

**ADDENDUM NUMBER 01**

**August 05, 2022**

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**PROJECT: ADDITION TO DESHLER HIGH SCHOOL**

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**AD1-1 GENERAL:**

- A. The following revisions and/or additions to the Drawings and Project Manual are hereby made a part of same, and shall be incorporated in the Work of the Contract the same as if originally included in the Bid and Construction Documents.
- B. Bidders shall acknowledge receipt of this Addendum in writing, as provided on the Proposal Form.
- C. Clarification 1: **The pre-bid opening is August 9<sup>th</sup>, 2022** for the Addition to the Deshler High School. The pre-bid is mandatory to attend, and will start at 10:00a.m.
- D. Clarification 2: **The bid opening is August 30<sup>th</sup>, 2022** for the Addition to the Deshler High School. The bids are due by 2:00pm on August 30<sup>th</sup>, and will then be subsequently opened at the Tuscumbia Board of Education Office.
- E. Clarification 3: A bidder registration form must be submitted if you are planning on submitting a bid. The signed form can be sent to Walter King at ([walter.king@gmcnetwork.com](mailto:walter.king@gmcnetwork.com)).
- F. Clarification 4: The project manual has been updated with specification section 05 3100. This section shall be replaced in its entirety.
- G. Clarification 5: The structural and architectural drawings have been updated to show support for the precast along the exterior elevation.
- H. Clarification 6: The structural and architectural drawings have been updated along the connection of the existing corridor and the new constructed corridor.
- I. Clarification 7: The reflected ceiling plans have been updated.

**AD1-2 PROJECT MANUAL AND SPECIFICATIONS:**

- A. Section 05 3100 Steel Deck has been added to the project manual.

**AD1-3 DRAWINGS:**

- A. S1.01
- B. S1.02
- C. S1.03
- D. S1.04
- E. S2.01
- F. S2.02
- G. S2.03
- H. S3.01

I. S3.02  
J. S3.03  
K. S4.01  
L. S4.02  
M. A0.01  
N. A1.01A  
O. A1.02  
P. A1.21  
Q. A2.01  
R. A2.02  
S. A3.01  
T. A3.02  
U. A4.01  
V. A4.02  
W. A5.11  
X. A5.12  
Y. A5.13  
Z. A5.31  
AA. A6.01  
BB. A6.11

**AD1-4 ATTACHMENTS:**

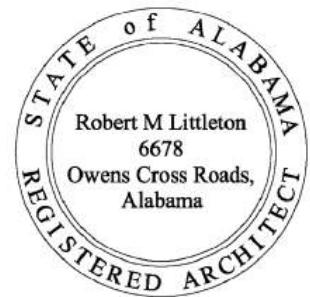
PREPARED BY



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ADDITION TO DESHLER HIGH SCHOOL  
TUSCUMBIA CITY SCHOOLS BOARD OF EDUCATION

ARCHITECT'S PROJECT NO: AHUN210012  
TUSCUMBIA, ALABAMA



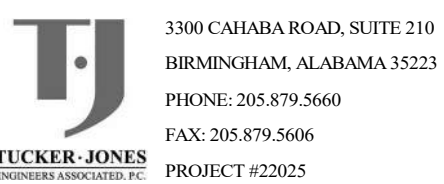




2015 IBC - SCHEDULE OF SPECIAL INSPECTIONS			
Key note	MATERIAL/ACTIVITY	EXTENT	INSTRUCTIONS/FREQUENCY
1	INSPECTION OF FABRICATORS (IBC 1704.2-5)		
2	VERIFY FABRICATION/QUALITY CONTROL PROCEDURES	PERIODIC	PERFORM IN-PLANT REVIEW OF FABRICATOR QUALITY CONTROL PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE FABRICATOR'S SCOPE OF WORK. WHERE FABRICATION OF STRUCTURAL, LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES IS BEING CONDUCTED ON THE FABRICATOR'S PREMISES.
3	SPECIAL CASES (IBC 1705.1.1)		
4	WORK UNUSUAL IN NATURE, INCLUDING BUT NOT LIMITED TO ALTERNATIVE MATERIALS AND SYSTEMS, UNUSUAL DESIGN APPLICATIONS, AND/OR MATERIALS AND SYSTEMS WITH SPECIAL MANUFACTURER'S REQUIREMENTS	AS NOTED	PERFORM SUBMITTAL REVIEW, SHOP AND/OR FIELD INSPECTION PER DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OR REPORT FROM AN ACCEPTED ENTITY.
5	STEEL CONSTRUCTION (IBC 1705.2)		
6	FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN AISC 360, CHAPTER N, SECTION N3 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS)	EACH SUBMITTAL	TO BE COMPLETED IN SUBMITTAL REVIEW PROCESS.
7	MATERIAL VERIFICATION OF STRUCTURAL STEEL	PERIODIC	PERFORM SHOP AND FIELD INSPECTION.
8	VERIFY DIAMETER, GRADE, TYPE, LENGTH, AND EMBEDMENT OF ANCHOR RODS FOR CONFORMANCE WITH CONSTRUCTION DOCUMENTS	CONTINUOUS	
9	VERIFY MEMBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS	CONTINUOUS	
10	STRUCTURAL STEEL (IBC 1705.2.1)		
11	PRIOR TO WELDING (TABLE N5.4-1, AISC 360-10):		
12	VERIFY WELDING PROCEDURES (WPS) AND CONSUMABLE CERTIFICATES	PERFORM	TO BE COMPLETED IN SUBMITTAL REVIEW PROCESS.
13	MATERIAL IDENTIFICATION	OBSERVE	PERFORM SHOP AND FIELD INSPECTION TO VERIFY TYPE AND GRADE OF MATERIAL.
14	WELDER IDENTIFICATION	OBSERVE	A SYSTEM SHALL BE MAINTAINED BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED.
15	FIT-UP GROOVE WELDS	OBSERVE	VERIFY JOINT PREPARATION, DIMENSIONS, CLEANLINESS, TACKING, AND BACKING.
16	ACCESS HOLES	OBSERVE	VERIFY CONFIGURATION AND FINISH.
17	FIT-UP OF FILED WELDS	OBSERVE	VERIFY ALIGNMENT, GAPS AT ROOT, CLEANLINESS OF STEEL SURFACES, AND TACK, WELD QUALITY AND LOCATION.
18	DURING WELDING (TABLE N5.4-2, AISC 360-10):		
19	USE OF QUALIFIED WELDERS	OBSERVE	VERIFY THAT WELDERS ARE APPROPRIATELY QUALIFIED.
20	CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE	VERIFY PACKAGING AND EXPOSURE CONTROL.
21	CRACKED TACK WELDS	OBSERVE	VERIFY THAT WELDING DOES NOT OCCUR OVER CRACKED TACK WELDS.
22	ENVIRONMENTAL CONDITIONS	OBSERVE	VERIFY WIND SPEED IS WITHIN LIMITS AS WELL AS PRECIPITATION AND TEMPERATURE.
23	WPS FOLLOWED	OBSERVE	VERIFY ITEMS SUCH AS SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION.
24	WELDING TECHNIQUES	OBSERVE	VERIFY INTERPASS AND FINAL CLEANING. EACH PASS IS WITHIN PROFILE LIMITATIONS, AND QUALITY OF EACH PASS.
25	AFTER WELDING (TABLE N5.4-3, AISC 360-10):		
26	WELDS CLEANED	OBSERVE	VERIFY THAT WELDS HAVE BEEN PROPERLY CLEANED.
27	SIZE, LENGTH, AND LOCATION OF WELDS	PERFORM	
28	WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM	VERIFY THAT WELDS MEET VISUAL ACCEPTANCE CRITERIA INCLUDING: CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, AND POROSITY.
29	ARC STRIKES	PERFORM	
30	K-AREA	PERFORM	WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 INCHES OF THE WELD.
31	BACKING & WELD TABS REMOVED	PERFORM	
32	REPAIR ACTIVITIES	PERFORM	
33	DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT/MEMBER	PERFORM	
34	NONDESTRUCTIVE TESTING (SECTION N5.5, AISC 360-10)		
35	C/JP GROOVE WELDS NDT (RISK CAT. II)	PERFORM	ULTRASONIC TESTING SHALL BE PERFORMED ON 10% OF C/JP GROOVE WELDS IN BUTT, T- AND CORNER JOINTS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING IN MATERIALS 5/16-INCH THICK OR GREATER. TESTING RATE MUST BE INCREASED IF >5% OF WELDS TESTED HAVE UNACCEPTABLE DEFECTS.
36	C/JP GROOVE WELDS NDT (RISK CAT. III OR IV)	PERFORM	A REDUCTION IN THE RATE OF ULTRASONIC TESTING IS ALLOWED PER SECTION N5.5E.
37	ACCESS HOLES NDT	PERFORM	THERMALLY CUT SURFACES OF ACCESS HOLES MUST BE TESTED FOR CRACKS USING MT OR PT WHEN THE FLANGE THICKNESS OF A ROLLED SHAPE OR THE WEB OF A BUILT-UP SHAPE EXCEEDS 2 INCHES.
38	WELDED JOINTS SUBJECT TO FATIGUE	PERFORM	WHEN REQUIRED BY APPENDIX 3, TABLE A-3.1, WELDED JOINTS REQUIRING WELD SOUNDNESS TO BE ESTABLISHED BY RADIOGRAPHIC OR ULTRASONIC INSPECTION SHALL BE TESTED AS PRESCRIBED.
39	PRIOR TO BOLTING (TABLE N5.6-1, AISC 360-10):		
40	>>>NOT REQUIRED IF ONLY SNUG-TIGHT JOINTS ARE SPECIFIED (PER SECTION N5.6(1) OF AISC 360-10)		
41	CERTIFICATIONS OF FASTENERS	PERFORM	
42	FASTENERS MARKED	OBSERVE	VERIFY THAT FASTENERS HAVE BEEN MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS.
43	PROPER FASTENERS FOR JOINT	OBSERVE	VERIFY FASTENER TYPE, AND BOLT LENGTH IF THREADS ARE EXCLUDED FROM THE SHEAR PLANE.
44	PROPER BOLTING PROCEDURE	OBSERVE	VERIFY PROPER PROCEDURE IS USED FOR THE JOINT DETAIL.
45	CONNECTING ELEMENTS	OBSERVE	VERIFY APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET REQUIREMENTS.
46	PRE-INSTALLATION VERIFICATION TESTING	OBSERVE	OBSERVE AND DOCUMENT VERIFICATION TESTING BY INSTALLATION PERSONNEL FOR FASTENER ASSEMBLIES AND METHODS USED.
47	PROPER STORAGE	OBSERVE	VERIFY PROPER STORAGE OF BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS.
48	DURING BOLTING (TABLE N5.6-2, AISC 360-10):		
49	>>>NOT REQUIRED IF ONLY SNUG-TIGHT JOINTS ARE SPECIFIED (PER SECTION N5.6(1) OF AISC 360-10)		
50	>>>NOT REQUIRED FOR PRETENSIONED AND SUP-CRITICAL JOINTS USING TURN-OF-NUT METHOD WITH MATCH- MARKING, DIRECT-TENSION INDICATORS, OR TWIST-OFF TYPE TENSION CONTROL METHOD (PER SECTION N5.6(2) OF AISC 360-10)		
51	FASTENER ASSEMBLIES	OBSERVE	VERIFY THAT FASTENER ASSEMBLIES ARE OF SUITABLE CONDITION, PLACED IN ALL HOLES, AND WASHERS ARE POSITIONED AS REQUIRED.
52	SNUG-TIGHT PRIOR TO PRETENSIONING	OBSERVE	VERIFY THAT JOINTS ARE BROUGHT TO SNUG-TIGHT CONDITION PRIOR TO PRETENSIONING OPERATION.
53	FASTENER COMPONENT	OBSERVE	VERIFY THAT FASTENER COMPONENT IS NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING.
54	PRETENSIONED FASTENERS	OBSERVE	VERIFY THAT FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH RISK CATEGORY AND UNAPPROVED ATTACHMENTS ARE MADE FROM THE MOST RIGID POINT TOWARD THE FREE EDGES.
55	AFTER BOLTING (TABLE N5.6-3, AISC 360-10):		
56	DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	PERFORM	
57	OTHER STEEL INSPECTIONS (SECTION N5.7, AISC 360-10): TABLES J8-1 & J10-1, AISC 341-10:		
58	STRUCTURAL STEEL DETAILS	CONTINUOUS	ALL FABRICATED STEEL OR STEEL FRAMES SHALL BE INSPECTED TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN IN THE CONSTRUCTION DOCUMENTS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS, AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.
59	ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL	CONTINUOUS	SHALL BE ON THE PREMISES DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS. PROGRESSING SYSTEMS MUST BE USED FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS. VERIFY THE DIAMETER, GRADE, TYPE AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT PRIOR TO PLACEMENT OF CONCRETE.
60	REDUCED BEAM SECTIONS (RBS)	PERFORM	VERIFY CONTOUR AND FINISH AS WELL AS DIMENSIONAL TOLERANCES (SEE TABLE A9-1 OF AISC 341-10).
61	PROTECTED ZONES	PERFORM	VERIFY THAT NO HOLES OR UNAPPROVED ATTACHMENTS ARE MADE WITHIN THE PROTECTED ZONE (SEE TABLE J8-1 OF AISC 341-10).
62	H-PILES	PERFORM	VERIFY THAT NO HOLES OR UNAPPROVED ATTACHMENTS OCCUR WITHIN THE PROTECTED ZONES OF PILING (SEE TABLE J10-1 OF AISC 341-10).
63	STEEL ELEMENTS OF COMPOSITE CONSTRUCTION (TABLE N6-1, AISC 360-10; TABLES J9-3, AISC 341-10):		
64	PLACEMENT AND INSTALLATION OF STEEL DECK	PERFORM	
65	PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	PERFORM	
66	DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS	PERFORM	
67	REINFORCING STEEL	CONTINUOUS	VERIFY APPROPRIATE REINFORCEMENT TYPE/GRADE, SIZE, SPACING, AND ORIENTATION; THAT IT HAS NOT BEEN RE-BENT IN THE FIELD; THAT IT IS CORRECTLY TIED AND SUPPORTED; AND THAT REQUIRED STEEL CLEARANCES HAVE BEEN PROVIDED.
68	COMPOSITE MEMBER SIZE	CONTINUOUS	VERIFY THAT COMPOSITE MEMBER IS THE REQUIRED SIZE.
69	COLD-FORMED STEEL DECK (IBC 1705.2-2)		
70	PRIOR TO DECK PLACEMENT (SDI QA/QC - 2011, TABLE 1.1):		
71	VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	PERFORM	
72	DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	PERFORM	
73	AFTER DECK PLACEMENT (SDI QA/QC - 2011, TABLE 1.2):		
74	VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS.	PERFORM	

2015 IBC - SCHEDULE OF SPECIAL INSPECTIONS		5	6
Key not e	MATERIAL/ACTIVITY	EXTENT	INSTRUCTIONS/FREQUENCY
75	VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS.	PERFORM	
76	DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	PERFORM	
77	PRIOR TO WELDING (SDI QA/QC - 2011, TABLE 1.3):		
78	WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	OBSERVE	
79	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	OBSERVE	
80	MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE	
81	CHECK WELDING EQUIPMENT	OBSERVE	
82	DURING WELDING (SDI QA/QC - 2011, TABLE 1.4):		
83	USE OF QUALIFIED WELDERS	OBSERVE	
84	CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE	
85	ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)	OBSERVE	
86	WPS FOLLOWED	OBSERVE	
87	AFTER WELDING (SDI QA/QC - 2011, TABLE 1.5):		
88	VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS.	PERFORM	
89	WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM	
90	VERIFY REPAIR ACTIVITIES	PERFORM	
91	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	PERFORM	
92	PRIOR TO MECHANICAL FASTENING (SDI QA/QC - 2011, TABLE 1.6):		
93	MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	OBSERVE	
94	PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	OBSERVE	
95	PROPER STORAGE FOR MECHANICAL FASTENERS	OBSERVE	
96	DURING MECHANICAL FASTENING (SDI QA/QC - 2011, TABLE 1.7):		
97	FASTENERS ARE POSITIONED AS REQUIRED	OBSERVE	
98	FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	OBSERVE	
99	AFTER MECHANICAL FASTENING (SDI QA/QC - 2011, TABLE 1.8):		
100	CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	PERFORM	
101	CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	PERFORM	
102	CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	PERFORM	
103	VERIFY REPAIR ACTIVITIES	PERFORM	
104	DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	PERFORM	
105	OPEN-WEB STEEL JOISTS AND JOIST GIRDERS (IBC 1705.2.3)		
106	INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS (IBC TABLE 1705.2.3)		
107	TEND CONNECTIONS - WELDING OR BOLTED	PERIODIC	SJ SPECIFICATIONS LISTED IN SECTION 2207.1
108	BRIDGING - HORIZONTAL OR DIAGONAL	PERIODIC	SJ SPECIFICATIONS LISTED IN SECTION 2207.1 FOR STANDARD BRIDGING. SPECIAL INSPECTION ALSO REQUIRED FOR BRIDGING THAT DIFFERS FROM THESE SJ SPECIFICATIONS.
109	COLD-FORMED STEEL CONSTRUCTION		
110	RUSSES SPANNING 60 FEET OR GREATER (IBC 1705.2.4)	PERFORM	VERIFY THAT THE TEMPORARY INSTALLATION RESTRAINT/BRACING AND THE PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING ARE INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.
111	COLD-FORMED STEEL WIND RESISTANCE (1705.11.2)		REQUIRED IN AREAS OF WIND EXPOSURE CATEGORY 8, WHERE (V <sub>ASD</sub> ) = 120MPH OR GREATER OR AREAS OF WIND EXPOSURE CATEGORY C OR D, WHERE (V <sub>ASD</sub> ) IS 110MPH OR GREATER.
112	WELDING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM	PERIODIC	
113	SCREW ATTACHMENT, BOLTING, ACHORING AND OTHER FASTENING OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM	PERIODIC	EXCEPTIONS: (1) IF THE SHEATHING IS GYPSUM BOARD OR FIBERBOARD (2) IF THE SHEATHING IS WOOD STRUCTURAL PANEL OR STEEL SHEETS ON ONLY ONE SIDE OF THE SHEAR WALL, SHEAR PANEL OR DIAPHRAGM ASSEMBLY, AND THE FASTENER SPACING >4IN ON CENTER.
114	COLD-FORMED STEEL SEISMIC RESISTANCE (1705.12.3)		APPLICABLE TO SEISMIC FORCE-RESISTING SYSTEMS WITH SEISMIC DESIGN CATEGORY C, D, E OR F.
115	WELDING OPERATIONS OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM	PERIODIC	
116	SCREW ATTACHMENT, BOLTING, ACHORING AND OTHER FASTENING OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM	PERIODIC	EXCEPTIONS: (1) IF THE SHEATHING IS GYPSUM BOARD OR FIBERBOARD (2) IF THE SHEATHING IS WOOD STRUCTURAL PANEL OR STEEL SHEETS ON ONLY ONE SIDE OF THE SHEAR WALL, SHEAR PANEL OR DIAPHRAGM ASSEMBLY, AND THE FASTENER SPACING >4IN.
117	CONCRETE CONSTRUCTION (IBC 1705.3 AND IBC TABLE 1705.3)		WHERE APPLICABLE, SEE ALSO SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE
118	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	PERIODIC	REFERENCE ACI 318 CH. 20, 25.2, 25.3, 26.5.1-26.5.3 AND IBC 1908.4
119	WELDING OR REINFORCING BARS (IBC 1705.3.1)		REFERENCE AWS D1.4 AND ACI 318: 26.5.4
120	VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A 706	PERIODIC	
121	INSPECT SINGLE-PASS FILLET WELDS (MAX = 5/16")	PERIODIC	
122	INSPECT ALL OTHER WELDS	CONTINUOUS	
123	INSPECT ANCHORS CAST IN CONCRETE	PERIODIC	REFERENCE ACI 318: 17.8.2
124	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.		SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH ACI 318: 17.8.2 OR OTHER QUALIFICATION PROCEDURES, WHERE NOT PROVIDED. CONSULT WITH REGISTERED DESIGN PROFESSIONAL FOR REQUIREMENTS TO BE APPROVED BY BUILDING OFFICIAL PRIOR TO PROCEEDING.
125	ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY ORIENTED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	CONTINUOUS	REFERENCE ACI 318: 17.8.2.4
126	MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED ABOVE	PERIODIC	REFERENCE ACI 318: 17.8.2
127	VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC	REFERENCE ACI 318 CH. 19, 26.4.3, 26.4.4 AND IBC 19104.1: 1908.2.3
128	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	CONTINUOUS	REFERENCE ASTM C172, C31; ACI 318: 26.4.5, 26.12; IBC 1908.10
129	INSPECT CONCRETE AND SHORT-TERM PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	REFERENCE ACI 318: 26.4.5 AND IBC 1908.6-7, 1908.9
130	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	REFERENCE ACI 318: 26.4.7-9 AND IBC 1908.9
131	INSPECT PRESTRESSED CONCRETE FOR:		
132	APPLICATION OF PRESTRESSING FORCES	CONTINUOUS	REFERENCE ACI 318: 26.9.2.1
133	GROUTING OF BONDED PRESTRESSING TENDONS	CONTINUOUS	REFERENCE ACI 318: 26.9.2.3
134	SPECIAL ERECTION OF PRECAST CONCRETE MEMBERS.	PERIODIC	REFERENCE ACI 318: 26.8
135	VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC	REFERENCE ACI 318: 26.10.2
136	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	REFERENCE ACI 318: 26.10.1 (B)
137	MASONRY CONSTRUCTION (IBC 1705.4)		
138	LEVEL B QUALITY ASSURANCE (TMS 402-13/ACI 530.13/ASCE 5-13, TABLE 3.1.2)		APPLICABLE TO RISK CATEGORIES I, II, III
139	VERIFY SLUMP FLOW AND VISUAL STABILITY INDEX (SVI) AS DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.5 B.1.8.3 FOR SELF-CONSOLIDATING GROUT.		MINIMUM TEST
140	VERIFY FM AND FAAC IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.4 B PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.		MINIMUM TEST
141	VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 1.5
142	AS MASONRY CONSTRUCTION BEGINS, VERIFY THE FOLLOWING ARE IN COMPLIANCE:		
143	PROPORTIONS OF SITE-PREPARED MORTAR	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 2.1, 2.6 A
144	CONSTRUCTION OF MORTAR JOINTS	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.3, B
145	GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 2.4 B, 2.4 H
146	LOCATION OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.4, 3.6 A
147	PRESTRESSING TECHNIQUE	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.6 B
148	PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	CONTINUOUS /PERIODIC	CONTINUOUS IS REQUIRED FOR THE FIRST 5000SF OF AAC MASONRY; PERIODIC IS REQUIRED AFTER THE FIRST 5000SF OF AAC MASONRY. REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 2.1 C
149	PRIOR TO GROUTING, VERIFY THE FOLLOWING ARE IN COMPLIANCE:		
150	GROUT SPACE	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.2 D, 3.2 F
151	GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLT, AND PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.1 AND TMS 402/ACI 530.1/ASCE 6, ART. 2.4, 3.4
152	PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 6.1, 6.2.1, 6.2.6-7 AND TMS 402/ACI 530.1/ASCE 6, ART. 3.3 B
153	PROPORTIONS OF SITE-PREPARED GROUT FOR BONDED TENDONS	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 2.6 B, 2.4 G 1.B
154	CONSTRUCTION OF MORTAR JOINTS	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.3 B
155	VERIFY DURING CONSTRUCTION:		
156	PROPERTIES OF MORTAR AND MORTAR ELEMENTS	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 2.1 C

2015 IBC - SCHEDULE OF SPECIAL INSPECTIONS			
Key not e	MATERIAL/ACTIVITY	EXTENT	INSTRUCTIONS/FREQUENCY
157	TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	PERIODIC	REFERENCE TMS 402/ACI 530/ASCE 5 SEC. 1.2.1 (E), 6.1 4.3, 6.2.1
158	WELDING OF REINFORCEMENT	CONTINUOUS	REFERENCE TMS 402/ACI 530/ASCE 5 SEC. 8.1 6.7.2, 9.3.3 (A/C), 11.3.3.4 (B)
159	PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (<40°F) OR HOT WEATHER (>90°F)	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 1.8 C, 1.8 D
160	APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	CONTINUOUS	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.6 B
161	PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	CONTINUOUS	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.5, 3.6 C
162	PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	CONTINUOUS /PERIODIC	CONTINUOUS IS REQUIRED FOR THE FIRST 5000SF OF AAC MASONRY; PERIODIC IS REQUIRED AFTER THE FIRST 5000SF OF AAC MASONRY. REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.3 B.9, 3.3 F.1 B
163	OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 1.4 B.2.3.1, 1.4 B.2.8.3, 1.4 B.2 C.3, 1.4 B.3, 1.4 B.4
164	LEVEL C QUALITY ASSURANCE (TMS 402-13/ACI 530-13/ASCE 5-13, TABLE 3.1.3)		APPLICABLE TO RISK CATEGORY IV
165	VERIFY FM AND F-AC IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.4 B PRIOR TO CONSTRUCTION AND FOR EVERY 5000SF DURING CONSTRUCTION		MINIMUM TEST
166	VERIFY PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR, PRESTRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT, AS DELIVERED TO THE PROJECT SITE		MINIMUM TEST
167	VERIFY FLOW AND VISUAL STABILITY INDEX (SVI) AS DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.5 B.1.8.3 FOR SELF-CONSOLIDATING GROUT		MINIMUM TEST
168	VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 1.5
169	VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:		
170	PROPORTIONS OF SITE-MIXED MORTAR, GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 2.1, 2.6 A, 2.6 B, 2.6 C, 2.4 C.1 B
171	GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC	REFERENCE TMS 402/ACI 530/ASCE 5 SEC. 6.1 AND TMS 402/ACI 530.1/ASCE 6, ART. 2.4, 3.4
172	PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.3 B
173	PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	CONTINUOUS	REFERENCE TMS 402/ACI 530/ASCE 5 SEC. 6.1, 6.2.1, 6.2.6-7 AND TMS 402/ACI 530.1/ASCE 6, ART. 3.2 E, 3.4, 3.4 A
174	GROUT SPACE PRIOR TO GROUTING	CONTINUOUS	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.2 D, 3.2 F
175	PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	CONTINUOUS	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.5, 3.6 C
176	TYPE AND LOCATION OF STRUCTURAL ELEMENTS	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 1.2 (F)
177	TYPE, SIZE, AND LOCATION OF ANCHORS INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, AND OTHER CONSTRUCTION	CONTINUOUS	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.3 F.1 (E), 6.1 4.3, 6.2.1
178	WELDING OF REINFORCEMENT	CONTINUOUS	REFERENCE TMS 402/ACI 530/ASCE 5 SEC. 8.1 6.7.2, 9.3.3 (A/C), 11.3.3.4 (B)
179	PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (<40°F) OR HOT WEATHER (>90°F)	PERIODIC	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 1.8 C, 1.8 D
180	APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	CONTINUOUS	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.6 B
181	PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	CONTINUOUS	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 3.3 B.9, 3.3 F.1 B
182	PROPORTIONS OF THIN-BED MORTAR FOR AAC MASONRY	CONTINUOUS	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 2.1 C.1
183	OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	CONTINUOUS	REFERENCE TMS 402/ACI 530.1/ASCE 6, ART. 1.4 B.2.3.1, 1.4 B.2.8.3, 1.4 B.2 C.3, 1.4 B.3, 1.4 B.4
191	FIELD GROUTING OPERATIONS OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM	CONTINUOUS	
192	NAILING, BOLTING, AND ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, AND SHEAR PANELS AND HOLD-DOWNS	PERIODIC	EXCEPTION: NO REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM WHERE THE FASTENER SPACING OF THE SHEATHING <4 IN ON CENTER.
193	SOILS (IBC 1705.6)		
194	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	
195	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	PERIODIC	
196	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC	
197	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	CONTINUOUS	
198	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC	
263	STRUCTURAL OBSERVATIONS (IBC 1704.6)		
264	ITEM TO BE OBSERVED:		NAME OF OBSERVER:
265	FOOTINGS & PIERS		
266	DEEP FOUNDATIONS		
267	GRADE BEAMS		
268	CONCRETE WALLS		
269	MASONRY WALLS		
270	WOOD WALLS		
271	STEEL MOMENT FRAMES		
272	STEEL BRACED FRAMES		
273	CONCRETE MOMENT FRAMES		
274	CONCRETE DIAPHRAGMS		
275	STEEL DECK DIAPHRAGMS		
276	WOOD DIAPHRAGMS		
277	POST-TENSIONED DECK		
278	OTHER:		
280	OTHER:		
*INSPECTION AGENCIES FIRM	ADDRESS		TELEPHONE NO.
1. OWNER'S TESTING AGENCY			
2.			
3.			
4.			
NOTE: THE INSPECTION AND TESTING AGENT(S) SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED, ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE INSPECTION AGENCY(S) MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.		DATE:	
NOTES:			
1. STRUCTURAL STEEL WELDING: A. COMPLETE AND FULL PENETRATION GROOVE WELDS - CONTINUOUS. B. MULTIPLE - PASS FILLET WELDS - CONTINUOUS. C. MULTIPLE - PASS BUTT WELDS - CONTINUOUS. D. SINGLE - PASS FILLET WELDS - 5/16" - PERIODIC. E. DECK WELDS - PERIODIC.		3. EXCEPTIONS: SPECIAL INSPECTIONS SHALL NOT BE REQUIRED FOR: A. ISOLATED SPREAD CONCRETE FOOTINGS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK. B. CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK WHERE: 1. FOOTINGS SUPPORT WALLS OF LIGHT-FRAME CONSTRUCTION. 2. FOOTINGS ARE DESIGNED IN ACCORDANCE WITH TABLE 1809.7. 3. THE STRUCTURAL DESIGN OF THE FOOTING IS BASED ON A SPECIFIED COMPRESSIVE STRENGTH, F <sub>c</sub> , NO GREATER THAN 2500 POUNDS PER SQUARE INCH (PSI), REGARDLESS OF THE COMPRESSIVE STRENGTH SPECIFIED IN THE CONSTRUCTION DOCUMENTS OR USED IN THE FOOTING CONSTRUCTION. C. NONSTRUCTURAL CONCRETE SLABS SUPPORTED DIRECTLY ON THE GROUND, INCLUDING PRESTRESSED SLABS ON GRADE, WHERE THE EFFECTIVE PRESTRESS IN THE CONCRETE IS LESS THAN 150 PSI. D. CONCRETE FOUNDATION WALLS CONSTRUCTED IN ACCORDANCE WITH TABLE 1807.1.6.2. E. CONCRETE PATIOS, DRIVEWAYS AND SIDEWALKS ON GRADE.	
2. REINFORCING STEEL WELDING: A. VERIFICATION OF WELDABILITY - PERIODIC. B. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL IN TENSION AND COMPRESSION - CONTINUOUS. C. BOUNDARY ELEMENTS IN SPECIAL WALLS OR SHEAR REINF - CONTINUOUS. D. OTHER REINFORCING - PERIODIC.			
DEFINITIONS: PERIODIC - PART-TIME OR INTERMITTENT OBSERVATION OF WORK THAT HAS BEEN/IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK. CONTINUOUS - FULL-TIME OBSERVATION OF WORK. INSPECTOR IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. OBSERVE - INSPECT THESE ITEMS ON A RANDOM/INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. PERFORM - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER, BOLTED CONNECTION, OR STEEL ELEMENT PRIOR TO FINAL ACCEPTANCE.			



**GNC**

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	ISSUE	DATE
	FINAL SUBMITTAL	06/10/2022
	ADDENDUM #1	08/03/2022
	DRAWN BY:	WJB
	CHECKED BY:	GLT

DRAWN BY:	WJB
CHECKED BY:	GLT

**ADDITION TO DESHLER HIGH SCHOOL**  
803 NORTH COMMONS STREET EAST,  
TUSCUMBIA, AL. 35674  
GMC # AHUN210012

GMC # AHUN210012



06/10/22

## 2015 SCHEDULE OF

## SPECIAL INSPECTIONS

**\$1.02**

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NOTES:  
1. PROVIDE SCHEDULED REINFORCING IN TOP AND BOTTOM OF FOOTING.



TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINF.

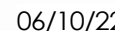


ZONE 1 - INTERIOR ROOF  
ZONE 2 - ROOF WITHIN 4' OF BUILDING EDGE  
ZONE 3 - ROOF WITHIN 4' OF (2) EDGES  
ZONE 4 - INTERIOR WALLS  
ZONE 5 - WALLS WITHIN 4' OF BUILDING EDGE

1

\* GENERAL REVISIONS

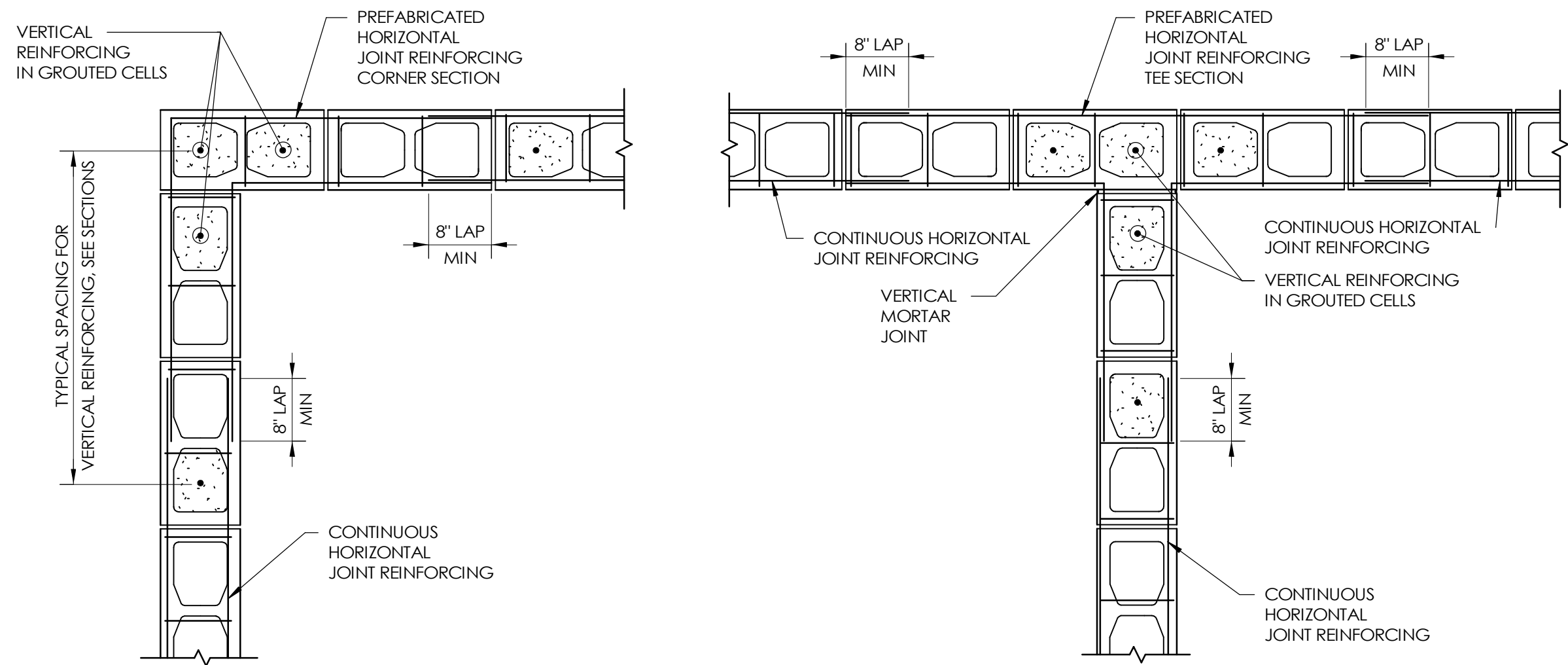
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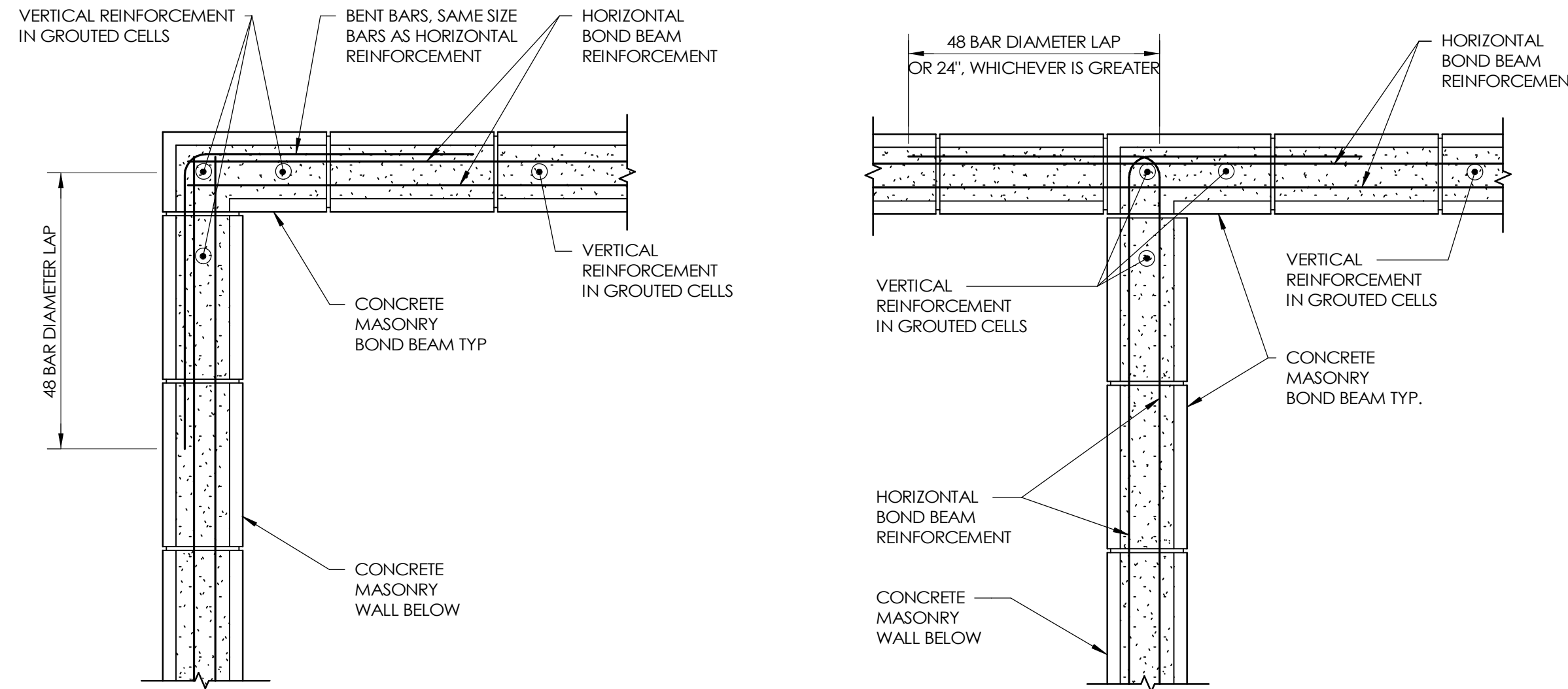
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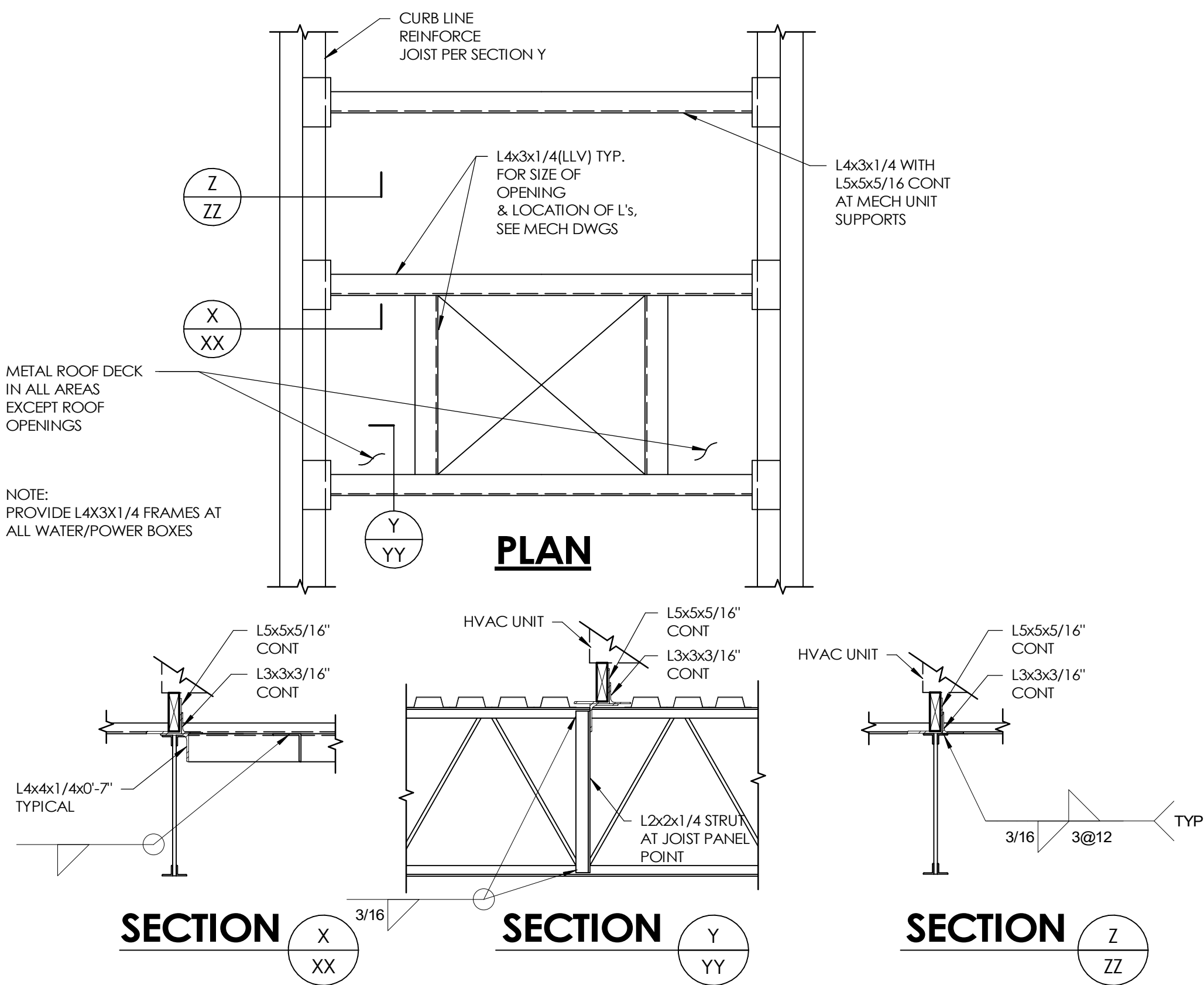
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TYPICAL WALL CORNER REINFORCING DETAILS

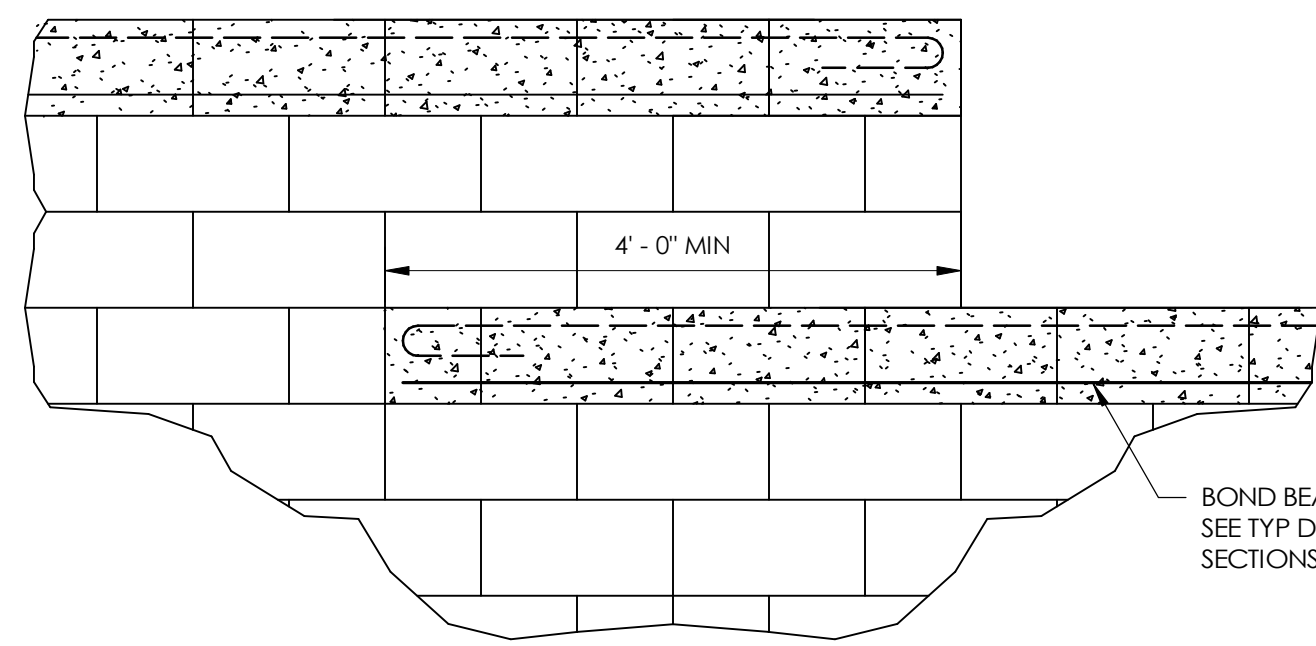


TYPICAL BOND BEAM CORNER REINFORCING DETAILS

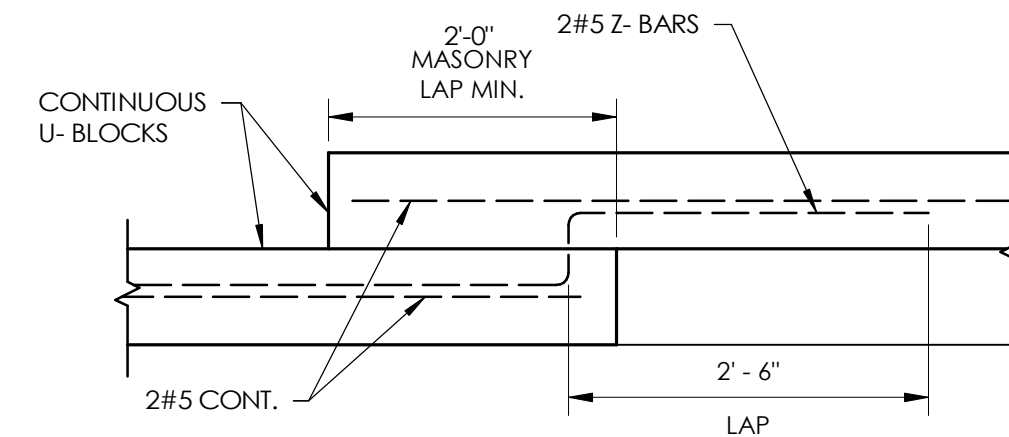


ROOF EQUIPMENT & OPENING FRAME DETAIL

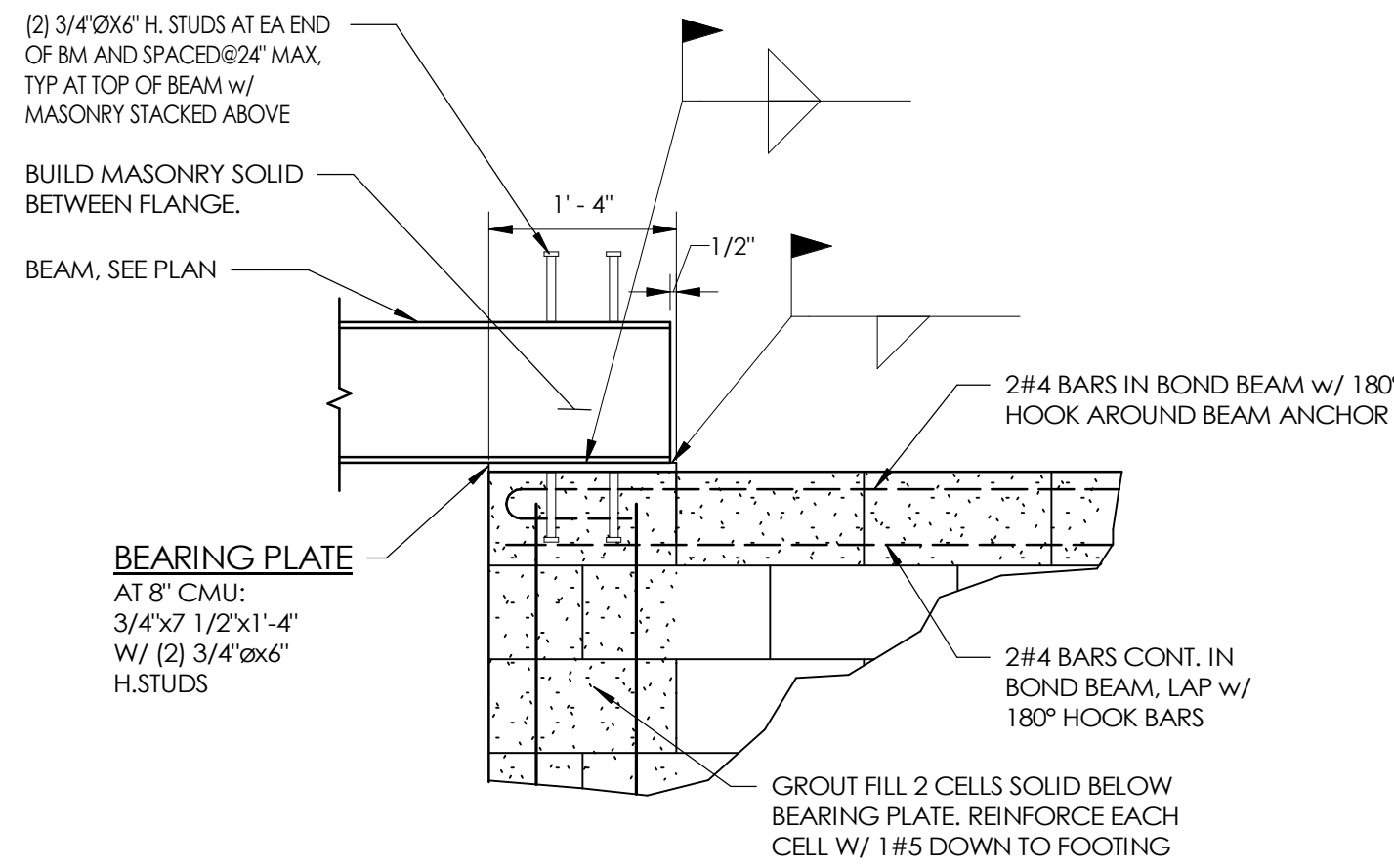
TYPICAL AT ALL OPENINGS IN ROOF LARGER THAN 8"



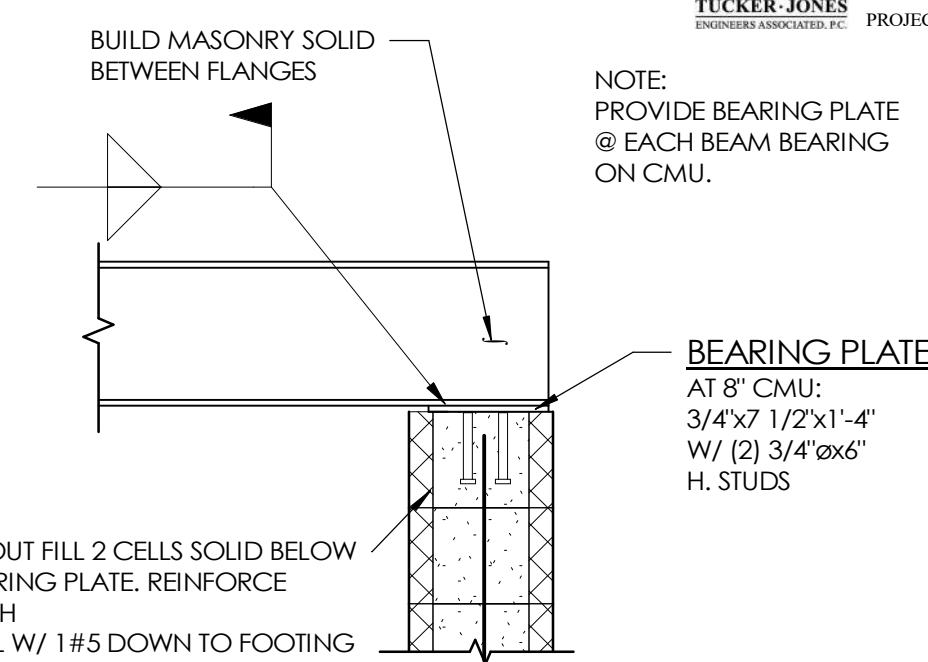
TYPICAL BOND BEAM AT WALL STEP DETAIL



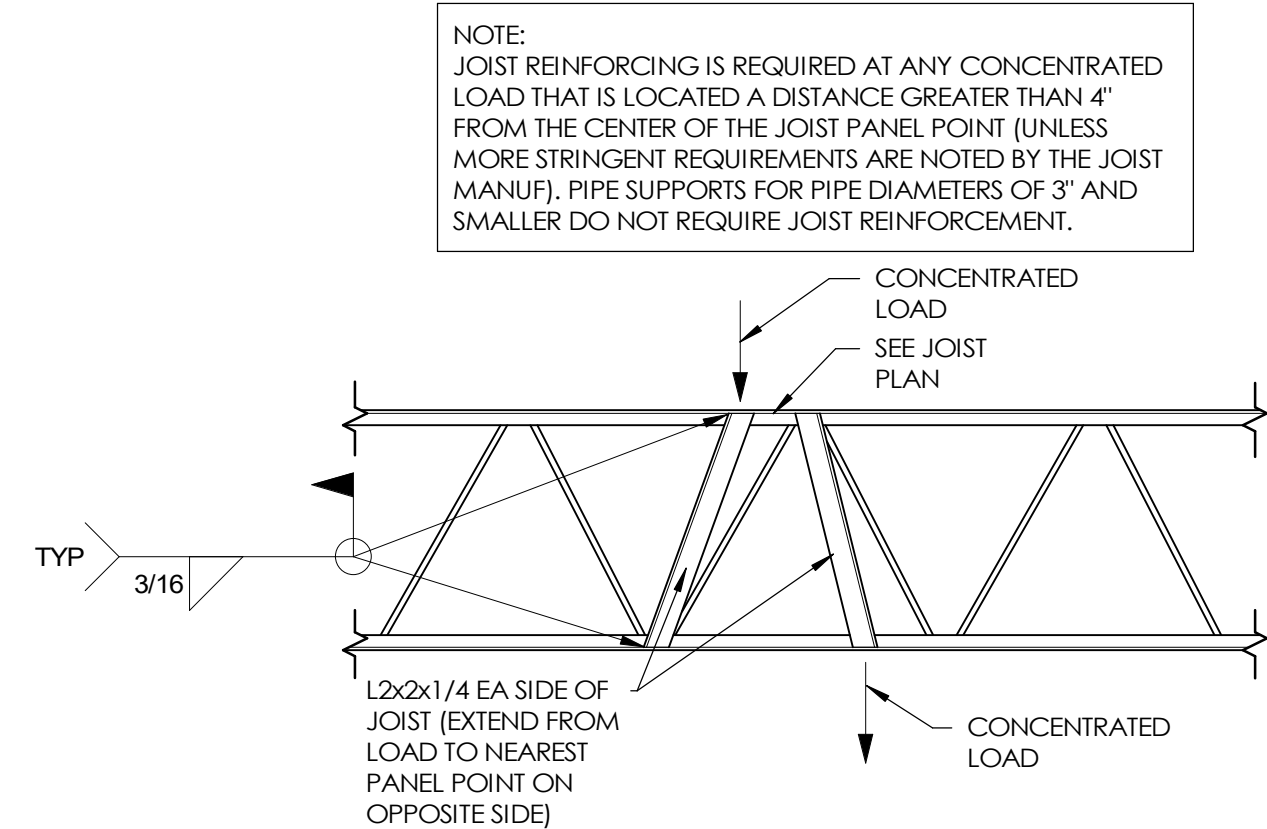
TYPICAL BOND BEAM STEP DETAIL



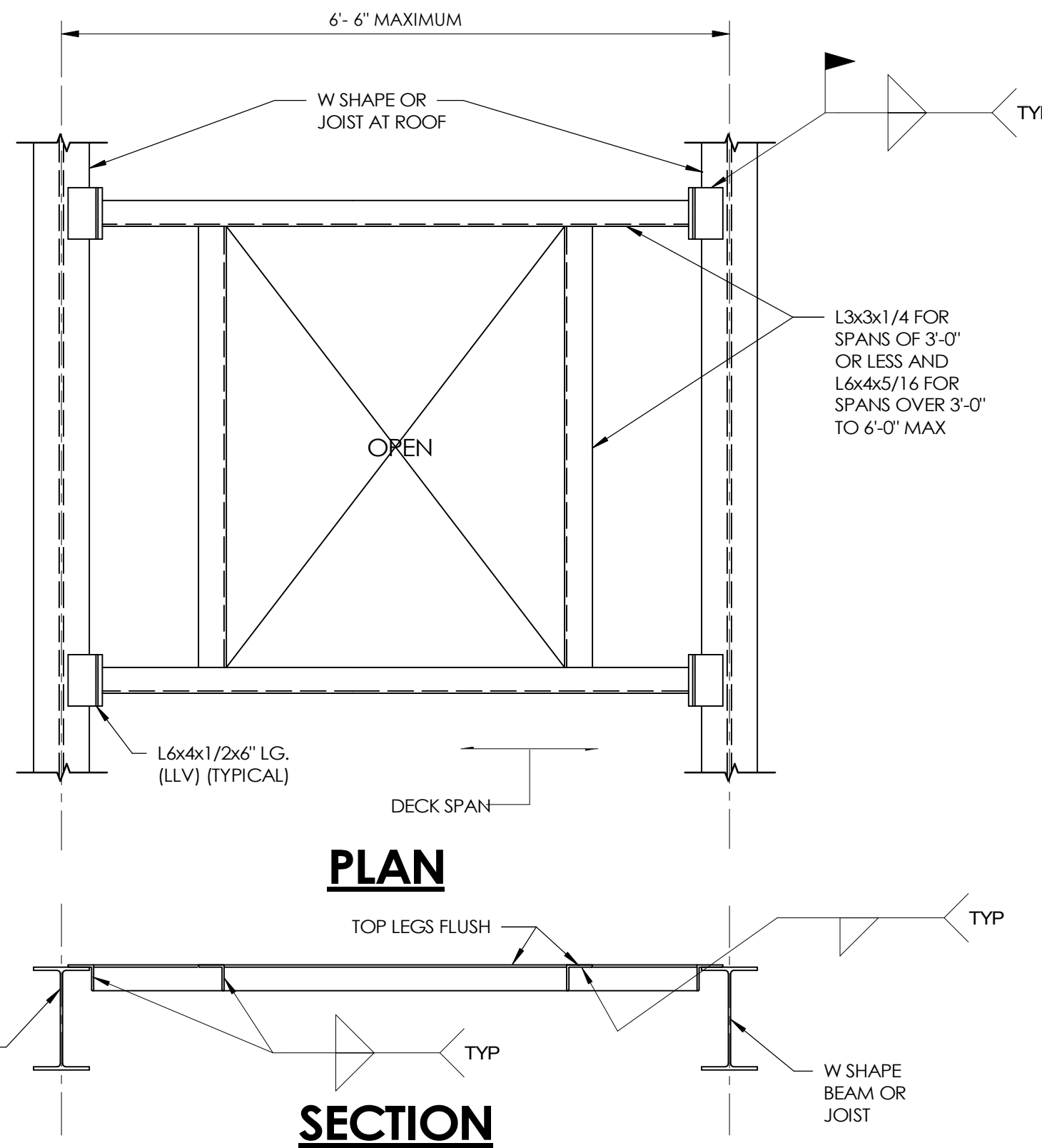
TYPICAL BEAM BEARING DETAIL



TYPICAL BEAM/TUBE BEARING DETAIL



TYPICAL JOIST REINFORCEMENT DETAIL



TYPICAL DROP-IN FRAME AT ROOF HATCH

(WHERE NO CONCRETE EXISTS)

MASONRY WALL LAP SPICE SCHEDULE

BAR Ø	8" WIDE WALLS f'm = 2000psi	12" WIDE WALLS f'm = 2000psi
#4	15"	12"
#5	24"	15"
#6	44"	28"
#7	61"	38"
#8	91"	57"

MASONRY LINTEL SCHEDULE

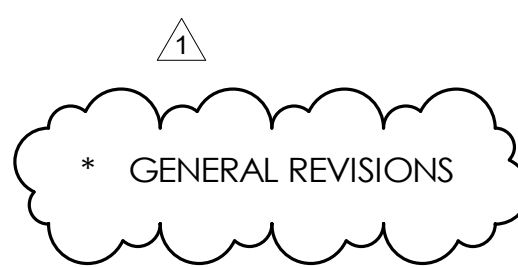
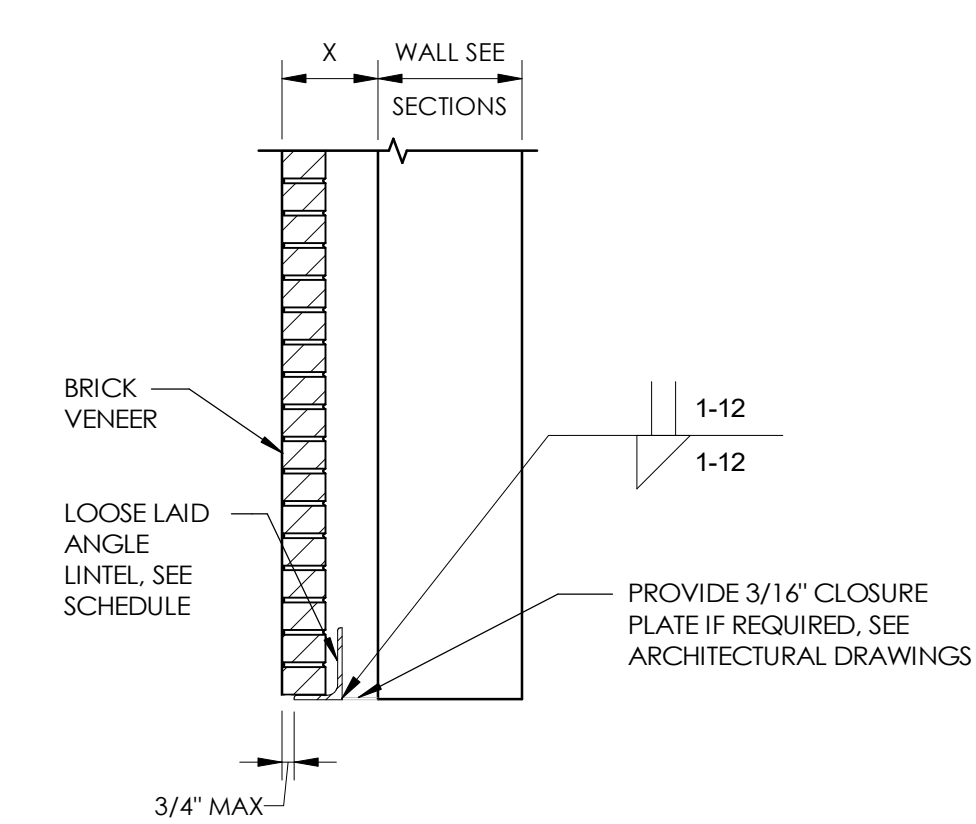
MAXIMUM OPENING WIDTH	LINTEL DIMENSIONS & REINFORCING		
	DEPTH	8" WALL	12" WALL
2'-0"	8	1#4 BOT	1#4 BOT
4'-0"	8	1#4 BOT	2#4 BOT
6'-0"	8	2#5 BOT & 1#4 TOP	2#5 BOT & 2#4 TOP
8'-0"	16	2#5 BOT & 2#4 TOP	2#5 BOT & 2#5 TOP
10'-0"	24	2#7 BOT & 2#5 TOP	2#6 BOT & 2#5 TOP
12'-0"	24	2#7 BOT & 2#5 TOP	2#6 BOT & 2#5 TOP

- DO NOT USE THIS SCHEDULE IF CONCENTRATED LOAD IS APPLIED TO THE LINTEL AT A HEIGHT LESS THAN HALF THE SPAN ABOVE THE LINTEL, OR IF THE HEIGHT OF BRICK ABOVE THE LINTEL EXCEEDS TEN FEET.
- PROVIDE 8" MINIMUM BEARING ON SOLID GROUTED CELLS FOR ALL LINTELS.
- HOOK #7 BARS OR GREATER INTO BOND BEAM TO ACHIEVE ADEQUATE DEVELOPMENT LENGTH.

BRICK LOOSE LINTEL SCHEDULE

CLEAR SPAN	X = 7"
UP TO 6'-0"	L5x3 1/2x3/8, LLV
6'-0" TO 8'-0"	L6x4x3/8, LLV

- NOTES:
- DO NOT USE THIS SCHEDULE IF A CONCENTRATED LOAD IS APPLIED TO THE LINTEL AT A HEIGHT LESS THAN HALF THE SPAN ABOVE THE LINTEL.
  - PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.
  - ALL LINTELS SHALL BE GALVANIZED.
  - VERTICAL CONTROL JOINTS IN THE BRICK WITHIN DISTANCE OF CLEAR SPAN/2 FROM THE ROUGH OPENING ARE NOT ALLOWED.



TYPICAL DETAILS

ADDITION TO DESHLER HIGH SCHOOL

303 NORTH COMMONS STREET EAST,

TUSCUMBIA, AL. 35674

GMC # AHUN210012

DCM # 2020282

PSCA # 9064



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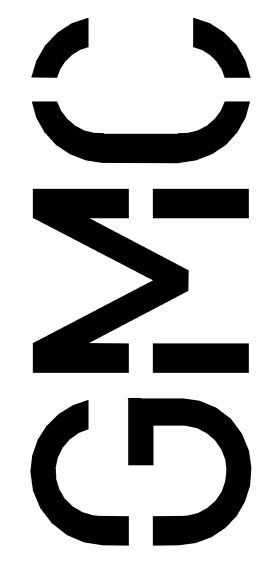
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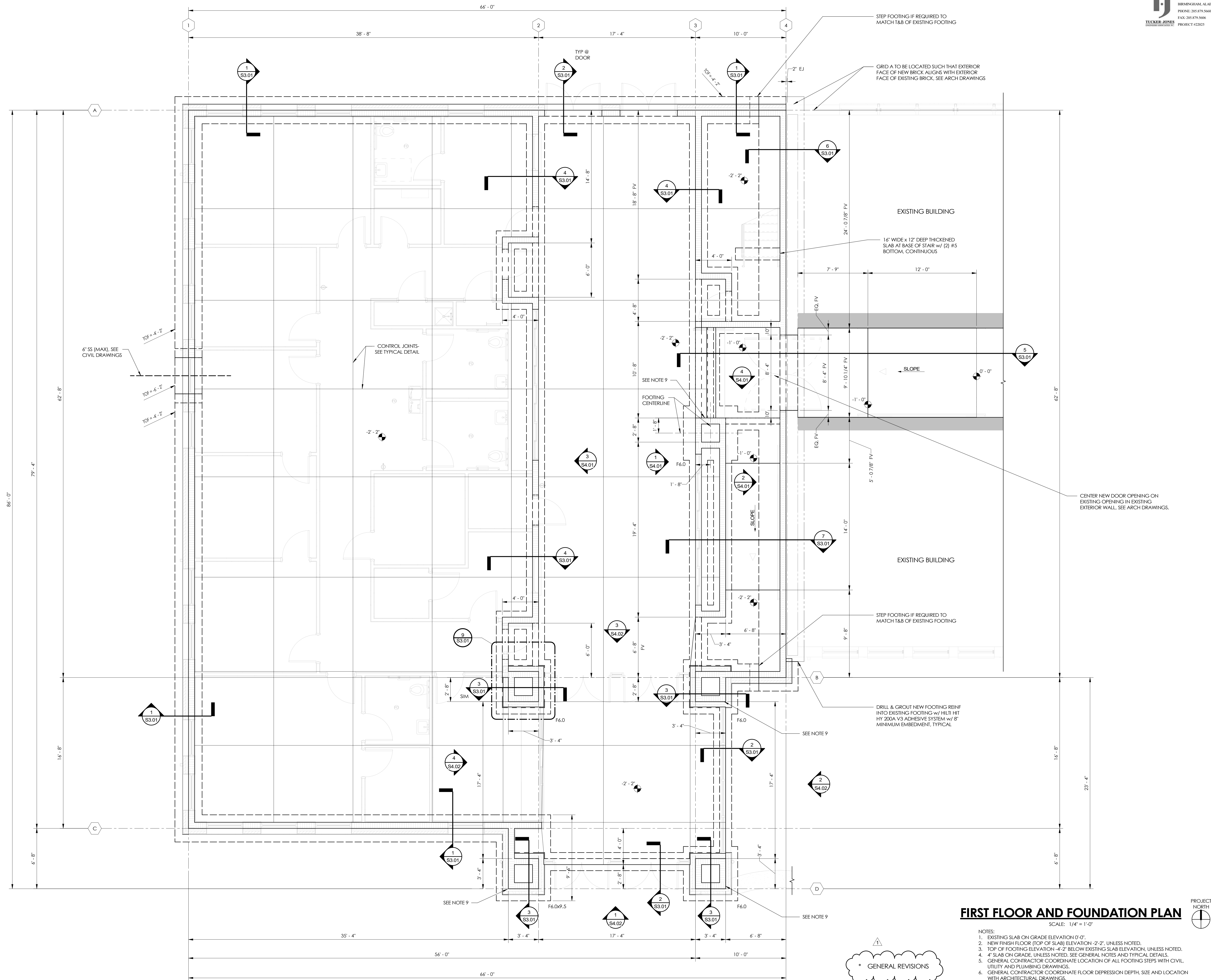
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ADDENDUM #1 08/03/2022

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FIRST FLOOR AND FOUNDATION PLAN

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

- NOTES:
1. EXISTING SLAB ON GRADE ELEVATION 0'-0".
  2. NEW FINISH FLOOR (TOP OF SLAB) ELEVATION -2'-2", UNLESS NOTED.
  3. TOP OF FOOTING ELEVATION -4'-2" BELOW EXISTING SLAB ELEVATION, UNLESS NOTED.
  4. #4 SLAB ON GRADE, UNLESS NOTED, SEE GENERAL NOTES AND TYPICAL DETAILS.
  5. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL FOOTING STEPS WITH CIVIL, UTILITY AND PLUMBING DRAWINGS.
  6. GENERAL CONTRACTOR COORDINATE FLOOR DEPRESSION DEPTH, SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
  7. GENERAL CONTRACTOR COORDINATE LOCATION OF TILE JOINTS WITH CONTROL JOINTS.
  8. FOR DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
  9. SEE DETAIL 9/S3.01 FOR REINFORCING AT 3'-4"x3'-4" CMU PLASTER, TYPICAL 5 LOCATIONS.



FIRST FLOOR AND  
FOUNDATION PLAN

ADDITION TO DESHLER HIGH SCHOOL

303 NORTH COMMONS STREET EAST,

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3300 CALHOUN ROAD, SUITE 210  
BIRMINGHAM, ALABAMA 35223  
PHONE: 205.979.5560  
FAX: 205.979.5566  
PROJECT #22025





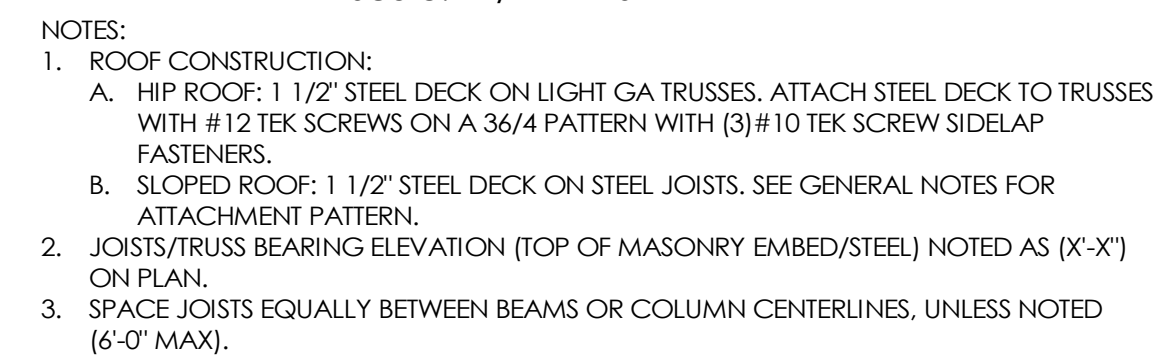
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NOTES:

1. LOW ROOF CONSTRUCTION:
  - A. 1 1/2" STEEL DECK ON STEEL JOISTS. SEE GENERAL NOTES FOR ATTACHMENT PATTERN.
  - B. JOISTS BEARING ELEVATION (TOP OF MASONRY EMBED/STEEL) NOTED AS [X"X] ON PLAN.
  - C. ROOF IS SLOPING UNIFORMLY FROM EITHER END/NOTED, TYPICAL.
2. SECOND FLOOR CONSTRUCTION:
  - A. 8" THICK SLAB @ 1 1/2" MIN CONCRETE ON 9/16" NON-COMPOSITE STEEL DECK) ON STEEL JOISTS. SEE GENERAL NOTES FOR ATTACHMENT PATTERN.
  - B. EXISTING FINISH FLOOR (TOP OF SLAB) ELEVATION IS +13'-6" ABOVE EXISTING FLOOR (+13'-8" ABOVE NEW FIRST FLOOR FLEED VENT) (MATCH EXISTING).
  - C. JOISTS BEARING ELEVATION [TOP OF SLAB] BELOW FINISH FLOOR ELEVATION.
3. JOISTS LABELED AS "S1" SHALL BE DESIGNED FOR THE MECHANICAL UNIT WEIGHT IN ADDITION TO THE LOADING FROM THE FLOOR ABOVE.
4. SPACE JOISTS EQUALLY BETWEEN BEAMS OR COLUMN CENTRITIES, UNLESS NOTED (ROOF JOISTS MAX SPACING = 6'-0" FLOOR JOISTS MAX SPACING = 2'-0").
5. SEE GENERAL NOTES ON THE NOTES ON SHEET M.O.1. GENERAL CONTRACTOR TO COORDINATE FINAL RTU WEIGHTS (INCLUDING CURBS, ACCESSORIES, ETC.) WITH JOIST MANUFACTURER, TYPICAL.



## HIGH ROOF FRAMING

303 NORTH COMMONS STREET EAST.

303 NORTON COMMONS  
TUSCUMBIA, AL. 35674

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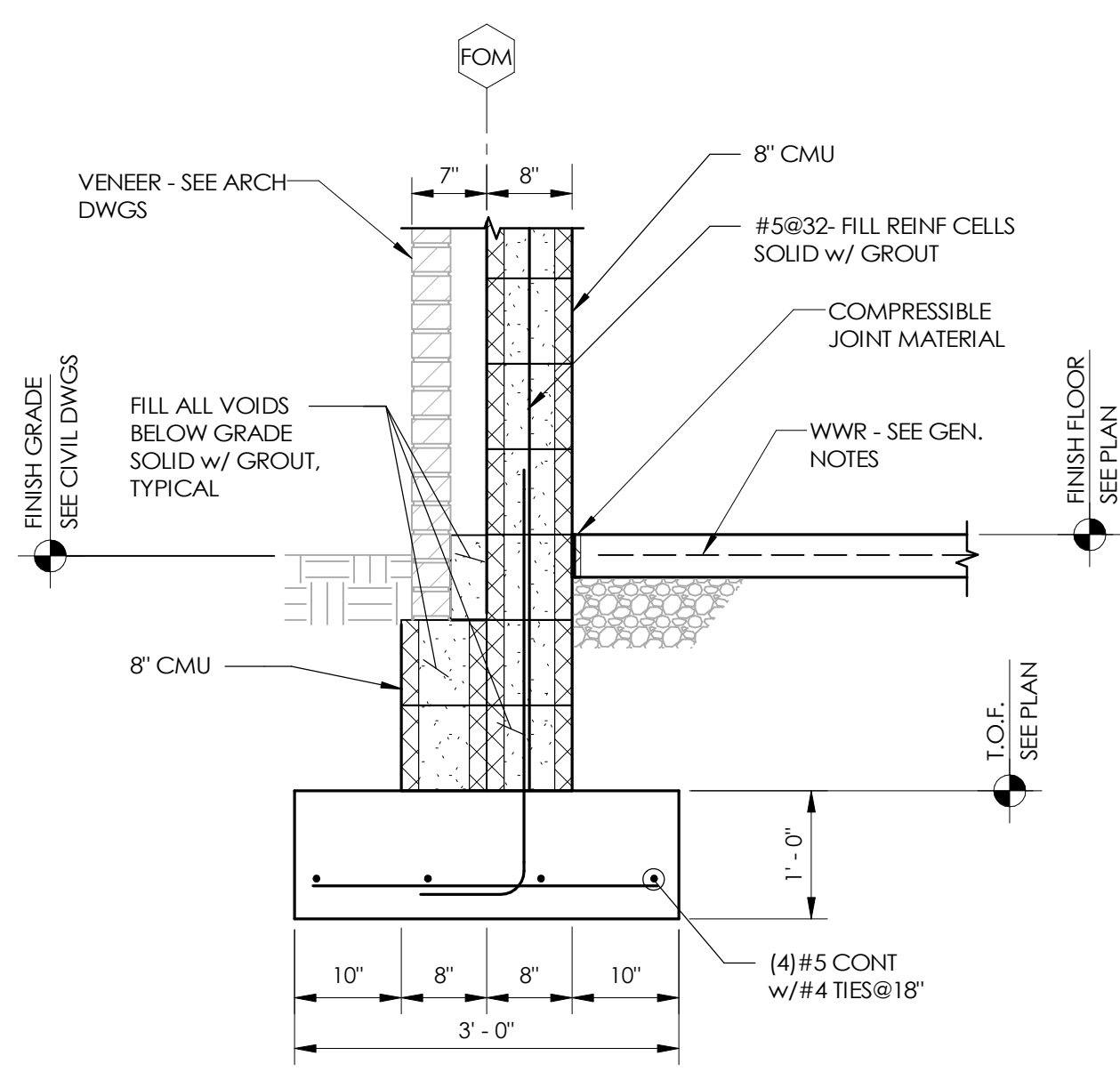
ADDENDUM #1 08/03/2022

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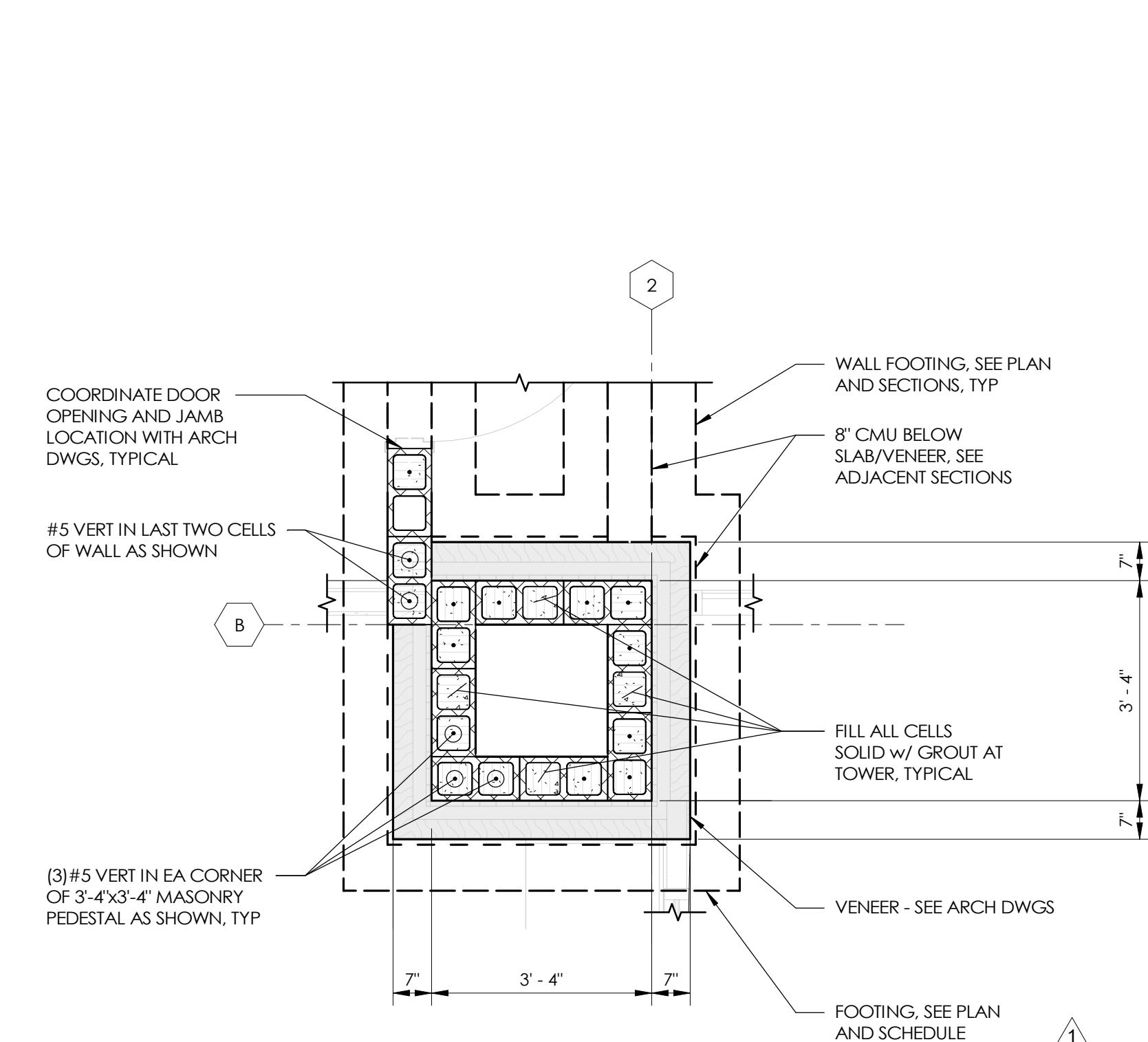
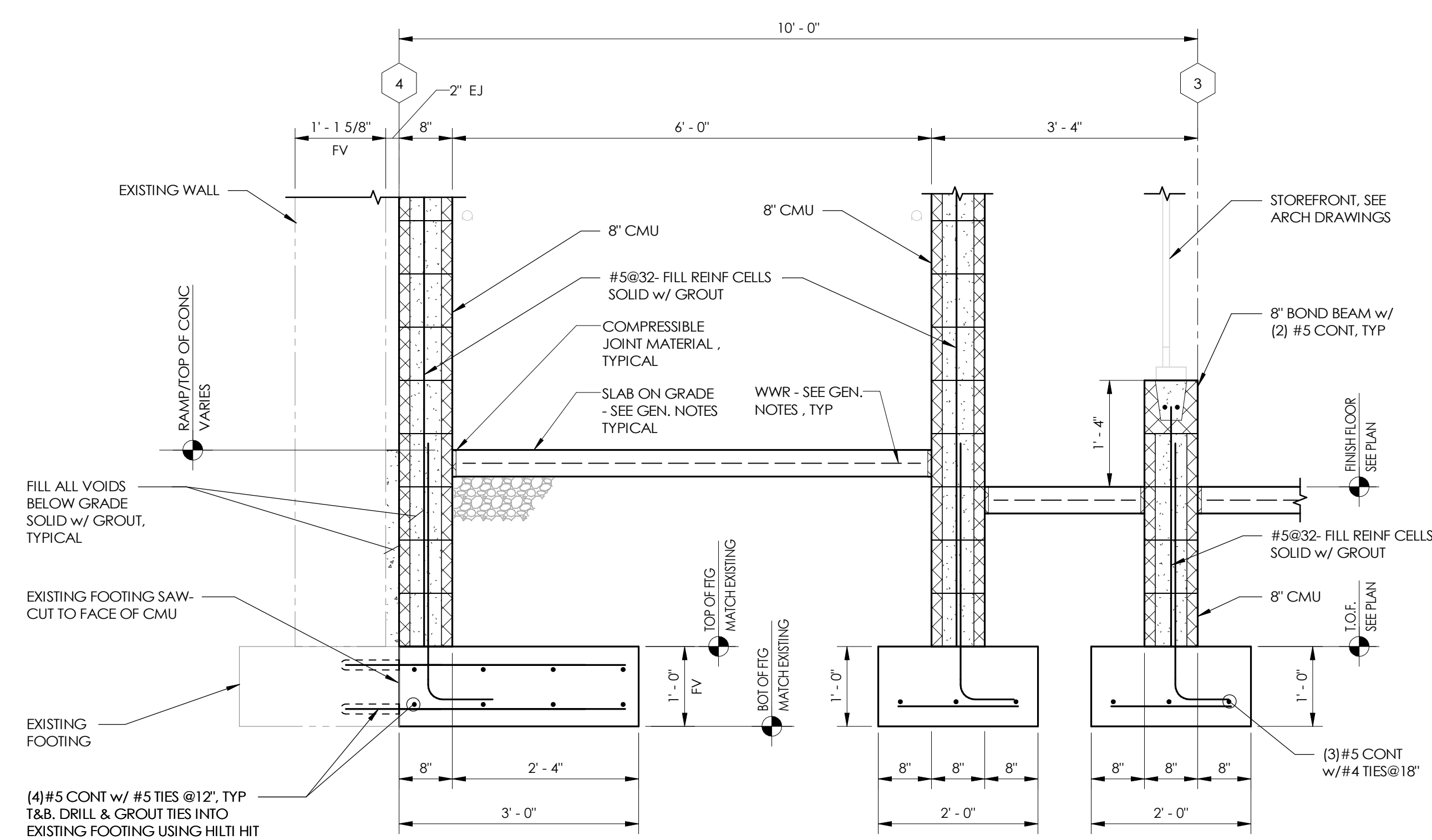
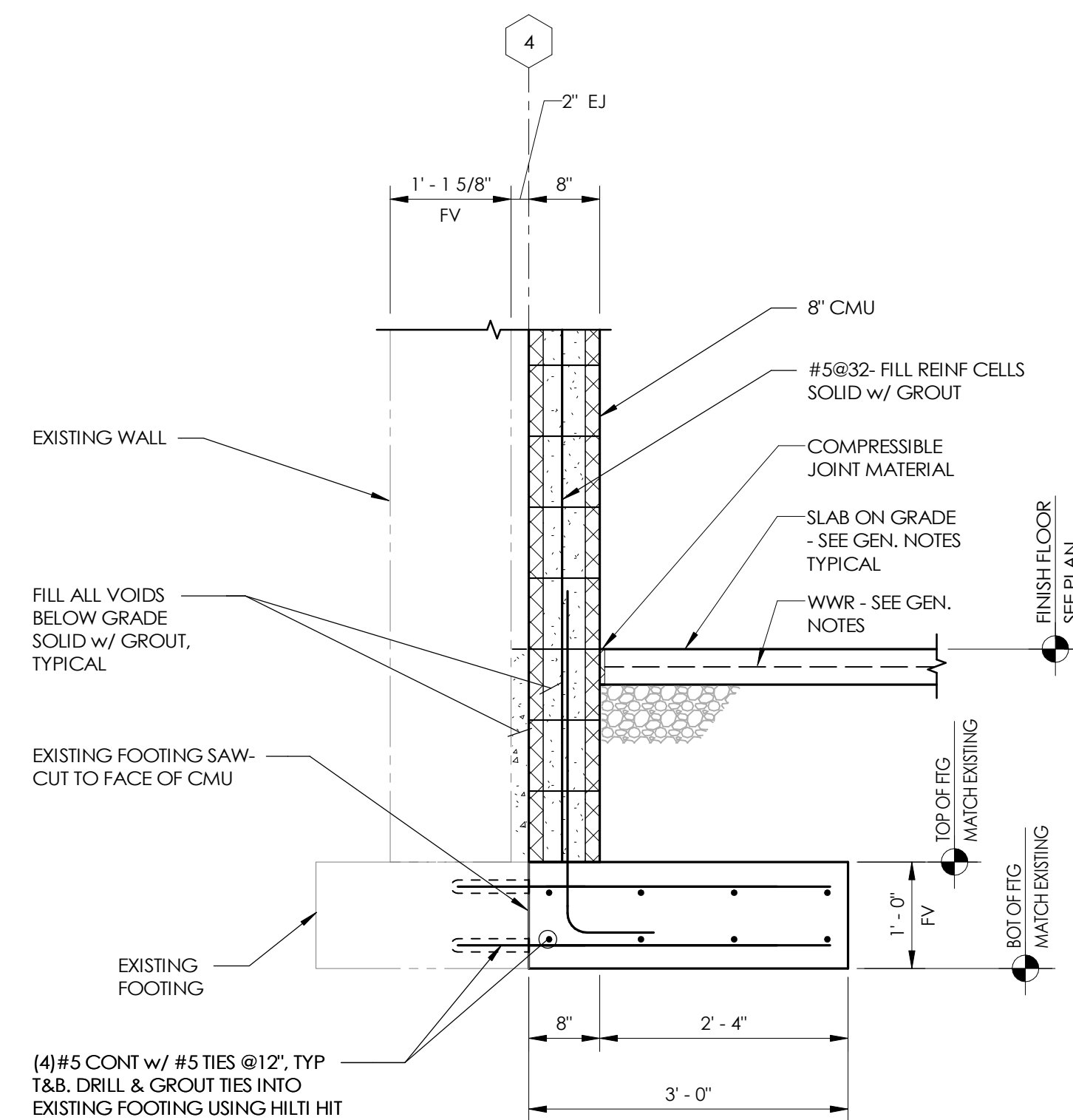
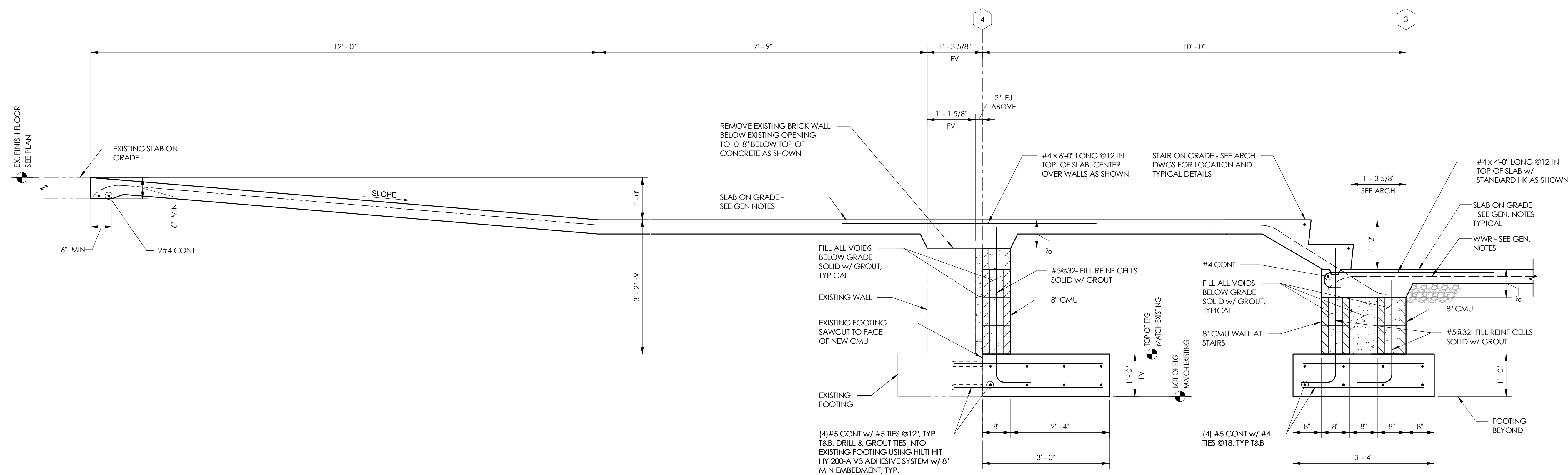
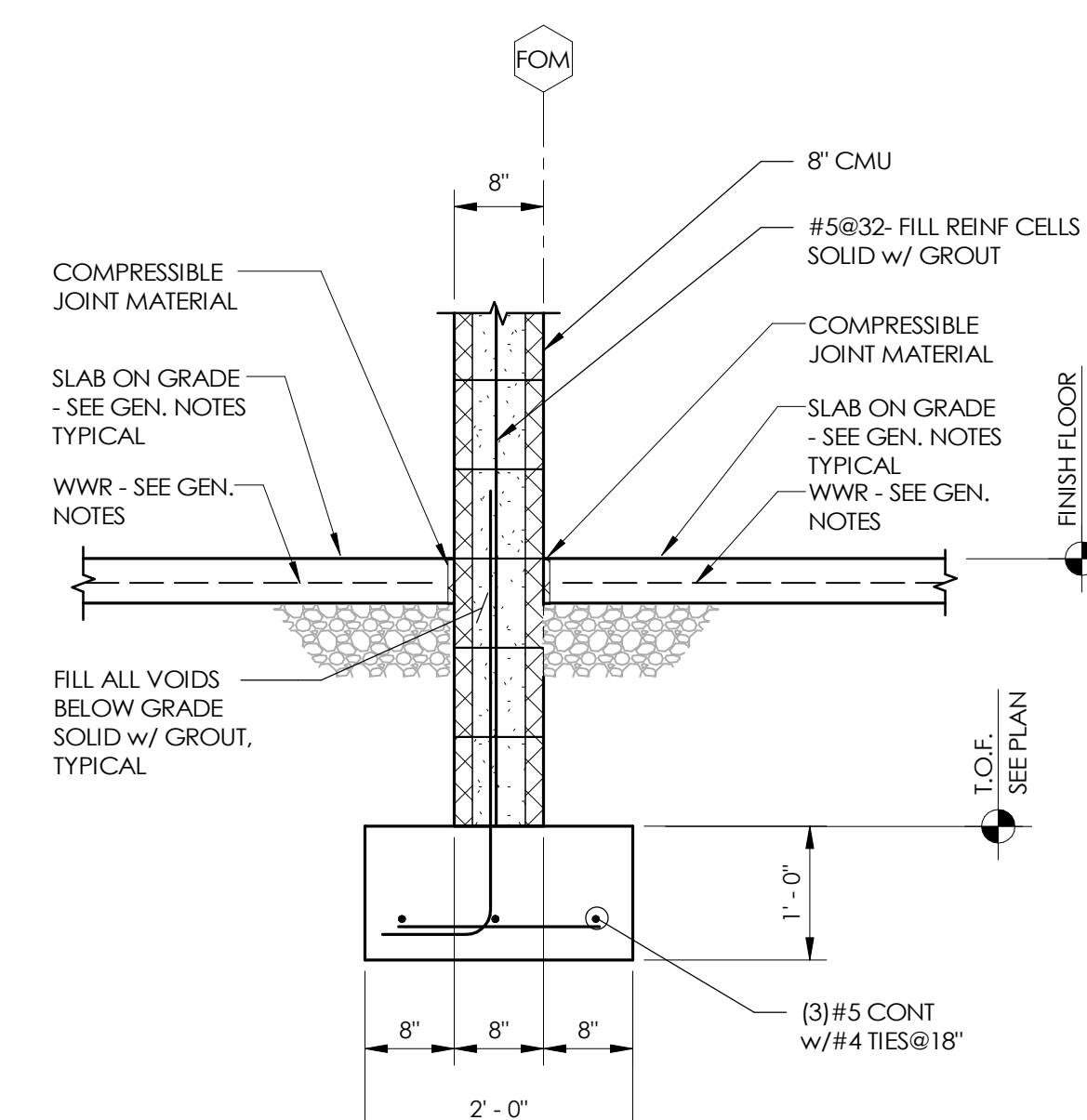
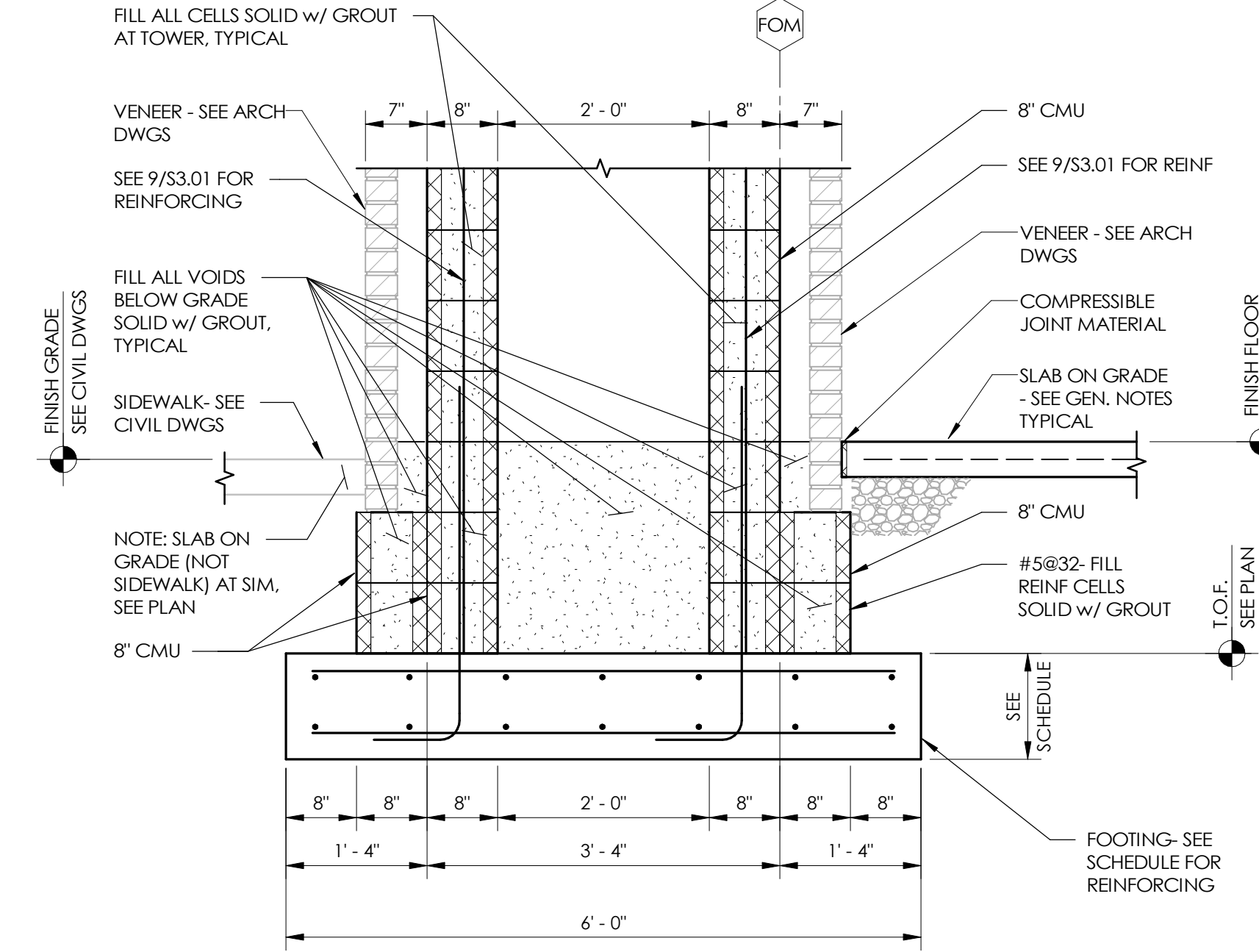
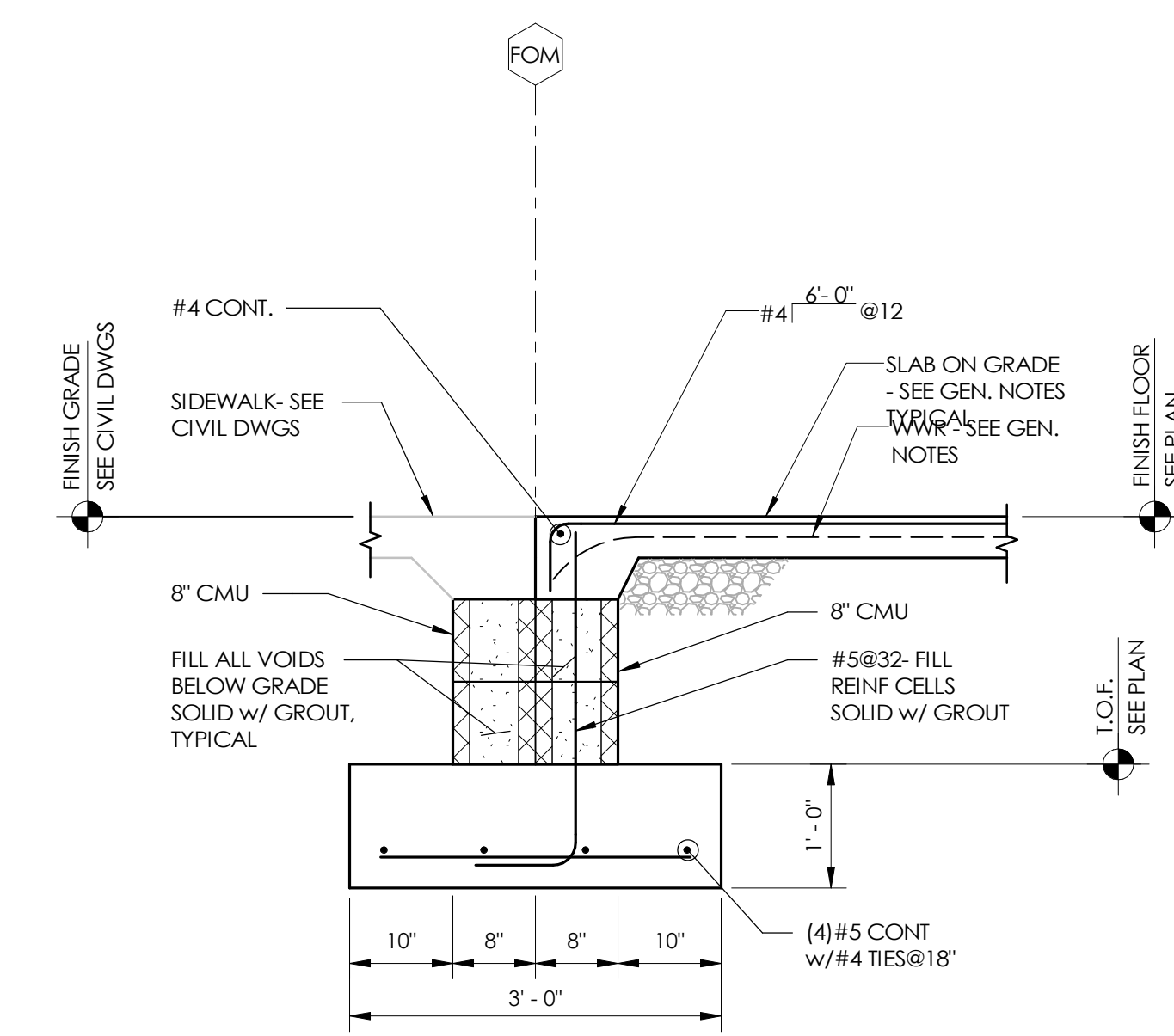
DRAWN BY:	WJB
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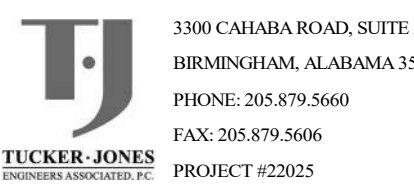




1 SECTION  
S3.01  $\frac{3}{4}" = 1'-0"$



- GENERAL REVISIONS



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	CHECKED BY:	GLT

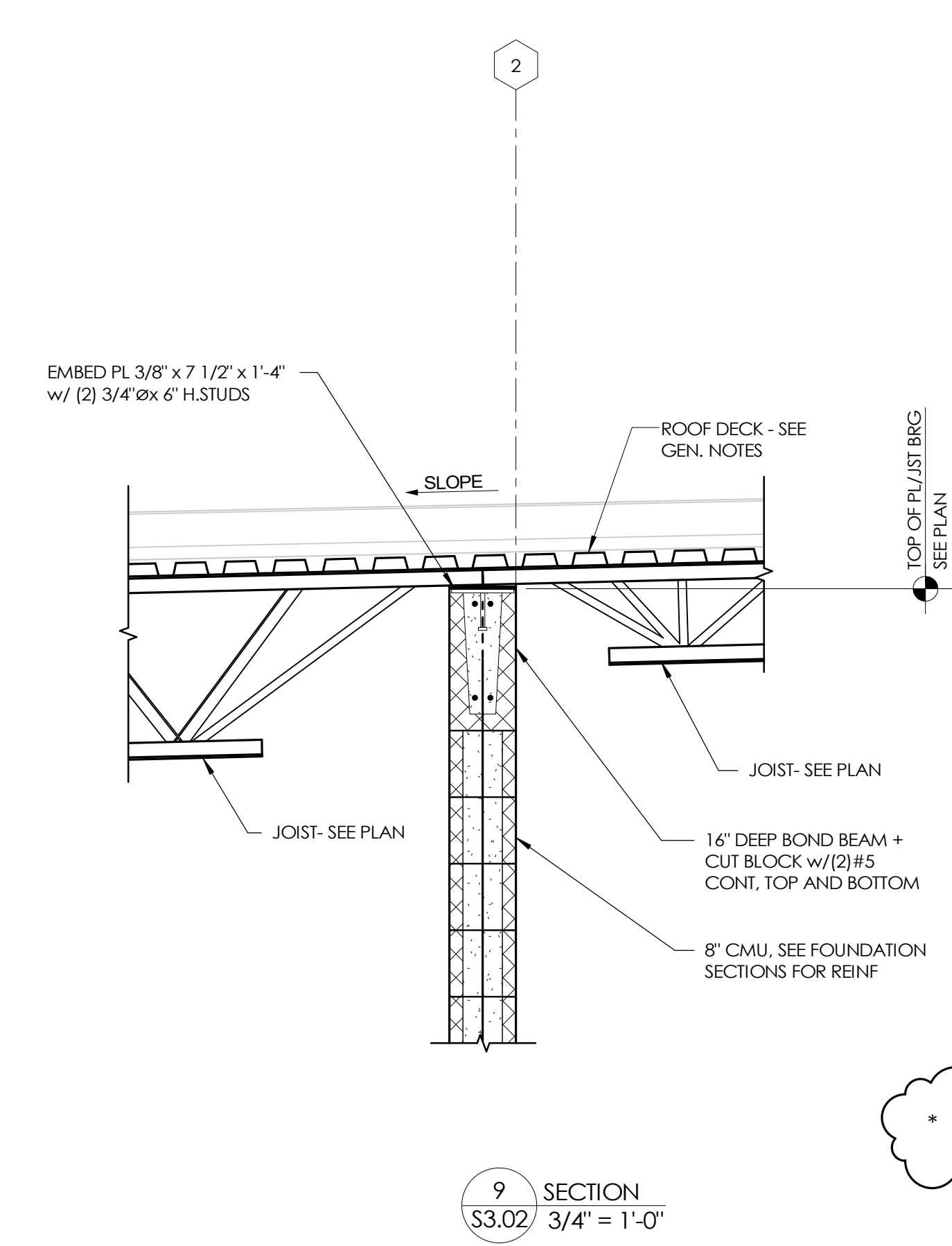
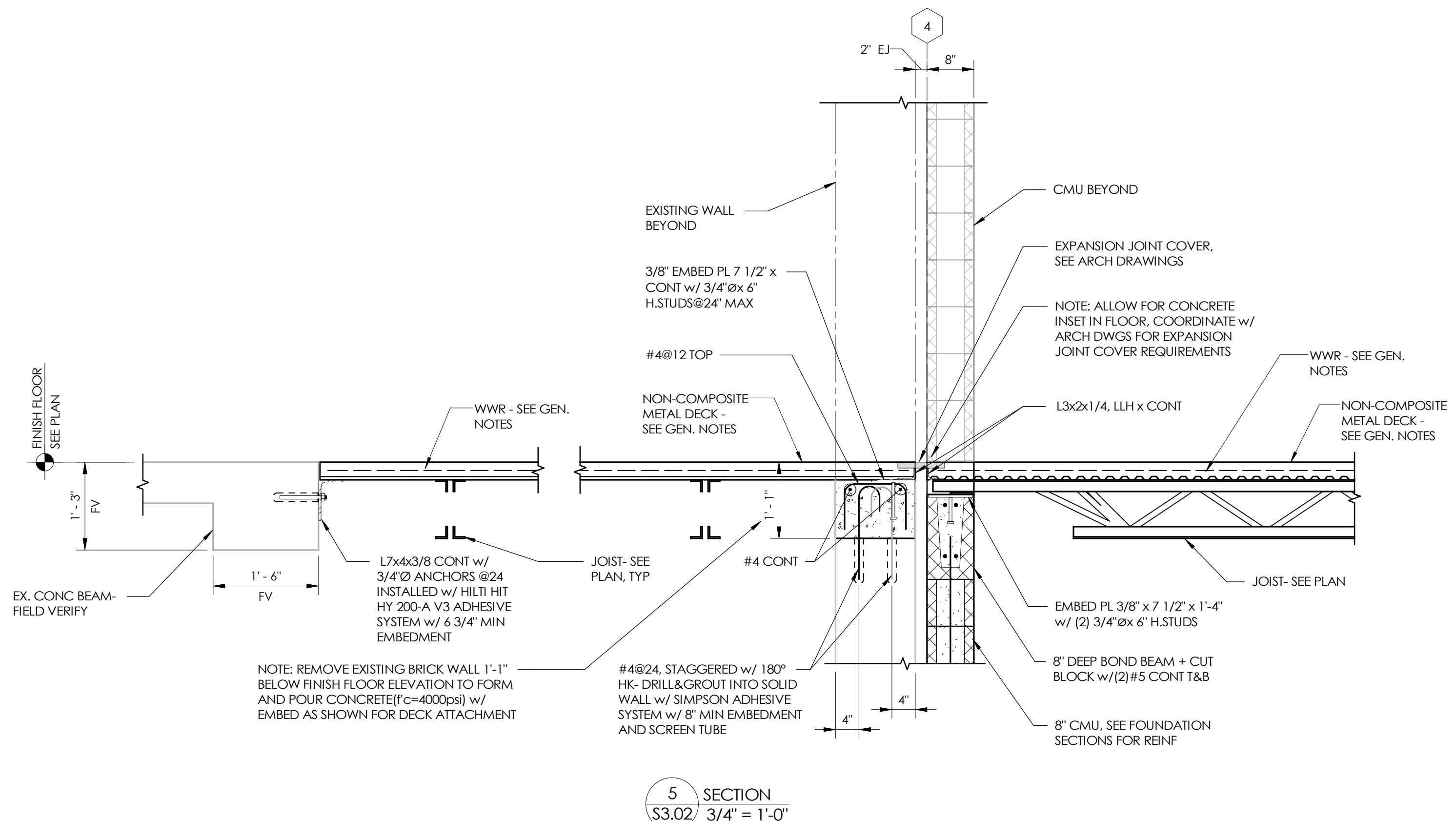
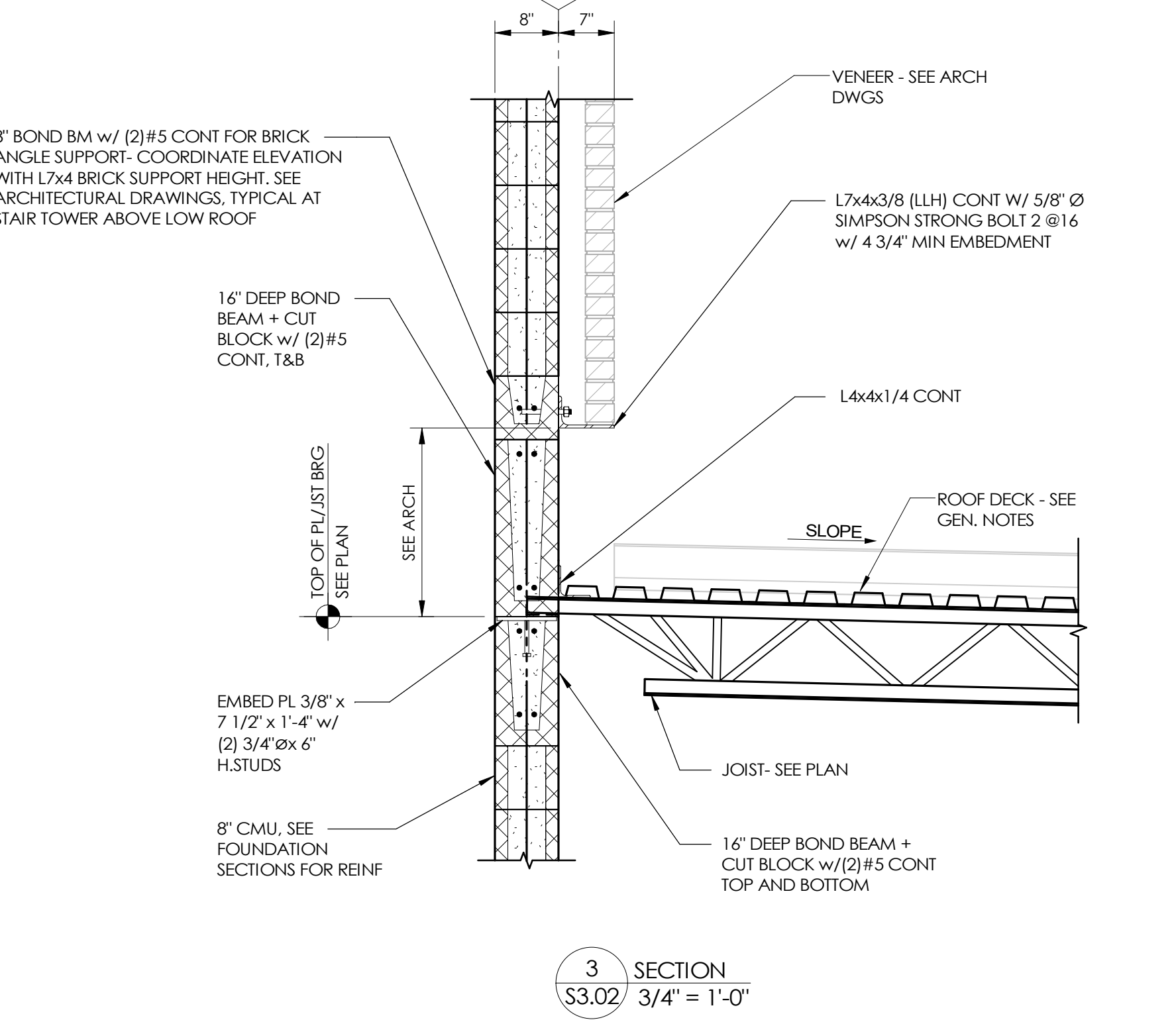
**ADDITION TO DESHLER HIGH SCHOOL**  
303 NORTH COMMONS STREET EAST,  
TUSCUMBIA, AL. 35674  
GMC # AHUN210012



## SECTIONS

### \$3.01





1

• GENERAL REVISIONS

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CHECKED BY:	GLT

GMC # AHUN210012

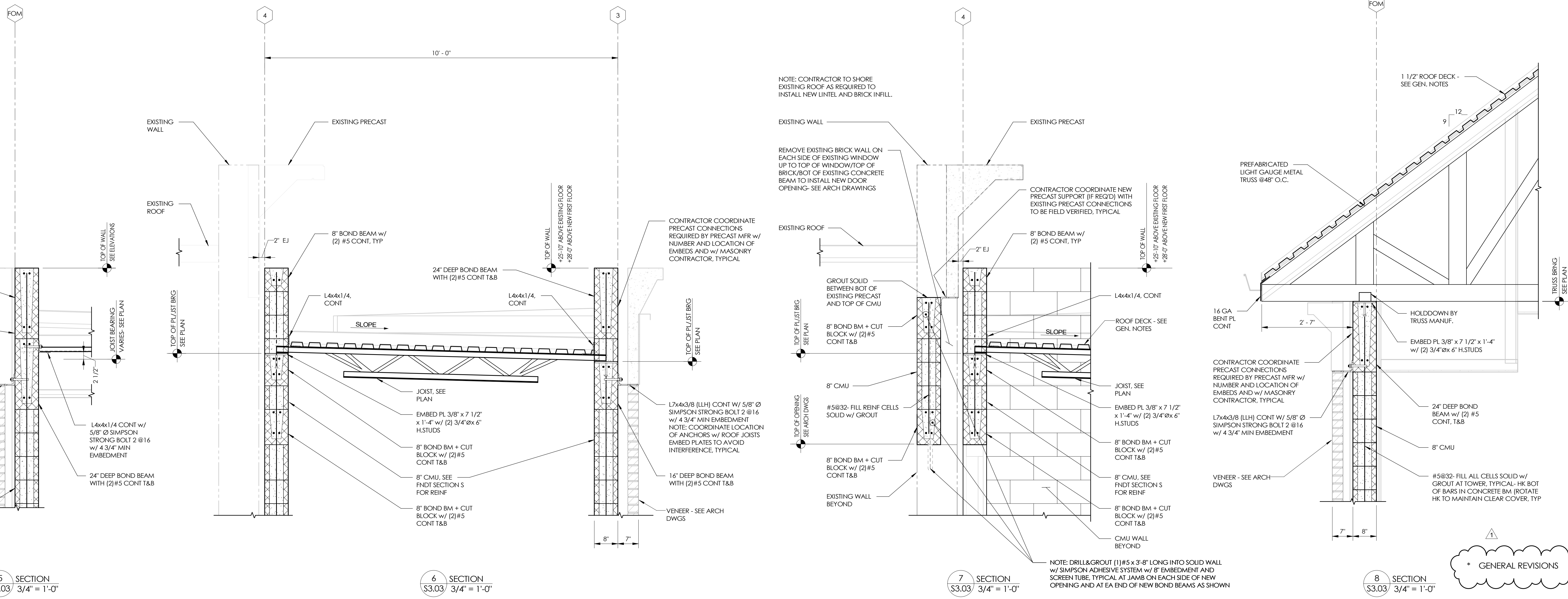
GMC # AHUN210012

### S3.03

sheet of



06/10/21





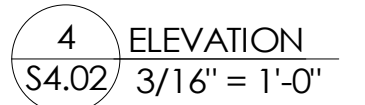
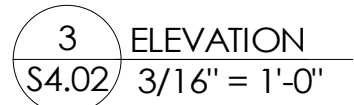
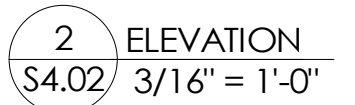
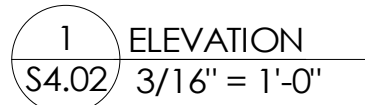




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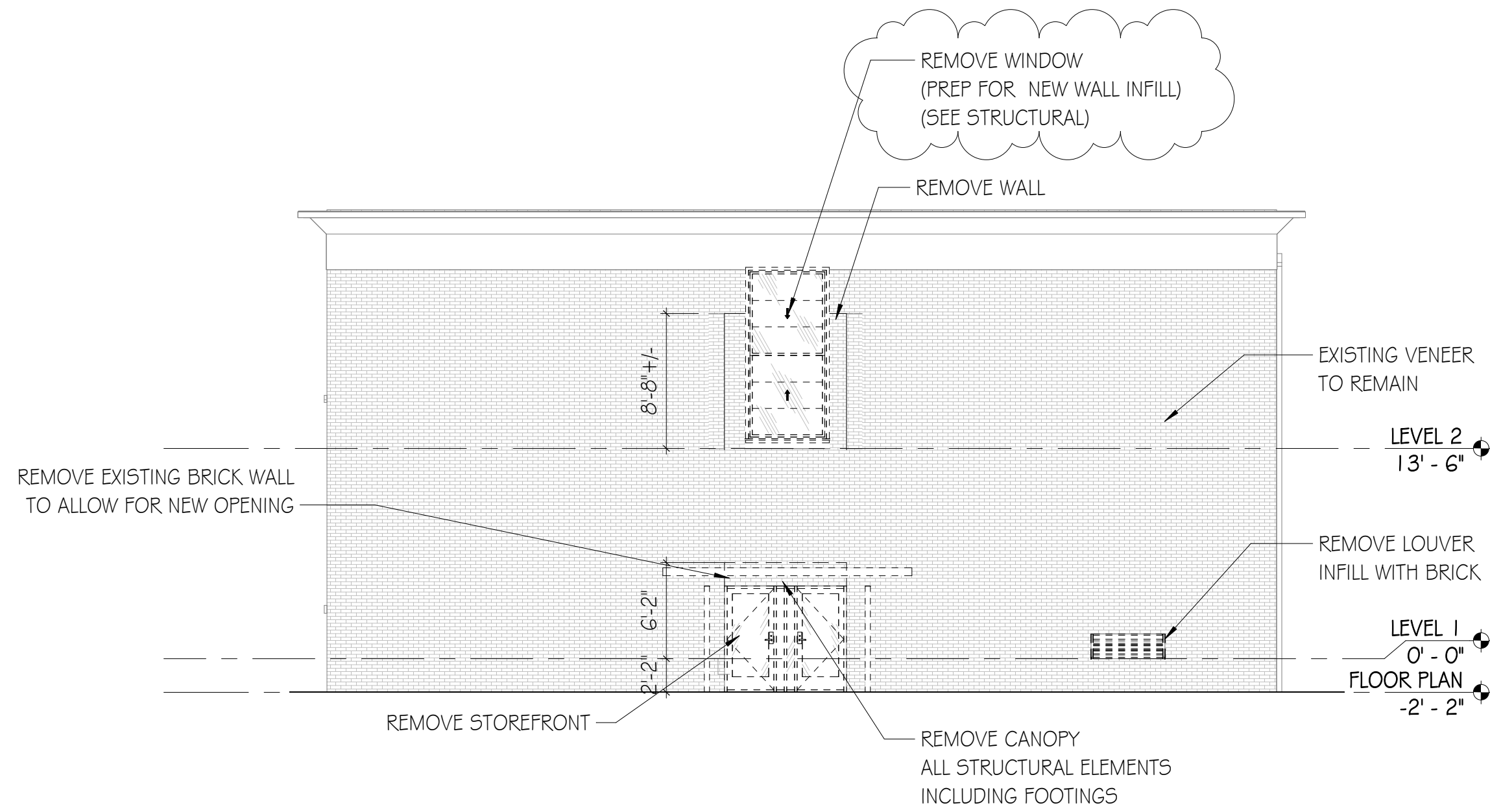
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REGISTERED  
No. 21338  
PROFESSIONAL  
ENGINEER  
GREG L. FORD  
06/10/22

\$4.02

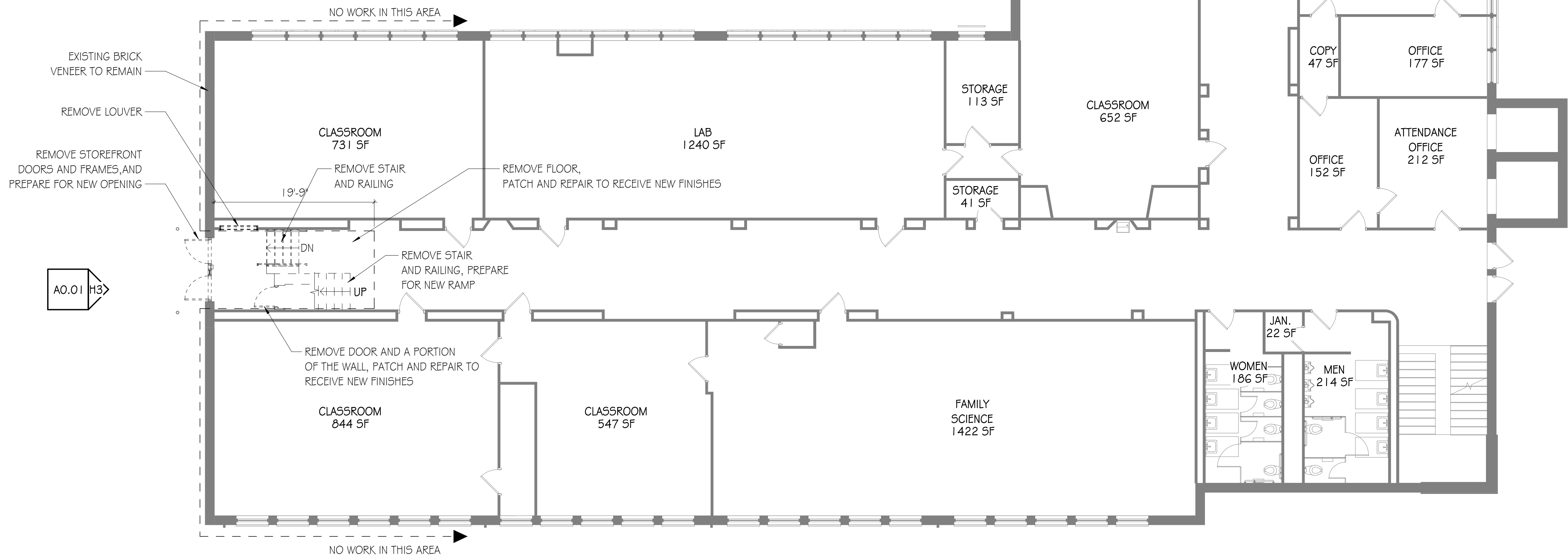


1

\* NEW SHEET



**H3 DEMO ELEVATION**  
SCALE: 1/8" = 1'-0"



**FIRST FLOOR DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"

DEMOLITION PLAN -

LEVEL 1

**A0.01**

sheet of

ADDITION TO DESHLER HIGH SCHOOL

303 NORTH COMMONS STREET EAST,

TUSCUMBIA, AL. 35674

GMC # AHUN210012

DCM # 2022059

ISSUE DATE

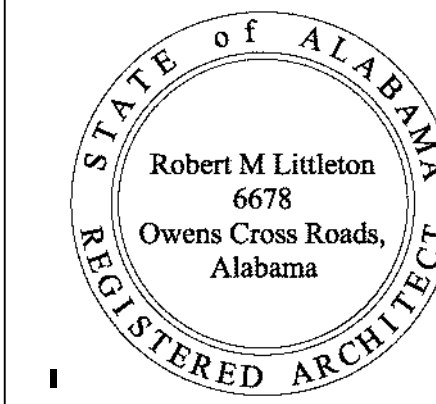
FINAL SUBMITTAL 06/10/2022

Addendum #1 08/03/2022

1

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CHECKED BY: Checker



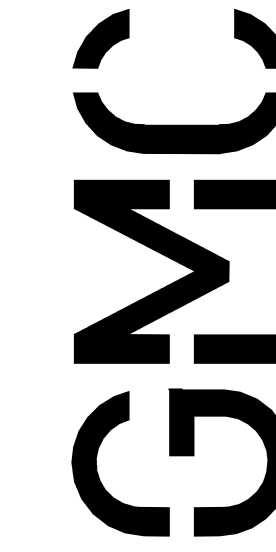
06/10/22  
*Robert M. Littleton*

117 Jefferson Street

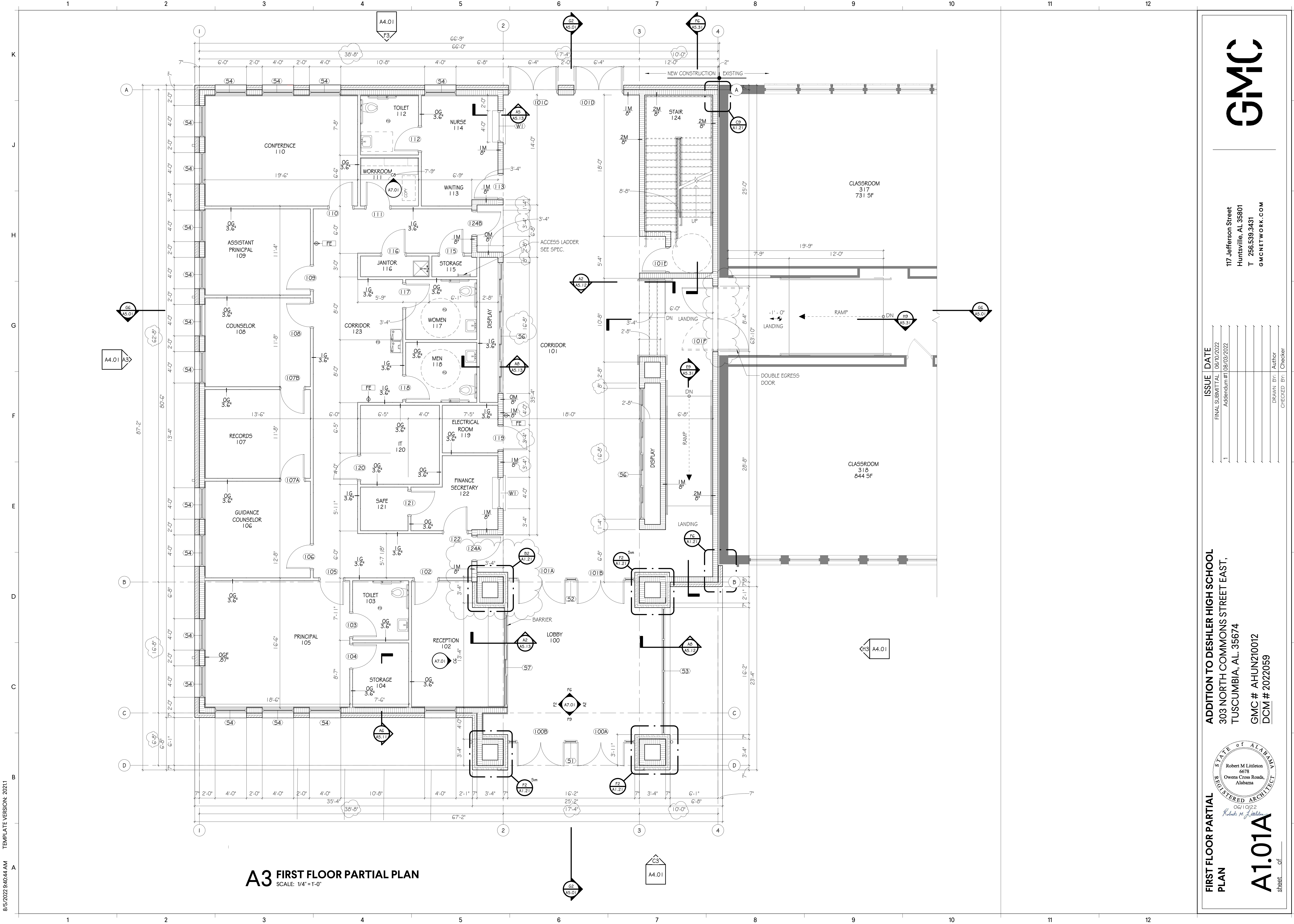
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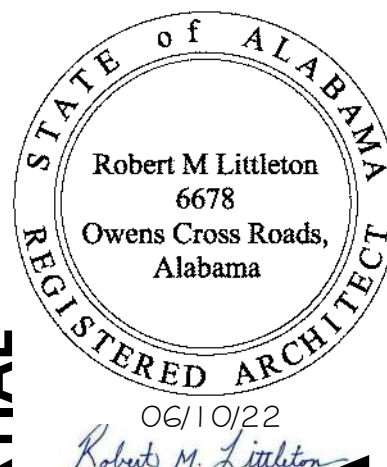




**A3 FIRST FLOOR PARTIAL PLAN**  
SCALE: 1/4"=1'-0"

**FIRST FLOOR PARTIAL  
PLAN**

**ADDITION TO DESHLER HIGH SCHOOL**  
303 NORTH COMMONS STREET EAST,  
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GMC # AHUN210012  
DCM # 2022059



**A1.01A**  
sheet of

**ISSUE DATE**

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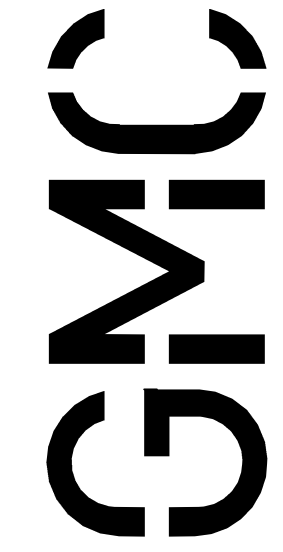
Addendum #1 08/03/2022

1

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CHECKED BY: Checker

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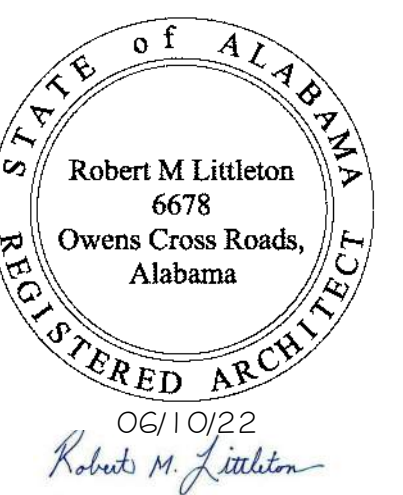




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	Addendum #1	08/03/2022
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## PLAN DE TAILL

A1.21





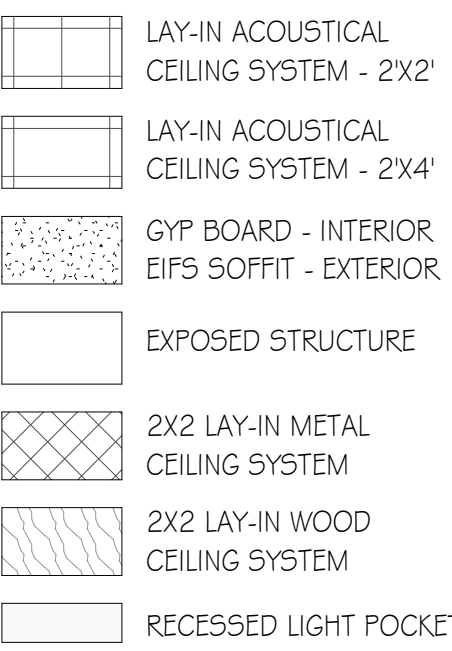
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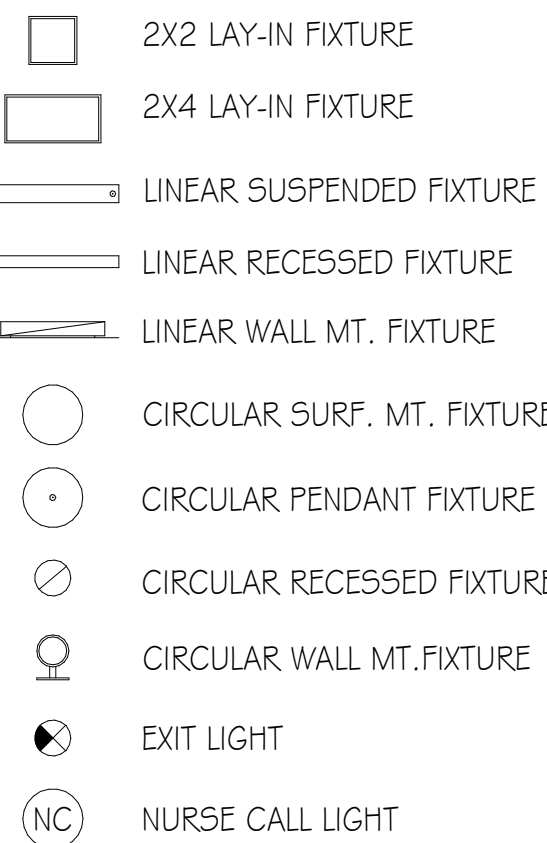
**RCP - FIRST FLOOR PARTIAL PLAN**  
SCALE: 1/4" = 1'-0"

## REFLECTED CEILING PLAN LEGEND

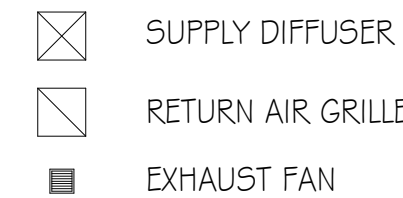
### CEILING FINISHES:



### LIGHTING:



### MECHANICAL:



## REFLECTED CEILING PLAN NOTES

1. CEILING HEIGHTS SHALL BE AS NOTED ON REFLECTED CEILING PLANS.
2. WHEREVER POSSIBLE NO CEILING TILE SHOULD BE LESS THAN 6" IN ANY DIRECTION.
3. SEE ELECTRICAL FOR ALL LIGHT FIXTURE TYPES AND SIZES.
4. SEE MECHANICAL FOR ALL DIFFUSER TYPES AND SIZES.
5. SEE INTERIOR ELEVATIONS FOR WALL MOUNTED LIGHT FIXTURE HEIGHT AND LOCATIONS.
6. COORDINATE LOCATIONS OF ALL LIGHTS, DIFFUSERS, AND DEVICES BETWEEN THIS RCP AND MECHANICAL, FIRE PROTECTION, AND ELECTRICAL. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND BEFORE PROCEEDING.
7. WHERE EXIT SIGNS ARE LOCATED ABOVE DOORWAYS, CENTER FIXTURE OVER DOOR BUT MAINTAIN MINIMUM OVERHEAD CLEARANCE.
8. ALL SPRINKLER HEADS IN ACOUSTIC CEILINGS SHALL BE CENTERED IN CEILING TILE.
9. ALL BULKHEADS TO BE 4" BELOW ADJACENT ACT CEILING UNLESS NOTED OTHERWISE.

## CEILING FINISH LEGEND

NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG CEILINGS STYLE: FINE FIGURED SQUARE LAY-IN #1831 COLOR: WHITE SIZE: 24" X 24" X 5/8" SUSPENSION SYSTEM: PRELUDE ML 15/16" EXPOSED TEE COLOR: WHITE
ACT-2	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: USG STYLE: SHEETROCK 3260 COLOR: WHITE SIZE: 24" X 24" X 1/2" SUSPENSION SYSTEM: UEG DX/DXL
GYP-1	GYP BOARD CEILING	PAINTED GYP BOARD CEILING COLOR: PNT-XXX (U.N.O. ON RCP)
GYP-2	GYP BOARD CEILING	TYPE X GYP BOARD CEILING - 1 HOUR FIRE RATED COLOR: PNT-XXX (U.N.O. ON RCP)
MCB-1	MOISTURE RESISTANT GYP BOARD CEILING	PAINTED GYP BOARD CEILING - MOISTURE RESISTANT COLOR: PNT-XXX (U.N.O. ON RCP)
EXP-1	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - WITH NO FINISH
EXP-2	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - WITH FINISH. PAINT ALL EXPOSED ELEMENTS COLOR: XXX

## ISSUE DATE

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Addendum #1 08/03/2022

1

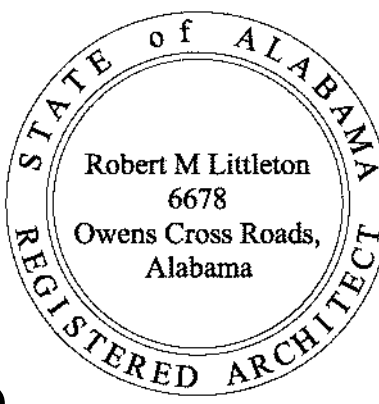
Author

Checker

**ADDITION TO DESHLER HIGH SCHOOL**  
303 NORTH COMMONS STREET EAST,  
TUSCUMBIA, AL. 35674

GMC # AHUN210012

DCM # 2022059



REFLECTED CEILING

PLAN

**A2.01**  
sheet of

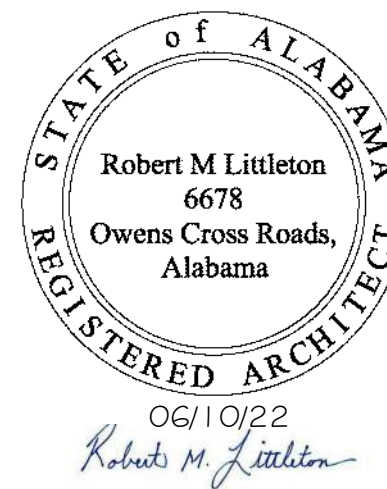




	ISSUE	DATE
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1.	Addendum #1	08/03/2022
	DRAWN BY:	Author

**ADDITION TO DESHLER HIGH SCHOOL**  
303 NORTH COMMONS STREET EAST,  
TUSCUMBIA, AL. 35674

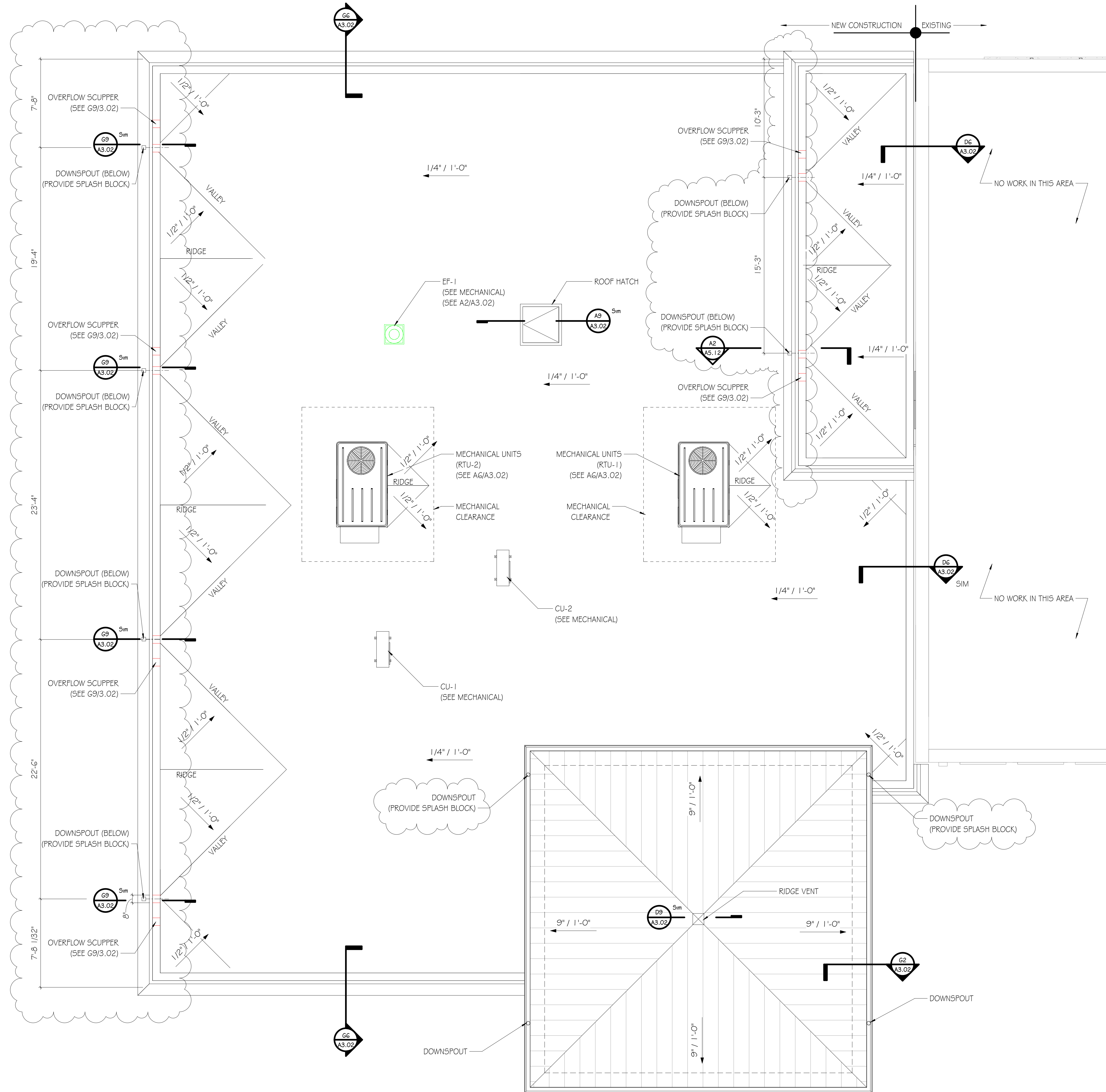
GMC # AHUN210012  
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## ROOF PLAN

## A3.01

sheet of



**ROOF PLAN**  
SCALE: 1/4" = 1'-0"



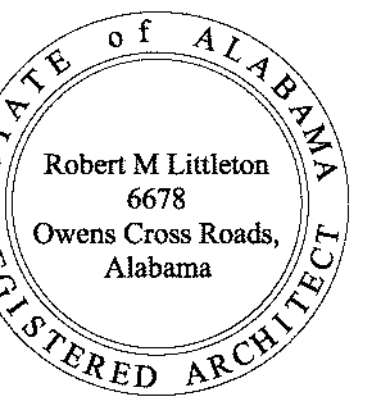




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	Addendum #1	08/03/2022
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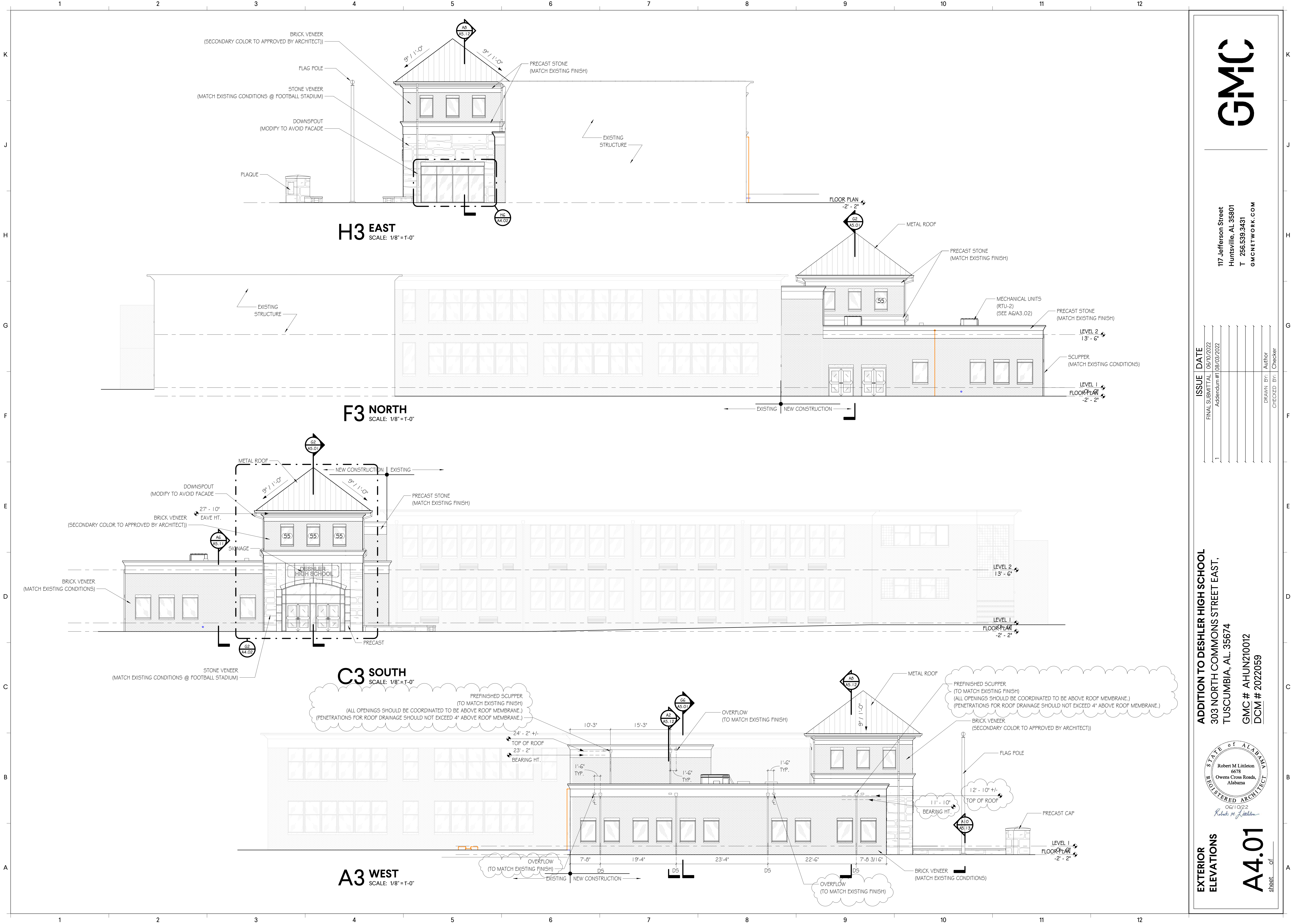
303 NORTH COMMONS STREET EAST,  
TUSCUMBIA, AL. 35674

GMC # AHUN210012  
DCM # 2022059



## EXTERIOR ELEVATIONS

A4.01  
sheet \_\_\_ of \_\_\_



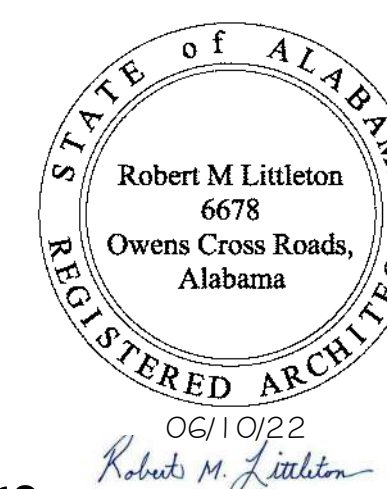




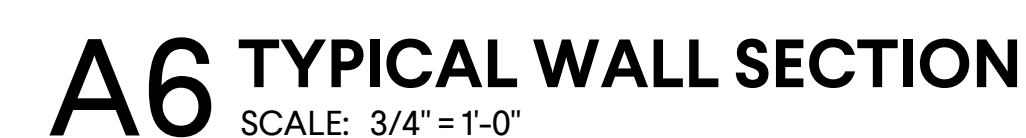


	ISSUE	DATE
	FINAL SUBMITTAL	06/10/2022
1	Addendum #1	08/03/2022
	DRAWN BY:	Author

**ADDITION TO DESHLER HIGH SCHOOL**  
**303 NORTH COMMONS STREET EAST,**  
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**GGMC # AHUN210012**  
**DCM # 2022059**



# A5.11

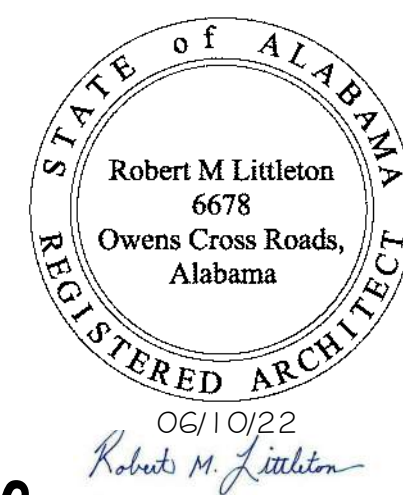




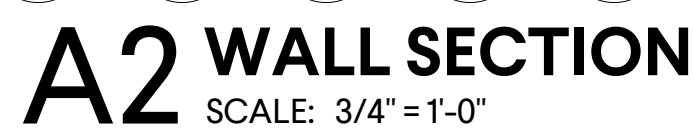
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1.	Addendum #1	08/03/2022
	DRAWN BY:	Author

**ADDITION TO DESHLER HIGH SCHOOL**  
303 NORTH COMMONS STREET EAST,  
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GMC # AHUN210012  
DCM # 2022059

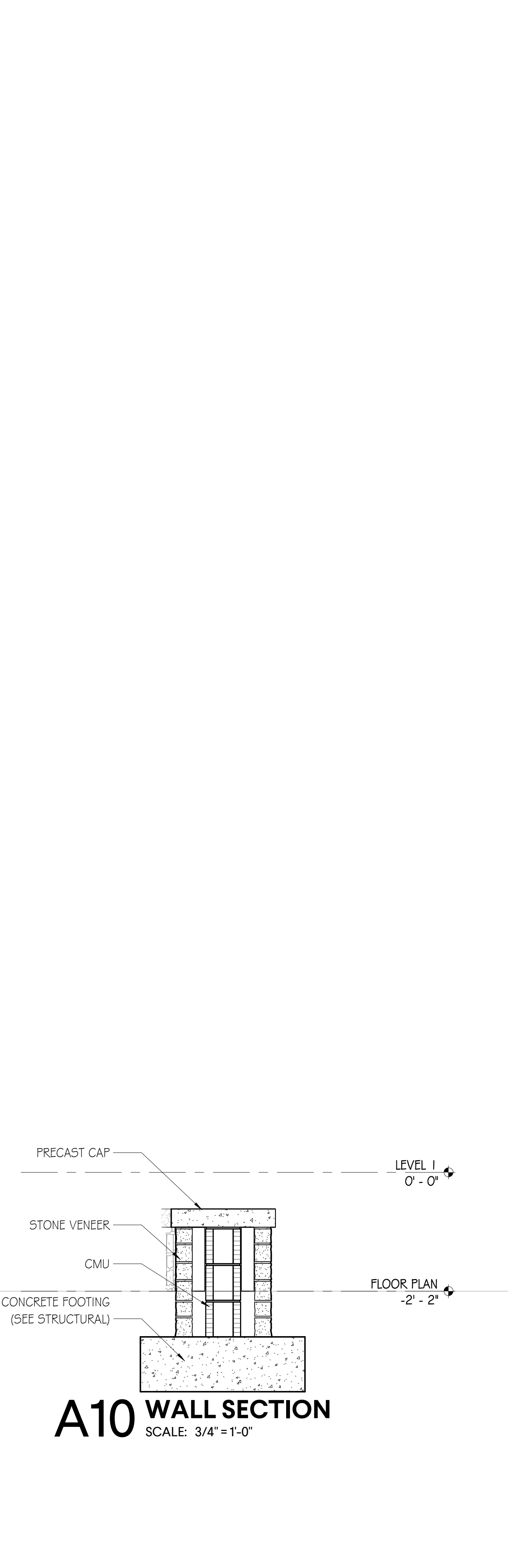
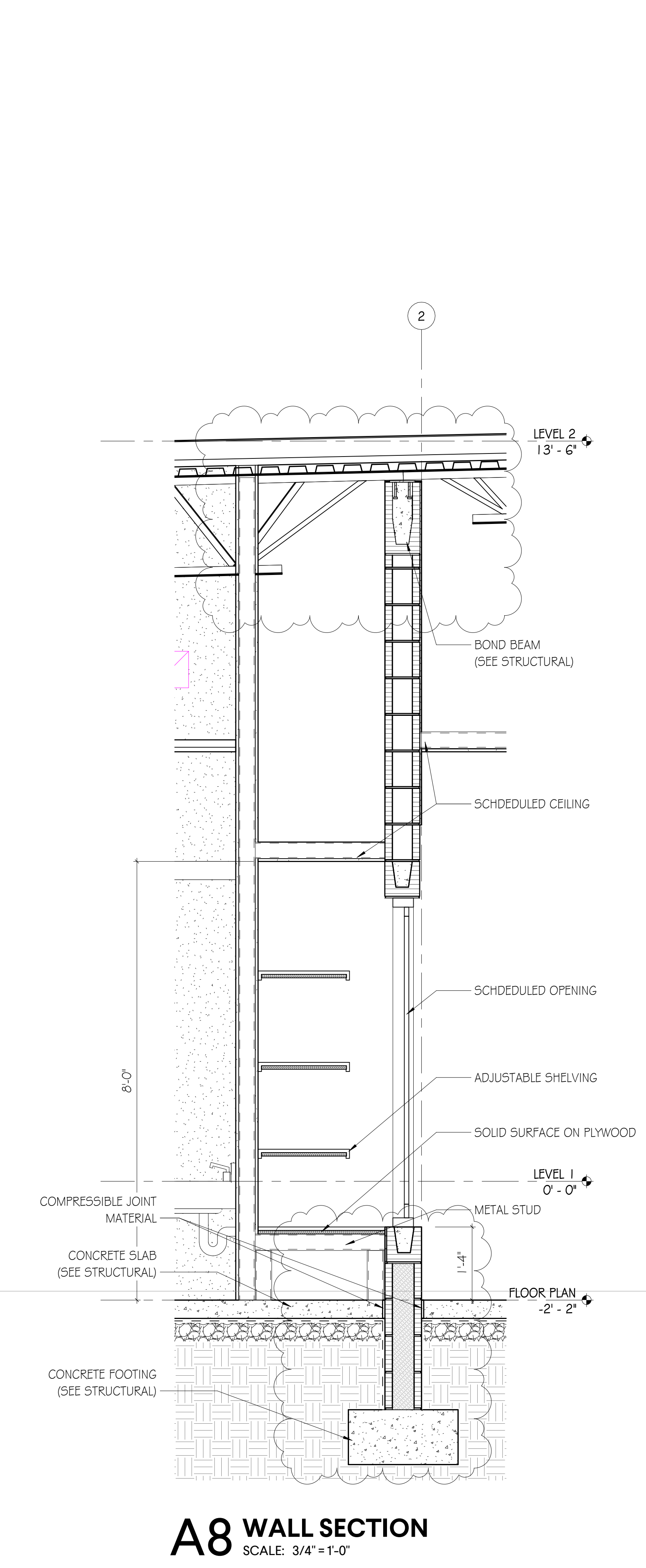
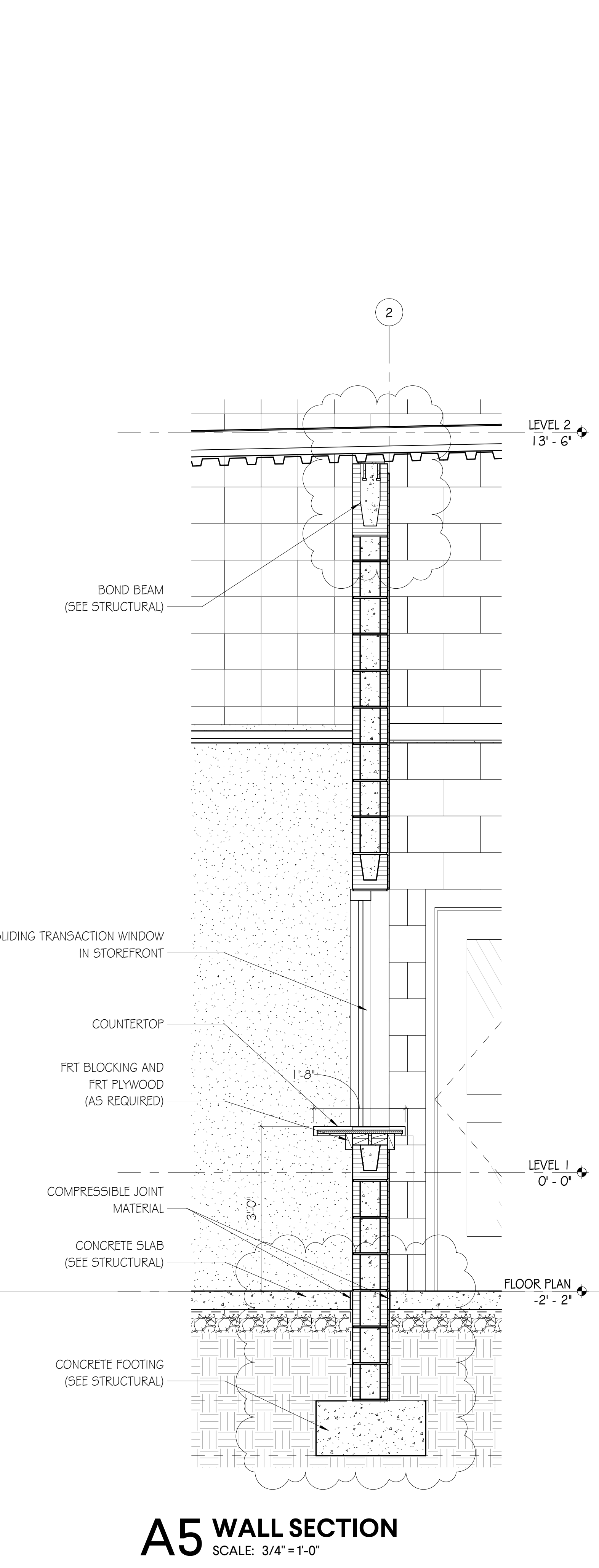
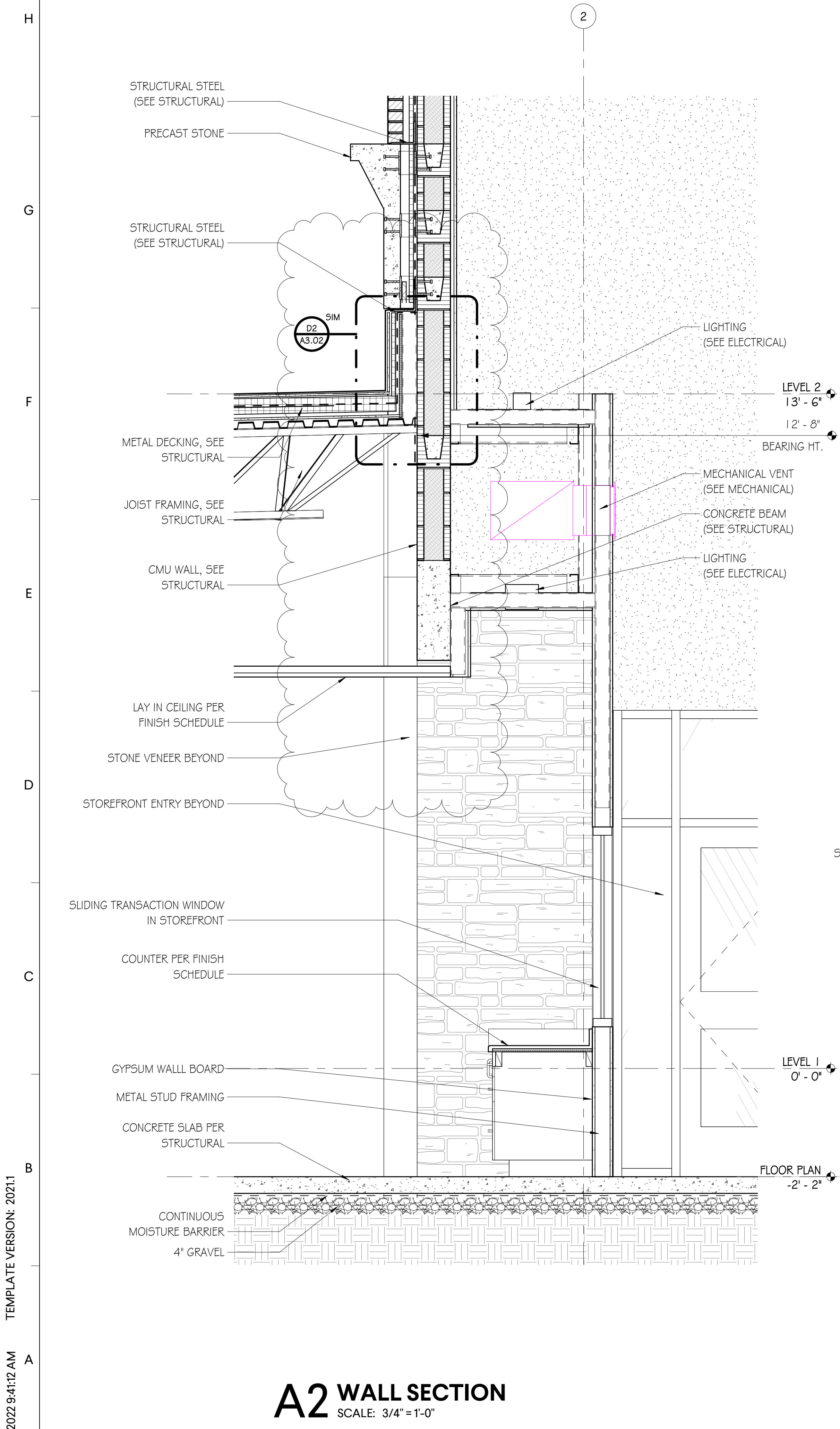


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WALL SECTIONS

ADDITION TO DESHLER HIGH SCHOOL

303 NORTH COMMONS STREET EAST,  
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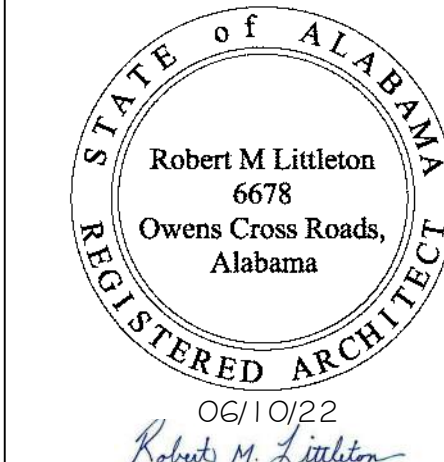
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A5.13  
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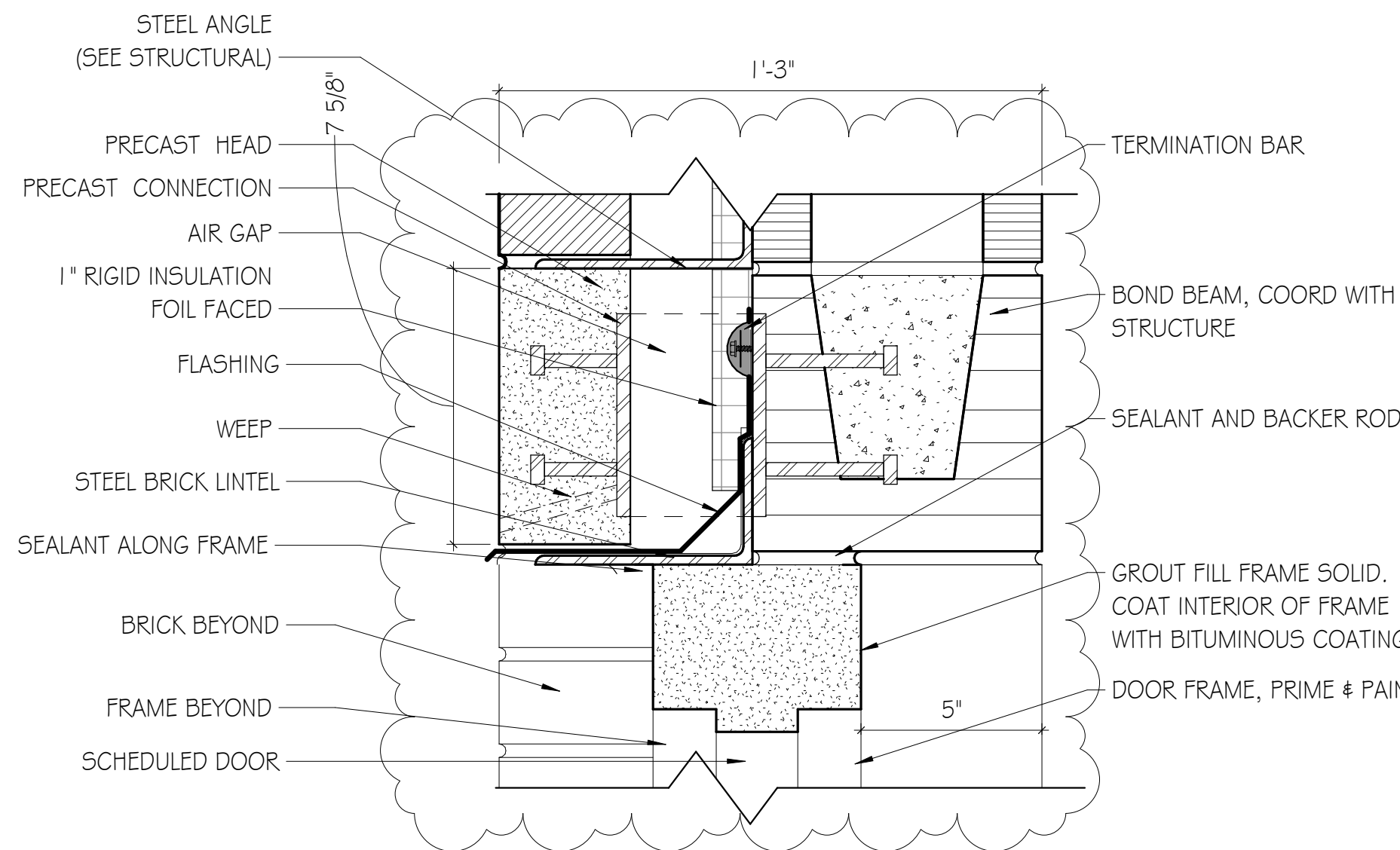
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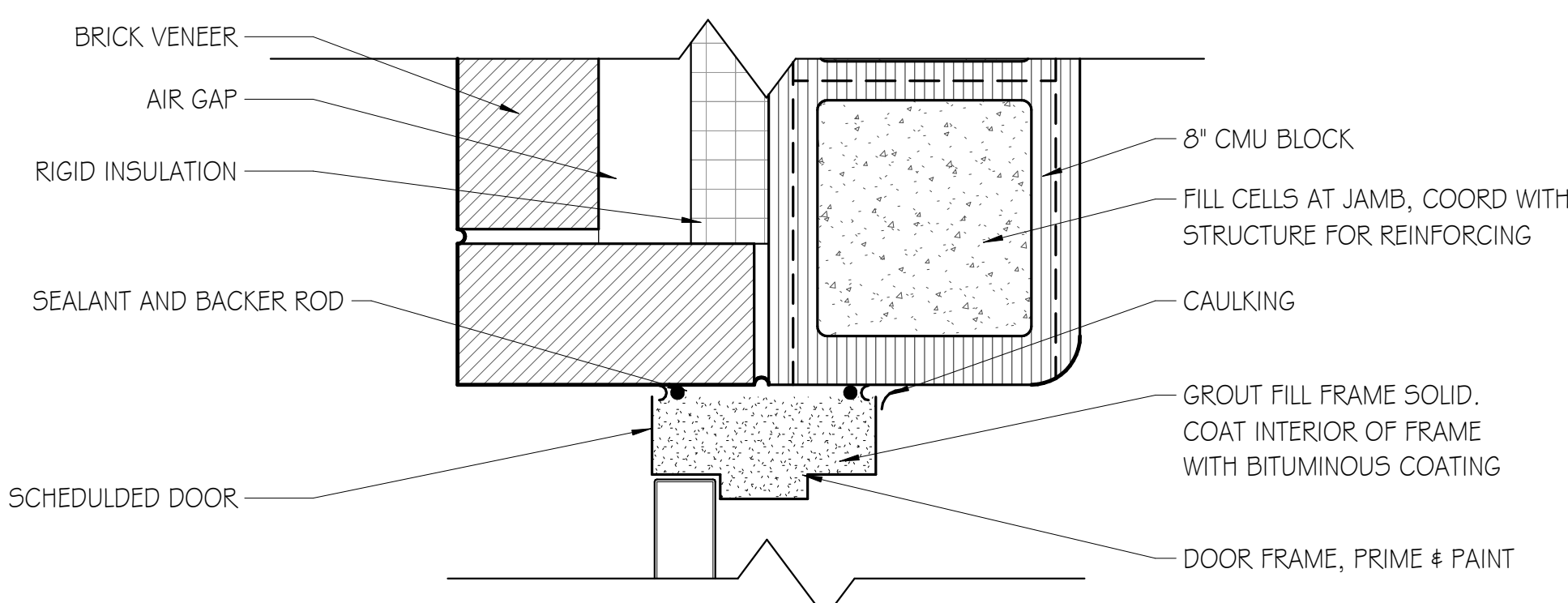




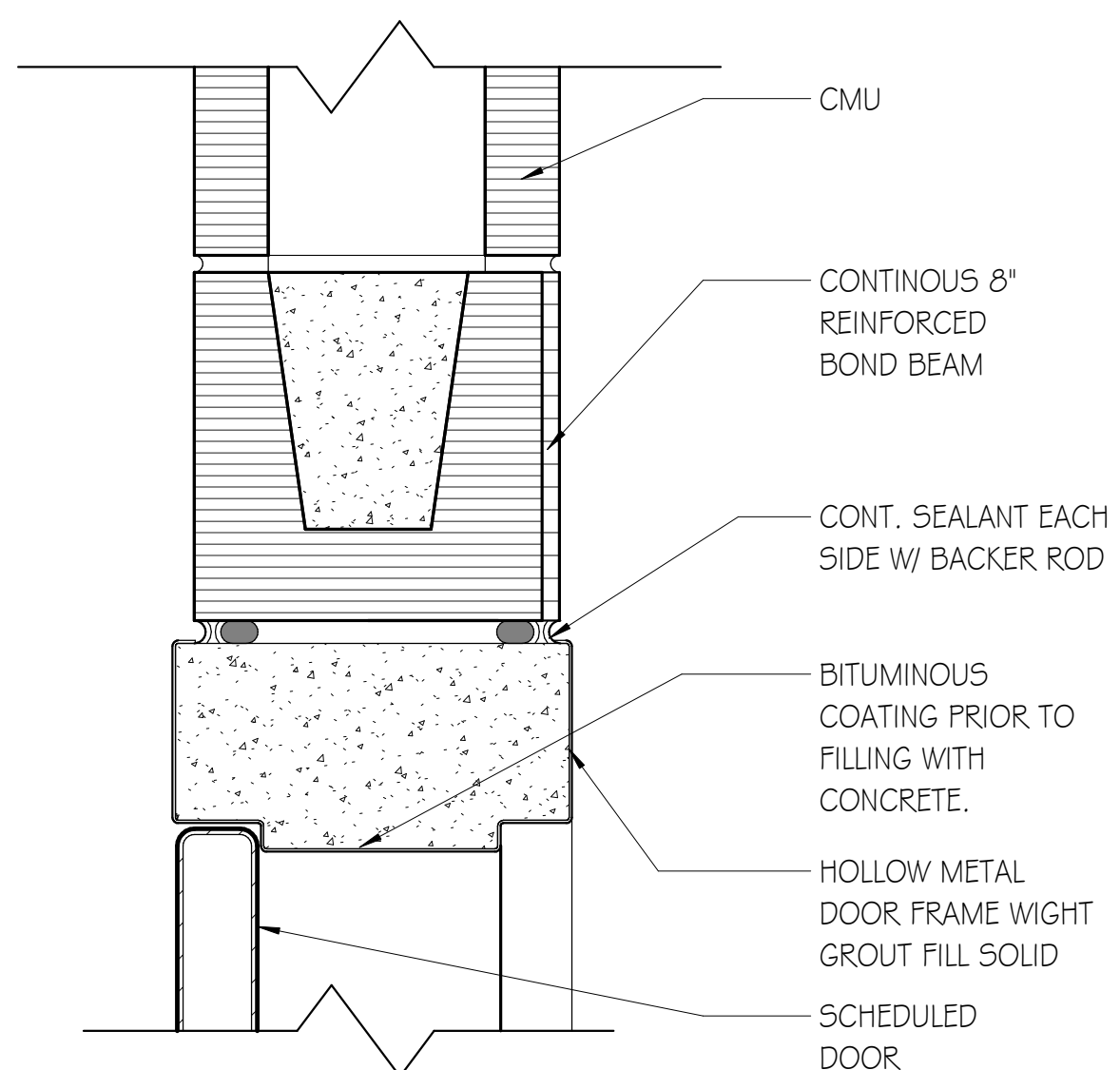
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J		100A	LOBBY	6'-0"	7'-0"	13/4"	FG2	HM		SF	HM				X				
		100B	LOBBY	6'-0"	7'-0"	13/4"	FG2	HM		SF	HM				X				
		101A	CORRIDOR	6'-0"	7'-0"	13/4"	FG2	HM		SF	HM								
		101B	CORRIDOR	6'-0"	7'-0"	13/4"	FG2	HM		SF	HM								
		101C	CORRIDOR	6'-0"	7'-0"	13/4"	FG2	HM	G1						X	H7/A6.01	F7/A6.01		
		101D	CORRIDOR	6'-0"	7'-0"	13/4"	FG2	HM	G1	F1	HM				X	H7/A6.01	F7/A6.01		
		101E	STAIR	3'-0"	7'-0"	13/4"	F	WD			HM					C2/A6.01	C3/A6.01		
		101F	CORRIDOR	8'-0"	7'-0"	13/4"	N5				HM			X				120m	01
		102	RECEPTION	3'-0"	7'-0"	13/4"	F	WD		F1	HM								90 MIN
		103	TOILET	3'-0"	7'-0"	13/4"	F	WD		F1	HM						C6/A6.01	C9/A6.01	
H		104	STORAGE	3'-0"	7'-0"	13/4"	F	WD		F1	HM						C6/A6.01	C9/A6.01	
		105	PRINCIPAL	3'-0"	7'-0"	13/4"	N5	WD	G1	F1	HM						C6/A6.01	C9/A6.01	90 MIN
		106	GUIDANCE COUNSELOR	3'-0"	7'-0"	13/4"	F	WD		F1	HM						C6/A6.01	C9/A6.01	90 MIN
		107A	RECORDS	3'-0"	7'-0"	13/4"	F	WD		F1	HM						C6/A6.01	C9/A6.01	
		107B	RECORDS	3'-0"	7'-0"	13/4"	F	WD		F1	HM						C6/A6.01	C9/A6.01	
		108	COUNSELOR	3'-0"	7'-0"	13/4"	F	WD		F1	HM						C6/A6.01	C9/A6.01	90 MIN
		109	ASSISTANT PRINCIPAL	3'-0"	7'-0"	13/4"	N5	WD	G1	F1	HM						C6/A6.01	C9/A6.01	90 MIN
		110	CONFERENCE	3'-0"	7'-0"	13/4"	N5	WD	G1	F1	HM						C6/A6.01	C9/A6.01	90 MIN
		111	WORKROOM	3'-0"	7'-0"	13/4"	N5	WD	G1	F1	HM						C6/A6.01	C9/A6.01	90 MIN
		112	TOILET	3'-0"	7'-0"	13/4"	F	WD		F1	HM						C6/A6.01	C9/A6.01	
G		113	WAITING	3'-0"	7'-0"	13/4"	F	WD		F1	HM						C2/A6.01	C3/A6.01	90 MIN
		115	CORRIDOR	3'-0"	7'-0"	13/4"	F	WD		F1	HM						C6/A6.01	C9/A6.01	90 MIN
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		117	WOMEN	3'-0"	7'-0"	13/4"	F	WD		F1	HM						C6/A6.01	C9/A6.01	90 MIN
		118	MEN	3'-0"	7'-0"	13/4"	F	WD		F1	HM						C6/A6.01	C9/A6.01	90 MIN
		119	ELECTRICAL ROOM	3'-0"	7'-0"	13/4"	F	WD		F1	HM						C2/A6.01	C3/A6.01	90 MIN
		120	IT	3'-0"	7'-0"	13/4"	F	WD		F1	HM						C6/A6.01	C9/A6.01	90 MIN
		121	FINANCE SECRETARY	3'-0"	7'-0"	13/4"	F	WD		F1	HM						C6/A6.01	C9/A6.01	
		122	FINANCE SECRETARY	3'-0"	7'-0"	13/4"	N5	WD	G1	F1	HM						C6/A6.01	C9/A6.01	90 MIN
		124A	CORRIDOR	3'-0"	7'-0"	13/4"	N5	WD	G1	F1	HM				X	C2/A6.01	C3/A6.01	90 MIN	
F		124B	CORRIDOR	3'-0"	7'-0"	13/4"	N5	WD	G1	F1	HM			X	X	C2/A6.01	C3/A6.01	90 MIN	
		125	STAIR	8'-0"	7'-0"	13/4"	N5				HM		X					120m	01



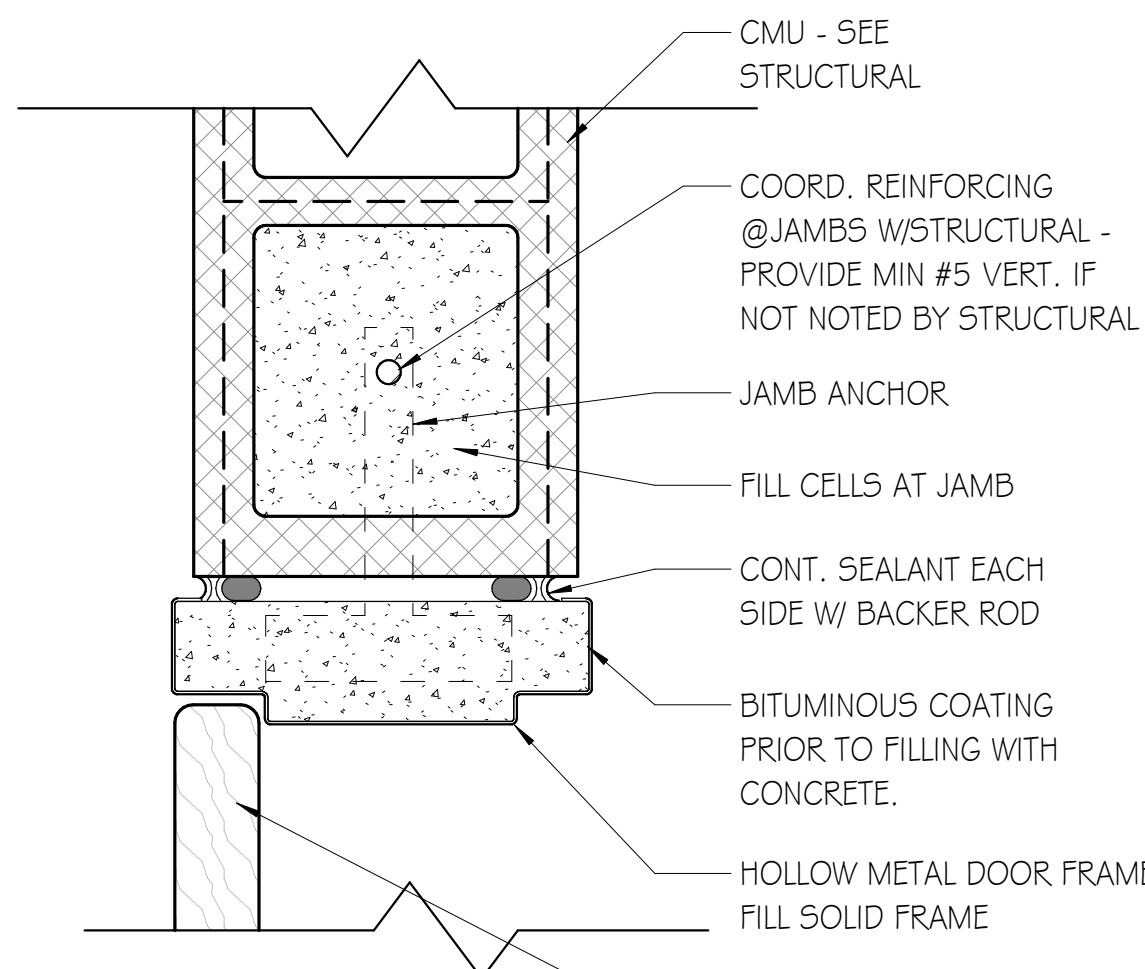
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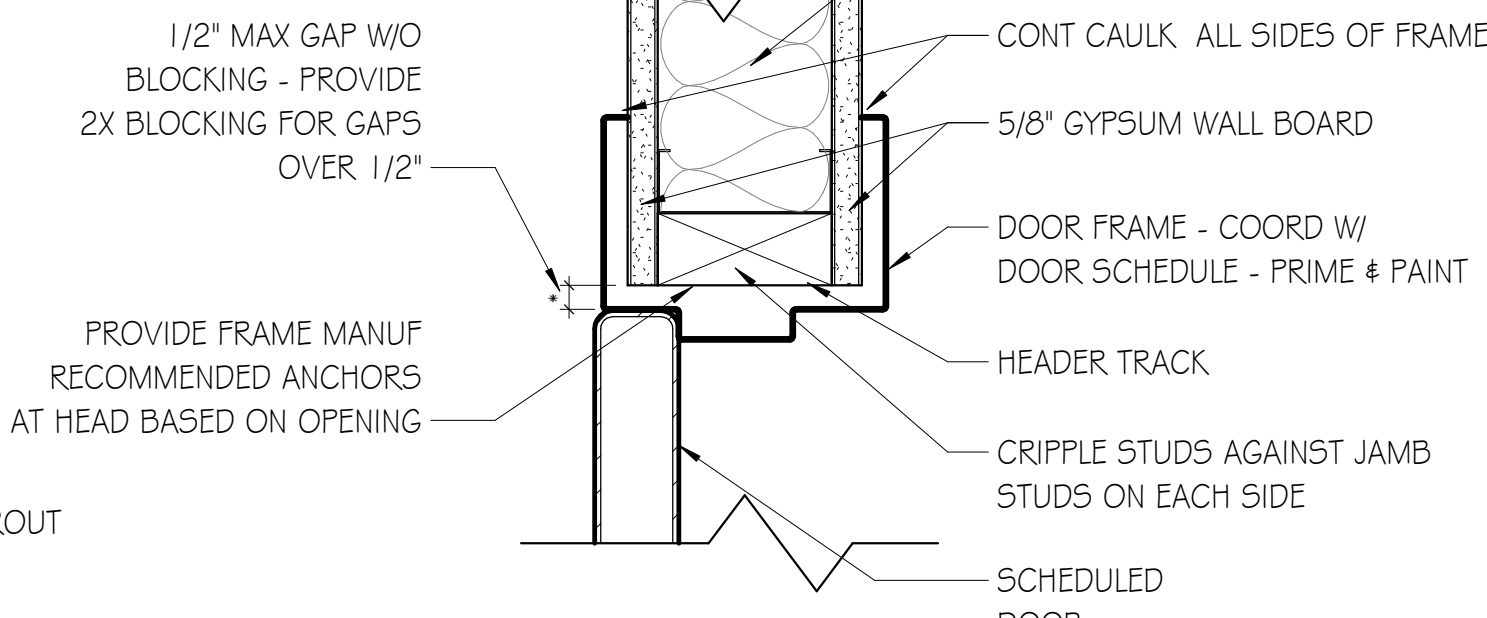
**F7 EXT. CMU JAMB**  
SCALE: 3" = 1'-0"



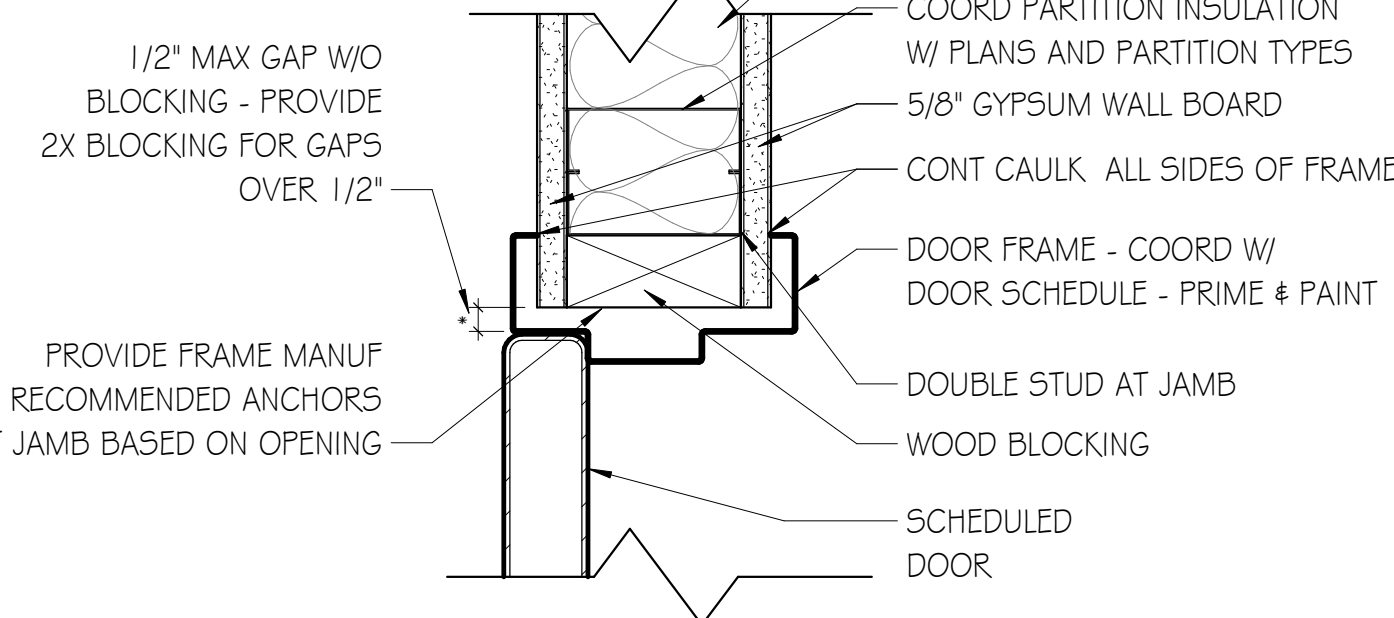
**C2 INT. CMU HEAD**  
SCALE: 3" = 1'-0"



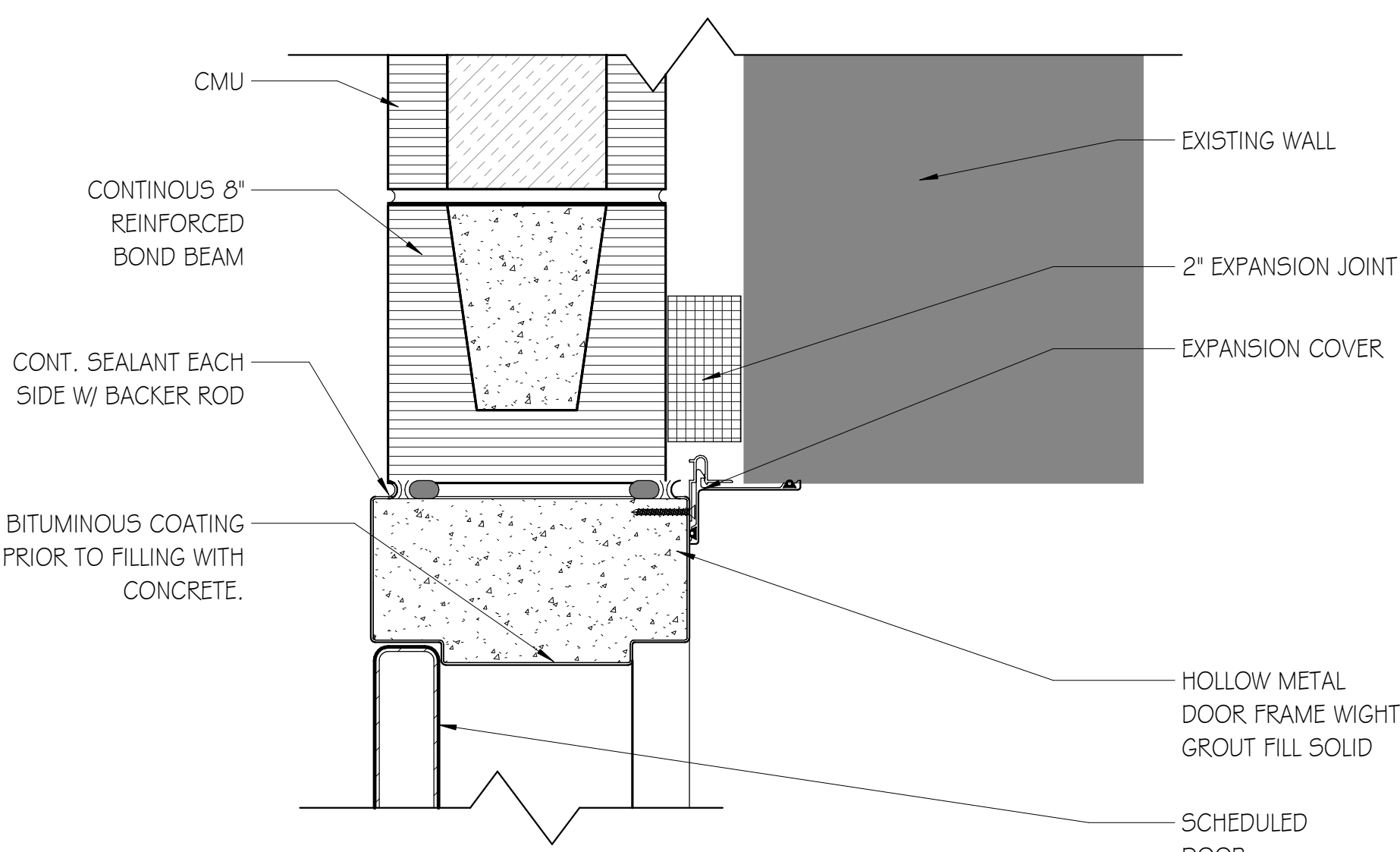
**C3 INT. CMU JAMB**  
SCALE: 3" = 1'-0"



**C6 INT. HM HEAD**  
SCALE: 3" = 1'-0"

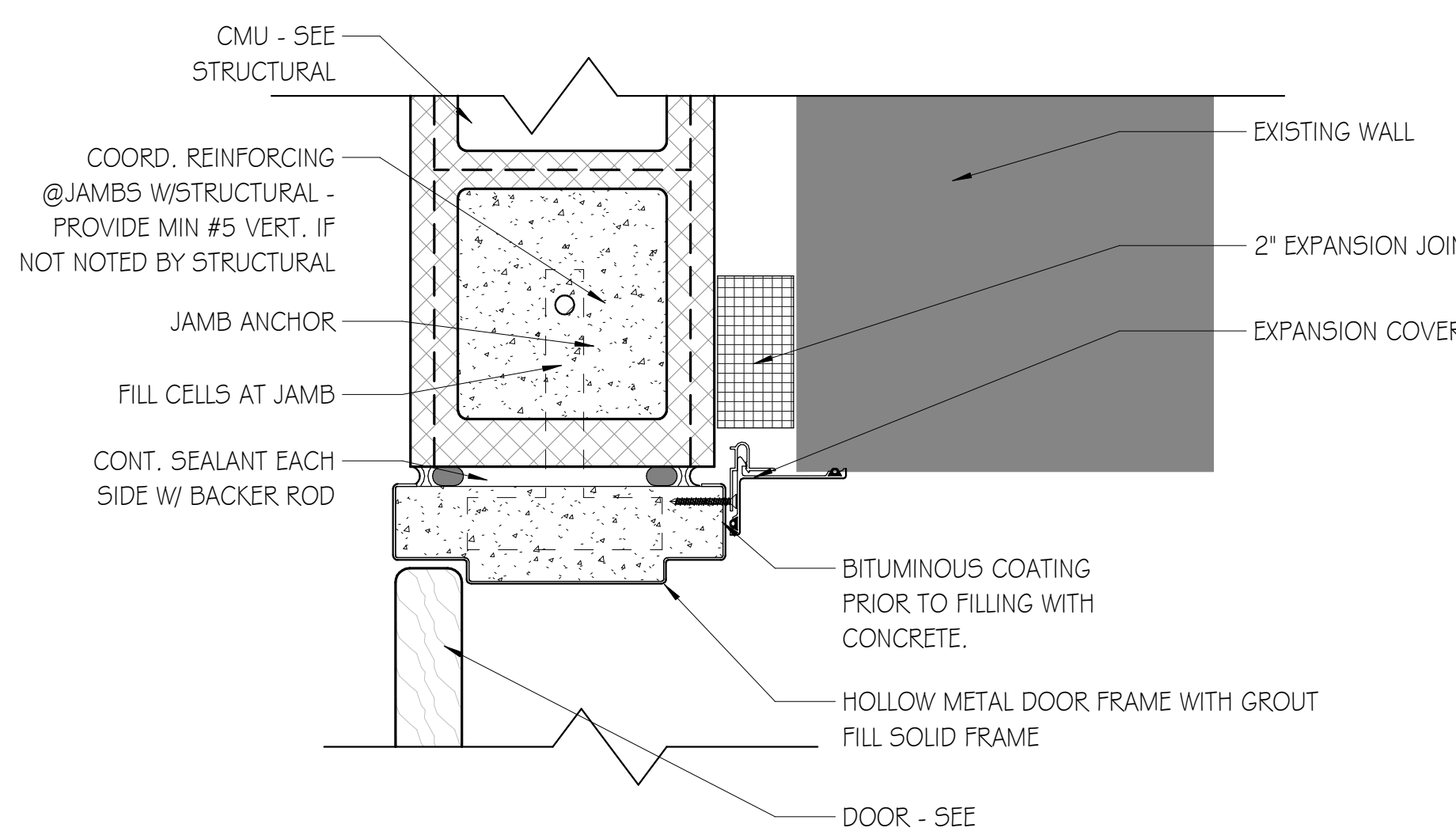


**C9 INT. HM JAMB**  
SCALE: 3" = 1'-0"



# A1 INT. CMU HEAD EXPAND

SCALE: 3" = 1'-0"



**A5 INT. CMU JAMB EXPAND**  
SCALE: 3" = 1'-0"

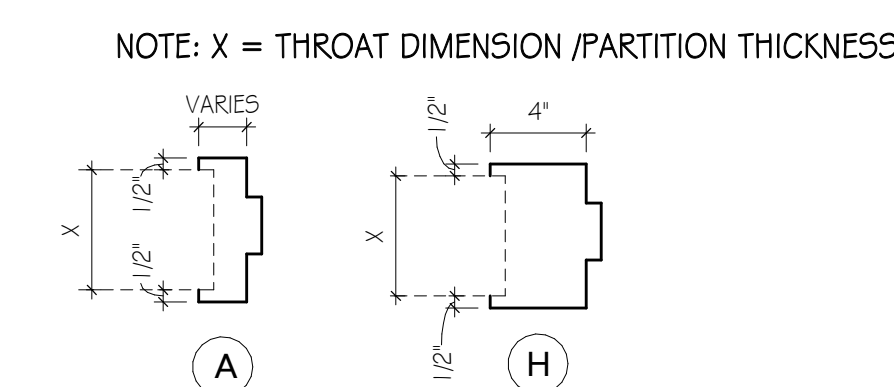
## DOOR COMMENTS LEGEND

- 01 MAGNETIC HOLD-OPEN DEVICES
- 02 AUTOMATIC DOOR OPERATOR, SEE SPECIFICATIONS
- 03 AUTOMATIC ENTRANCE DOORS, SEE GLAZING SCHEDULE FOR CONFIGURATION
- 04 ALUMINUM-FRAME ENTRANCE DOORS, SEE GLAZING SCHEDULE FOR CONFIGURATION
- 05 ALL-GLASS ENTRANCE DOORS, SEE GLAZING SCHEDULE FOR CONFIGURATION
- 06 ALUMINUM-FRAME IC/ICCU DOOR, SEE GLAZING SCHEDULE FOR CONFIGURATION
- 07 SLIDING IC/ICCU DOOR, SEE SPECIFICATIONS
- 08 OVERHEAD COILING DOOR, SEE SPECIFICATIONS
- 09 OVERHEAD COILING GRILLE, SEE SPECIFICATIONS
- 10 SOUND CONTROL DOOR, SEE SPECIFICATIONS
- 11 POCKET DOOR AND FRAME, SEE SPECIFICATIONS
- 12 LEAD-LINED DOOR AND FRAME, SEE SPECIFICATIONS: RADIATION PROTECTION
- 13 SOUND RATED ASSEMBLY. MATCH RATING OF PARTITION IN WHICH LOCATED
- 14 THERMAL RATED (INSULATED) ASSEMBLY
- 15 DOOR EDGE CONSTRUCTION: SEAMLESS
- 16 LEVEL 3 AND PHYSICAL PERFORMANCE LEVEL A (EXTRA HEAVY-DUTY)
- 17 EGRESS - EXIT ONLY DOOR
- 18 EXISTING DOOR AND FRAME TO REMAIN
- 19 EXISTING FRAME TO REMAIN
- 20 INSTALL NEW DOOR HARDWARE AS SCHED. MODIFY EXIST. DOOR/FRAME AS REQUIRED
- 21 MECHANICAL KEYPAD LOCK, SEE SPECIFICATIONS
- 22 STORM SHELTER DOOR

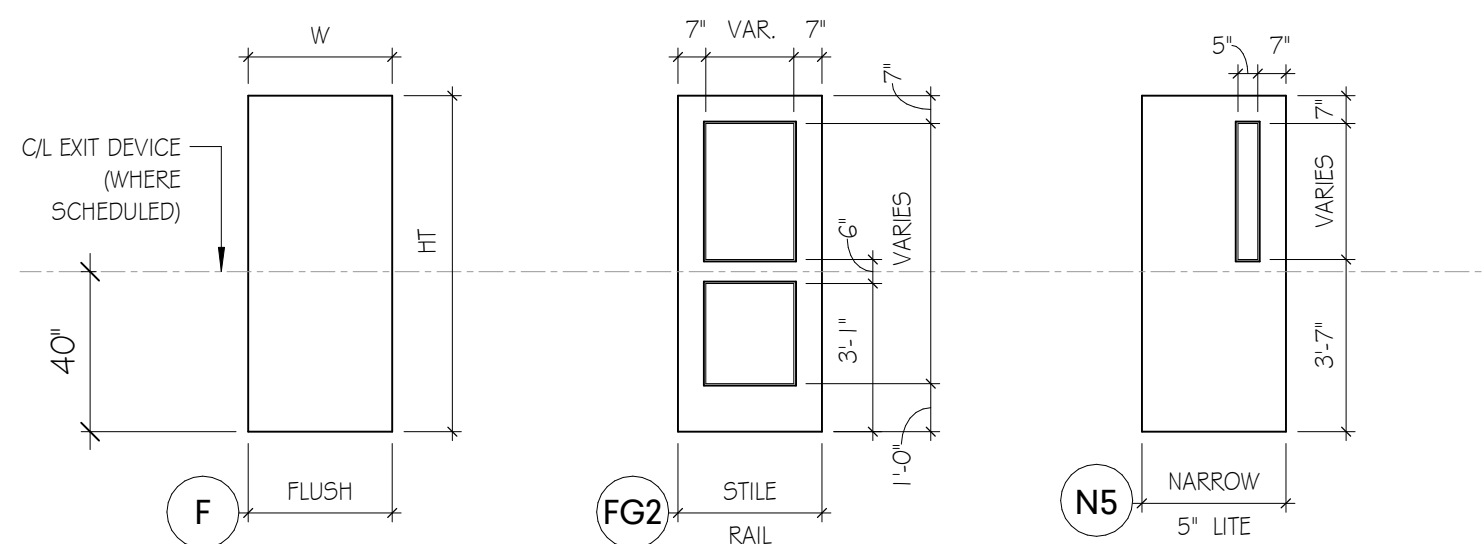
## DOOR GENERAL NOTES

- 1) GENERAL:**
- A. DOOR AND/OR FRAME CONSTRUCTION SHALL BE AS SPECIFIED UNLESS NOTED OTHERWISE.**
- B. ALL TYPES OF DOORS ARE REPRESENTED IN THIS SCHEDULE FOR CONVENIENCE. WHERE MORE DESCRIPTIVE INFORMATION MAY BE LOCATED ELSEWHERE, NOTATION IS MADE IN THE NUMBERED NOTES COLUMN. (E.G. ALUMINUM FRAMED ENTRANCE DOORS. SEE GLAZING SCHEDULE FOR CONFIGURATION.)**
- 2) MATERIAL AND FINISH:**
- A. MATERIALS AND FINISHES INDICATED ON THE SCHEDULE ARE AS FOLLOWS:**
- |            |                                     |
|------------|-------------------------------------|
| HM         | HOLLOW METAL                        |
| ST         | STEEL                               |
| STS        | STEEL / STAINLESS OR STAINLESS CLAD |
| WD         | SOLID CORE WOOD                     |
| WD/PL WOOD | PLASTIC LAMINATE FACED              |
| WD/IR      | WOOD / IMPACT-RESISTANT VINYL-FACED |
| AL         | ALUMINUM                            |
| GL         | GLAZING GLASS                       |
| PREFIN     | PREFINISHED (OR FACTORY FINISHED)   |
| PNT        | PAINTED                             |
| STN        | STAINED                             |
- 3) GLASS:**
- A. GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTIONS 088000 GLAZING & 134300 RADIATION PROTECTION):**
- MONOLITHIC:**
- |    |          |  |
|----|----------|--|
| G1 | 6.0mm    | CLEAR, TEMPERED  |
| G2 | 7.5mm    | CLEAR, LAMINATED, INTERLAYER COLOR: CLEAR                |
| G3 | 7.5mm    | CLEAR, LAMINATED, INTERLAYER COLOR: ARCTIC SNOW          |
| G4 | 8.0mm    | CLEAR, FIRE-RATED CERAMIC GLAZING, MATCH RATING OF OPIG. |
| G5 | 4.0mm(2) | ULTRACLEAR, TEMPERED, 2 LITES + INTEGRAL BINDS           |
| G6 | 12.5mm   | SAFETY, LEAD BORATE GLASS, SEE SPECIFICATIONS            |
| G7 | 12.5mm   | SAFETY, LASER RATED, SEE SPECIFICATIONS                  |
- INSULATING:**
- |     |        |                           |
|-----|--------|---------------------------|
| IG1 | 1 INCH | INSULATING, VISION LITE   |
| IG2 | 1 INCH | INSULATING, SPANDREL LITE |
- 4) LOUVERS:**
- A. DOOR LOUVER TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS:**
- |    |  |
|----|--|
| L1 | A" X B" B", SIGHT PROOF, WEATHER RESISTANT, WITH INSECT SCREEN |
| L2 | A" X B" B", LIGHT PROOF  |
- 5) DOOR HARDWARE:**
- A. HARDWARE SET NUMBER REFERS TO HARDWARE SETS SPECIFIED IN SPECIFICATION SECTION 087100 "DOOR HARDWARE".**

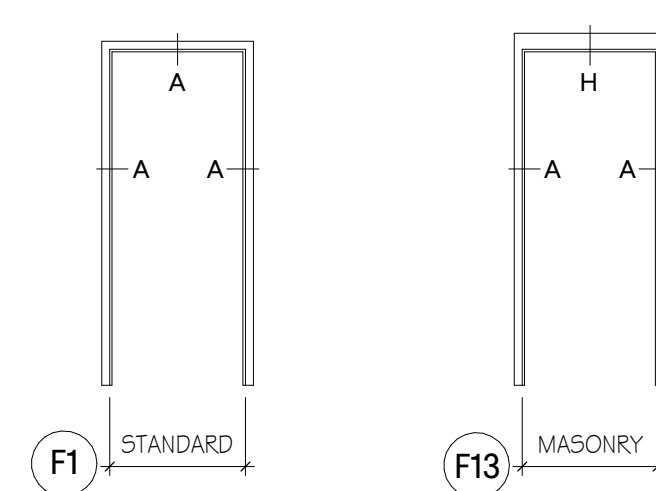
## FRAME PROFILES



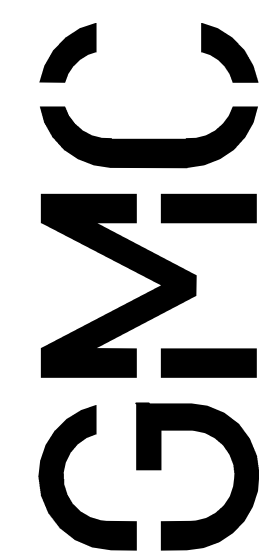
## DOOR TYPES - WOOD + HOLLOW METAL SWING DOORS



## FRAME TYPES -HOLLOW METAL



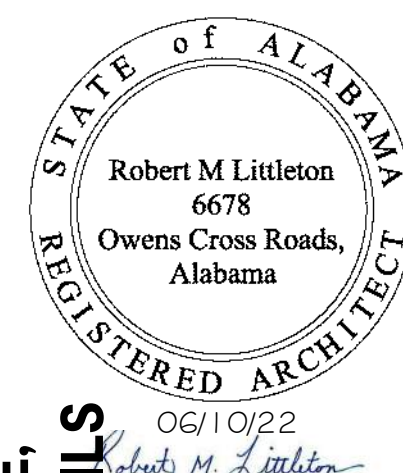
**NOTE: ALL FRAMES TO BE FACE-WELDED EXCEPT WHERE NOTED "KD"**



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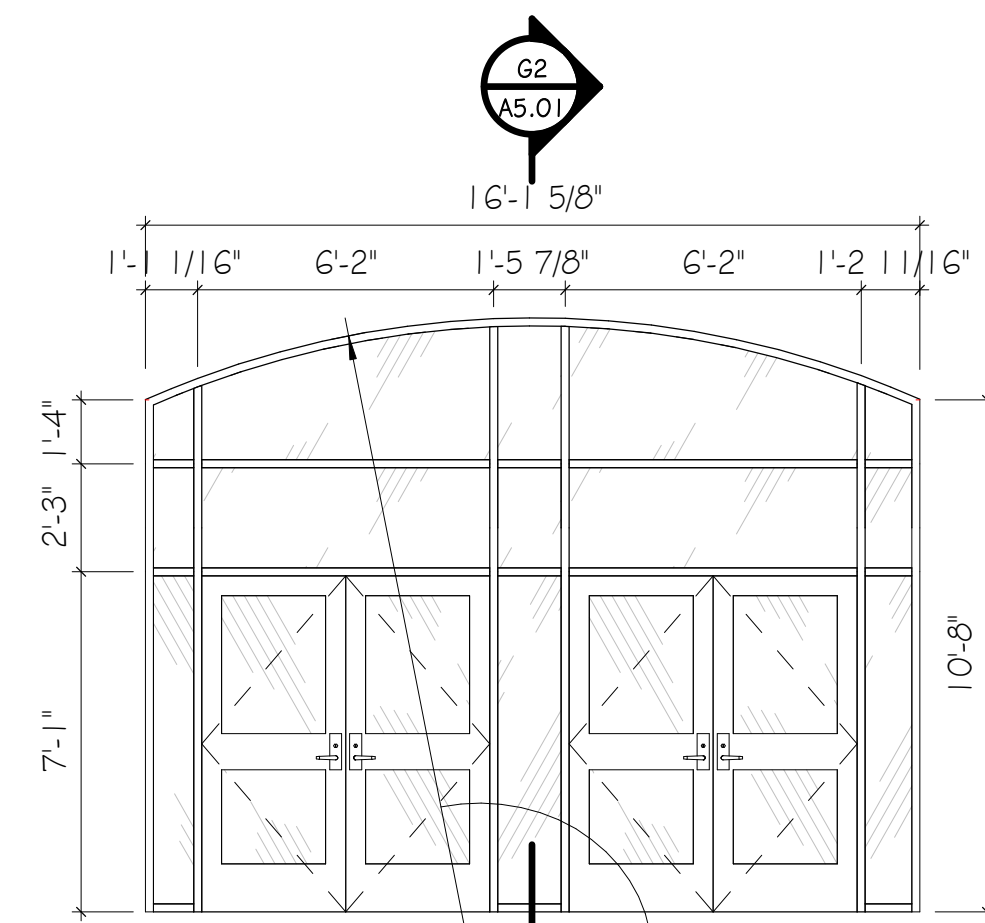
	ISSUE	DATE
	FINAL SUBMITTAL	06/10/2022
1	Addendum #1	08/03/2022
	DRAWN BY:	Author
	CHECKED BY:	Checker

**ADDITION TO DESHLER HIGH SCHOOL**  
3033 NORTH COMMONS STREET EAST,  
TUSCUMBIA, AL. 35674  
GMC # AHUN210012  
DCM # 2022059

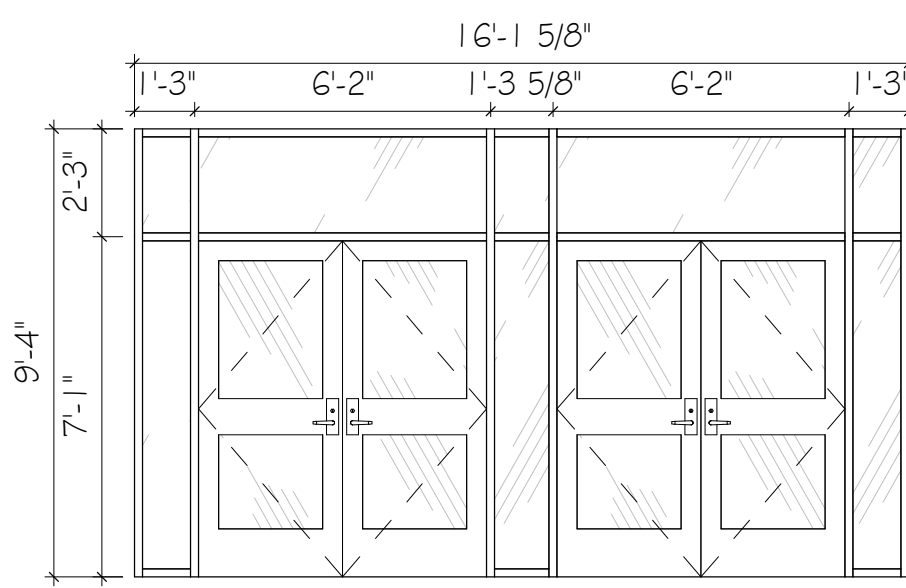


DOOR SCHEDULE,  
LEGEND, & DETAILS

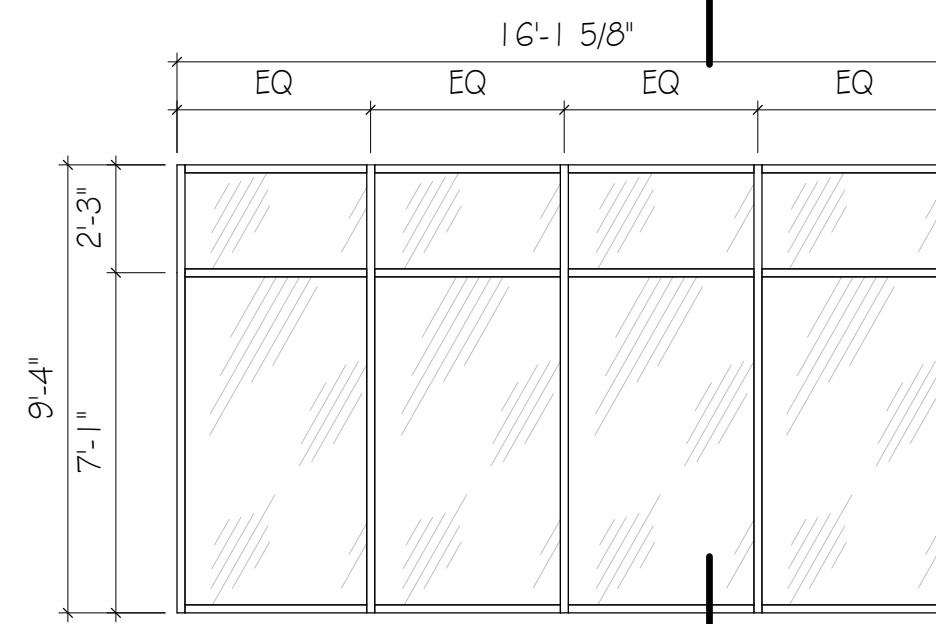




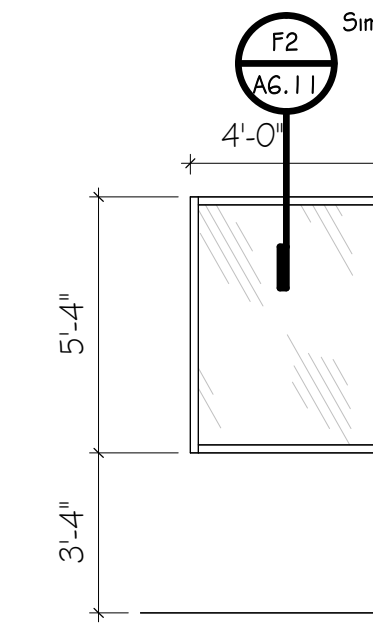
**S1**  
SCALE: 1/4" = 1'-0"  
FIRE RATING: 90 MIN.



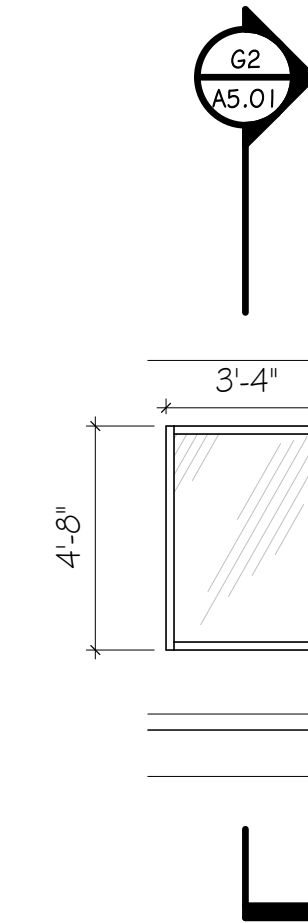
**S2**  
SCALE: 1/4" = 1'-0"  
FIRE RATING: 90 MIN



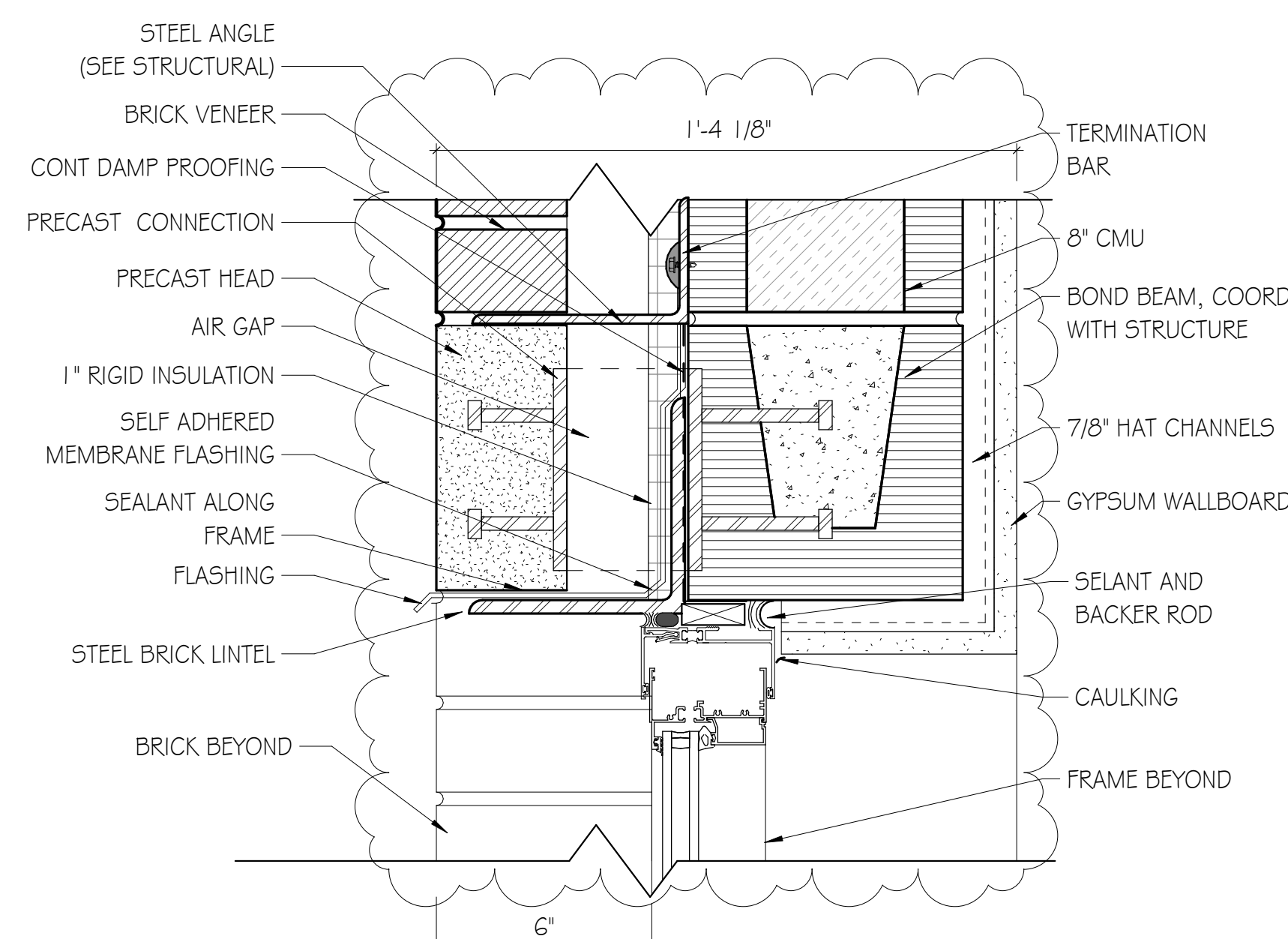
**S3**  
SCALE: 1/4" = 1'-0"  
FIRE RATING: 90 MIN.



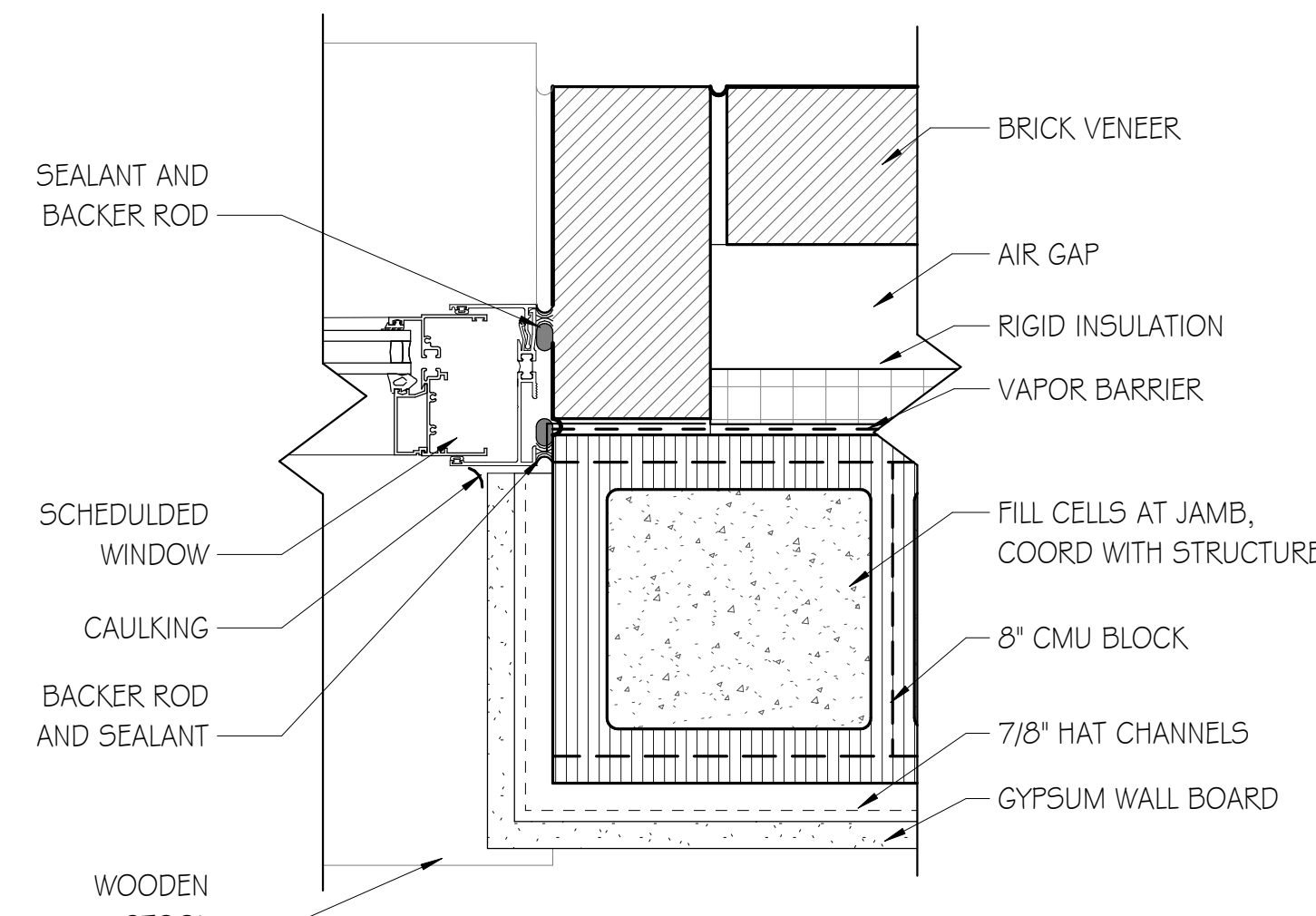
**S4**  
SCALE: 1/4" = 1'-0"



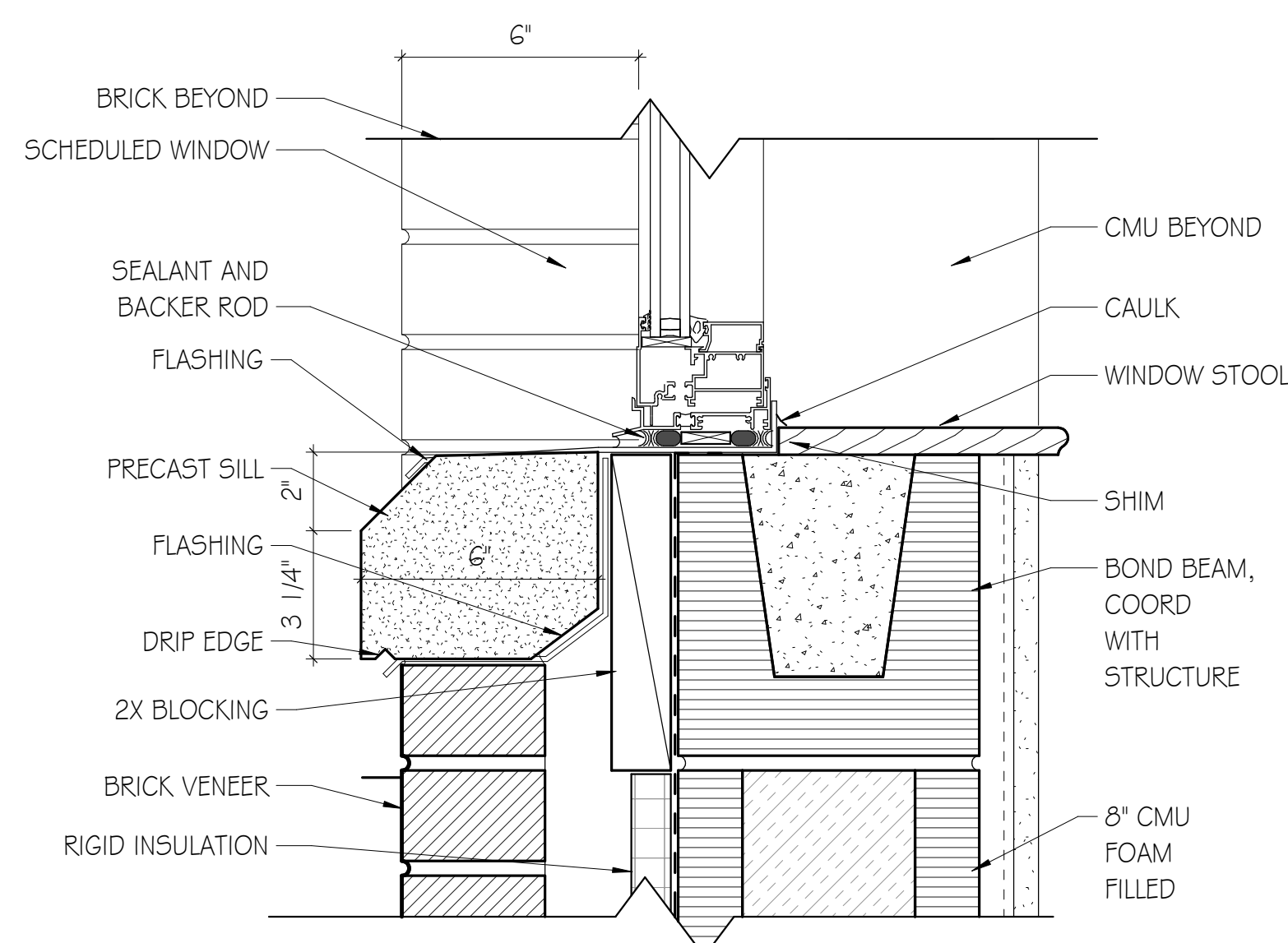
**S5**  
SCALE: 1/4" = 1'-0"  
FIRE RATING: 90 MIN.  
SEE G2/A4.02 FOR SILL HEIGHT



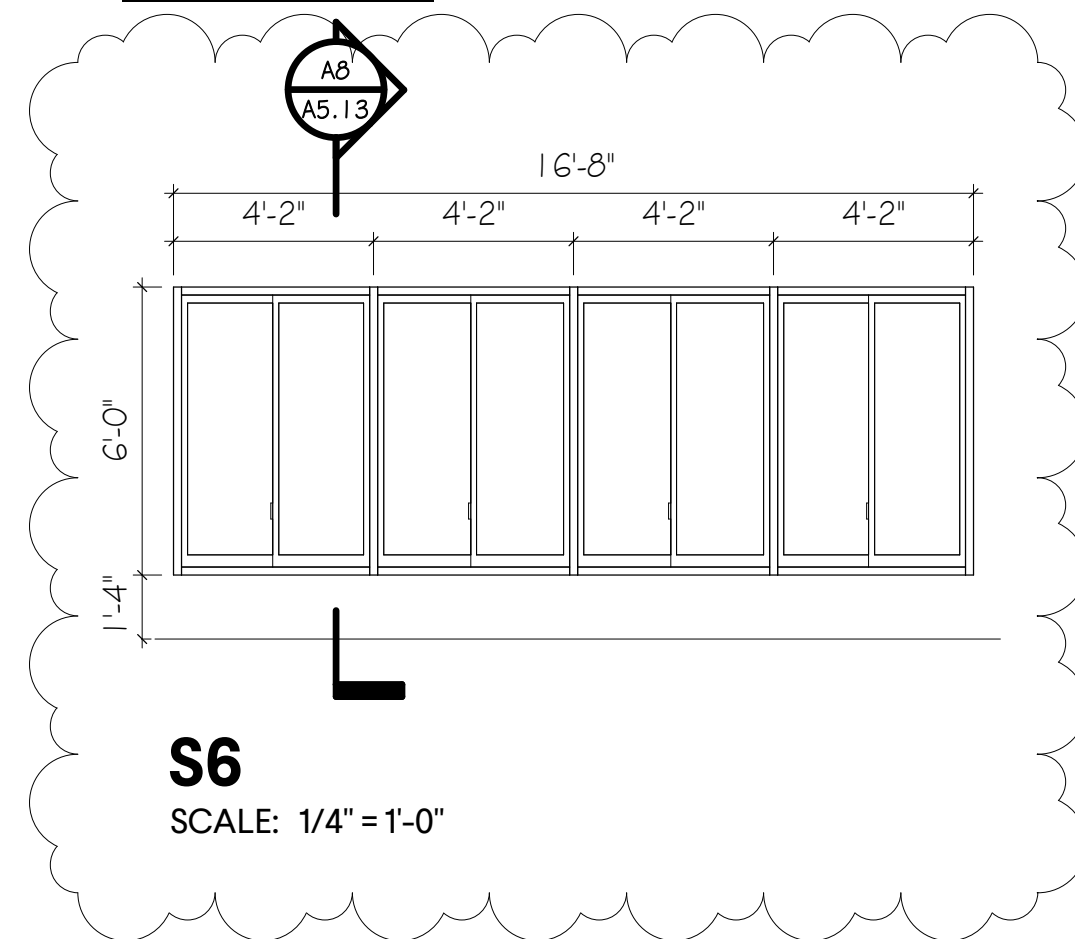
**F2 EXT. HEAD S4**  
SCALE: 3" = 1'-0"



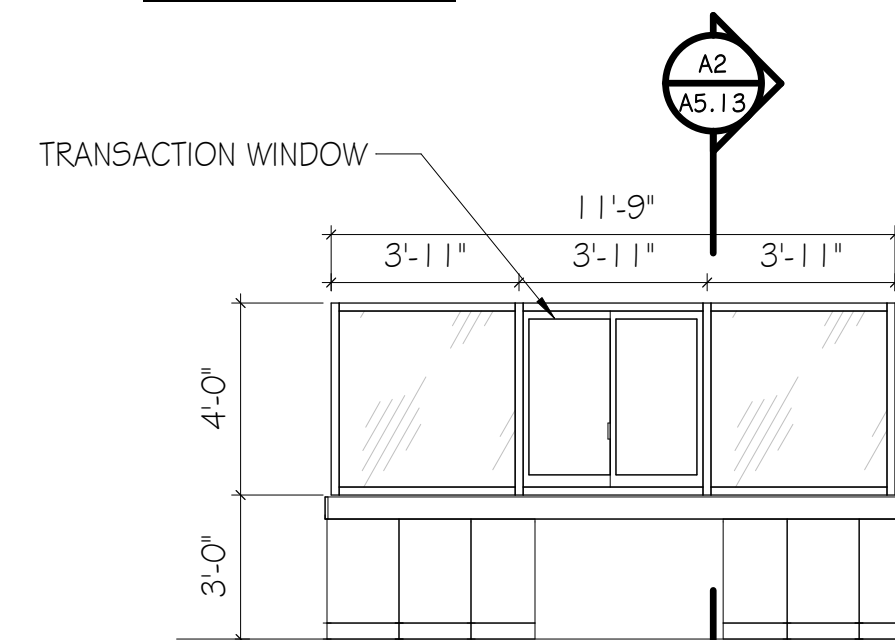
**C2 EXT. JAMB S4**  
SCALE: 3" = 1'-0"



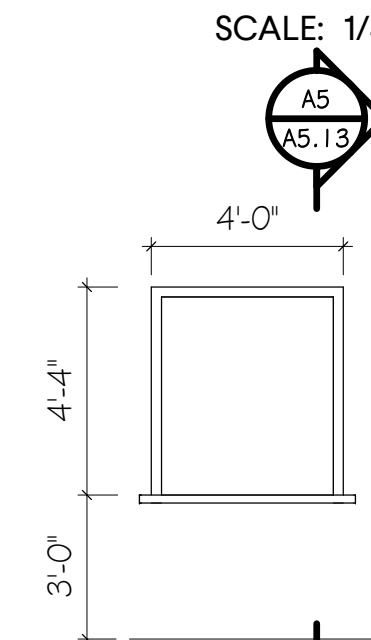
**8 EXT. CMU SILL S4**  
SCALE: 3" = 1'-0"



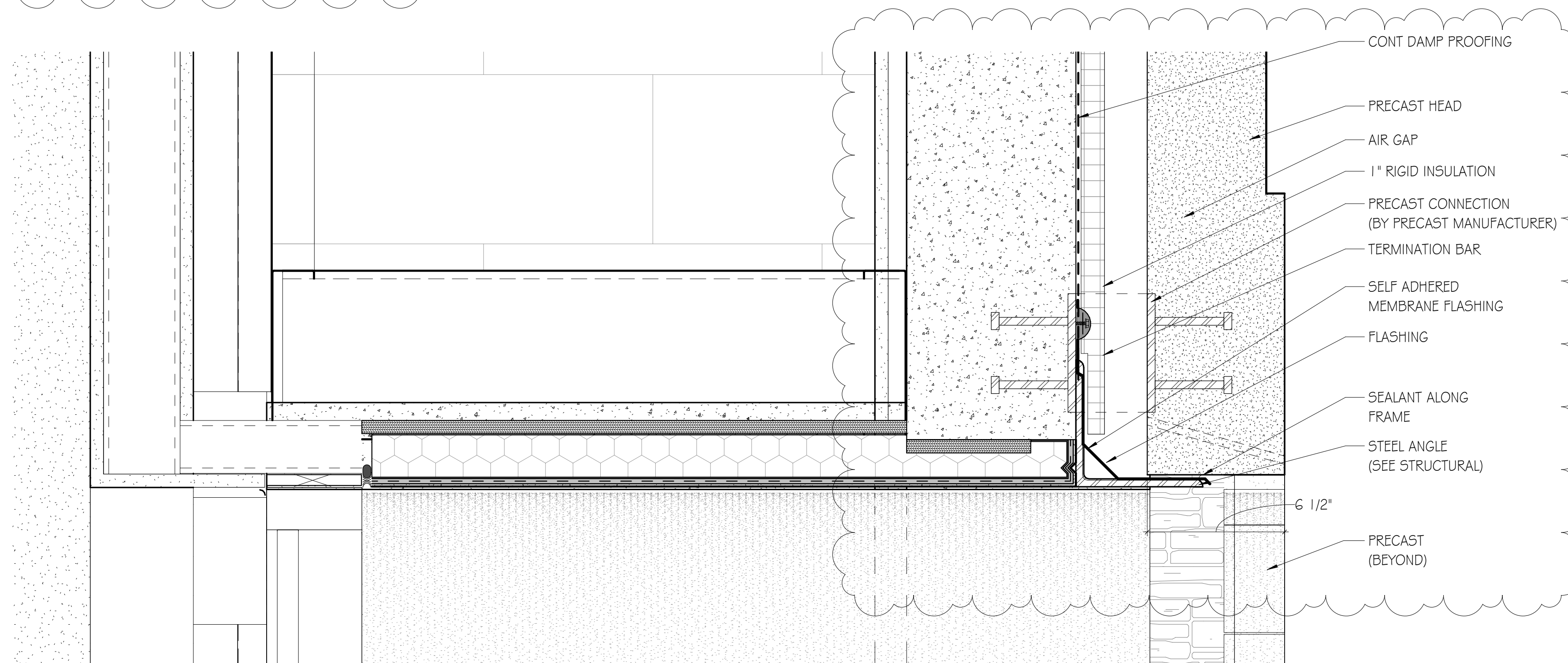
**S6**  
SCALE: 1/4" = 1'-0"



**S7**  
SCALE: 1/4" = 1'-0"  
FIRE RATING: 90 MIN



**W1**  
SCALE: 1/4" = 1'-0"  
FIRE RATING: 90 MIN



### D4 SECTION DETAIL

# GLASS SCHEDULE

GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTION 088000 "GLAZING" & 134900 "RADIATION PROTECTION"):

## MONOLITHIC:

G1	6.0mm	CLEAR, TEMPERED
G2	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: CLEAR
G3	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: ARCTIC SNOW
G4	8.0mm	CLEAR, FIRE-RATED CERAMIC GLAZING, SATING OF OPNG.
G5	4.0mm(x2)	ULTRACLEAR, TEMPERED, 2 UTES + INTEGRAL BLINDS
G6	12.5mm	SAFETY, LEAD BORATE GLASS, SEE SPECIFICATIONS
G7	12.5mm	SAFETY, LASER RATED, SEE SPECIFICATIONS

## INSULATING:

IG1	1 INCH	INSULATING, VISION LITE
IG2	1 INCH	INSULATING, SPANDREL LITE

## SPECIALTY GLASS:

RG1	RF-SHIELDED GLASS AT MR ROOM TO BE PROVIDED UNDER RF-SHIELDED ENCLOSURE PACKAGE
-----	---

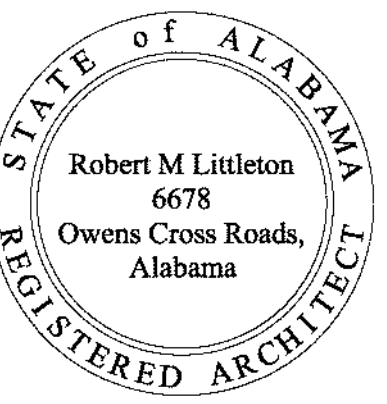
**GNC**

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	ISSUE DATE
FINAL SUBMITTAL	06/10/2022
Addendum #1	08/03/2022
1	
DRAWN BY:	Author
CHECKED BY:	Checker

ADDITION TO DESHLER HIGH SCHOOL  
303 NORTH COMMONS STREET EAST,  
TUSCUMBIA, AL. 35674

GMC # AHUN210012  
DCM # 2022059



## WINDOW AND LOUVER LEGEND

# A6.11



**SECTION 05 3100****STEEL DECK****PART 1 - GENERAL****1.1 SUMMARY:**

- A. Section Includes:
  - 1. Steel roof deck.
  - 2. Non-composite steel form deck.
- B. Related Documents: Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this section.
- C. Related Sections: The following Sections contain requirements that relate to this Section:
  - 1. Section 03 3000, "Concrete":
  - 2. Section 05 1200, "Structural Steel": Shop-welded shear connectors.
  - 3. Section 05 5000, "Metal Fabrications": Framing openings with miscellaneous steel shapes.
  - 4. Section 05 2100, "Steel Joists".
  - 5. Section 07 8150, "Sprayed-On Fireproofing".
  - 6. Section 09 9000, "Painting":
    - a. Touch-up and repair painting of deck.
    - b. Touch-up and repair of special deck coatings.

**1.2 SUBMITTALS:**

- A. General: Submit each item in this Article according to the Conditions of the Contract and Division 1 Specification Sections.
- B. Submit all shop drawings on one reproducible print (sepia) and one blue line print only. The reproducible print will be returned. All blue line prints required by the Contractor will be the responsibility of the Contractor and shall be made after reproducible is returned.
- C. Product data for each type of deck, accessory, and product specified.
  - 1. Provide test data for mechanical fasteners used in lieu of welding for fastening deck to supporting structures.
- D. Shop drawings showing layout and types of deck panels, anchorage details, reinforcing channels, pans, cut openings, closure strips, deck openings, special jointing, accessories, and attachment to other construction.
- E. Welder certificates signed by Contractor certifying that welders comply with requirements specified under the "Quality Assurance" Article.

- F. Product test reports from qualified independent testing agencies evidencing compliance with requirements of the following based on comprehensive testing:
  - 1. Mechanical fasteners.
- G. Research reports or evaluation reports of the model code organization acceptable to authorities having jurisdiction that evidence steel deck's compliance with the building code in effect for the Project.

### **1.3 QUALITY ASSURANCE:**

- A. Codes and Standards: Comply with provisions of the following codes and standards, except as otherwise indicated:
  - 1. American Iron and Steel Institute (AISC), "Specification for the Design of Cold-Formed Steel Structural Members".
  - 2. American Welding Society (AWS), D1.3 "Structural Welding Code - Sheet Steel".
  - 3. Steel Deck Institute (SDI), "Design Manual for Composite Decks, Form Decks and Roof Decks".
- B. Installer Qualifications: Engage an experienced Installer who has completed steel deck similar in material, design, and extent to that indicated for this Project and with a record of successful in-service performance.
- C. Welding Standards: Comply with applicable provisions of AWS D1.1 "Structural Welding Code-Steel" and AWS D1.3 "Structural Welding Code-Sheet Steel."
  - 1. Certify that each welder has satisfactorily passed AWS qualification tests for welding processes involved and, if pertinent, has undergone recertification.
- D. Welded decking in place is subject to inspection and testing. Owner will bear expense of removing and replacing portions of decking for testing purposes if welds are found to be satisfactory. Remove work found to be defective and replace with new acceptable work.
- E. Fire-Test-Response Characteristics: Where indicated, provide steel deck panels identical to those tested as part of an assembly for fire resistance per ASTM E 119 by a testing and inspection agency performing testing and follow-up services, that is acceptable to authorities having jurisdiction.
- F. Fire-Resistance Ratings: As indicated by design designations listed in UL "Fire Resistance Directory," or by Warnock Hersey or another testing and inspecting agency.
- G. Labeling: Identify steel deck with appropriate markings of applicable testing and inspecting agency.
- H. Installation Tolerances: Conform to the installation tolerances specified in Part 3.



**1.4 DELIVERY, STORAGE, AND HANDLING:**

- A. Protect steel deck from corrosion, deformation, and other damage during delivery, storage, and handling.
- B. Stack steel deck on platforms or pallets and slope to provide drainage. Protect with a waterproof covering and ventilate to avoid condensation.

**1.5 COORDINATION:**

- A. Coordinate installation of sound-absorbing insulation strips in acoustic deck ribs with related units of Work specified in other Sections to ensure that the insulation is protected against damage from effects of the weather and other causes.

**PART 2 - PRODUCTS****2.1 MANUFACTURERS:**

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - 1. Steel Roof Deck:
    - a. Bowman Metal Deck Armco, Inc.
    - b. Epic Metals Corp.
    - c. Centria/Robertson.
    - d. Vulcraft Div. of Nucor Corp.
    - e. Wiremold/Walker.
    - f. Wheeling Corrugating Co., Div. of Wheeling-Pittsburgh Steel Corp.
  - 2. Non-Composite Steel Form Units:
    - a. Epic Metals Corp.
    - b. Vulcraft Div. of Nucor Corp.
    - c. New Millennium

**2.2 ROOF DECK:**

- A. Steel Roof Deck: Fabricate panels without top-flange stiffening grooves conforming to SDI Publication No. 28 "Specifications and Commentary for Steel Roof Deck" and the following:
  - 1. Galvanized-Steel Sheet: ASTM A 446, Grade A, G 60 (ASTM A 446M, Grade A, Z 180) zinc coated according to ASTM A 525 (ASTM A 525M).
  - 2. Deck Profile:
    - a. Type WR, wide rib.
  - 3. Profile Depth:
    - a. 1-1/2 inches.
  - 4. Design Uncoated-Steel Thickness:
    - a. 0.0295 inch.
  - 5. Span Condition:
    - a. Triple span or more.

6. Side Joints:
  - a. Overlapped or interlocking seam at Contractor's option.

### 2.3 FLOOR DECK:

- A. Non-Composite Steel Form Deck: Fabricate ribbed-steel sheet non-composite form deck panels conforming to SDI Publication No. 28 "Specifications and Commentary for Non-Composite Steel Form Deck," the minimum section properties indicated, and the following:
  1. Galvanized-Steel Sheet: ASTM A 653/A 653M, Structural Steel (SS), Grade 60 minimum, G 90 (Z275) zinc coated.
  2. Profile Depth:
    - a. 9/16 inch.
  3. Design Uncoated-Steel Thickness:
    - a. 0.0179 inch (26 Gauge).
  4. Span Condition:
    - a. Triple span or more.
  5. Side Joints:
    - a. Overlapped.

### 2.4 FABRICATION AND ACCESSORIES:

- A. General: Form deck units in lengths of three or more spans, with flush, telescoped, or nested 2-inch laps at ends and interlocking or nested side laps, unless noted. End laps shall occur over a support.
- B. Roof Deck Units: Provide deck configurations that comply with SDI "Specifications and Commentary for Steel Roof Deck".
- C. Cant Strips: Fabricate cant strips of not less than 20 gage galvanized sheet steel of same quality as the deck units. Bend cant strips to form a 45 degree cant not less than 5 inches wide with top and bottom flanges not less than 2 inches wide, unless noted. Provide cant strips in 10 foot lengths where possible.
- D. Ridge and Valley Plates: Fabricate ridge and valley plates of not less than 20 gage galvanized sheet steel of the same quality as deck units. Bend to provide tight-fitting closure with deck units. Each leg of bend shall not be less than 3 inches. Provide plates in 10 foot lengths where possible.
- E. Accessories: Provide accessory materials for steel deck that comply with requirements indicated and recommendations of the steel deck manufacturer.
- F. Mechanical Fasteners: Manufacturer's standard, corrosion-resistant, low-velocity, powder-actuated or pneumatically driven carbon steel fasteners; or self-drilling, self-threading screws.
- G. Side Lap Fasteners: Manufacturer's standard, corrosion-resistant, hexagonal washer head; self-drilling, carbon steel screws, No. 10 (4.8 mm) minimum diameter.



- H. Rib Closure Strips: Manufacturer's standard vulcanized, closed-cell, synthetic rubber.
- I. Miscellaneous Roof Deck Accessories: Steel sheet, 0.0359-inch (0.91-mm) thick minimum ridge and valley plates, finish strips, and reinforcing channels, of same material as roof deck.
- J. Column Closures, End Closures, Z-Closures, and Cover Plates: Steel sheet, of same material and thickness as deck panels, unless otherwise indicated.
- K. Weld Washers: Manufacturer's standard uncoated-steel sheet weld washers, shaped to fit deck rib, 0.0598 inch (1.5 mm) thick with 3/8-inch (9.5-mm) minimum diameter prepunched hole.
- L. Recessed Sump Pans: Manufacturer's standard size, single piece steel sheet 0.071-inch- (1.8-mm-) thick minimum, of same material as deck panels, with 1-1/2-inch- (38-mm-) minimum deep level recessed pans and 3-inch- (76-mm-) wide flanges. Cut holes for drains in the field.
- M. Flat Receiver Pan: Manufacturer's standard size, single-piece steel sheet, 0.071-inch- (1.8-mm-) thick minimum units, of same material as deck panels. Cut holes for drains in the field.
- N. Shear Connectors: ASTM A 108, Grade 1010 through 1020 headed stud type, cold-finished carbon steel, AWS D1.1, Type B.
- O. Steel Sheet Accessories: ASTM A 446, G 60 (ASTM A 446M, Z 180) coating class, galvanized according to ASTM A 525 (ASTM A 525M).
- P. Galvanizing Repair Paint: SSPC-Paint 20 or DOD-P-21035, with dry film containing a minimum of 94 percent zinc dust by weight.

### **PART 3 - EXECUTION**

#### **3.1 EXAMINATION:**

- A. Examine supporting framing and field conditions for compliance with requirements for installation tolerances and other conditions affecting performance of steel deck.

#### **3.2 PREPARATION:**

- A. Do not place deck panels on concrete supporting structure until concrete has cured and is dry.
- B. Locate decking bundles to prevent overloading of supporting members.

#### **3.3 INSTALLATION, GENERAL:**

- A. Install deck panels and accessories according to applicable specifications and commentary of SDI Publication No. 28, manufacturer's recommendations, and requirements of this Section.
- B. Install temporary shoring before placing deck panels when required to meet deflection

limitations.

- C. Place deck panels on supporting framing and adjust to final position with ends accurately aligned and bearing on supporting framing before being permanently fastened. Do not stretch or contract side lap interlocks.
1. Do not place deck units on concrete supporting structure until concrete has cured and is dry.
  2. Coordinate and cooperate with structural steel erector in locating decking bundles to prevent overloading of structural members.
  3. Do not use deck units for storage or working platforms until permanently secured.
  4. Place deck panels flat and square and fasten to supporting framing without warp or deflection.
  5. Cut and neatly fit deck panels and accessories around openings and other work projecting through or adjacent to the decking.
  6. Provide additional reinforcement and closure pieces at openings as required for strength, continuity of decking, and support of other work.
  7. Comply with AWS requirements and procedures for manual shielded metal arc welding, appearance and quality of welds, and methods used in correcting welding work.
  8. Mechanical fasteners may be used in lieu of welding to fasten deck. Locate mechanical fasteners and install according to deck manufacturer's instructions.
- D. Deck Edge Tolerances: Perimeter deck edges shall be within  $\pm$  1/2 inch of the indicated lines.

### **3.4 ROOF DECK INSTALLATION:**

- A. Fasten roof deck panels to steel supporting members by arc spot (puddle) welds of the surface diameter indicated or arc seam welds with an equal perimeter, but not less than 1-1/2 inches (38 mm) long, and as follows:
1. Comply with AWS requirements and procedures for manual shielded metal arc welding, appearance and quality of welds, and methods used in correcting welding work.
  2. Weld Diameter:
    - a. 5/8 inch (16 mm), nominal.
  3. Weld Spacing: Space and locate welds as indicated.
  4. Weld Washers: Install weld washers at each weld location.
  5. Side Lap and Perimeter Edge Fastening: Fasten side laps and perimeter edges of panels between supports, at intervals not exceeding 36 inches (910 mm), using one of the following methods:
    - a. Mechanically fasten with self-drilling No. 10- (4.8-mm-) diameter or larger carbon steel screws.
- B. End Bearing: Install deck ends over supporting framing with a minimum end bearing of 1-1/2 inches (38 mm), with end joints as follows:
1. End Joints:
    - a. Lapped 2 inches (51 mm) minimum.



- C. Uplift Loading: Install and anchor roof deck units to resist gross uplift loading of 45 psf at eave overhang and 30 psf for other roof areas.
- D. Reinforcement at Openings: Provide additional metal reinforcement and closure pieces as required for strength, continuity of decking, and support of other work shown.
- E. Roof Sump Pans and Sump Plates: Install over openings provided in roof decking, and weld flanges to top of deck. Space welds not more than 12 inches (305 mm) apart with at least one weld at each corner.
- F. Miscellaneous Roof Deck Accessories: Install ridge and valley plates, finish strips, cover plates, end closures, and reinforcing channels according to deck manufacturer's recommendations. Weld to substrate to provide a complete deck installation.

### 3.5 FLOOR DECK INSTALLATION:

- A. Fasten floor deck panels to steel supporting members by arc spot (puddle) welds of the surface diameter indicated and as follows:
  - 1. Weld Diameter: 5/8 inch (16 mm), nominal.
  - 2. Weld Spacing: Weld edge ribs of panels at each support. Space additional welds an average of 12 inches (305 mm) apart, but not more than 18 inches (457 mm) apart.
  - 3. Weld Washers: Install weld washers at each weld location.
  - 4. Side Lap and Perimeter Edge Fastening: Fasten side laps and perimeter edges of panels between supports, or at intervals not exceeding 36 inches (910 mm), using one of the following methods:
    - a. Mechanically fasten with self-drilling No. 10- (4.8-mm-) diameter or larger carbon steel screws.
- B. End Bearing: Install deck ends over supporting framing with a minimum end bearing of 1-1/2 inches (38 mm), with end joints as follows:
  - 1. End Joints:
    - a. Lapped.
- C. Pour Stops and Girder Fillers: Weld steel sheet pour stops and girder fillers to supporting structure according to SDI recommendations, unless otherwise indicated.
- D. Floor Deck Closures: Weld steel sheet column closures, cell closures, and Z-closures to deck according to SDI recommendations to provide tight-fitting closures at open ends of ribs and sides of decking. Weld cover plates at changes in direction of floor deck panels, unless otherwise indicated.

### 3.6 FIELD QUALITY CONTROL:

- A. Quantity of Required Inspections and Tests: Testing Laboratory shall perform inspections or tests in accordance with AISC specification:
  - 1. Field welds and screwed deck attachment will be subject to Special Inspection

requirements per 2012 IBC. Refer to Special Inspection Schedule in Construction Documents.

- B. Testing Agency will report test results promptly and in writing to Contractor and Architect.
- C. Remove and replace work that does not comply with specified requirements.
- D. Additional testing will be performed to determine compliance of corrected work with specified requirements.

**3.7 REPAIRS AND PROTECTION:**

- A. Galvanizing Repairs: Prepare and repair damaged galvanized coatings on both surfaces with galvanized repair paint according to ASTM A 780 and the manufacturer's instructions.

**END OF STEEL DECK**