

ARCHITECHNICS, INC.
510 MAINE STREET
QUINCY, ILLINOIS 62301

PROJECT NO. : 5998, 6003A, 6003B, 6004, 6036

ADDENDUM NO.: 3

ISSUED: 4/5/2021

Project: 2021 Capital Improvements
RALLS COUNTY R-II SCHOOL DISTRICT
21622 HIGHWAY 19
CENTER, MO 63436

This addendum becomes a part of the bidding and contract documents and modifies the drawings and specifications dated March 5, 2021. Acknowledge receipt of this addendum by noting such on the Contractor's Proposal (Bid) Form.

FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION

ITEM	DESCRIPTION
<u>Bid Opening Procedures</u>	
1.0 Clarify	<p>Bid shall be opened publically in the office of Architechnics according to the previously issued information in the Advertisement for Bids. The location of the bid opening will be in a small, confined space where social distancing guidelines will be difficult to maintain. In light of these limitations, an online bid opening will be held in addition to the in person opening. Bidders are encouraged to participate in the bid opening via the online format. Request the link from the Architect or copy the link below:</p> <p>https://zoom.us/j/98100617546?pwd=d0l4L1EwY0V0NW5rSE Meeting ID: 981 0061 7546 Passcode: 805039</p>
<u>Clarification</u>	
2.0 Addendum #2	Missouri Terrazzo is an approved installer. Tnemec is not an approved substitute product.
3.0 Division 26	MC cabling is acceptable for use.
<u>Specifications</u>	
4.0 Section 32 3113 Fences and Gates	Replace Replace with attached revised section. Fence products revised.
<u>Drawings - Project 6003B</u>	
5.0 Sheet G000 Project 6003B	Replace Replace with attached revised sheet. Wall type notes reflect panel gauges.
6.0 Sheet A100 Project 6003B	Replace Replace with attached revised sheet. Ceiling panel note added.

Drawings - Project 6036

7.0	Sheet G000 Project 6036	Replace	Replace with attached revised sheet. Wall type notes reflect panel gauges.
8.0	Sheet S102 Project 6036	Replace	Replace with attached revised sheet. Column C4 note added.
9.0	Sheet A100 Project 6036	Replace	Replace with attached revised sheet. Ceiling panel note added.
10.0	Sheet MP100 Project 6036	Replace	Replace with attached revised sheet. Alt bid E-3 note corrected.

Attachments: Section 32 3113; 6003B-G000; 6003B-A100; 6036-G000; 6036-S102; 6036-A100; 6036-MP100

SECTION 32 3113 - CHAIN LINK FENCES AND GATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Chain-link fences.
 - 2. Swing gates.
- B. Related Requirements:
 - 1. Section 03 3000 "Cast-in-Place Concrete" for cast-in-place concrete post footings.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for the following:
 - a. Fence and gate posts, rails, and fittings.
 - b. Chain-link fabric, reinforcements, and attachments.
 - c. Gates and hardware.
- B. Shop Drawings: For each type of fence and gate assembly.
 - 1. Include plans, elevations, sections, details, and attachments to other work.
 - 2. Include accessories, hardware, gate operation, and operational clearances.

1.4 FIELD CONDITIONS

- A. Field Measurements: Verify layout information for chain-link fences and gates shown on Drawings in relation to property survey and existing structures. Verify dimensions by field measurements.

1.5 WARRANTY

- A. Special Warranty: Installer agrees to repair or replace components of chain-link fences and gates that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Failure to comply with performance requirements.

- b. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
- 2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 CHAIN-LINK FENCE FABRIC

- A. General: Provide fabric in one-piece heights measured between top and bottom of outer edge of selvage knuckle according to "CLFMI Product Manual" and requirements indicated below:
 - 1. Fabric Height: 4'-0".
 - 2. 9 gauge, galvanized, ASTM A392, knuckle-knuckle

2.2 FENCE FRAMEWORK

- A. Posts and Rails : ASTM F 1043 for framework, including rails, braces, and line; terminal; and corner posts. Provide members with minimum dimensions and wall thickness according to ASTM F 1043 or ASTM F 1083 based on the following:
 - 1. Fence Height: 4'-0" .
 - 2. Terminal posts: 2 7/8" x 7', schedule 40
 - 3. Line posts: 2 3/8" x 7'-0" schedule 40
 - 4. Top rail: 1 5/8 schedule 40

2.3 SWING GATES

- A. General: ASTM F 900 for gate posts and single and double swing gate types.
 - 1. Gate Leaf Width: refer to drawings.
 - 2. Framework Member Sizes and Strength: Based on gate fabric height of 72 inches or less .
- B. Pipe and Tubing:
 - 1. Zinc-Coated Steel: ASTM F 1043 and ASTM F 1083; protective coating and finish to match fence framework .
 - 2. Gate Posts: 2 7/8" schedule 40, round tubular steel .
 - 3. Gate Frames and Bracing: Round tubular steel .
- C. Frame Corner Construction: Welded or assembled with corner fittings.
- D. Hardware:
 - 1. Hinges: 360-degree inward and outward swing.
 - 2. Latch: Permitting operation from both sides of gate with provision for padlocking accessible from both sides of gate.

2.4 FITTINGS

- A. Provide fittings according to ASTM F 626.
- B. Tie Wires, Clips, and Fasteners: According to ASTM F 626.
 - 1. Standard Round Wire Ties: For attaching chain-link fabric to posts, rails, and frames, according to the following:
 - a. Hot-Dip Galvanized Steel: 0.106-inch- 0.148-inch- diameter wire ; galvanized coating thickness matching coating thickness of chain-link fence fabric.
 - b. Aluminum: ASTM B 211; Alloy 1350-H19; 0.148-inch- diameter, mill-finished wire.
- C. Finish:
 - 1. Metallic Coating for Pressed Steel or Cast Iron: Not less than 1.2 oz./sq. ft. of zinc.
 - a. Polymer coating over metallic coating.
 - 2. Aluminum: Mill finish.

2.5 TOP CAP

- A. Plastic safety top cap, mechanically fastened, eq. to SafetyTopCap by Pexco, 1-770-343-4590.
- B. Finish:
 - 1. Color to be selected from manufacturer's standard finishes.

2.6 GROUT AND ANCHORING CEMENT

- A. Nonshrink, Nonmetallic Grout: Factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107/C 1107M. Provide grout, recommended in writing by manufacturer, for exterior applications.
- B. Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled expansion cement formulation for mixing with water at Project site to create pourable anchoring, patching, and grouting compound. Provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating, and that is recommended in writing by manufacturer for exterior applications.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for site clearing, earthwork, pavement work, and other conditions affecting performance of the Work.
 - 1. Do not begin installation before final grading is completed unless otherwise permitted by Architect.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of 500 feet or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.

3.3 CHAIN-LINK FENCE INSTALLATION

- A. Install chain-link fencing according to ASTM F 567 and more stringent requirements specified.
- B. Post Excavation: Drill or hand-excavate holes for posts to diameters and spacings indicated, in firm, undisturbed soil.
- C. Post Setting: Set posts in concrete or at indicated spacing into firm, undisturbed soil.
 - 1. Verify that posts are set plumb, aligned, and at correct height and spacing, and hold in position during setting with concrete or mechanical devices.
 - 2. Concrete Fill: Place concrete around posts to dimensions indicated and vibrate or tamp for consolidation. Protect aboveground portion of posts from concrete splatter.
 - a. Concealed Concrete: Place top of concrete 2 inches below grade to allow covering with surface material.
- D. Terminal Posts: Install terminal end, corner, and gate posts according to ASTM F 567 and terminal pull posts at changes in horizontal or vertical alignment of 15 degrees or more . For runs exceeding 500 feet, space pull posts an equal distance between corner or end posts.
- E. Line Posts: Space line posts uniformly at 96 inches o.c.
- F. Post Bracing and Intermediate Rails: Install according to ASTM F 567, maintaining plumb position and alignment of fence posts. Diagonally brace terminal posts to adjacent line posts with truss rods and turnbuckles. Install braces at end and gate posts and at both sides of corner and pull posts.
 - 1. Locate horizontal braces at midheight of fabric 72 inches or higher, on fences with top rail, and at two-third fabric height on fences without top rail. Install so posts are plumb when diagonal rod is under proper tension.
- G. Top Rail: Install according to ASTM F 567, maintaining plumb position and alignment of fence posts. Run rail continuously through line post caps, bending to radius for curved runs and terminating into rail end attached to posts or post caps fabricated to receive rail at terminal posts. Provide expansion couplings as recommended in writing by fencing manufacturer.
- H. Chain-Link Fabric: Apply fabric to outside of enclosing framework. Leave 1-inch bottom clearance between finish grade or surface and bottom selvage unless otherwise indicated. Pull fabric taut and tie to posts, rails, and tension wires. Anchor to framework so fabric remains under tension after pulling force is released.
- I. Tension or Stretcher Bars: Thread through fabric and secure to end, corner, pull, and gate posts, with tension bands spaced not more than 15 inches o.c.
- J. Tie Wires: Use wire of proper length to firmly secure fabric to line posts and rails. Attach wire at one end to chain-link fabric, wrap wire around post a minimum of 180 degrees, and attach other end to chain-link fabric according to ASTM F 626. Bend ends of wire to minimize hazard to individuals and clothing.

1. Maximum Spacing: Tie fabric to line posts at 12 inches o.c. and to braces at 24 inches o.c.
- K. Fasteners: Install nuts for tension bands and carriage bolts on the side of fence opposite the fabric side.

3.4 GATE INSTALLATION

- A. Install gates according to manufacturer's written instructions, level, plumb, and secure for full opening without interference. Attach fabric as for fencing. Attach hardware using tamper-resistant or concealed means. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation.

3.5 ADJUSTING

- A. Gates: Adjust gates to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.
- B. Lubricate hardware and other moving parts.

END OF SECTION 32 3113

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RALLS COUNTY R-II SCHOOL DISTRICT

ISSUED FOR BIDDING
03/05/2021

ARCHITECHNICS
architects • engineers • interior designers

INTERNATIONAL BUILDING CODE 2015

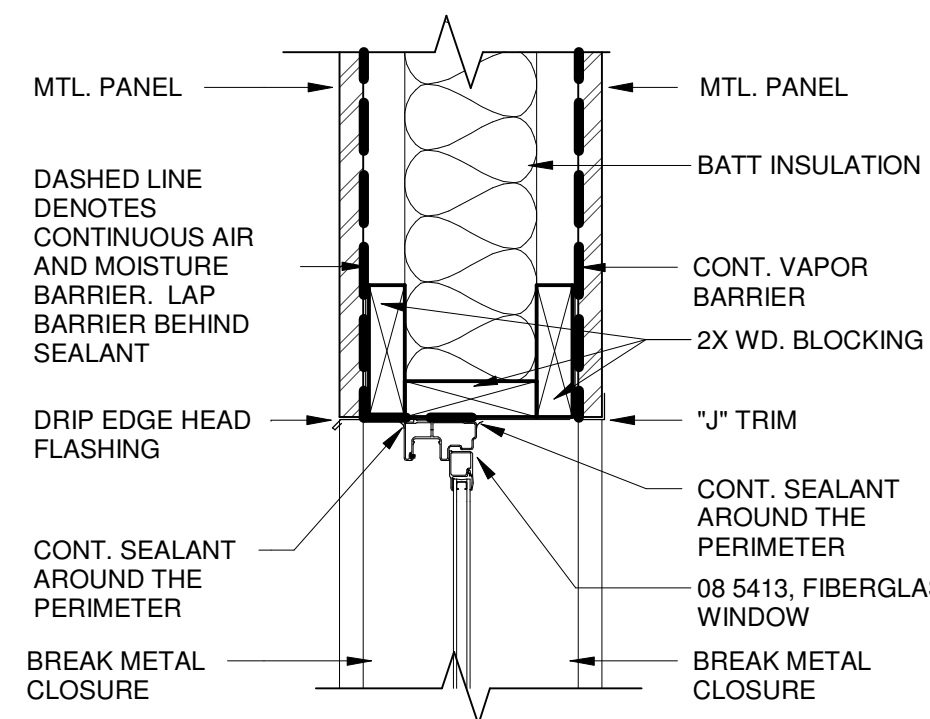
1. ALTERNATE BID D-1: PROVIDE EXPOSED FASTENER METAL ROOFING SYSTEM IN LIEU OF STANDING SEAM METAL.
2. ALTERNATE BID D-2: PROVIDE CONVENTIONAL STICK FRAMED CONSTRUCTION IN LIEU OF PRE-ENGINEERED WOOD FRAMED CONSTRUCTION.

1. DIMENSIONS SHOWN ARE ACTUAL
2. OTHER EXTERIOR WALL CONDITIONS MAY OCCUR AT HIGHER ELEVATIONS, REFER TO BUILDING AND/OR INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
3. REFER TO SPEC SECTION 04 2000 AND STRUCTURAL DRAWINGS FOR CMU REINFORCING SIZE, SPACING, BOND BEAM LOCATIONS, LINTEL TYPES ETC FOR MASONRY WALLS.
4. SEE SPECIFICATIONS AND FINISH SCHEDULE FOR APPLICATION OF FINISHES AND FINISH REQUIREMENTS.

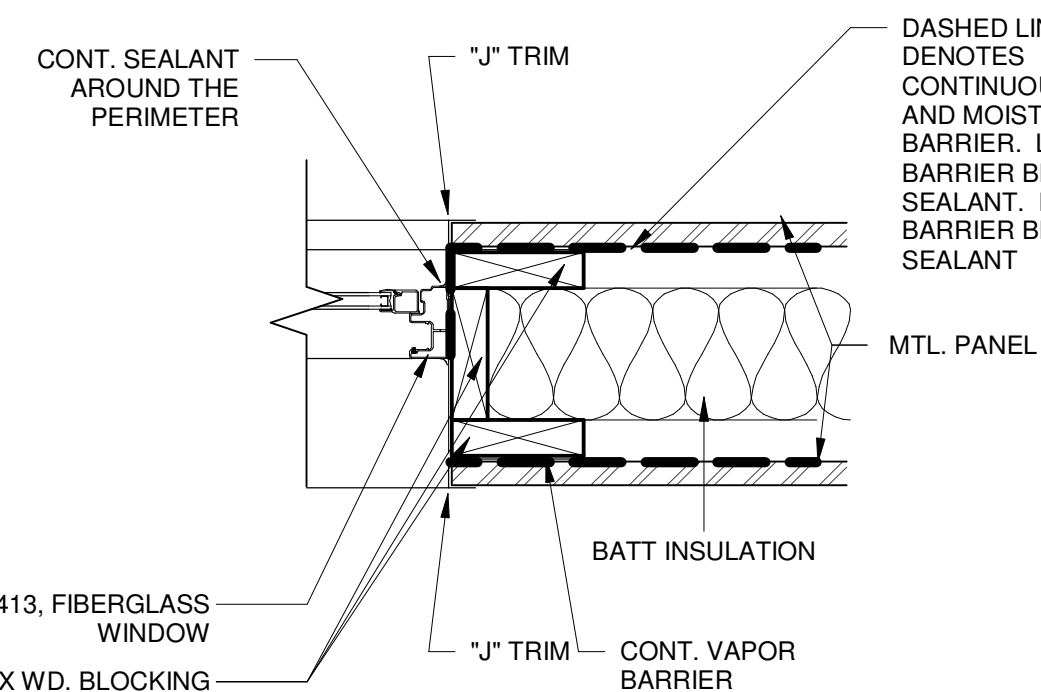
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G000	SURVEY
G001	
CIVIL	
C100	SITE DEMO
C101	SITE PLAN
STRUCTURAL	
S001	STRUCTURAL NOTES
S002	STRUCTURAL NOTES
S101	FOUNDATION PLAN
S102	ROOF FRAMING PLAN
S201	STRUCTURAL ELEVATIONS
S202	CONCRETE DETAILS
ARCHITECTURE	
A100	FLOORS, ELEVATIONS AND DETAILS
A101	ALT BID 0-2 DETAILS
PLUMBING	
P100	SANITARY PLUMBING PLAN
P200	DOMESTIC PLUMBING PLAN
MECHANICAL	
M100	MECHANICAL PLAN
ELECTRICAL	
E100	ELECTRICAL POWER PLAN
E200	ELECTRICAL LIGHTING PLAN



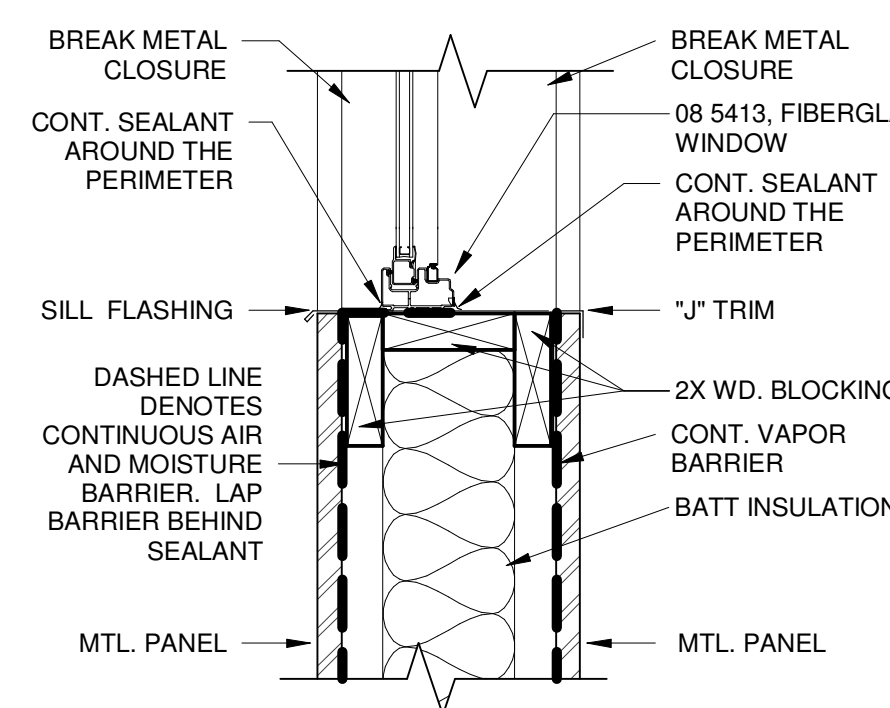
This aerial photograph shows the proposed high school building, a large, multi-winged structure with a tan and brown facade. The building is situated on a large, cleared lot. To the left of the building is a large, paved parking lot. To the right is a smaller parking lot with several vehicles. The building is bordered by Center Street to the left, Highway 19 to the top, and New London Road to the right. A road with a yellow center line runs along the top of the image. The surrounding area is mostly undeveloped land with some trees and a few other structures.



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



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

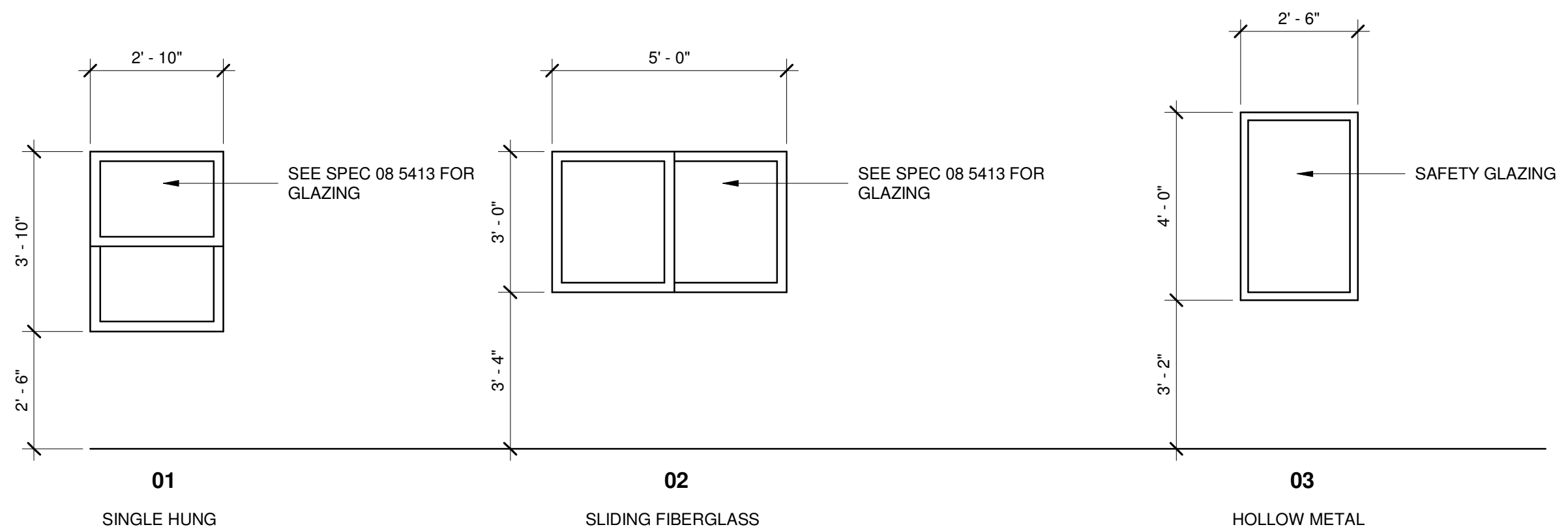


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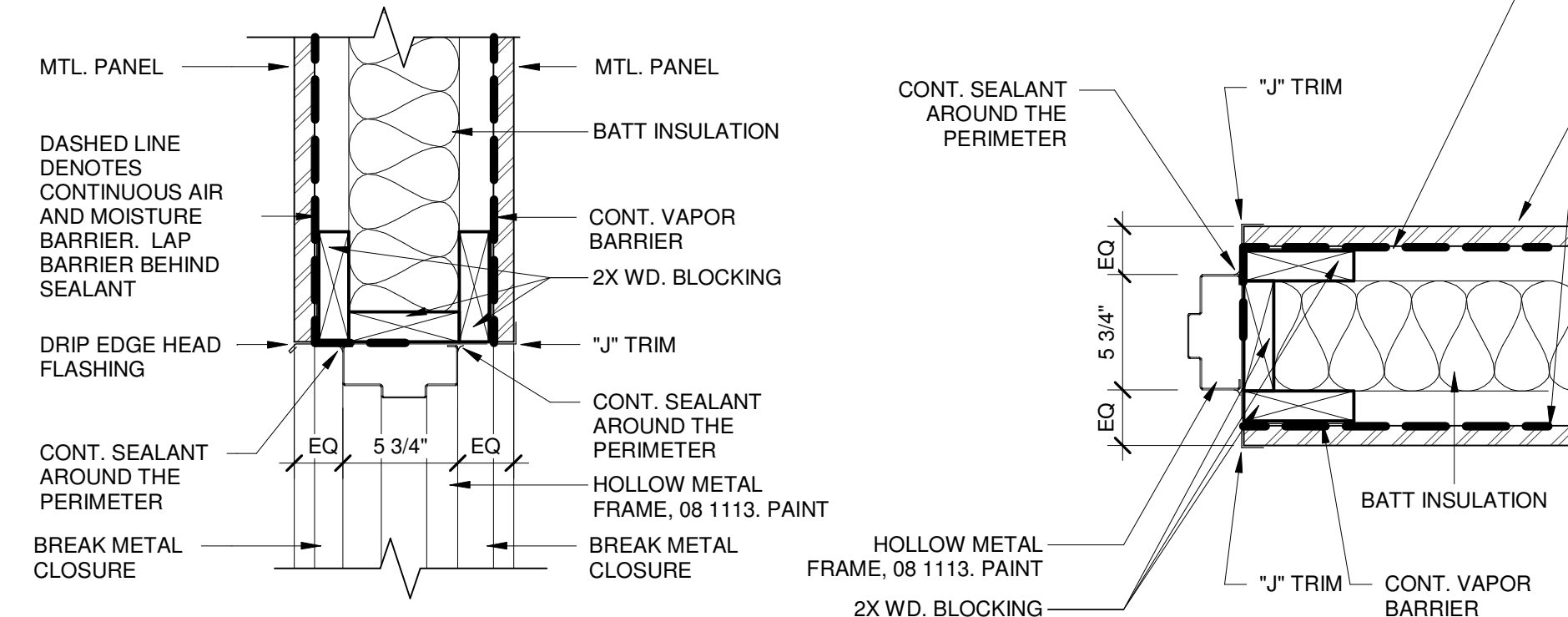
SCALE: 3/8" = 1'-0"

(2) SCALE: 3/8" = 1'-0"

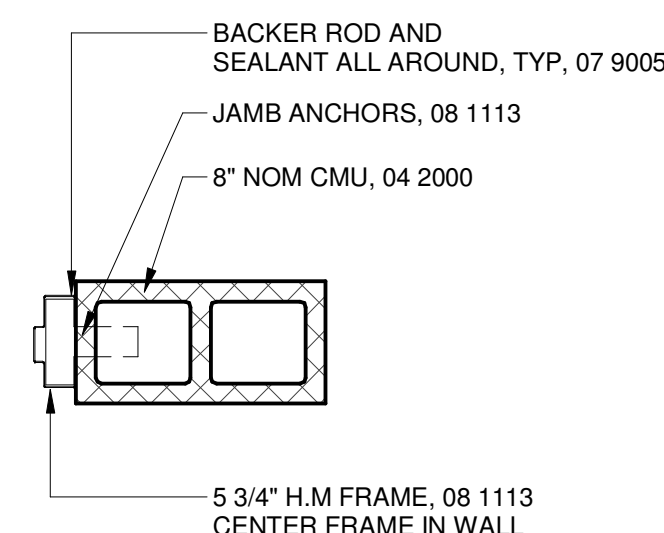
WINDOW SCHEDULE										
TYPE	R.O.		FINISH	HEAD	JAMB	SILL	Glazing	SILL HEIGHT	HEAD HEIGHT	COMMENTS
	WIDTH	HEIGHT					THICKNESS			
01	2' - 10"	3' - 10"	PREFIN	11/G000	12/G000	13/G000	see spec 08 5413	2' - 6"	6' - 4"	
02	2' - 10"	3' - 10"	PREFIN	11/G000	12/G000	13/G000	see spec 08 5413	2' - 6"	6' - 4"	
02	5' - 0"	3' - 0"	PREFIN	11/G000	13/G000	13/G000	see spec 08 8000	3' - 4"	6' - 4"	
03	2' - 6"	4' - 0"	PAINT	10/A100	10/A100 SIM	10/A100 SIM	see spec 08 8000	3' - 2"	7' - 2"	



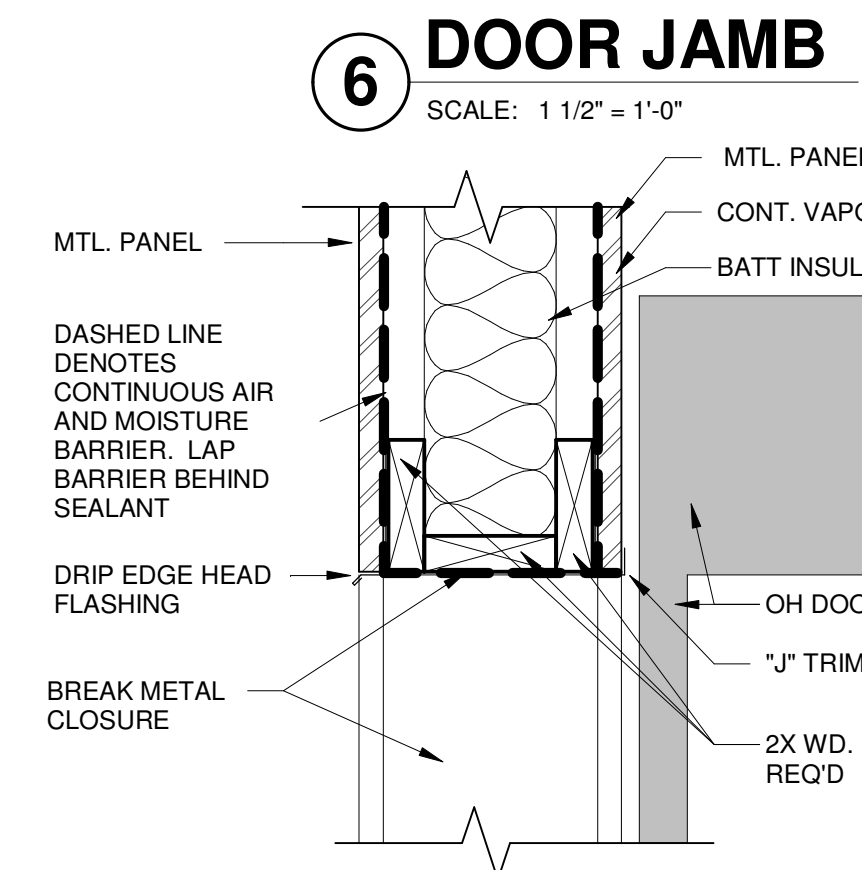
3 SCALE: 3/8" = 1'-0"



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



8 SCALE: 1" = 1'-0"



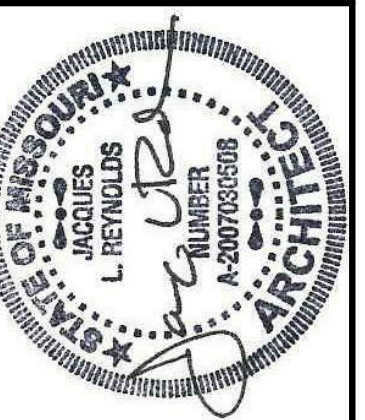
SCALE: 1 1/2" = 1'-0"

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

<u>01</u>	HINGES 1 1/2 PR CLOSER PUSH/PULL DEADBOLT (KEYED BOTH SIDES) SILENCERS	626 MATCH 626 626 626
<u>02</u>	HINGES 1 1/2 PR ENTRANCE LOCKSET OH STOP OR WALL STOP SILENCERS	626 626
<u>03</u>	HINGES 1 1/2 PR OFFICE LOCKSET WALL STOP SILENCERS	626 626
<u>04</u>	HINGES 1 1/2 PR CLOSER PUSH/PULL WALL STOP SILENCERS	626 MATCH 626 626

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ENTERTAINMENT WEEKLY

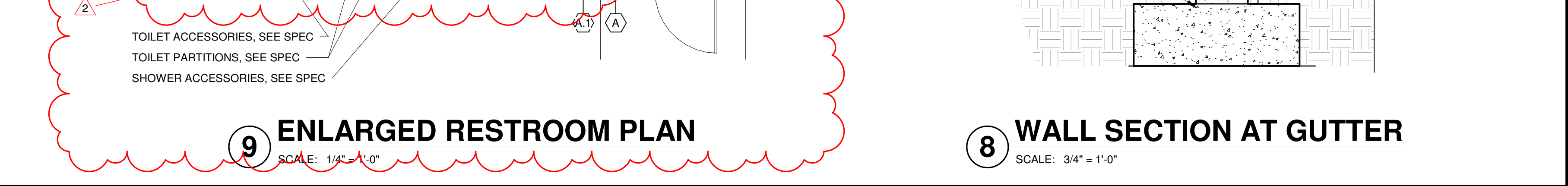
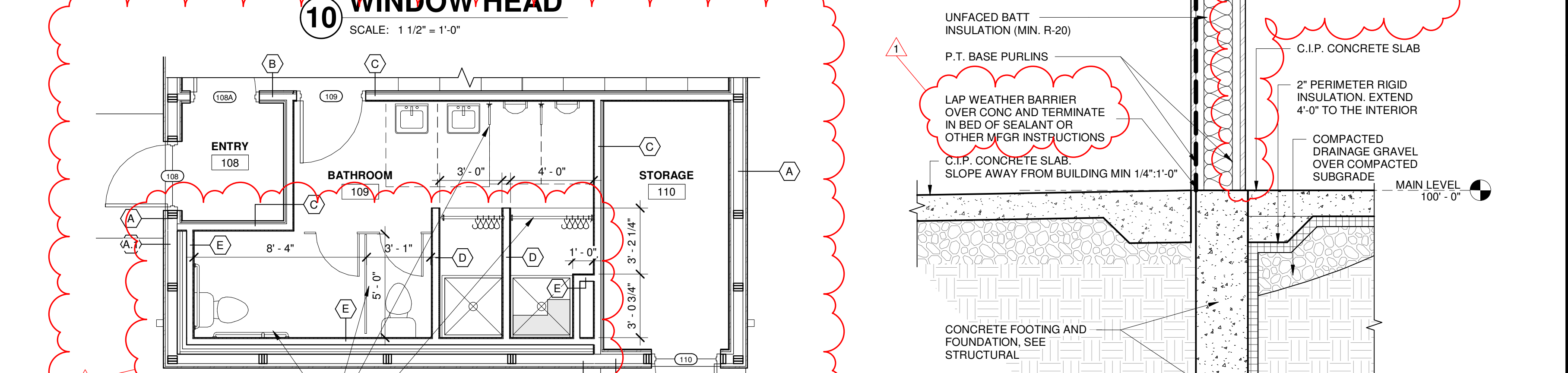
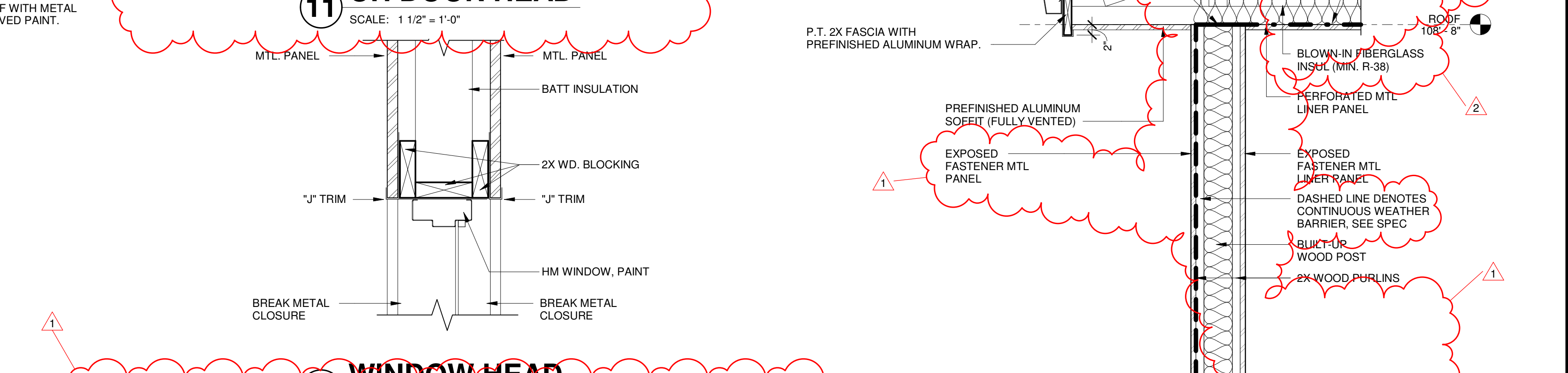
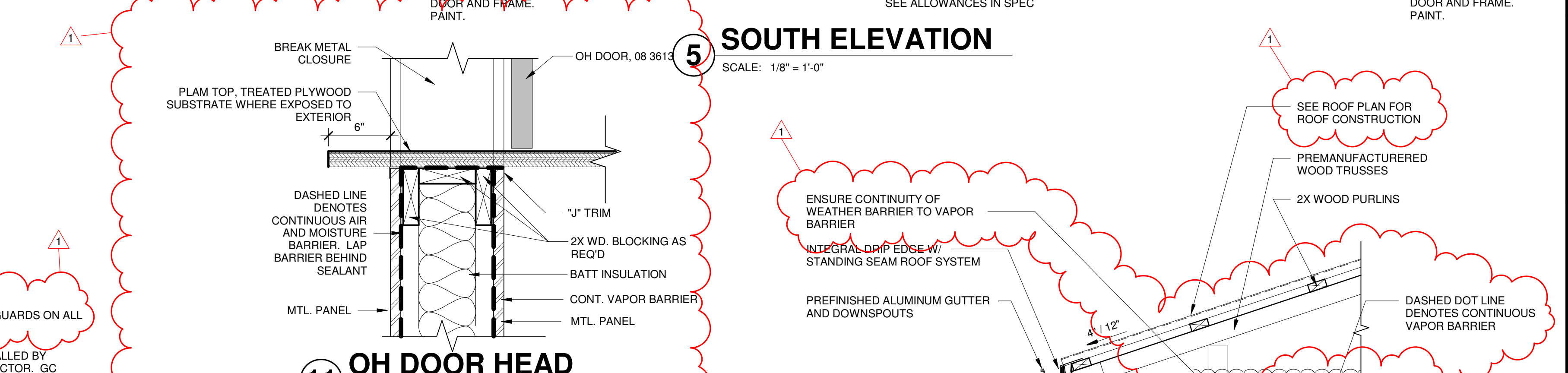
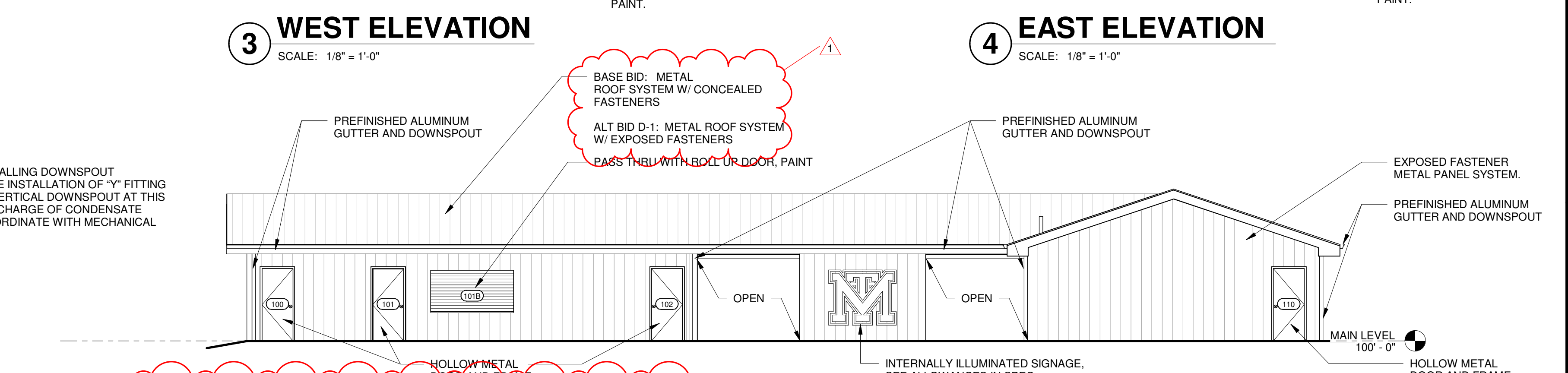
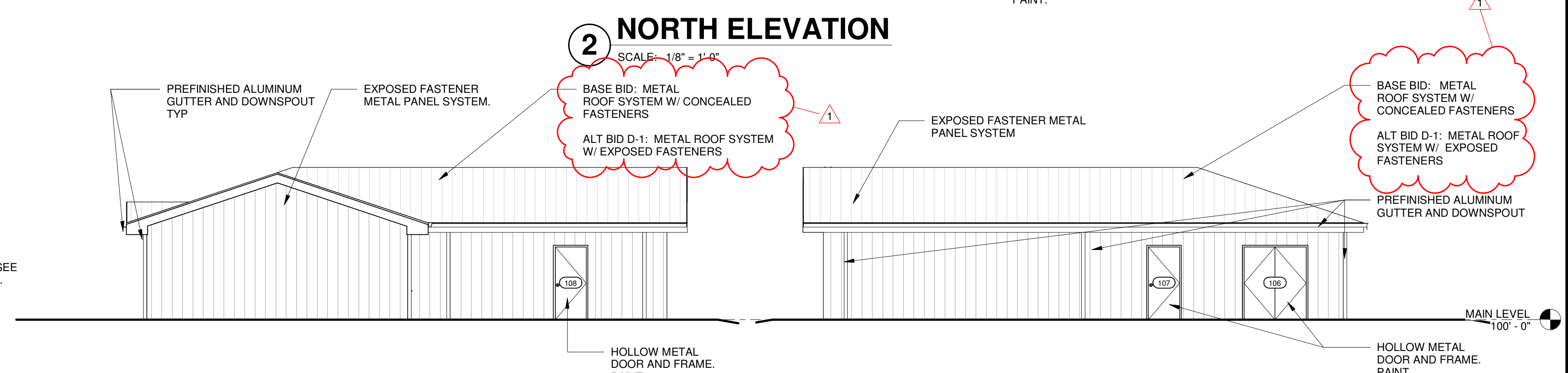
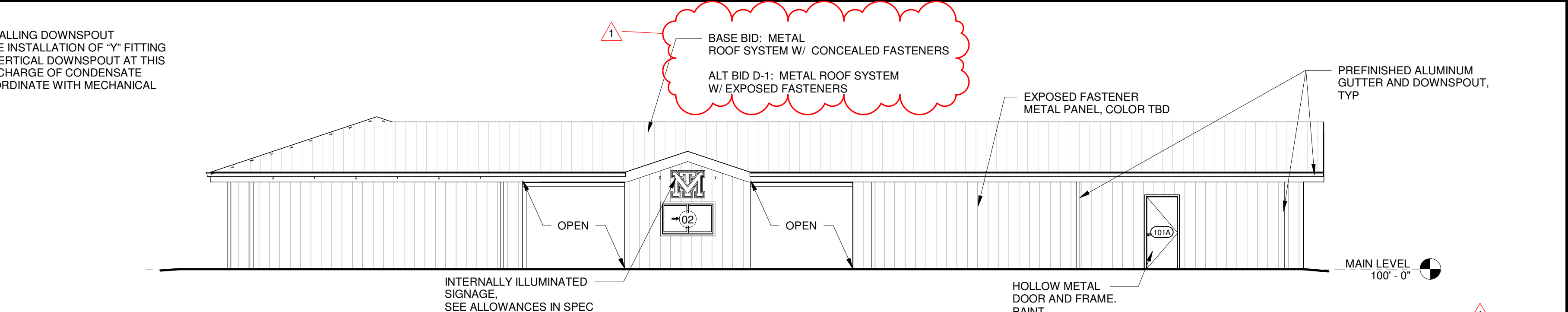
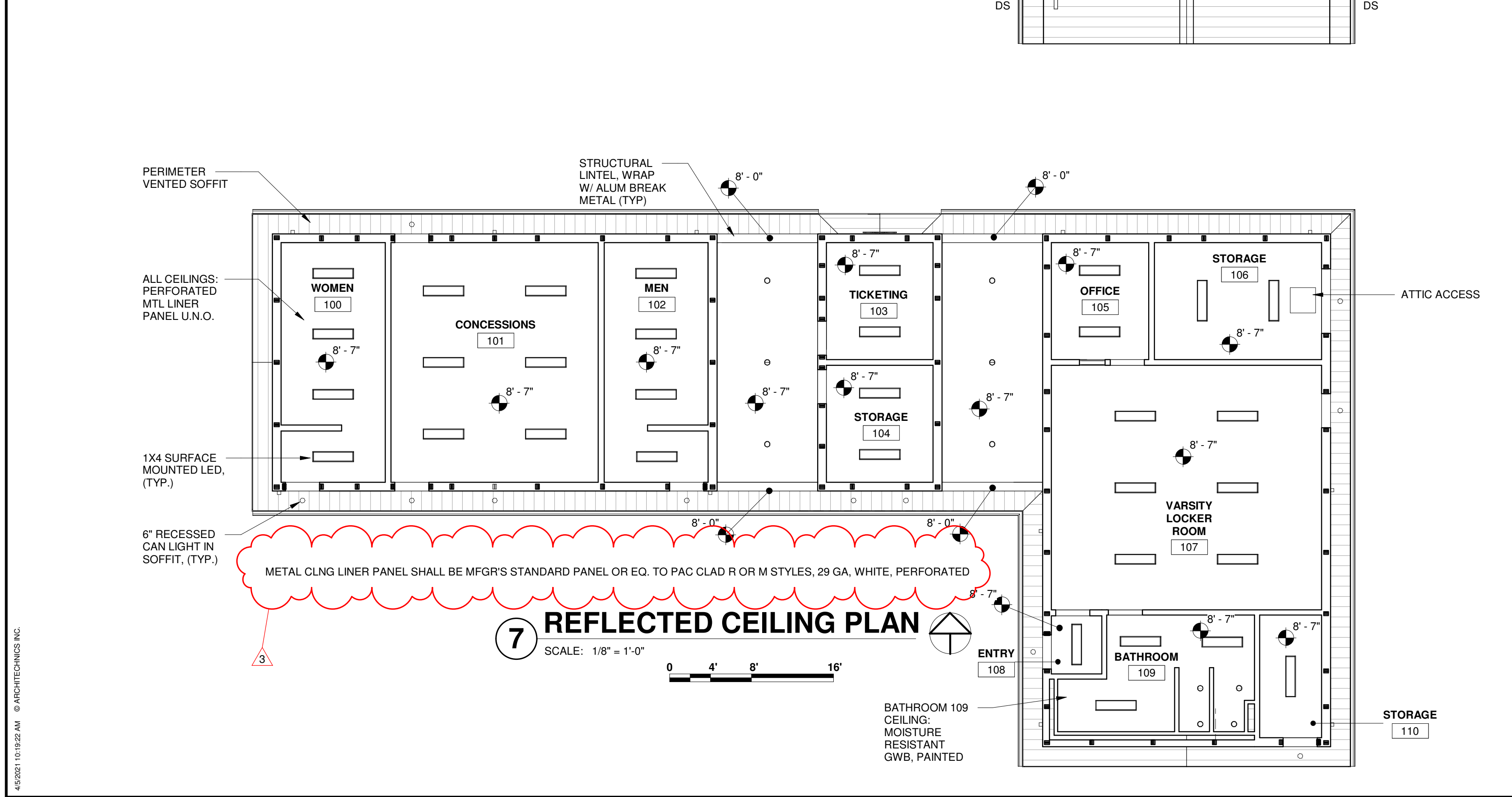
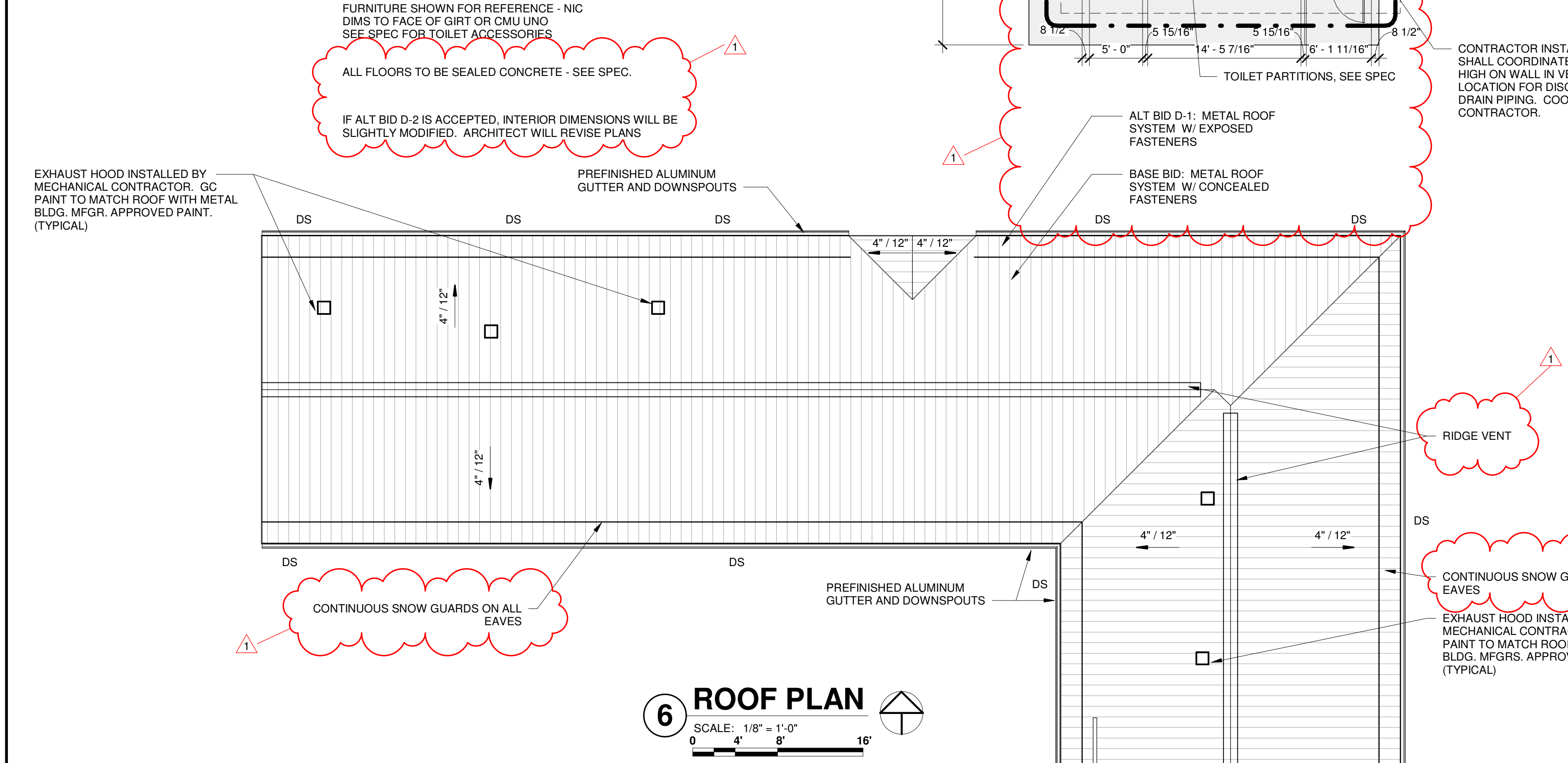
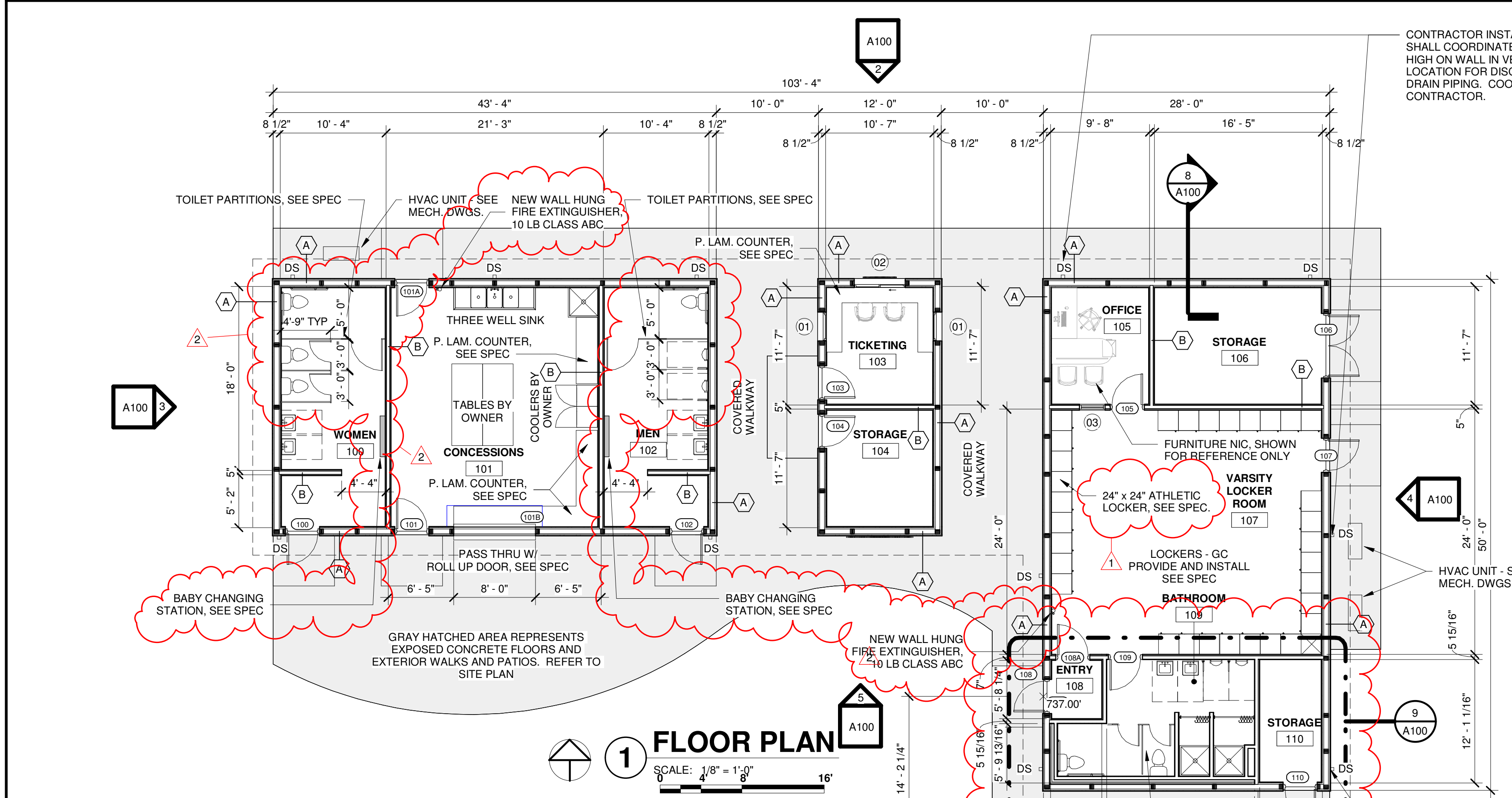


NEW FIELD BUILDING

21622 HIGHWAY 19
CENTER, MO 63436

NO

G000



ARCHITECTONICS

architects • engineers • interior designers

510 Wayne Drive, Suite 101, Liberty, MO 64034 • 816.634.1100 • info@architectonics.com

OWNER:

RALLS COUNTY R-II SCHOOL DISTRICT

21622 HIGHWAY 19 CENTER, MO 63436

RALLS COUNTY R-II SCHOOL DISTRICT

NEW FIELD BUILDING

21622 HIGHWAY 19 CENTER, MO 63436

BIDDING PHASE

NOT FOR CONSTRUCTION

ISSUE DATE: 03/05/21

REVISIONS

NO.	Date	Description
1	3/9/21	ADD 01
2	3/31/21	ADD 02
3	4/5/21	ADD 03

PROJECT NUMBER: 6003B

PLANS, ELEVATIONS AND DETAILS

DWG. NO.

A100

AG BUILDING ADDITION

RALLS COUNTY R-II SCHOOL DISTRICT

21622 HIGHWAY 19
CENTER, MO 63436

ISSUED FOR BIDDING
03/05/2021

ARCHITECT OF RECORD:

ARCHITECHNICS
architects • engineers • interior designers

CONTACT PERSON: JACQUES REYNOLDS
PROJECT NO. 5730
STATE OF MISSOURI
ENGINEERING DESIGN FIRM 2014009673
ARCHITECTURAL DESIGN FIRM 2014009673

APPLICABLE CODES

INTERNATIONAL BUILDING CODE 2015

GENERAL NOTES

- CONTRACTOR TO VERIFY ALL DIMENSIONS.
- ANY DISCREPANCIES BETWEEN STATED AND EXISTING CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT.
- DISCREPANCIES OR CONFLICTS BETWEEN SPECIFICATIONS AND DRAWINGS SHALL BE MADE KNOWN TO THE ARCHITECT FOR CLARIFICATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THOSE AREAS TO REMAIN UNDISTURBED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS, AS PER THE WRITTEN SPECIFICATIONS, TO MAINTAIN SAFETY AT THE CONSTRUCTION SITE, AND HE IS SOLELY RESPONSIBLE FOR SAFETY MEASURES. THE CONTRACTOR IS ALSO SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, AND TECHNIQUES REGARDING EXECUTION OF THE WORK.
- THE CONTRACTOR SHALL CONFORM TO ALL LOCAL AND STATE CODES AND RECEIVE LOCAL AND STATE APPROVAL WHERE NECESSARY PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS AND PAY ALL LEGAL FEES. HE SHALL ALSO COMPLY WITH ALL CITY, COUNTY, AND STATE BUILDING LAWS, ORDINANCES, OR REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE PREMISES OR ADJACENT PREMISES, OR INJURIES TO THE PUBLIC DURING THE CONSTRUCTION OF THE WORK, CAUSED BY HIMSELF, HIS SUBCONTRACTORS, OR THE CARELESSNESS OF ANY OF HIS EMPLOYEES.
- THE CONTRACTOR MUST UNDERSTAND THAT THE WORK IS ENTIRELY AT HIS RISK UNTIL SAME IS ACCEPTED, AND HE WILL BE HELD RESPONSIBLE FOR ITS SAFETY.
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY TEMPORARY MEASURES FOR THE PROTECTION OF THE WORK, INCLUDING BARRICADES, WARNING SIGNS, LIGHTS, ETC.

ALTERNATES

- ALTERNATE BID E-1: PROVIDE EXPOSED FASTENER METAL ROOFING SYSTEM IN LIEU OF STANDING SEAM METAL.
- ALTERNATE BID E-2: PROVIDE AND INSTALL AIR CONDITIONING FOR EXISTING SHOP.
- ALTERNATE BID E-3: PROVIDE AND INSTALL AIR CONDITIONING FOR NEW SHOP.
- ALTERNATE BID E-4: PROVIDE CONVENTIONAL STICK FRAMED CONSTRUCTION IN LIEU OF PRE-ENGINEERED WOOD FRAMED CONSTRUCTION.

INDEX OF DRAWINGS

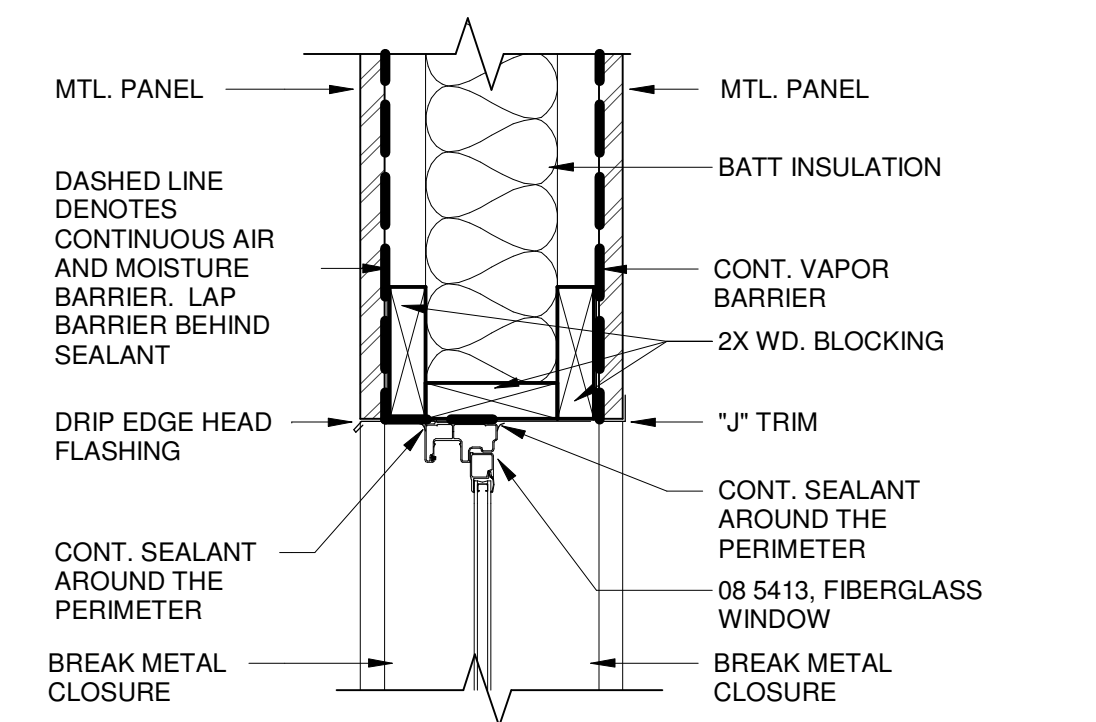
TITLE	TITLE
G000	SURVEY
G001	
CIVIL	
C100	SITE PLANS
STRUCTURAL	
S001	STRUCTURAL NOTES
S002	STRUCTURAL NOTES
S101	FOUNDATION PLAN
S102	ROOF FRAMING PLAN
S201	STRUCTURAL ELEVATIONS
S301	CONCRETE DETAILS
S302	FOUNDATION DETAILS
S401	FRAMING DETAILS
ARCHITECTURE	
A100	FLOOR PLAN, ROOF PLAN, R.C.P., DETAILS
A200	BUILDING ELEVATIONS
MECHANICAL	
MP100	MECHANICAL / PLUMBING PLAN
ELECTRICAL	
E000	ELECTRICAL DETAILS
E100	ELECTRICAL POWER PLAN
E101	HVAC POWER PLAN
E200	ELECTRICAL LIGHTING PLAN



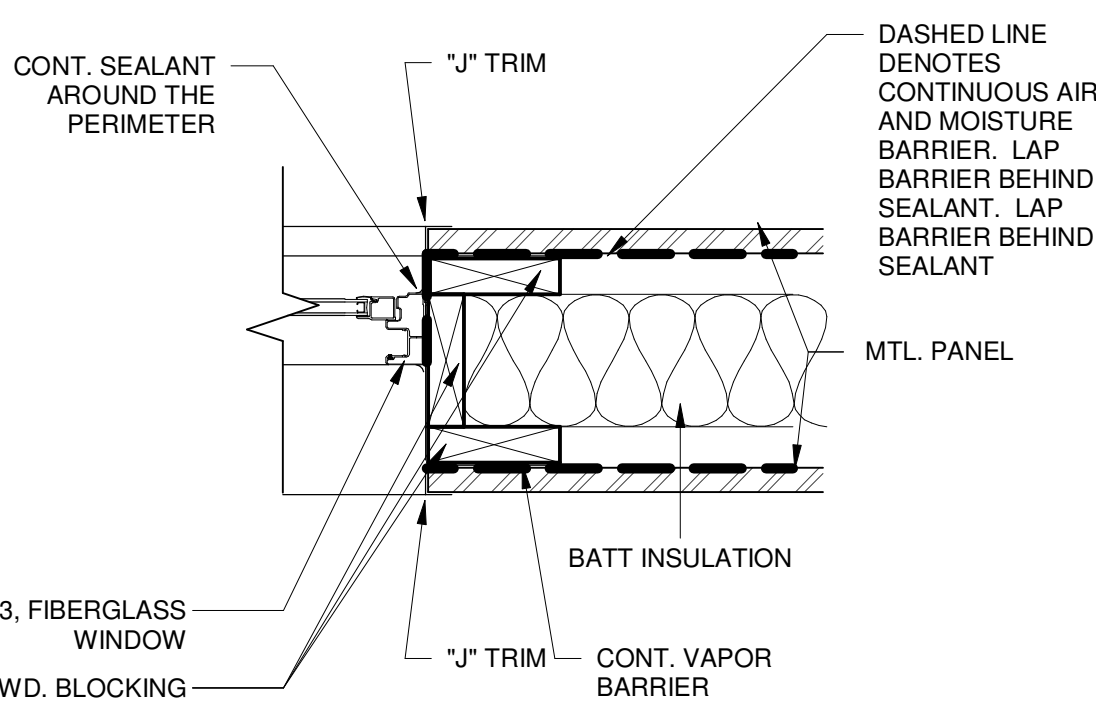
4 STATE OF MISSOURI
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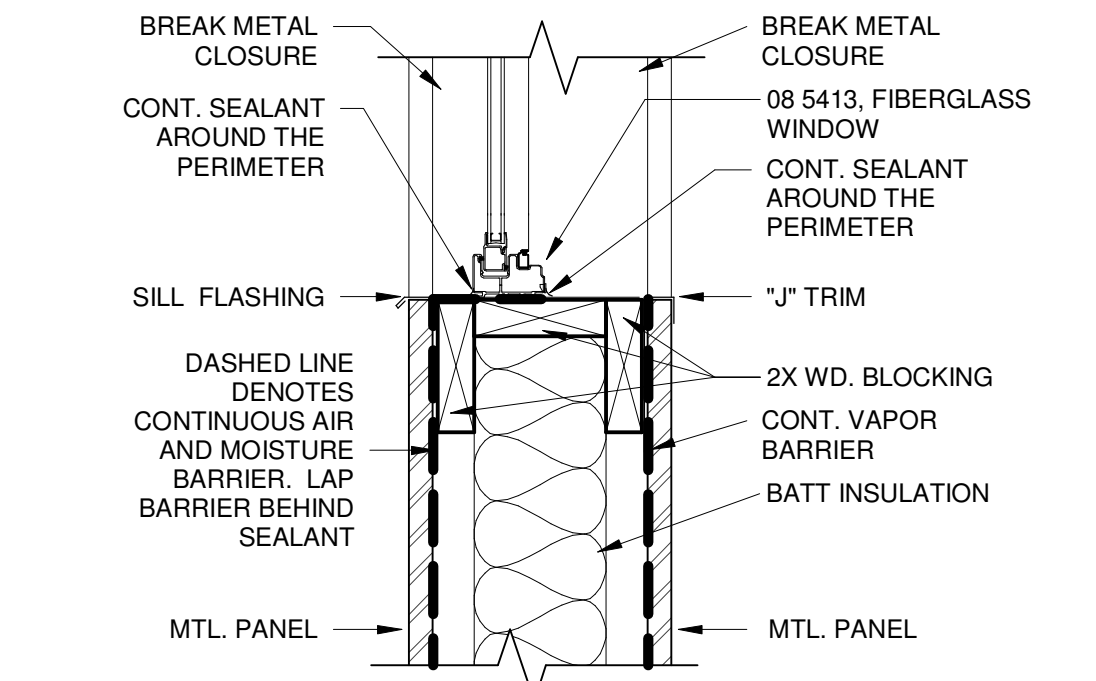
11 WINDOW SILL DETAIL
SCALE: 1 1/2" = 1'-0"



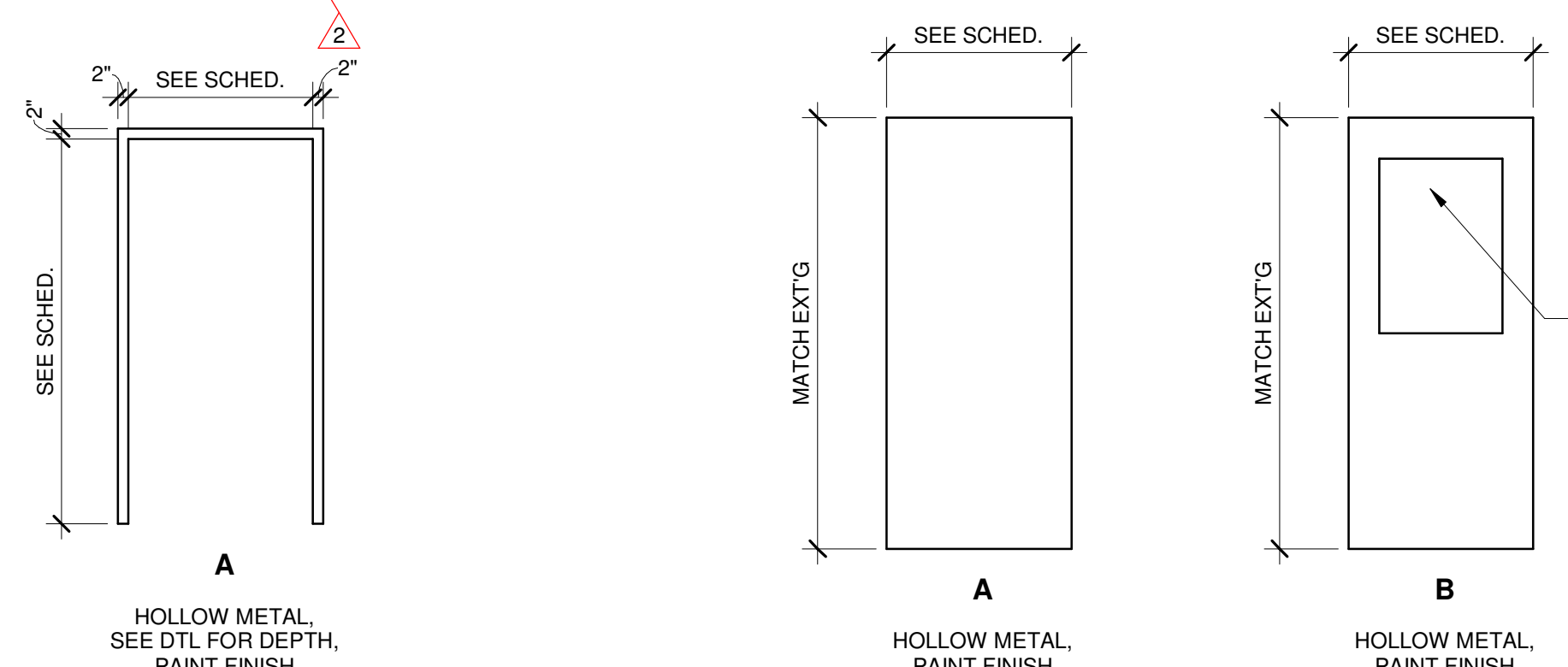
9 WINDOW HEAD
SCALE: 1 1/2" = 1'-0"



10 WINDOW JAMB
SCALE: 1 1/2" = 1'-0"



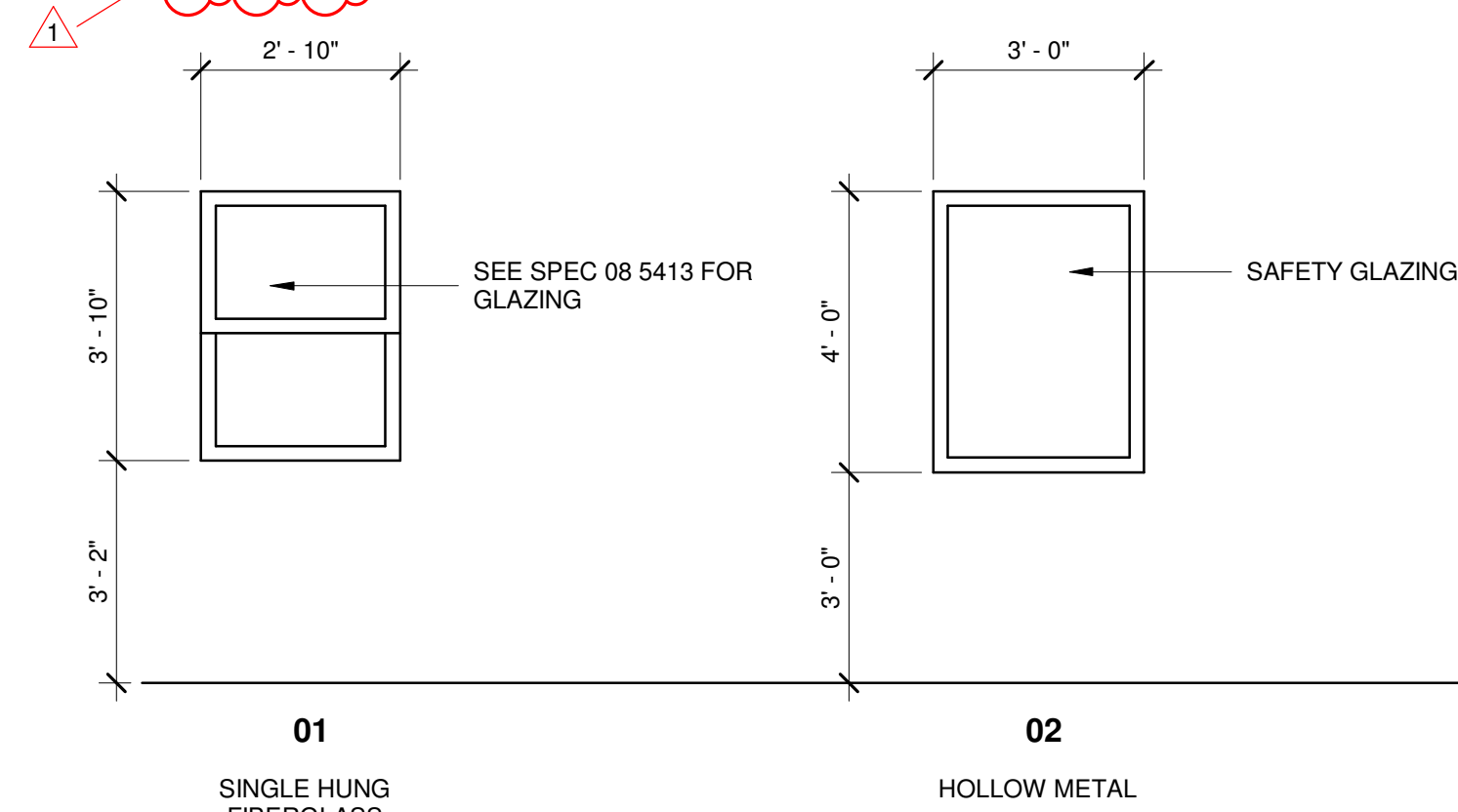
DOOR SCHEDULE													
WT	SIZE			DOOR			FRAME				THRESHOLD	HDWE. GROUP	REMARKS
	W.	HT.	TH.	MAT'L	FIN.	TYPE	MAT'L	FIN.	TYPE	HEAD	JAMB		
100	3'-0"	7'-0"	1 3/4"	HM	PAINT	2B/G000	HM	PAINT	1A/G000	5/G000	6/G000	SEE SPEC	01
100A	3'-0"	7'-0"	1 3/4"	HM	PAINT	2B/G000	HM	PAINT	1A/G000	5/G000	6/G000	SEE SPEC	01
100B	3'-0"	7'-0"	1 3/4"	HM	PAINT	2B/G000	HM	PAINT	1A/G000	5/G000	6/G000	N/A	02
101	6'-0"	7'-0"	1 3/4"	HM	PAINT	2A/G000	HM	PAINT	1A/G000	5/G000	6/G000	N/A	04
102	3'-0"	7'-0"	1 3/4"	HM	PAINT	2B/G000	HM	PAINT	1A/G000	5/G000	6/G000	N/A	02
103	3'-0"	7'-0"	1 3/4"	HM	PAINT	2B/G000	HM	PAINT	1A/G000	5/G000	6/G000	N/A	02
103A	6'-0"	7'-0"	1 3/4"	HM	PAINT	2A/G000	HM	PAINT	1A/G000	5/G000	6/G000	N/A	02
104	3'-0"	7'-0"	1 3/4"	HM	PAINT	2B/G000	HM	PAINT	1A/G000	5/G000	6/G000	N/A	03
105	3'-0"	7'-0"	1 3/4"	HM	PAINT	2A/G000	HM	PAINT	1A/G000	5/G000	6/G000	N/A	04
106	3'-0"	7'-0"	1 3/4"	HM	PAINT	2B/G000	HM	PAINT	1A/G000	5/G000	6/G000	SEE SPEC	02
106A	9'-0"	8'-0"	2"	SEE SPEC	PREFIN	SEE ELEV	BY MFG	PREFIN	BY MFG	7/G000	8/G000	N/A	SEE SPEC
106B	3'-0"	7'-0"	1 3/4"	HM	PAINT	2B/G000	HM	PAINT	1A/G000	5/G000	6/G000	SEE SPEC	01
106C	3'-0"	7'-0"	1 3/4"	HM	PAINT	2B/G000	HM	PAINT	1A/G000	5/G000	6/G000	N/A	02



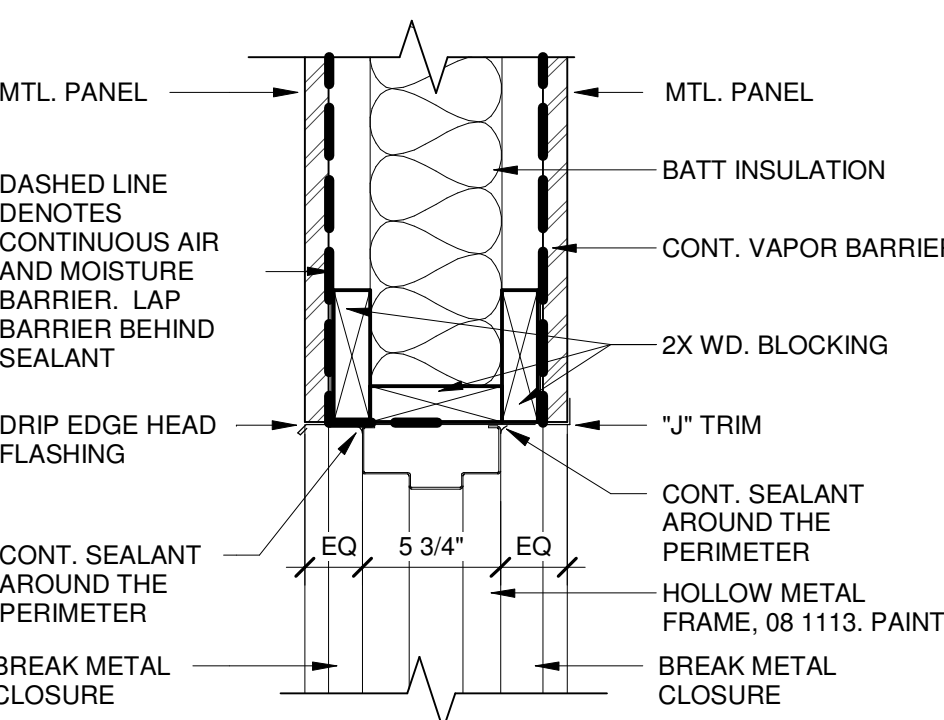
1 DOOR FRAME TYPES
SCALE: 3/8" = 1'-0"

2 DOOR TYPES
SCALE: 3/8" = 1'-0"

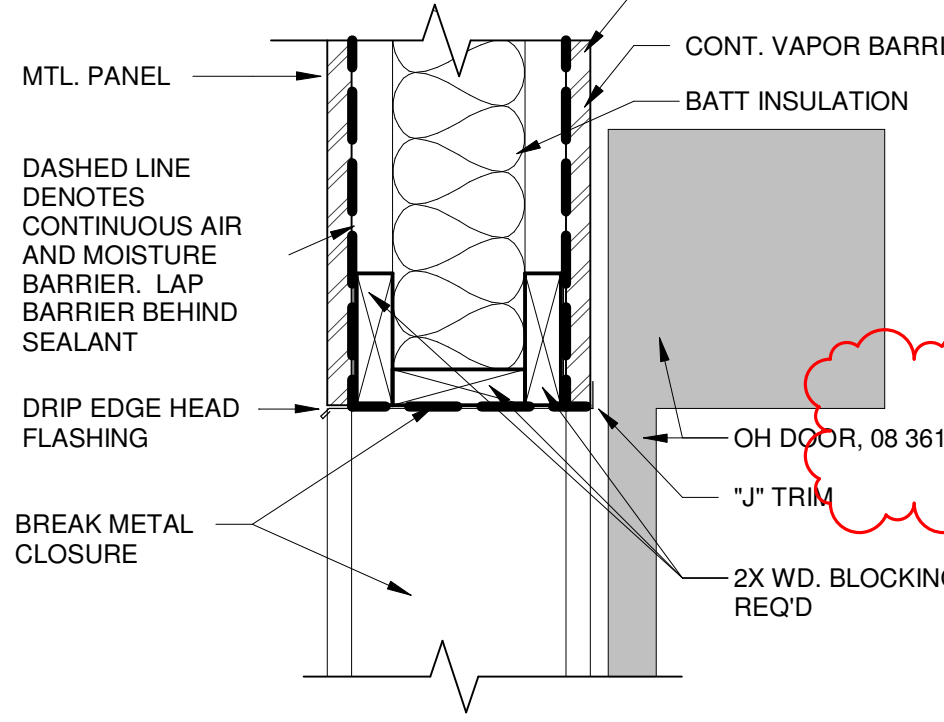
WINDOW SCHEDULE											
TYPE	R.O.		FINISH	HEAD	JAMB	SILL	Glazing	SILL HEIGHT	HEAD HEIGHT		COMMENTS
	WIDTH	HEIGHT					THICKNESS				
01	2'-10"	3'-10"	PREFIN	9/G000	10/G000	11/G000	see spec 08 5413	3'-2"	7'-0"		
01	2'-10"	3'-10"	PREFIN	9/G000	10/G000	11/G000	see spec 08 5413	3'-2"	7'-0"		
01	2'-10"	3'-10"	PREFIN	9/G000	10/G000	11/G000	see spec 08 5413	3'-2"	7'-0"		
01	2'-10"	3'-10"	PREFIN	9/G000	10/G000	11/G000	see spec 08 5413	3'-2"	7'-0"		
01	2'-10"	3'-10"	PREFIN	9/G000	10/G000	11/G000	see spec 08 5413	3'-2"	7'-0"		
01	2'-10"	3'-10"	PREFIN	9/G000	10/G000	11/G000	see spec 08 5413	3'-2"	7'-0"		
01	2'-10"	3'-10"	PREFIN	9/G000	10/G000	11/G000	see spec 08 5413	3'-2"	7'-0"		
01	2'-10"	3'-10"	PREFIN	9/G000	10/G000	11/G000	see spec 08 5413	3'-2"	7'-0"		
01	2'-10"	3'-10"	PREFIN	9/G000	10/G000	11/G000	see spec 08 5413	3'-2"	7'-0"		
02	3'-0"	4'-0"	PAINT	12/G000	12/G000 SIM	12/G000 SIM	see spec 08 8000	3'-2"	7'-2"		
02	3'-0"	4'-0"	PAINT	12/G000	12/G000 SIM	12/G000 SIM	see spec 08 8000	3'-2"	7'-2"		
02	3'-0"	4'-0"	PAINT	12/G000	12/G000 SIM	12/G000 SIM	see spec 08 8000	3'-2"	7'-2"		
02	3'-0"	4'-0"	PAINT	12/G000	12/G000 SIM	12/G000 SIM	see spec 08 8000	3'-0"	7'-0"		
02	3'-0"	4'-0"	PAINT	12/G000	12/G000 SIM	12/G000 SIM	see spec 08 8000	3'-0"	7'-0"		



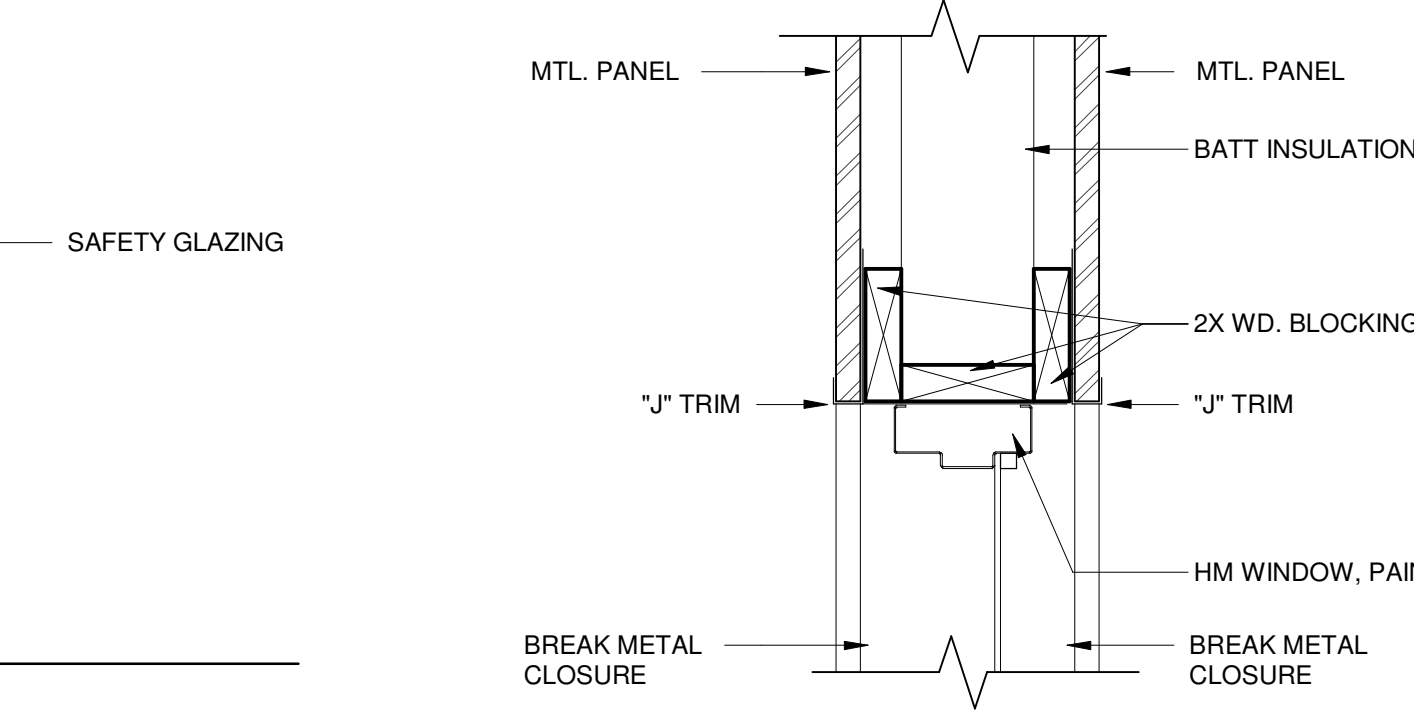
3 WINDOW TYPES
SCALE: 3/8" = 1'-0"



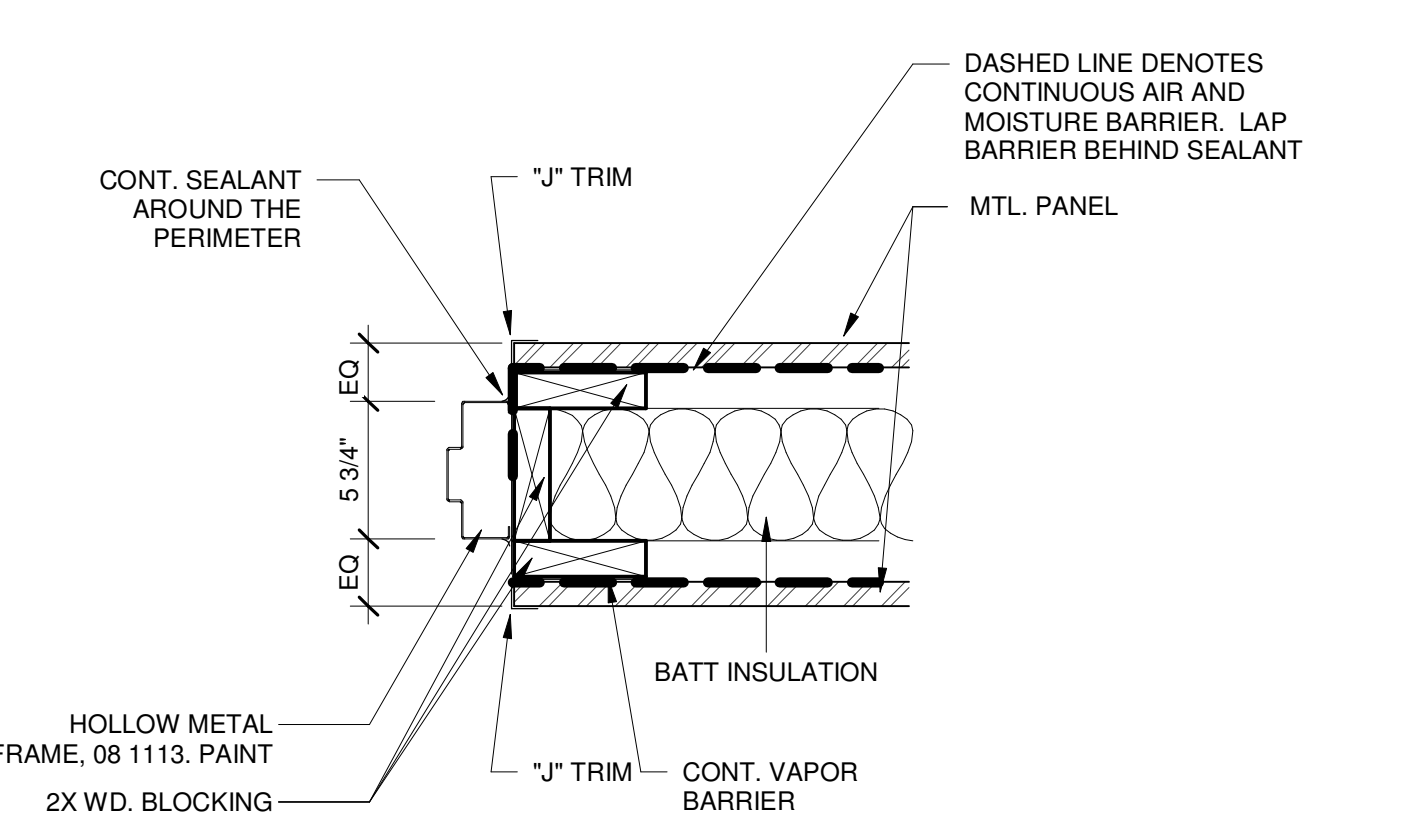
5 DOOR HEAD
SCALE: 1 1/2" = 1'-0"



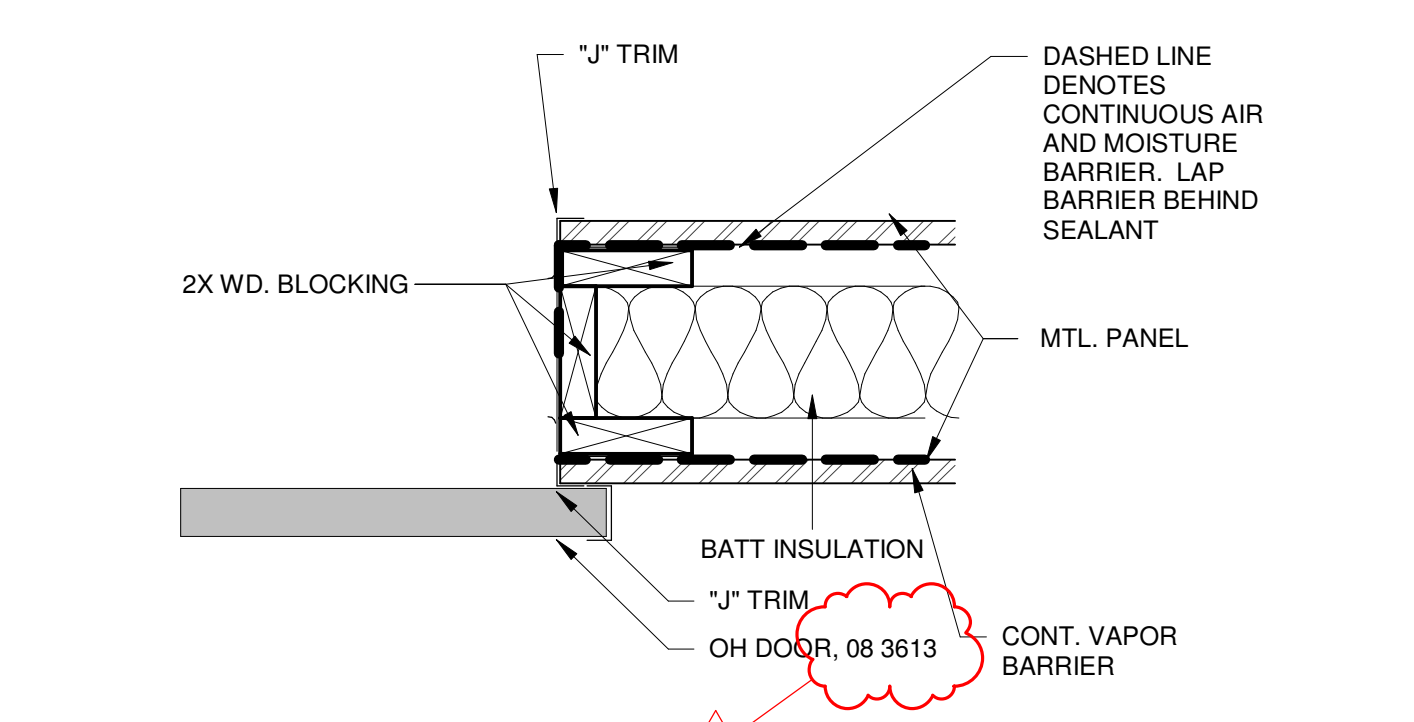
7 OH DOOR HEAD
SCALE: 1 1/2" = 1'-0"



12 WINDOW HEAD
SCALE: 1 1/2" = 1'-0"



6 DOOR JAMB
SCALE: 1 1/2" = 1'-0"



8 OH DOOR JAMB
SCALE: 1 1/2" = 1'-0"

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OWNER:
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SCHOOL DISTRICT
21622 HIGHWAY 19
CENTER, MO 63436



RALLS COUNTY R-II SCHOOL DISTRICT
AG BUILDING ADDITION
21622 HIGHWAY 19
CENTER, MO 63436

BIDDING PHASE

NOT FOR CONSTRUCTION

ISSUE DATE: 03/05/2021

REVISIONS

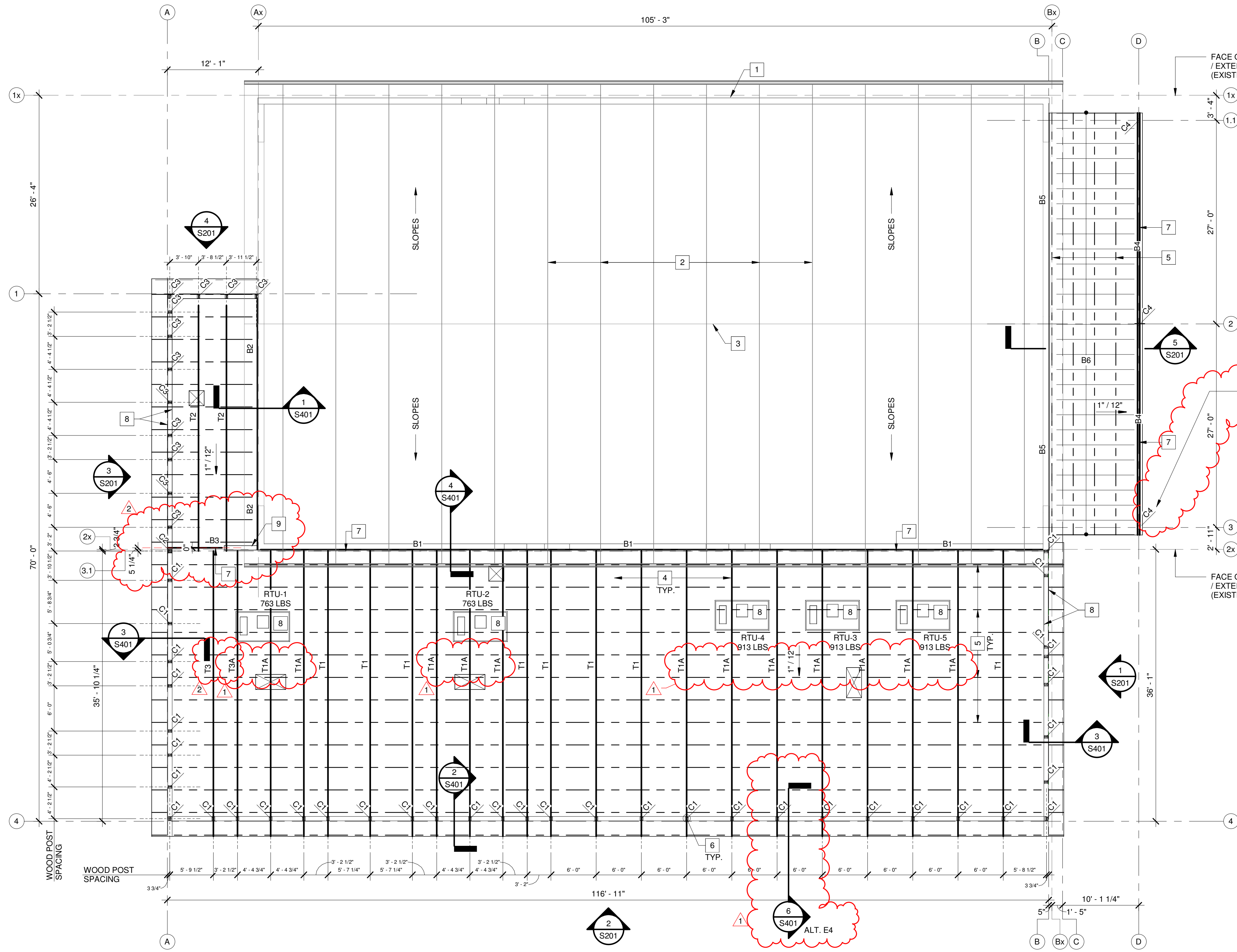
NO.	Date	Description
1	3/5/21	ADD 01
2	3/5/21	ADD 02
3	4/5/21	ADD 03

PROJECT NUMBER: 6036

TITLE

DWG. NO.

G000



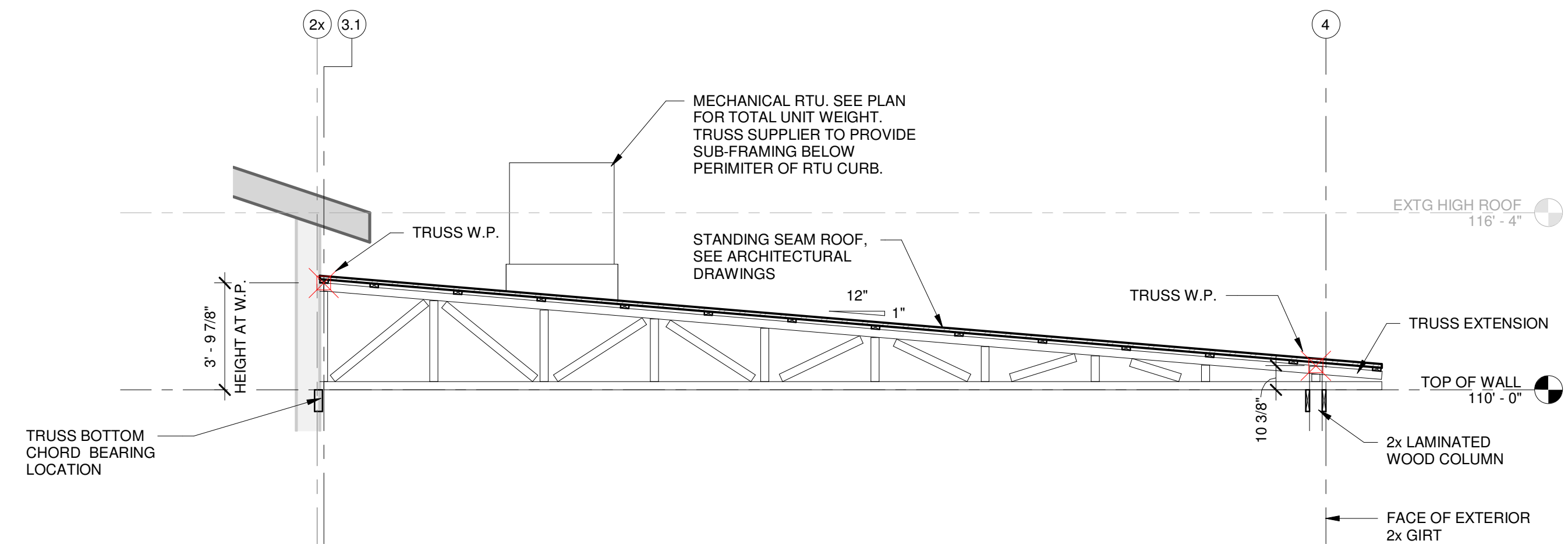
1 ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

KEYED NOTES STRUCTURAL - FRAMING

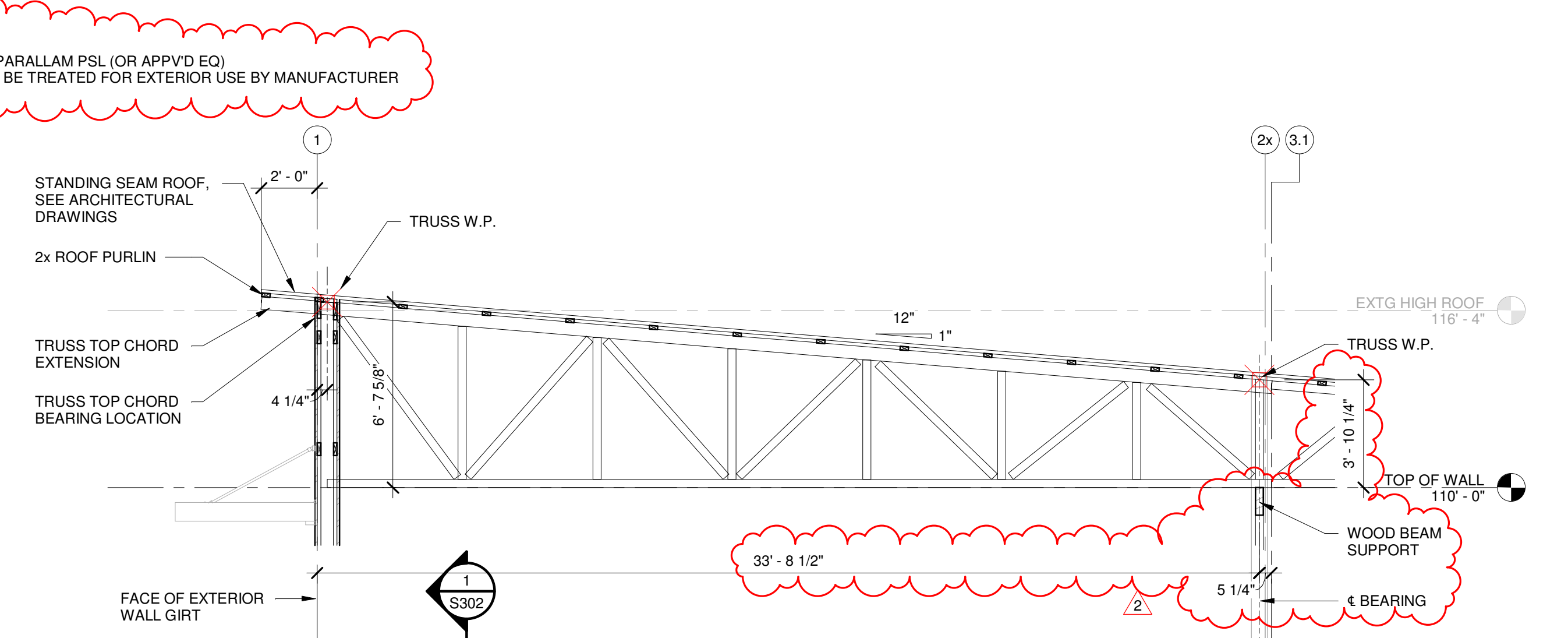
- EXISTING FRAME BUILDING STRUCTURE TO REMAIN.
- EXISTING METAL PLATE CONNECTED WOOD TRUSSES TO REMAIN.
- EXISTING ROOF RIDGE.
- NEW METAL PLATE CONNECTED WOOD TRUSSES. SEE PLAN FOR SPACING. SEE DETAILS FOR LOADING CONDITIONS.
- NEW 2x PURLIN FRAMING AT 3'-0" O.C. MAX. SPACING.
- NEW 2x LAMINATED WOOD COLUMN. FINAL DESIGN AND LOCATIONS TO BE PROVIDED BY FRAME BUILDING SUPPLIER (DELEGATED DESIGN).
- NEW WOOD BEAM FRAMING. SEE SCHEDULE FOR SIZE, ATTACHEMENT AND ADDITIONAL INFORMATION.
- NEW 2x RAKE FRAMING. 2x STUD BEARING WALL BELOW.

GENERAL NOTES

- TX - INDICATES METAL PLATE CONNECTED WOOD TRUSS SPACED AS INDICATED ON FRAMING PLAN. TRUSS DESIGN IS A DELEGATED DESIGN BY OTHERS. SEE DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- CX - INDICATES LAMINATED DIMENSIONAL COLUMN, FINAL SIZE BY FRAME BUILDING SUPPLIER.
- Bx - INDICATES WOOD BEAM. SEE SCHEDULE FOR SIZE AND ADDITIONAL INFORMATION.
- ALT E4: WALL FRAMING TO BE 2x6 (GR. NO. 1) @ 24" O.C. TYPICAL. PROVIDE SINGLE SILL PLATE AND DOUBLE TOP PLATE FOR TRUSS AND/OR RAKE FRAMING.



2 TRUSS ELEVATION - TYPE T1
SCALE: 1/4" = 1'-0"



3 TRUSS ELEVATION - TYPE T2
SCALE: 1/4" = 1'-0"

TRUSS LOADING SCHEDULE

TRUSS DESIGNATION	BOT. CHORD DL	BOT. CHORD LL	TOP CHORD DL	TOP CHORD RLL	TOP CHORD SL	TOP CHORD WL (+/-)	REMARKS
T1	8 PSF	--	10 PSF	20 PSF	20 PSF	**	SEE PLAN FOR TRUSS SPACING
T1A	8 PSF	--	10 PSF	20 PSF	20 PSF	**	SEE PLAN FOR TRUSS SPACING, SEE PLAN FOR MECHANICAL LOADING
T2	8 PSF	--	10 PSF	20 PSF	20 PSF	**	SEE PLAN FOR TRUSS SPACING

NOTES:

- * - INDICATES TRUSS SELFWEIGHT NOT INCLUDED IN APPLIED DEAD LOAD. TRUSS SELFWEIGHT SHALL BE ACCOUNTED FOR BY TRUSS DESIGNER.
- ** - INDICATES APPLIED COMPONENT WIND LOAD, SEE WIND LOAD DIAGRAMS AND SCHEDULE FOR ADDITIONAL INFORMATION.
- SEE PLAN FOR TRUSS SPACING.

4 ROOF TRUSS LOADING SCHEDULE
SCALE: 12" = 1'-0"

REVISIONS		
NO.	Date	Description
1	3/5/21	ADD 01
2	3/31/21	ADD 02
3	4/5/21	ADD 03
		IN 3

OWNER:
BALLS COUNTY R-1
SCHOOL DISTRICT
21622 HIGHWAY 19
CENTER, MO 63436

RALLS COUNTY R-1 SCHOOL DISTRICT
AG BUILDING ADDITION

21622 HIGHWAY 19
CENTER, MO 63436

BIDDING PHASE

NOT FOR
CONSTRUCTION

ISSUE DATE: 03/05/2021

REVISIONS

NO.	Date	Description
3	4-5-21	ADD 03
4	4-5-21	ADD 03
5	4-5-21	ADD 03
6	4-5-21	ADD 03
7	4-5-21	ADD 03
8	4-5-21	ADD 03
9	4-5-21	ADD 03
10	4-5-21	ADD 03
11	4-5-21	ADD 03
12	4-5-21	ADD 03
13	4-5-21	ADD 03
14	4-5-21	ADD 03
15	4-5-21	ADD 03
16	4-5-21	ADD 03

PROJECT NUMBER: 6036

MECHANICAL/
PLUMBING
PLAN

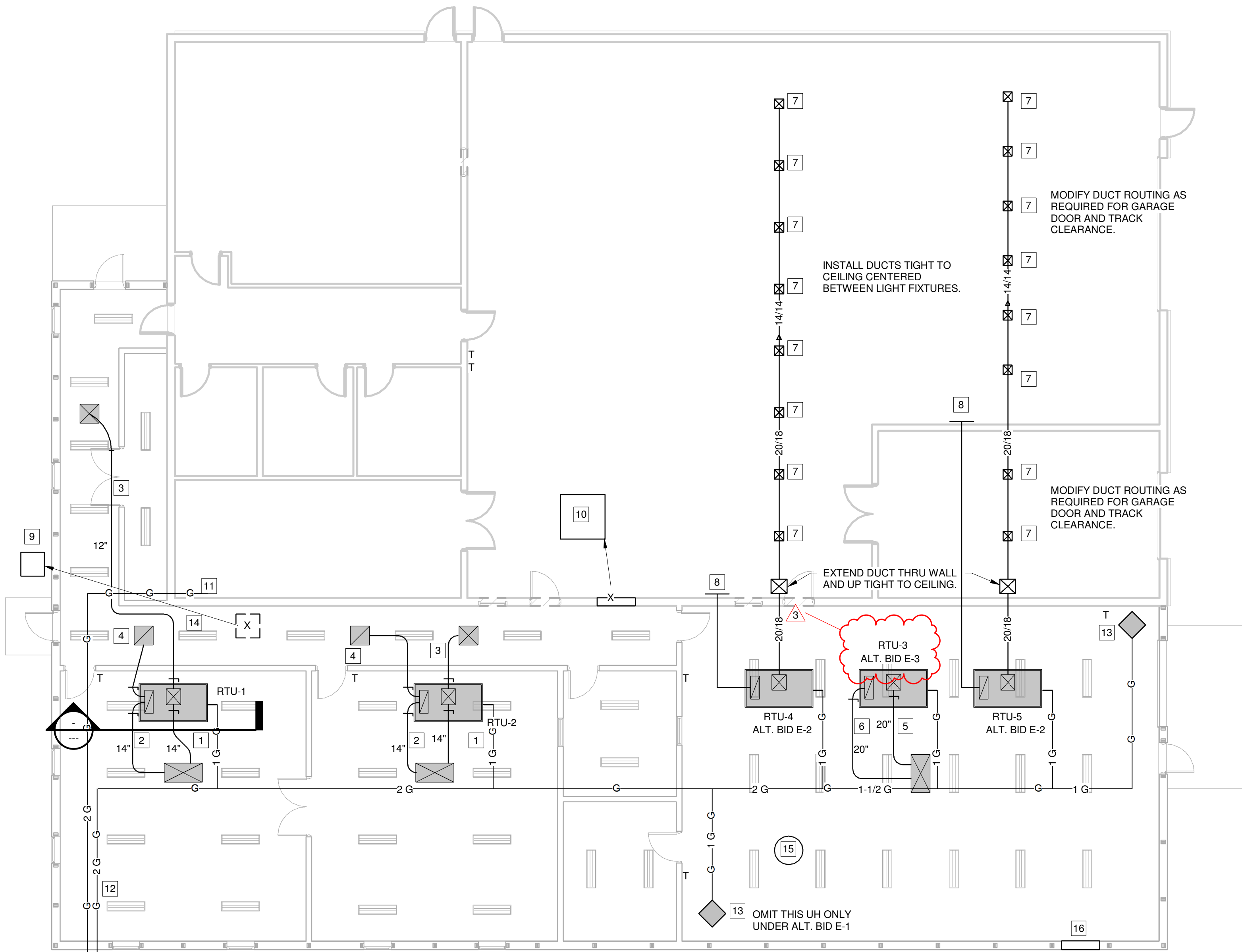
DWG. NO.

MP100

RTU-1, 2
LENNOX OR EQUAL LGH036H4E
240V, SINGLE PHASE, 24 MCA
1200 CFM
36 MBH DX COOLING
70 MBH, 2 STAGE GAS HEAT
ENTHALPY ECONOMIZER
CO2 SENSOR FOR DEMAND CONTROL VENTILATION
WIFI THERMOSTAT
STEP DOWN CONCENTRIC DIFFUSER KIT
FACTORY DISCONNECT
CONVENIENCE OUTLET ON RTU-2 WIRED BY ELECTRICAL CONTRACTOR
HAIL GUARDS
14" COMPENSATING ROOF CURB FOR 1 1/2" PITCH
INSTALL FULL SIZE SA/RA DUCT DOWN FROM UNIT WITH FLEX CONNECTION

RTU-3 - ALT. BID E-1
LENNOX OR EQUAL LGH060H4E
240V, SINGLE PHASE, 41 MCA
2000 CFM
FACTORY RA SMOKE DETECTOR
60 MBH DX COOLING
108 MBH, 2 STAGE GAS HEAT
ENTHALPY ECONOMIZER
CO2 SENSOR FOR DEMAND CONTROL VENTILATION
WIFI THERMOSTAT
STEP DOWN CONCENTRIC DIFFUSER KIT
FACTORY DISCONNECT
CONVENIENCE OUTLET WIRED BY ELECTRICAL CONTRACTOR
HAIL GUARDS
14" COMPENSATING ROOF CURB FOR 1 1/2" PITCH
INSTALL FULL SIZE SA/RA DUCT DOWN FROM UNIT WITH FLEX CONNECTION

RTU-4, 5 - ALT. BID E-2
LENNOX OR EQUAL LGH060H4E
240V, SINGLE PHASE, 41 MCA
2000 CFM
FACTORY RA SMOKE DETECTOR
60 MBH DX COOLING
108 MBH, 2 STAGE GAS HEAT
ENTHALPY ECONOMIZER
CO2 SENSOR FOR DEMAND CONTROL VENTILATION
WIFI THERMOSTAT
FACTORY DISCONNECT
CONVENIENCE OUTLET ON RTU-4 WIRED BY ELECTRICAL CONTRACTOR
HAIL GUARDS
14" COMPENSATING ROOF CURB FOR 1 1/2" PITCH
INSTALL FULL SIZE SA/RA DUCT DOWN FROM UNIT WITH FLEX CONNECTION



KEYED NOTES MECHANICAL

- EXTEND 14" RIGID SA DUCT WITH DAMPER FROM RTU OVER TO CONCENTRIC DIFFUSER KIT.
- EXTEND 14" RIGID RA DUCT WITH DAMPER FROM RTU OVER TO CONCENTRIC DIFFUSER KIT.
- EXTEND 12" RIGID SA DUCT WITH DAMPER FROM RTU OVER TO 24/24 ALUMINUM SA DIFFUSER WITH 12" DUCT CONNECTION, 2 WAY THROW. BALANCE TO 400 CFM. BALANCE TO 400 CFM.
- EXTEND 12" RIGID RA DUCT WITH DAMPER FROM RTU OVER TO 24/24 EGG ORATE GRILLE WITH 12" DUCT CONNECTION.
- EXTEND 20" RIGID SA DUCT WITH DAMPER FROM RTU OVER TO CONCENTRIC DIFFUSER KIT.
- EXTEND 20" RIGID RA DUCT WITH DAMPER FROM RTU OVER TO CONCENTRIC DIFFUSER KIT.
- INSTALL 10/10 ALUMINUM SA DIFFUSER WITH INTEGRAL DAMPER ON BOTTOM OF DUCT.
- INSTALL 30/12 ALUMINUM RA GRILLE IN WALL. CLEAR OF CONDUITS, ETC.
- MODIFY EXISTING REFRIGERANT PIPING, CONTROL WIRING, ETC AS REQUIRED AND RELOCATE EXISTING CONDENSING UNIT AND BASE TO NEW LOCATION SHOWN. COORDINATE WITH ELECTRICAL CONTRACTOR.
- RELOCATE EXISTING WALL LOUVER AND DAMPER TO CEILING CENTERED BETWEEN EXISTING LIGHT FIXTURES. EXTEND 48/48 DUCT UP AND TRANSITION TO 30/30 DUCT UP TO NEW VENT PRODUCTS 6200 SERIES OR EQUAL INTAKE HOOD WITH 30/30 THROAT, PAINT GRIP FINISH, AND 24" ROOF CURB. COORDINATE WITH ROOFING AND ELECTRICAL CONTRACTORS.
- EXTEND NEW 2" GAS PIPING FROM NEW REGULATOR UP ON WALL AND CONCEALED ACROSS ATTIC AND CONNECT TO EXISTING GAS PIPING IN EXISTING BUILDING.
- EXTEND NEW 2" GAS PIPING FROM NEW REGULATOR UP ON WALL AND CONCEALED ACROSS ATTIC AND CONNECT TO NEW EQUIPMENT AS SHOWN.
- INSTALL NEW LENNOX OR EQUAL LP25-075 GAS UNIT HEATER WITH CEILING BRACKET AND REMOTE THERMOSTAT. EXTEND VENT PIPNG THRU EXTERIOR WALL AND TERMINATE WITH WALL CAP.
- MODIFY EXISTING PIPING AS REQUIRED AND INSTALL NEW BRASS PLUMBING CLEANOUT IN NEW FINISH FLOOR. COORDIANTE WITH GC.
- INSTALL NEW TWIN CITY OR EQUAL DCRD1808 EXHAUST FAN ON 14" COMPENSATING ROOF CURB. 3000 CFM, 120V, 1 HP, WITH BACKDRAFT DAMPER, BIRD SCREEN, SPEED CONTROLLER, AND DISCONNECT. INTERCONNECT WITH WALL LOUVER AUTO DAMPER (NOTE 16) OPERATION.
- INSTALL NEW AIR BALANCE OR EQUAL 46W" X 54"H A435 ALUMINUM LOUVER WITH WALL SLEEVE FOR 12" WALL AND BIRD SCREEN. INCLUDE A651 MOTORIZED DAMPER WITH PROVING SWITCH AND CONNECT TO EXHAUST FAN OPERATION.

1 MECHANICAL/PLUMBING PLAN

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

