



**HARTMANN
ARCHITECTURE
STUDIO**

Architect's Supplemental Instructions

PROJECT: *(name and address)*

Fort Huachuca
Ground Transport Eqpm Bldg
Corner of Arizona St. & Hunt St.
Fort Huachuca, AZ

CONTRACT INFORMATION:

Contract for: Fort Huachuca-New Ground Transport Eqpm Bldg
Date: 01/12/2022
ASI Number: 01
ASI Date: 08/26/2022

OWNER: *(name and address)*

US Army Corps of Engineers
Los Angeles District
915 Wilshire Blvd.
Los Angeles, CA 90017

ARCHITECT: *(name and address)*

Hartmann Architecture Studio
430 S. Carrillo Rd.
Ojai, CA 93023

CONTRACTOR: *(name and address)*

AMG & Associates, Inc.
26535 Summit Circle
Santa Clarita, CA 91350

The Contractor shall carry out the Work in accordance with the following supplemental instructions without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgment that there will be no change in the Contract Sum or Contract Time.

(Insert a detailed description of the Architect's supplemental instructions and, if applicable, attach or reference specific exhibits.)

1. G.000
 - a. Updated Applicable Codes.
2. A.002
 - a. Removed gypsum sheathing product specifications. Added specifications for air and water barrier and fire-retardant plywood.
3. A.101
 - a. Revised wall schedule.
 - b. Added wall type 5 at lavatory.
 - c. Added detail references and dimensions along grid lines 1 and 6.

ISSUED BY THE ARCHITECT:

Hartmann Architecture Studio

ARCHITECT *(Firm name)*

SIGNATURE

Martin Hartmann, AIA, Architect

PRINTED NAME AND TITLE

08/26/2022

DATE

Architect's Supplemental Instructions cont'd



**HARTMANN
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4. A.102
 - a. Revised wall schedule.
 - b. Changed exterior walls to wall type 6.
5. A.103
 - a. Revised wall schedule.
 - b. Changed exterior walls to wall type 6.
6. A.104
 - a. Added downspouts and sizes.
 - b. Revised size of gutters.
 - c. Added expansion joints.
 - d. Revised roof material legend.
7. A.105
 - a. Added steel channel openings for mechanical ventilation.
8. A.201
 - a. Added detail 4.
9. A.203
 - a. Added detail 3.
10. A.304
 - a. Revised and added Z girts.
 - b. Added cove base detail reference.
 - c. Revised concrete cap detail reference.
11. A.305
 - a. Revised and added Z girts.
12. A.401
 - a. Removed/relocated details.
 - b. Added detail 7: typical cove base and curb.
 - c. Added detail 5: seismic joint at exterior cmu.

Architect's Supplemental Instructions cont'd



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- d. Added detail 6: seismic joint at interior door.
- e. Revised detail 3: gutter and eave detail.
- f. Revised detail 2: gable detail.

Note: Delta 1 and Delta 2 revisions are part of RFI responses and not listed herein but are represented in the documents and RFI responses.

GENERAL PROJECT NOTES

1. ALL WORK SHALL CONFORM TO THE 2021 EDITION INTERNATIONAL BUILDING CODE.
2. THE DRAWINGS AND SPECIFICATIONS AND ALL COPIES THEREOF, ARE LEGAL INSTRUMENTS OF SERVICE FOR THE USE OF THE OWNER AND AUTHORIZED REPRESENTATIVE ON THE DESIGNATED PROPERTY ONLY. OTHER USE, WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE ARCHITECT, IS PROHIBITED.
3. SPECIFICATIONS, DETAILS AND SCHEDULES WHICH MAY BE BOUND SEPARATELY, ARE PART OF THESE CONTRACT DOCUMENTS. DRAWINGS BY SEPARATELY CONTRACTED CONSULTING PROFESSIONALS (SUCH AS STRUCTURAL, INTERIORS OR LANDSCAPE) ARE SUPPLEMENTARY TO THE DESIGN DRAWINGS AND ARE PART OF THESE CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF INFORMATION IS NOT SHOWN OR IS UNCLEAR. REPORT APPARENT DISCREPANCIES ON DRAWINGS AND/OR SPECIFICATIONS TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVAL FOR ALL WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING THE WORK FOR ALL UTILITIES AND SERVICES.
7. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. QUESTIONS REGARDING THE SAME, OR THEIR EXACT MEANING, SHALL BE DIRECTED TO THE ARCHITECT.
8. EXISTING CONDITIONS: CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS DESIGNATED AS, OR REQUIRED TO, INTERFACE WITH NEW CONSTRUCTION. REPORT ANY DISCREPANCIES, DEFICIENCIES, OR CONDITIONS INCOMPATIBLE WITH PROPOSED CONSTRUCTION PRIOR TO PROCEEDING.
9. IT IS THE RESPONSIBILITY OF THE G.C. TO INSTALL ALL TEMPORARY BRACING AND SHORING TO ENSURE THE SAFETY OF THE WORK UNTIL IT IS IN ITS COMPLETED FORM. DO NOT REMOVE EXISTING STRUCTURAL SUPPORTS OR BEARING WALLS WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT OR STRUCTURAL ENGINEER.
10. DIMENSIONS/ NOTES/ DETAILS: DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD, AND IMMEDIATELY REPORT ANY DISCREPANCIES OR EXISTING AND PROPOSED VARIATIONS TO THE ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND COORDINATING DIMENSIONS. ALL WRITTEN DIMENSIONS TO TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS, AND DETAILS. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY GENERAL NOTES OR DETAILS. CONDITIONS NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED AS SIMILAR CONDITIONS DETAILED AND/OR INDICATED ON THE DRAWINGS. ANY WORK INSTALLED IN CONFLICT WITH THE DESIGN DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE.
11. ALL EXTERIOR DIMENSIONS ARE TO ASSUMED FACE OF PLYWOOD SHEATHING OR FACE OF MASONRY UNO. INTERIOR DIMENSIONS ARE TO FACE OF GYPSUM BOARD FINISH OR CENTERLINE OF WALL UNO.
12. ONLY APPROVED WORKING DRAWINGS, WITH THE STATEMENT "APPROVED DRAWINGS", ARE TO BE USED FOR CONSTRUCTION OF THIS PROJECT. CONTRACTORS USING OTHER THAN APPROVED DRAWINGS ARE SOLELY RESPONSIBLE FOR SUCH WORK.
13. GEOTECHNICAL REPORTS ARE NOT INCLUDED IN THE CONTRACT DOCUMENTS, BUT MAY BE MADE AVAILABLE TO THE CONTRACTOR FOR INFORMATION ONLY. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY CONCLUSIONS THE CONTRACTOR MAY DRAW FROM SUCH INFORMATION. THE CONTRACTOR SHALL INVESTIGATE AND DETERMINE EXISTING SOILS AND SITE CONDITIONS UNDER WHICH CONTRACTOR WILL OPERATE IN PERFORMING THE WORK.
14. THE CONTRACTOR IS TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF DEMOLITION AND CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THE REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL RESTRICT GENERAL PUBLIC ACCESS TO THE DEMOLITION, CONSTRUCTION, AND STORAGE AREAS.
15. HAZARDOUS MATERIALS ARE NOT TO BE STORED IN THE BUILDING, NOR USED IN CONSTRUCTION, IN QUANTITIES EXCEEDING THOSE SPECIFIED IN THE IBC.
16. DURING DEMOLITION AND CONSTRUCTION THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE EXISTENCE AND PRECISE LOCATION OF UNDERGROUND PIPING AND OTHER STRUCTURES WHICH MAY BE AFFECTED BY CONSTRUCTION. PROMPTLY NOTIFY EACH UTILITY COMPANY, MUNICIPALITY, OR OTHER AGENCY OWNING OR OPERATING ANY AFFECTED FACILITIES OR STRUCTURES, AND REQUEST ENGINEERING INFORMATION AND MARKING OF FACILITIES IN FIELD, PRIOR TO COMMENCING ANY WORK ON THE SITE. REMOVE ALL ITEMS SPECIFIED TO BE ABANDONED, AND TAKE CARE TO PREVENT ANY DAMAGE TO, OR DISRUPTION OF, ITEMS TO REMAIN.
17. WHERE FIRE-RATED WALL OR CEILING ASSEMBLIES ARE PENETRATED BY RECESSED FIXTURES, MECHANICAL DUCTS, OR OTHER ITEMS, THE FIXTURES, DUCTS, OR OTHER ITEMS SHALL BE FIRE-RATED TO MATCH THE WALL OR CEILING ASSEMBLY.
18. U.N.O. ALL EXTERIOR DOORS SHALL LIMIT AIR INFILTRATION WHEN IN CLOSED POSITION AS FOLLOWS: PROVIDE WEATHERSTRIPPING AT HEAD, SILL AND JAMBS. INSTALL ASTRAGAL AT MEETING PORTION OF DOUBLE DOORS. DOORS REQUIRING VERTICAL TRACKS OR GUIDES SHALL USE CONTINUOUS MOUNTING ANGLE, AND SHALL BE SEALED TO LIMIT AIR LEAKAGE.
19. CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BLOCKING, BACKING, HANGERS, BACK-UP PLATES, AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, TOILET ROOM ACCESSORIES, FIXTURES, PARTITIONS, AND ALL WALL MOUNTED OR SUSPENDED MECHANICAL, KITCHEN, ELECTRICAL OR MISCELLANEOUS EQUIPMENT AND FURNISHING.
20. CONTRACTOR SHALL VERIFY EXACT SIZES AND LOCATIONS OF ALL MECHANICAL EQUIPMENT PADS, BASE STRUCTURES, ROOF OPENINGS, AS WELL AS POWER, WATER, DRAIN INSTALLATIONS AND STRUCTURAL STEEL SUPPORT LOCATIONS, WHEN APPLICABLE, WITH EQUIPMENT MANUFACTURERS BEFORE PROCEEDING WITH THE WORK. CHANGES TO ACCOMMODATE FIELD CONDITIONS OR APPROVED SUBSTITUTIONS SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.
21. ALL PIPES, CONDUIT, WIRES, AND DUCTS SHALL BE CONCEALED FROM VIEW UNO.
22. ALL GLAZING INSTALLED IN HAZARDOUS LOCATIONS, AS DEFINED BY IBC CHAPTER 24, SHALL BE TEMPERED GLASS. SKYLIGHTS ARE TO BE TEMPERED GLASS OR FIBERGLASS AS SPECIFIED.
23. INSTALL SEALANT AT JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AND ROOF, BETWEEN WALL PANELS, AND AT PENETRATIONS OF UTILITIES THROUGH THE BUILDING ENVELOPE, TO LIMIT AIR INFILTRATION.
24. THE CONTRACTOR SHALL PROVIDE THE OWNER A LIST OF THE FEATURES, MATERIALS, COMPONENTS, AND MECHANICAL DEVICES INSTALLED IN THE BUILDING, AND INSTRUCTIONS ON HOW TO USE THEM EFFICIENTLY. THE INSTRUCTIONS SHALL BE CONSISTENT WITH SPECIFICATIONS SET FORTH BY THE EXECUTIVE DIRECTOR OF THE STATE ENERGY COMMISSION. THE ENERGY "CERTIFICATION OF COMPLIANCE" SHALL BE SUBMITTED AFTER THE INSTALLATION OF THE REQUIRED EQUIPMENT AND/OR MATERIAL, AND PRIOR TO ANY REQUEST FOR A FINAL INSPECTION.
25. CONDITIONS OF APPROVAL: ALL WORK SHALL CONFORM TO THE CITY OF OJAI MINOR CONDITIONS OF APPROVAL AND PROPERTY OF OWNER'S GUIDELINES FOR THIS PROJECT. THE CONTRACTOR SHA; READ THESE CONDITIONS PRIOR TO PREPARING BIDS AND COMMENCING CONSTRUCTION, AND AVAILABLE DIRECTLY FROM THE OWNER.
26. ITEMS IN THESE DRAWINGS NOT SPECIFICALLY IDENTIFIED AS EXISTING ARE ASSUMED TO BE NEW
27. ALL ASTM AND/OR ANSI DESIGNATIONS REFERRED TO ON THESE DRAWINGS SHALL BE THE LATEST ADOPTED OR REVISED SPECIFICATIONS.
28. MATERIAL AND EQUIPMENT NECESSARY FOR WORK SHALL NOT BE PLACED OR STORED ON PUBLIC PROPERTY SO AS TO OBSTRUCT A FREE AND CONVENIENT APPROACH TO AND USE OF ANY FIRE HYDRANT, FIRE OR POLICE ALARM BOX, UTILITY BOX, CATCH BASIN OR MANHOLE OR SO AS TO INTERFERE WITH THE FREE FLOW OF WATER IN STREET OR ALLEY GUTTER. PROTECTION AGAINST DAMAGE SHALL BE PROVIDED TO SUCH UTILITY FIXTURES DURING THE PROGRESS OF THE WORK, BUT SIGHT OF THEM SHALL NOT BE OBSTRUCTED.
29. WHERE NOT SPECIFICALLY DESCRIBED IN ANY OF THE NOTES OR SPECIFICATIONS, WORKMANSHIP SHALL CONFORM TO THE METHODS AND OPERATIONS OF BEST STANDARDS AND ACCEPTED PRACTICES OF THE RESPECTIVE TRADE.

APPLICABLE CODES

- 2021 INTERNATIONAL BUILDING CODE 3
AMERICAN WITH DISABILITIES ACT
- NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS:
- NFPA 10-18 STANDARD FOR PORTABLE FIRE EXTINGUISHERS
 - NFPA 13-16 STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS
 - NFPA 14-16 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEM
 - NFPA 20-16 STANDARD D FOR THE INSTALL. OF STATIONARY PUMPS FOR FIRE PROTECTION
 - NFPA 24-16 INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
 - NFPA 54-15 NATIONAL FUEL GAS CODE
 - NFPA 72-16 NATIONAL FIRE ALARM AND SIGNALING CODE
 - NFPA 80-16 STANDARD FOR FIRE DOORS AND OTHER OPENING/ PROTECTIVES
 - NFPA 101-18 LIFE SAFETY CODE
 - NFPA 105-16 STANDARD FOR SMOKE DOOR ASSEMBLIES AND OTHER OPENING PROTECTIVES
 - NFPA 170-18 STANDARD FOR FIRE SAFETY AND EMERGENCY SYMBOLS
 - NFPA 221-18 STANDARD FOR HIGH CHALLENGE FIRE WALLS, FIRE WALLS, AND FIRE BARRIER WALLS
 - NFPA 252-17 STANDARD METHODS OF FIRE TESTS DOOR ASSEMBLIES
 - NFPA 253-15 STANDARD METHOD OF TEST FOR CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS USING A RADIANT HEAT ENERGY SOURCE
 - NFPA 257-17 STANDARD FOR FIRE TEST FOR WINDOW AND GLASS BLOCK ASSEMBLIES
 - NFPA 720-15 STANDARD FOR THE INSTALLATION OF CARBON MONOXIDE (CO) DETECTION AND WARNING EQUIPMENT

DRAWING SHEET INDEX

- G-000 TITLE SHEET
- A.001 SPECIFICATIONS
- A.002 SPECIFICATIONS
- A.100 OVERALL FLOOR PLAN
- A.101 FLOOR PLAN - GROUND LEVEL
- A.102 FLOOR PLAN - CRANE LEVEL
- A.103 RCP
- A.104 ROOF PLAN
- A.105 ROOF TRUSS PLAN
- A.201 EXTERIOR ELEVATIONS - EAST
- A.202 EXTERIOR ELEVATIONS - SOUTH
- A.203 EXTERIOR ELEVATIONS - WEST
- A.204 EXTERIOR ELEVATIONS - NORTH
- A.301 BUILDING SECTIONS
- A.302 BUILDING SECTIONS
- A.303 BUILDING SECTIONS
- A.304 WALL SECTIONS
- A.305 WALL SECTIONS
- A.401 DETAILS
- TOTAL NO OF SHEETS: 19

AGENCY APPROVAL:



**HARTMANN
ARCHITECTURE
STUDIO**

HARTMANNARCHITECTURESTUDIO.COM
430 S. CARRILLO RD.
OJAI, CALIFORNIA 93023
(805) 530-5559
hartmannarchitecturestudio.com

CONSULTANTS:

STATUS:

FOR CONSTRUCTION

SEALS:



PROJECT:

**FT. HUACHUCA NEW
GROUND TRANSPORT
EQUIPMENT BUILDING**

OWNER:

US CORPS OF ENGINEERS
LOS ANGELES DISTRICT
915 WILSHIRE BLVD.
LOS ANGELES, CALIFORNIA 90017

CONTRACTOR:

AMG & ASSOCIATES
26535 SUMMIT CIRCLE
SANTA CLARITA, CALIFORNIA 91350
(661) 251- 7401
amgassociatesinc.com

PROJECT ADDRESS:

CORNER OF ARIZONA ST. & HUNT ST.
FORT HUACHUCA, ARIZONA

ISSUE:

MARK	DATE	DESCRIPTION
3	08/23/2022	ASI #01

PROJECT INFORMATION:

PROJECT NUMBER: 2022.003
PROJECT PHASE: CD
DRAWN BY: MEH
REVIEWED BY: MEH

THE ORIGINAL SIZE OF THIS SHEET IS 36"X48". IF THE CURRENT SIZE IS OTHER THAN 36"X48", THEN ADJUST THE SCALE OF THE DRAWINGS ACCORDINGLY.

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

G-000

DATE: 07/07/22

- 1
- F. Closures: use composition or metal profiled closures at the top of each elevation to close ends of the panels. Metal closures to be made in the same material and finish as face sheet.
- G. Fasteners: Fasteners shall be of type, material, size, corrosion resistance, holding power and other properties required to fasten miscellaneous framing members to substrates.
- H. Substrate shall be 5/8" Fire-rated Plywood
- I. Roofing Underlayment
- On all surfaces to be covered with roofing material, furnish and install a 40 mil Peel & Stick membrane, required as outlined by metal panel manufacturer. Membrane to be a minimum of 40 mil thickness, smooth, non-granular, high temperature. **Basis of design:** Carlisle WIP 300 HT High Temperature Protection Self Adhering Roofing Underlayment. Other acceptable manufacturers include:
 - W.R Grace "Ice & Water Shield"
 - Interwrap Titanium PSU-30
 - Tamko TW Tile and Metal Underlayment
 - Underlayment shall be laid in horizontal layers with joints lapped toward the eaves a minimum of 6, and well secured along laps and at ends as necessary to properly hold the felt in place. All underlayment shall be preserved unbroken and whole.
 - Peel and Stick Underlayment shall lap all hips and ridges at least 12 to form double thickness and shall be lapped 6 over the metal of any valley or built-in gutters and shall be installed as required by the Standing Seam Panel Manufacturer to attain the desired 20 Year Weather-tightness Warranty.
- J. Sealants
- Provide two-part polysulfide class B non-sag type for vertical and horizontal joints or
 - one part polysulfide not containing pitch or phenolic extenders or
 - Exterior grade silicone sealant recommended by roofing manufacturer or
 - One part non-sag, gun grade exterior type polyurethane recommended by the roofing manufacturer.

2.04 FABRICATION

- A. Comply with dimensions, profile limitations, gauges and fabrication details shown and if not shown, provide manufacturer's standard product fabrication.
- B. Fabricate components of the system in factory, ready for field assembly.
- C. Fabricate components and assemble units to comply with fire performance requirements specified.
- D. Apply specified finishes in conformance with manufacturer's standard, and according to manufacturer's instructions.

PART 3 EXECUTION

3.01 INSPECTION

- A. Examine alignment of structural steel and related supports, primary and secondary roof framing, solid roof sheathing, prior to installation.
- B. For the record, prepare written report, endorsed by installer, listing conditions detrimental to performance of the Work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 FASTENERS

- A. Secure units to supports
- B. Place fasteners as indicated in manufacturer's standards.

3.03 INSTALLATION

- A. Panels shall be installed plumb and true in a proper alignment and in relation to the structural framing. The erector must have at least five years successful experience with similar applications.
- B. Install metal panels, fasteners, trim and related sealants in accordance with approved shop drawings and as may be required for a weather-tight installation.
- C. Remove all strippable coating and provide a dry-wipe down cleaning of the panels as they are erected.

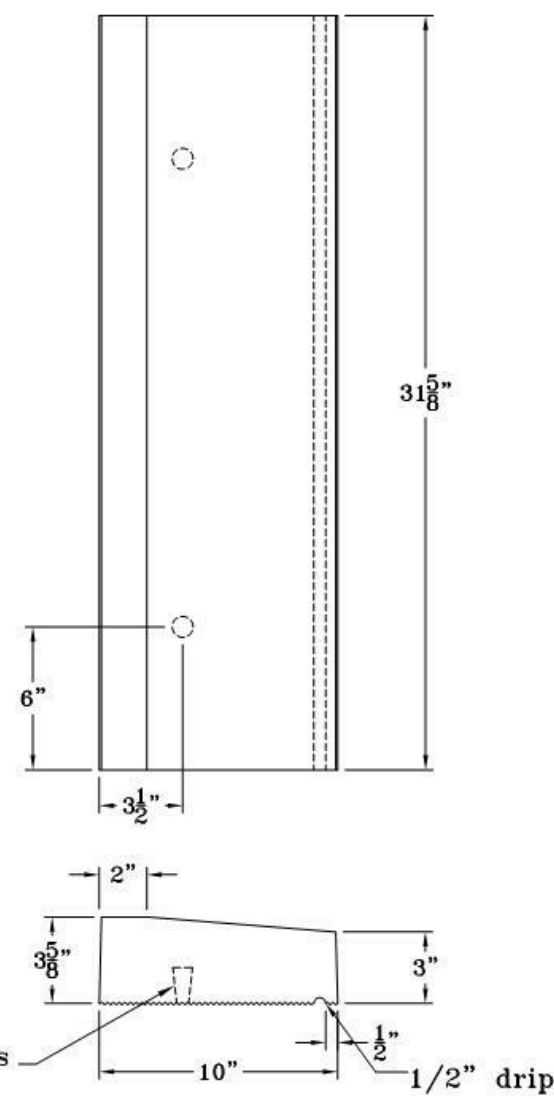
3.04 DAMAGED MATERIAL

- A. Upon determination of responsibility, repair or replace damaged metal panels and trim to the satisfaction of the Architect and Owner.

END OF SECTION

SI 155 S 31-5/8 dp ti

Weight Concrete ±75 lbs.



CONCRETE CAP

BUILDING AIR BARRIER SYSTEM

TYPAR® METROWRAP™ THREE-PART SPECIFICATIONS

PART 1. GENERAL

1.1 Summary

- A. This Section specifies TYPAR MetroWrap applied as a water-resistive barrier and air barrier assembly on exterior walls.

1.2 Submittals

- A. Product Data: Submit manufacturer's product data and installation instructions.
- B. Samples: Submit 12" (300mm) square sample for approval.

1.3 Quality Assurance

- A. Manufacturer:
- Obtain primary materials from a single manufacturer regularly engaged in manufacturing building wraps. Obtain secondary materials from a source acceptable to the primary materials manufacturer.
- B. Installer:
- Minimum two years experience with installation of similar building wraps.

PART 2. PRODUCTS

2.1 Manufacturer

- A. Berry Global, Inc., 70 Old Hickory Blvd, Old Hickory, TN 37138, +1 615-847-7000, www.TYPAR.com.

2.2 Water-Resistant Barrier

- A. Material shall comply with the following:
- Thickness: 0.127" average
 - Breaking Strength Test: 94 pounds mean value per ASTM D5034
 - Water Vapor Transmission: 9-15 perms (grains per hr in Hg sqft) per ASTM E96, desiccant method
 - Flatability: No signs of cracking per AC308, Sec. 3.3.4
 - Ultraviolet Exposure: Not less than 10 months prior to exterior cladding coverage
 - Accelerated Aging Cycling: No signs of failure at 21 days per AC308
 - Water Resistance Test: Exceeds one hour per ASTM D779
 - Elongation: 137% mean value per ASTM D5034, 4" wide sample
 - Air Penetration Resistance (Gurley Hill Porosity) [TAPPI T 460] [sec/100cc] <4800
 - Surface Burning Characteristics: Class A, when tested in accordance with ASTM E84
- Flame Spread: Pass NFPA 285: Pass.

2.2 Manufacturer's Accessory Products – Sealing Tape/Fasteners

- A. Tape: TYPAR® Construction Tape
- Description:
 - Face Material Composition: Polyethylene barrier
 - Face Color: Gray
 - Adhesive Composition: Acrylic
 - Thickness: 3.6mil
 - Dimensions: 1-7/8" x 165', 3" x 165'
 - Performance Characteristics:
 - Temperature Resistance: 0°F (-18°C) – Min. application temperature; 230°F (110°C) – Max. application temperature
 - Peel Adhesion: PSTC-1*
 - Tensile Strength: PSTC – 31" *Pressure-Sensitive Tape Council
 - Accessories:
 - Primer: Polyken spray adhesive or equal
 - Flashing Tape: TYPAR® All-Temperature Flashing, TYPAR® Flexible Flashing, and TYPAR® Butyl Flashing
 - Fastener: Fastener is dependent on substrate construction
 - Sealant: Must comply with ASTM C920 elastomeric polymer sealant
- B. Flashing: TYPAR Butyl Flashing
- Description:
 - Face Material Composition: Polyethylene barrier
 - Face Color: Gray
 - Adhesive Composition: Butyl rubber adhesive
 - Thickness: 18.5mil
 - Release Liner: Kraft paper
 - Dimensions: 4" x 25', 4" x 75', 6" x 75', 9" x 75', 12" x 75'

TYPAR

TYPAR® METROWRAP™ – THREE-PART SPECIFICATIONS

02

- Performance Characteristics:
 - Low Temp. Flatability: ASTM C765 PASS.
 - Nail Sealability: ASTM D1970 PASS.
 - Tensile Strength: ASTM D5034-95 PASS.
 - Peel Adhesion: ASTM D3330-04 PASS.
- Accessories:
 - Primer: Polyken spray adhesive or equal
 - Seam Tape: TYPAR® Construction Tape
 - Fastener: Fastener is dependent on substrate construction
 - Sealant: Must comply with ASTM C920 elastomeric polymer sealant
- Recommended Sealants Against TYPAR® Logo-Side Coating:
 - Elastomeric polymer-based, butyl rubber, rubber-based, meeting ASTM C920 evaluation
- Recommended Fasteners for Wood, Insulated Sheathing Board, Exterior Gypsum:
 - Plastic cap nails
 - Plastic cap staples
- Recommended Fasteners for Steel Frame Construction:
 - Rust-resistant screws with washers
- Recommended Fastening to Masonry:
 - Sealant: Polyurethane-based, meeting ASTM C920 evaluation
 - Mechanical Masonry fastener with washer

PART 3. EXECUTION

3.1 Installation

- A. TYPAR MetroWrap.
- Install in accordance with manufacturer's instruction over exterior sheathing or open studs. Seal joints and penetrations through weather-resistive barrier with specified tape and fasteners prior to installation of finish material. Air infiltration barrier shall be airtight and free from holes, tears, and voids. All wall and door penetrations are to be flashed and sealed per ASTM 2112, AAMA guidelines and manufacturer instructions. Cover with exterior cladding within six months of installation.
- B. TYPAR® Butyl Flashing
- Follow the TYPAR® Flashing installation procedures.
- C. TYPAR Construction Tape
- Follow the TYPAR Construction Tape installation procedures.

3.2 Examination

- A. TYPAR MetroWrap.
- Verify substrate and surface conditions are in accordance with the flashing manufacturer's recommendation.
- B. TYPAR Butyl Flashing
- Verify substrate and surface conditions are in accordance with the flashing manufacturer's recommendation.
- C. TYPAR Construction Tape
- Verify substrate and surface conditions are in accordance with the flashing manufacturer's recommendation.

3.3. Protection

- A. TYPAR Butyl Flashing
- Protect installed self-adhesive and flashing tapes from damage during construction.
- B. TYPAR Construction Tape
- Protect installed self-adhesive and flashing tapes from damage during construction.

FIRE RETARDANT-TREATED PLYWOOD

HOOVER TREATED WOOD PRODUCTS, INC

TECHNICAL NOTE

FOR ADDITIONAL INFORMATION: www.frtw.com or 1-800-TEC-WOOD (832-9663)

SPECIFICATIONS

EXTERIOR-FIRE-X® Exterior Fire-Retardant-Treated Wood

PART 1 – General Product Information

- A. Lumber and plywood designated **EXTERIOR FIRE-X®** has a flame spread index of 25 or less (Class A) when tested in accordance with ASTM E84, "Standard Test Method for Surface Burning Characteristics of Building Materials."
- B. **EXTERIOR FIRE-X®** fire-retardant-treated wood shows no evidence of significant progressive combustion when the test is extended for an additional 20-minute period. The flame front does not progress more than 10½ feet beyond the centerline of the burners at any time during the test. Surface burning characteristics for each species and product are listed by Underwriters Laboratories (UL).
- C. **EXTERIOR FIRE-X®** shows no increase in the listed classification when evaluated for flame spread after testing in accordance with ASTM D2898 "Standard Test Methods for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing."
- D. **EXTERIOR FIRE-X®** lumber and plywood is manufactured under the independent third-party inspection of Underwriters Laboratories (UL) Follow-Up Service and each piece shall bear the UL classified mark indicating the extended 30 minute ASTM E84 test and no increase in classification after ASTM D2898.
- E. **EXTERIOR FIRE-X®** shall be kiln-dried after treatment (KDAT). The kiln drying process is monitored by Timber Products Inspection, Inc. (TP). The TP mark appears on the label.
- F. **EXTERIOR FIRE-X®** meets the performance requirements of AWWA U1, Specification H for Use Category UCFB (fire protection, exterior, above ground) and AWWA C20/C27 (Exterior Type).
- G. **EXTERIOR FIRE-X®** is available with a blue colorant or branding as required for identification by the nuclear power industry and Department of Defense (DOD) Mil Spec requirements, Type II (Exterior Type).
- H. **EXTERIOR FIRE-X®** is listed on the Qualified Products List (QPL) for Mil Spec Mil-L 19140-E.

PART 2 – Fire-Retardant Treatment

- A. **EXTERIOR FIRE-X®** is manufactured by Hoover Treated Wood Products, Inc.
- B. **EXTERIOR FIRE-X®** is a proprietary product of Hoover Treated Wood Products Inc. No substitutions permitted.
- C. **EXTERIOR FIRE-X®** shall be kiln-dried to a maximum moisture content of 19% for lumber and 15% for plywood.
- D. **EXTERIOR FIRE-X®** lumber and plywood shall use design value adjustments and span ratings as published by the Hoover Treated Wood Products Inc.
- E. **EXTERIOR FIRE-X®** fire-retardant treatment is free of halogens, sulfates, chlorides, ammonium phosphate, and contains no added urea formaldehyde.
- F. Lumber and plywood of the appropriate size, grade and species, and bond durability shall be specified by the design criteria for the intended application.
- G. Plywood shall have a minimum bond durability of Exposure 1 in accordance with US Product Standard PS 1, Construction and Industrial Plywood.
- H. Grade marked structural lumber treated with **EXTERIOR FIRE-X®** shall be in accordance with PS 20.

PART 3 – Execution

- A. **EXTERIOR FIRE-X®** is a leach resistant fire-retardant treatment and may be installed with direct exposure to precipitation; however, it cannot be substituted for preservative treated wood.
- B. **EXTERIOR FIRE-X®** fire-retardant-treated lumber and plywood used in structural applications shall be applied according to the lumber and plywood strength tables available from Hoover Treated Wood Products.
- C. Field cutting is allowed without end treating. Do not rip or mill fire-retardant-treated lumber. Cross cuts, joining cuts, and drilling holes are permitted in lumber. Fire-retardant-treated plywood may be cut in any direction.

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05-2019

HOOVER TREATED WOOD PRODUCTS, INC

TECHNICAL NOTE

FOR ADDITIONAL INFORMATION: www.frtw.com or 1-800-TEC-WOOD (832-9663)

LUMBER & PLYWOOD ENGINEERING DATA

EXTERIOR-FIRE-X® Exterior Fire-Retardant-Treated Wood

Exterior Fire-X® pressure treated fire retardant lumber is limited to uses where the lumber temperature does not exceed 150° F in:

- A. Walls
- B. Floors
- C. Roof/ceiling assemblies where ventilation is evenly distributed providing a uniform airflow over all interior roof surfaces effectively removing built up heat and moisture from the roof system.

DESIGN VALUE ADJUSTMENTS FOR EXTERIOR FIRE-X® LUMBER

Exterior Fire-X® treated lumber shall bear the mark of an ALSC approved lumber grading or inspection agency. The adjustments below apply to the design values for Southern Pine as listed in the National Design Specification⁽¹⁾

(1) ANSI / AWC National Design Specification (NDS) and NDS Supplement: Design Values for Wood Construction, American Wood Council www.awc.org

Property	Adjustment Factor
Extreme fiber in bending	0.85
Tension	0.80
Horizontal shear	0.90
Compression perpendicular to grain	0.90
Compression parallel to grain	0.90
Modulus of elasticity	0.90
Fastener/connector design loads	0.90

SPAN RATINGS FOR EXTERIOR FIRE-X® PLYWOOD

The following plywood roof sheathing and subfloor spans apply to span-rated plywood and/or plywood bearing the trademark of an approved inspection agency, treated with **Exterior Fire-X®**. Roof system ventilation shall be evenly distributed providing a uniform airflow over all interior roof surfaces, and sufficient to effectively remove moisture.

Panel Thickness	Untreated Span Index	Exterior Fire-X® Maximum Span (inches)
Category		Roof Sheathing (1, 2, 5) Wall & Subfloor (3)
15/32, 1/2	32/16	24
19/32, 5/8	40/20	32
23/32, 3/4	48/24	40
7/8 (4)		48

- (1) Clips, blocking or other edge supports must be used with roof sheathing.
- (2) Maximum roof load: 10 psf dead load plus 40 psf live load.
- (3) Maximum floor load: 10 psf dead load plus 100 psf live load.
- (4) Limited to 7/8" CDX plywood made with group 1 species.
- (5) EXTERIOR FIRE-X® treated plywood shall not be used in roof designs employing a radiant shield that is located underneath the bottom surface of the sheathing.

NOTE: THESE SPAN RATINGS ARE BASED ON TEST RESULTS FOR EXTERIOR FIRE-X TREATED PLYWOOD AFTER EXTENDED EXPOSURE TO ELEVATED TEMPERATURES AND MOISTURE.

Where **Exterior Fire-X®** treated plywood is used for diaphragm or shear wall design there is a 10% reduction.

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12-2017

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STATUS:

FOR CONSTRUCTION

SEALS:



PROJECT:

FT. HUACHUCA NEW
GROUND TRANSPORT
EQUIPMENT BUILDING

OWNER:

US CORPS OF ENGINEERS
LOS ANGELES DISTRICT
915 WILSHIRE BLVD.
LOS ANGELES, CALIFORNIA 90017

CONTRACTOR:

AMG & ASSOCIATES
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amgassociatesinc.com

PROJECT ADDRESS:

CORNER OF ARIZONA ST. & HUNT ST.
FORT HUACHUCA, ARIZONA

ISSUE:

MARK	DATE	DESCRIPTION
3	08/23/2022	ASI #01

PROJECT INFORMATION:

PROJECT NUMBER: 2022.003
PROJECT PHASE: CD
DRAWN BY: MEH
REVIEWED BY: MEH

SHEET TITLE:

SPECIFICATIONS

SHEET NUMBER:

A.002

DATE: 07/07/22



CONCRETE DESIGNS INC.
3450 S. BROADWAY DRIVE
TUCSON, AZ 85713-1547
(602) 779-2278 (520) 624-6853 FAX (520) 624-3420
Website: www.concrete-designs.com

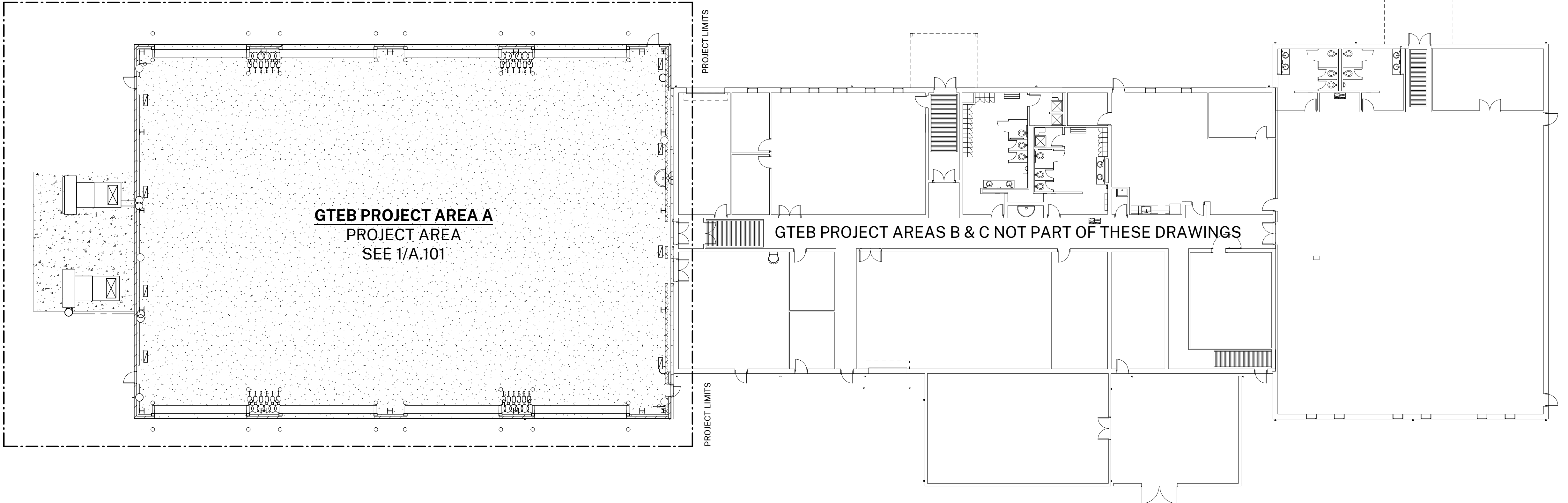
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SCALE: 1-1/2"=1'-0"



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1 FLOOR PLAN - OVERALL
1/16" = 1'-0"

PLAN NORTH



SYMBOL LEGEND			
	DETAIL REFERENCE		(E) WALL, REMOVE
	MODIFIER		(E) FRAMED WALL, TO REMAIN
	DETAIL REFERENCE		(E) MASONRY WALL, TO REMAIN
	SECTION		(E) CONCRETE WALL, TO REMAIN
	EXT BLDG ELEVATION(S)		(N) FRAMED WALL REFER TO SCHEDULE
	INT BLDG ELEVATION(S)		(N) MASONRY WALL REFER TO SCHEDULE
	EXT BLDG ELEVATION(S)		(N) CONCRETE WALL REFER TO SCHEDULE
	DOOR TAG REFER TO USACE A-620		(N) FRAMED WALL - 1 HR FIRE BARRIER
	WINDOW TAG REFER TO USACE A-621		(E) DOOR, REMOVE
	EQUIPMENT TAG REFER TO SCHEDULE		(E) DOOR, TO REMAIN
	WALL TAG REFER TO SCHEDULE		(E) DOOR, TO REMAIN
	KEYNOTE W/ ARROW		(N) DOOR
	KEYNOTE W/ AREA INDICATOR		

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PROJECT:

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CONTRACTOR:

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PROJECT ADDRESS:

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FORT HUACHUCA, ARIZONA

ISSUE:

MARK	DATE	DESCRIPTION

PROJECT INFORMATION:
PROJECT NUMBER: 2022.003
PROJECT PHASE: CD
DRAWN BY: MEH
REVIEWED BY: MEH

SHEET TITLE:

OVERALL FLOOR PLAN

SHEET NUMBER:

A.100

DATE: 07/07/22

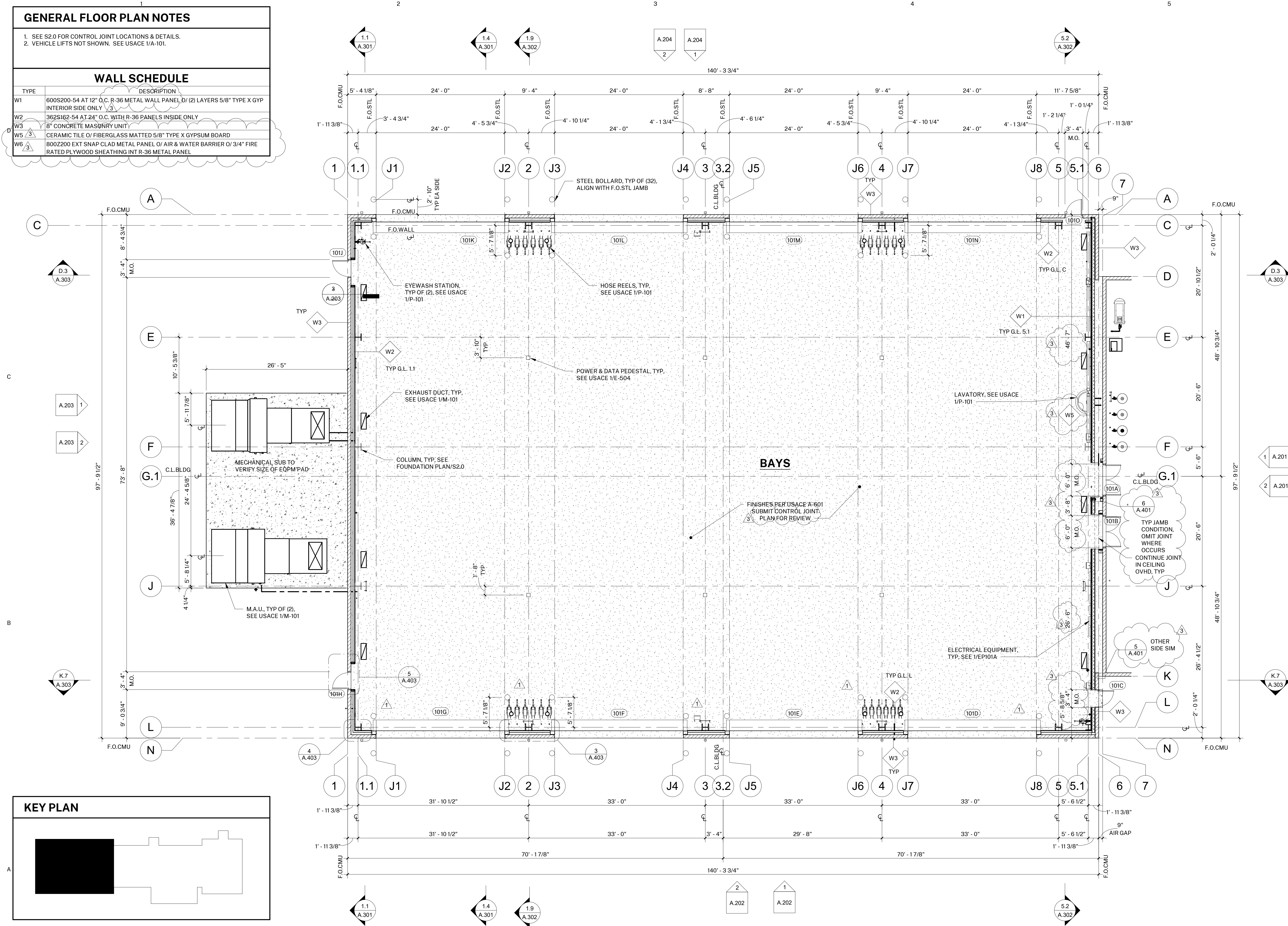
GENERAL FLOOR PLAN NOTES

1. SEE S2.0 FOR CONTROL JOINT LOCATIONS & DETAILS.

2. VEHICLE LIFTS NOT SHOWN. SEE USACE 1/A-101.

WALL SCHEDULE

TYPE	DESCRIPTION
W1	600S200-54 AT 12" O.C. R-36 METAL WALL PANEL O/ (2) LAYERS 5/8" TYPE X GYP INTERIOR SIDE ONLY
W2	362S162-54 AT 24" O.C. WITH R-36 PANELS INSIDE ONLY
W3	8" CONCRETE MASONRY UNIT
W5	CERAMIC TILE O/ FIBERGLASS MATTED 5/8" TYPE X GYPSUM BOARD
W6	800Z200 EXT SNAP CLAD METAL PANEL O/ AIR & WATER BARRIER O/ 3/4" FIRE RATED PLYWOOD SHEATHING INT R-36 METAL PANEL



KEY PLAN

1.9 FLOOR PLAN - BAYS
1/8" = 1'-0"



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1	07/07/2022	AMG RFI's 114 & 115
3	08/23/2022	ASI #01

PROJECT INFORMATION:

PROJECT NUMBER: 2022.003

PROJECT PHASE: CD

DRAWN BY: MEH

REVIEWED BY: MEH

SHEET TITLE:

FLOOR PLAN - GROUND LEVEL

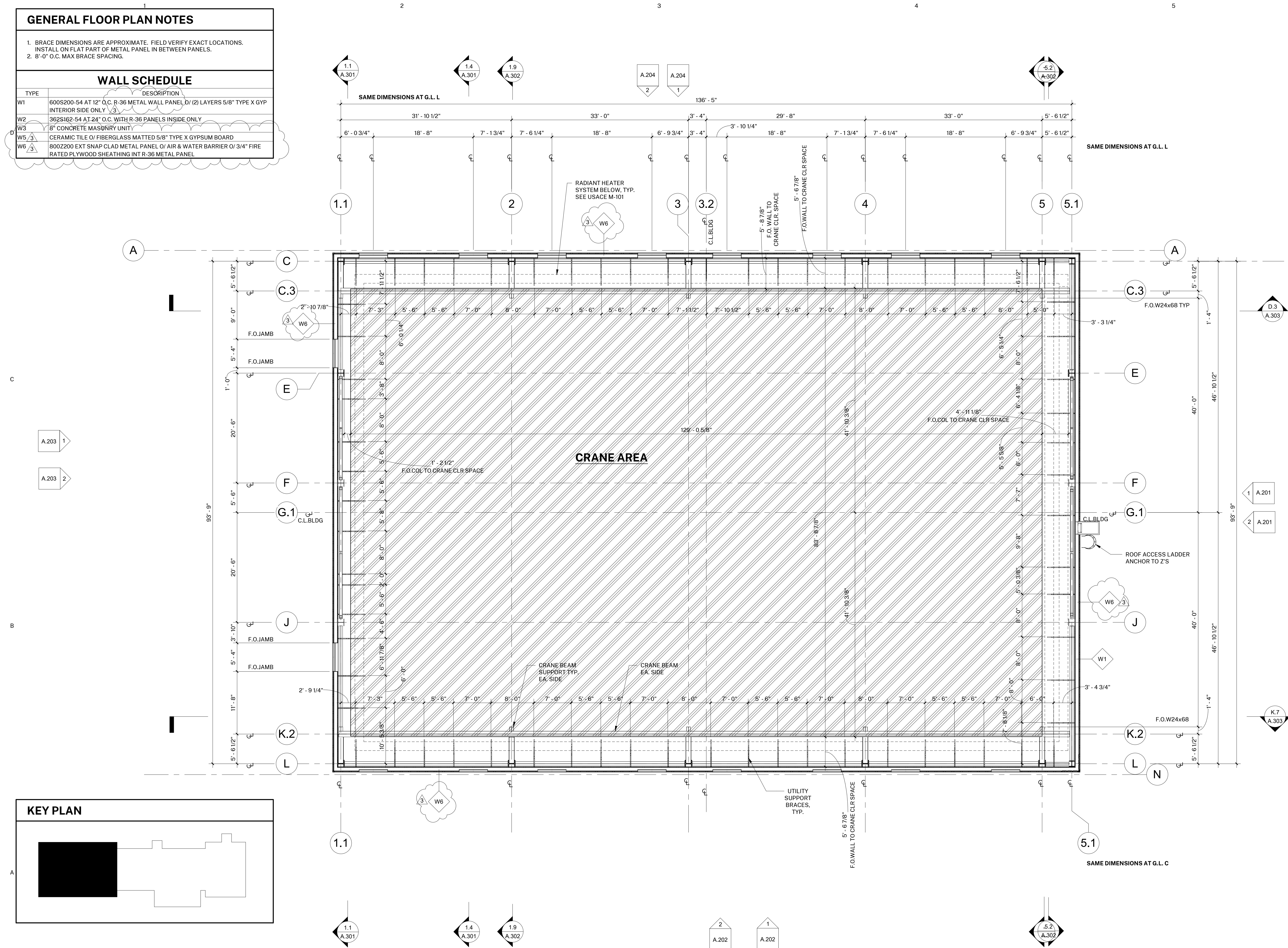
SHEET NUMBER:

A.101

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GENERAL FLOOR PLAN NOTES	
1. BRACE DIMENSIONS ARE APPROXIMATE. FIELD VERIFY EXACT LOCATIONS. INSTALL ON FLAT PART OF METAL PANEL IN BETWEEN PANELS. 2. 8'-0" O.C. MAX BRACE SPACING.	
WALL SCHEDULE	
TYPE	DESCRIPTION
W1	600S200-54 AT 12" O.C. R-36 METAL WALL PANEL O/ (2) LAYERS 5/8" TYPE X GYP INTERIOR SIDE ONLY
W2	362S162-54 AT 24" O.C. WITH R-36 PANELS INSIDE ONLY
W3	8" CONCRETE MASONRY UNIT
W5	CERAMIC TILE O/ FIBERGLASS MATTED 5/8" TYPE X GYPSUM BOARD
W6	800Z200 EXT SNAP CLAD METAL PANEL O/ AIR & WATER BARRIER O/ 3/4" FIRE RATED PLYWOOD SHEATHING INT R-36 METAL PANEL



1 FLOOR PLAN - CRANE LEVEL
1/8" = 1'-0"

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PROJECT PHASE: CD
DRAWN BY: MEH
REVIEWED BY: MEH

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A SHEET TITLE:

FLOOR PLAN - CRANE LEVEL

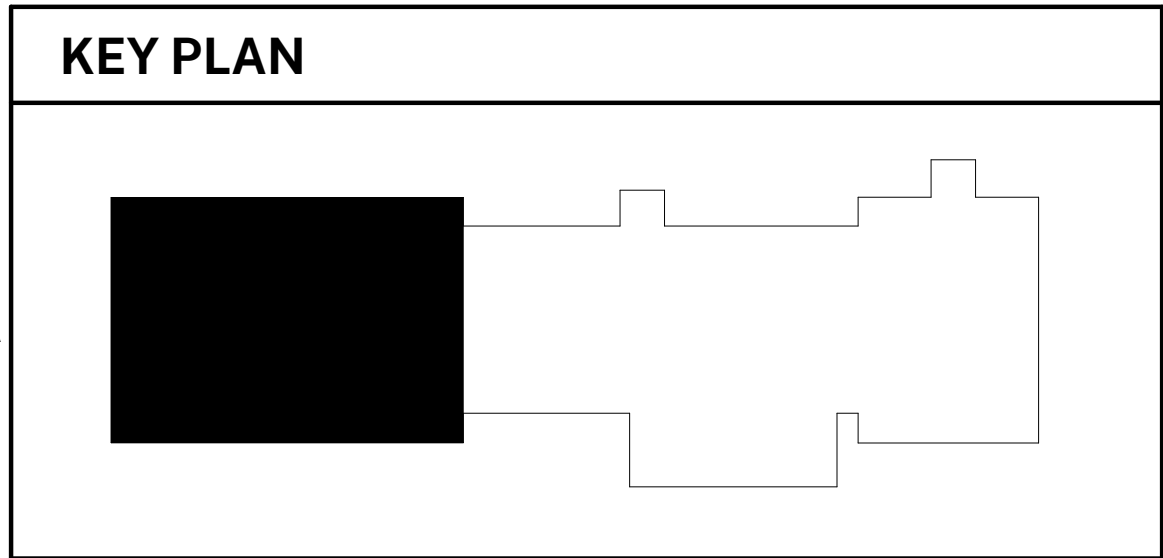
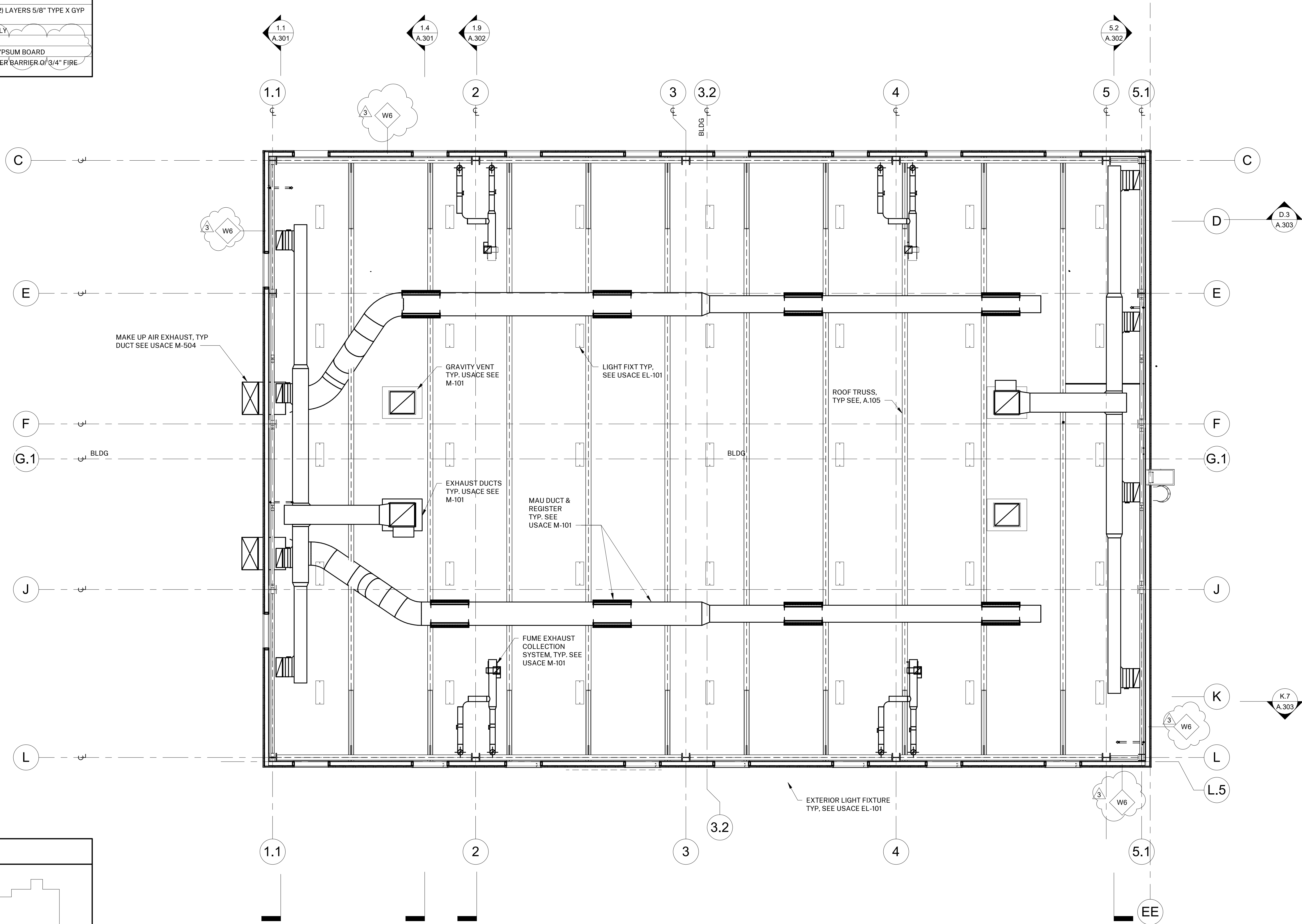
SHEET NUMBER:

A.102

DATE: 07/07/22

SHEET NORTH

GENERAL FLOOR PLAN NOTES	
1. SEE 1/A.101 & A.105 FOR BUILDING & TRUSS DIMENSIONS	
WALL SCHEDULE	
TYPE	DESCRIPTION
W1	600S200-54 AT 12" O.C. R-36 METAL WALL PANEL O/ (2) LAYERS 5/8" TYPE X GYP INTERIOR SIDE ONLY
W2	362S162-54 AT 24" O.C. WITH R-36 PANELS INSIDE ONLY
W3	8" CONCRETE MASONRY UNIT
W5	CERAMIC TILE O/ FIBERGLASS MATTED 5/8" TYPE X GYPSUM BOARD
W6	800Z200 EXT SNAP CLAD METAL PANEL O/ AIR & WATER BARRIER O/ 3/4" FIRE RATED PLYWOOD SHEATHING INT R-36 METAL PANEL



1 RCP - PROPOSED
1/8" = 1'-0"

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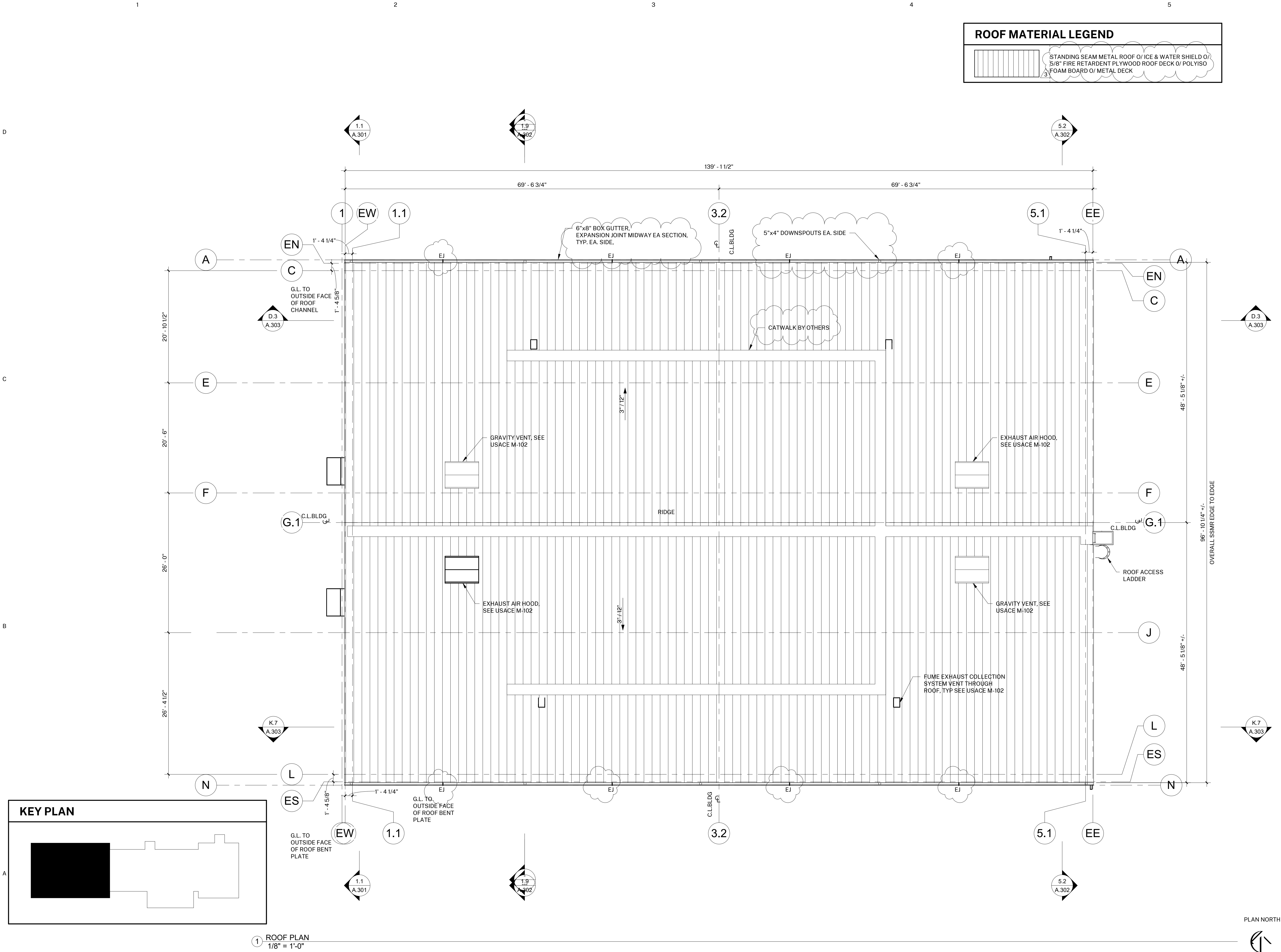
A SHEET TITLE:
RCP

SHEET NUMBER:
A.103

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3	08/23/2022	ASI #01

PROJECT INFORMATION:

PROJECT NUMBER:	2022.003
PROJECT PHASE:	CD
DRAWN BY:	MEH
REVIEWED BY:	MEH

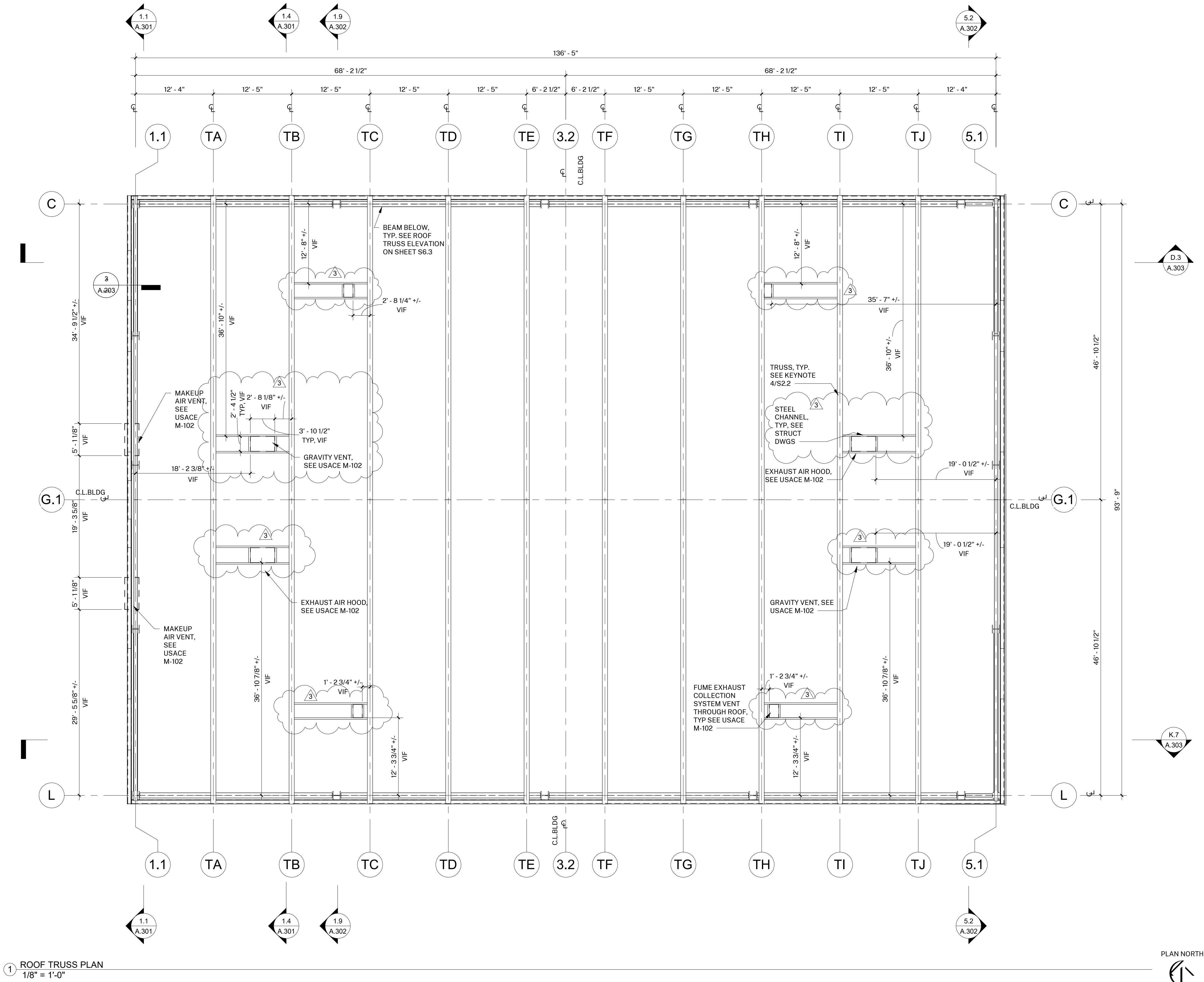
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SHEET TITLE:
ROOF PLAN

SHEET NUMBER:
A.104

DATE: 07/07/22

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1 ROOF TRUSS PLAN
1/8" = 1'-0"

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REVIEWED BY: MEH

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SHEET TITLE:
ROOF TRUSS PLAN
STEEL SHOP DRAWING COORDINATION DRAWING

SHEET NUMBER:
A.105

DATE: 07/07/22

1

2

3

4

5

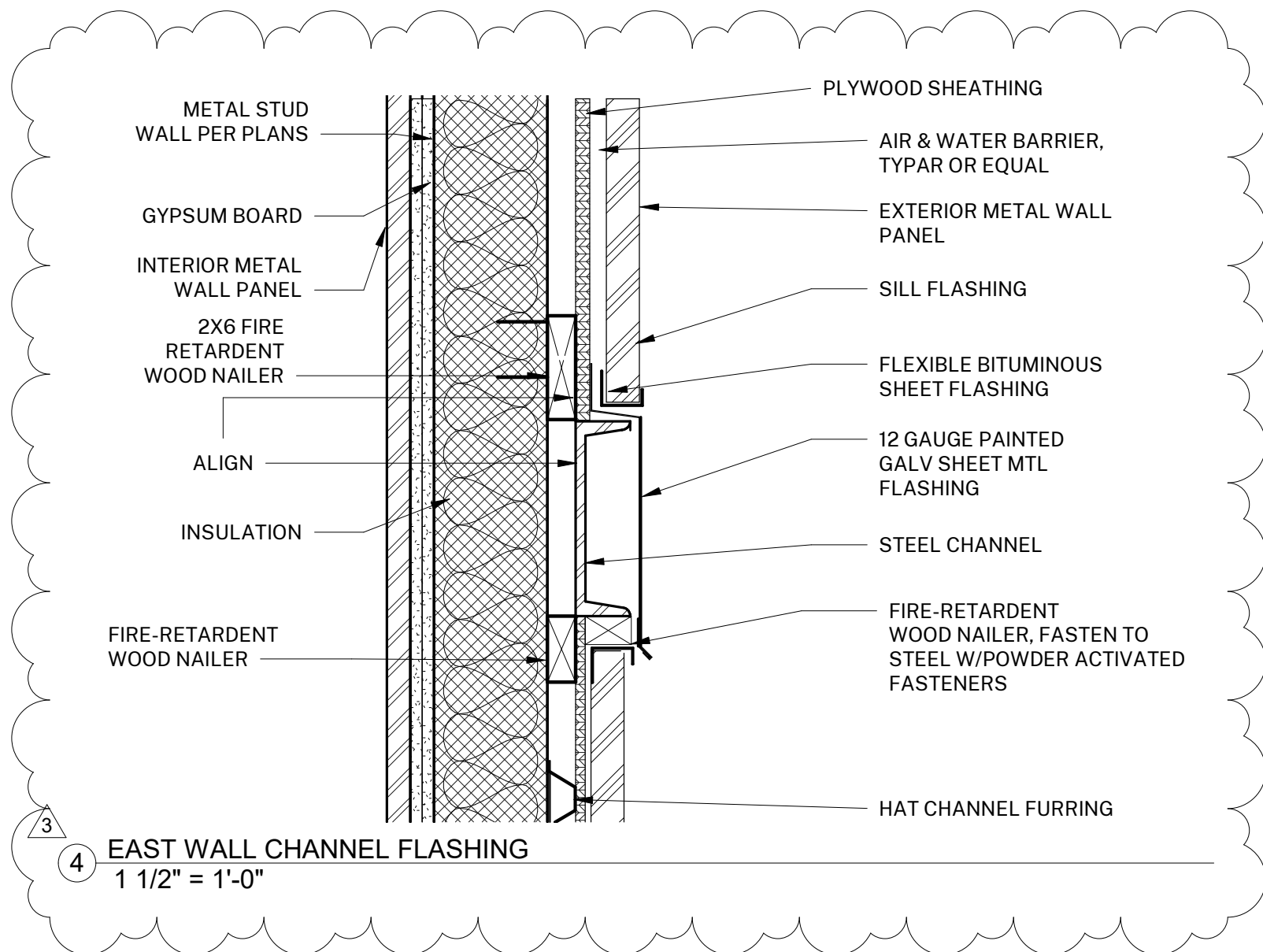
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GENERAL ELEVATION NOTES

- SEE S SHEETS FOR STRUCTURAL MEMBER IDENTIFICATION AND PROPERTIES.
- SEE 1/A.101 & 1/A.102 FOR HORIZONTAL OPENING LOCATIONS
- PROVIDE ALL SNAP CLAD CORNER, BASE, JAMB, SILL ETC. FOR COMPLETE INSTALLATION

ELEVATION MATERIAL LEGEND

	SNAP-CLAD METAL WALL PANELS
	CMU, SEE USAGE A-601



2 T.O.CHANNEL
25' - 1"

2x FIRE RETARDANT
PTDF NAILERS,SEE
3/- AND 4/-

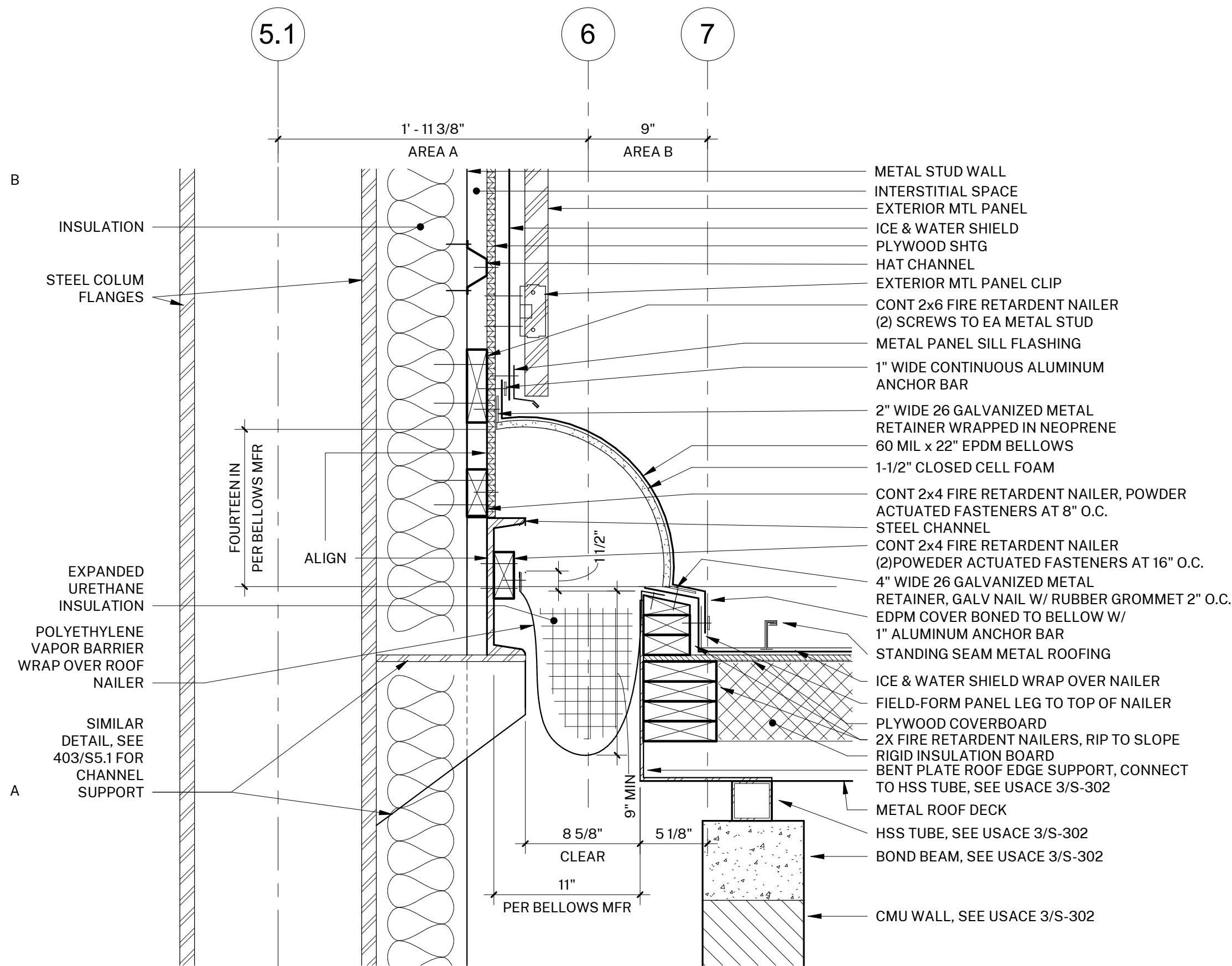
SLOPED C10x25,
ATTACH TO
COLUMNS PER
403/S5.1

AREA B ROOF &
WALL FORWARD OF
VIEW

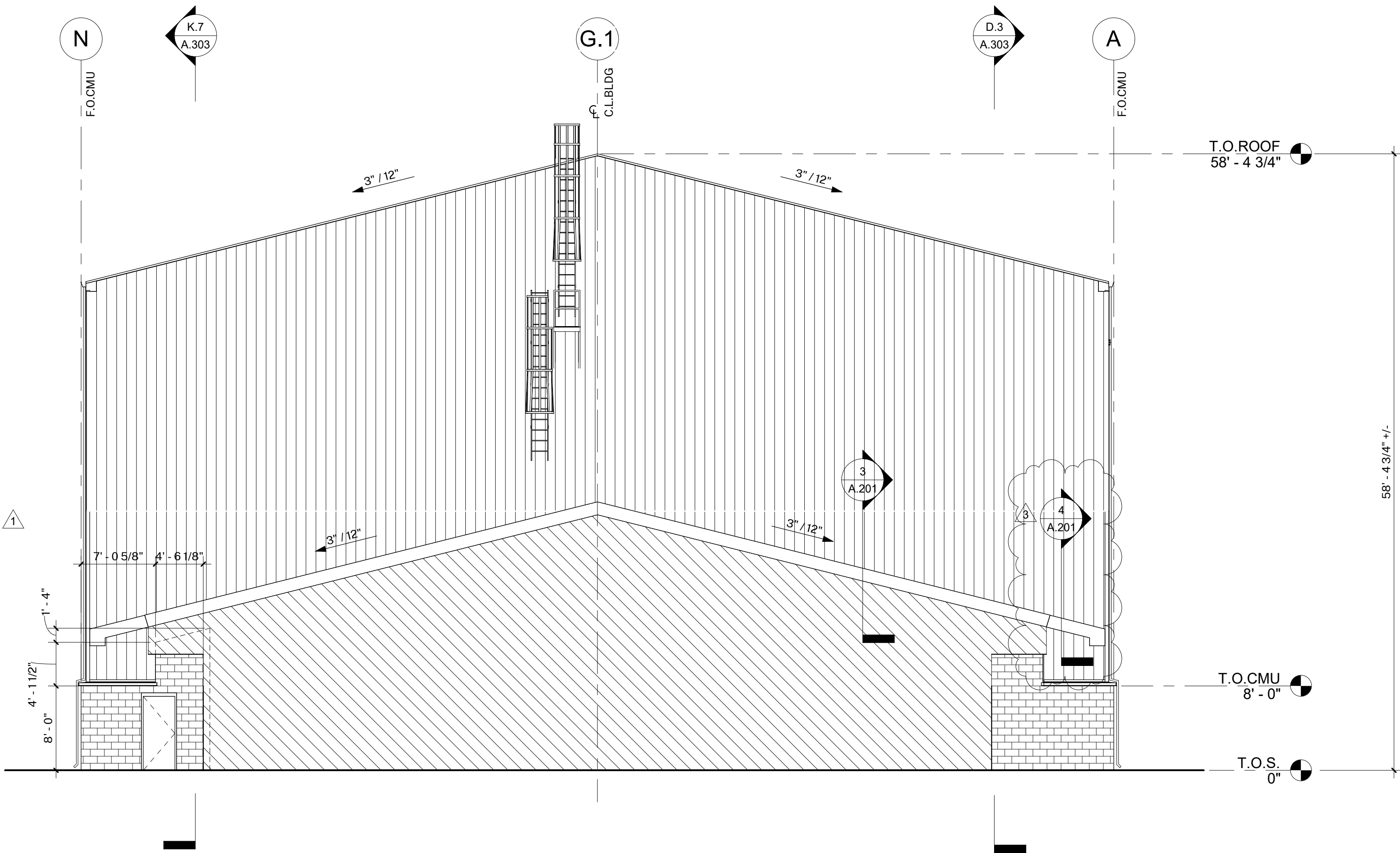
LIGHT GAUGE METAL
STUD FRAMING PER
PLANS BEYOND

1-1/2" 20 GA FURRING HAT
CHANNELS AT 24" O.C. TO THE BACK
OF METAL STUDS, APPLY (2) LAYERS
INTERIOR GYPSUM WALL
SHEATHING TO BE FLUSH WITH
GYPSUM SHEATHING ABV AT Z24.55'
AND BELOW

2 EAST ELEVATION - FRAMING
1/8" = 1'-0"



3 ROOF-TO-WALL FLASHING
1 1/2" = 1'-0"



1 EAST ELEVATION
1/8" = 1'-0"

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PROJECT:

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OWNER:

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ISSUE:

MARK	DATE	DESCRIPTION
1	07/07/2022	AMG RFI's 114 & 115
2	07/14/2022	JB RFI's 15, 16, 17, 18
3	08/23/2022	ASI #01

PROJECT INFORMATION:

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PROJECT PHASE: CD
DRAWN BY: MEH
REVIEWED BY: MEH

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SHEET TITLE:

EXTERIOR ELEVATIONS - EAST

SHEET NUMBER:

A.201

DATE: 07/07/22

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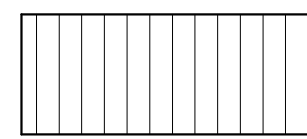
D

C

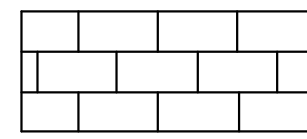
GENERAL ELEVATION NOTES

1. SEE S SHEETS FOR STRUCTURAL MEMBER IDENTIFICATION AND PROPERTIES.
2. SEE 1/A.101 & 1/A-102 FOR HORIZONTAL OPENING LOCATIONS
3. PROVIDE ALL SNAP CLAD CORNER, BASE, JAMB, SILL ETC. FOR COMPLETE INSTALLATION

ELEVATION MATERIAL LEGEND



SNAP-CLAD METAL WALL PANELS



CMU, SEE USAGE A-601

△ C10x25 ATTACHED TO COLS.
403/S5.1 SIM, ALIGN INSIDE
WEB OF CHANNEL WITH
EXTERIOR FACE OF Z's

● B.O.HDR 7.81'
7' - 4"

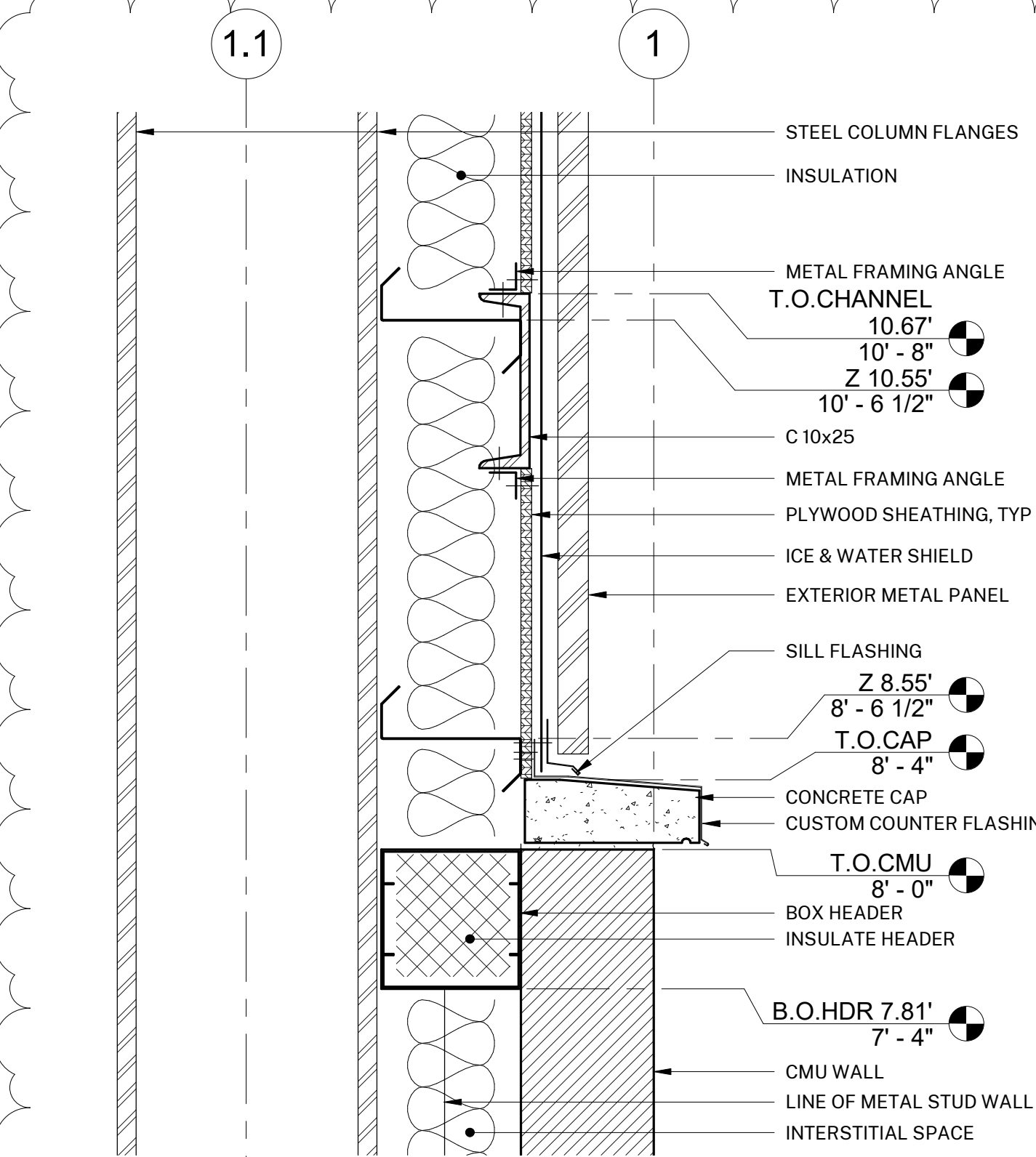
CMU FORWARD OF VIEW

● T.O.S.
0"

2 WEST ELEVATION - FRAMING
1/8" = 1'-0"

B

A



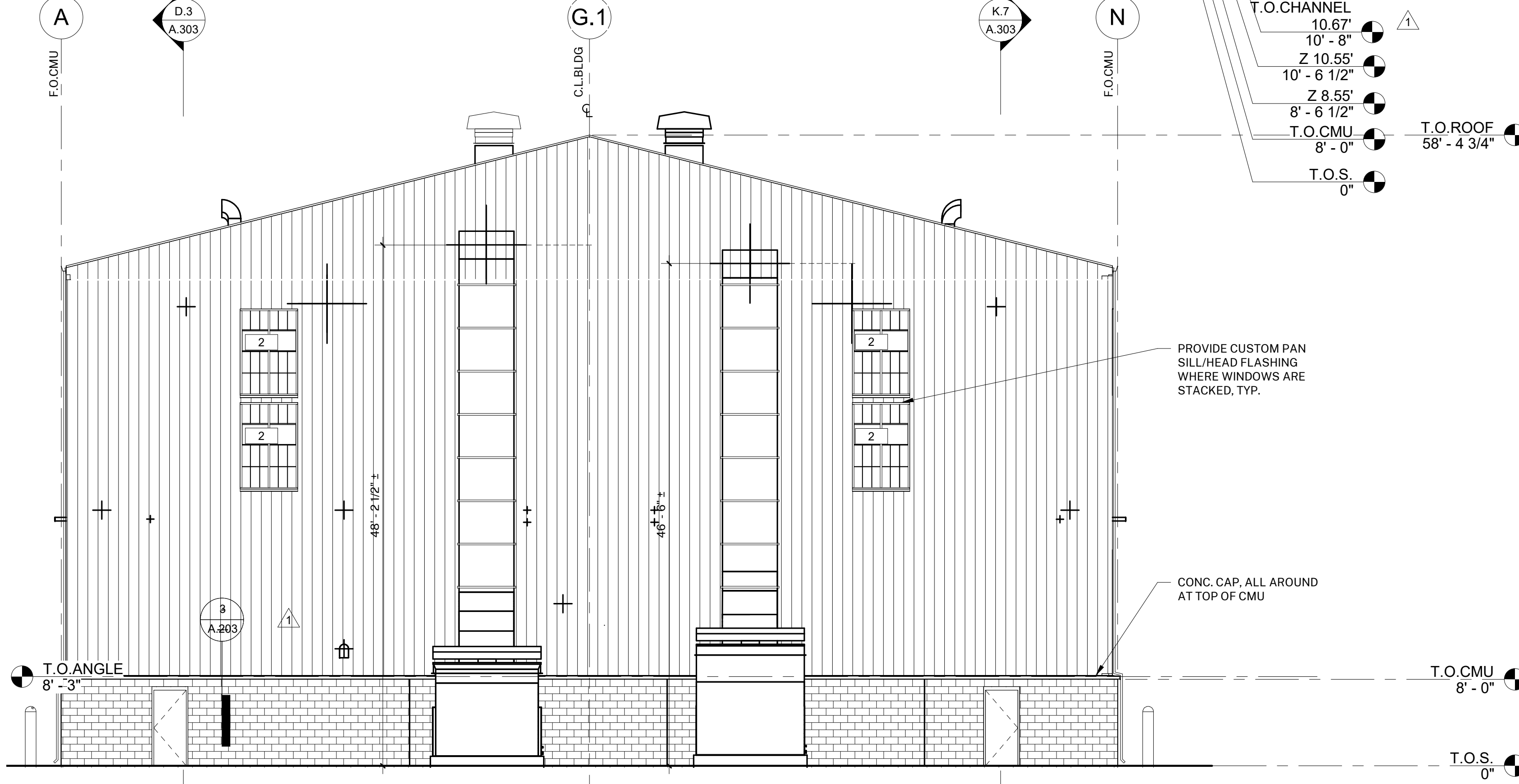
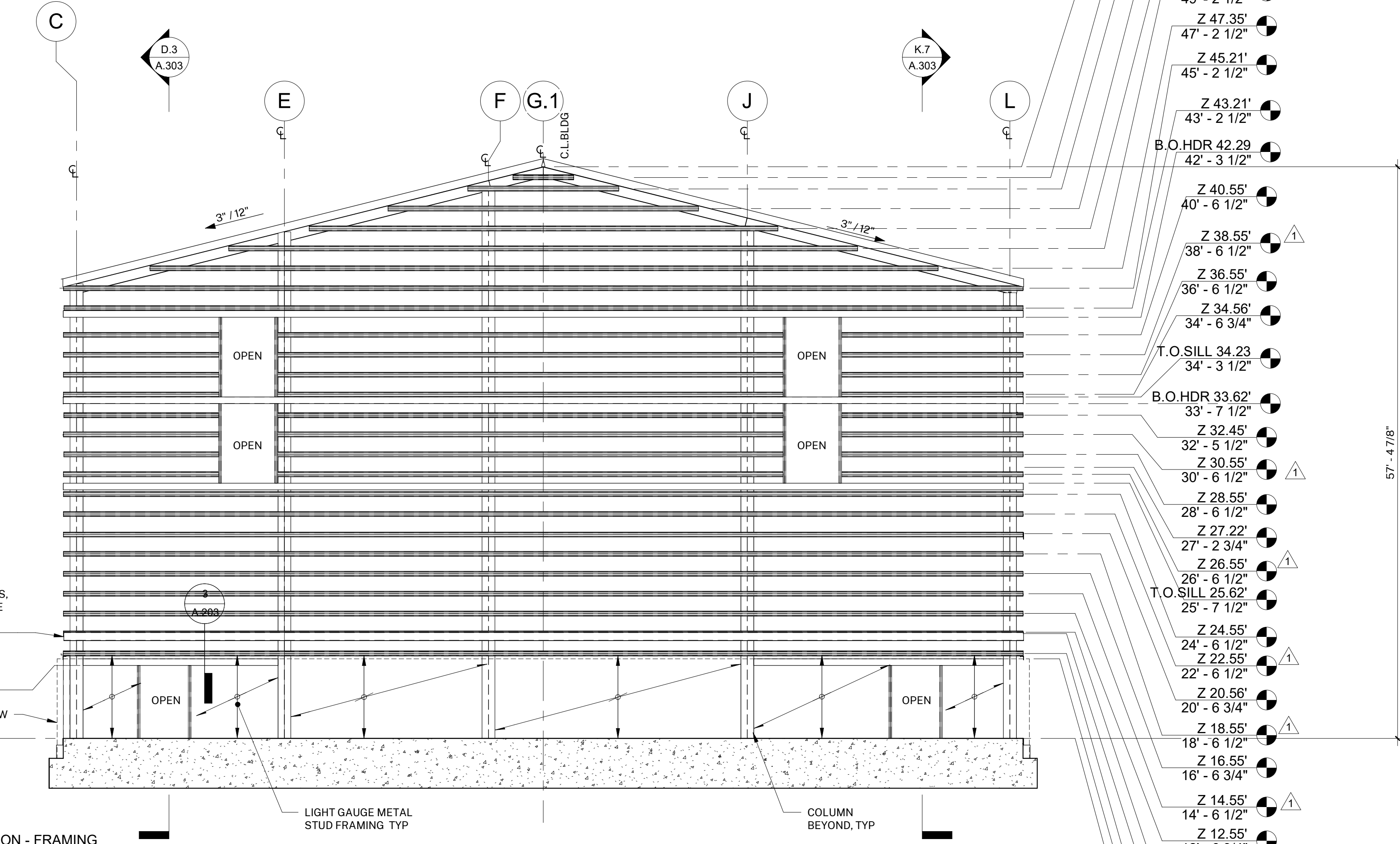
3 WEST WALL CHANNEL
1 1/2" = 1'-0"

2

3

4

5



1 WEST ELEVATION
1/8" = 1'-0"

3

4

5

AGENCY APPROVAL:



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CONSULTANTS:

STATUS:

FOR CONSTRUCTION

SEALS:



PROJECT:

FT. HUACHUCA NEW
GROUND TRANSPORT
EQUIPMENT BUILDING

OWNER:

US CORPS OF ENGINEERS
LOS ANGELES DISTRICT
915 WILSHIRE BLVD.
LOS ANGELES, CALIFORNIA 90017

CONTRACTOR:

AMG & ASSOCIATES
26535 SUMMIT CIRCLE
SANTA CLARITA, CALIFORNIA 91350
(661) 251-7401
amgassociatesinc.com

PROJECT ADDRESS:

CORNER OF ARIZONA ST. & HUNT ST.
FORT HUACHUCA, ARIZONA

ISSUE:

MARK	DATE	DESCRIPTION
1	07/07/2022	AMG RFI's 114 & 115
3	08/23/2022	ASI #01

PROJECT INFORMATION:

PROJECT NUMBER: 2022.003
PROJECT PHASE: CD
DRAWN BY: MEH
REVIEWED BY: MEH

THE ORIGINAL SIZE OF THIS SHEET IS 36" X 48". IF THE CURRENT SIZE IS OTHER THAN 36" X 48", THEN ADJUST THE SCALE OF THE DRAWINGS ACCORDINGLY.

SHEET TITLE:

EXTERIOR ELEVATIONS - WEST

SHEET NUMBER:

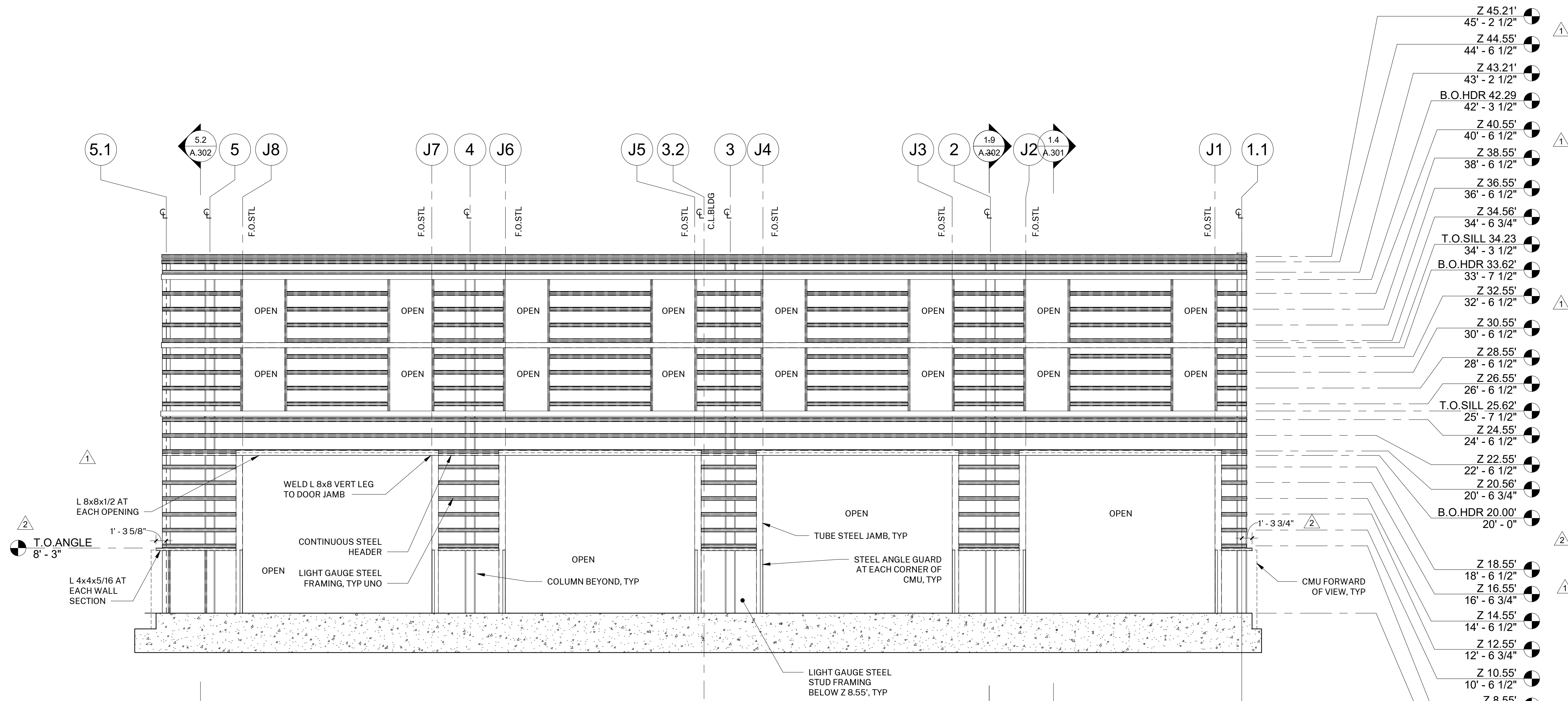
A.203

DATE: 07/07/2022

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D

C



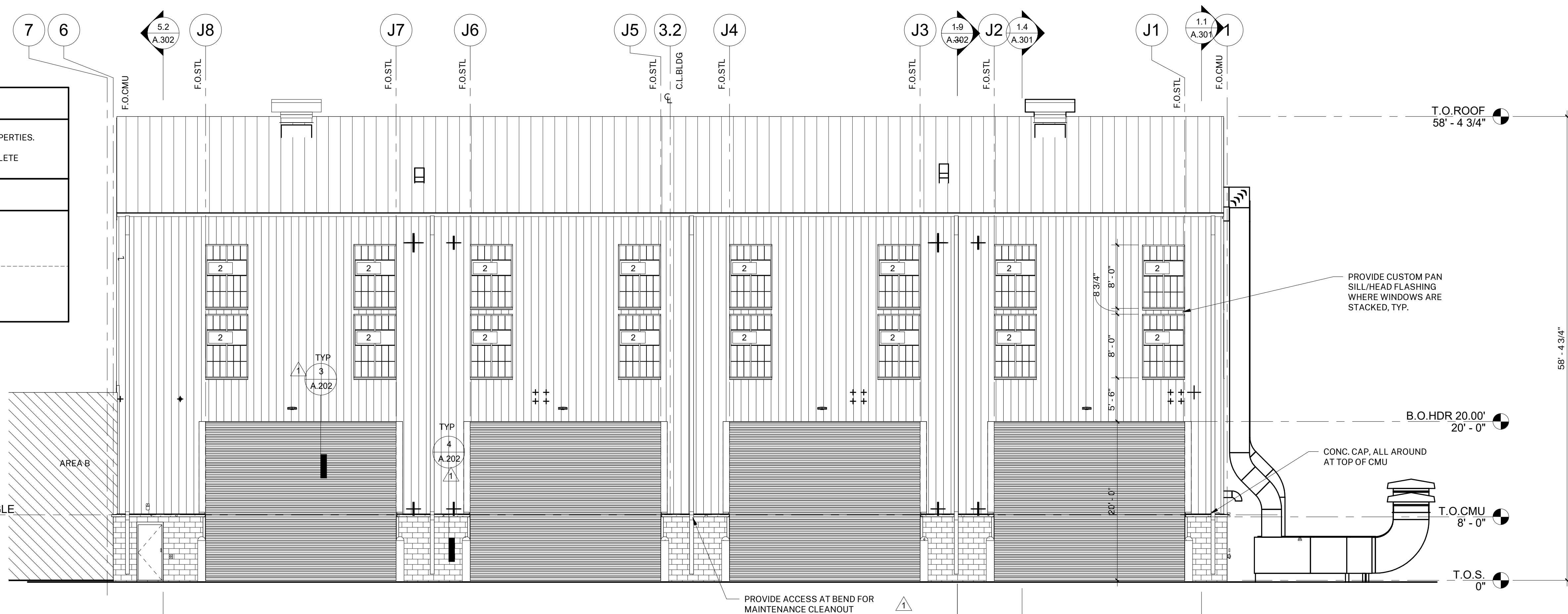
2 NORTH ELEVATION - FRAMING
1/8" = 1'-0"

GENERAL ELEVATION NOTES

- SEE S SHEETS FOR STRUCTURAL MEMBER IDENTIFICATION AND PROPERTIES.
- SEE 1/A-101 & 1/A-102 FOR HORIZONTAL OPENING LOCATIONS
- PROVIDE ALL SNAP CLAD CORNER, BASE, JAMB, SILL ETC. FOR COMPLETE INSTALLATION

ELEVATION MATERIAL LEGEND

	SNAP-CLAD METAL WALL PANELS
	CMU, SEE USAGE A-601



1 NORTH ELEVATION
1/8" = 1'-0"

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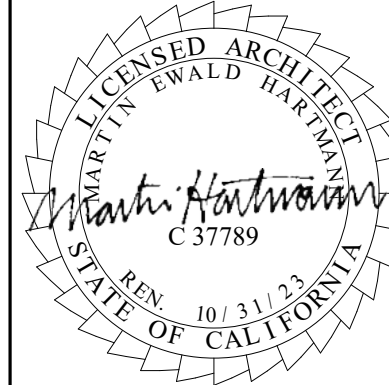
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CONSULTANTS:

STATUS:

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SEALS:



PROJECT:

FT. HUACHUCA NEW
GROUND TRANSPORT
EQUIPMENT BUILDING

OWNER:

US CORPS OF ENGINEERS
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FORT HUACHUCA, ARIZONA

ISSUE:

MARK	DATE	DESCRIPTION
1	07/07/2022	AMG RFI's 114 & 115
2	07/14/2022	JB RFI's 15, 16, 17, 18

PROJECT INFORMATION:

PROJECT NUMBER: 2022.003
PROJECT PHASE: CD
DRAWN BY: MEH
REVIEWED BY: MEH

SHEET TITLE:

EXTERIOR ELEVATIONS -
NORTH

SHEET NUMBER:

A.204

DATE: 07/07/22

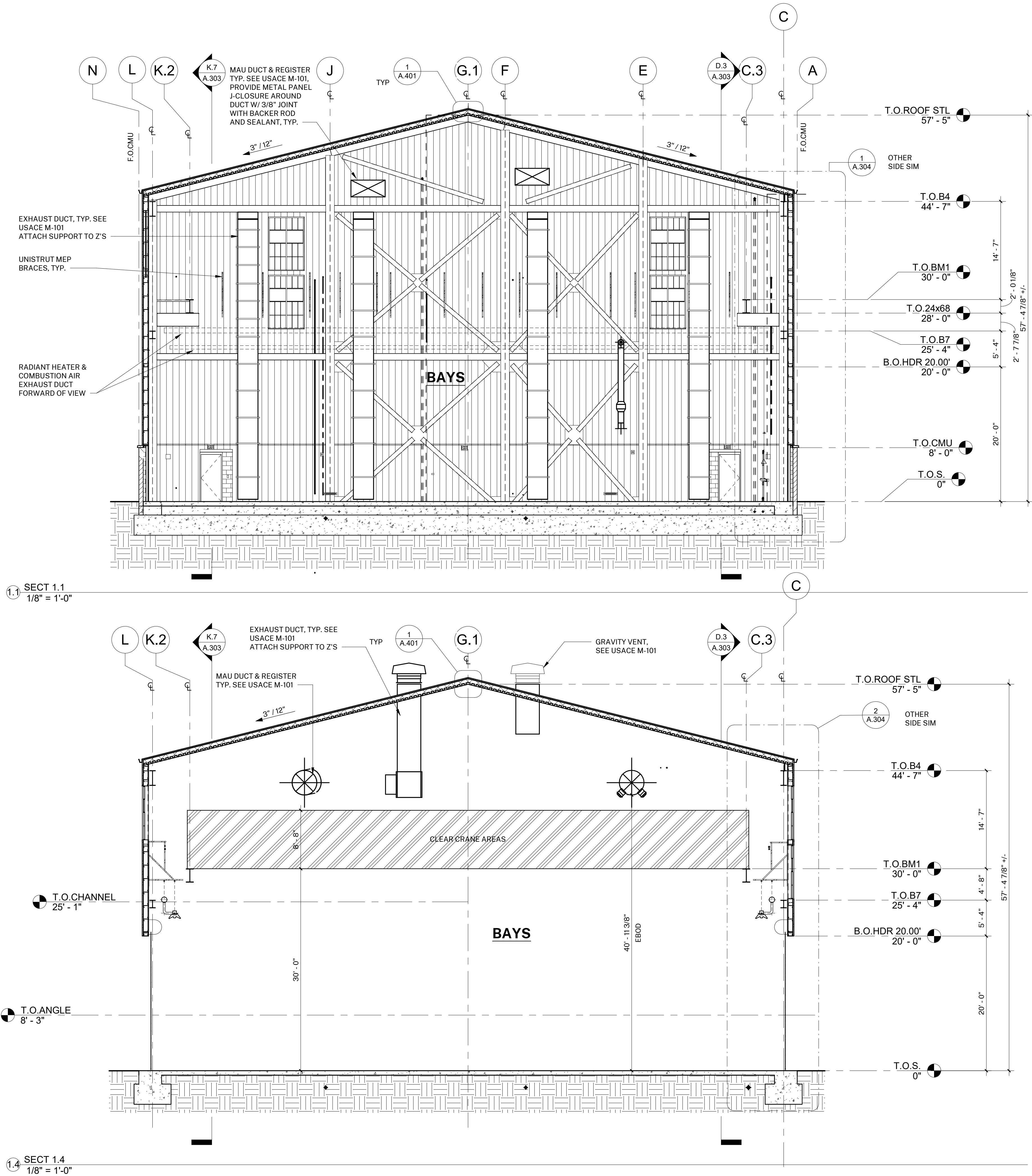
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OWNER:

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ISSUE:

MARK	DATE	DESCRIPTION

PROJECT INFORMATION:

PROJECT NUMBER: 2022.003
PROJECT PHASE: CD
DRAWN BY: MEH
REVIEWED BY: MEH

SHEET TITLE:

BUILDING SECTIONS

SHEET NUMBER:

A.301

DATE: 07/07/22

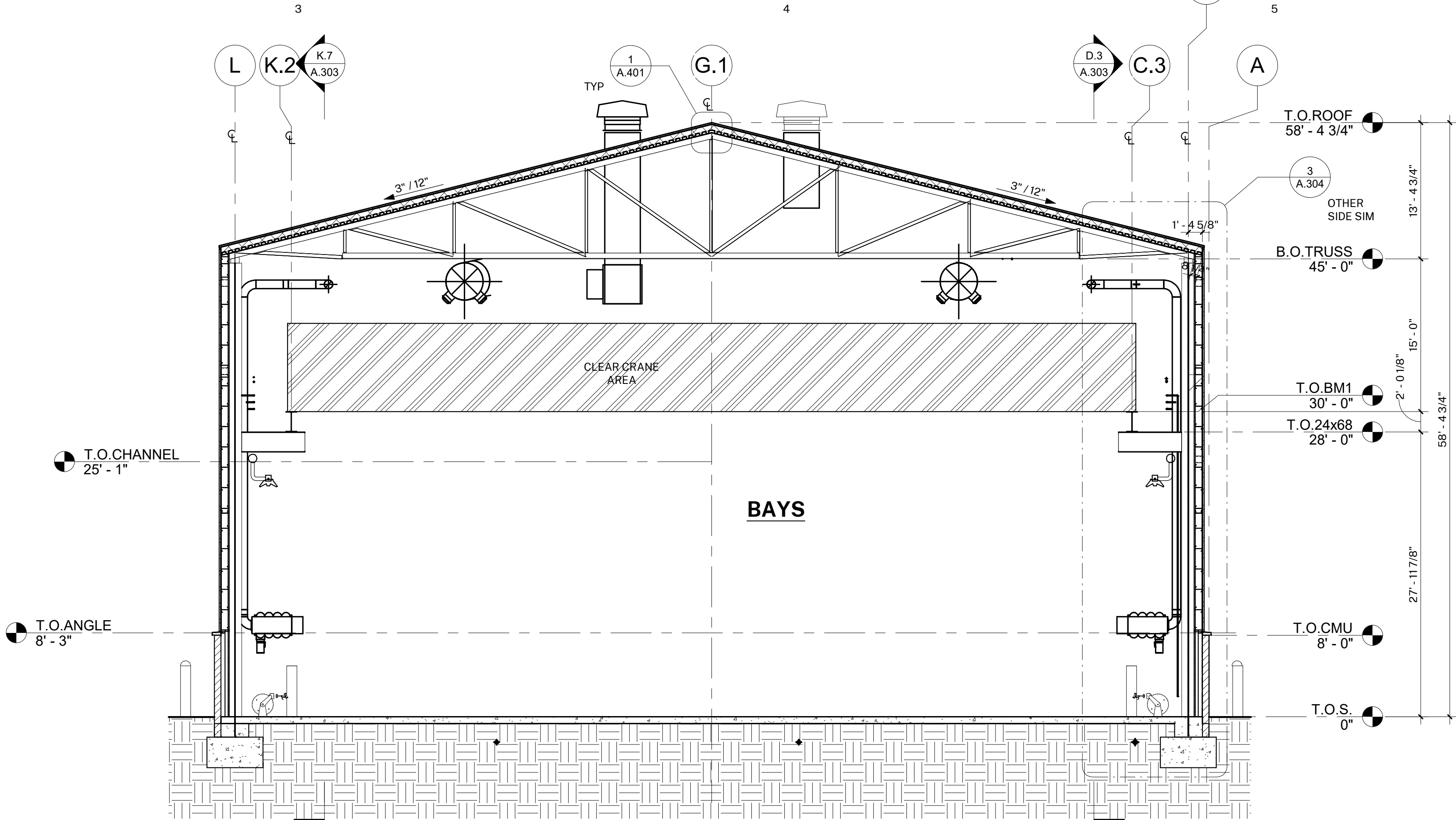
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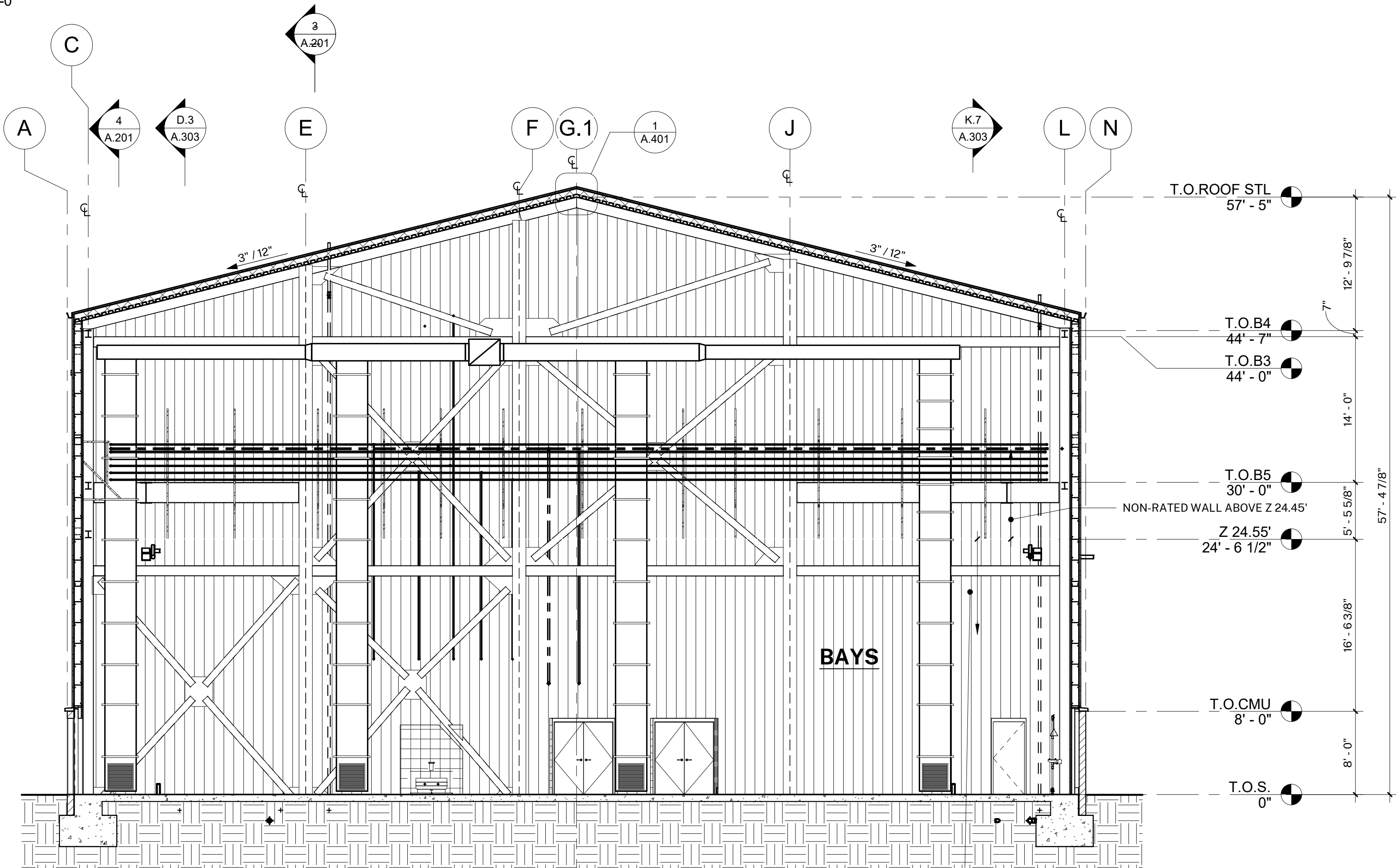
C

B

A



1.9 SECT 1.9
1/8" = 1'-0"



5.2 SECT 5.2
1/8" = 1'-0"

1-HR FIRE BARRIER BELOW Z 24.55'. (2) LAYERS 5/8" TYPE X GYPSUM BOARD APPLIED DIRECTLY TO FRAMING. THE BASE LAYER OF GYPSUM BOARD IS APPLIED EITHER PARALLEL OR AT RIGHT ANGLES TO THE WALL FRAMING AND ATTACHED WITH 1" TYPE S OR TYPE S-12 DRYWALL SCREWS SPACED 6" O.C. THE FACE LAYER OF GYPSUM BOARD IS APPLIED EITHER PARALLEL OR AT RIGHT ANGLES TO THE FRAMING AND ATTACHED WITH 1-5/8" TYPE S OR TYPE S-12 DRYWALL SCREWS SPACED 8" O.C. JOINTS OF THE FACE LAYER ARE OFFSET 24" FROM THE JOINTS IN THE BASE LAYER. FACE LAYER JOINTS AND FASTENERS ARE FINISHED TO LEVEL 1 AS SPECIFIED IN GYPSUM ASSOCIATION GA-14 "LEVELS OF GYPSUM BOARD FINISH". ASSEMBLY BASED UPON UL DESIGN U 301. PROVIDE 1-HR PROTECTIONS AT ALL MEMBRANE PENERTATIONS

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PROJECT:

**FT. HUACHUCA NEW
GROUND TRANSPORT
EQUIPMENT BUILDING**

OWNER:

US CORPS OF ENGINEERS
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915 WILSHIRE BLVD.
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CONTRACTOR:

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PROJECT ADDRESS:

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FORT HUACHUCA, ARIZONA

ISSUE:

MARK	DATE	DESCRIPTION

PROJECT INFORMATION:

PROJECT NUMBER: 2022.003
PROJECT PHASE: CD
DRAWN BY: MEH
REVIEWED BY: MEH

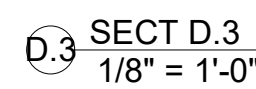
SHEET TITLE:

BUILDING SECTIONS

SHEET NUMBER:

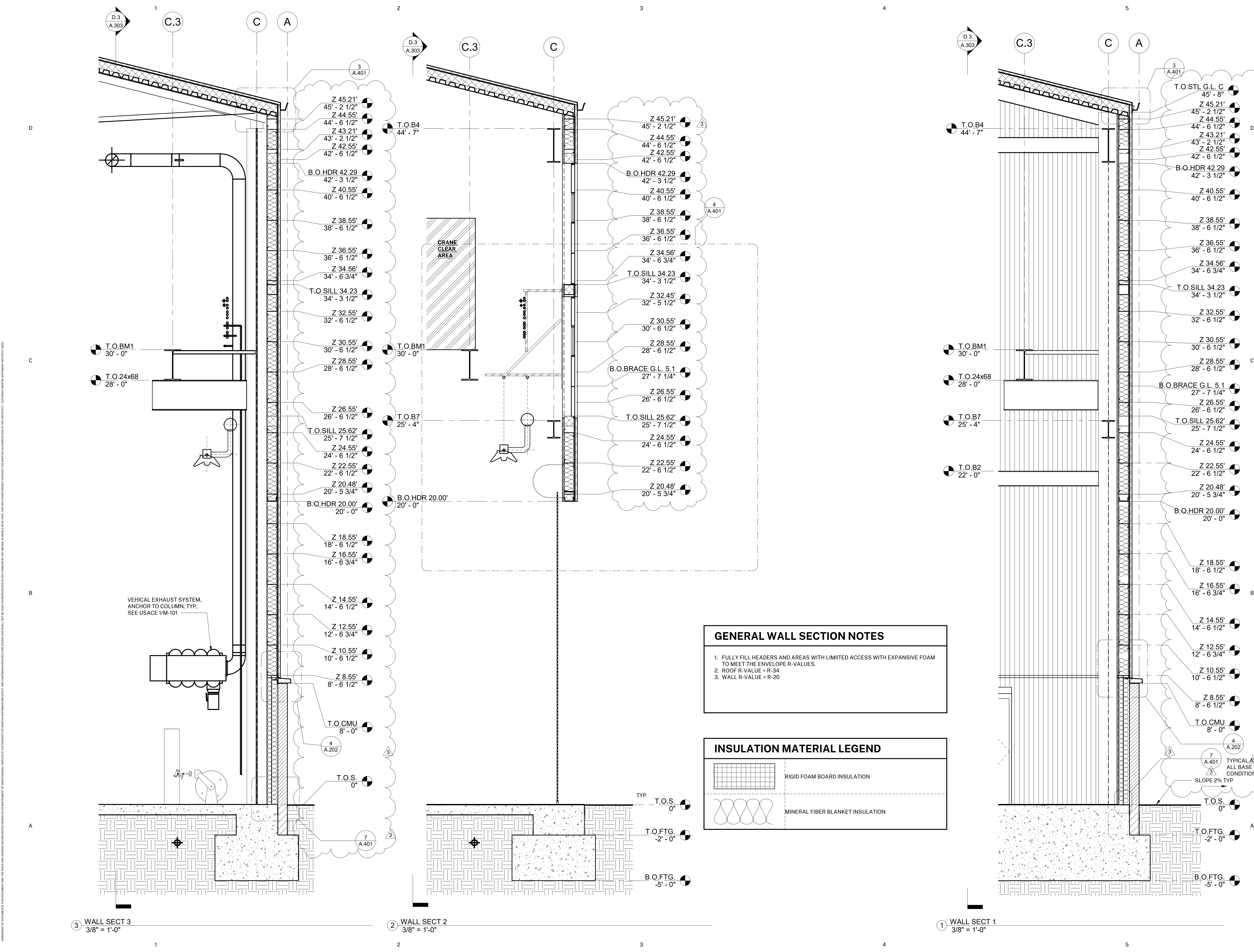
A.302

DATE: 07/07/22



DATE: 07/07/22

DATE: 07/07/22



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STATUS:

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SEALS:



PROJECT:

**FT. HUACHUCA NEW
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EQUIPMENT BUILDING**

OWNER:

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ISSUE:

MARK	DATE	DESCRIPTION
3	08/23/2022	ASI #01

PROJECT INFORMATION:

PROJECT NUMBER: 2022.003
PROJECT PHASE: CD
DRAWN BY: MEH
REVIEWED BY: MEH

SHEET TITLE:

WALL SECTIONS

SHEET NUMBER:

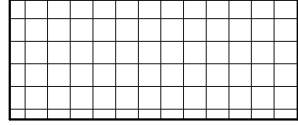
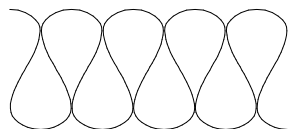
A.304

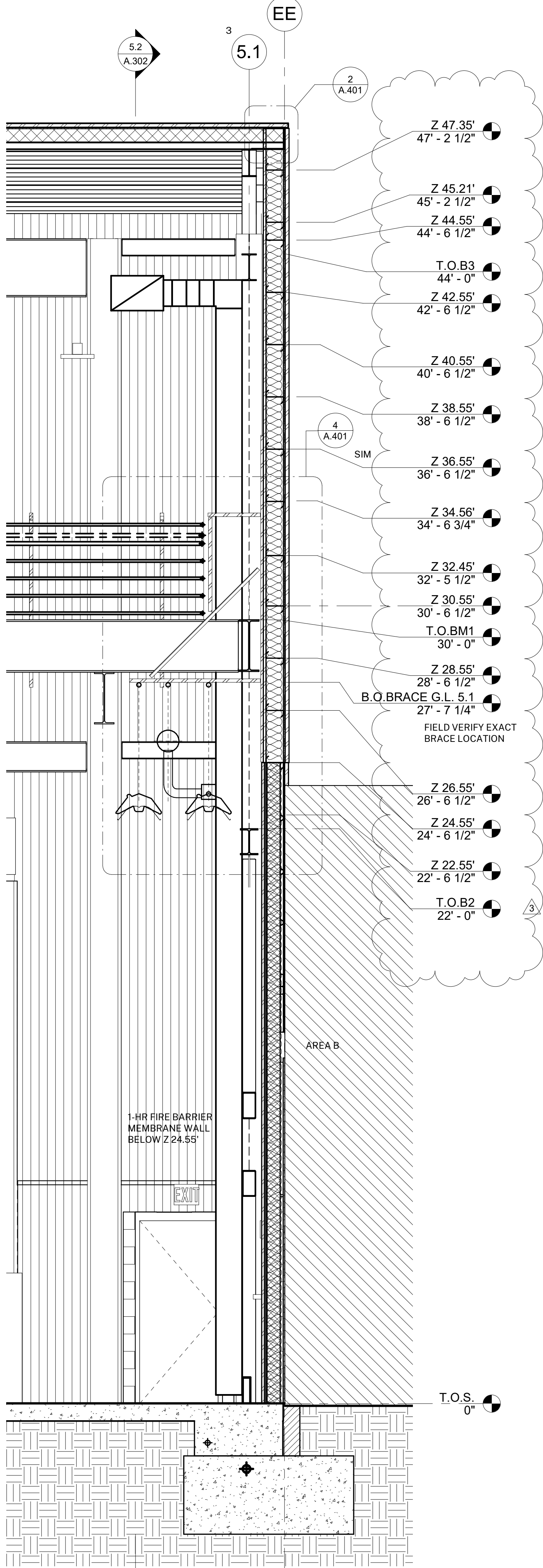
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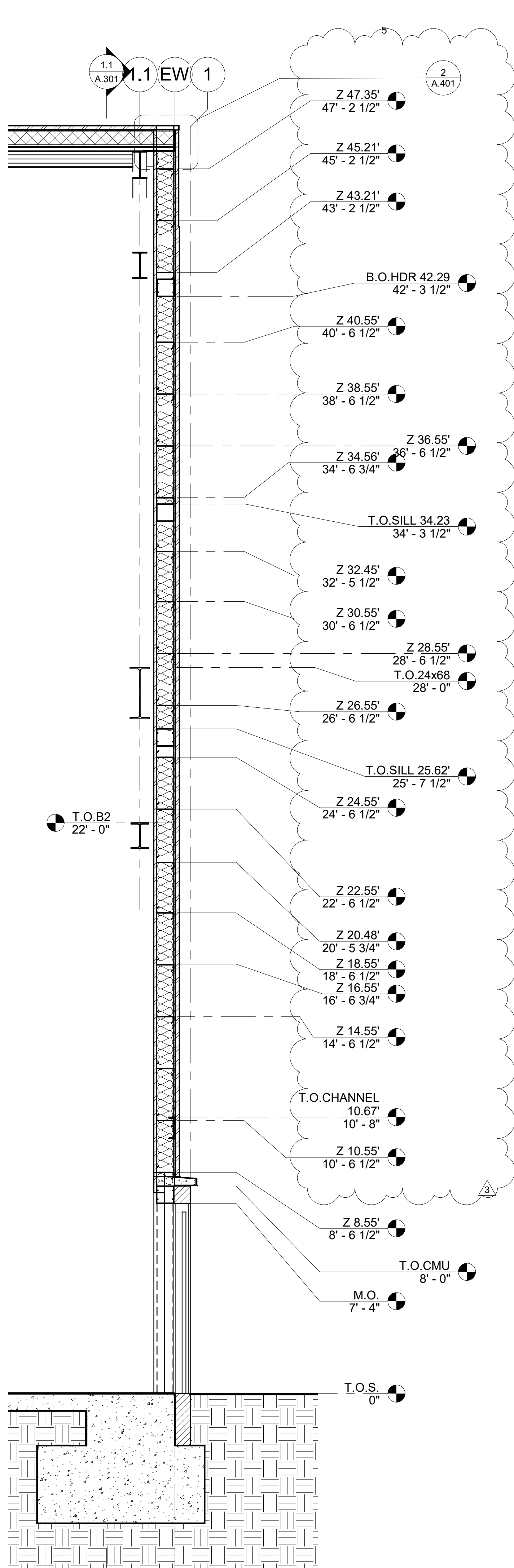
GENERAL WALL SECTION NOTES

1. FULLY FILL HEADERS AND AREAS WITH LIMITED ACCESS WITH EXPANSIVE FOAM TO MEET THE ENVELOPE R-VALUES.
2. ROOF R-VALUE = R-34
3. WALL R-VALUE = R-20

INSULATION MATERIAL LEGEND	
	RIGID FOAM BOARD INSULATION
	MINERAL FIBER BLANKET INSULATION



1 WALL SECT 9
3/8" = 1'-0"



2 WALL SECT 8
3/8" = 1'-0"

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CONSULTANTS:

STATUS:

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SEALS:



PROJECT:

**FT. HUACHUCA NEW
GROUND TRANSPORT
EQUIPMENT BUILDING**

OWNER:

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PROJECT ADDRESS:

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FORT HUACHUCA, ARIZONA

ISSUE:

MARK	DATE	DESCRIPTION
1	07/07/2022	AMG RFI's 114 & 115
3	08/23/2022	ASI #01

PROJECT INFORMATION:

PROJECT NUMBER: 2022.003
PROJECT PHASE: CD
DRAWN BY: MEH
REVIEWED BY: MEH

SHEET TITLE:

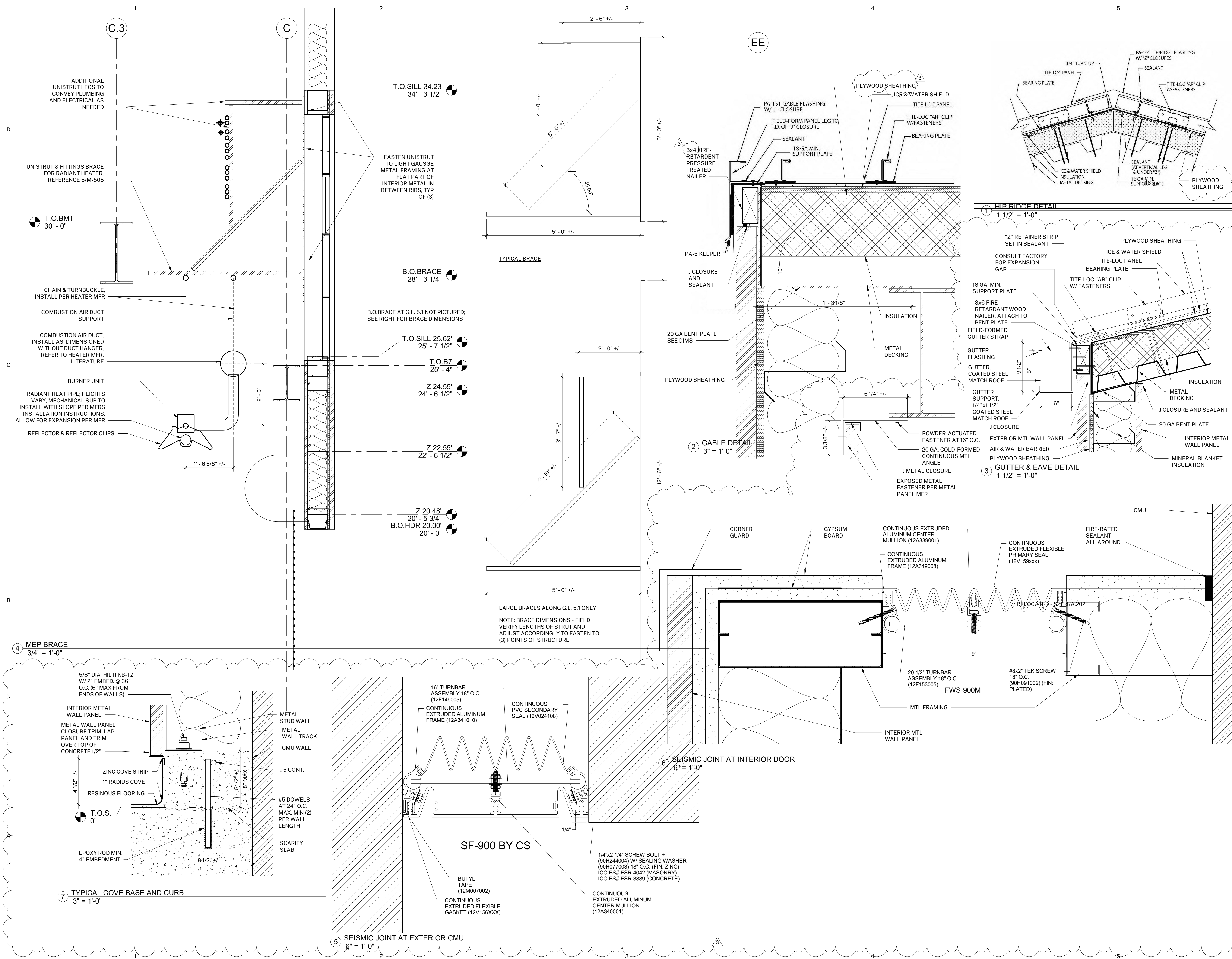
WALL SECTIONS

SHEET NUMBER:

A.305

DATE: 07/07/22

CONSULTANTS: HARTMANN ARCHITECTURE STUDIO
PROJECT: FT. HUACHUCA NEW GROUND TRANSPORT EQUIPMENT BUILDING
OWNER: US CORPS OF ENGINEERS
CONTRACTOR: AMG & ASSOCIATES
PROJECT ADDRESS: CORNER OF ARIZONA ST. & HUNT ST. FORT HUACHUCA, ARIZONA
ISSUE: 3
MARK: 08/23/2022
DATE: 08/23/2022
DESCRIPTION: ASI #01
PROJECT INFORMATION: PROJECT NUMBER: 2022.003
PROJECT PHASE: CD
DRAWN BY: MEH
REVIEWED BY: MEH
SHEET TITLE: DETAILS
SHEET NUMBER: A.401
DATE: 07/07/22



AGENCY APPROVAL:



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CONSULTANTS:

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SEALS:



PROJECT:

**FT. HUACHUCA NEW
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EQUIPMENT BUILDING**

OWNER:

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LOS ANGELES, CALIFORNIA 90017

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ISSUE:

MARK	DATE	DESCRIPTION
3	08/23/2022	ASI #01

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REVIEWED BY:	MEH

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SHEET TITLE:

DETAILS

SHEET NUMBER:

A.401

DATE: 07/07/22