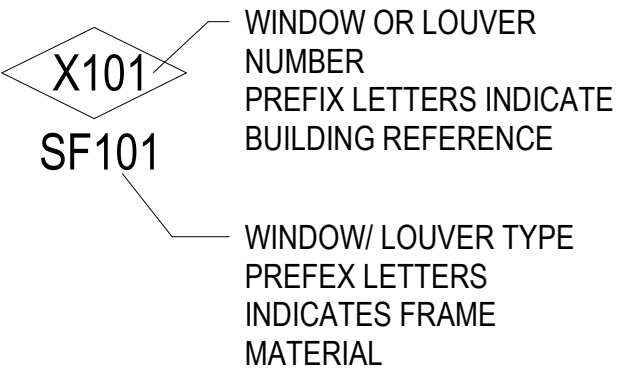
DOOR TAG REFERENCE



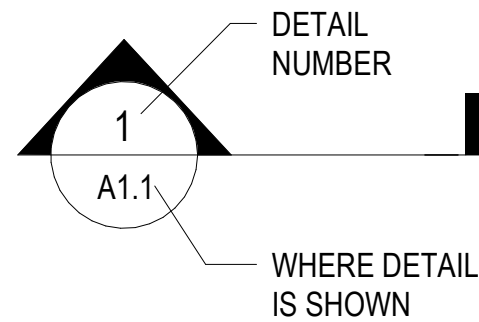
BUILDING SECTION REFERENCE



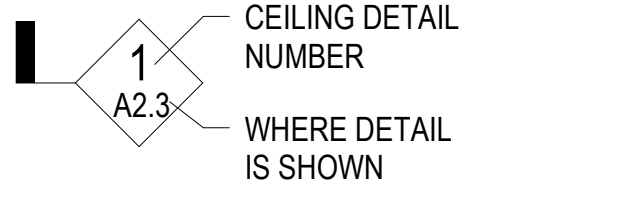
WINDOW / LOUVER TAG REFERENCE



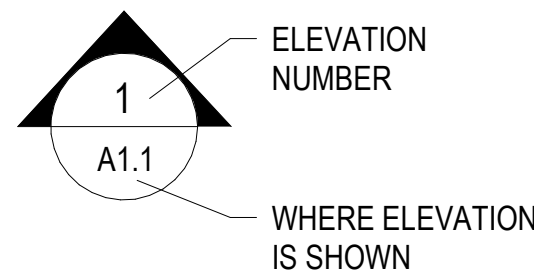
WALL SECTION REFERENCE



CEILING DETAIL REFERENCE



EXTERIOR ELEVATION REFERENCE



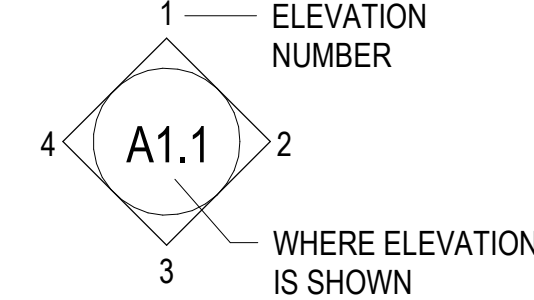
INTERIOR PARTITION TAG REFERENCE



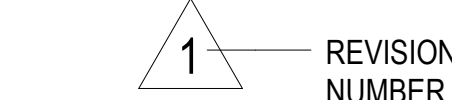
ASSEMBLY TAG REFERENCE



INTERIOR ELEVATION REFERENCE



REVISION CLOUD REFERENCE



ADA / ANSI 117.1 MANEUVERING CLEARANCES

GENERAL NOTES:
MANEUVERING CLEARANCES SHOWN BELOW ARE REQUIRED THROUGHOUT THE PROJECT.
PROVIDE DIMENSIONS AND CLEARANCES AT ALL DOORS. CONTRACTOR SHALL REVIEW FIELD LAYOUT AND CONFIRM THAT ALL OF THE APPROPRIATE CLEARANCES ARE PROVIDED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION. ANY REMEDIAL WORK THAT SHOULD HAVE BEEN AVOIDED BY BRINGING DISCREPANCIES TO THE ARCHITECT'S ATTENTION SHALL BE AT THE CONTRACTOR'S EXPENSE.

PASSAGE WITHOUT DOORS		CLEAR WIDTH AT DOORS OR PASSAGE WITHOUT DOORS	CIRCULAR TURNING SPACE
PULL SIDE	PUSH SIDE	TWO HINGED DOORS IN SERIES	
FRONT APPROACH	DOOR WITH LATCH ONLY	DOOR WITH LATCH AND CLOSER	
HINGE APPROACH	DOOR WITH LATCH ONLY	DOOR WITH LATCH AND CLOSER	
LATCH APPROACH	DOOR WITH LATCH ONLY	DOOR WITH LATCH AND CLOSER	
RECESSED DOORS AND GATES	DOOR WITH LATCH ONLY	DOOR WITH LATCH AND CLOSER	

APPLICABLE CODES

PROJECT DESIGNED IS IN ACCORDANCE WITH THE FOLLOWING CODES:
NOTE: ALL APPLICABLE CODES INCLUDE STATE OF SC MODIFICATIONS

1. INTERNATIONAL BUILDING CODE (IBC), 2021 EDITION
2. INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2021 EDITION
3. INTERNATIONAL PLUMBING CODE (IPC), 2021 EDITION
4. INTERNATIONAL MECHANICAL CODE (IMC), 2021 EDITION
5. INTERNATIONAL FUEL GAS CODE (IFGC), 2021 EDITION
6. INTERNATIONAL FIRE BUILDING CODE (IFC), 2021 EDITION
7. INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2009 EDITION
8. INTERNATIONAL ELECTRICAL CODE (NEC) [NFPA-70], 2020 EDITION
9. ICC / ANSI A117.1, SC BARRIER FREE BUILDING DESIGN STANDARD (REGULATION 19-400 AS ESTABLISHED BY SC LAW SECTION 10-5-210)

METHOD WORKS
ARCHITECTURE



Date	
Description	
No.	

AIKEN INTERMEDIATE - BUS
TRANSPORTATION OFFICE
AIKEN COUNTY PUBLIC SCHOOL
DISTRICT
101 GATOR LN, AIKEN, SC 29801

Project Number	M-25-119
Drawn By	KSR
Checked By	KSR
Date	09/21/26

LOCATION MAP,
SYMBOLS, APPLICABLE
CODES, INDEX OF
DRAWINGS

Drawing No.
G1.1

BUILDING AREA	
AREA LIMIT BY IBC TABLE 506.2 OF IBC	9000 SF (AREA LIMITATION PER STORY)
AREA INCREASES BY SECTION 506.2 AND 506.3 OF IBC EXPLANATION OF INCREASES: NOT REQUIRED	9000 SF (MAX MODIFIED AREA PER STORY)
AREA AS ALLOWED IN IBC PER STORY FIRST FLOOR	9000 SF (AREA PER STORY)
TOTAL ALLOWED AREA OF BUILDING	9000 SF
AREA AS DESIGNED PER STORY FIRST FLOOR	2545 SF
TOTAL DESIGNED AREA OF BUILDING	2545 SF

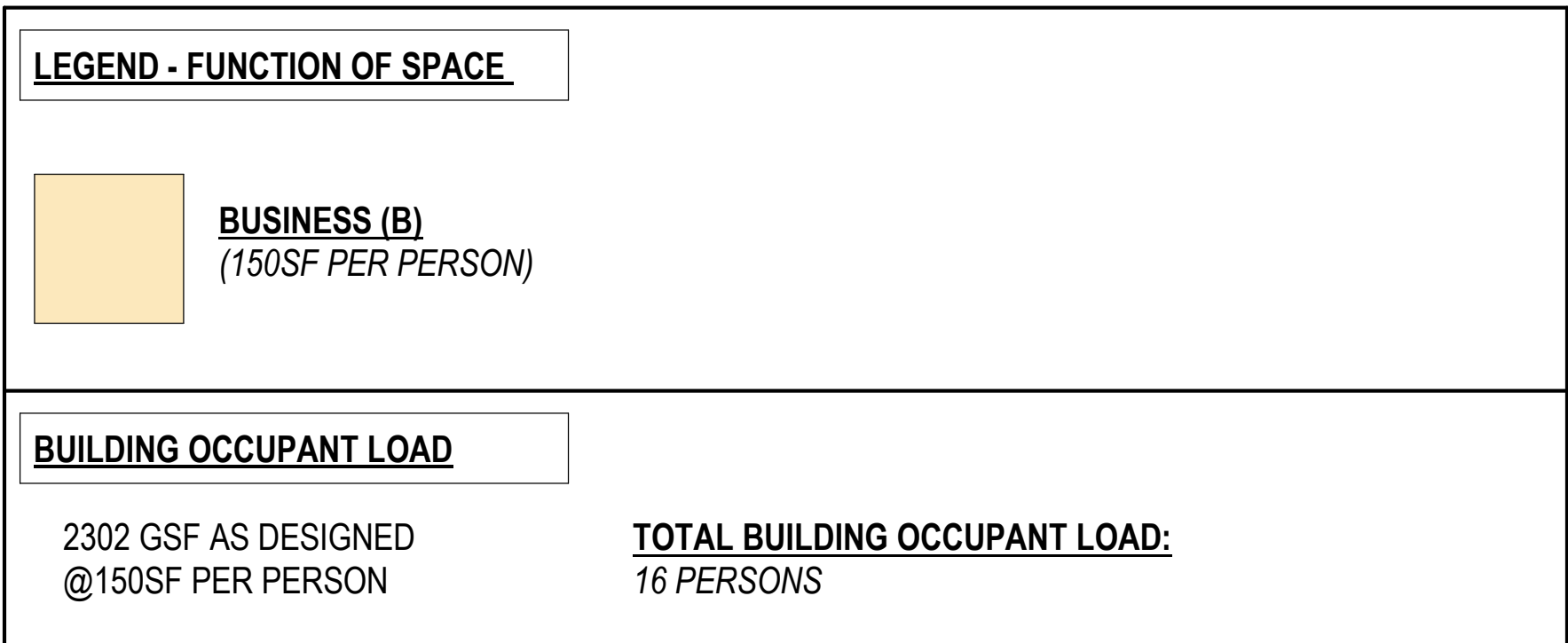
BUILDING HEIGHT ABOVE GRADE PLANE		B. CONSTRUCTION TYPE VB, NON-SPRINKLERED		
	AS DESIGNED	AS ALLOWED BY IBC		
	IN FEET	IN STORIES	IN FEET	IN STORIES
PER IBC TABLE 504.3	15.8 FT	N/A	40 FT	N/A
PER IBC 504.4	N/A	1	N/A	2
TOTAL HEIGHT INCLUDING ANY ALLOWABLE INCREASE	15.8 FT	1	40 FT	2

FIRE ALARM AND DETECTION		
FIRE ALARM SYSTEM REQUIRED	☐ YES ☒ NO	PER IFC SECTION 907
EMERGENCY ALARM SYSTEM REQUIRED	☐ YES ☒ NO	PER IFC SECTION 908

FIRE SUPPRESSION		
STANDPIPES REQUIRED	☐ YES ☒ NO	PER IFC SECTION 905
SPRINKLERS REQUIRED	☐ YES ☒ NO	PER IFC SECTION 903
SPRINKLERS PROVIDED	☐ YES ☒ NO	
PORTABLE EXTINGUISHERS REQUIRED	☒ YES ☐ NO	PER IFC 906
OTHER SUPPRESSION SYSTEMS REQUIRED	☐ YES ☒ NO	PER IFC 904
SMOKE AND HEAT VENTS REQUIRED	☐ YES ☒ NO	PER IFC 910

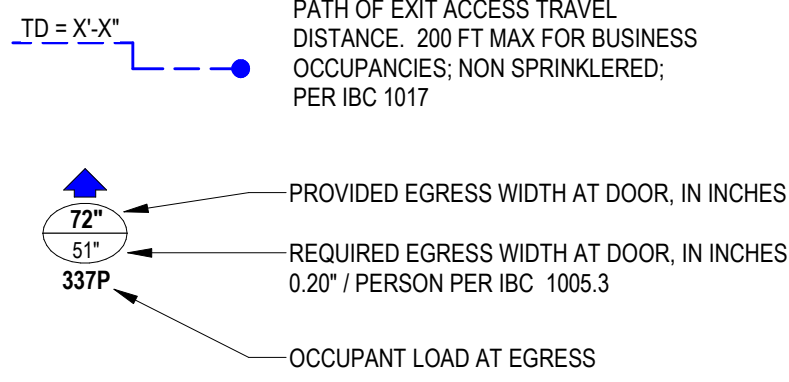
FIRE RESISTANCE RATING OF BUILDING ELEMENTS				
BUILDING ELEMENT	RATING AS REQUIRED (IN HOURS)	RATING AS DESIGNED (IN HOURS)	TESTING AGENCY AND DESIGN NO. (UL, FM, ETC)	DESIGNERS WALL/PARTITION KEY CODE
STRUCTURAL FRAME (PER IBC TABLE 601)	N/A			
BEARING WALLS	N/A			
EXTERIOR	N/A			
INTERIOR (PER IBC TABLE 601)				
NONBEARING WALLS AND PARTITIONS	N/A			
EXTERIOR	N/A			
INTERIOR (PER IBC TABLE 601 AND 602)				
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS (PER IBC TABLE 601)	N/A			
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS (PER IBC TABLE 601)	N/A			
FIRE WALLS (PER IBC SECTION 706)	N/A			
FIRE BARRIERS (PER IBC SECTION 707)	N/A			
SHAFT ENCLOSURES (PER IBC SECTION 713)	N/A			
FIRE PARTITIONS (PER IBC SECTION 708)	N/A			
OPENING AND PROTECTIVE LISTING BY CATEGORY (FIRE SHUTTERS, DOORS, ETC. PER IBC SECTION 716)	N/A			
OTHERS (AS REQUIRED BY DESIGNER)	N/A			

FLOOD MAP INFORMATION: FLOOD ZONE		X	COMMUNITY NUMBER:		450003
			PANEL NUMBER:		0354 E
IS THE PROJECT IN A 100-YEAR FLOOD PLAIN? ☒ NO ☐ YES					
BASE FLOOD ELEVATION		N/A	MSL		NGVD OR FIRM
DESIGN FLOOD ELEVATION		N/A	MSL		IBC 1612.3 AND ASCE 24
NON HIGH-VELOCITY WAVE ACTION					
ELEVATION OF LOWEST PROPOSED FLOOR		480.8	MSL		MEET ASCE 24 SECTION 2.6.2.1
FLOOR FLOODPROOFING		☒ NO ☐ YES			PER ASCE 24



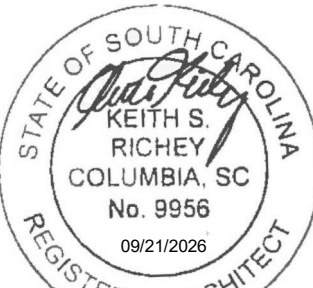
1 LIFE SAFETY FLOOR PLAN

	FIRE EXTINGUISHER CABINET, SEMI-RECESSED WITH FIRE EXTINGUISHER
	FIRE EXTINGUISHER, BRACKET MOUNTED
	EXIT LIGHT, CEILING MOUNTED/WALL MOUNTED



BUSINESS B		OCCUPANT LOAD = 16	
MINIMUM PLUMBING FIXTURES		PER IPC SECTION 403 AND TABLE 403.1	
REQUIRED	MALE REQUIRED / PROVIDED	FEMALE REQUIRED / PROVIDED	
WATER CLOSETS (WC)	1 / 3** (1 PER 25 FOR 1ST 50, 1 PER 50)	1 / 3** (1 PER 25 FOR 1ST 50, 1 PER 50)	
LAVATORIES (LAV)	1 / 2 (1 PER 40 FOR 1ST 80, 1 PER 80)	1 / 2 (1 PER 40 FOR 1ST 80, 1 PER 80)	
URINALS*	0 / 1		
OTHER FIXTURES	REQUIRED / PROVIDED	PER IPC SECTION 403 AND TABLE 403.1	
DRINKING FOUNTAINS	1 / 1 (H/L/O) (1 PER 100)		
UNisex TOILET	0 / 0		
SERVICE SINK	1 / 1		
BATHTUB OR SHOWER			
OTHERS			

* PER IPC 419.2, URINALS MAY SUBSTITUTE NO MORE THAN 67% OF REQUIRED WATER CLOSETS IN ASSEMBLY AND EDUCATIONAL OCCUPANCIES, & NO MORE THAN 50% OF REQUIRED WATER CLOSETS IN ALL OTHER OCCUPANCIES

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**AIKEN INTERMEDIATE - BUS
TRANSPORTATION OFFICE**

**AIKEN COUNTY PUBLIC SCHOOL
DISTRICT**

101 GATOR LN, AIKEN, SC 29801

Project Number	M-25-119
Drawn By	KSR
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Drawing Title:
**CODE REVIEW & LIFE
SAFETY PLAN**

Drawing No.

G2.1

GENERAL NOTES

A GENERAL REQUIREMENTS		D SCHEDULE, SUBMITTALS, & CONTINGENCY (CONTINUED)		G CUTTING AND PATCHING (CONTINUED)	
A.01. THE CONTRACT DOCUMENTS (ALL DRAWINGS, SPECIFICATIONS, APPROVED SUBMITTALS, AND ANY MODIFICATIONS TO THOSE DOCUMENTS) ARE AN EXHIBIT TO THE OWNER / CONTRACTOR AGREEMENT AND SERVE AS PART OF THE CONTRACT BETWEEN THE OWNER AND CONTRACTOR. IF THE OWNER / CONTRACTOR AGREEMENT CONFLICTS WITH THE CONTRACT DOCUMENTS, THE CONTRACT DOCUMENTS WILL SUPERSEDE THE OWNER / CONTRACTOR AGREEMENT UNLESS SPECIFICALLY NOTED AS A MODIFICATION TO THE CONTRACT DOCUMENTS IN THE OWNER / CONTRACTOR AGREEMENT. A.02. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PERFORMING THE WORK AS OUTLINED IN THE CONTRACT DOCUMENTS IN THEIR ENTIRETY. WHEN DRAWINGS ARE DISTRIBUTED TO SUB-CONTRACTORS, THEY MUST BE DISTRIBUTED IN THEIR ENTIRETY. A.03. ALL WORK PERFORMED BY THE GENERAL CONTRACTOR SHALL COMPLY WITH THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE AND ALL OTHER LAWS, CODES, ORDINANCES, AND REQUIREMENTS AS SPECIFIED BY ALL AUTHORITIES HAVING JURISDICTION OVER THE WORK. A.04. THE GENERAL CONTRACTOR SHALL BRING ALL DISCREPANCIES, ERRORS, AND OMISSIONS TO THE ARCHITECT'S ATTENTION IMMEDIATELY AND PRIOR TO PERFORMING THE WORK. THE ARCHITECT MUST ISSUE A CLARIFICATION BEFORE THE GENERAL CONTRACTOR PROCEEDS WITH THE WORK. A.05. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL TRADES REQUIRED TO PROPERLY COMPLETE THE WORK AS OUTLINED IN THE CONTRACT DOCUMENTS. A.06. ONLY THE APPROVED "CONSTRUCTION SET" ISSUANCE OF DRAWINGS AND SPECIFICATIONS INCORPORATING ALL REVISIONS AND CLARIFICATIONS DOCUMENTED PRIOR TO CONSTRUCTION SHALL BE USED DURING THE EXECUTION OF THE WORK. A.07. CLARIFICATIONS AND MODIFICATIONS TO THE CONTRACT DOCUMENTS MAY OCCUR DURING CONSTRUCTION. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL TRADES ARE WORKING FROM THE MOST CURRENT VERSION OF THE CONTRACT DOCUMENTS AT ANY GIVEN TIME. ANY WORK THAT IS EXECUTED AND CONFLICTING WITH THE CURRENT VERSION OF THE CONTRACT DOCUMENTS AT ANY GIVEN TIME WILL BE REQUIRED TO BE CORRECTED WITH NO CHANGE TO THE CONTRACT COST OR TIME AND IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. A.08. THE CONTRACTOR SHALL USE WRITTEN DIMENSIONS ONLY, OR AS DIRECTED BY THE ARCHITECT. THE CONTRACTOR SHALL NOT SCALE DRAWINGS. ANY WORK THAT IS EXECUTED USING SCALED DRAWINGS IS PERFORMED AT THE CONTRACTOR'S OWN RISK AND IS SUBJECT TO REVISIONS AS REQUIRED BY THE ARCHITECT. A.09. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK BETWEEN ALL ASSOCIATED SUB-CONTRACTORS RELATED TO EACH ELEMENT OF THE WORK, INCLUDING BUT NOT LIMITED TO, ABOVE CEILING COORDINATION, COORDINATING OPENINGS FOR MECHANICAL AND ELECTRICAL WORK, IN-WALL BLOCKING AND OTHER MISCELLANEOUS SUPPORT, AND GENERAL STRUCTURAL COORDINATION. A.10. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL OPENINGS FOR MECHANICAL AND ELECTRICAL EQUIPMENT WITH RESPECTIVE SUB-CONTRACTORS, AS WELL AS SHOP DRAWINGS REVIEWED BY THE ARCHITECT. A.11. THE CONTRACTOR SHALL VERIFY ALL ROUGH-IN DIMENSIONS FOR EQUIPMENT AND PROVIDE ALL BLOCKING AND BACKING REQUIRED TO PERFORM THE WORK. A.12. WHERE PIPING, CONDUIT, AND/OR DUCTS PASS THROUGH FIRE RATED WALLS, PROVIDE UL RATE PENETRATION DETAILS PERFORMED BY A CERTIFIED UL INSTALLER. A.13. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS AND AS REQUIRED TO PERFORM THE WORK. A.14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE WORK. A.15. CONTRACTOR INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION AND WITH SUFFICIENT NOTICE FOR THE ARCHITECT OR ENGINEER(S) TO REVIEW AND MAKE ADJUSTMENTS OR REMEDIES AND/OR REQUEST ALTERNATE SOLUTIONS AND/OR PRICING. THE CONTRACTOR SHALL ALLOW ADEQUATE TIME FOR SUCH REVIEWS AND WITHOUT URGENCY OR THREAT OF SCHEDULE MODIFICATION THAT MAY FORCE AN UNRESOLVED OR UNDER-REVIEWED SOLUTION. A.16. ALL WORK, WHETHER SHOWN OR IMPLIED, UNLESS SPECIFICALLY QUESTIONED SHALL BE CONSIDERED UNDERSTOOD IN ALL RESPECTS BY THE CONTRACTOR AND THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY MISINTERPRETATIONS OR CONSEQUENCES THEREOF. A.17. ALL WORK TO CONFORM TO THE ARCHITECT'S DRAWINGS AND SPECIFICATIONS AND SHALL BE NEW AND THE BEST QUALITY OF THE KIND SPECIFIED. ALL WORK TO COMPLY WITH APPLICABLE INDUSTRY AND MANUFACTURER STANDARDS, UNLESS MORE STRINGENT STANDARDS ARE NOTED. A.18. CONFLICTS BETWEEN THE MANUFACTURER'S INSTRUCTION AND ARCHITECTURAL DRAWINGS ARE TO BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR RESOLUTION PRIOR TO BIDDING AND PERFORMING THE WORK. A.19. THE SHEETS IN THIS SET ARE COMPLEMENTARY TO EACH OTHER; WHAT IS CALLED FOR BY ONE SHALL BE BINDING AS IF CALLED FOR BY ALL. ALL PARTIES INVOLVED SHALL BECOME FAMILIAR WITH ALL SHEETS OF DRAWINGS AND SPECIFICATIONS AND NOT SIMPLY THEIR OWN WORK, TO FULLY UNDERSTAND AND DEVELOP THE CONSTRUCTION. NO SETS SHALL BE BROKEN FOR DISTRIBUTION. A.20. THESE DRAWINGS HAVE BEEN PRODUCED AND CHECKED TO INSURE A REASONABLE DEGREE OF ACCURACY. HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL DIMENSIONS, DETAILS, AND REQUIREMENTS OF THESE DRAWINGS AND SPECIFICATIONS PRIOR TO BID SUBMISSION AND COMMENCING WORK. INFORMATION CONTAINED IN THESE DOCUMENTS IS BASED UPON FIELD MEASUREMENTS. DIMENSIONS MAY REQUIRE ADJUSTMENTS AND/OR MODIFICATIONS TO CONFORM WITH EXISTING FIELD CONDITIONS. IN NO CASE SHALL ANY ADJUSTMENT COMPRISE OR REDUCE THE QUALITY OF CONSTRUCTION OR THE PROJECT'S CONFORMANCE TO STATE, LOCAL, NATIONAL LAWS, CODES OR ORDINANCES. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, PRIOR TO PROCEEDING.		D.07. THE CONTRACTOR SHALL PROVIDE A LIST OF SUBMITTALS, AN ACTIVE SUBMITTAL LOG, AND DETAILED SUBMITTALS TO BE REVIEWED BY THE ARCHITECT AND ENGINEER(S). SUBMITTALS SHALL INCLUDE AND NOT BE LIMITED TO (AT A MINIMUM) THE FOLLOWING: ALL CONCRETE AND FLATWORK MIX AND REINFORCING AND FINISH, ALL STRUCTURAL STEEL, STRUCTURAL WOOD INCLUDING FLOOR AND ROOF SYSTEMS AND LOAD BEARING FRAMING MATERIALS, ALL FIRE RATED COMPONENTS, WINDOWS, DOORS, SKYLIGHTS, CURTAINWALL, STOREFRONT, INTERIOR GLASS PARTITIONS, EXTERIOR MATERIALS, INTERIOR AND EXTERIOR PAINTS AND FINISHES, SEALANTS, CABINETRY AND MILLWORK AND RELATED HARDWARE, COUNTERTOPS AND SURFACES, PLUMBING FIXTURES, LIGHTING FIXTURES, DOOR HARDWARE, BATHROOM AND SIMILAR ACCESSORIES, FLOORING MATERIAL(S), INSULATION, STAIR ASSEMBLIES AND ACCESSORIES, FIRE AND ALARM SYSTEM, ENTRY SYSTEM(S), BUILDING SIGNAGE WITH TEXT AND COLOR AND MATERIAL, SITE SIGNAGE, MONUMENT SIGNAGE, LANDSCAPE LIGHTING, IRRIGATION SYSTEM, PARKING AND SECURITY GATES AND ENCLOSURES, COMMUNICATION AND CONTROLS SYSTEM(S), HVAC & VENTILATION SYSTEM(S), FIRE SEALANTS, FIRE SEALANTS, FIRE DAMPERS, SITE ELEMENTS, SITE RETENTION AND STORMWATER COMPONENTS, LANDSCAPE PLANTERS, TREE GRATES, SILVA CELLS, PAVERS AND COBBLES AND LANDSCAPE SURFACES, DECORATIVE OR EXPOSED LANDSCAPE COVER MATERIALS, ENGINEERED SOILS, AND OTHERS AS NOTED BY THE ARCHITECT OR NOTED IN THE CONSTRUCTION DOCUMENTS. D.08. SUBMITTAL PROCESSING TIME: THE CONTRACTOR SHALL SCHEDULE AND ALLOW ENOUGH TIME FOR SUBMITTAL REVIEW, INCLUDING TIME FOR RESUBMITTALS, AS FOLLOWS. TIME FOR REVIEW SHALL COMMENCE ON ARCHITECT'S RECEIPT OF SUBMITTAL. NO EXTENSION OF THE CONTRACT TIME WILL BE AUTHORIZED BECAUSE OF FAILURE TO TRANSMIT SUBMITTALS ENOUGH IN ADVANCE OF THE WORK TO PERMIT PROCESSING, INCLUDING RESUBMITTALS. ALLOW 10 WORKING DAYS FOR INITIAL REVIEW OF EACH SUBMITTAL. ALLOW ADDITIONAL TIME IF COORDINATION WITH SUBSEQUENT SUBMITTALS IS REQUIRED. ARCHITECT WILL ADVISE CONTRACTOR WHEN A SUBMITTAL BEING PROCESSED MUST BE DELAYED FOR COORDINATION. ALLOW 5 WORKING DAYS FOR REVIEW OF EACH RESUBMITTAL. D.09. THE CONTRACTOR SHALL REVIEW EACH SUBMITTAL THOROUGHLY PRIOR TO SUBMITTAL TO THE ARCHITECT. THE CONTRACTOR SHALL HIGHLIGHT, ENCIRCLE, OR OTHERWISE SPECIFICALLY IDENTIFY DEVIATIONS FROM THE CONTRACT DOCUMENTS ON SUBMITTALS. CONTRACT DOCUMENT DEVIATIONS ON SUBMITTALS DO NOT CONSTITUTE A REQUEST FOR A CHANGE TO CONTRACT DOCUMENTS AND CONTRACT DOCUMENTS CANNOT BE REVISED BY THE SUBMITTAL PROCESS. D.10. ONLY SUBMITTALS APPROVED BY THE ARCHITECT OR ENGINEER SHALL BE USED FOR IMPLEMENTATION IN CONSTRUCTION. D.11. THE CONTRACTOR SHALL PROVIDE A LIST TO THE ARCHITECT OF ALL IN-HOUSE STAFF ASSIGNED TO THE PROJECT, SUBCONTRACTORS AND TRADES, SPECIALTY SUPPLIERS, TESTING AGENCIES, SPECIAL INSPECTIONS AGENT, AND SIMILAR WORKERS OR ENTITIES PROVIDING SERVICES TO THE PROJECT. D.12. CONFLICTING INSTRUCTION: SHOULD THE DRAWINGS OR CODE OR STANDARDS SPECIFIED ESTABLISH CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITIES, QUALITY, OR OTHER SPECIFICATION, THE CONTRACTOR SHALL COMPLY WITH THE MOST STRINGENT REQUIREMENT. D.13. CONTRACTOR SHALL PROVIDE ALL SIGNAGE REQUIRED BY CODE AND LOCAL ORDINANCES INCLUDING BUT NOT LIMITED TO ROOM SIGNAGE, WAYFINDING, AND BUILDING IDENTIFICATION SIGNAGE. SIGNAGE, WHERE REQUIRED, SHALL COMPLY WITH 2017 ANSI 117.1 ACCESSIBLE STANDARDS. D.14. NO MATERIAL SUBSTITUTION SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL. THE ARCHITECT WILL CONSIDER MATERIAL CHANGE REQUESTS ON AN INDIVIDUAL BASIS. CONTRACTOR SHALL SUBMIT SAMPLES AND MANUFACTURER'S DATA OF PROPOSED SUBSTITUTION AND SPECIFIED MATERIAL FOR CONSIDERATION ALONG WITH SIMILAR INFORMATION FOR SPECIFIED ITEMS SO THAT THE VARIANCES WILL BE APPARENT. APPROVAL IS REQUIRED BY THE ARCHITECT PRIOR TO THE START OF ANY WORK OF THAT TRADE.		G.06. OPERATIONAL ELEMENTS: DO NOT CUT AND PATCH OPERATING ELEMENTS AND RELATED COMPONENTS IN A MANNER THAT RESULTS IN REDUCING THEIR CAPACITY TO PERFORM AS INTENDED OR THAT RESULTS IN INCREASED MAINTENANCE OR DECREASED OPERATIONAL LIFE OR SAFETY. OPERATING ELEMENTS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: PRIMARY OPERATIONAL SYSTEMS AND EQUIPMENT, AIR OR SMOKE BARRIERS, FIRE-SUPPRESSION SYSTEMS, MECHANICAL SYSTEMS PIPING AND DUCTS, CONTROL SYSTEMS, COMMUNICATION SYSTEMS, CONVEYING SYSTEMS, ELECTRICAL WIRING SYSTEMS. G.07. MISCELLANEOUS ELEMENTS: DO NOT CUT AND PATCH MISCELLANEOUS ELEMENTS OR RELATED COMPONENTS IN A MANNER THAT COULD CHANGE THEIR LOAD-CARRYING CAPACITY, THAT RESULTS IN REDUCING THEIR CAPACITY TO PERFORM AS INTENDED, OR THAT RESULTS IN INCREASED MAINTENANCE OR DECREASED OPERATIONAL LIFE OR SAFETY. MISCELLANEOUS ELEMENTS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: WATER, MOISTURE, OR VAPOR BARRIERS, MEMBRANES AND FLASHINGS, EXTERIOR CURTAIN-WALL CONSTRUCTION, EQUIPMENT SUPPORTS, PIPING, DUCTWORK, VESSELS, AND EQUIPMENT, NOISE- AND VIBRATION-CONTROL ELEMENTS AND SYSTEMS, VISUAL REQUIREMENTS: DO NOT CUT AND PATCH CONSTRUCTION IN A MANNER THAT RESULTS IN VISUAL EVIDENCE OF CUTTING AND PATCHING. DO NOT CUT AND PATCH CONSTRUCTION EXPOSED ON THE EXTERIOR OR IN OCCUPIED SPACES IN A MANNER THAT WOULD, IN ARCHITECT'S OPINION, REDUCE THE BUILDING'S AESTHETIC QUALITIES. REMOVE AND REPLACE CONSTRUCTION THAT HAS BEEN CUT AND PATCHED IN A VISUALLY UNSATISFACTORY MANNER. G.08. CUTTING AND PATCHING CONFERENCE: BEFORE PROCEEDING, MEET AT PROJECT SITE WITH PARTIES INVOLVED IN CUTTING AND PATCHING, INCLUDING MECHANICAL AND ELECTRICAL TRADES. REVIEW AREAS OF POTENTIAL INTERFERENCE AND CONFLICT. COORDINATE PROCEDURES AND RESOLVE POTENTIAL CONFLICTS BEFORE PROCEEDING. G.09. EXISTING WARRANTIES: REMOVE, REPLACE, PATCH, AND REPAIR MATERIALS AND SURFACES CUT OR DAMAGED DURING CUTTING AND PATCHING OPERATIONS, BY METHODS AND WITH MATERIALS SO AS NOT TO VOID EXISTING WARRANTIES. G.10. IN-PLACE MATERIALS: USE MATERIALS IDENTICAL TO IN-PLACE MATERIALS. FOR EXPOSED SURFACES, USE MATERIALS THAT VISUALLY MATCH IN-PLACE ADJACENT SURFACES TO THE FULLEST EXTENT POSSIBLE. IF IDENTICAL MATERIALS ARE UNAVAILABLE OR CANNOT BE USED, USE MATERIALS THAT, WHEN INSTALLED, WILL MATCH THE VISUAL AND FUNCTIONAL PERFORMANCE OF IN-PLACE MATERIALS. EXAMINE SURFACES TO BE CUT AND PATCHED AND CONDITIONS UNDER WHICH CUTTING AND PATCHING ARE TO BE PERFORMED. G.11. COMPATIBILITY: BEFORE PATCHING, VERIFY COMPATIBILITY WITH AND SUITABILITY OF SUBSTRATES, INCLUDING COMPATIBILITY WITH IN-PLACE FINISHES OR PRIMERS. G.12. GENERAL: EMPLOY SKILLED WORKERS TO PERFORM CUTTING AND PATCHING. PROCEED WITH CUTTING AND PATCHING AT THE EARLIEST FEASIBLE TIME, AND COMPLETE WITHOUT DELAY. G.13. CUT IN-PLACE CONSTRUCTION TO PROVIDE FOR INSTALLATION OF OTHER COMPONENTS OR PERFORMANCE OF OTHER CONSTRUCTION, AND SUBSEQUENTLY PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION. G.14. CUTTING: CUT IN-PLACE CONSTRUCTION BY SAWING, DRILLING, BREAKING, CHIPPING, GRINDING, AND SIMILAR OPERATIONS, INCLUDING EXCAVATION, USING METHODS LEAST LIKELY TO DAMAGE ELEMENTS RETAINED OR ADJOINING CONSTRUCTION. IF POSSIBLE, REVIEW PROPOSED PROCEDURES WITH ORIGINAL INSTALLER, COMPLY WITH ORIGINAL INSTALLER'S WRITTEN RECOMMENDATIONS. G.15. IN GENERAL, USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING AND GRINDING, NOT HAMMERING AND CHOPPING. CUT HOLES AND SLOTS AS SMALL AS POSSIBLE, NEATLY TO SIZE REQUIRED, AND WITH MINIMUM DISTURBANCE OF ADJACENT SURFACES. TEMPORARILY COVER OPENINGS WHEN NOT IN USE. FINISHED SURFACES: CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES. CONCRETE OR MASONRY: CUT USING A CUTTING MACHINE, SUCH AS AN ABRASIVE SAW OR A DIAMOND-CORE DRILL. G.16. EXCAVATING AND BACKFILLING: COMPLY WITH REQUIREMENTS IN APPLICABLE DIVISION 31 SECTIONS WHERE REQUIRED BY CUTTING AND PATCHING OPERATIONS. G.17. MECHANICAL AND ELECTRICAL SERVICES: CUT OFF PIPE OR CONDUIT IN WALLS OR PARTITIONS TO BE REMOVED. CAP, VALVE, OR PLUG AND SEAL REMAINING PORTION OF PIPE OR CONDUIT TO PREVENT ENTRANCE OF MOISTURE OR OTHER FOREIGN MATTER AFTER CUTTING. G.18. PATCHING: PATCH CONSTRUCTION BY FILLING, REPAIRING, REFINISHING, CLOSING UP, AND SIMILAR OPERATIONS FOLLOWING PERFORMANCE OF	

GENERAL NOTES

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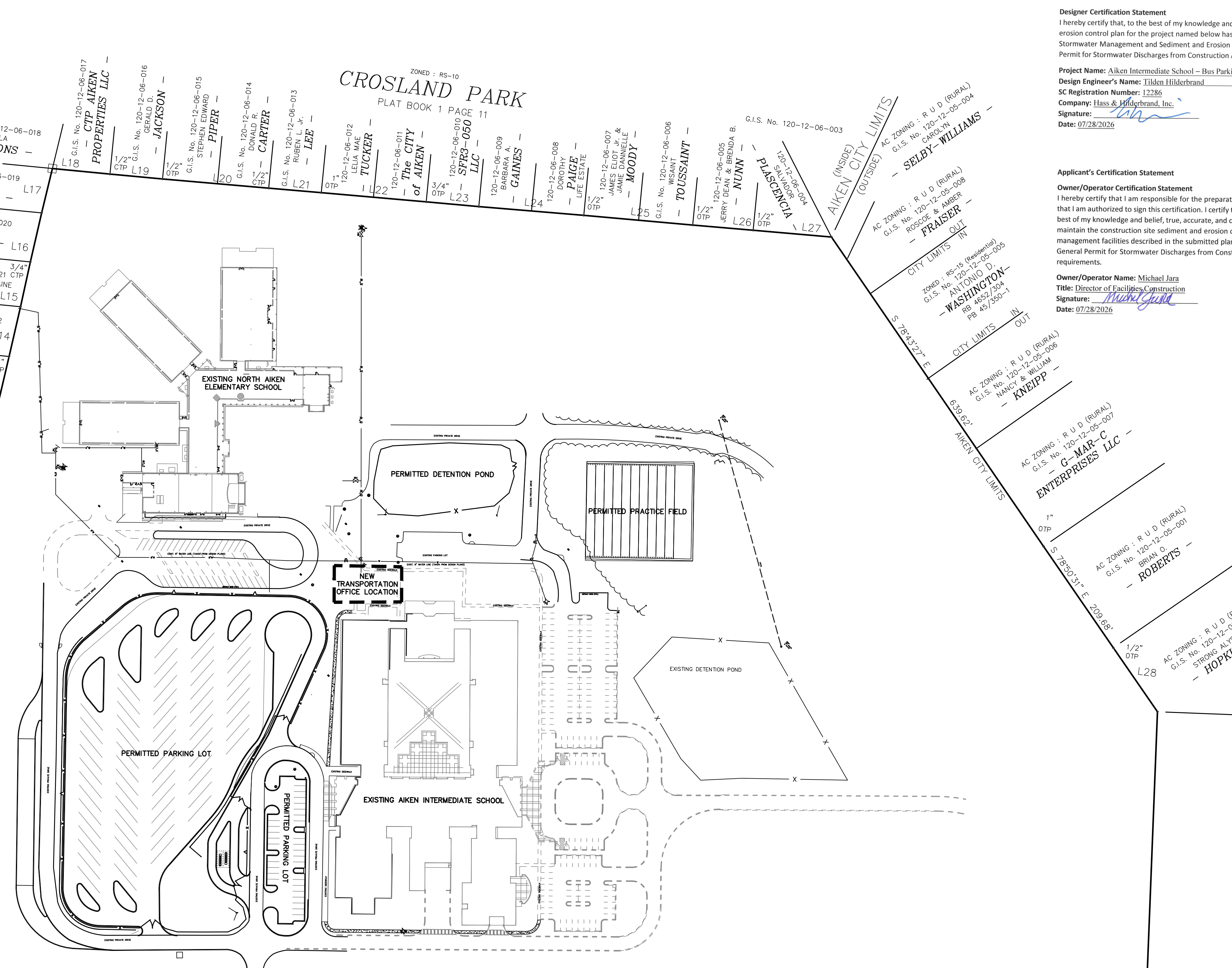
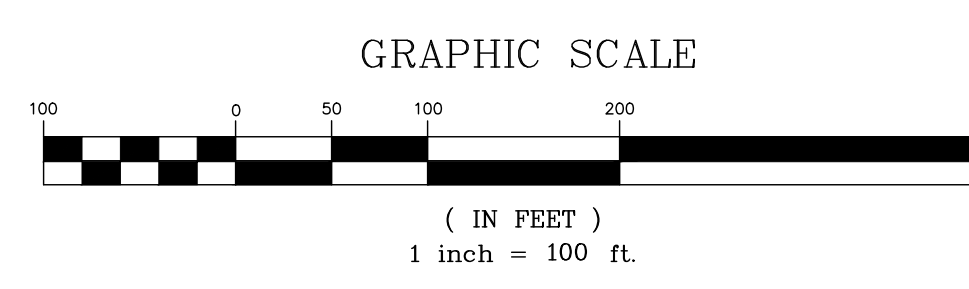
SITE DATA	
PARCEL AREA	= 60.00 ACRES
IMPERVIOUS AREA BEFORE	= 20.89 AC. (34.81%)
IMPERVIOUS AREA AFTER	= 20.94 AC. (34.91%)
G.I.S. No.	= 120-12-05-003
ZONING	= P 1 (Planned Institutional)
NO NEW PARKING REQUIRED	= 2544 SF
BUILDING AREA	= 0.20 AC.(Project Area)
DISTURBED AREA	= 0.06 AC. (30% Project Area)
IMPERVIOUS AREA	= NONE SPECIFIED IN P 1
SETBACKS	

CROSLAND PARK
PLAT BOOK 1 PAGE 11
ZONED : RS-10

JAWS LANE
P - 955
ZONED : PR (Planned Residential)
G.I.S. No. 120-16-04-013
HOUSING CONSULTANTS, Inc.
RB 4347/83
PB 55/742

MEADOW BROOKS
ACRES APARTMENTS, LLC
RB 4347/89
PB 55/742

WIRE ROAD S2 - 29 * 66' R/W



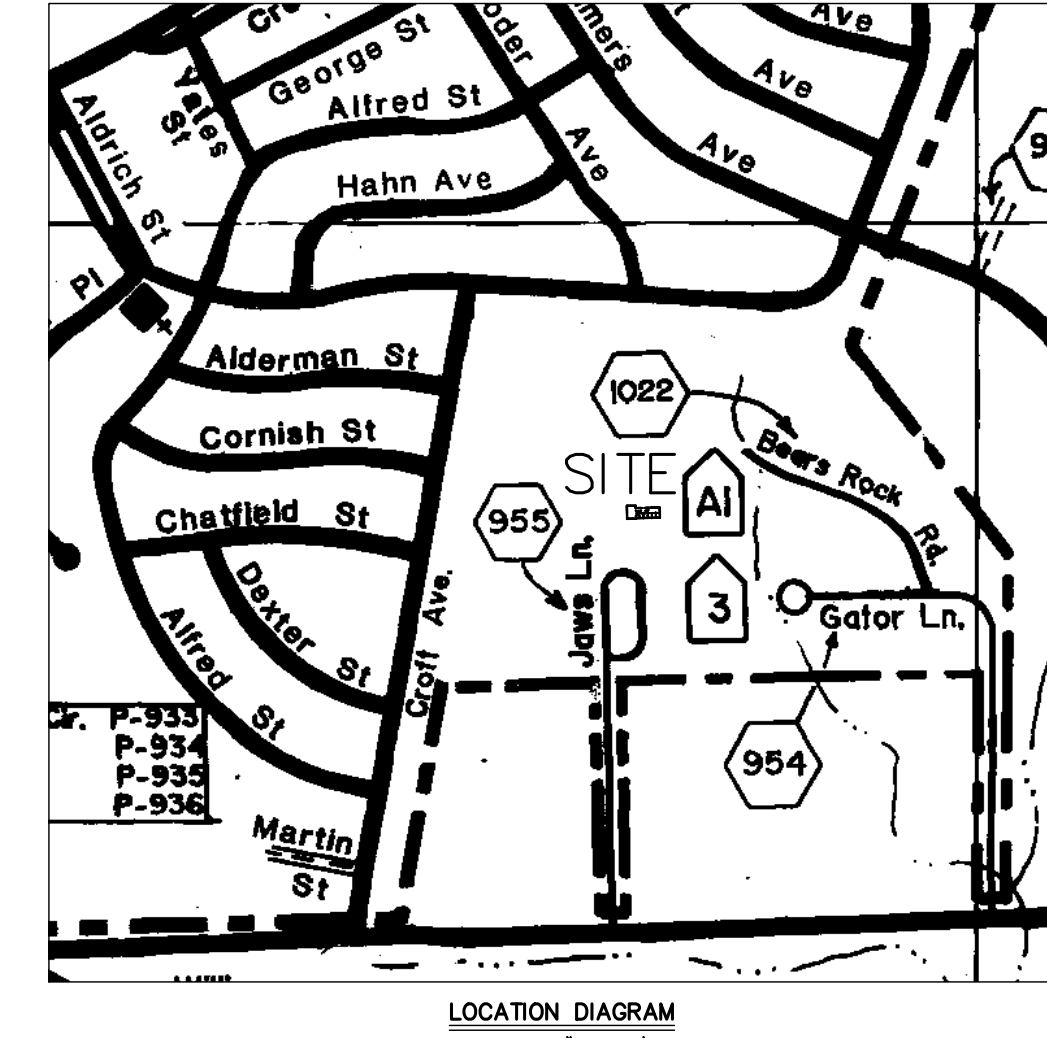
WIRE ROAD S2 - 29 * 66' R/W

Designer Certification Statement
I hereby certify that, to the best of my knowledge and belief, the stormwater management and sediment and erosion control plan for the project named below has been prepared in accordance with the City of Aiken Stormwater Management and Sediment and Erosion Control Design Manual, the SC DHEC NPDES General Permit for Stormwater Discharges from Construction Activities (SCR100000), and sound engineering practices.

Project Name: Aiken Intermediate School - Bus Parking Lot
Design Engineer's Name: Tilden Hilderbrand
SC Registration Number: 12286
Company: Hass & Hilderbrand, Inc.
Signature: [Signature]
Date: 07/28/2026

Applicant's Certification Statement
Owner/Operator Certification Statement
I hereby certify that I am responsible for the preparation of this application and supporting information and that I am authorized to sign this certification. I certify that the information contained in this submittal is, to the best of my knowledge and belief, true, accurate, and complete. I acknowledge responsibility to implement and maintain the construction site sediment and erosion control measures and permanent stormwater management facilities described in the submitted plans and specifications in accordance with the SC DHEC General Permit for Stormwater Discharges from Construction Activities (SCR100000) and the City of Aiken requirements.

Owner/Operator Name: Michael Jara
Title: Director of Facilities Construction
Signature: [Signature]
Date: 07/28/2026



Applicant's Certification
"I (we) hereby certify that all clearing, grading, construction, and/or development will be done pursuant to this plan, and I (we) are responsible for the land disturbance and related maintenance thereof. The City of Aiken authorities will be allowed to enter the project site for the purpose of on-site inspections."
Date: 7-28-2026
Owner/Person Financially Responsible: [Signature]
Designer's Certification
"I hereby certify that this plan is designed to contain soil on the property concerned to the maximum extent, to provide for the protection of the property and the proposed improvements therefrom from the effects of flooding, to provide for the control of the runoff from the property, and that all the provisions for sediment control and storm drainage are in accordance with the Stormwater Quantity and Quality Management Requirements for New and Redevelopment Ordinance for the City of Aiken, South Carolina."
Date: 7-28-26
Designer's Signature and Certification: [Signature]

SHEET INDEX	
SHEET NO.	TITLE
1	COVER SHEET
2	SITE PLAN
3	SITE WORK DETAILS

SITE UTILITIES

ELECTRIC	CABLE/INTERNET
Dominion Energy Gary Hinton 106 Langley Pond Road Warrenville, SC 29851 803-645-8207 gary.hinton@dominionenergy.com	Breezeline Michael Gorrell P.O. Box 151 Aiken, SC 29802 803-648-8361 mgorrell@breezeline.com
WATER & SEWER	GAS
City of Aiken Ryan Sheridan 245 Dupont Drive, NW Aiken, SC 29801 803-642-7610 rsheridan@cityofaikensc.gov After hours emergency 803-642-7620	Dominion Energy Sherald Rodgers 106 Langley Pond Road Warrenville, SC 29851 803-642-6275 sherald.rodgers@dominionenergy.com

TELEPHONE

AT&T
Michael Bodie
324 Marlboro Street, NE
Aiken, SC 29801
803-648-0795
mb0029@att.com

CITY OF AIKEN PLANNING

SITE PLAN REVIEW
Richard Cowick, Planner
111 Chesterfield Street
Aiken, SC 29801
803-642-7608
RCOWICK@cityofaikensc.gov

PLANNING DIRECTOR
Marya Moultrie, Planning Director
111 Chesterfield Street, S
Aiken, SC 29801
803-642-7608
MMoultrie@cityofaikensc.gov

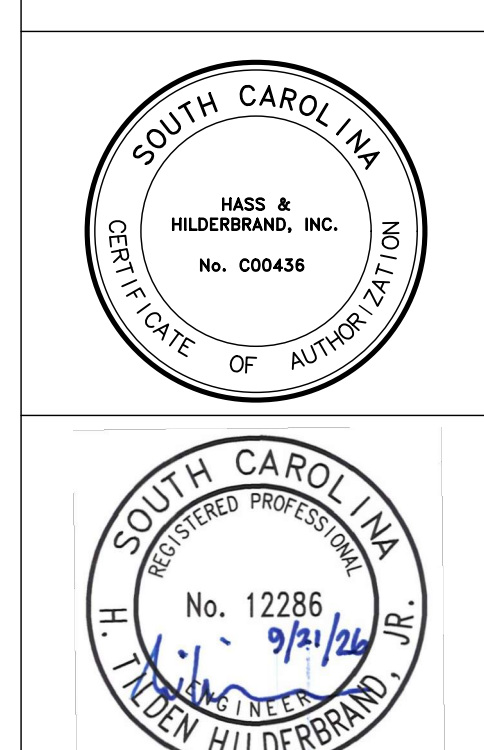
ENGINEERING
City of Aiken
Ryan Sheridan
245 Dupont Drive, NW
Aiken, SC 29801
803-642-7610
rsheridan@cityofaikensc.gov

MS4
City of Aiken - Stormwater
Tracy Mitchell
245 Dupont Drive, NW
Aiken, SC 29801
stormwater@cityofaikensc.gov
803-642-7715

I have placed my signature and seal on the design documents submitted signifying that I accept responsibility for the design of the system. Further, I certify to the best of my knowledge and belief that the design is consistent with the requirements of Title 48, Chapter 14 of the Code of Laws of South Carolina, 1976 as amended, pursuant to Regulation 72-300 et. seq. (if applicable), and in accordance with the terms and conditions of SCR100000.

CIVIL PREPARED BY:
HASS & HILDEBRAND, Inc.
POST OFFICE BOX 3276
133 GREENVILLE STREET, SW
AIKEN, S.C. 29802 (803) 649-1316

METHOD WORKS ARCHITECTURE
807 Gervais St.
Suite 302
Columbia, SC 29201
www.themethodworks.com



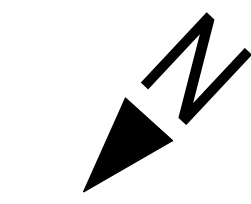
No.	Description	Date
1	REVISED PER CITY OF AIKEN COMMENTS	7/28/26

AIKEN INTERMEDIATE - BUS TRANSPORTATION OFFICE
AIKEN COUNTY PUBLIC SCHOOL DISTRICT
101 GATOR LN, AIKEN, SC 29801

Project Number	M-25-119
Drawn By	SLB
Checked By	HTH
Date	08-28-2026

COVER SHEET

Drawing No.
C1.1



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**AIKEN INTERMEDIATE - BUS
TRANSPORTATION OFFICE**

**AIKEN COUNTY PUBLIC SCHOOL
DISTRICT**

101 GATOR LN, AIKEN, SC 29801

Project Number	M-25-119
Drawn By	KSR
Checked By	KSR
Date	09.21.26

Drawing Title.

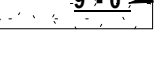
ARCHITECTURAL SITE PLAN

Drawing No.

AS1.0

GENERAL NOTES - REFLECTED CLG. PLAN

A.	STRUCTURAL GRID IS NOT SHOWN ON REFLECTED CEILING PLAN FOR DRAWING CLARITY. SEE DIMENSION PLAN FOR STRUCTURED GRID.
B.	SEE FINISH SCHEDULE FOR CEILING SYSTEM AND FINISH.
C.	ACOUSTICAL CEILING GRID SHALL COMPLY WITH THE REQUIREMENTS OF CATEGORY 3 SOUND ATTENATION COEFFICIENTS.
D.	ALL SUSPENDED ACOUSTICAL CEILING GRIDS SHALL BE CENTERED IN THE CEILING / ROOM, UNLESS NOTED OTHERWISE.
E.	SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR FULL SCOPE OF CEILING AND WALL MOUNTED DEVICES.
F.	LIGHT FIXTURES AND OTHER DEVICES SHALL BE MOUNTED WITH RESPECT TO SUBMITTAL PHOTOGRAPH OF GRID AS SHOWN.
G.	AT ACoustical CEILING PANEL, CEILINGS. LOCATE CEILING MOUNTED DEVICES AND SPRINKLER HEADS 12" FROM ADJACENT CEILING GRID CORNERS, UNLESS OTHERWISE INDICATED.
H.	GENERAL CONTRACTOR SHALL COORDINATE ALL REFLECTED CEILING PLANS, INCLUDING FLOORS, FIXTURES AND GRILLS WITH CEILING JOINT LINES. INDICATED LOCATIONS OF ALL COMPONENTS ARE APPROXIMATE AND MUST BE COORDINATED WITH ALL SUBCONTRACTORS DURING SUBMITTALS PRIOR TO INSTALLATION. ANY MODIFICATIONS TO LOCATIONS MUST BE APPROVED BY ARCHITECT.
J.	GENERAL CONTRACTOR SHALL COORDINATE UTILITY SYSTEM PIPING, DOWNGRASS, CONDUIT, EQUIPMENT, DEVICES, ETC. WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND REVISING SECTIONS. PREPARE COORDINATION DRAWINGS OF ALL SYSTEMS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION OF SYSTEM COMPONENTS OR CEILING. INDICATED SPACES ARE AVAILABLE AND INDICATES MAXIMUM UTILIZATION OF SPACE. INDICATED LOCATIONS OF ALL COMPONENTS ARE APPROXIMATE AND MUST BE COORDINATED WITH ALL SUBCONTRACTORS DURING SUBMITTALS PRIOR TO INSTALLATION. ANY MODIFICATIONS TO LOCATIONS INDICATED MUST BE APPROVED BY ARCHITECT.
K.	GENERAL CONTRACTOR SHALL COORDINATE AT MECHANICAL AND ELECTRICAL ROOMS FINAL FIRE PROTECTION SPRINKLER LAAYOUT WITH EQUIPMENT, DUCTWORK AND PIPING. SEE FF DRAWINGS FOR FIRE PROTECTION SPRINKLER LAAYOUT. COORDINATE ROUTING OF ALL PIPING WITH ARCHITECTURAL DRAWINGS AND DETAILS, AS WELL AS OTHER SYSTEM DRAWINGS. PIPING SHALL BE CONCEALED WITHIN WALKOUTS AND PRIOR TO INSTALLATION OF DOWN GULLY PIPING. SUBMIT LAAYOUTCOORDINATION DRAWING FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
M.	AT FELLOWSHIP HALL, EXPOSED STRUCTURE (ACOUSTICAL DECOR) NOT INCLUDES CEILING, CONDUIT, AND HVAC EQUIPMENT TO BE PAINTED TO MATCH CEILING COLOR AS INDICATED ON FINISH SCHEDULE.
N.	THE EXPOSED ACOUSTICAL DECORATION AT FELLOWSHIP HALL SHALL BE PREFINISHED.

- | | |
|---|---|
|  | <p>GYPSUM BD CEILING
INDICATES CEILING HEIGHT FROM FLOOR LEVEL</p> |
|  | <p>SUPPLY GRILLE
SEE MECHANICAL DRAWINGS</p> |
|  | <p>RETURN GRILLE
SEE MECHANICAL DRAWINGS</p> |
|  | <p>EXHAUST GRILLE,
SEE MECHANICAL DRAWINGS</p> |
|  | <p>1' x 4' FLUSH LIGHT FIXTURE,
SEE ELECTRICAL DRAWINGS</p> |
|  | <p>RECESSED LIGHT FIXTURE
SEE ELECTRICAL DRAWINGS</p> |
|  | <p>EXIT SIGN - WALL OR CEILING MOUNTED,
SEE ELECTRICAL DRAWINGS</p> |

B.	COORDINATE WITH PLAN AND ELEVATION DRAWINGS FOR LOCATION OF DOWNSPUTS.
C.	COORDINATE WITH PLUMBING FOR PIPING PENETRATIONS ON ROOF.
D.	COORDINATE WITH MECHANICAL AND STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT SUPPORTED BY ROOF STRUCTURE.
E.	INSTALL SELF-ADHERING HIGH TEMPERATURE WATER SHIELD AT THE FOLLOWING LOCATIONS:
1.	EAVES: FROM EDGE OF EAVE, EXTEND 36" BEYOND THE INTERIOR FACE OF EXTERIOR WALL.
2.	RACKS: FROM EDGE OF RACK, EXTEND 36" BEYOND THE INTERIOR FACE OF EXTERIOR WALL.
3.	VALLEYS: FROM THE LOWEST POINT, 36" BEYOND 18" ON EACH SIDE.
4.	HIPS: EXTEND 18" ON EACH SIDE.
5.	RIDGES: EXTEND 36" ON EACH SIDE.
6.	SIDEWALLS: FROM THE SIDEWALL, EXTEND 18" AND RETURN VERTICALLY AGAINST SIDEWALL NOT LESS THAN 4".
7.	ROOF PENETRATING ELEMENTS: EXTEND 18" BEYOND ELEMENT AND RETURN VERTICALLY AGAINST ELEMENT NOT LESS THAN 4".
8.	AT ALL AREAS OF THE ROOF THAT ARE SLOPE 2:12 PROVIDE 2 CONTINUOUS LAYERS OF HIGH TEMPERATURE WATER SHIELD THE FULL ROOF DECK AREA AS DIRECTED BY METAL ROOFING MANUFACTURER.

--- LINE OF WALL BELOW

DS DOWNSPOUT WITH FIELD PAINTED CAST IRON BOOT

- LINE OF WALL BELOW
- DS DOWNSPOUT WITH FIELD PAINTED CAST IRON BOOT

[illegible]



WALL CORE MATERIAL:
S = STUD FRAMING, METAL
M = STUD FRAMING, WOOD
W = MASONRY, CMU
C = CONCRETE

INTERIOR PARTITION TYPE (A, B, C, E, C, J)

CORE MATERIAL SIZE
3 = 2X4 (3 1/2") STUDS
6 = 2X6 (5 1/2") STUDS

Sx-xx

BLACK TRIANGLE AT END OF PARTITION
DESIGNATION INDICATES ACOUSTICAL
BARRIER BETWEEN STUDS

A. INTERIOR PARTITIONS ARE DIMENSIONED TO FACE OF PARTITION ASSEMBLY (NOT TO FACE OF STUD OR FACE OF APPLIED FINISH - I.E. TILE).

B. **MINIMUM REQUIREMENTS FOR CONSTRUCTION FOR NON-LOAD BEARING STUD FRAMED WALLS**

3. 5/8" THICK GYPSUM BOARD THROUGHOUT

C. **IN LIEU OF 5/8" GYPSUM BOARD, USE THE FOLLOWING MATERIALS FOR THE LISTED CONDITIONS**

1. **5/8" MOISTURE RESIST GYPSUM BOARD**

a) WITHIN 2 FEET HORIZONTALLY & 4 FEET VERTICALLY OF FLOOR SINKS.

b) AT RESTROOM AND BATHROOM SIDE(S) OF WALLS NOT SCHEDULED TO RECEIVE TILE.

2. **5/8" CEMENTITIOUS BACKER BOARD**

a) PROVIDE AT WALLS SCHEDULED TO RECEIVE A TILE FINISH EXCEPT WHERE WATER RESISTANT GYPSUM BACKER BOARD IS SPECIFICALLY INDICATED TO BE PROVIDED BELOW

D. UNLESS NOTED OTHERWISE, USE ACOUSTICAL SEALANT WHERE SEALANT IS INDICATED AT TOP & BOTTOM OF GYPSUM BOARD OR PRECAST WALL.

E. CEILINGS, FLOOR AND WALL BASE ARE NOT SHOWN FOR CLARITY. REFER TO FINISH SCHEDULE.

F. AT CHASE WALLS, NO GYPSUM BOARD ON SIDE OF WALL FACING INTERIOR OF CHASE

INTERIOR PARTITIONS SCHEDULE - SA						
TYPE	WALL WIDTH	STUD OR MASONRY SIZE	WALL SIDE 2		WALL SIDE 1	
			LAYER	MATERIAL	LAYER	MATERIAL
SA-30	4 3/4"	3 1/2"	1	5/8" GYP. BD.	1	5/8" GYP. BD.
SA-60	6 3/4"	5.5"	1	5/8" GYP. BD.	1	5/8" GYP. BD.



MW **METHOD WORKS**
ARCHITECTURE

807 Gervais St.
Suite 302
Columbia, SC 29201
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**AIKEN INTERMEDIATE - BUS
TRANSPORTATION OFFICE**

**AIKEN COUNTY PUBLIC SCHOOL
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101 GATOR LN. AIKEN, SC 29801

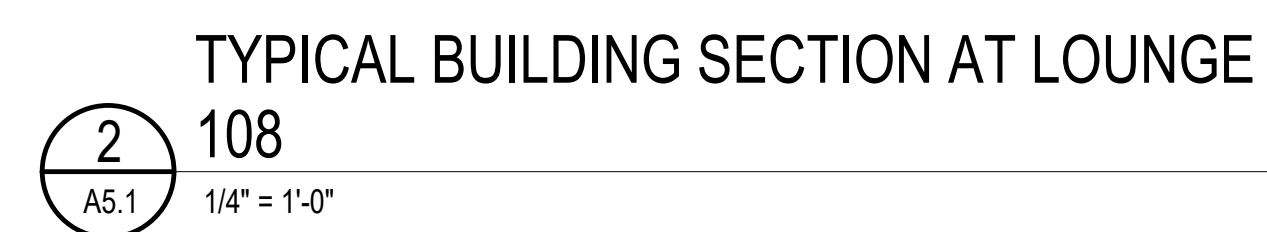
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Drawn By	KSR
Checked By	KSR
Date	09.21.26

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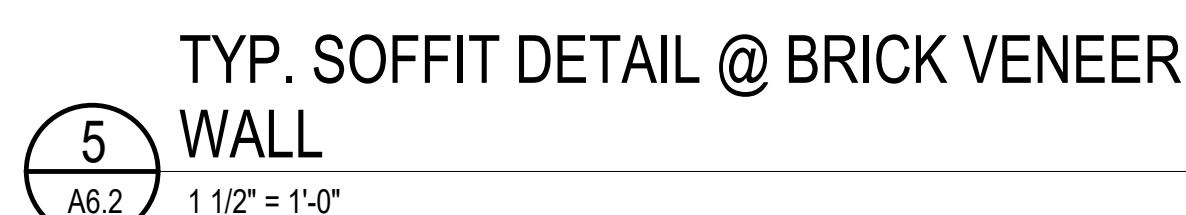
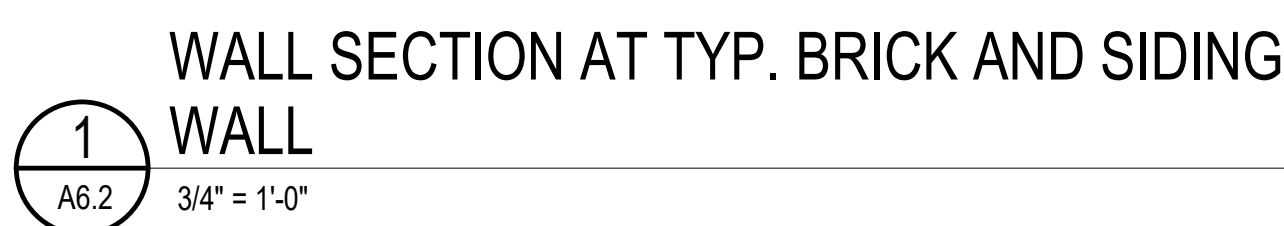
BUILDING ELEVATIONS

Drawing No.

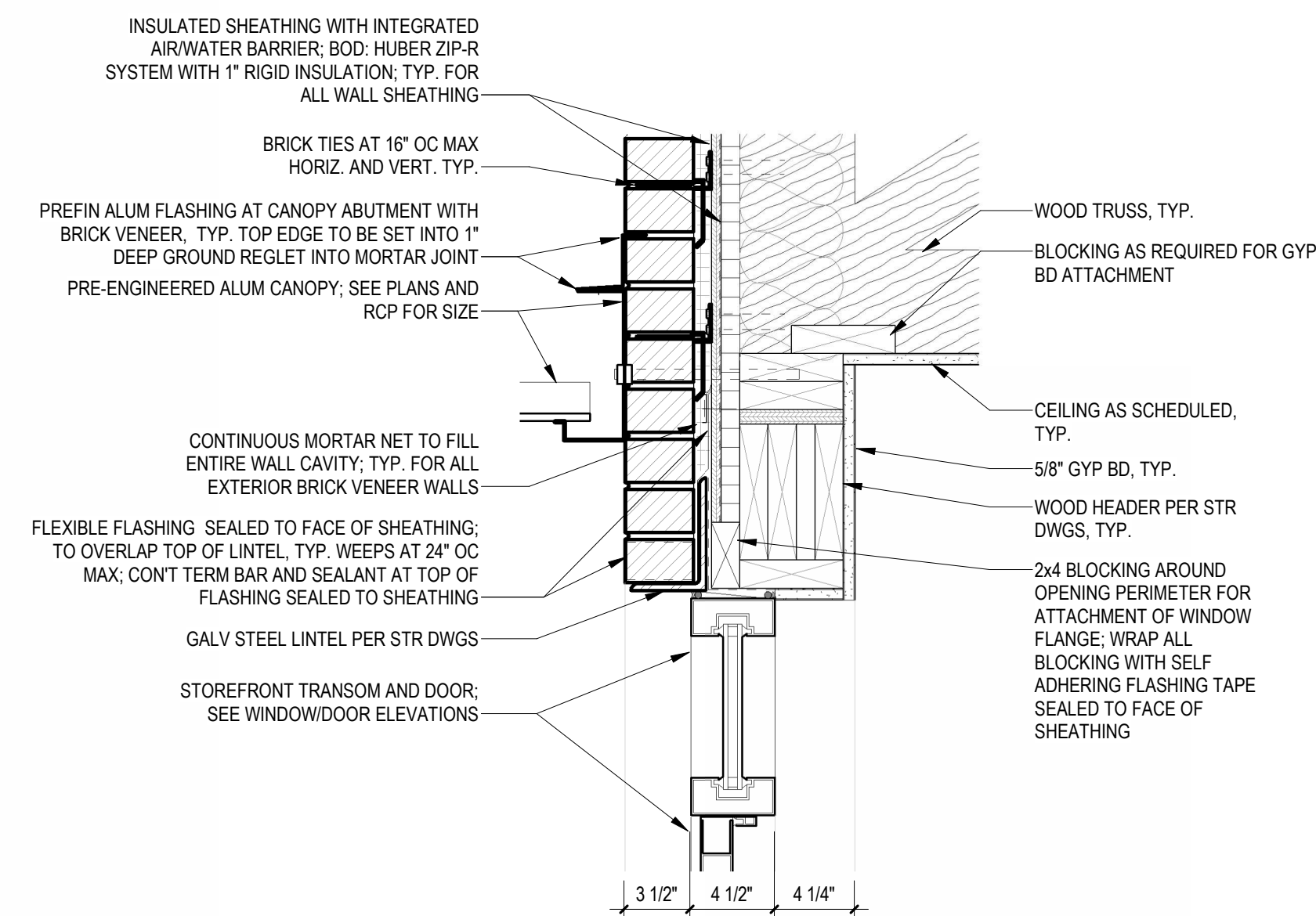
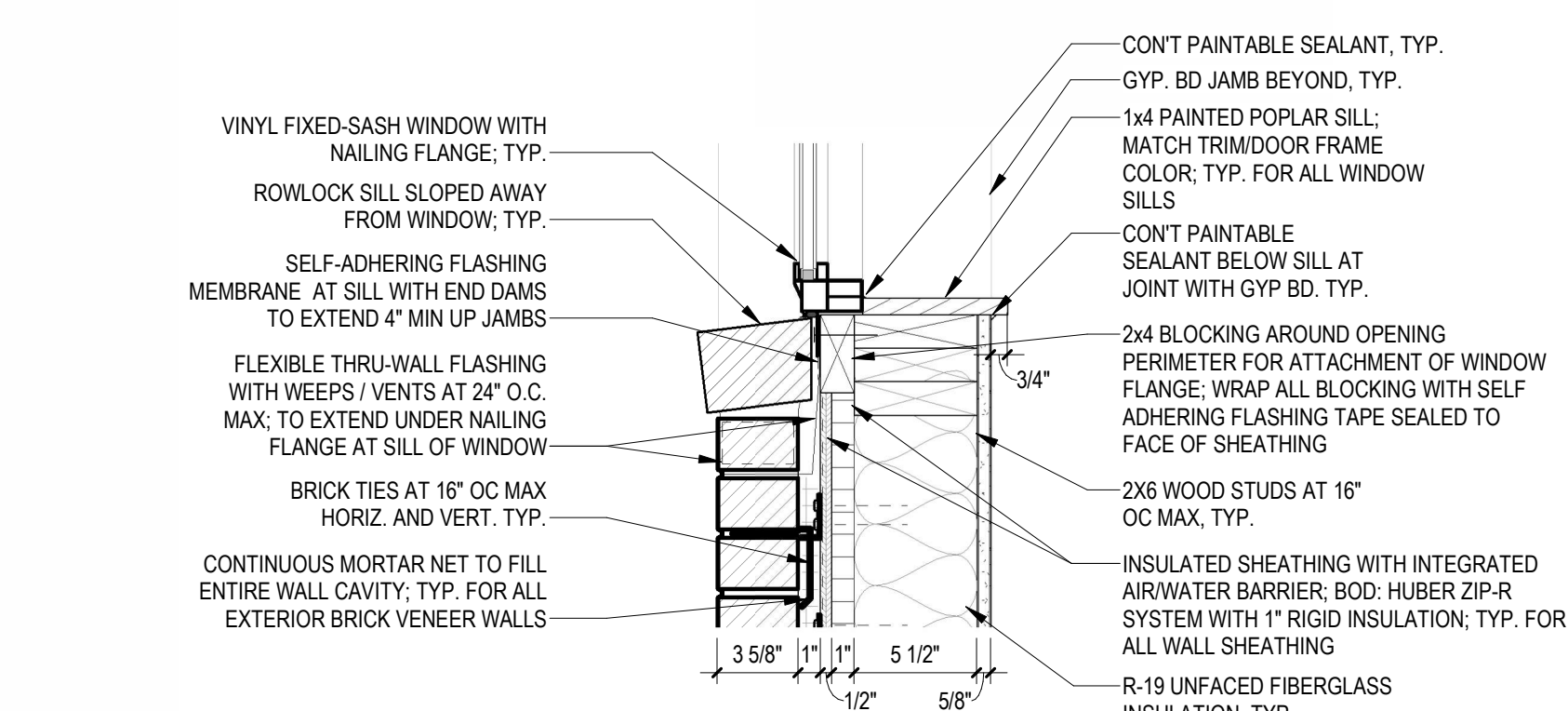
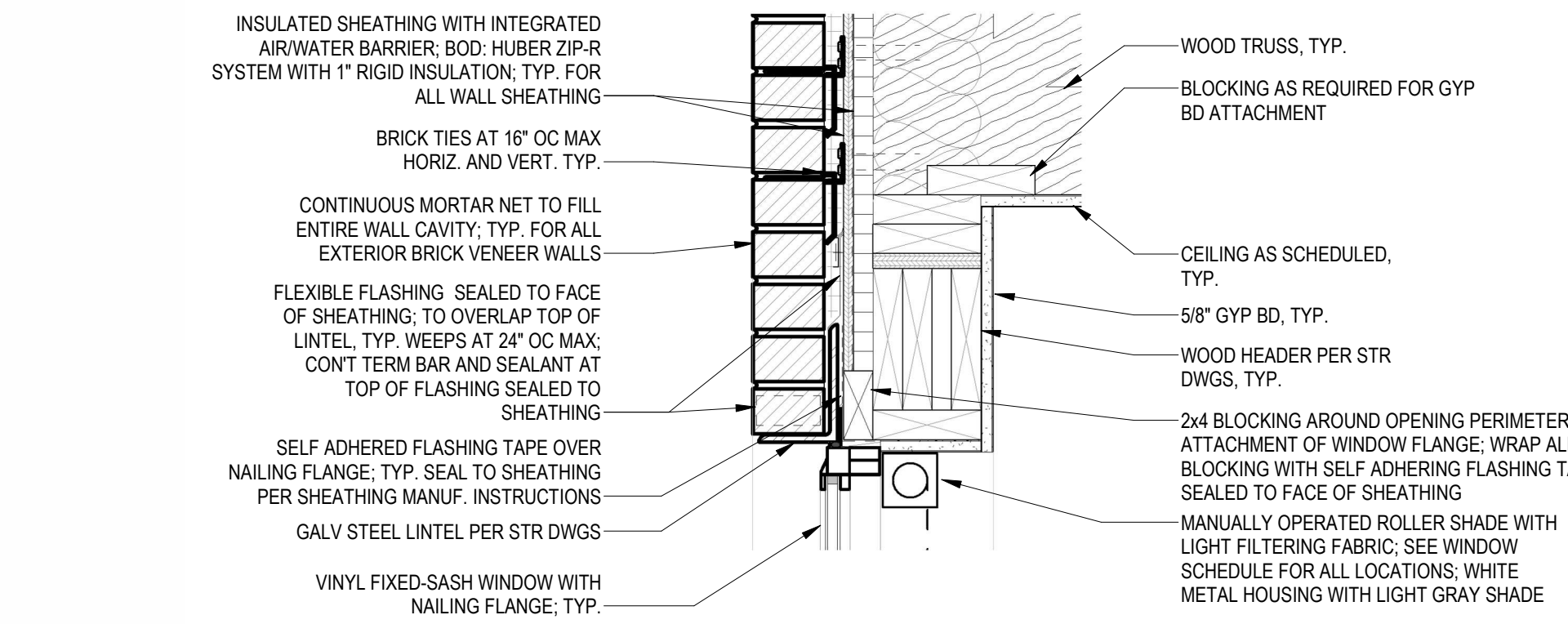
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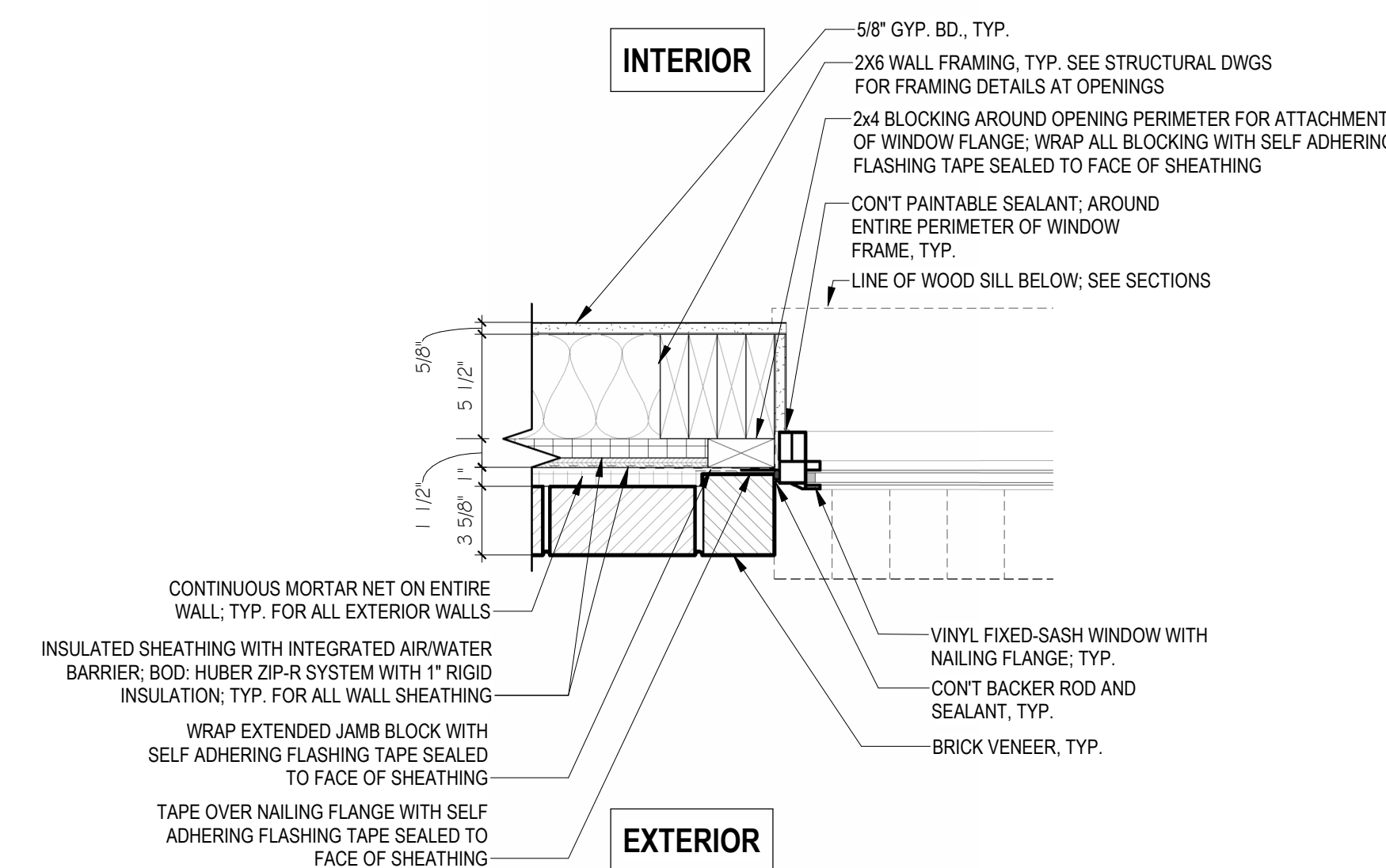
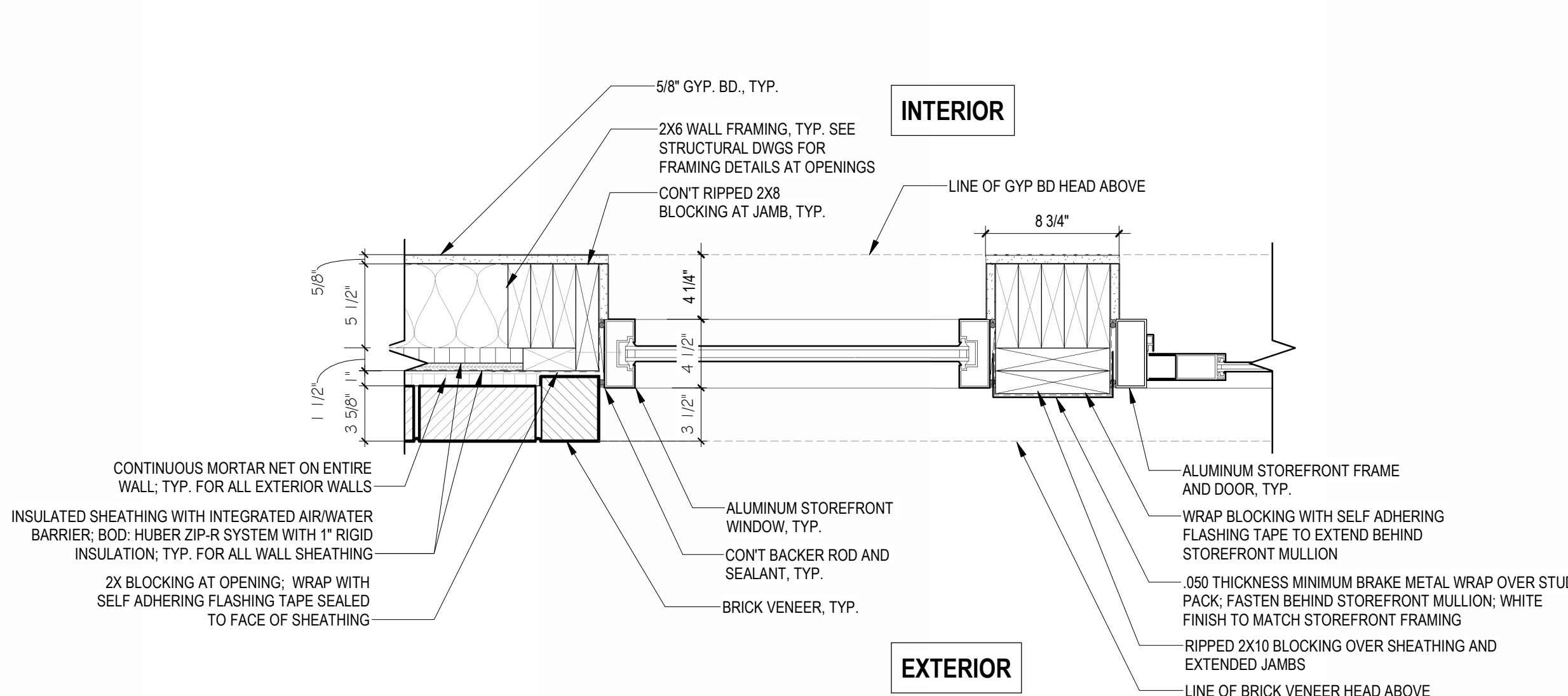
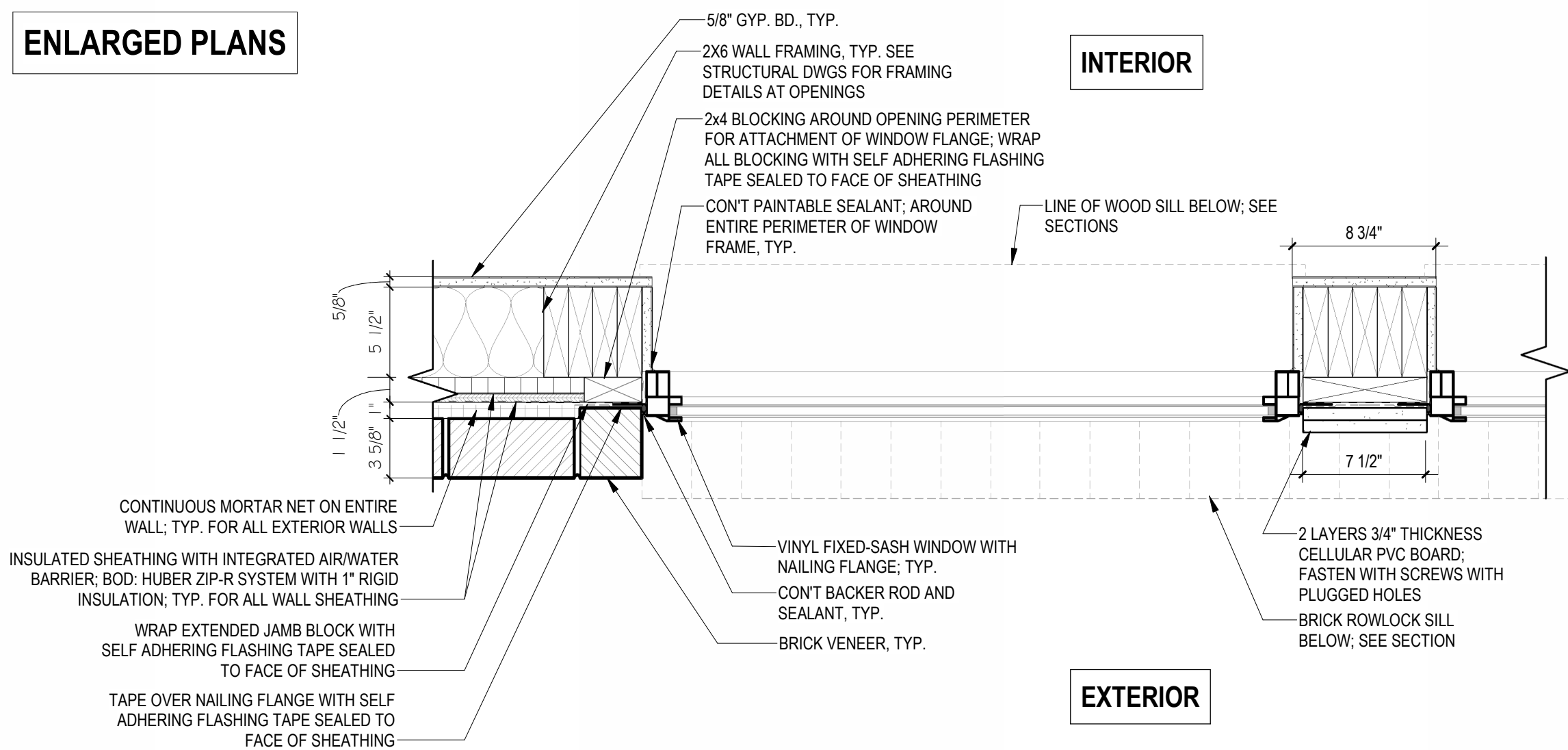




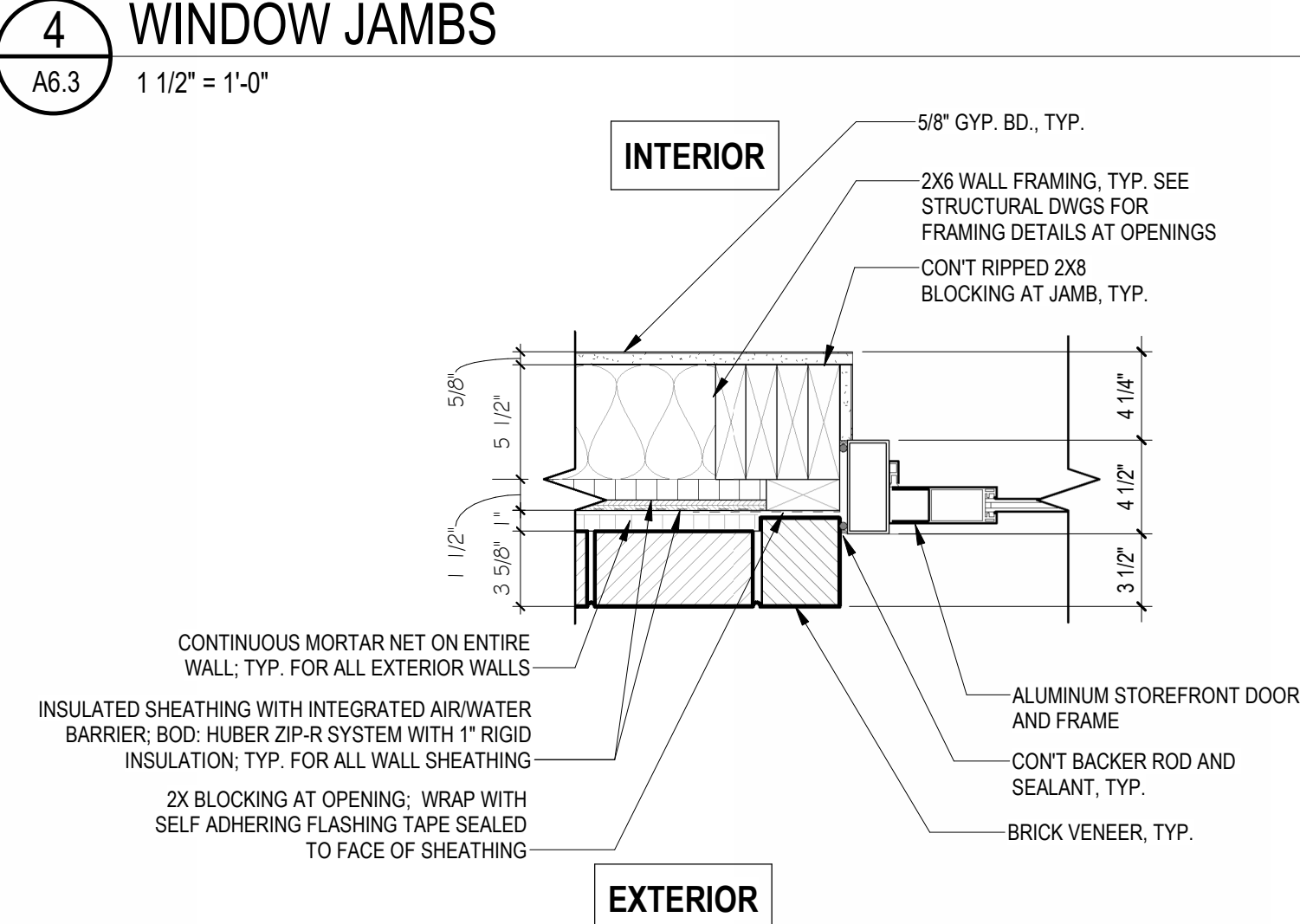
ENLARGED SECTIONS



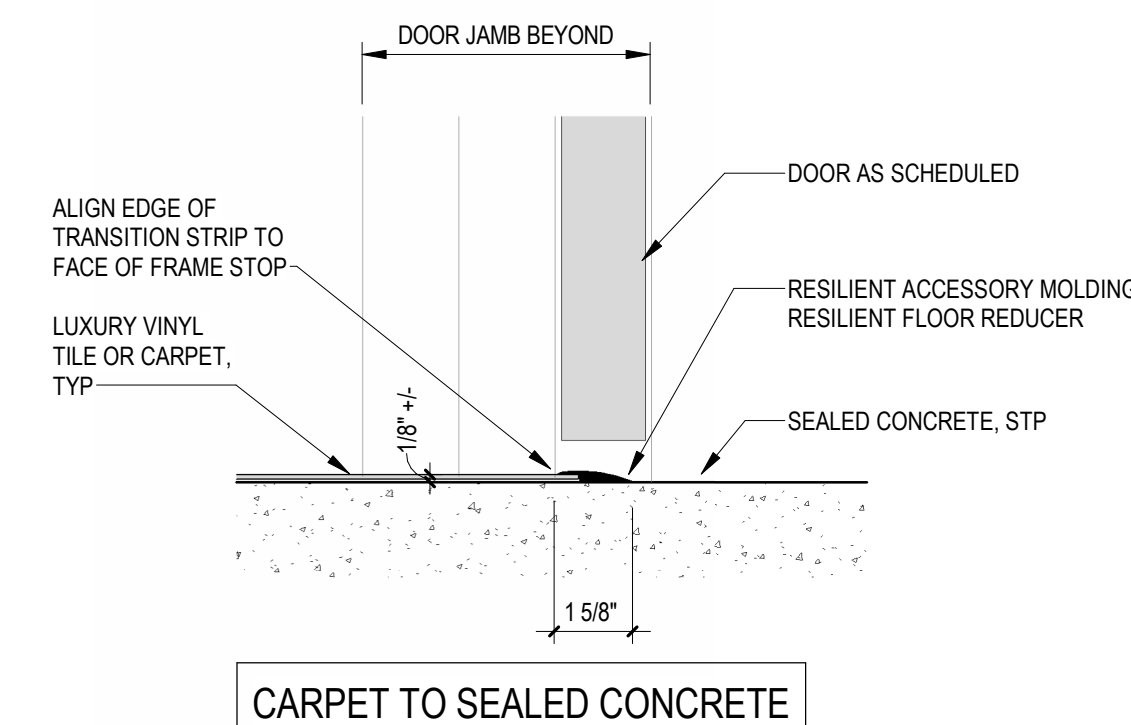
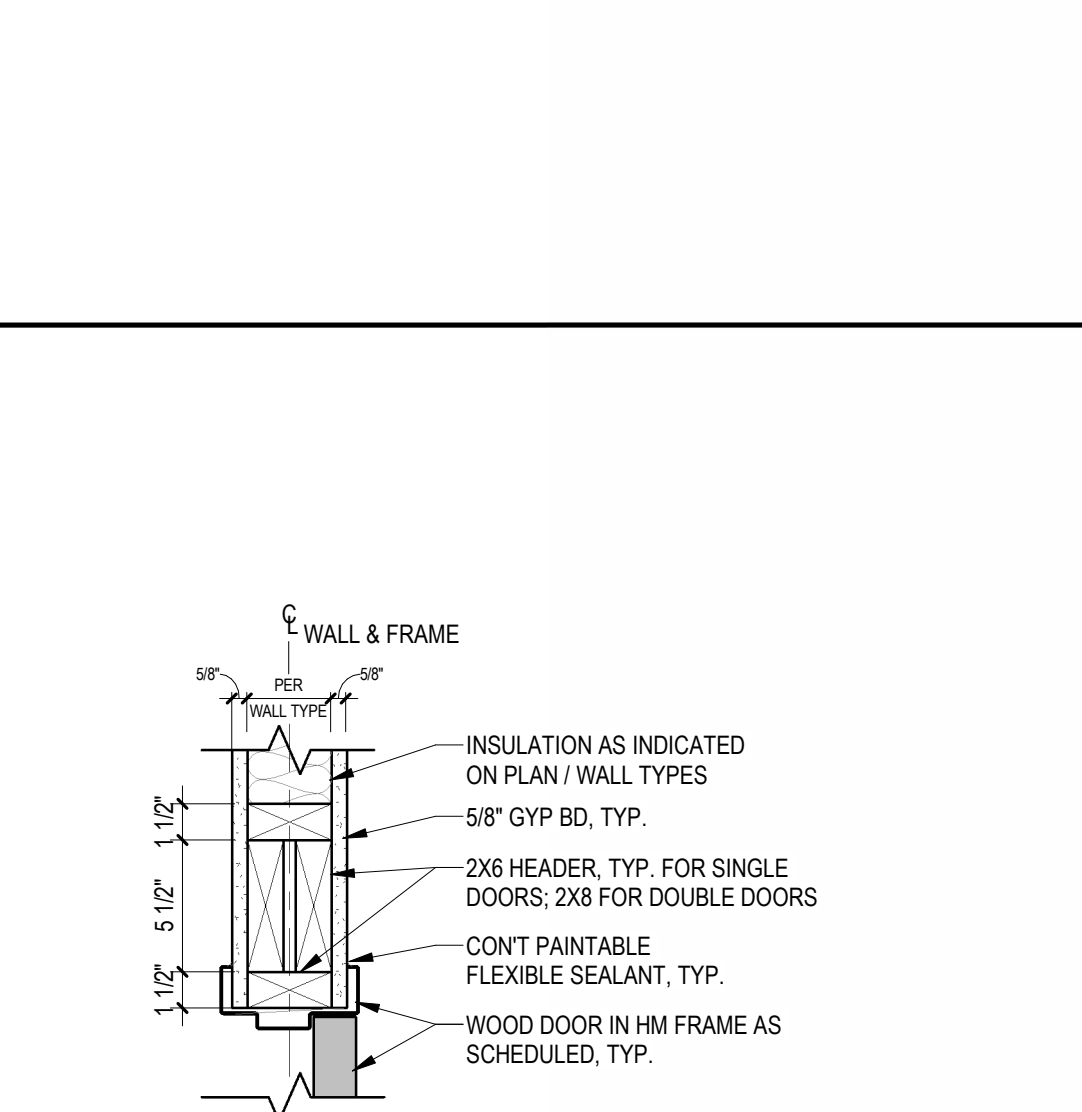
ENLARGED PLANS



ENLARGED PLAN AT LOUNGE DOUBLE WINDOW JAMBS



ENLARGED PLAN AT TYPICAL STOREFRONT WINDOW/DOOR JAMB



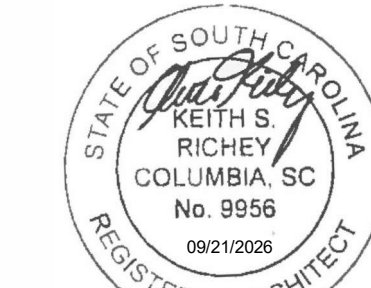
INTERIOR DOOR HEAD / JAMB / SILL DETAILS

TYPICAL JAMB AT INTERIOR DOOR

TYPICAL HEAD AT INTERIOR DOOR

TYPICAL INTERIOR SILL / FLOOR TRANSITION DETAILS

METHOD WORKS
ARCHITECTURE



Date	
Description	
No.	

AIKEN INTERMEDIATE - BUS
TRANSPORTATION OFFICE
AIKEN COUNTY PUBLIC SCHOOL
DISTRICT
101 GATOR LN, AIKEN, SC 29801

Project Number	M-25-119
Drawn By	KSR
Checked By	KSR
Date	09/21/2026

DOOR AND WINDOW
HEAD/JAMB/SILL
DETAILS

Drawing No.

A6.3

1. LOADS:

A. LIVE LOADS:

ASSEMBLY CONFERENCE.....100 PSF

OFFICE AREA.....50 PSF

CORRIDORS/LOBBY.....100 PSF

STORAGE/MECHANICAL.....125 PSF

ROOF.....20 PSF UNWEIGHTED

B. DEAD LOADS: ACTUAL WEIGHTS OF MATERIALS, EQUIPMENT, AND ETC.

C. ROOF SNOW LOADS:

(1) GROUND SNOW LOAD: 10 PSF

D. WIND LOAD:

(1) BASIC WIND SPEED 114 MPH

(2) RISK CATEGORY II

(3) WIND EXPOSURE B

(4) INTERNAL PRESSURE COEFFICIENT C_{pi} = +/- 0.18

E. SEISMIC DESIGN DATA

(1) RISK CATEGORY I

(2) MAPPED SEISMIC RESPONSE ACCELERATIONS:

$S_s = 0.203$; $S_1 = 0.104$

(3) SITE CLASS D - DEFAULT

(4) SPECTRAL RESPONSE COEFFICIENTS:

$S_{DS} = 0.336$; $S_{1S} = 0.165$

(5) SEISMIC DESIGN CATEGORY C

(6) BASIC STRUCTURAL AND SEISMIC RESTRAINTS SYSTEM:

BEARING WALL / W/ LIGHT FRAMED WALLS WITH SHEAR PANELS / WOOD MATERIALS

(7) DESIGN BASE SHEAR, $V = 5$ KIPS

(8) SEISMIC RESPONSE COEFFICIENT $C_s = 0.054$

(9) RESPONSE MODIFICATION FACTOR $R = 6.5$

(10) ANAL. ANAL. PROCEDURE - EQUIVALENT LATERAL FORCE PROCEDURE

1. CAST IN PLACE CONCRETE COMPRESSION STRENGTH AT 28 DAYS:
 1. NORMAL WEIGHT (150 PCF) 3000 PSI FOR CONCRETE FOOTINGS AND MISCELLANEOUS CONCRETE.
 2. NORMAL WEIGHT (150 PCF) 4000 PSI FOR SLABS ON GRADE, FRAMED WALLS, ALL REINFORCING BARS TO HAVE A MINIMUM YIELD STRENGTH OF 60 KSI.
2. FOOTINGS ARE LOCATED AT COLUMNS IN OR CENTER OF WALLS UNLESS SHOWN OTHERWISE ON PLANS.
3. ALL LAP SPICES ARE TO BE CLASS B LAP SPICES IN ACCORDANCE WITH ACI 318 UNLESS NOTED OTHERWISE.
4. ALL CONCRETE REINFORCING CAGES SHALL HAVE CORNER BARS SAME SIZE AND SPACING AS HORIZONTAL REINFORCEMENT UNLESS NOTED OTHERWISE.
5. PROVIDE AND INSTALL ALL PLATES, ANCHORS, REINFORCING STEEL ETC. EMBEDDED IN CRACK IN PLACE OF CONCRETE.
6. CONCRETE FORMWORK:
 - 7.1. ALL FORMWORK SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED, AND MAINTAINED ACCORDING TO ACI STANDARD 347 RECOMMENDED PRACTICE FOR CONCRETE FORMWORK.
 - 7.2. THE RESPONSIBILITY OF DESIGN, CONSTRUCTION, AND SAFETY OF ALL FORMWORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL FORM, SHORES, BACKSHOES, FALSEWORK, BRACING, AND OTHER TEMPORARY SUPPORTS SHALL BE CONSIDERED TO SUPPORT ALL LOADS INCLUDING THE WEIGHT OF THE FORMS.
 - 7.3. CONSTRUCTION EQUIPMENT, LIVE LOAD, MATERIAL LOADS DUE TO WIND AND WET CONCRETE IMBALANCE. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - 7.4. TOLERANCE UNLESS SPECIFIED OTHERWISE: ALL TOLERANCES FOR CONCRETE FORMWORK SHALL CONFORM TO ACI STANDARD 11.7, STANDARD TOLERANCE FOR CONCRETE CONSTRUCTION AND MATERIALS. THE CONTRACTOR SHALL ENGAGE LICENSED SURVEYOR TO VERIFY THAT WORK IS WITHIN SPECIFIED TOLERANCES.
 - 7.5. ALL CONCRETE SHALL BE CAST IN A 3'x3' CONCRETE CHAMFER. THIS INCLUDES ALL SLABS, BEAMS, COLUMNS, AND WALLS.
8. ALL CONCRETE SLABS TO POPE TOWARDS FLOOR DRAINS. SEE ARCHITECTURAL PLANS FOR LOCATIONS.

FOOTINGS DESIGNING FOR AN ALLOWABLE SOIL BEARING VALUE OF 2.0 TONS PER SQUARE FOOT OF AREA. THE FOUNDATION BY GPSA TESTING & ENGINEERING DATED 16, 2026.

2. GEOTECHNICAL ENGINEER SHALL VERIFY BEARING CAPACITY RATIO TO FOUNDATION/CONCRETE PLACEMENT.

3. EXISTING ANY CONSTRUCTION OF THE SURFACE AREA SHALL BE STRIPPED OF ANY ROOT SYSTEMS, SITE VEGETATION, ORGANIC SURFACE SOILS, EXISTING CONCRETE SLABS, FOOTINGS, BURIED FUEL TANKS, UNDERGROUND UTILITIES, AND ANY OTHER UNSUITABLE NATURE MATERIALS. ADDITIONAL REMEDIATION SHALL BE REQUIRED IF THE BUILDING AREAS SHALL BE COMPLETELY REMOVED TO A DEPTH AS DETERMINED BY THE GEOTECHNICAL ENGINEER. THE UNDERCUTTING SHALL EXTEND AT LEAST FIVE FEET OUTSIDE THE BUILDING AREA. AFTER STRIPPING AND UNDERCUTTING, THE EXPOSED SUBGRADE SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER TO CONFIRM THAT ALL UNSUITABLE MATERIALS HAVE BEEN REMOVED.

THE EXPOSED SUBGRADE SHALL THEN BE PROOFROLLED AND DENSIFIED, IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER, WITH APPROVED EQUIPMENT. PROOFROLLING SHALL BE DONE USING A MINIMUM OF FOUR (4) PASSES PER 100' OF AREA. AN OTHERWISE SUITABLE SUBGRADE, A MINIMUM OF FOUR (4) PASSES SHALL BE MADE OVER EACH LOCATION WITH TWO OF THESE PASSES MADE PERPENDICULAR TO THE INITIAL LINE. ADDITIONAL PASSES REQUIRED FOR COMPACTION SHALL BE MADE, ANY AREAS FOUND TO "PUMP" OR "BLOW" EXCESSIVE SHALL BE UNDERCUT TO STABILIZE MATERIAL. TESTING LABORATORY PERSONNEL SHALL DETERMINE THE NECESSITY OF FURTHER UNDERCUTTING. THE EXPOSED BASE SOILS SHALL BE DENSIFIED TO 95% STANDARD PROCTOR. TEST EXISTING BASE SOILS TO VERIFY THAT PERCENTAGES OF COMPACTION HAVE BEEN OBTAINED.



HEADER NOTES:
1. HEADERS ARE TYP
2. SEE ARCHITECTUR
3. SEE TYPICAL HEAD



1. AT ALL TRUSS GIRDER BEARING LOCATIONS PROVIDE (4) STUDS MINIMUM W/ SIMPSON'S LUG SERIES GIRDER TIEDOWNS, COORDINATE TIEDOWN WITH NUMBER OF PLYS IN GIRDER TRUSS. EXACT LOCATION OF TRUSS GIRDERS PER MANUFACTURER'S DRAWINGS.
2. PROVIDE BRACING AS REQUIRED FOR PRE-ENGINEERED WOOD ROOF TRUSSES, REFER TO MANUFACTURER'S DRAWINGS.
3. TRUSS TO TRUSS CONNECTIONS SHALL BE DESIGNED AND PROVIDED BY TRUSS MANUFACTURER.
4. PREFABRICATED LIGHT GAGE CONNECTIONS ARE SIMPSON'S DESIGNATIONS UNLESS NOTED OTHERWISE, "OR EQUAL" COMPONENTS CAN BE USED
5. PROVIDE SECONDARY FRAMING BETWEEN TRUSSES TO RECEIVE VERTICAL 2x6 STICK BUILT FRAMING OF OPENINGS AND AT AREAS DESIGNATED AS STICK BUILT.
6. SPACING OF STICK BUILT MEMBERS SHALL BE 16" O.C. MAXIMUM.

1. AT EXTERIOR FACE OF ALL EXTERIOR WALLS.
 - A. PROVIDE 1/2" EXTERIOR GRADE PLYWOOD SHEATHING FROM BOTTOM OF TREATED SILL PLATE TO ROOF TRUSS BEAMS.
 - B. ATTACH SHEATHING TO STUD MEMBERS TO INCLUDE BLOCKING W/ 8" NAILS OR #12 WOOD SCREWS AS FOLLOWS:
 - 9" SPACING AROUND PERIMETER OF PANEL
 - 12" SPACING AT INTERMEDIATE STUDS.
2. AT INTERIOR FACE OF ALL EXTERIOR WALLS.
 - A. GYPSUM WALLBOARD SHALL BE ATTACHED TO STUD MEMBERS TO PROVIDE BLOCKING W/ 8" NAILS OR W/ 8" DRYWALL SCREWS IN ACCORDANCE W/ ASTM C84 SPACED AT 7" CENTERS, TYPICAL.
 - B. GYPSUM WALLBOARD THICKNESS SHALL AS BE SPECIFIED BY THE ARCHITECTURAL DRAWINGS WITH A 1/2" MINIMUM THICKNESS.
 - C. GYPSUM WALLBOARD SHALL BE APPLIED PERPENDICULAR TO THE STUD FRAMING.

1. ALL ROOF SHEATHING TO BE 5/8" EXTERIOR GRADE PLYWOOD.
2. ALL PLYWOOD ROOF SHEATHING SHALL HAVE STAGGERED ENJOINTS.
3. PROVIDE BLOCKING AT ALL PANEL EDGES WITHIN CORNER / EDGE ZONE 3'-0" FROM EDGE OF ROOF SLOPE.
4. ATTACH PLYWOOD SHEATHING TO WOOD MEMBERS TO INCLUDE ALL BLOCKING W/ 8d NAILS AS FOLLOWS:

6" CENTERS AT PANEL EDGES LOCATED AT ALL TRUSS BEARING OR BLOCKING FROM EXTERIOR
BOUNDARY TO CORNER/EDGE ZONE AS DEFINED ABOVE ZONE 3'-0" UP ROOF SLOPE.
12" CENTERS IN FIELD OF PANEL.

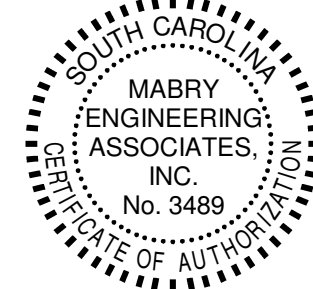
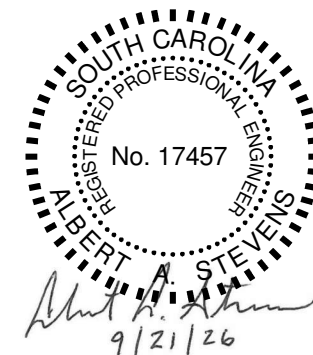
SHEET LIST - STRUCTURAL	
S0.0	GENERAL NOTES AND TYPICAL DETAILS
S1.1	FOUNDATION AND ROOF PLANS
S6.1	WALL SECTIONS
S6.2	WALL SECTIONS

Mabry Engineering Associates, Inc.
Structural Engineers
840 Shull Street, Suite 100
West Columbia, South Carolina 29169
Phone: (803) 926-0000
MEAW 26-3556



METHOD WORKS
ARCHITECTURE

307 Gervais St.
Suite 302
Columbia, SC 29201
www.themethodworkshop.com

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AIKEN INTERMEDIATE - BUS
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101 GATOR LN. AIKEN, SC 29801

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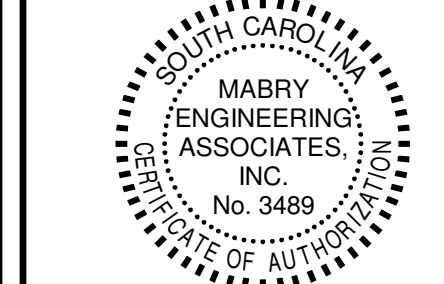
Project Number
M-25-119

Drawn By SAS	Checked By AAS	Date 09-21-2026
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Drawing Title.

Drawing No

\$0.0



**AIKEN INTERMEDIATE - BUS
TRANSPORTATION OFFICE**

**AIKEN COUNTY PUBLIC SCHOOL
DISTRICT**

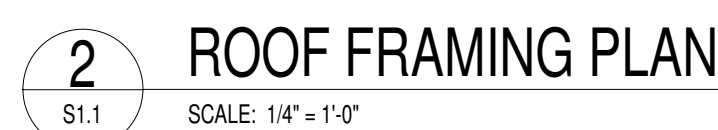
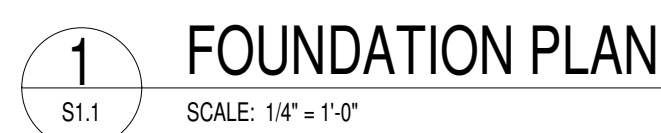
101 GATOR LN. AIKEN, SC 29801

Drawing Title.

FOUNDATION AND ROOF PLANS

Drawing No.

S1.1



FOOTING SCHEDULES								
MARK	DEPTH	WIDTH	LENGTH	REINFORCING	COLUMN	BASE PLATE	ANCHOR BOLTS	COMMENTS
WF2	1'-0"	2'-0"	5'-6"	3-#5S CONT. AND #5 TRANSVERSE AT 24" O.C.				

SYMBOLS	
	SAW JOINTS
	FOUNDATION NOTE TAG
	LOAD BEARING/ PERIMETER
	HOLDOWN STUD POST

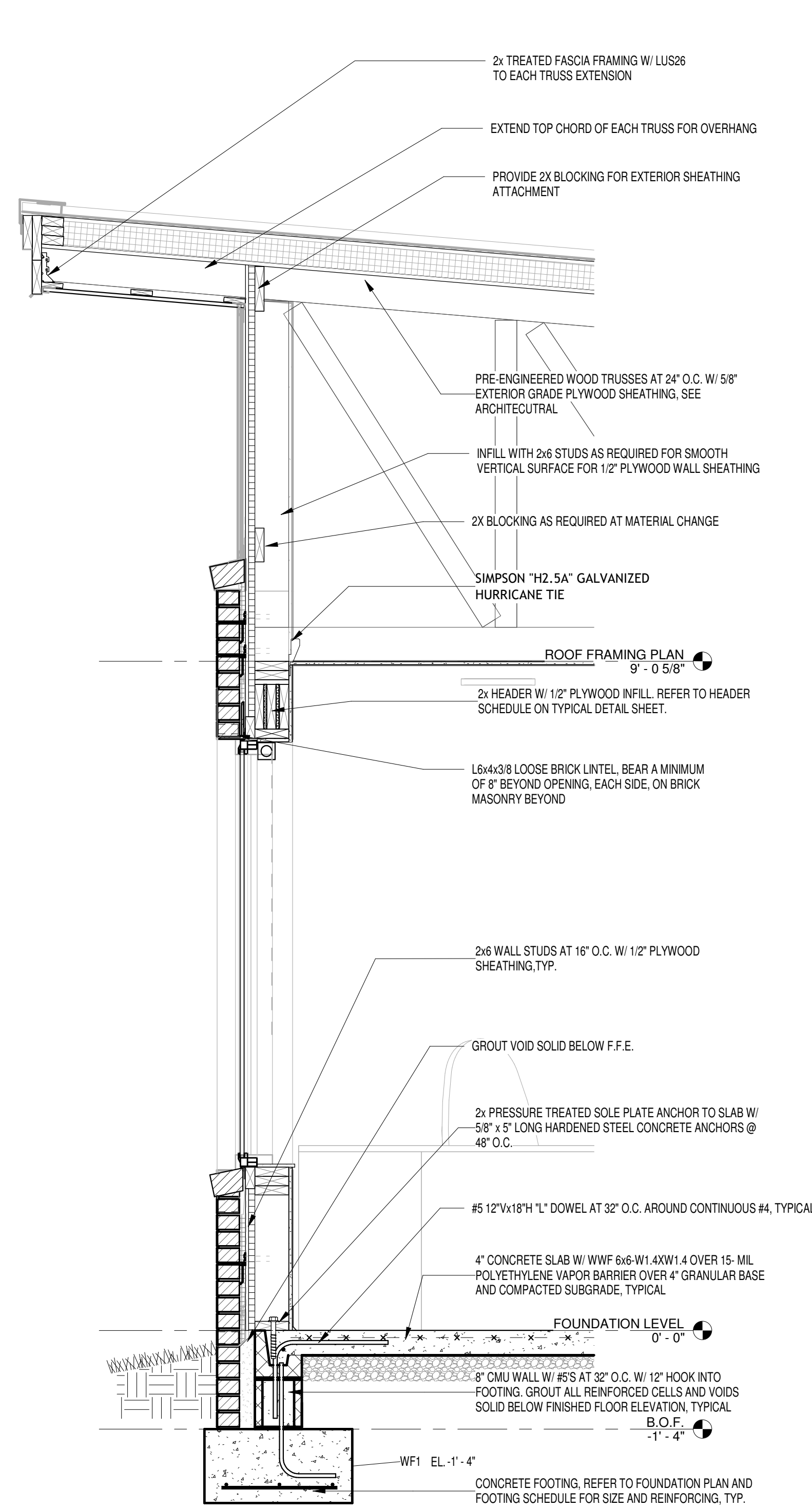
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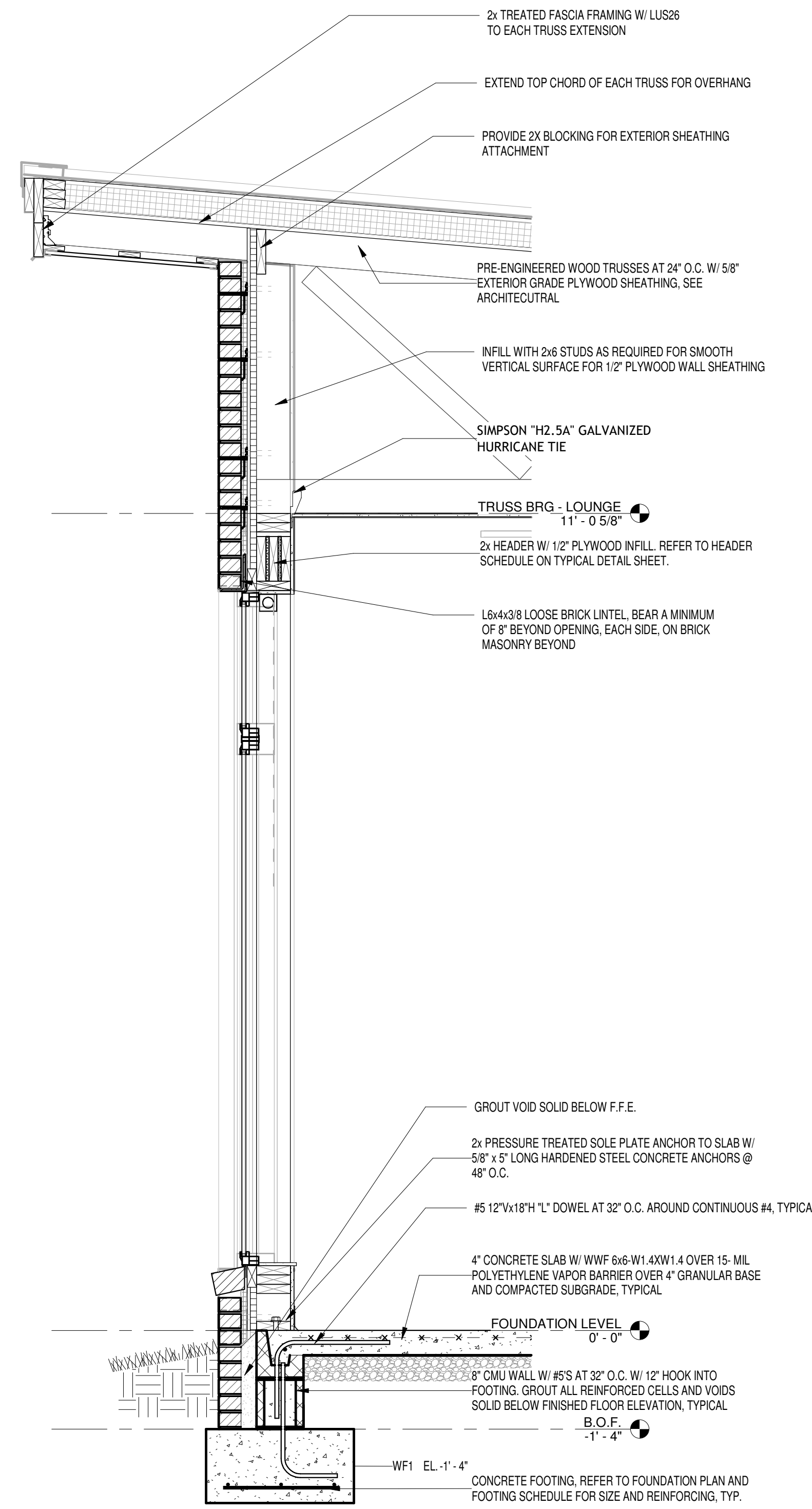
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Drawn By	SAS
Checked By	AAS
Date	09-21-2026

WALL SECTIONS

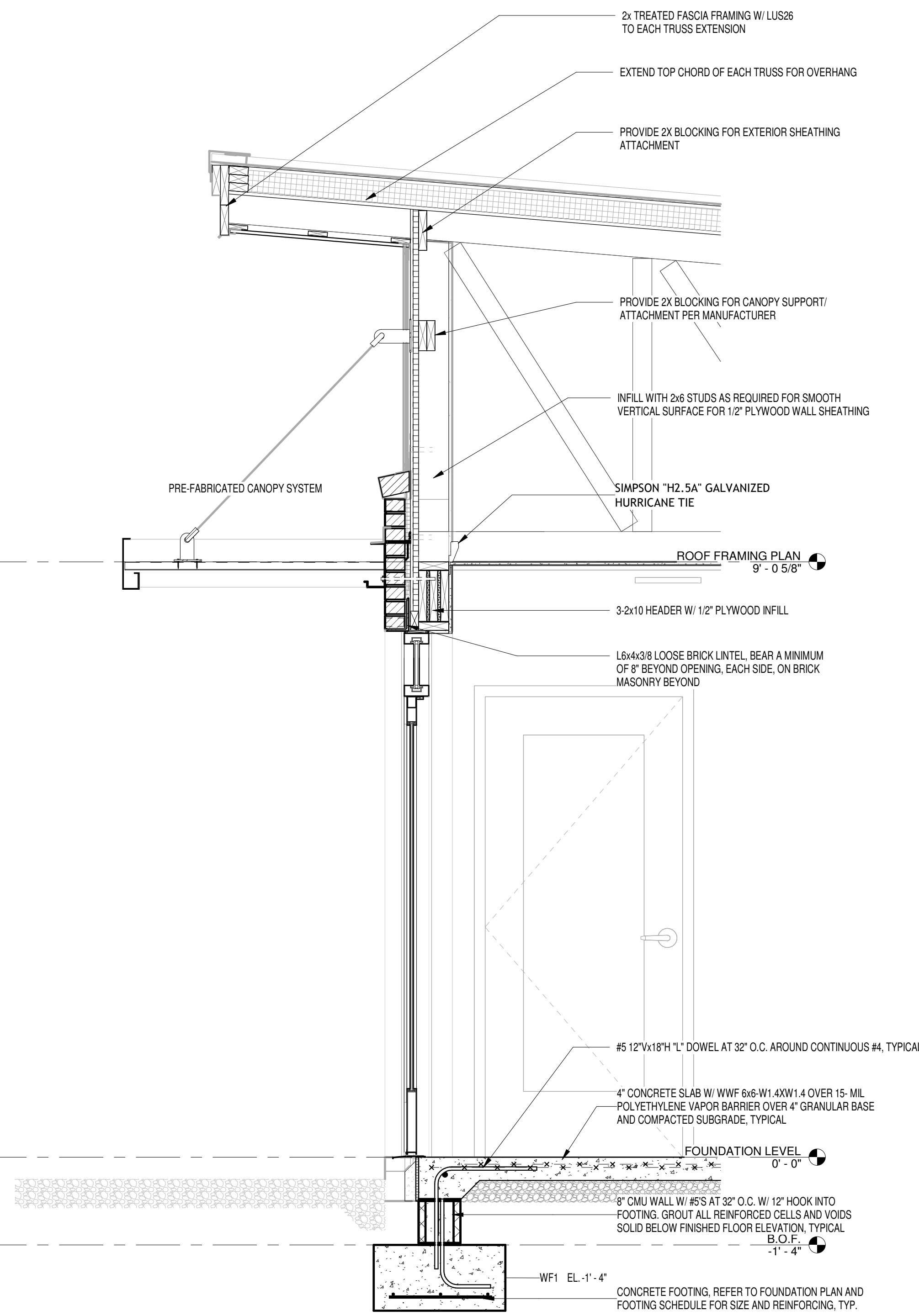
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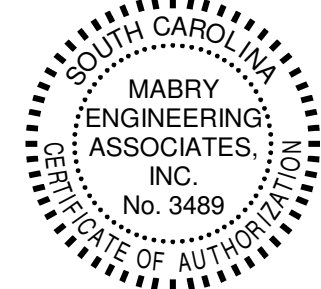
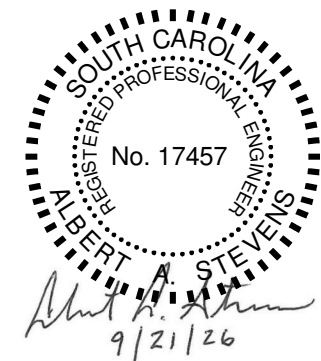
1 WALL SECTION AT OFFICE
SCALE: 3/4" = 1'-0"



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



3 WALL SECTION AT ENTRY CANOPY
SCALE: 3/4" = 1'-0"



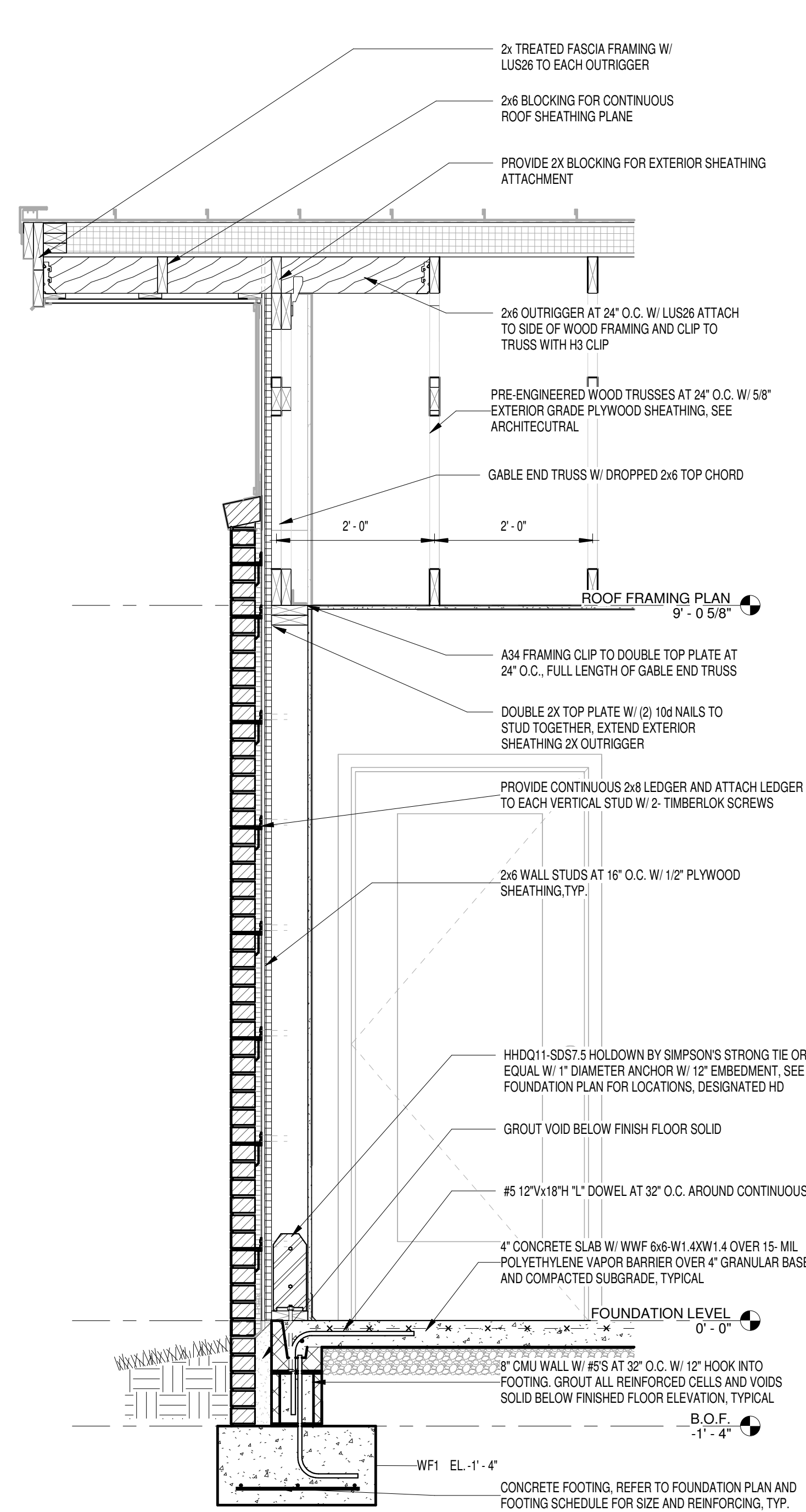
Date	
Description	
No.	

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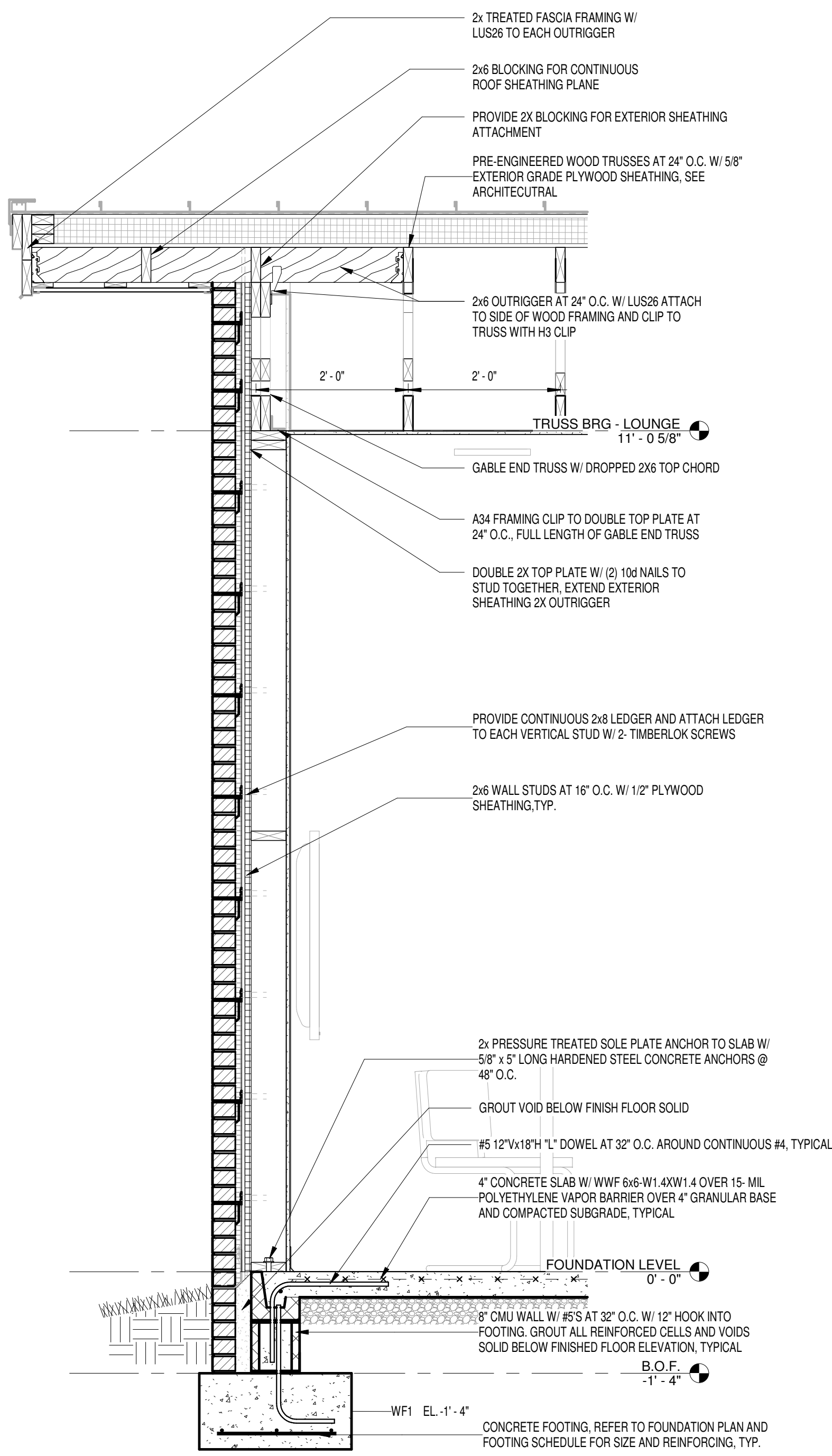
Project Number	M-25-119
Drawn By	SAS
Checked By	AAS
Date	09-21-2026

WALL SECTIONS

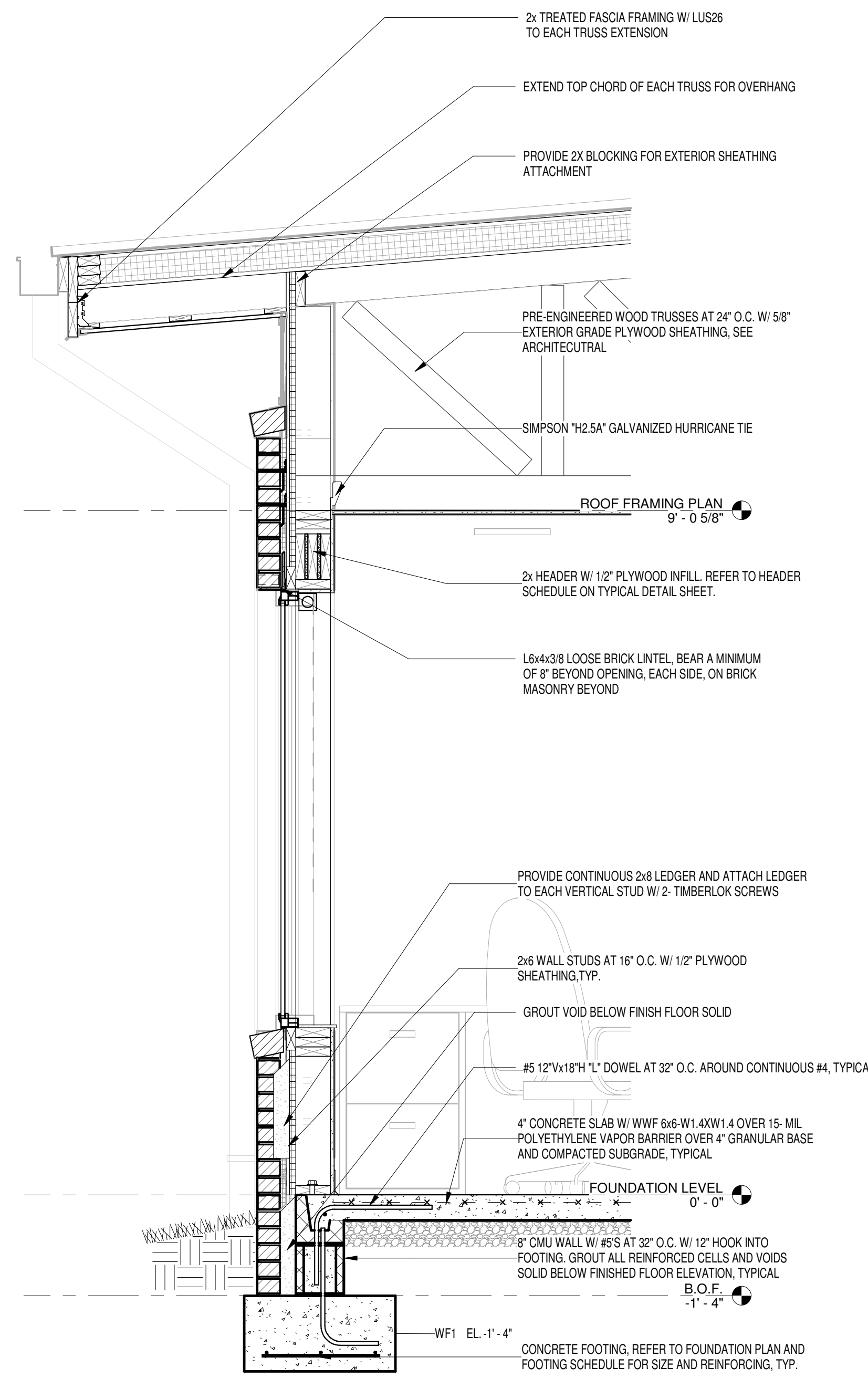
Drawing No.
S6.2



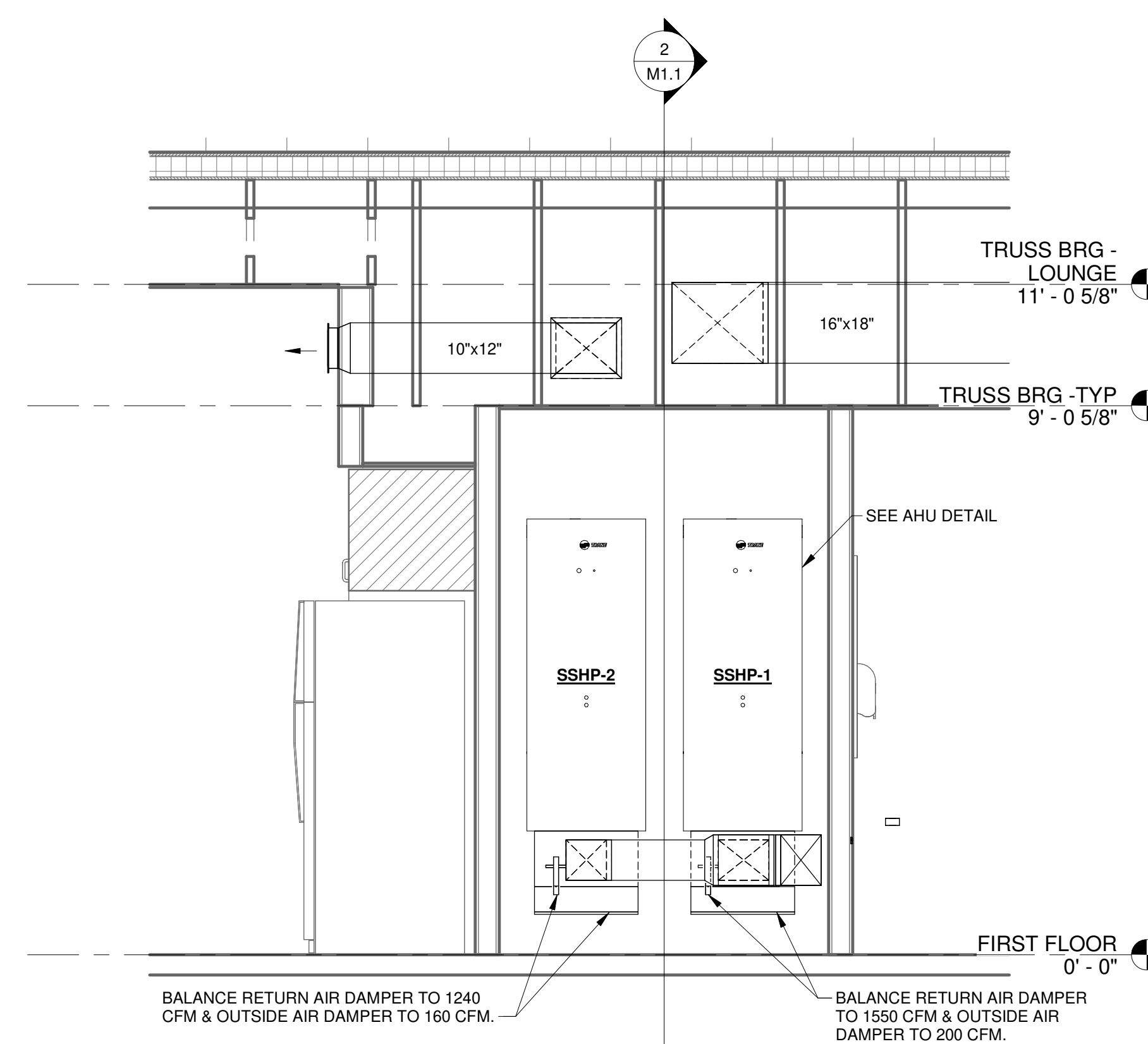
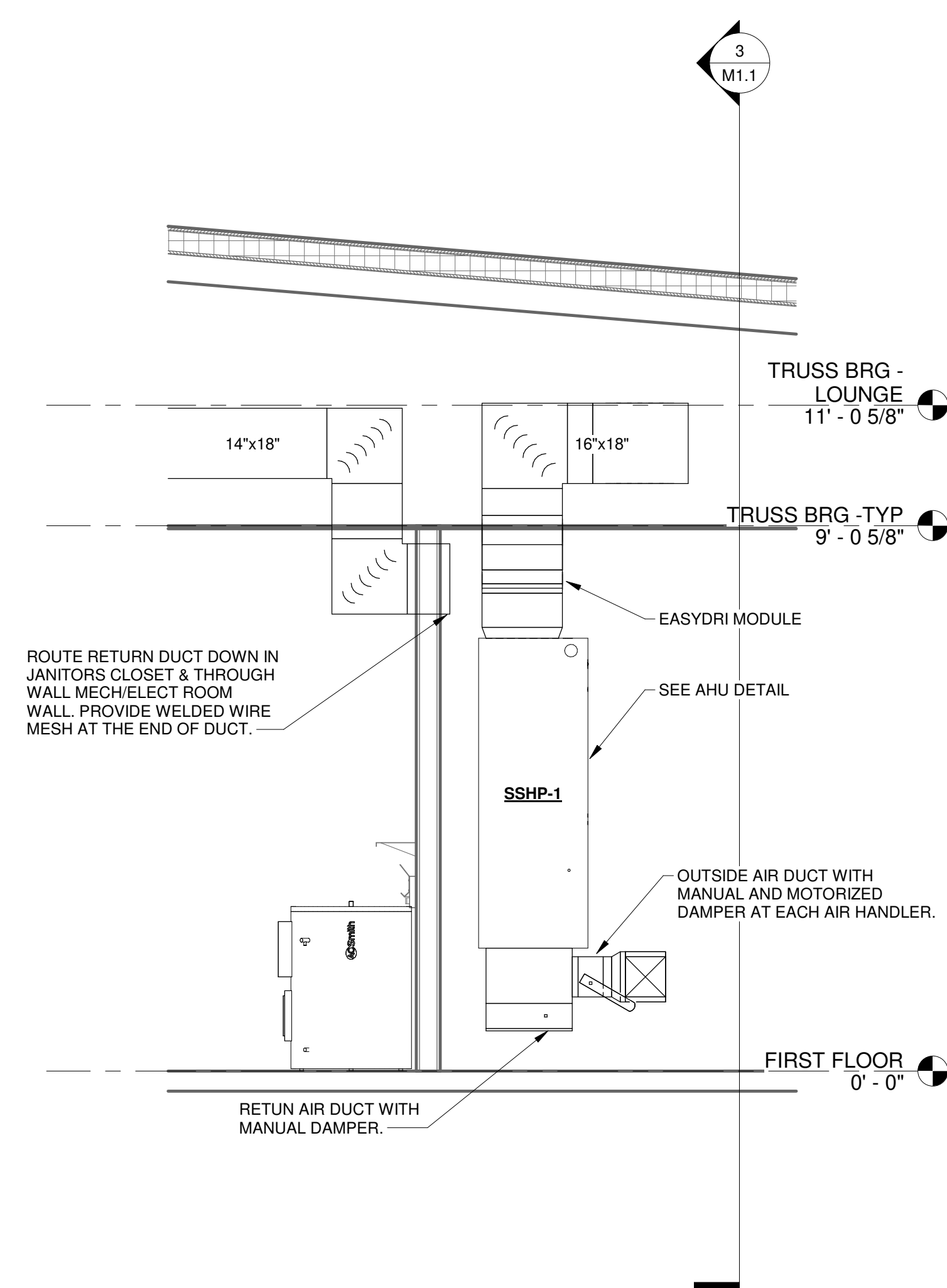
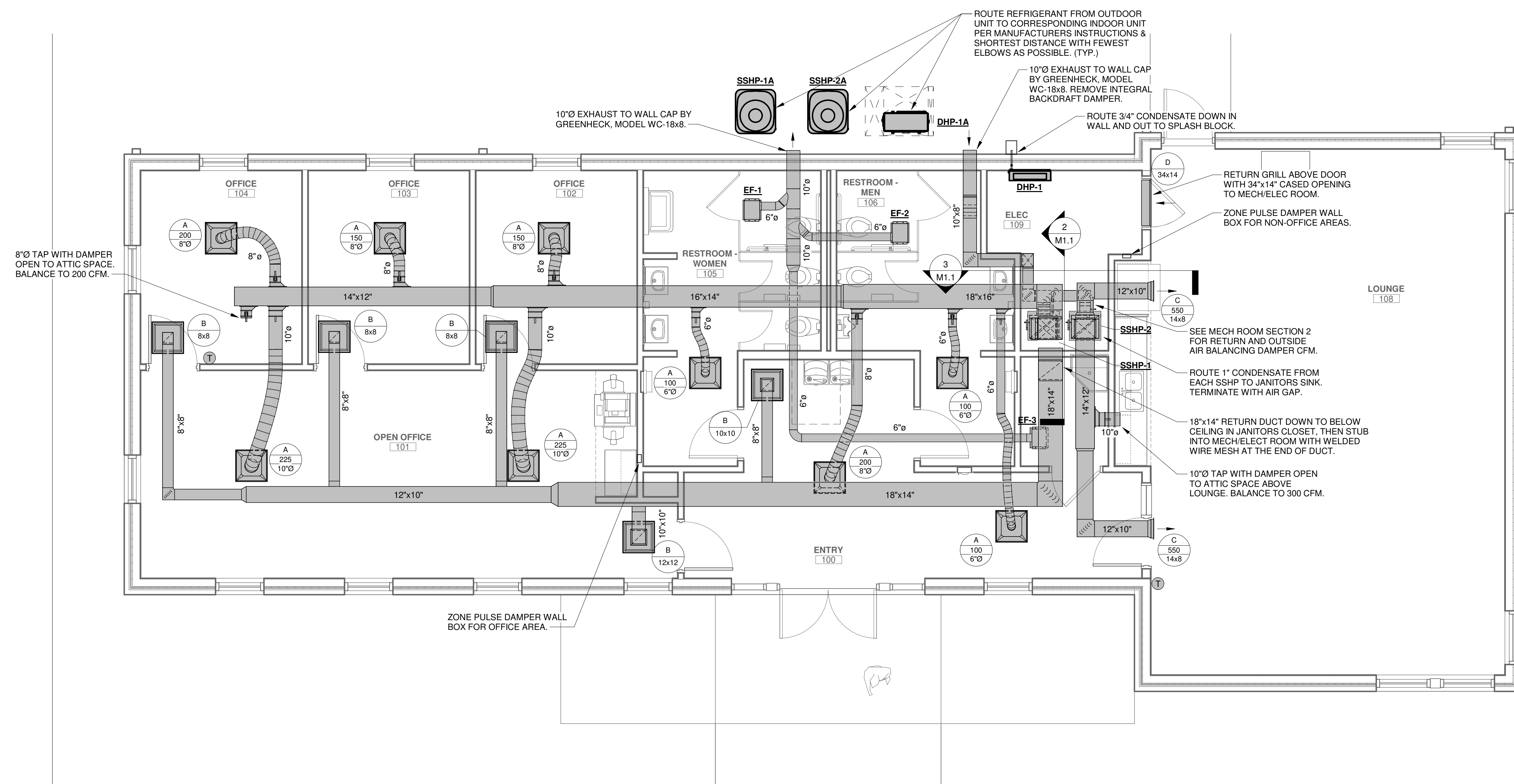
1 WALL SECTION AT TYP. BRICK AND SIDING WALL
SCALE: 3/4" = 1'-0"



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



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

[illegible]

SUPPLY

A

100

6"

→

DIFFUSER/GRILLE SYMBOL

A

100

6"

→

AIRFLOW CAPACITY (CFM)

A

100

6"

→

ROUND NECK SIZE (IN.)

RETURN

B

6

6

←

GRILLE/LOUVER/DAMPER SYMBOL

B

6

6

←

SQUARE NECK SIZE (IN.)

REFER TO GRILLE & DIFFUSER LEGEND FOR SCHEDULING DETAILS
DIMENSIONS NOTED ON PLANS ARE IN INCHES UNLESS OTHERWISE NOTED.

MECHANICAL SYMBOLS

⊠

SUPPLY AIR DUCT SECTION

⊠

RETURN AIR DUCT SECTION

Ⓣ

THERMOSTAT

Ⓢ

SWITCH

⬮

UNDERCUT DOOR

⌵

TURNING VANES

—M—

MANUAL DAMPER

⊠

4-WAY CEILING DIFFUSER

⊠

CEILING RETURN/EXHAUST GRILLE

→

SIDE WALL DIFFUSER

→

SIDE WALL RETURN

OA

OUTSIDE AIRFLOW

—M—

MOTORIZED DAMPER

—C—

CONDENSATE PIPING

MECHANICAL NOTES

-DO NOT SCALE DRAWING. ROUGH FROM EQUIPMENT MANUFACTURER AND ARCHITECTURAL DRAWINGS.

-DIMENSIONS NOTED ON PLANS ARE IN INCHES UNLESS OTHERWISE NOTED.

-DUCT SIZES NOTED ON PLANS ARE INTERIOR DIMENSIONS.

-PROVIDE BALANCING DAMPERS AT ALL EXHAUST AIR TAKE OFFS.

-ROUTE PVC (COPPER IN PLENUMS AND ON ROOF) INSULATED CONDENSATE DRAIN LINES TO ROOF DRAINS, GUTTERS, FLOOR DRAINS, FRENCH DRAIN OR AS SHOWN ON DRAWINGS.

-MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EQUIPMENT VOLTAGES, ELECTRICAL REQUIREMENTS AND DISCONNECTS WITH THE ELECTRICAL CONTRACTOR PRIOR TO RELEASING EQUIPMENT FROM MANUFACTURER.

-REFRIGERANT PIPING SHALL BE TYPE L-ACR COPPER TUBING. THE PIPING SHALL BE CHARGED WITH DRY NITROGEN WHILE CONSTRUCTING SILVER SOLDER JOINTS. PROVIDE 1-1/2" THICK ARMAFLEX INSULATION.

-SOME REFRIGERANT LINE LENGTHS AND/OR VERTICAL LIFTS MAY EXCEED MANUFACTURER'S RECOMMENDATIONS. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR INSURING THE EQUIPMENT MANUFACTURER SIZES ALL REFRIGERANT LINES FOR THESE PIECES OF EQUIPMENT.

-PROVIDE ALL UNSECURED EQUIPMENT WITH LOCKING REFRIGERANT CAPS PER IMC 1101.10

-ALL DUCTWORK SHOWN ON DRAWING IS DIAGRAMMATIC. ACTUAL RUN SHALL BE SHORTEST POSSIBLE WITHOUT SHARP BENDS. ALL DUCTWORK SHALL BE GALVANIZED STEEL INSTALLED PER SMACNA, INTERNATIONAL AND LOCAL CODES WITH 2-1/4" THICK FIBERGLASS DUCT WRAP INSULATION AND/OR AS OUTLINED IN SPECIFICATIONS.

-ALL DUCTWORK SHALL BE SEALED AIRTIGHT WITH MASTIC. NO HEAT SENSITIVE, PRESSURE SENSITIVE OR DUCT TAPE ALLOWED ON PROJECT.

-ALL DUCTWORK SHALL BE PRESSURE TESTED TO THE FOLLOWING REQUIREMENTS, SEALED PER SMACNA LEAKAGE CLASS GUIDELINES, AND MANUFACTURER RECOMMENDATIONS UNLESS OTHERWISE NOTED ON CONTRACT DOCUMENTS.

-NEGATIVE PRESSURE DUCTWORK (RETURNS AND EXHAUST) SHALL BE TESTED AND NOT EXCEED 3% AIRFLOW LOSS AT 2" PRESSURE CLASS.

-LOW PRESSURE DUCTWORK (SUPPLY UP TO 2" W.C.) SHALL BE TESTED AND NOT EXCEED 3% AIRFLOW LOSS AT 2" PRESSURE CLASS.

-ALL DUCTWRAP INSULATION SHALL BE SEALED PER MANUFACTURER'S RECOMMENDATIONS FOR GLASS FABRIC AND MASTIC INSTALLATIONS. NO PRESSURE SENSITIVE TAPE SHALL BE ALLOWED.

-FLEXIBLE DUCTWORK WILL BE ALLOWED AT THE END OF GALVANIZED STEEL RUN OUTS; MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL NOT EXCEED 8'-0". REFER TO TYPICAL RUN OUT DETAIL.

-ENTIRE MECHANICAL SYSTEMS SHALL BE INSTALLED PER 2021 INTERNATIONAL CODES WITH 2021 SOUTH CAROLINA MODIFICATIONS EXCEPT THE ENERGY CODE SHALL BE 2009 SOUTH CAROLINA ENERGY CONSERVATION CODE. ALSO, ALL LOCAL CODES & AUTHORITY HAVING JURISDICTION SHALL APPLY.

-COORDINATION OF ALL MECHANICAL SYSTEMS WITH OTHER DISCIPLINES IS THE RESPONSIBILITY OF THE CONTRACTOR. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO INSTALLING. CONTRACTOR SHALL NOT PROCEED WITH UNCERTAINTY.

-PROVIDE PLASTIC NAMEPLATES FOR ALL EQUIPMENT SPECIFIED ON PROJECT. LABELING TAG SHALL BE SAME AS EQUIPMENT NUMBER.

-ALL PIPING SUPPORT SPACING SHALL BE PER MSS-SP69 AND WITHIN 18" OF CHANGE IN DIRECTION.

-ALL EQUIPMENT, PIPE AND DUCT SHALL BE SEISMICALLY RESTRAINED PER 2021 IBC, SEISMIC RESTRAINT SYSTEMS AS MANUFACTURED BY MASON INDUSTRIES, AMBERBOOTH OR APPROVED EQUAL WHO MUST BE A MEMBER OF VISCMA. CONTRACTOR TO PROVIDE SEISMIC CALCULATIONS AND DRAWINGS CERTIFIED AND STAMPED BY AN ENGINEER EMPLOYED BY THE MANUFACTURER. CALCULATIONS TO MEET ICC, IBC, NFPA, ASCE/SEI 7-10, SMACNA AND AUTHORITY HAVING JURISDICTION (AHJ).

-PROVIDE TESTING AND BALANCING OF ALL SYSTEMS BY A THIRD PARTY AABC OR NEBB CERTIFIED T&B CONTRACTOR. SUBMIT T&B FORMS PRIOR TO PERFORMING WORK FOR APPROVAL.

-GENERAL AND MECHANICAL CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO ENGINEER/ARCHITECT WITH "APPROVED" OR "APPROVED AS NOTED" STAMPS FOR ENGINEER'S 10 CALENDAR DAY REVIEW.

AIR DISTRIBUTION SCHEDULE

SYMBOL	TYPE	MANUFACTURER	MODEL NUMBER	FINISH	DAMPER	REMARKS
A	SURF. MTD. DIFFUSER	PRICE	ASPD-31	WHITE	W/OBD	W/ PLASTER FRAME
B	SURF. MTD. RETURN	PRICE	APDDR-1	WHITE	---	W/ PLASTER FRAME
C	SIDEWALL DIFFUSER	PRICE	620D-FL	POWDER COAT	W/OBD	COLOR PER ARCHITECT
D	SIDEWALL RETURN	PRICE	635-FL	POWDER COAT	---	COLOR PER ARCHITECT
	MANUAL DAMPER	RUSKIN	MD-35/MDRS-25	MILL		
	MOTORIZED DAMPER	RUSKIN	CD-60/CDRS-25	MILL		

REMARKS:

ALTERNATE AIR DISTRIBUTION SUPPLIERS SHALL INSURE THAT "NC" AND PERFORMANCE DATA MATCHES SPECIFIED DEVICES.

COORDINATE ALL AIR DISTRIBUTION STYLES AND LOCATIONS WITH ARCHITECTURAL CEILING GRID AND ELECTRICAL LIGHT LAYOUT PRIOR TO SUBMITTING SHOP DRAWINGS OR ORDERING.

SPLIT SYSTEM HEAT PUMP SCHEDULE

MANUFACTURER	TRANE
	SSHP-1 SSHP-2
	MODEL NUMBER 5TEM6D07AV51 5TEM6D07AV51
	SUPPLY AIRFLOW 1750 1400
	EXTERNAL S.P. (IN) 0.75 0.75
	FAN MOTOR HP 0.75 0.75
	EAT (DB/WB) (°F) 77.50/64.80 77.50/64.80
	UNIT LAT (DB/WB/DP) (°F) 55.60/54.40 55.10/54.0
	OUTSIDE AIR (CFM) 200 160
	AUX. HTR K.W. (CKT #1/CKT#2) 9.6/4.8 9.6
	M.C.A. (CKT #1/CKT #2) 59/25 59
	M.O.P. (CKT #1/CKT #2) 60/25 60
	UNIT VOLTAGE 240/1/60 240/1/60
	WEIGHT (LBS.) 174 174
	SSHP-1A SSHP-2A
	MODEL NUMBER 5TWA4060A1 5TWA4048A1
	FAN QUANTITY/HP 1 / 0.33 1 / 0.33
	COMP. QUANTITY 1 1
	M.C.A. 33 25
	M.F.S. 50 40
	UNIT VOLTAGE 240/1/60 240/1/60
	WEIGHT (LBS.) 251 251
	AMBIENT (°F) 95 95
	TOTAL (NET BTUH) 52,970 43,586
	SENS. (NET BTUH) 41,032 33,449
	INTEGRATED HTG. CAP. @ 17°F 34,400 28,000
	SEER2/EER2 RATING @ ARI 14.3/12.0 14.3/12.0
	HSPF2/COP RATING @ 47°F 7.5/3.8 7.5/3.9

REMARKS:

-PRIOR TO ORDERING, CONTRACTOR SHALL VERIFY VOLTAGE AND ALL ELECTRICAL REQUIREMENTS.

-ALL CAPACITIES ARE NET TO INCLUDE INDOOR FAN HEAT.

-UNIT LEAVING AIR CONDITION INCLUDES INDOOR FAN HEAT AND IS THE TEMPERATURE (DB/WB/DP) AT UNIT DISCHARGE.

- PROVIDE WITH ECM INDOOR FAN MOTOR WITH COMFORT R MODE. SET AIRFLOW CONTROL DIP SWITCHES FOR CONSTANT CFM PER SCHEDULE AND ENHANCED MODE FOR DEHUMIDIFICATION.

-EXTERNAL S.P. IS EXTERIOR TO UNIT/ HEATER CABINET.

-PROVIDE HEAD PRESSURE CONTROL FOR COOLING OPERATION DOWN TO 0°F, SINGLE ENTRY POWER, COIL GUARD, COMPRESSOR SUMP HEATERS, FILTER RACK W/MERV 8 PLEATED FILTERS AND 5 YR. COMPRESSOR WARRANTY.

-REFRIGERANT LINES FOR SYSTEM TO BE SIZED BY EQUIPMENT MANUFACTURER TO MINIMIZE CAPACITY AND EFFICIENCY LOSSES AND OBTAIN MAXIMUM SYSTEM RELIABILITY. LINE SIZES FOR SYSTEM TO BE INCLUDED IN EQUIPMENT SUBMITTAL.

-PROVIDE SSHP-1 WITH EASYDRI MODULE MODEL ED-5.

-PROVIDE SSHP-2 WITH EASYDRI MODULE MODEL ED-4.

-PROVIDE ALL SSHP'S WITH EASYDRI 7 DAY PROGRAMMABLE THERMOSTAT MODEL STN855WHD-T5.

DUCTLESS SCHEDULE

MANUFACTURER	MITSUBISHI
	DHP-1 MSZ-GX18NL
	SUPPLY AIRFLOW 600
	EXTERNAL S.P. (IN) ---
	FAN MOTOR WATTS 56
	DRY BULB (°F) 75
	WET BULB (°F) 63
	AMBIENT (°F) 97
	OUTSIDE AIR (CFM) ---
	AUX. HTR K.W. ---
	UNIT VOLTAGE POWERED BY OUTDOOR
	WEIGHT (LBS.) 37
	DHP-1A MUZ-GX-18NL
	FAN QNTY/ WATTS 1/55
	COMP. QUANTITY 1
	M.C.A. 23
	M.O.C.P. 25
	UNIT VOLTAGE 240/1/60
	WEIGHT (LBS.) 116
	AMBIENT (°F) 97
	TOTAL (NET BTUH) 18,000
	SENS. (NET BTUH) 18,000
	INTEGRATED HTG. CAP. @ 17°F 21,600
	SEER2/EER2 RATING @ AHRI 22.5/14.05
	COP RATING @ 47°F 3.77

REMARKS:

- PRIOR TO ORDERING, CONTRACTOR SHALL VERIFY VOLTAGE AND ALL ELECTRICAL REQUIREMENTS. INDOOR UNIT RECEIVES POWER AND COMMUNICATION FROM OUTDOOR UNIT THROUGH FIELD SUPPLIED INTERCONNECTED WIRING.

- PROVIDE UNITS WITH LOW AMBIENT COOLING OPERATION DOWN TO 0°F WITH WIND BAFFLE ACCESSORY, R-454B VARIABLE REFRIGERANT FLOW, DC INVERTER-DRIVEN COMPRESSOR, BUILT-IN DRAIN LIFT CONDENSATE REMOVAL, INDEPENDENT VANE MOTOR CONTROL, WIRED REMOTE CONTROLLER, FRESH AIR INTAKE AND DPLS1 SOLID STATE DRAIN PAN LEVEL SENSOR.

FAN SCHEDULE

SYMBOL	EF-1 & 2	EF-3
MANUFACTURER	GREENHECK	
MODEL NUMBER	SP-B150	SP-A90
AIRFLOW (C.F.M.)	150	75
EXTERNAL STATIC PRESSURE (IN.)	0.26	0.26
DRIVE TYPE	DIRECT	DIRECT
DAMPER SIZE (IN)	INTEGRAL	INTEGRAL
ROOF/WALL OPENING SIZE (IN.)	---	---
DISCHARGE CAP NUMBER	---	---
SONES	3	0.4
MOTOR HP	FRACTIONAL	FRACTIONAL
FAN R.P.M.	1050	900
VOLTAGE	115/1/60	115/1/60
WEIGHT (LBS.)	11	13

REMARKS:

- PRIOR TO ORDERING, CONTRACTOR SHALL VERIFY VOLTAGE AND ALL ELECTRICAL REQUIREMENTS.

- PROVIDE ALL EF'S WITH WALL MOUNTED MOTION SENSOR.

M

MECA

Mechanical Engineering
Consulting Associates, Inc.

2330 Main St.
Columbia, South Carolina 29201
Phone: (803) 765-9421
www.mecainc.com

Designed: FSC
Approved: PPC
Job No.: 26130
Plot Date: 09/21/2026

METHOD WORKS
ARCHITECTURE

807 Gervais St.
Suite 302
Columbia, SC 29201
www.themethodworks.com

CERTIFICATE OF ACHIEVEMENT
MECHANICAL ENGINEERING
CONSULTING ASSOCIATES, INC.
1000 PHILIPPIAN DRIVE
COLUMBIA, SC 29201
9/21/2026

AIKEN INTERMEDIATE - BUS
TRANSPORTATION OFFICE

AIKEN COUNTY PUBLIC SCHOOL
DISTRICT

101 GATOR LN. AIKEN, SC 29801

Drawing Title:
MECHANICAL
SCHEDULES

Drawing No.
M2.1

Project Number
M-25-119

Drawn By
FSC

Checked By
BCW

Date
09/21/2026

ROUND SHEETMETAL DUCT WITH FIBERGLASS WRAP (TYPICAL AS SHOWN)

8'-0" FLEXIBLE DUCT (MAX.)

DUCTWORK TIGHT TO 3/4" OF STRUCTURE UNLESS OTHERWISE NOTED ON PLANS

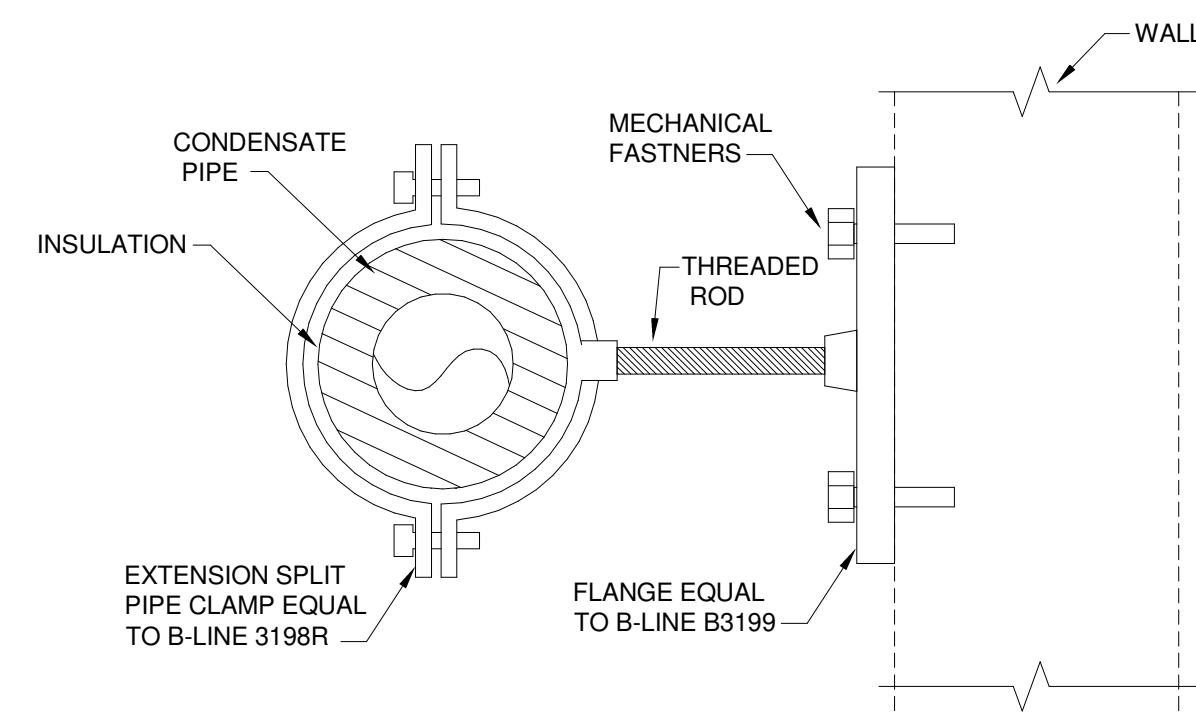
PROVIDE RADIUS ELBOW WITH 6" EXTENSION FOR FLEX DUCT CONNECTION.

PROVIDE INSULATION ON BACK OF DIFFUSER/GRILLE

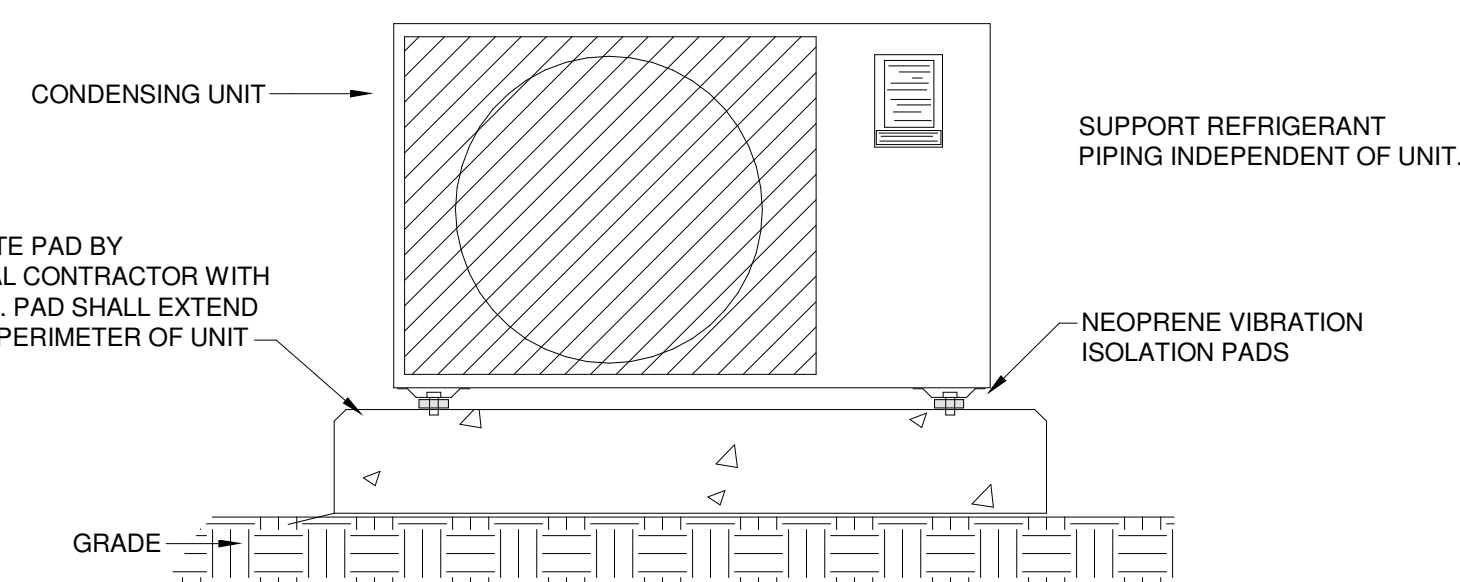
CEILING

CEILING DIFFUSER OR RETURN GRILLE

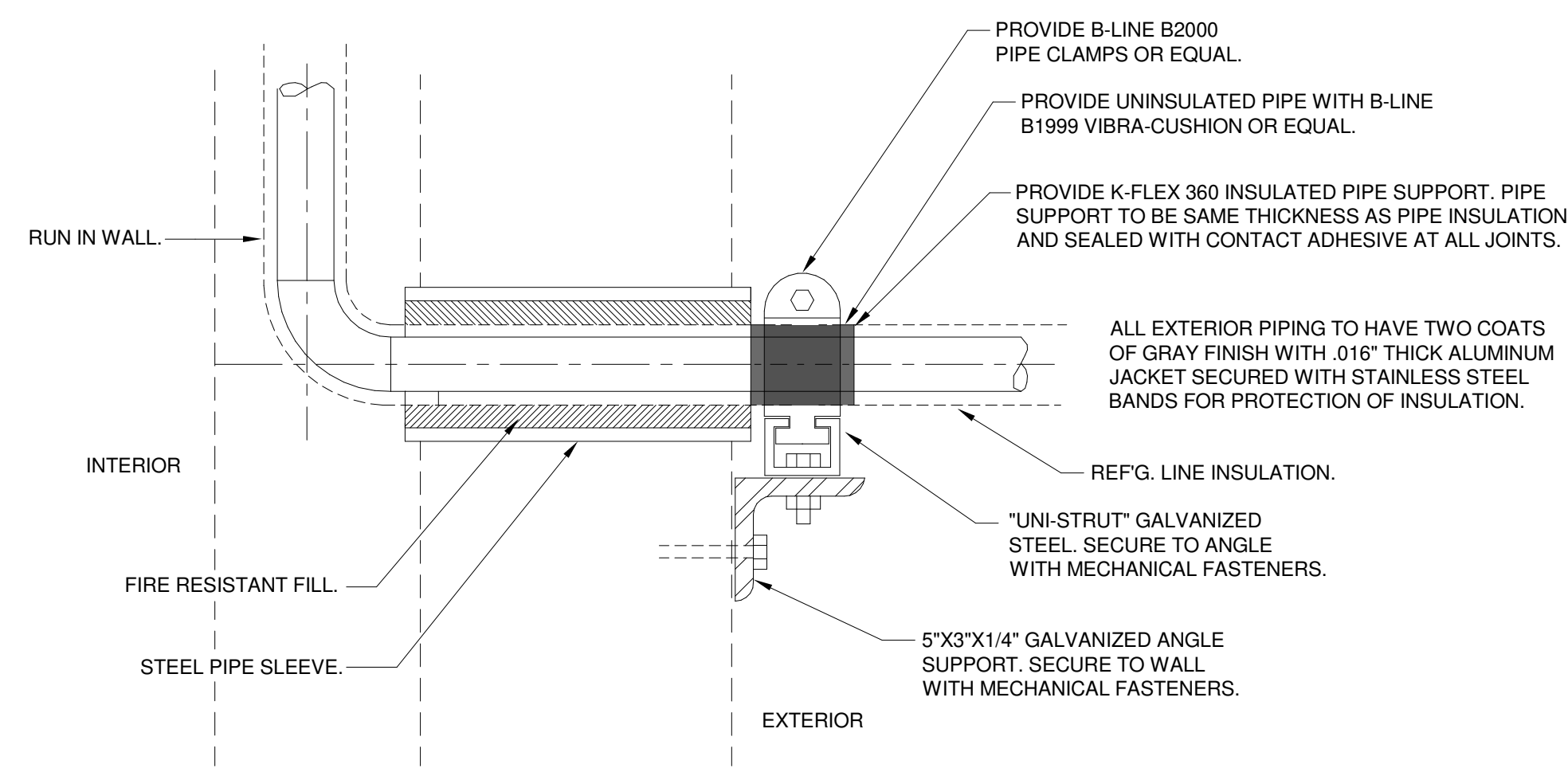
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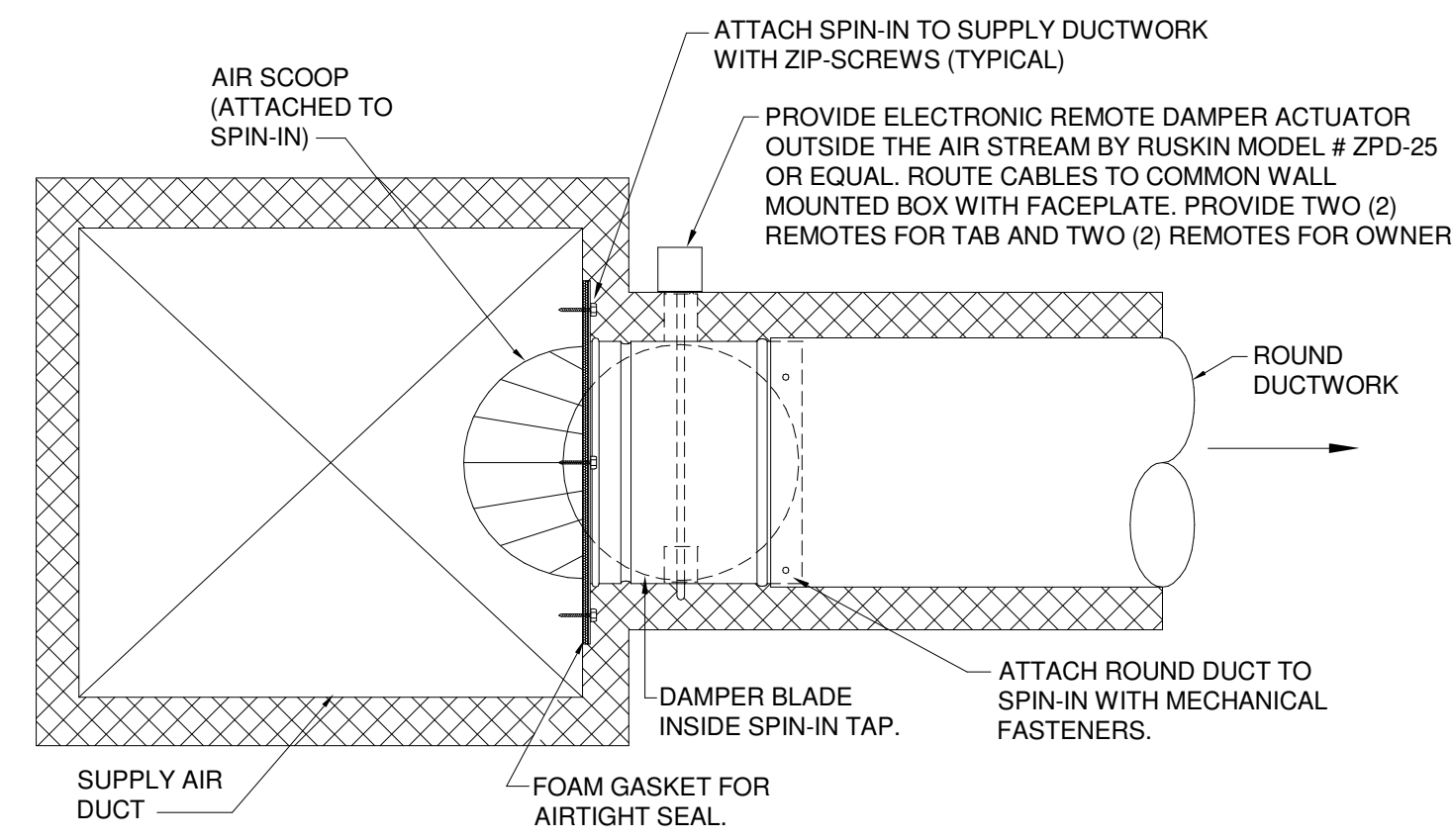
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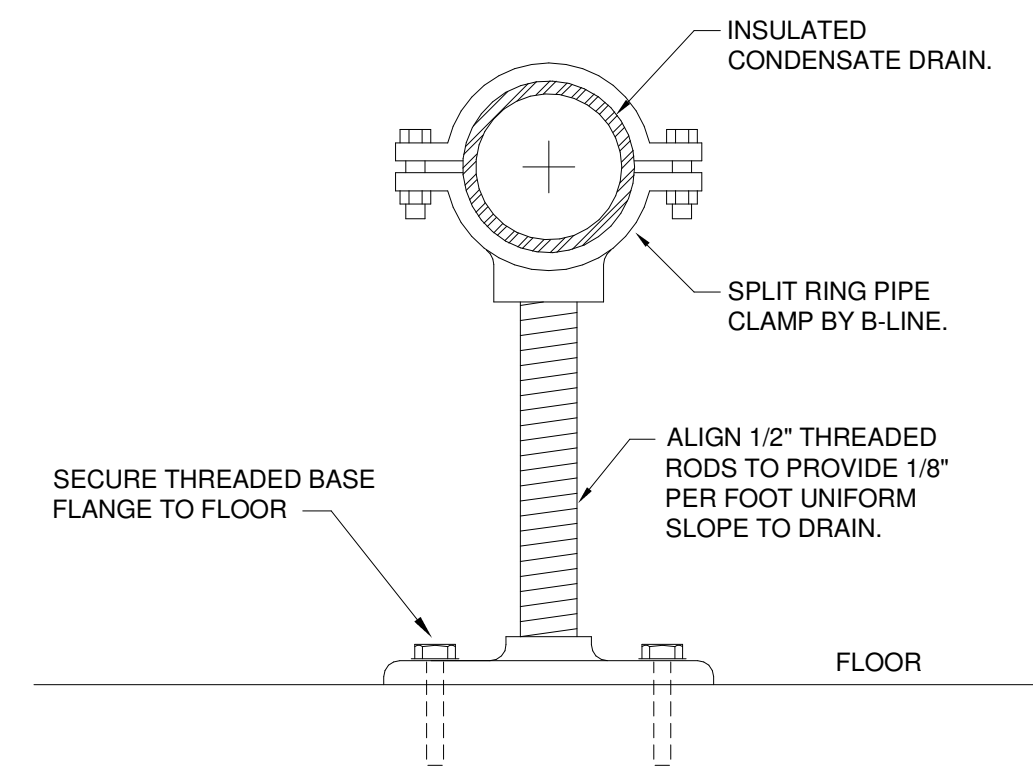
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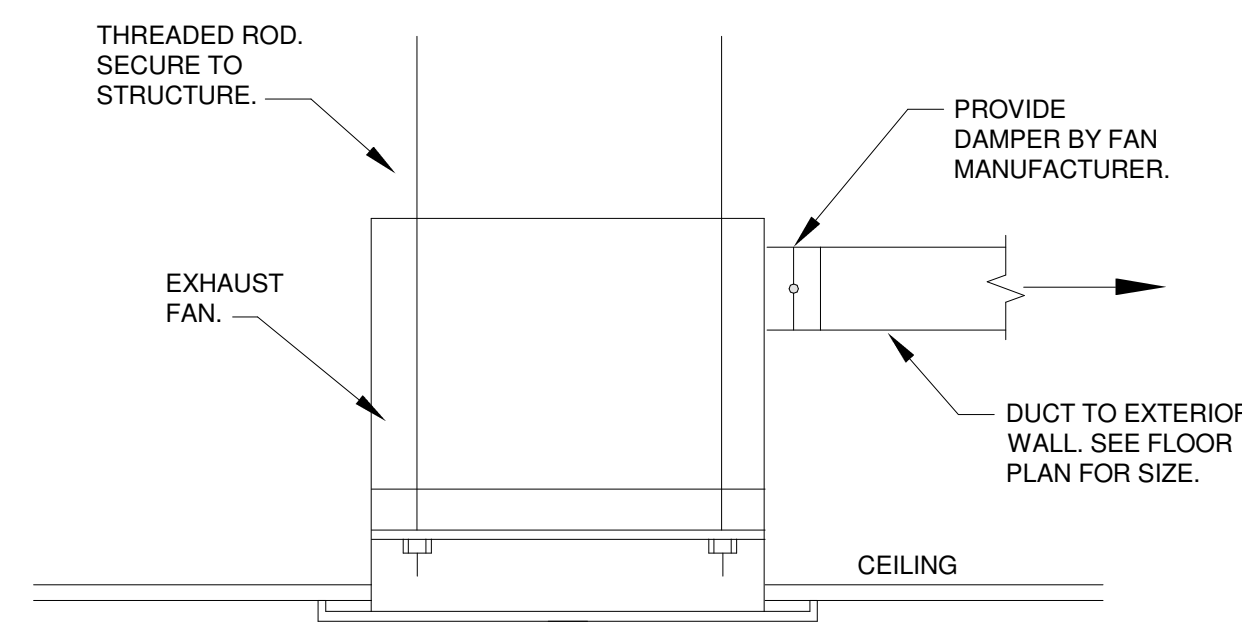
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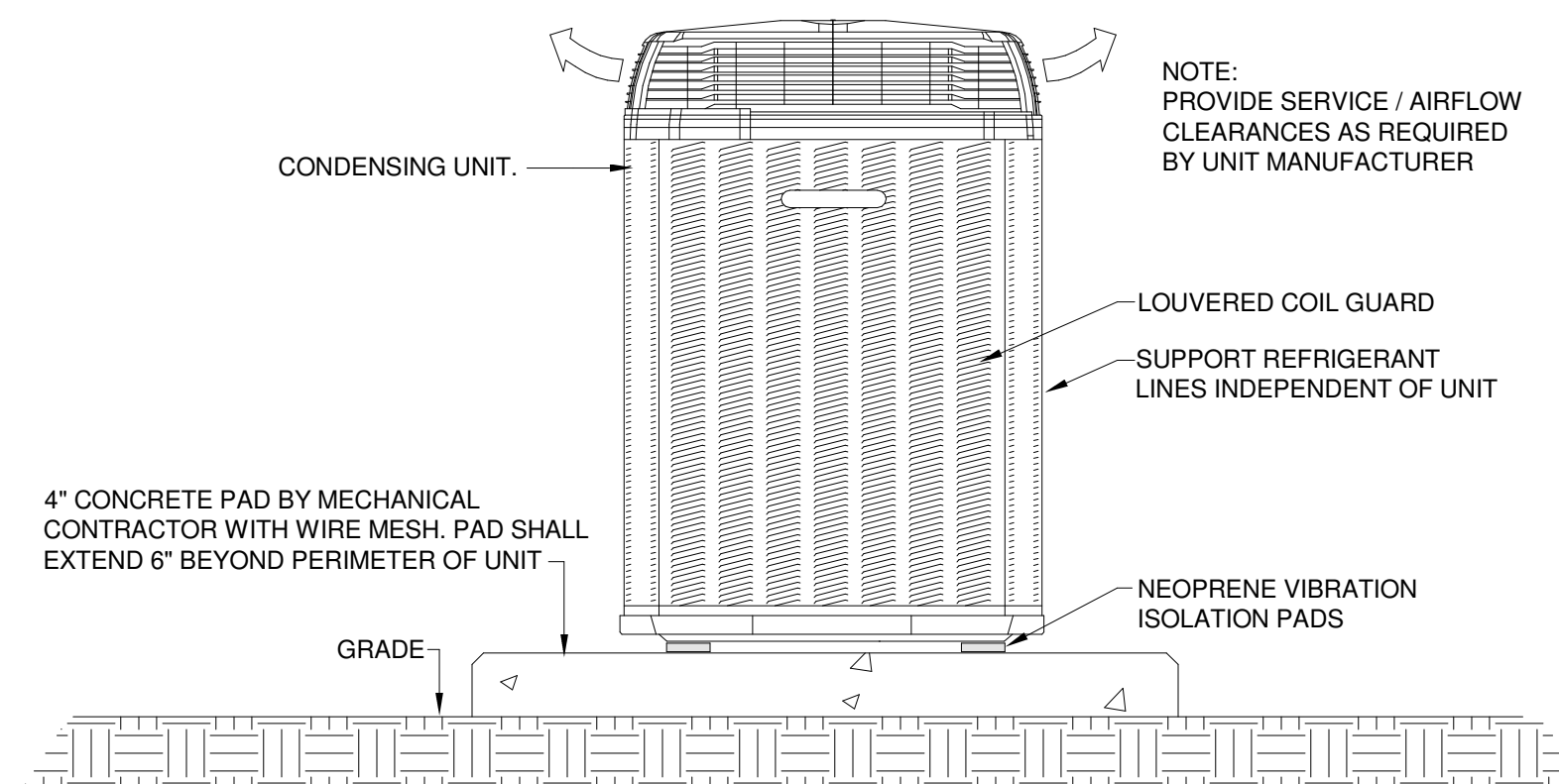
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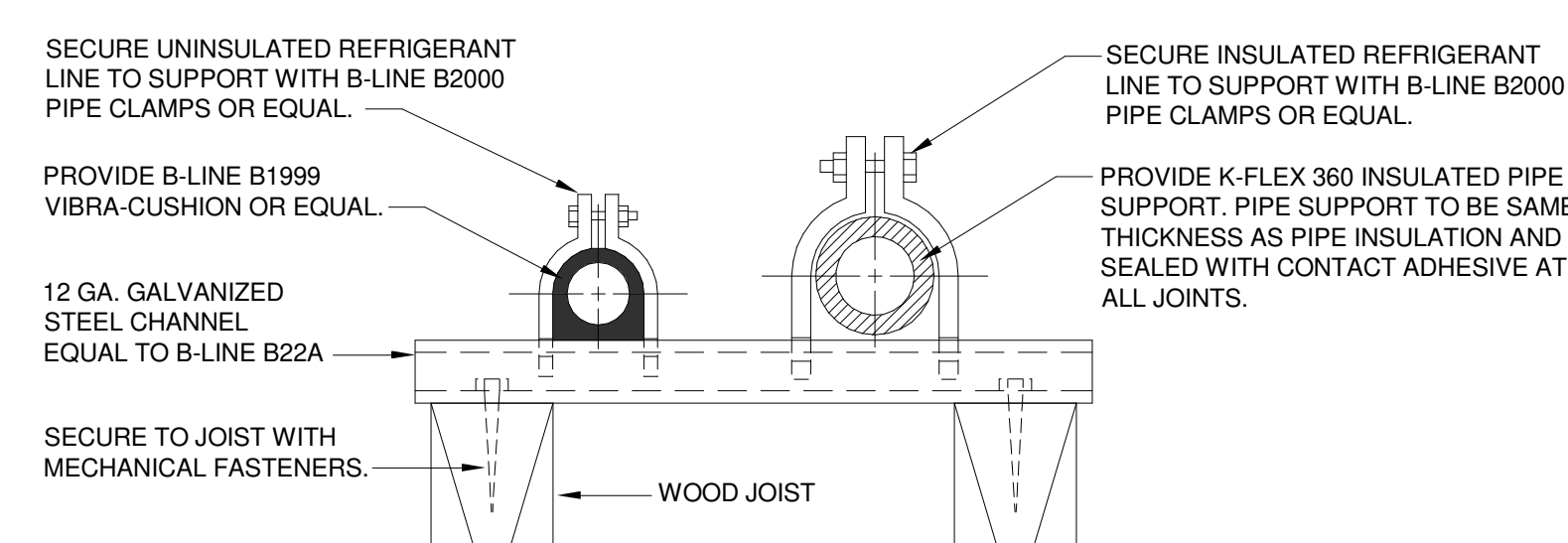
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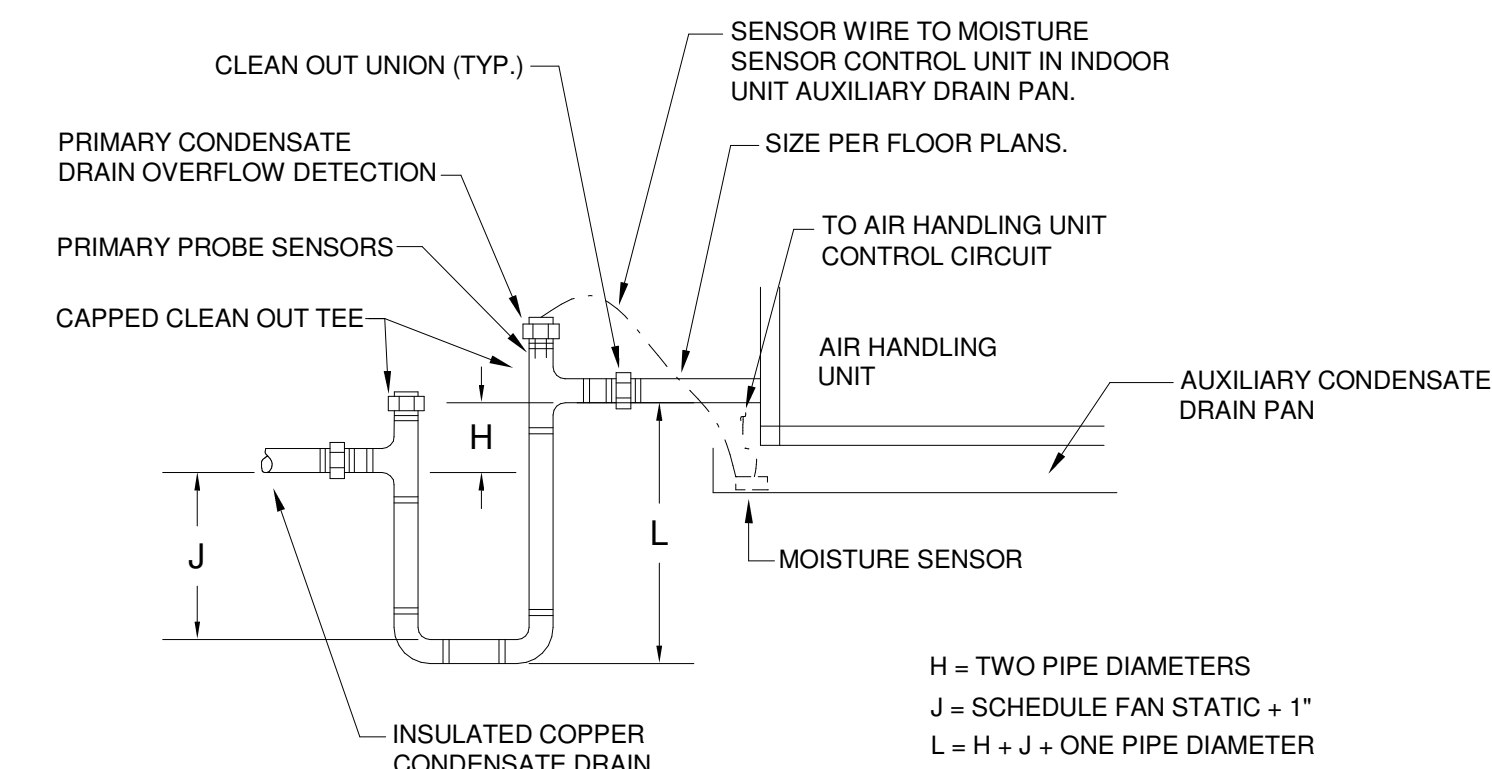
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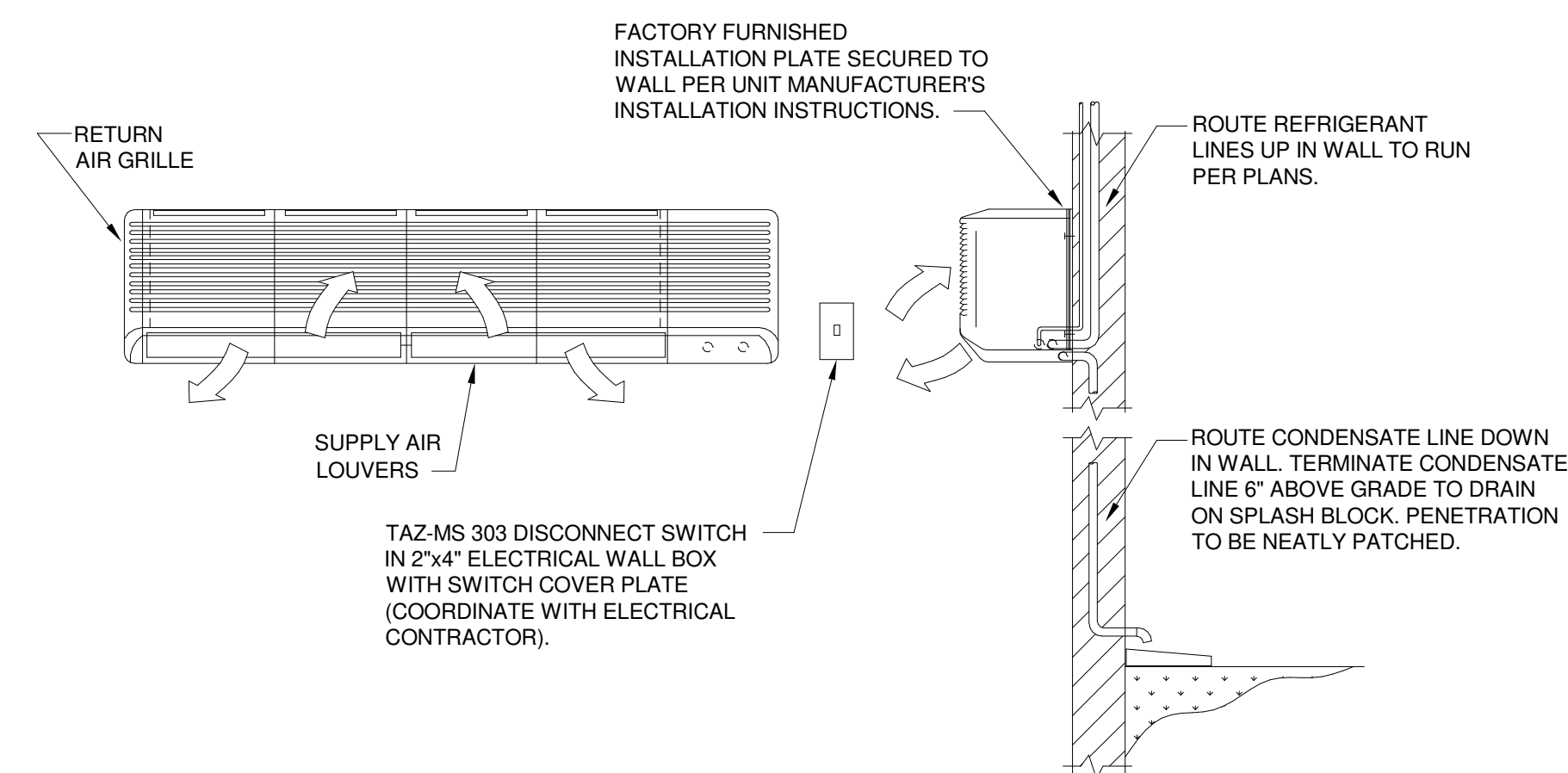
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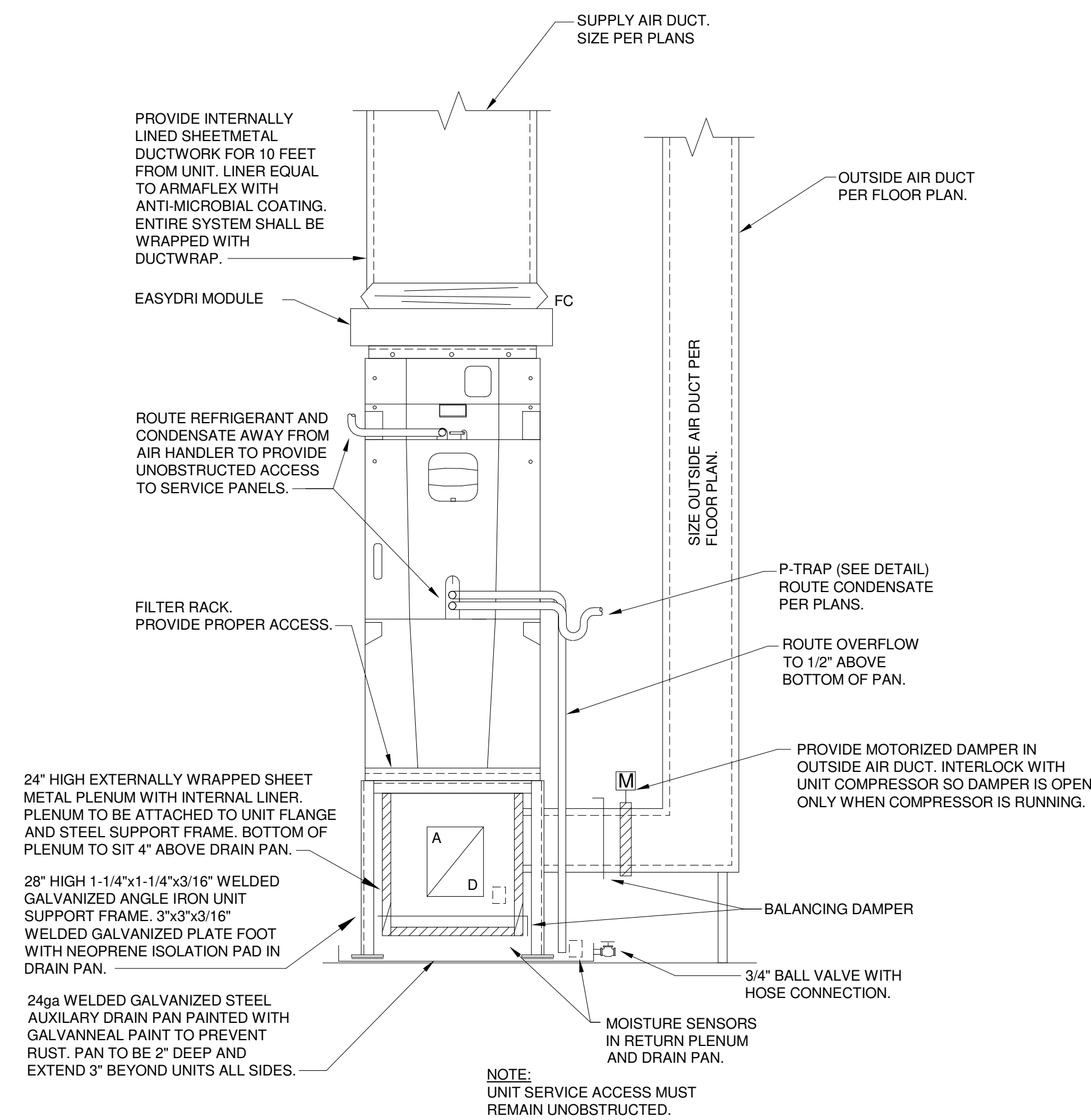
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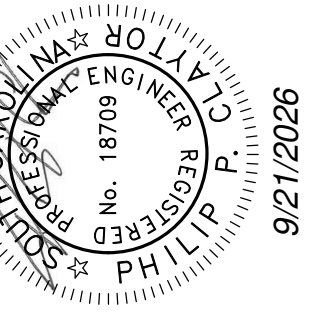
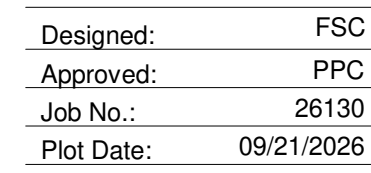
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**AIKEN INTERMEDIATE - BUS
TRANSPORTATION OFFICE**

**AIKEN COUNTY PUBLIC SCHOOL
DISTRICT**

101 GATOR LN. AIKEN, SC 29801

M-25-119

Checked By	BGW
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09/21/2026

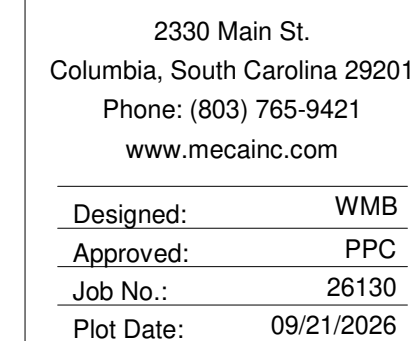
MECHANICAL DETAILS

Drawing No.

M2.2

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PLUMBING LINETYPE LEGEND

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**AIKEN INTERMEDIATE - BUS
TRANSPORTATION OFFICE**

**AIKEN COUNTY PUBLIC SCHOOL
DISTRICT**

1101 GATOR LN, AIKEN, SC 29801

Project Number	M-25-119
Drawn By	WMB
Checked By	WMB
Date	09/21/2026

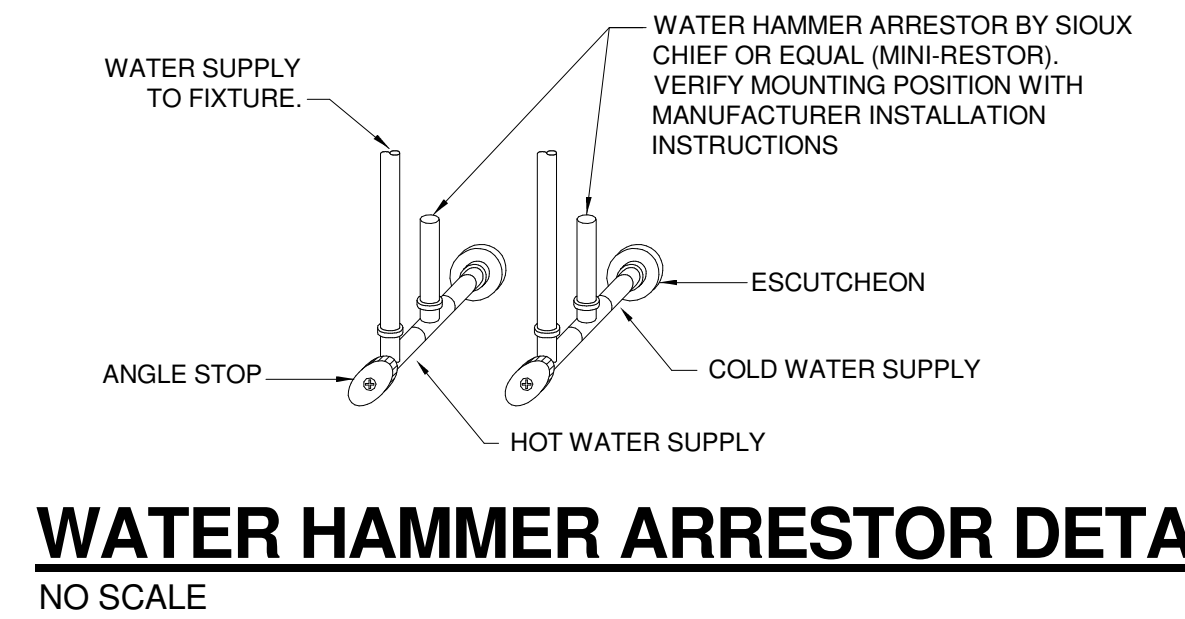
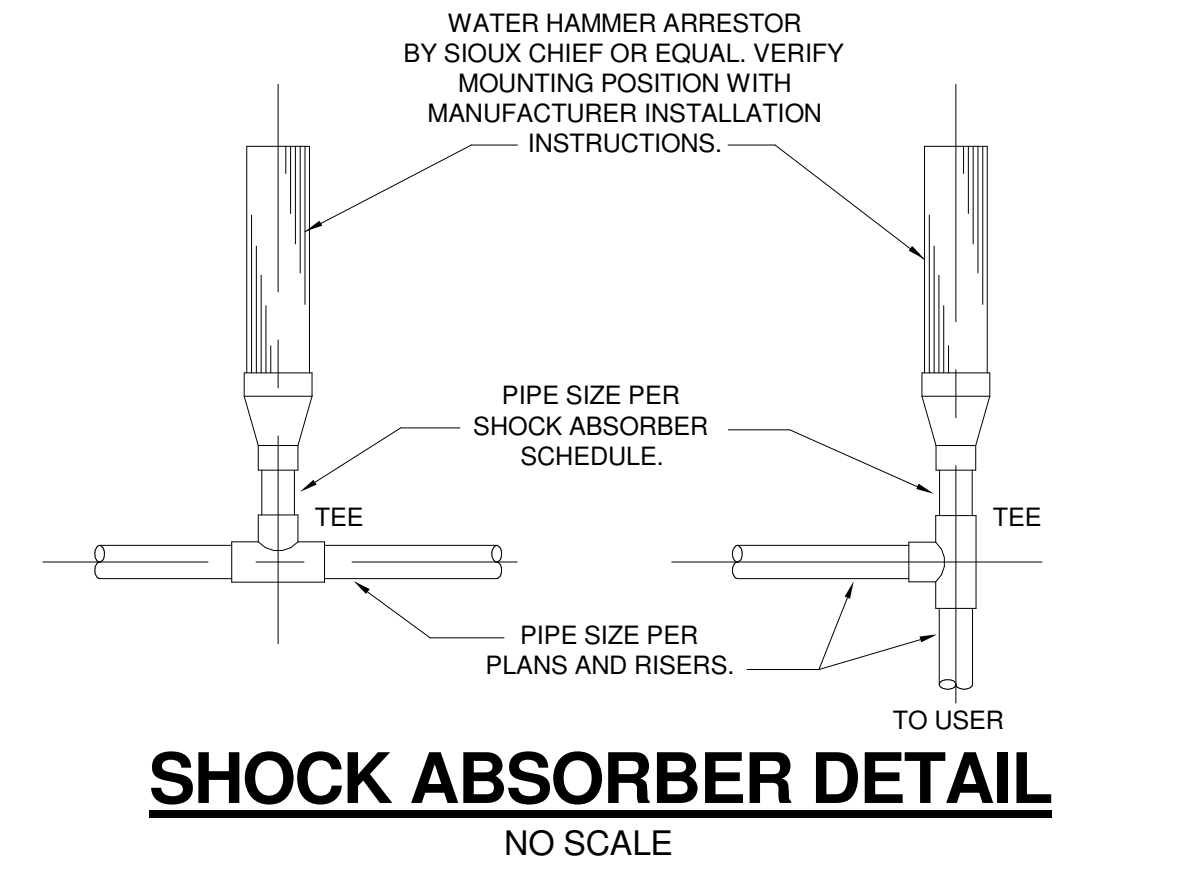
Drawing Title.

**PLUMBING FLOOR
PLANS**

Drawing No

P1.1

EXPANSION TANK SCHEDULE		
SYMBOL	ET-1	
MANUFACTURER	AMTROL (THERM-X-TROL)	
MODEL NUMBER	ST-5	
TANK VOLUME (GALLONS)	2.0	
ACCEPTANCE VOLUME (GAL)	0.9	
TANK DIAMETER (INCHES)	8	
TANK HEIGHT (INCHES)	11	
FILL PRESSURE (PSIG)	60	
OPERATING WEIGHT (LBS)	15	
SERVICE	DOM. HOT WATER	
MAXIMUM PRESSURE (PSIG)	150	
REMARKS:		



PLUMBING FIXTURE SCHEDULE					
SYMBOL	DESCRIPTION	CONNECTION			REMARKS
		CW	HW	WASTE	
P-1	WATER CLOSET	1"		3"	FLOOR MOUNTED FLUSH VALVE
P-2	WATER CLOSET - ADA	1"		3"	FLOOR MOUNTED FLUSH VALVE
P-3	URINAL - ADA	3/4"		2"	WALL MOUNTED FLUSH VALVE
P-4	LAVATORY - ADA	1/2"	1/2"	1-1/2"	RECT. WALL MOUNTED
P-5	LOUNGE SINK - ADA	1/2"	1/2"	1-1/2"	DOUBLE BOWL UNDER COUNTER MOUNTED
P-6	WATER COOLER - ADA	1/2"		1-1/2"	WALL MOUNTED BI-LEVEL W/ BOTTLE FILLER
P-7	MOP BASIN	1/2"	1/2"	3"	CORNER TYPE
DWH-1	WATER HEATER	1"	1"		30 GALLON 4.5KW 240-1-60 VOLT.
IMB	ICE MAKER CONNECTION BOX	1/2"			
MV-1	TEMPERATURE MIXING VALVE	1"	1"		SET TO 120° F MAX.
BFP	BACKFLOW PREVENTER	2"			MOUNT IN VERTICAL RISER
EHB	EXTERIOR HOSE BIBB	3/4"			
SA	SHOCK ABSORBER	REMARKS			SIZE PER SCHEDULE
FD	FLOOR DRAIN			3"	
FCO	FLOOR CLEANOUT			4"	
ECO	EXTERIOR CLEANOUT			4"	

GENERAL PLUMBING NOTES

DO NOT SCALE DRAWINGS. ROUGH FROM ARCHITECTURAL AND/OR EQUIPMENT MANUFACTURERS DRAWINGS AND ROUGH IN SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND PLACEMENT OF FIXTURES. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

ALL HORIZONTAL SANITARY SEWER, WASTE AND DRAIN PIPING SHOWN ON DRAWINGS IS RUN BELOW FLOOR UNLESS OTHERWISE NOTED ON DRAWINGS.

ALL WATER, SERVICE AND ROOF DRAIN PIPING SHOWN ON DRAWINGS IS RUN ABOVE CEILING UNLESS OTHERWISE NOTED ON DRAWINGS.

HOSE BIBBS AND/OR WALL HYDRANTS SHALL BE LOCATED 18" ABOVE FINISHED FLOOR LEVEL OR GRADE.

ALL VALVES INSTALLED ABOVE CEILINGS SHALL BE EASILY ACCESSIBLE. WHERE VALVES ARE INSTALLED ABOVE GYPSUM BOARD CEILINGS, PLUMBING CONTRACTOR SHALL PROVIDE ACCESS DOOR(S); MINIMUM 16"x16", TO ALLOW EASY ACCESS.

PLUMBING CONTRACTOR SHALL VERIFY ELECTRICAL VOLTAGES WITH ELECTRICAL CONTRACTOR PRIOR TO SUBMITTING SHOP DRAWING AND ORDERING EQUIPMENT.

PLUMBING CONTRACTOR SHALL VERIFY ALL RATED WALL ASSEMBLIES, FLOORS AND ROOF ASSEMBLIES WITH ARCHITECTURAL DRAWINGS AND GENERAL CONTRACTOR AND SHALL PROVIDE APPROPRIATE PENETRATION ASSEMBLY FOR ALL PENETRATIONS OF WALLS, FLOORS AND ROOFS WHETHER IDENTIFIED ON DRAWINGS OR NOT.

ALL FLOOR PENETRATIONS ARE TO BE SEALED WATER TIGHT. WHERE PENETRATIONS OCCUR IN RATED FLOOR ASSEMBLIES, SEALING MUST CARRY A CLASS 1 "W" RATING.

PLUMBING CONTRACTOR SHALL VERIFY LOCATION, ELEVATIONS AND INVERTS OF ALL EXISTING SANITARY AND STORM SEWER SYSTEMS IDENTIFIED ON THESE DRAWINGS AND SHALL ADVISE ENGINEER OF ANY DISCREPANCIES WHICH EXISTS.

PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH OTHER DISCIPLINES TO ELIMINATE CONFLICTS. FAILURE TO DO SO WILL RESULT IN PLUMBING CONTRACTOR BEARING EXPENSE OF CHANGE ORDERS WHICH MAY RESULT.

PLUMBING CONTRACTOR SHALL REVIEW ALL PLUMBING AND ARCHITECTURAL DRAWINGS PRIOR TO BID DATE AND VERIFY NUMBER AND LOCATION OF ALL EQUIPMENT AND FIXTURES. ANY EQUIPMENT AND/OR FIXTURES INDICATED ON ARCHITECTURAL DRAWINGS AND NOT SHOWN ON PLUMBING DRAWINGS SHALL BE INCLUDED IN CONTRACTORS BID AND SCOPE OF WORK AND SHALL INCLUDE ALL MATERIALS, PIPING AND LABOR REQUIRED TO CONNECT EQUIPMENT AND/OR FIXTURES TO NEAREST SERVICE OF ADEQUATE SIZE. EQUIPMENT AND/OR FIXTURES SHALL BE AS SPECIFIED OR APPROVED EQUAL. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING BELOW BUILDING WITH STRUCTURAL DRAWINGS TO AVOID CONFLICTS.

ALL PIPING SHALL BE SUPPORTED FROM STRUCTURAL STEEL AND/OR CONCRETE BEAMS AND STRUCTURE. PIPING SUPPORTED FROM ROOF AND/OR FLOOR METAL DECKING WILL NOT BE ALLOWED.

ALL PLUMBING WORK IS TO BE INSTALLED IN ACCORDANCE WITH THE 2021 EDITION OF THE INTERNATIONAL PLUMBING CODE AND IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS.

SLOPE ON ALL SEWER, WASTE AND DRAIN PIPING SHALL COMPLY WITH ALL STATE AND LOCAL CODES AND SHALL BE IN ACCORDANCE WITH CHAPTER 7 OF THE 2021 INTERNATIONAL PLUMBING CODE.

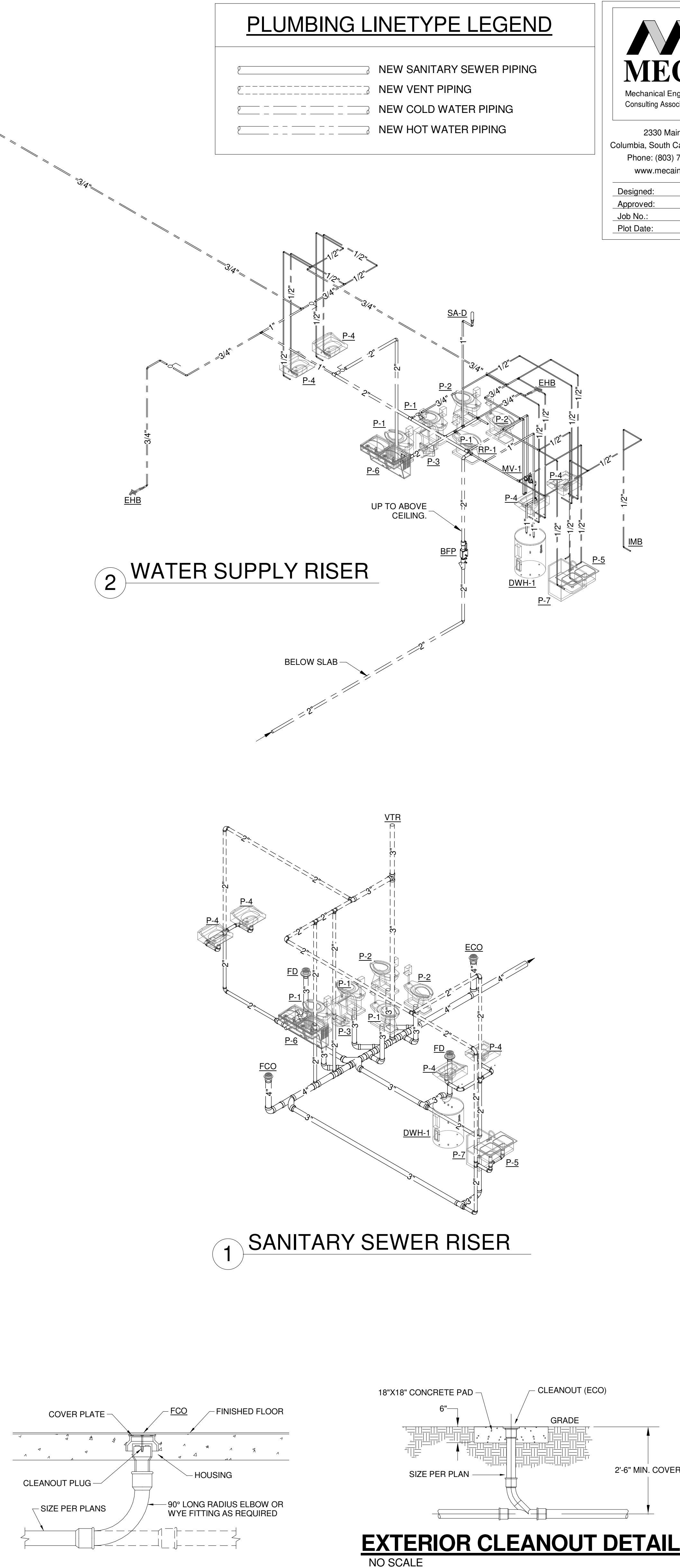
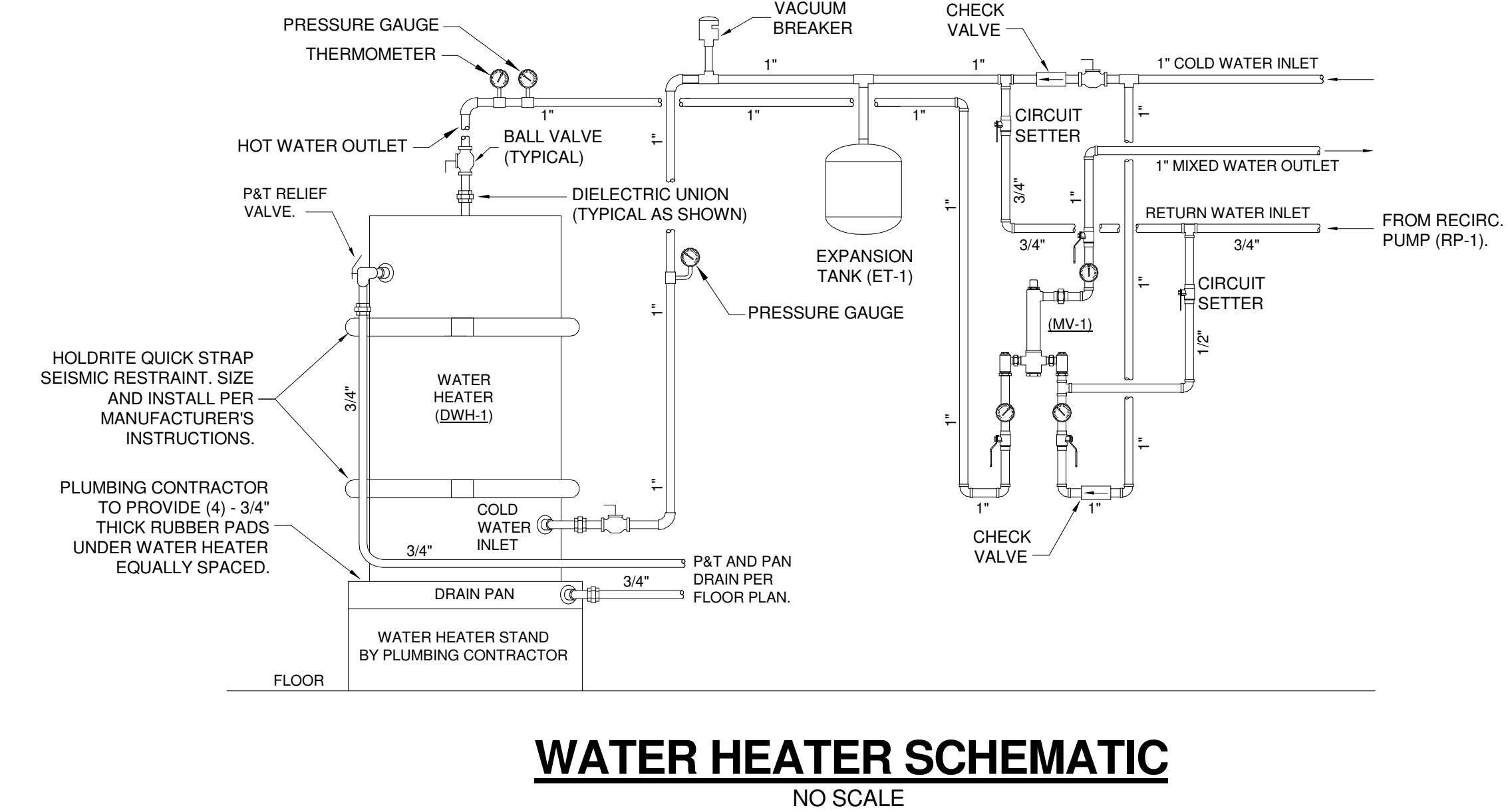
GENERAL AND PLUMBING CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO ENGINEER/ARCHITECT. PROVIDE GENERAL & PLUMBING "APPROVED" OR "APPROVED AS NOTED" STAMPS ON SUBMITTAL PRIOR TO SUBMITTING FOR ENGINEER'S/ARCHITECT'S REVIEW.

ALL WATER PIPING INSTALLED ABOVE GRADE OUTSIDE OF THE BUILDING HEATED ENVELOPE IS TO BE HEAT TRACED AND INSULATED. LOCATIONS INCLUDE BUT ARE NOT LIMITED TO BUILDING EXTERIOR, ATTICS, CRAWL SPACES, AND GARAGES. HEAT TRACE IS TO BE SELF REGULATING RAYCHEM XL TRACE; 5 WATTS/FT. OR EQUAL. INSULATION TO BE 1" FIBERGLASS. WHERE INSULATION IS EXPOSED TO PRECIPITATION, ALUMINUM JACKET IS TO BE PROVIDED.

INSULATE ALL WATER PIPE, HORIZONTAL ROOF DRAIN PIPING, AND SANITARY SEWER PIPING WHICH RECEIVES CONDENSATE FROM MECHANICAL UNITS AND OR DISCHARGE FROM ICE MACHINES/MAKERS, ABOVE GRADE WITH 1" THICK FIBERGLASS PIPE INSULATION, 3 LB. DENSITY, GASTON-BARON SNAP-ON, OWENS CORNING FIBERGLASS, OR KNAUF WITH STANDARD VAPOR BARRIER JACKET. SEAL ALL SEAMS AND JOINTS WITH WATERPROOF MASTIC. IN EXPOSED INTERIOR AREAS, SUCH AS MECHANICAL ROOMS, COVER INSULATION WITH 10 OZ. CANVAS JACKET SECURED AND TREATED WITH AEROSOL ADHESIVE AND INSTALL PVC JACKETS AT ALL ELBOWS, JOINTS ETC. COVER INSULATION IN EXTERIOR EXPOSED AREAS WITH .018" CORRUGATED ALUMINUM JACKET. SECURE JACKET WITH BANDS AND SEAL WATER TIGHT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

PLUMBING CONTRACTOR TO FLUSH, CLEAN, AND SCOPE ALL BELOW SLAB WASTE PIPING WITH CAMERA PRIOR TO SLAB BEING POURED. CAMERA SCOPE SHALL TAKE PLACE IMMEDIATELY AFTER WATER HAS BEEN DRAINED FROM THE PIPE AND AFTER BACKFILL AND COMPACTION. AT THE CONTRACTOR'S OPTION, AN ADDITIONAL SCOPE MAY BE PERFORMED PRIOR TO BACKFILL. PROVIDE TAPE TO ENGINEER FOR REVIEW. IF AREAS OF BELOW SLAB PIPING ARE DETERMINED TO BE UNSATISFACTORY, THE CONTRACTOR SHALL REMOVE AND REPAIR PIPING TO A SATISFACTORY CONDITION. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL CAMERA BELOW SLAB PIPE, AND PROVIDE A TAPE OF FINAL CONDITIONS WITH DESCRIPTION OF PIPE LOCATION TO THE OWNER.

SHOCK ABSORBER SCHEDULE					
SYMBOL	SA-AA	SA-A	SA-B	SA-C	SA-D
MANUFACTURER	SIOUX CHIEF				
MODEL NUMBER	660	652-A	653-B	654-C	655-D
F.U. RATING	1 - 4	1 - 11	12 - 32	33 - 60	61 - 113
CONNECTION SIZE	1/2"	1/2"	3/4"	1"	1"



MECA

Mechanical Engineering Consulting Associates, Inc.

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AIKEN INTERMEDIATE - BUS
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AIKEN COUNTY PUBLIC SCHOOL
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101 GATOR LN. AIKEN, SC 29801

Project Number
M-25-119

Drawn By
WMB

Checked By
WMB

Date
09/21/2026

Drawing Title:
PLUMBING SCHEDULES,
DETAILS AND RISERS

Drawing No.
P2.1

LEGEND

	LIGHTING AND POWER
	CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL CONTAINING 3 NUMBER 12 CONDUCTORS UNLESS SHOWN OTHERWISE. HASH MARKS, IF SHOWN, INDICATE QUANTITY OF NUMBER 12 CONDUCTORS. WHERE DRAWING SPACE PROHIBITS HASH MARKS BEING SHOWN REFER TO PANEL NUMBERS AND PROVIDE REQUIRED NUMBER OF CONDUCTORS PER CIRCUIT TYPE.
	CONDUIT RUN CONCEALED IN OR BELOW FLOOR SLAB, OR UNDERGROUND.
	HOMERUN TO PANELBOARD, LETTER OR LETTERS INDICATE PANELBOARDS, NUMBERS INDICATE CIRCUIT NUMBERS.
	L.E.D. LIGHTING FIXTURE, "2" INDICATES THE CIRCUIT NUMBER AND "E" THE FIXTURE TYPE. SEE FIXTURE SCHEDULE FOR DIMENSIONS AND MOUNTING TYPE.
	L.E.D. FIXTURE, SURFACE OR STEM MOUNTED.
	L.E.D. TROFFER FIXTURE. SEE FIXTURE SCHEDULE FOR DIMENSIONS AND MOUNTING TYPE.
	L.E.D. LIGHTING FIXTURE, SURFACE WALL BRACKET MOUNTED. MOUNTING HEIGHT AS NOTED.
	L.E.D. LIGHTING FIXTURE, SURFACE WALL BRACKET MOUNTED. MOUNTING HEIGHT AS NOTED. SEE FIXTURE SCHEDULE FOR BATTERY PACK INFORMATION.
	EXIT LIGHT.
	EMERGENCY PACK FIXTURE.
	JUNCTION BOX LOCATED ABOVE CEILING OR BELOW GRADE.
	JUNCTION BOX, FLUSH WALL MOUNTED.
	DUPLEX CONVENIENCE OUTLET, +18" TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED. 5" INDICATES THE CIRCUIT NUMBER.
	DUPLEX CONVENIENCE OUTLET MOUNTED ABOVE COUNTER, AT +48" TO CENTERLINE OF OUTLET.
	DUPLEX CONVENIENCE OUTLET, GFI TYPE, +18" TO CENTER LINE UNLESS OTHERWISE NOTED. "WP" WHERE SHOWN INDICATES WEATHER-RESISTENT DEVICE WITH METAL IN-USE WEATHERPROOF COVER.
	DUPLEX CONVENIENCE OUTLET, GFI TYPE, MOUNTED ABOVE COUNTER AT +48" TO CENTERLINE OF RECEPTACLE UNLESS NOTED OTHERWISE.
	QUADRUPLX RECEPTACLE, +18" TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
	QUADRUPLX RECEPTACLE, +48" TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
	SINGLE POLE TOGGLE SWITCH, +48" TO CENTER LINE MOUNTING HEIGHT.
	THREE OR FOUR WAY SWITCH AS INDICATED, +48" TO CENTER LINE MOUNTING HEIGHT.
	LED DECORA STYLE DIMMER WITH ROCKER ON/OFF SWITCH AND SLIDE DIMMER ON SIDE OF ROCKER. 0-10VDC CAPABLE DIMMER +48" MOUNTING HEIGHT. LUTRON "DIVA 0-10V" OR EQUAL, BY LEVITON, WATTSOPPER, HUBBELL, OR COOPER. (NO ADDITIONAL POWER PACK REQUIRED). DIVISION 26 SHALL PROVIDE ALL ADDITIONAL CONDUCTORS TO ALL FIXTURES CONNECTED FOR A PROPER 0-10VDC OPERATION. GRAY FINISH.
	LED DECORA STYLE DIMMER WITH ROCKER ON/OFF SWITCH AND SLIDE DIMMER ON SIDE OF ROCKER. 0-10VDC CAPABLE DIMMER WITH PASSIVE INFRARED OCCUPANCY SENSOR, +48" MOUNTING HEIGHT, GRAY FINISH. LUTRON "DIVA 0-10V" OR EQUAL BY LEVITON, WATTSOPPER, HUBBELL, OR COOPER. DIMMER MUST BE COMPATIBLE WITH ALL LIGHTING COMPONENTS (NO ADDITIONAL POWER PACK REQUIRED). DIVISION 26 SHALL PROVIDE ALL ADDITIONAL CONDUCTORS TO ALL FIXTURES CONNECTED FOR PROPER 0-10V OPERATION.
	LED DECORA STYLE DIMMER WITH ROCKER ON/OFF SWITCH AND SLIDE DIMMER ON SIDE OF ROCKER. 0-10VDC CAPABLE THREE WAY DIMMER, +48" MOUNTING HEIGHT. LUTRON "DIVA 0-10V" OR EQUAL BY LEVITON, WATTSOPPER, HUBBELL, OR COOPER. (NO ADDITIONAL POWER PACK REQUIRED). DIVISION 26 SHALL PROVIDE ALL ADDITIONAL CONDUCTORS TO ALL FIXTURES CONNECTED FOR A PROPER 0-10VDC OPERATION. GRAY FINISH.
	PANELBOARD, SEE SCHEDULE.
	DISCONNECT SWITCH, SIZE AS NOTED ON DRAWINGS. FUSED PER MANUFACTURER'S NAME PLATE DATA OF EQUIPMENT SERVED.
	MANUAL MOTOR STARTER / DISCONNECT, SIZE AS NOTED ON DRAWINGS.
	SINGLE OR DOUBLE POLE, MINIMUM 20 AMP MOTOR RATED ENCLOSED SWITCH WITH "LOCK-OUT" OPTION, MOUNTED NEAR EQUIPMENT BEING SERVED.
	MOTOR.
	ELECTRICAL WATER COOLER: PROVIDE A DUPLEX RECEPTACLE AT WATER COOLER. CIRCUIT SHALL BE GFCI PROTECTED. REFER TO DETAIL 3/E.3.1 FOR ROUGH-IN.
OCCUPANCY SENSORS	
	SWITCH, WALL MOUNTED OCCUPANCY SENSOR (WATTSOPPER PW-100 OR EQUAL), +48" TO CENTER LINE MOUNTING HEIGHT.
	DUAL TECHNOLOGY OCCUPANCY SENSOR, CEILING MOUNTED AT CORNER UNLESS SHOWN OTHERWISE. INFRARED/ULTRASONIC (WATTSOPPER "DT" SERIES OR EQUAL), PROVIDE ALL NECESSARY COMPONENTS TO INSURE PROPER OPERATION (POWER PACKS, SLAVE PACKS, ETC.).
	ULTRASONIC OCCUPANCY SENSOR, CEILING MOUNTED (WATTSOPPER "UT" SERIES OR EQUAL), PROVIDE ALL NECESSARY COMPONENTS TO INSURE PROPER OPERATION (POWER PACKS, SLAVE PACKS, ETC.).
TELEPHONE / DATA SYSTEMS (DIVISION 26 TO PROVIDE AND INSTALL ALL CONDUIT, BACKBOXES, AND PULLSTRINGS AS NOTED BELOW. DEVICES AND CABLING ARE N.I.C.)	
	PLYWOOD BACKBOARD "T.B." INDICATES TELECOMMUNICATIONS BOARD.
	DATA OUTLET, +18" TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE. STUB UP 1" TO CEILING SPACE ABOVE.
	DATA OUTLET, +48" TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE. STUB UP 1" TO CEILING SPACE ABOVE.
	DATA OUTLET FOR WIRELESS ACCESS POINT, PROVIDE RECESSED CEILING MOUNTED BACKBOX WHERE SHOWN. COORDINATE FINAL LOCATIONS WITH OWNER'S LOW-VOLTAGE VENDOR PRIOR TO WORK.
C.C.T.V. SYSTEM (DIVISION 26 TO PROVIDE AND INSTALL ALL CONDUIT, BACKBOXES, AND PULLSTRINGS AS NOTED BELOW. DEVICES AND CABLING ARE N.I.C.)	
	CCTV SYSTEM CAMERA, WALL OR CEILING MOUNTED. "WP" INDICATES PROVIDE WEATHERPROOF BACKBOX.
ACCESS CONTROLS SYSTEM (DIVISION 26 TO PROVIDE AND INSTALL ALL CONDUIT, BACKBOXES, AND PULLSTRINGS AS NOTED BELOW. DEVICES AND CABLING ARE N.I.C.)	
	ACCESS CONTROL CARD ACCESS OR KEYPAD LOCATION. SEE DETAIL 2/E5.1.
	DOOR CONTACT POSITION SENSOR LOCATION. PROVIDE SINGLE GANG BOX BY DIVISION 16 AT DOOR FRAME ON SECURE SIDE OF DOOR. COORDINATE EXACT LOCATION WITH ACCESS CONTROL SYSTEM VENDOR. PROVIDE 3/4" C. WITH PULLSTRING FROM BOX TO STUB-OUT 6" ACCESSIBLE CEILING AT DOOR. SEE DETAIL 2/E5.1.

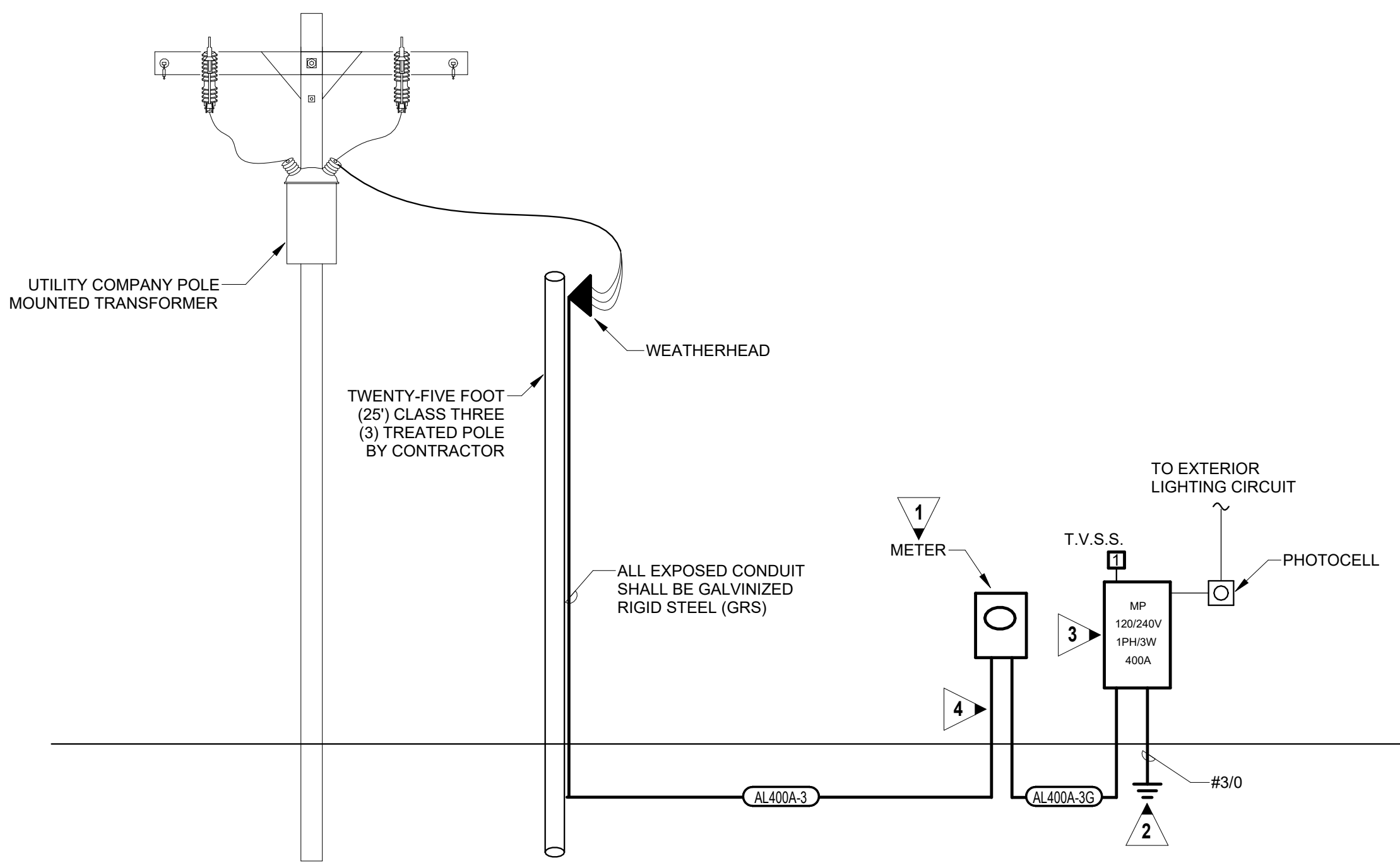
GENERAL NOTES:

- DO NOT SCALE DRAWINGS TO LOCATE EQUIPMENT OR OUTLETS.
- MOUNTING HEIGHTS AS INDICATED ON THE DRAWINGS SHALL BE FROM THE FINISHED FLOOR TO THE CENTER LINE OF THE OUTLET BOX.
- THE ELECTRICAL DRAWINGS ARE ONLY A PART OF THE CONTRACT DOCUMENTS. ALL OF THE DRAWINGS AND SPECIFICATIONS MUST BE REVIEWED FOR THEIR INTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN DISCIPLINES.
- 112 SYMBOL INDICATING ROOM OR SPACE NUMBER.
- IN AREAS WHERE COMPUTER OUTLETS AND TELEPHONE OUTLETS ARE LOCATED BENEATH A WINDOW, AND WINDOW PREVENTS THE ROUTING OF CONDUIT UP TO CEILING SPACE, CONDUIT SHALL BE ROUTED TO A WALL WHICH ALLOWS CONDUIT TO RISE UP TO CEILING SPACE.
- ALL CONDUIT ROUTED FROM DISCONNECT TO EXTERIOR HVAC UNITS SHALL BE ROUTED UNDERGROUND. TURN UP ADJACENT TO UNIT AND MAKE TRANSITION TO SEALTITE TO SERVE UNIT. CONDUIT SHALL BE ROUTED CONCEALED IN WALL.
- ALL FLUSH RECESSED OUTLET BOXES SHALL BE INSTALLED SUCH THAT FRONT EDGE OF BOX WILL NOT BE SET BACK OF THE FINISHED SURFACE MORE THAN 1/4" IN ORDER TO COMPLY WITH N.E.C. 314-20. SUPPORT OF OUTLET BOX BY RECEPTACLE AND COVERPLATE IS NOT ACCEPTABLE.
- ALL CONDUIT, MC CABLE, OUTLET BOXES, AND LOW VOLTAGE CABLING SHALL BE APPROPRIATELY SUPPORTED THROUGHOUT THE PROJECT. SUPPORT OF THESE ITEMS BY CEILING GRID OR GRID SUPPORT WIRES IS NOT ACCEPTABLE.
- ALL RECEPTACLES LOCATED WITHIN 6'-0" TO THE EDGE SINK OR OTHER WATER SOURCE SHALL BE GFCI TYPE DEVICE IN ACCORDANCE WITH N.E.C. 210-8.4.7. COORDINATE LOCATIONS WITH ARCHITECTURAL AND PLUMBING DRAWINGS PRIOR TO ROUGH-IN.
- COORDINATE EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH DIVISION 23 PRIOR TO ROUGH IN. ADJUST LOCATION OF DISCONNECTING MEANS AND BRANCH CIRCUITRY AS REQUIRED.
- ALL INTERIOR EXPOSED CONDUIT SHALL BE HARD PIPE EMT TYPE.
- METAL-CLAD (MC) CABLE SHALL BE PERMITTED FOR LIGHT FIXTURE AND WIRING DEVICE CONDUCTOR ROUTING. MC CABLE SHALL BE SUPPORTED AND SECURED AT INTERVALS NOT TO EXCEED SIX FEET (6') PER NEC 330.30.
- FOR MC CABLES CONTAINING FOUR (4) OR FEW CONDUCTORS SIZED #10 OR SMALLER, CABLING SHALL BE SECURED WITHIN TWELVE INCHES (12") OF EVERY OUTLET BOX, JUNCTION BOX, CABINET, FITTING, OR OTHER TERMINATION POINT.

PANELBOARD: MP

LOCATION: ELEC 109					VOLTAGE: 120/240 V, 1 ø 3 W.						
MOUNTING: SURFACE NEMA 1					A.I.C. RATING: 14,000 AMPS SYMMETRICAL						
MAIN DEVICE: 400.0 A MAIN CB					SPECIAL:						
BUS AMPS: 400 AMPS					FED FROM: UTILITY TRANSFORMER						
LOAD NAME	NOTE	BKR	P	CKT	A	B	CKT	P	BKR	NOTE	LOAD NAME
SPARE		20 A	1	1	0.0	0.3		2	1	20 A	EXTERIOR LITES
SPARE		20 A	1	3		0.0	1.5	4	1	20 A	LITES
SPARE		20 A	1	5	0.0	0.1		6	1	20 A	EXHAUST FANS
RECEPTACLES		20 A	1	7		0.9	0.0	8			SPARE
VENDING MACHINE	G	20 A	1	9	1.1	0.0		10	2	30 A	FANS
RECEPTACLE		20 A	1	11		1.1	0.0	12		60 A	SPARE
RECEPTACLES		20 A	1	13	1.1	0.0		14			
RECEPTACLES		20 A	1	15		0.7	0.0	16	1	20 A	SPARE
RECEPTACLES		20 A	1	17	0.7	0.0		18	1	20 A	SPARE
SPARE		20 A	1	19		0.0	0.0	20	1	20 A	SPARE
REFRIGERATOR	G	20 A	1	21	1.1	0.0		22	2	40 A	T.V.S.S.
RECEPTACLES		20 A	1	23		1.5	0.0	24			
RECEPTACLES		20 A	1	25	1.5	1.5		26	1	20 A	RECEPTACLES
RECEPTACLES		20 A	1	27		1.5	1.5	28	1	20 A	RECEPTACLES
RECEPTACLES		20 A	1	29	1.5	1.1		30	1	20 A	RECEPTACLES
RECEPTACLES		20 A	1	31		0.2	1.1	32	1	20 A	RECEPTACLES
RECEPTACLES		20 A	1	33	0.9	1.1		34	1	20 A	RECEPTACLES
WATER COOLER	G	20 A	1	35		0.8	0.7	36	1	20 A	RECEPTACLES
WATER COOLER	G	20 A	1	37	0.8	1.1		38	1	20 A	RECEPTACLES
DHP-1A		25 A	2	41	2.2	1.5		42	1	20 A	COPIER
SSHP-1		25 A	2	43		2.4	2.3	44	2	30 A	PRINTER
				45	2.4	2.3		46			DWH-1
SSHP-1A		50 A	2	47		3.2	2.4	48	2	40 A	SSHP-2A
				49	3.2	2.4		50			
SSHP-1		60 A	2	51		5.7	5.7	52			SSHP-2
				53	5.7	5.7		54	2	60 A	
		TOTAL LOAD:		38 kVA		36 kVA					
		TOTAL AMPS:		317 A		300 A					
LOAD CLASSIFICATION		CONNECTED		DEMAND		ESTIMATED		PANEL TOTALS			
HVAC		43008 VA		100.00%		43008 VA					
RECEPTACLES		26289 VA		69.02%		18145 VA		CONNECTED LOAD: 74092 VA			
MTR		55 VA		108.71%		60 VA		ESTIMATED DEMAND: 66719 VA			
HEAT		4500 VA		100.00%		4500 VA		CONNECTED CURRENT: 308.7 A			
LITES		1791 VA		125.00%		2239 VA		EST. DEMAND CURRENT: 278.0 A			
NOTES:											
"G" - INDICATES CIRCUIT SHALL BE GFCI PROTECTED. PROVIDE WITH GFCI BREAKER.											

NOTES:
"G" - INDICATES CIRCUIT SHALL BE GFCI PROTECTED. PROVIDE WITH GFCI BREAKER.



1 POWER RISER DIAGRAM
E1.0 NO SCALE

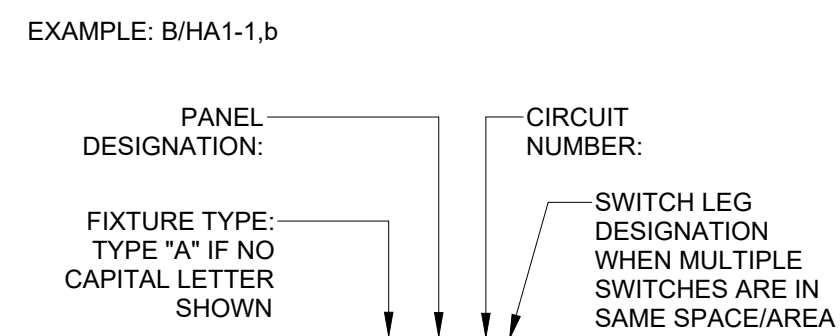
LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	WATTS	LUMENS	COLOR TEMP.	MANUFACTURERS	NOTES
A	L.E.D. LOW-PROFILE 4'-0" SURFACE MOUNTED LINEAR WRAPAROUND FIXTURE WITH MEDIUM BODY AND FLAT DIFFUSER. FIXTURE SHALL BE CAPABLE OF BOTH FIELD ADJUSTABLE LUMENS (4K, 5K, 6K) AND COLOR TEMP. (3K, 4K, 5K). SET LEVELS AS NOTED IN TABLE.	45 W	5000	4000 K	LITHONIA "TRUM" SERIES H.E. WILLIAMS "18 LED" SERIES ENVVOY "201 LED" SERIES	--
B	RECESSED COMMERCIAL GRADE DOWNLIGHT WITH 4" APERTURE WITH WHITE TRIM. FIXTURE SHALL BE CONSTRUCTED OUT OF 16 GAUGE GALVANIZED STEEL WITH OPEN DOWNLIGHT REFLECTOR. PROVIDE NEW CONSTRUCTION ROUGH-IN FRAME. FIXTURE SHALL BE CAPABLE OF BOTH FIELD ADJUSTABLE LUMENS (500/750/1000LM) AND COLOR TEMP. (3K, 4K, 5K). SET LEVELS AS NOTED IN SCHEDULE.	13 W	1000	4000 K	LITHONIA "LBR4" SERIES ELITE LIGHTING "RL843-ML-CCT" SERIES HALO "TR4" SERIES PRESCOLITE "LBRP" SERIES GREEN CREATIVE "SPFT" SERIES	
C	4'-0" STRIP LIGHT FIXTURE SURFACE MOUNTED WITH WHITE ACRYLIC LENS AND WHITE FINISH. (SURFACE, STEM, OR CHAIN SUSPEND WHERE REQUIRED)	22 W	3000	4000 K	LITHONIA "CSS" SERIES ELITE "OEC" SERIES METALUX "SLSTP" SERIES, ILP "VS" SERIES COLUMBIA "CSL" SERIES	
C2	4'-0" STRIP LIGHT FIXTURE SURFACE MOUNTED WITH WHITE ACRYLIC LENS AND WHITE FINISH. (SURFACE, STEM, OR CHAIN SUSPEND WHERE REQUIRED)	27 W	4000	4000 K	LITHONIA "CSS" SERIES ELITE "OEC" SERIES METALUX "SLSTP" SERIES, ILP "VS" SERIES COLUMBIA "CSL" SERIES	
D	EXTERIOR WALL MOUNTED L.E.D. TRAPEZOID FIXTURE WITH SEALED DIE-CAST ALUMINUM IP68 RATED HOUSING AND TYPE-3 DISTRIBUTION. MOUNT AT +7' 8" A.F.F. TO CENTER OF FIXTURE UNLESS OTHERWISE NOTED ON DRAWINGS. VERIFY HEIGHTS AND LOCATIONS WITH ARCHITECTURAL EXTERIOR ELEVATIONS AND ARCHITECT PRIOR TO ROUGHING IN. PROVIDE BATTERY BACKUP WHERE SHOWN.	32 W	3200	4000 K	LITHONIA "WDGE2" SERIES ELITE LIGHTING "OWP-FC" SERIES MCGRAW-EDISON "IST" SERIES BEACON "TRP" SERIES ILP "SWM" SERIES	
D2	EXTERIOR WALL MOUNTED L.E.D. TRAPEZOID FIXTURE WITH SEALED DIE-CAST ALUMINUM IP68 RATED HOUSING AND FORWARD THROW DISTRIBUTION. MOUNT AT +7' 8" A.F.F. TO CENTER OF FIXTURE UNLESS OTHERWISE NOTED ON DRAWINGS. VERIFY HEIGHTS AND LOCATIONS WITH ARCHITECTURAL EXTERIOR ELEVATIONS AND ARCHITECT PRIOR TO ROUGHING IN. PROVIDE BATTERY BACKUP WHERE SHOWN.	15 W	200	4000 K	LITHONIA "WDGE1" SERIES ELITE LIGHTING "OWP-FC" SERIES MCGRAW-EDISON "IST" SERIES BEACON "TRP" SERIES ILP "SWM" SERIES	
E	EMERGENCY FIXTURE WITH BATTERY PACK LIGHTING UNIT, DUAL L.E.D. OPTIC HEADS, AND SEALED NI-CAD BATTERIES. PROVIDE WITH TEST SWITCH AND INDICATOR LAMP, AND WHITE FINISH. 120/277 VOLT INPUT.	2 W	220	5000 K	LITHONIA "ELM2L" SERIES BEGHELLI "PEH1" SERIES SURE-LITE "APRL" SERIES UTOPIA "LEDR-1" SERIES COLUMBIA "CU" SERIES	
	L.E.D. EXIT SIGN. EMERGENCY LIGHTING COMBINATION. SIGN SHALL BE LED LAMPS, RED PANEL COVER, UNIFORM LAMP DIFFUSER, AND WHITE FINISH. UNIT PROVIDED WITH TWO HIGH-OUTPUT LED LAMP HEADS AND 120/277 VOLT INPUT. PROVIDE BACK-UP BATTERY PACK (W/ MAINTENANCE FREE NI-CAD BATTERIES IN ORDER TO PROVIDE MINIMUM 90 MINUTES OF ILLUMINATION). LAMPS: L.E.D. DRIVER: MULTI VOLT INPUT				LITHONIA "LHOM" SERIES BEGHELLI "EPC" SERIES SURE-LITES "LPS" SERIES COMPASS "CE" SERIES UTOPIA "CEX" SERIES	
EMERGENCY BATTERY PACK	1. WALL MOUNTED LED EMERGENCY FIXTURES SHALL BE PROVIDED WITH BATTERY PACK UNIT INSTALLED IN DRIVER COMPARTMENT AND SHALL PROVIDE POWER FOR A MINIMUM OF 90 MINUTES AND SHALL BE PROVIDED INDICATOR LIGHT AND TEST SWITCH AT BALLAST COMPARTMENT.				IOTA, SLTRON, LITHONIA CHLORIDE, SDC-LITE, EMERG-LITE LIGHTGUARD, LITE-ALARM	

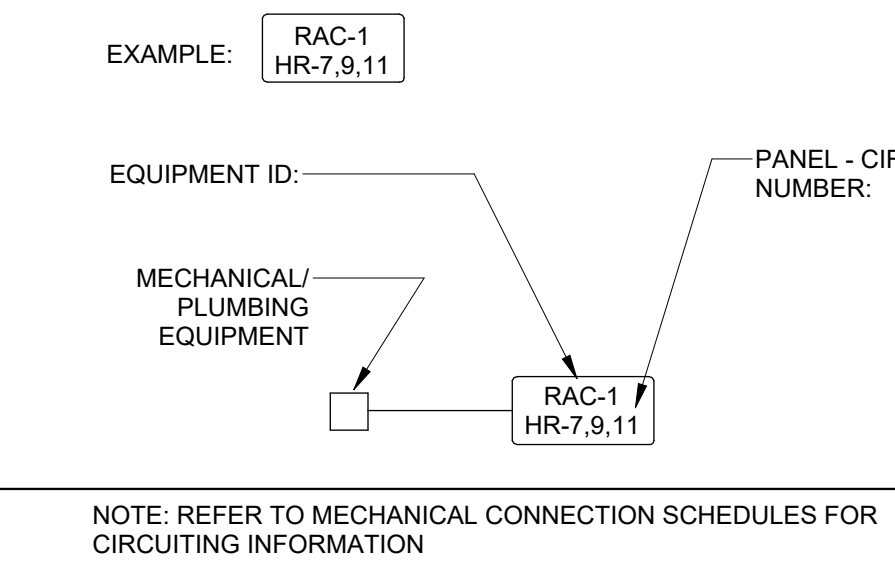
GENERAL NOTES:

- ALL LUMENS LISTED ARE DELIVERED LUMENS. ALL EQUALS TO SPECIFIED SHALL NOT BE ANY LOWER THAN 5% OF SPECIFIED LUMENS NOR WATTAGE BE HIGHER THAN 15% OF SPECIFIED WATTAGE.
- LISTING OF MANUFACTURERS DOES NOT EQUAL AUTOMATIC APPROVAL. ALL CHARACTERISTICS NOTED IN DESCRIPTION SECTION MUST BE MET IN ORDER TO BE APPROVED. WHERE VENDOR / REP DOES NOT HAVE ONE OF MANUFACTURERS LISTED, PRIOR APPROVAL IS REQUIRED TO BE SUBMITTED TO ENGINEER [TEN(10) DAYS PRIOR TO BID].
- ALL FIXTURE VOLTAGES SHALL BE MULTIVOLT TYPE UNLESS OTHERWISE NOTED.
- PROVIDE DIMMING DRIVER, 0-10VDC, 10-100% ON ALL FIXTURES EXCEPT TYPES E AND X.

LIGHT FIXTURE DESIGNATION DESCRIPTION



MECHANICAL EQUIPMENT TAG DESCRIPTION



GENERAL NOTES (RISER):

- ALL FEEDER CONDUCTORS ARE BASED ON ALUMINUM UNLESS OTHERWISE NOTED. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LUGS ON ALL PANELS, BREAKERS, ETC. TO ACCOMMODATE CONDUCTOR SIZE SHOWN.
- ALL EXPOSED CONDUIT SHALL BE GALVANIZED RIGID STEEL (GRS).

KEYED NOTES:

- METER PROVIDED AND INSTALLED BY CONTRACTOR ON EXTERIOR OF NEW BUILDING.
- SEE DETAIL 1/E6.0 FOR SERVICE GROUNDING AND BONDING PLATE DETAIL.
- CONTRACTOR SHALL FIELD MARK SERVICE EQUIPMENT IN ACCORDANCE WITH NEC 110.24 IN REGARD TO MAXIMUM AVAILABLE FAULT CURRENT. MARKING SHALL CLEARLY DENOTE MAXIMUM AVAILABLE FAULT CURRENT AND INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED. DIVISION 26 SHALL BE RESPONSIBLE FOR OBTAINING AVAILABLE FAULT CURRENT AT TRANSFORMER FROM LOCAL UTILITY. PERFORM CALCULATIONS BASED ON SUCH.
- ALL EXPOSED CONDUIT AT METER SHALL BE GALVANIZED RIGID STEEL (GRS).

FEEDER SCHEDULE

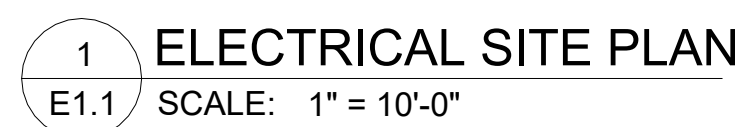
DESIGNATION	CONDUIT & CONDUCTORS
AL400A-3	4" C - 3#750
AL400A-3G	5" C - 3#750, 1#1G

FEEDER DESIGNATION
200A - 4 G - N
(N) - INDICATES 200% NEUTRAL CONDUCTOR

GROUND CONDUCTORS:
(0) - NO GROUND
(G) - EQUIPMENT OR ISOLATED GND
(B) - GROUNDING ELECTRODE
(B)IG - GROUNDING ELECTRODE AND ISOLATED GND

SYSTEM DESCRIPTION:
(3) - 10 3W OR 3Ø 3W
(4) - 3Ø .4W

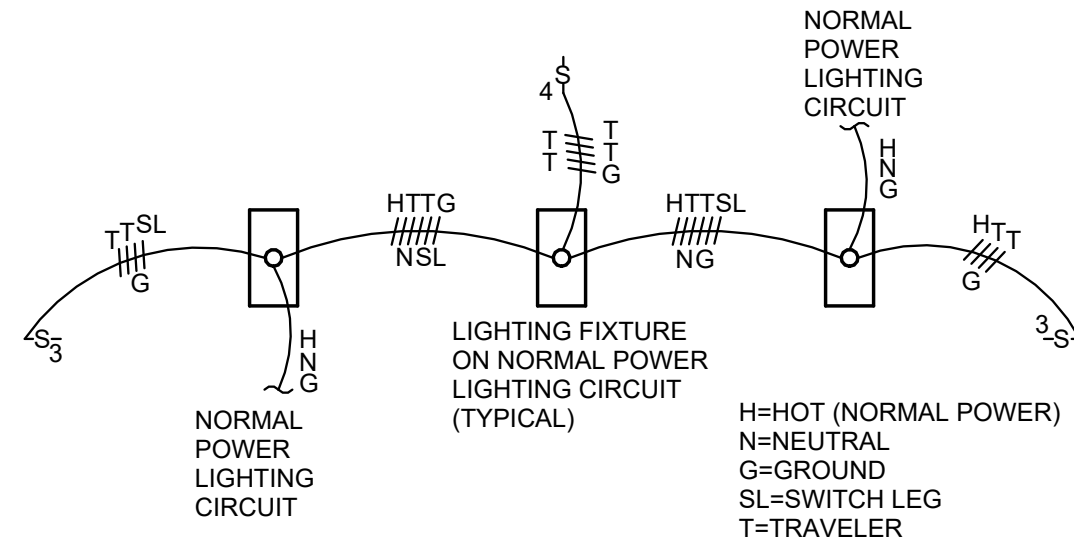
CONDUCTOR AMPACITY:
(AL) - INDICATES ALUMINUM CONDUCTORS



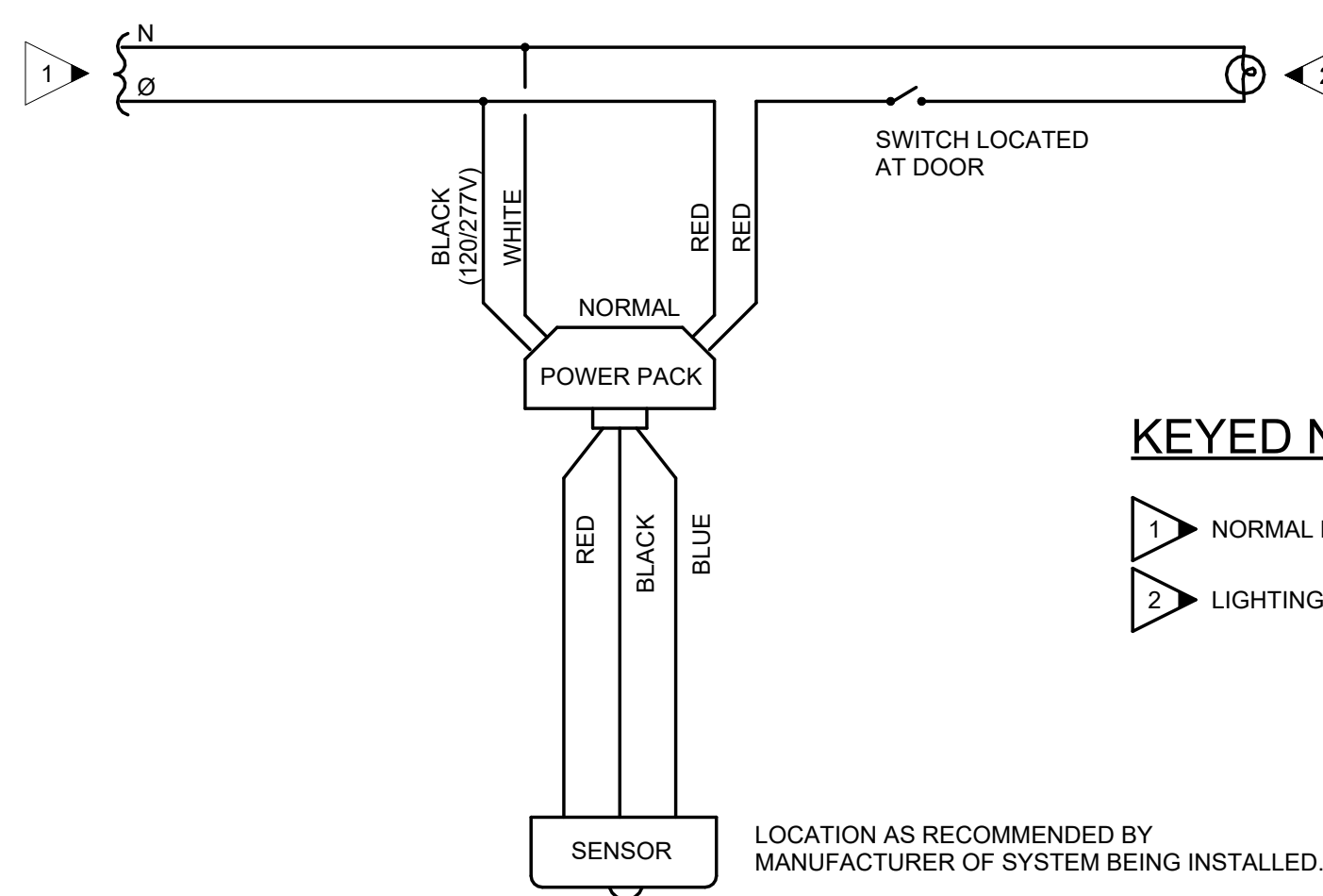
EDC
ELECTRICAL DESIGN
CONSULTANTS

ELECTRICAL ENGINEERS
AUGUSTA OFFICE - PROJECT #: 26026
edc1973.com

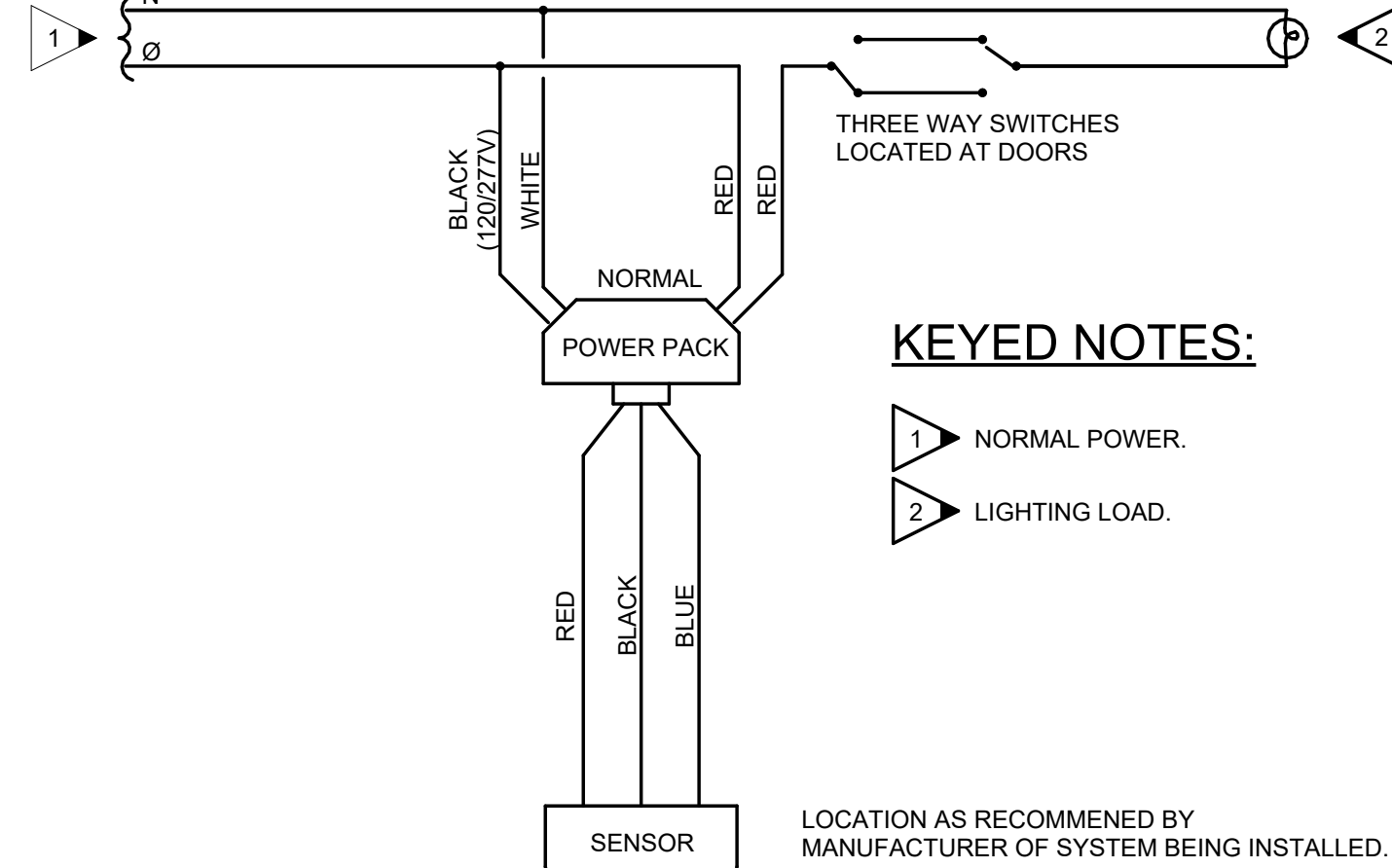
E1.1



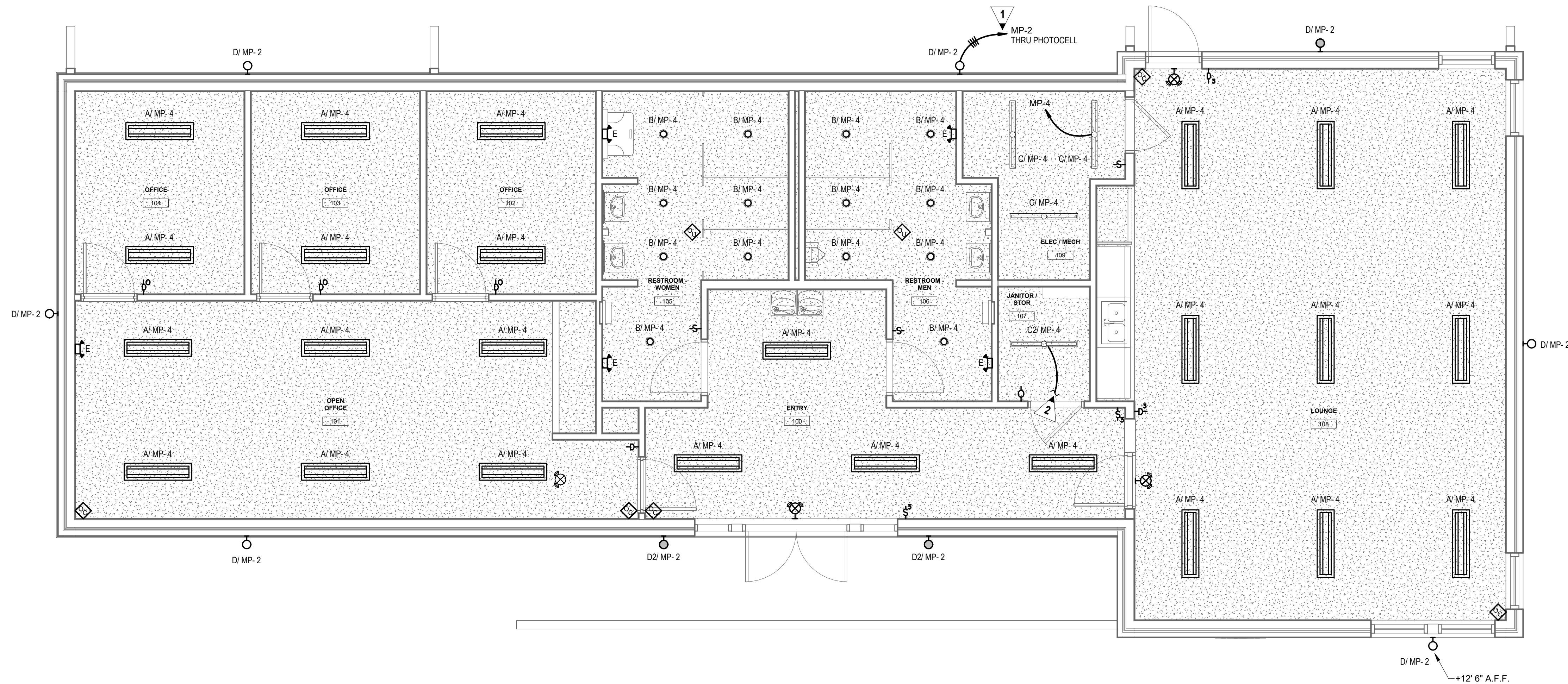
2 DETAIL - THREE/FOUR WAY SWITCHING DIAGRAM
E2.1 NO SCALE



3 OCCUPANCY SENSOR - SWITCHING SCHEMATIC WIRING DIAGRAM
E2.1 NO SCALE



4 OCCUPANCY SENSOR - THREE-WAY SWITCHING SCHEMATIC WIRING DIAGRAM
E2.1 NO SCALE



1 LIGHTING PLAN
E2.1 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- OCCUPANCY SENSOR SHALL BE LOCATED TO PROVIDE MAXIMUM COVERAGE FOR ROOM. REFER TO DETAILS AND MANUFACTURER LAYOUT FOR CONNECTIONS.
- PROVIDE UN-SWITCHED EMERGENCY "HOT" CONDUCTOR TO EACH EXIT SIGN AND EMERGENCY LIGHT FIXTURE BATTERY PACK.
- PROVIDE NEUTRAL CONDUCTOR TO ALL WALL MOUNTED OCCUPANCY SENSORS. IF SENSOR DOES NOT REQUIRE NEUTRAL, CAP NEUTRAL IN BOX.
- CONTRACTOR SHALL PROVIDE CLASS 2, 600 VOLT RATED, 0-10 VOLT CONTROL WIRING FOR ALL L.E.D. FIXTURES WHERE CONTROLLED BY LOW-VOLTAGE CONTROLLERS OR WALL BOX DIMMERS.
- FOR MC CABLE INSTALLATIONS WHERE APPROVED BY ARCHITECT/ENGINEER, CONTROL CABLE SHALL BE MINIMUM #18 AWG COPPER, 2-CONDUCTOR PURPLE & PINK TWISTED PAIR JACKETED CABLE (TTP-1) INSTALLED IN SAME CONDUIT AS LINE VOLTAGE CONDUCTORS AND FIXTURE WHIPS IN ACCORDANCE WITH NEC ARTICLE 725.136(1)(1). FIXTURE WHIPS SHALL NOT EXCEED 6'-0" IN LENGTH. NO EXCEPTIONS.
- HOMERUN CIRCUITS ARE SHOWN AS NOTED. PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS/TRAVELERS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.

KEYED NOTES:

- PROVIDE UN-SWITCHED "HOT" CONDUCTOR THROUGHOUT CIRCUIT TO SERVE FIXTURE WITH BATTERY PACKS.
- EXTEND LIGHTING CIRCUIT TO ATTIC SPACE ABOVE AND PROVIDE SINGLE-POLE SWITCH AT ATTIC ENTRY. FEED SIX (6) TYPE "C2" FIXTURES SPACED THROUGHOUT ATTIC WITH CIRCUIT FROM BELOW.

Date	
Description	
No.	

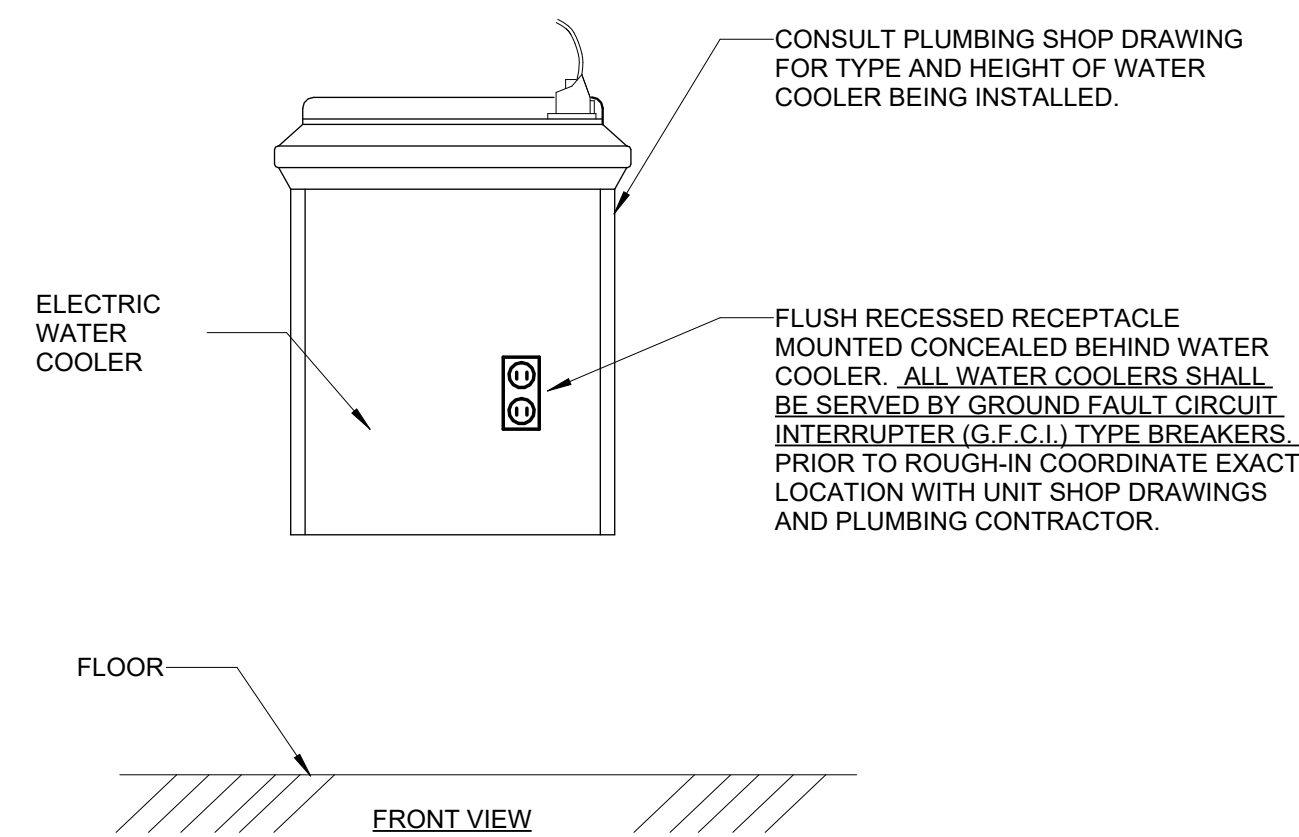
AIKEN INTERMEDIATE - BUS
TRANSPORTATION OFFICE
AIKEN COUNTY PUBLIC SCHOOL
DISTRICT
101 GATOR LN. AIKEN, SC 29801

Project Number
M-25-119
Drawn By
BH
Checked By
MAP
Date
09-21-26

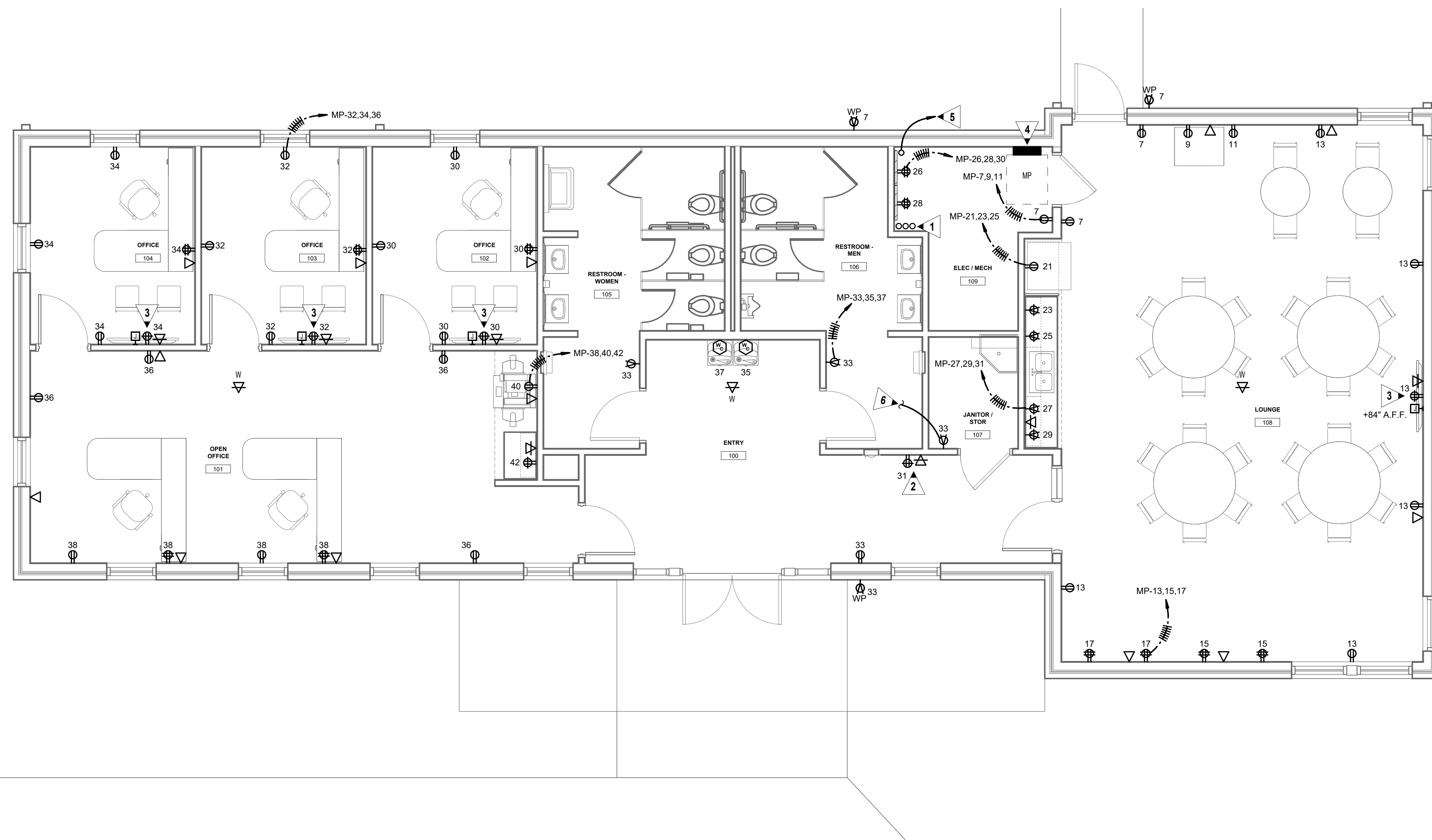
Drawing Title
LIGHTING PLAN

Drawing No.
E2.1

2 DETAIL - RECEPTACLE CONNECTION
E3.1 NO SCALE



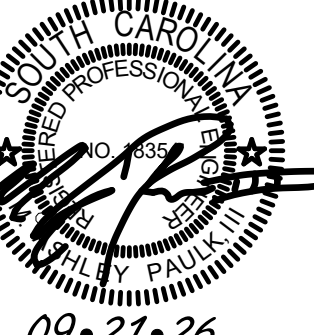
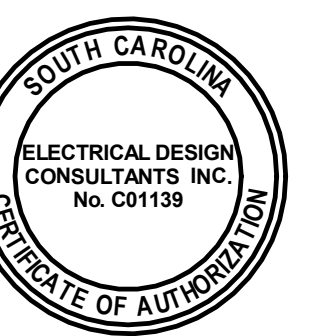
3 DETAIL - ELECTRIC WATER COOLER RECEPTACLE
E3.1 NO SCALE



1 POWER PLAN
E3.1 SCALE: 1/4" = 1'-0"

1. VERIFY MOUNTING HEIGHTS OF ALL ELECTRICAL OUTLETS WITH ARCHITECTURAL ELEVATIONS AND MILLWORK DRAWINGS PRIOR TO ROUGH IN
2. HOMERUN CIRCUITS ARE SHOWN AS NOTED. PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.
3. CONDUIT RUNS ARE SHOWN ON THESE TYPICAL PLANS AS UNDERGROUND/ROUGH-IN.
4. ALL INTERIOR EXPOSED CONDUIT SHALL BE HARD PIPE EMT TYPE.
5. ALL CONDUIT ROUTES FROM SURFACE MOUNTED PANEL SHALL BE EMT TYPE AND MAY TRANSITION TO PVC ONCE BELOW GRADE / MC CABLE ABOVE CEILING.
6. METAL-CLAD (MC) CABLE SHALL BE PERMITTED FOR LIGHT FIXTURE AND WIRING DEVICE CONDUCTOR ROUTING. MC CABLE SHALL BE SUPPORTED AND SECURED AT INTERVALS NOT TO EXCEED SIX FEET (6') PER NEC 330.40.
7. FOR MC CABLES CONTAINING FOUR (4) OR FEW CONDUCTORS SIZE 2" OR SMALLER, ALL MC CABLE SHALL BE SECURED WITHIN TWELVE INCHES (12") OF EVERY OUTLET BOX, JUNCTION BOX, CABINET, FITTING, OR OTHER TERMINATION POINT.

- 1 PROVIDE THREE (3) - THREE INCH (3") CONDUIT SLEEVES UP THROUGH HARD CEILING TO ATTIC SPACE ABOVE.
COORDINATE WITH OWNER'S SYSTEMS INSTALLERS FOR ANY ADDITIONAL QUANTITY REQUIRED.
- 2 PROVIDE 120V POWER AND DATA OUTLET FOR CLOCK/DOME DEVICE. COORDINATE EXACT HEIGHT AND LOCATION WITH OWNER PRIOR TO ROUGHING IN.
- 3 PROVIDE DUPLEX RECEPTACLE, DATA OUTLET, AND ADDITIONAL JUNCTION BOX WITH BLANK COVER PLATE MOUNTED AT 78" A.F. FROM FLOOR. OTHERWISE NOTED TO SERVE DISPLAY. COORDINATE EXACT HEIGHT AND LOCATION WITH ARCHITECT ELEVATIONS AND OWNER PRIOR TO ROUGHING IN. DO NOT PROVIDE MOUNTING PLATE OR ANY MOUNTING EQUIPMENT. PROVIDE ONE INCH (1") CONDUIT ROUTED FROM JUNCTION TO ABOVE CEILING.
- 4 PROVIDE THE FOLLOWING STUD UP CONDUITS FROM PANEL TO HARD CEILING: ONE (1) 1/2" CONDUIT ABOVE FOR FUTURE USE AND PROVIDE DUCT SEAL AT END OF CONDUIT. LABEL EACH CONDUIT AS "SPARE". THREE (3) - THREE-FOURTEEN INCH (3/4") CONDUITS AND TWO (2) - ONE INCH (1") CONDUITS.
- 5 COORDINATE WITH OWNER'S LOW-VOLTAGE VENDOR FOR EXACT DATA RACK LOCATION AND PROVIDE GROUND BAR TO RACK. DATA RACK IN CONDUIT WITH #6 GROUND. ROUTE #6 GROUND FROM GROUND BAR LOCATION TO PANEL MP. PROVIDE 4" x 8" PLYWOOD BACKBOARD.
- 6 EXTEND RECEPTACLE CIRCUIT TO ATTIC SPACE AND PROVIDE SURFACE MOUNTED DUPLEX RECEPTACLE FOR GENERAL PURPOSE USE.

[illegible]

**AIKEN INTERMEDIATE - BUS
TRANSPORTATION OFFICE**

**AIKEN COUNTY PUBLIC SCHOOL
DISTRICT**

101 GATOR LN. AIKEN, SC 29801

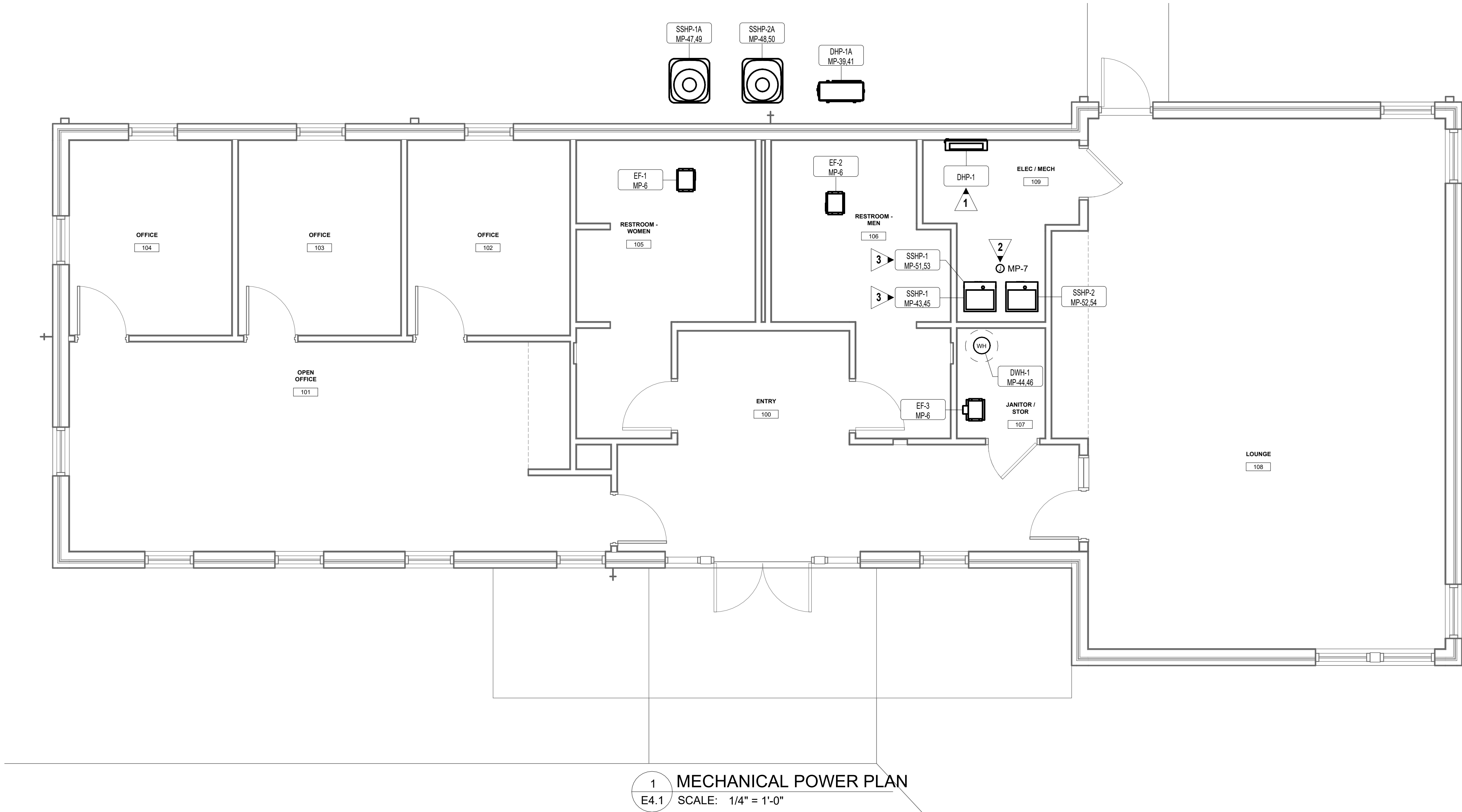
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Drawn By	BH
Checked By	MAP
Date	09-21-26

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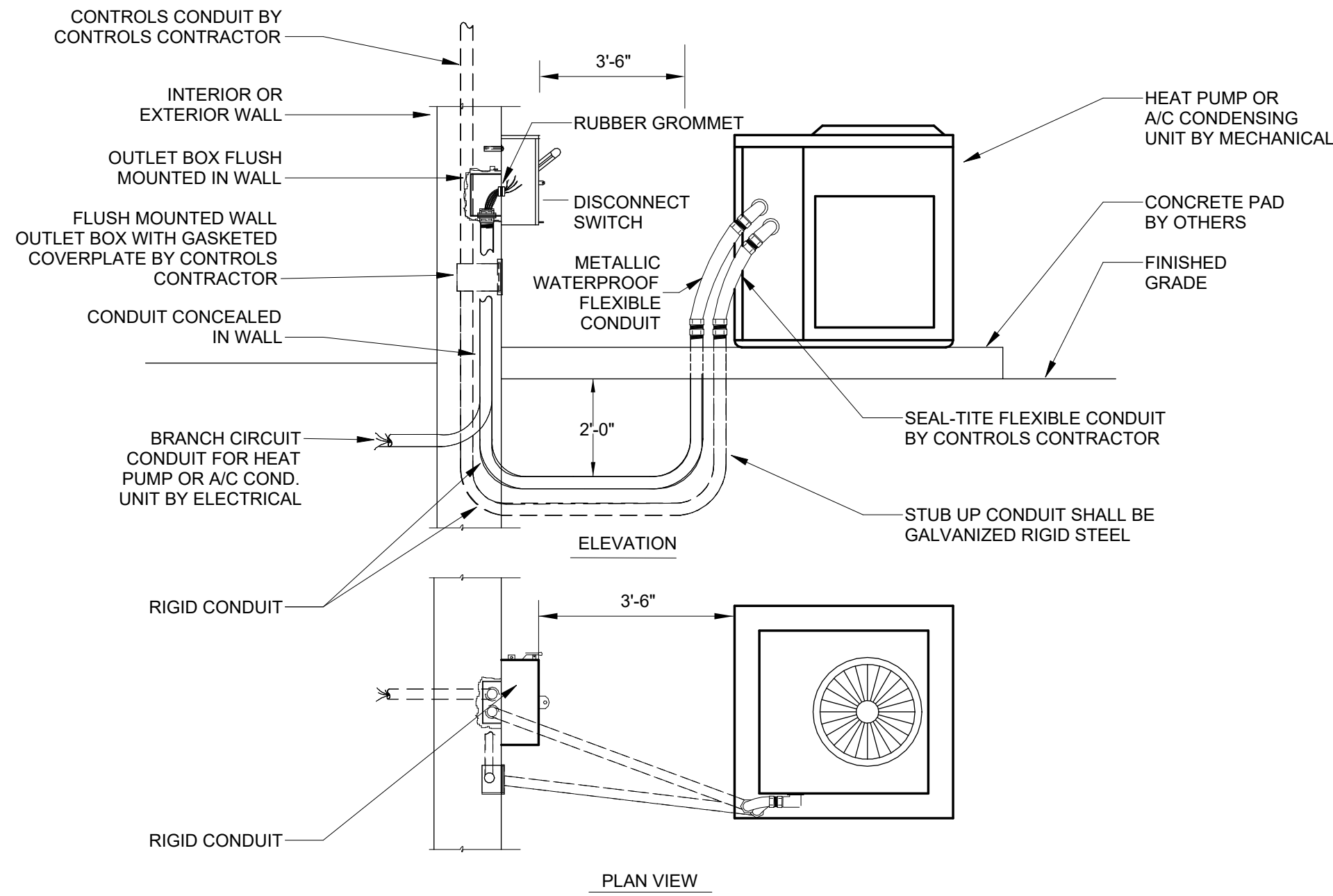
POWER PLAN

Drawing No.





1
E4.1
MECHANICAL POWER PLAN
SCALE: 1/4" = 1'-0"



2
E4.1
DETAIL - DISCONNECT SWITCH MOUNTING
AT EXTERIOR H.V.A.C. UNIT
NO SCALE

SPLIT SYSTEM HEAT PUMP INDOOR UNIT CONNECTION SCHEDULE										
EQUIPMENT INFORMATION				CIRCUIT INFORMATION			CONDUIT & WIRE SIZE	NOTES	DISC	
ID	VOLT	PH	MCA	MOC	PANEL	NO.			TYPE	REMARKS
SSHP-1	240 V	1	59.0 A	60.0 A	MP	51.53	11328 VA	1" C, 2#6, 1#10G	FS	60/2
SSHP-1A	240 V	1	25.0 A	25.0 A	MP	43.45	4800 VA	3/4" C, 2#8, 1#10G	FS	30/2
SSHP-2	240 V	1	59.0 A	60.0 A	MP	52.54	11328 VA	1" C, 2#6, 1#10G	FS	60/2

SPLIT SYSTEM HEAT PUMP OUTDOOR UNIT CONNECTION SCHEDULE										
EQUIPMENT INFORMATION				CIRCUIT INFORMATION			CONDUIT & WIRE SIZE	NOTES	DISC	
ID	VOLT	PH	MCA	MOC	PANEL	NO.			TYPE	REMARKS
SSHP-1A	240 V	1	33.0 A	50.0 A	MP	47.49	6336 VA	1" C, 2#6, 1#10G	FS	60/2/3R
SSHP-2A	240 V	1	25.0 A	40.0 A	MP	48.50	4800 VA	3/4" C, 2#8, 1#10G	FS	60/2/3R

DUCTLESS INDOOR UNIT CONNECTION SCHEDULE										
EQUIPMENT INFORMATION				CIRCUIT INFORMATION			CONDUIT & WIRE SIZE	NOTES	DISC	
ID	VOLT	PH	MCA	MOC	PANEL	NO.			TYPE	REMARKS
DHP-1	240 V	1	33.0 A	25.0 A	MP	39.41	4416 VA	3/4" C, 2#10, 1#10G	FS	30/2/3R

DUCTLESS OUTDOOR UNIT CONNECTION SCHEDULE										
EQUIPMENT INFORMATION				CIRCUIT INFORMATION			CONDUIT & WIRE SIZE	NOTES	DISC	
ID	VOLT	PH	MCA	MOC	PANEL	NO.			TYPE	REMARKS
DHP-1A	240 V	1	23.0 A	25.0 A	MP	39.41	4416 VA	3/4" C, 2#10, 1#10G	FS	30/2/3R

SCHEDULE NOTES:

A. DUCTLESS INDOOR UNIT (DHP-1) NOTED IS POWERED FROM ASSOCIATED DUCTLESS OUTDOOR UNIT (DHP-A). ROUTE 3/4" C, WITH PULL STRING FROM OUTDOOR HEAT PUMP UNIT TO INDOOR UNIT FOR MANUFACTURER RECOMMENDED CABLE CONDUCTORS. COORDINATE ALL REQUIREMENTS WITH DIVISION 23 PRIOR TO ROUGHING IN. ALL WIRING BETWEEN INDOOR UNIT AND OUTDOOR UNIT SHALL BE CONCEALED. ALL COMMUNICATIONS AND POWER CABLES SHALL BE PROVIDED AND INSTALLED BY DIVISION 23.

FANS CONNECTION SCHEDULE										
EQUIPMENT INFORMATION				CIRCUIT INFORMATION			CONDUIT & WIRE SIZE	NOTES	DISC	
ID	VOLT	PH	MCA	MOC	PANEL	NO.			TYPE	REMARKS
EF-1	120 V	1	0.2 A	15.0 A	MP	6	18 VA	3/4" C, 2#12, 1#12G	MRS	-
EF-2	120 V	1	0.2 A	15.0 A	MP	6	18 VA	3/4" C, 2#12, 1#12G	MRS	-
EF-3	120 V	1	0.2 A	15.0 A	MP	6	17 VA	3/4" C, 2#12, 1#12G	MRS	-

GENERAL NOTES:

1. FAN CONTROLLED VIA WALL MOUNTED MOTION SENSOR. SENSOR PROVIDED BY DIVISION 23. COORDINATE WITH DIVISION 23 FOR EXACT LOCATION AND WIRING REQUIREMENTS.

WATER HEATER CONNECTION SCHEDULE										
EQUIPMENT INFORMATION				CIRCUIT INFORMATION			CONDUIT & WIRE SIZE	NOTES	DISC	
ID	VOLT	PH	MCA	MOC	PANEL	NO.			TYPE	REMARKS
DWH-1	240 V	1	23.5 A	30.0 A	MP	44.46	4500 VA	3/4" C, 2#10, 1#10G	FS	30/2

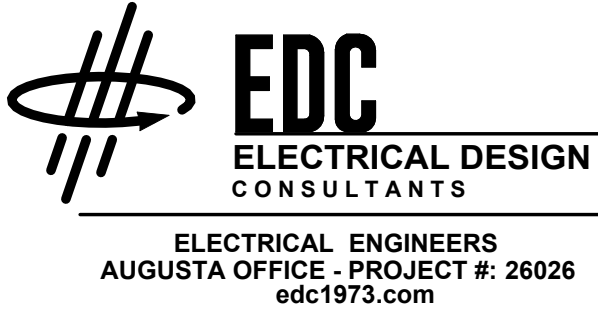
GENERAL NOTES:

- ALL INFORMATION SHOWN IN MECHANICAL EQUIPMENT CONNECTION SCHEDULES IS DERIVED FROM DIVISION 23 BASIS OF DESIGN. CONTRACTOR SHALL COORDINATE WITH DIVISION 23 FOR ALL MECHANICAL EQUIPMENT FINAL SUBMITTALS PRIOR TO PURCHASING REQUIRED ELECTRICAL DEVICES AND NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES.
- REFER TO MECHANICAL CONNECTION SCHEDULES FOR CIRCUIT DESIGNATIONS, WIRE AND CONDUIT SIZE, DISCONNECT MEANS, AND OTHER ELECTRICAL REQUIREMENTS FOR MECHANICAL AND PLUMBING EQUIPMENT.
- COORDINATE EXACT LOCATIONS OF ALL EQUIPMENT WITH MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS.
- WALL JUNCTION BOXES AND CONDUIT FOR THERMOSTATS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR. VERIFY EXACT LOCATION AND QUANTITY WITH MECHANICAL PRIOR TO ROUGH-IN.
- LOCATE DISCONNECT AT UNIT AS REQUIRED TO MAINTAIN PROPER CLEARANCES PER NEC.
- ALL EXTERIOR DISCONNECTS SHALL BE RATED NEMA 3R RATED.
- ALL EXTERIOR FLEXIBLE CONDUIT SHALL BE METALLIC WATERPROOF.
- COORDINATE BREAKER SIZE TO MATCH NAMEPLATE RATING ON UNITS.

KEYED NOTES:

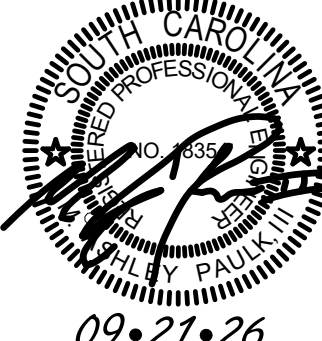
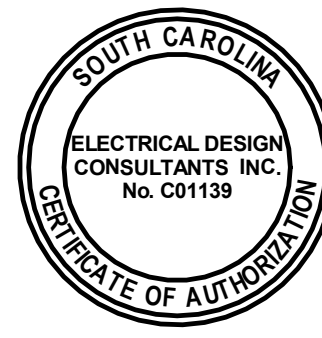
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- PROVIDE 120 VOLT POWER FROM GENERAL PURPOSE RECEPTACLE CIRCUIT INDICATED TO SERVE TWO (2) MOTORIZED DAMPERS, ONE (1) AT EACH SPLIT SYSTEM HEAT PUMP (SSHP) INDOOR UNIT OUTSIDE AIR DUCT. COORDINATE EXACT LOCATION WITH DIVISION 23 PRIOR TO ROUGHING IN.
- SPLIT SYSTEM HEAT PUMP (SSHP) INDOOR UNIT REQUIRES TWO (2) CIRCUIT CONNECTIONS. COORDINATE WITH DIVISION 23 FOR ALL FINAL TERMINATIONS.

DISCONNECT TYPES		
TYPE	FURNISH	DESCRIPTION
CB	DIV. 26	DIV. 26 - CIRCUIT BREAKER
FS	DIV. 26	DIV. 26 - FUSED SWITCH
MRS	DIV. 26	DIV. 26 - MOTOR RATED SWITCH
NFS	DIV. 26	DIV. 26 - NON-FUSED SWITCH
CB (M)	MANUF.	MANUF. - CIRCUIT BREAKER
NFS (M)	MANUF.	MANUF. - NON-FUSED SWITCH



METHOD WORKS
ARCHITECTURE

701 Gervais St.
Suite 150, Box 101
Columbia, SC 29201
www.themethodworks.com



Date	
Description	
No.	

AIKEN INTERMEDIATE - BUS
TRANSPORTATION OFFICE
AIKEN COUNTY PUBLIC SCHOOL
DISTRICT
101 GATOR LN. AIKEN, SC 29801

Project Number
M-25-119
Drawn By
BH
Checked By
MAP
Date
09-21-26

MECHANICAL POWER
PLAN

Drawing No.

E4.1

1 SYSTEMS PLAN
E5.1 SCALE: 1/4" = 1'-0"



EDC
ELECTRICAL DESIGN
CONSULTANTS

ELECTRICAL ENGINEERS
AUGUSTA OFFICE - PROJECT #: 26026
edc1973.com

rawing No.

E5.1

