ADDENDUM
NO. 2

June 7, 2021

HANOVER COMMUNITY SCHOOL CORPORATION - NEW RESOURCE CENTER AND RELATED WORK
Cedar Lake, IN 46303

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated May 17, 2021 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of page ADD 2-1 through ADD 2-2 and attached Addendum No. 2 from Gibraltar Design dated June 3, 2021 and consisting of 4 pages, Specification Section 07 42 64 Metal Panel Soffit, Specification Section 07 53 23 Roof Insulation and Membrane Roofing – EPDM, and 43 drawings.

A. SPECIFICATION SECTION 00 00 10 - TABLE OF CONTENTS

1. **Add:**

   Specification Section 07 42 64 – Metal Panel Soffit
   Specification Section 07 53 23 – Roof Insulation and Membrane Roofing - EPDM

B. SPECIFICATION SECTION 00 31 00 - BID FORM

1. **Replace:**

   Specification Section 00 31 00 - Bid Form with the attached revised Bid Form.

C. SPECIFICATION SECTION 01 12 00 – MULTIPLE CONTRACT SUMMARY

1. BID CATEGORY NO. 2 – GENERAL TRADES

a. **Add:**

Section 07 42 64 - Metal Panel Soffit
Section 07 53 23 - Roof Insulation and Membrane Roofing - EPDM

b. **Delete:**

Section 07 11 00 - Bituminous Dampproofing
Section 07 27 31 - Sheet Air and Water Resistive Barrier

2. BID CATEGORY NO. 3 – MASONRY

a. **Add:**

Section 07 11 00 - Bituminous Dampproofing
Section 07 27 31 - Sheet Air and Water Resistive Barrier

3. BID CATEGORY NO. 4 – DRYWALL & CEILINGS

a. **Add:**

Section 05 40 00 - Cold Formed Metal Framing

D. SPECIFICATION SECTION 01 23 00 - ALTERNATES

1. **Add:**

ALTERNATE NO. 8: State the cost to provide Schneider Electric Controls as installed by Precision Controls, if not already included in your Base Bid.

CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96

Format (Revised 2013)
(Amended for HCSC)

Hanover Community School Corporation
New Resource Center and Related Work

Cedar Lake, IN

PART I

(To be completed for all bids. Please type or print)

Date (month, day, year):_____

BIDDER (Firm) _____

Address _____ P.O. Box _____

City/State/Zip _____

Telephone Number: _____ Email Address: _____

Person to contact regarding this Bid_____

Pursuant to notices given, the undersigned offers to furnish labor and/or materials necessary to complete the public works project of:

_____
Insert Category No. (s) and Name(s)

Of public works project, ***Hanover Community School Corporation New Resource Center and Related Work***, in accordance with Plans and Specifications prepared by ***Gibraltar Design, 9102 N. Meridian St., Ste. #300, Indianapolis, IN 46260***, as follows:

BASE BID

For the sum of _____
(Sum in words)

_____DOLLARS ($_____)
(Sum in figures)

The undersigned acknowledges receipt of the following Addenda:
Receipt of Addenda No. (s) _____

PROPOSAL TIME

Bidder agrees that this Bid shall remain in force for a period of sixty (60) consecutive calendar days from the due date, and Bids may be accepted or rejected during this period. Bids not accepted within said sixty (60) consecutive calendar days shall be deemed rejected.

Attended pre-bid conference YES _____ NO_____

Has visited the jobsite YES _____ NO_____

The Bidder has reviewed the Guideline Schedule in Section 01 32 00 and the intent of the schedule can be met.

YES _____ NO_____

Bidder has included their Written Drug Testing Plan that covers all employees of the bidder who will perform work on the public work project and meets or exceeds the requirements set in IC 4-13-18-5 or IC 4-13-18-6.

YES _____ NO_____

The Skillman Corporation's diversity initiative is to create a program to encourage, assist and measure the active participation of Minority- Owned, Women-Owned, Veteran – Owned and Disabled Individual-Owned Businesses. The Program is to ensure that MWVDBEs are provided full and equal opportunity to participate in all Skillman Corporation's Projects.

Bidder has included:

DBE: YES _____% NO _____
MBE: YES _____% NO _____
WBE: YES _____% NO _____
VBE: YES _____% NO _____

The undersigned further agrees to furnish a bond or certified check with this Bid for an amount specified in the Notice to Bidders. If Alternate Bids apply, submit a proposal for each in accordance with the Plans and Specifications.

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the governmental unit. If the bid is to be awarded on a unit bases, the itemization of the units shall be shown on a separate attachment.

The contractor and his subcontractors, if any, shall not discriminate against or intimidate any employee, or applicant for employment, to be employed in the performance of this contract, with respect to any matter directly or indirectly related to employment because of race, religion, color, sex, national origin, or ancestry. Breach of this covenant may be regarded as a material breach of the contract.

CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS

I, the undersigned bidder, or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

ALTERNATE BIDS

A blank entry or an entry of “No Bid”, “N/A”, or similar entry on any Alternate will cause the bid to be rejected as non-responsive only if that Alternate is selected. If no change in the bid amount is required, indicate “No Change”.

****MARK "ADD" OR "DEDUCT" FOR EACH ALTERNATE****

Alternate Bid No. 1 - Full Building Bay Addition onto the Mechanics Building

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

Alternate Bid No. 2 - Two HVAC Units on Bus Garage

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

Alternate Bid No. 3 - Mechanics Building Mezzanine Storage Railing and Stairway

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

Alternate Bid No. 4 - One Additional In-Ground Bus Lift at Second Service Position

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

Alternate Bid No. 5 - South Canopy on Administration Building Entrance

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

Alternate Bid No. 6 - Folding Partition Wall at Board Room

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 7 - Small Generator at Administration Building

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 8 - Schneider Electric Controls installed by Precision Controls

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

PART II

(For projects of $150,000 or more – IC 36-1-12-4)

These statements to be submitted under oath by each bidder with and as a part of his bid. (Attach additional pages for each section as needed.)

SECTION I EXPERIENCE QUESTIONNAIRE

1. What public works projects has your organization completed for the period of one (1) year prior to the date of the current bid?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

2. What public works projects are now in process of construction by your organization?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

3. Have you ever failed to complete any work awarded to you?_____If so, where and why?

_____

_____

_____

4. List references from private firms for which you have performed work.

_____

_____

_____

SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE

1. Explain your plan or layout for performing proposed Work. (Examples could include a narrative of when you could begin, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.)

_____

_____

_____

_____

2. Please list the names and addresses of all subcontractors (i.e. persons or firms outside your own firm who have performed part of the work) that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor.

_____

_____

_____

_____

3. If you intend to sublet any portion of the work, state the name and addresses of each subcontractor, equipment to be used by the subcontractor, and whether you will required a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project.

_____

_____

_____

_____

4. What equipment do you have available to use for the proposed Project? Any equipment used by subcontractors may also be required to be listed by the governmental unit.

_____

_____

_____

_____

5. Have you into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which corroborate the process listed.

_____

_____

_____

_____

SECTION III CONTRACTOR'S FINANCIAL STATEMENT

Attachment of Bidder's financial statement is mandatory. Any Bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the Contract must be specific enough in detail so that said governing body can make a proper determination of the Bidder's capability for completing the Project if awarded.

SECTION IV CONTRACTOR NON-COLLUSION AFFIDAVIT

The undersigned Bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this Bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporations has, have, or will receive directly or indirectly, any rebate, fee, gift, commission, or thing of value on account of such contract.

SECTION V OATH AND AFFIRMATION

I HEREBY AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE FACTS AND INFORMATION CONTAINED IN THE FOREGOING BID FOR PUBLIC WORKS ARE TRUE AND CORRECT

Dated at _____this _____ day of _____, 20

_____
(Name of Organization)

By
_____

_____
(Title of Person Signing)

ACKNOWLEDGEMENT

STATE OF _____)
) SS:
COUNTY OF _____)

Before me, a Notary Public, personally appeared the above-named
_____

Swore that the statements contained in the foregoing document are true and correct.

Subscribed and sworn to before me this _____ day of _____,
_____
(Title)

_____
Notary Public

My Commission Expires: _____

County of Residence: _____

END OF SECTION 00 31 00

ADDENDUM TWO

Addendum Two (AD.02) to the drawings and specifications prepared by Gibraltar Design and The Skillman Corporation for **Hanover CSC New Resource Center and Related Work** for Hanover Community School Corporation, Cedar Lake, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original BID CATEGORY NO. Documents. All Contractors shall acknowledge on their bid form that they have received this Addendum and Addendum One, and include the appropriate content of same within their bid proposal.

SPECIFICATIONS

1. Specification Section 00 01 00 Table of Contents

A. Add new Specification Sections as follows:

1. 07 42 64 Metal Panel Soffit
2. 07 53 23 Roof Insulation and Membrane Roofing - EPDM

2. Specification Section 07 42 64 Metal Panel Soffit

A. Add Specification Section 07 42 64, Metal Panel Soffit, included in this Addendum, to the Project Manual.

3. Specification Section 07 53 23 Roof Insulation and Membrane Roofing - EPDM

A. Add Specification Section 07 53 23, Roof Insulation and Membrane Roofing - EPDM, included in this Addendum, to the Project Manual.

4. Specification Section 08 41 00 Aluminum Entrances and Storefronts

A. Revise Paragraph 2.3.I.1 to read as follows: "Doors with FRP face sheets as manufactured by Special-Lite, Kawneer, Vale; or approved equal."

5. Specification Section 10 26 00 Wall Protection

A. Add new Paragraph 1.1.B. as follows:

"B. This Section also includes wall panel protection applied to Fire Treated Plywood."

B. Add new Paragraph 2.4 Wall Protection as follows:

" 2.4 Wall Protection

A. Impact-Resistant Sheet Wall Covering: Fabricated from fiberglass or plastic sheet wall covering material.

1. Sheet Thickness: One-piece, rigid plastic, minimum 0.093-inch wall thickness.
   a. Size: Nominal 48-inch by 96-inch sheet.
   b. Color: As indicated in Finish Legend.
   c. Height: Refer to Drawings.
2. Trims and Joint Moldings: Extruded rigid plastic that matches sheet wall covering color."

DRAWINGS

6. Sheets A-101 through A-109 Inclusive

A. Refer to Nine (9) revised Full Size Drawing Sheets included in this Addendum for the revisions.

7. Sheets A-104

A. Refer to Toilet Room C-104, Add Note 58 to point to the two metal lockers in the northwest corner of room.

8. Sheet A-201

A. Refer to revised Full Size Drawing Sheet included in this Addendum for revisions.

9. Sheets A-301 through A-304

A. Refer to four (4) revised Full Size Drawing Sheets included in this Addendum for revisions.

10. Sheets A-402, A-403, A-405 through A-410 Inclusive

A. Refer to Eight (8) revised Full Size Drawing Sheets included in this Addendum for the revisions.

11. Sheets A-501 and A-502

A. Refer to two (2) revised Full Size Drawing Sheets included in this Addendum for revisions.

12. Sheets A-601 through A-603 inclusive

A. Refer to Three (3) revised Full Size Drawing Sheets included in this Addendum for revisions.

13. Sheets A-901 through A-904 Inclusive

A. Refer to Four (4) revised Full Size Drawing Sheets included in this Addendum for revisions.

14. Sheet M-101

A. Refer to revised Full Size Drawing Sheet included in this Addendum for the following revisions:

1. REVISED F-2 location per mechanical room change. Refer to revised drawing for additional information.

15. Sheet P-001

A. Refer to revised Full Size Drawing Sheet included in this Addendum for the following revisions:

1. ADDED IWH-4 in Plumbing Equipment and Fixture Schedule. Refer to revised drawing for additional information.

16. Sheet P-101

A. Refer to revised Full Size Drawing Sheet included in this Addendum for the following revisions:

1. REVISED sanitary for added mop basin in Mech A-110. Refer to revised drawing for additional information.

17. Sheet P-102

A. Refer to revised Full Size Drawing Sheet included in this Addendum for the following revisions:

1. ADDED mop basin. Refer to revised drawing for additional information.

18. Sheet P-104

A. Refer to revised Full Size Drawing Sheet included in this Addendum for the following revisions:

1. ADDED sink and revised sanitary for sink. Refer to revised drawing for additional information.

19. Sheet P-111

A. Refer to revised Full Size Drawing Sheet included in this Addendum for the following revisions:

1. ADDED mop basin and IWH-4. Refer to revised drawing for additional information.

20. Sheet P-112

A. Refer to revised Full Size Drawing Sheet included in this Addendum for the following revisions:

1. ADDED mop basin. Refer to revised drawing for additional information.

21. Sheet P-113

A. Refer to revised Full Size Drawing Sheet included in this Addendum for the following revisions:

1. ADDED air compressor piping. ADDED mop basin and IWH-4. Refer to revised drawing for additional information.

22. Sheet P-114

A. Refer to revised Full Size Drawing Sheet included in this Addendum for the following revisions:

1. ADDED sink and associated piping. Refer to revised drawing for additional information.
2. REVISED EWC to EWC-2.

23. Sheet P-502

A. Refer to revised Full Size Drawing Sheet included in this Addendum for the following revisions:

1. REVISED Riser Diagram for added sink and mop basin. Refer to revised drawing for additional information.

24. Sheet EP-101

A. Refer to revised Full Size Drawing Sheet included in this Addendum for the following revisions:

1. ADD Electrical disconnect and connection for new IWH-4. Refer to revised drawing for additional information.

25. Sheet E-603

A. Refer to revised Full Size Drawing Sheet included in this Addendum for the following revisions:

ADD IWH-4 connection to panel PP-1. Refer to revised drawing for additional information.

Pages 1 through 4, inclusive, Specification Sections 07 42 64 and 07 53 23, and forty-three (43) full-size Drawings constitute the total makeup of **Addendum Two**.

GIBRALTAR DESIGN

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SECTION 07 42 64
METAL PANEL SOFFIT

1 General

1.1 Section Includes

A. Field assembled preformed metal soffit panels with related accessory components.

1.2 Related Sections

A. Section 05 12 00 - Structural Steel: Structural steel frame.

B. Section 05 50 00 - Miscellaneous Metals: Steel girts and steel supports.

C. Section 13 34 19 - Metal Building Systems.

1.3 References

A. ASTM A153 - Zinc Coating (Hot-Dip) on Iron and Steel Hardware.

B. ASTM E72 - Strength Tests of Panels for Building Construction.

1.4 Performance

A. Preformed metal panel system to withstand code imposed design loads in accordance with ASTM E72.

1. Maximum Allowable Deflection of Span: 1/180.

2. Design Uniform Wind Load: In accordance with requirements of Indiana Building Code applicable codes.

B. System to accommodate movement of components without buckling, failure of joint seals, undue stress on fasteners, or other detrimental effects, when subject to seasonal temperature ranges.

C. System to accommodate tolerances of structure.

D. Provide positive drainage to exterior for moisture entering or condensation occurring within panel system.

1.5 Submittals

A. Submit shop drawings and product data under provisions of Division 1.

B. Indicate materials, dimensions, panel layout, construction details, method of anchorage, method of installation, and closures.

C. Submit manufacturer's available color samples for selection under provisions of Division 1.

D. Submit manufacturer's installation instructions under provisions of Division 1.

1.6 Delivery, Storage, And Handling

A. Handle all materials carefully to avoid damage to surface coatings.

B. Protect materials from traffic, dirt, and stains.

C. Cover materials at job site until installed.

1.7 Warranty

A. Provide ten (10) year warranty on finish against failures due to noticeable checking, peeling, blistering, and chalking.

2 Products

2.1 Field Assembled Metal Panel Siding - Acceptable Manufacturers

A. Centria, Pittsburgh, Pennsylvania.

B. Firestone Una-Clad, Nashville, Tennessee.

C. MBCI, Shelbyville, Indiana.

2.2 Sheet Materials

A. Sheet Stock: Minimum embossed 0.032 inch aluminum sheet.

2.3 Materials

A. Sealants and Gaskets: Manufacturer's standard type suitable for use with installation of metal panel system; non-staining; non-shrinking and non-sagging; ultra-violet and ozone resistant for exterior applications; color as selected.

B. Fasteners: Manufacturer's standard concealed type to suit application; galvanized in accordance with ASTM A153 with 1.25 ounces per square foot coating.

C. Sub-Girts – if required: 20 gage steel, zinc-coated to 1.25 ounces per square foot coating in accordance with ASTM A153; profile as indicated to accept building panel system for attachment to structural frame.

1. All additional supports or framing required to attach to supplied structural framing as shown on the Structural Drawings, shall be provided by the metal framing installer.

D. Touch-up Paint: As recommended by panel manufacturer.

E. Bituminous Paint: As recommended by panel manufacturer.

2.4 Fabrication

A. Exterior Soffit Panels: Sheet stock; profile as indicated; 1-inch deep, 12-inches wide; interlocking edges fitted with continuous gaskets or filled with sealant.

1. Profile: Centria, IW-10A; Firestone UNA-CLAD UC-500; MBCI Artisan.

B. Internal and External Corners: Same material, thickness, and finish as metal panels; profile to suit system; shop cut and factory mitered to required angles.

C. Trim, Closure Pieces, Fascias, and Caps: Same material, thickness, and where exposed, of same finish as sheet stock; brake formed to required profiles.

D. Fabricate panels in lengths to eliminate multiple joints.

1. Countersink end laps or butt with lap strips.

E. Fabrication of component profiles on site not permitted.

2.5 Finish

A. Exposed Surfaces: 1.0 mil thick, 70 percent Kynar 500 or Hylar 5000 type finish, over minimum 0.2 mil baked-on modified epoxy primer; of color as selected by the Architect, from the manufacturer's available range.

B. Reverse Side: Wash coat of 0.3 to 0.4 mil dry film thickness as standard with the manufacturer.

3 Execution

3.1 Inspection

A. Beginning of installation means acceptance of existing conditions.

3.2 Installation

A. Install metal panel system on walls in accordance with manufacturer's instructions.

B. Protect panel surfaces in contact with cementitious materials and dissimilar metals with bituminous paint.

1. Allow to dry prior to installation.

C. Remove site cuttings from finish surfaces.

D. Permanently fasten panel system to structural supports; align, level, and plumb, within specified tolerances.

E. Locate panel joints over supports.

1. End lap panels minimum 2 inches, or as recommended by the manufacturer.

F. Use concealed fasteners unless otherwise approved by the Architect.

G. Seal and place gaskets to prevent weather penetration and to make installation air tight.

1. Maintain neat appearance.

H. Clean all surfaces immediately after erection.

3.3 Tolerances

A. Maximum Offset From True Alignment Between Adjacent Members Butting or In Line: 1/16 inch.

B. Maximum Variation from level Indicated on Drawings: 1/8 inch.

END OF SECTION

SECTION 07 53 23
ROOF INSULATION AND MEMBRANE ROOFING - EPDM

1 General

1.1 Section Includes

A. Roof insulation, membrane roofing, and flashing.

B. Wood nailers and blocking for the attachment of roofing.

C. Sealant where roofing materials are installed.

D. Installation of all materials in accordance with manufacturer's currently published specifications and details consistent with job conditions.

E. Vapor barrier over metal roof deck.

1.2 Products Installed but not Furnished Under This Section

A. Section 05 31 23 - Steel Roof Deck: Insulation in perforated ribs of acoustical metal deck.

B. Section 07 21 13 – Board Insulation

1.3 Related Sections

A. Section 06 10 00 – Rough Carpentry: New wood roof curbs.

1.4 References

A. ASTM C272 - Water Absorption of Core Materials for Structural Sandwich Constructions.

B. ASTM C1289 – Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board.

C. AWPA, Standard C2: Lumber, Timber, Bridge Ties and Mine Ties - Preservative Treatment by Pressure Process.

D. AWPB Standard LP2: Standard for Soft Wood Lumber, Timber and Plywood Pressure Treated with Water Borne Preservatives for Above-Ground Use.

E. UL Building Materials Directory.

1.5 System Description

A. Roofing and Flashing System: Fully Adhered Roofing Systems as manufactured by Acceptable Manufacturers indicated in Part 2 of this Section.

B. Flashings: Install flashing and counterflashing at walls, for all openings in roof coverings, for all vertical projections above the roof, and elsewhere as required.

C. FMG Listing: Provide roofing membrane, base flashings, and component materials that comply with requirements in FMG 4450 and FMG 4470 as part of a membrane roofing system.

1. Fire/Windstorm Classification: Class 1A-90.

2. Hail Resistance: SH.

D. Provide flashings required where the new addition abuts the existing building.

1.6 Quality Assurance

A. Applicator:

1. Experienced and trained installers as approved by the roofing system manufacturer.

2. Bidders for the roofing system must furnish evidence of his manufacturer's current approval status with the bid.

1.7 Regulatory Requirements

A. UL Class A Fire Hazard Classification.

1.8 Submittals

A. Submit shop drawings under the provisions of Division 1.

1. Include fastener type, quantity, and spacing for mechanical attachment of thermal barrier, insulation materials, and insulation overlay board to meet requirements of Indiana Building Code applicable codes, rules, and regulations, and in accordance with manufacturer's recommendations.

B. Submit samples of ballast under the provisions of Division 1.

1. Submit delivery tickets, or true photocopies thereof, showing weights delivered and applied to the roof.

C. Submit shop drawings showing panel layout for tapered insulation.

D. Submit a signed certification that the roof deck, insulation, and all roofing materials are of the type and applied in accordance with the applicable UL construction classifications as listed in the current edition of the UL Building Materials Directory and that roof covering materials conform with UL Class A.

1.9 Delivery, Storage, And Handling

A. Deliver products to site under provisions of Division 1.

B. Under provisions of Division 1, store materials in weather protected and properly ventilated environment clear of ground and moisture.

C. Do not exceed safe liveload carrying capacity in stacking procedure of roofing or insulation materials on the roof decks.

1.10 Preinstallation Conference

A. Prior to the installation of any materials, there shall be a joint meeting between the Owner, ArchitectConstruction Manager, Roofing Contractor, and authorized representative of the Roof Membrane Manufacturer to review all procedures and materials to be used in the work specified.

1.11 Warranty

A. Contractor's Warranty: Include coverage of any and all defects in workmanship and material which may appear within a period of two (2) years after the completion and acceptance of the work by the Architect Construction Manager and Owner. This includes the insulation as well as all roof surfacing materials.

B. Manufacturer's Warranty: Provide twenty (20) year total systems warranty without monetary limitation, in which manufacturer agrees to repair or replace components of membrane roofing system that fail in materials or workmanship within specified warranty period. Failure includes roof leaks. This warranty runs concurrently with Contractor's Warranty.

2 Products

2.1 Roof Membrane

A. Acceptable Manufacturers:

1. Carlisle SynTec Systems, Carlisle, Pennsylvania.
2. Firestone Building Products, Carmel, Indiana.
3. Versico Roofing Systems, Carlisle, Pennsylvania.
4. GenFlex Roofing Systems, Maumee, Ohio.

B. Fully Adhered Unballasted System: Fire Retardant EPDM membrane, 0.060 inch thick, unreinforced.

C. Provide membranes in the largest possible dimension as determined by job conditions.

2.2 Insulation

A. Insulation Thickness: Total thickness of insulation to be as indicated on the drawings, provide positive sloping to drains as a complete system.

B. Polyisocyanurate: ASTM C1289, both faces finished with fiberglass mat. R-value of polyisocyanurate insulation shall be based on LTTR 5.6 per inch of thickness.

C. Insulation Overlay Board: Provide one of the following:

1. 1/2 inch thick DensDeck Prime overlay board as manufactured by Georgia Pacific Corporation, Atlanta, Georgia; or 1/2 inch thick Securock Roof Board as manufactured by United States Gypsum Company, Chicago, Illinois.

2. 1/2 inch thick high density (Minimum 100 psi) polyisocyanurate overlay board.

   a. Firestone Building Products; Isogard HD Cover Board.

   b. Carlisle SecurShield HD Cover Board.

D. Thickness of Insulation: Total thickness as indicated on drawings consisting of layers of polyisocyanurate as required and one layer of insulation overlay board, unless specifically noted otherwise.

E. Tapered Insulation System: Tapered extruded polystyrene polyisocyanurate insulation as supplied by the insulation manufacturer – as required for sloping to drains.

1. Provide insulation blocks with a tapered surface; minimum 1/4 inch per foot taper; R value of 5.6 per inch of thickness.

   a. Where tapered insulation abuts other construction at a specific elevation, adjust slope to meet that condition.

2. Factory fabricate miters, consisting of two diagonally cut blocks with all edges matching in thickness with abutting blocks.

F. Vapor Barrier:

1. Class I vapor retarder: Perm rating = .02.

2. Self-adhered, SBS asphaltic vapor barrier membrane installed per manufacturer's requirements and over manufacturer approved substrate.

3. Firestone Building Products; V-Force Barrier Membrane.

4. Carlisle VapAir Seal 725TR.

2.3 Flashing

A. Flashing: 0.060 inch thick sheet flashing as manufactured by the membrane manufacturer.

B. Mechanical Termination: 1 inch by 1/8 inch aluminum bar with predrilled holes at spacing recommended by the membrane manufacturer.

2.4 Sealant

A. Use sealant materials compatible with the roofing materials, as recommended by the membrane manufacturer.

B. Non-staining, water resistant, gun grade urethane or silicone sealant as approved by the membrane manufacturer.

2.5 Wood Nailers, Plywood, And Blocking

A. Preservative Treatment by Pressure Process: AWPA C2 and C9.

1. Preservative Chemicals: Acceptable to authorities having jurisdiction and containing no arsenic or chromium.

B. Dry lumber after treatment to a maximum moisture content of 19 percent.

C. Dry plywood after treatment to a maximum moisture content of 18 percent.

D. Do not use material that is warped or does not comply with requirements for untreated material.

E. Mark material with treatment quality mark of an inspection agency approved by the ALSC Board of Review.

F. Application: Treat items indicated on Drawings, and the following:

1. Wood cants, nailers, curbs, equipment support bases, blocking, stripping, and similar members in connection with roofing, flashing, and vapor barriers.

2. Wood blocking, furring, stripping, and similar concealed members in contact with masonry or concrete.

2.6 Adhesives And Accessories

A. Adhesives: Compatible with materials with which it is used, furnished by the membrane manufacturer.

B. Preformed Cone and Vent Sheet Flashings: Furnished and approved by membrane manufacturer.

C. All other materials not specifically described, but required for a complete and proper installation of roofing shall be as selected by approved manufacturer and subject to approval of Architect.

3 Execution

3.1 Inspection

A. Complete construction of any bay or any section of roof before beginning roofing work.

B. Verify roof surfaces are smooth, firm, dry, and free from dirt or foreign material and have been approved.

C. Verify vents and other projections through the roofs are properly flashed and secured in position.

D. Immediately prior to installing the membrane inspect all areas to determine that they are free from all debris and other irregularities.

E. Examine and try all surfaces on which or against which this work is to be applied and notify the ArchitectConstruction Manager in writing of any surfaces that are unsuitable to receive this work.

F. Notify the Architect's Field Representative **or** Construction Manager prior to the installation of the roof membrane.

G. Beginning of installation means acceptance of existing conditions.

3.2 Insulation Application

A. General:

1. Cut insulation to fit neatly around all projections through the roof with long joints continuous and end joints staggered.

2. Lay in layers of insulation and one layer of insulation overlay board with all seams staggered between the layers.

3. Bring insulation units into moderate contact with one another without forcing.

4. Fill any open joints or voids in the insulation with an approved loose fill insulation.

5. Install additional insulation at low areas and feather off flush to provide positive drainage in all areas.

6. Note the sloping of the roof construction to the roof drain locations.

   a. Feather the insulation down at all roof drains.

   b. Upon completion all roof surfaces must be uniform, must not trap or pocket water, and must drain properly to the roof drains.

7. Install only as much insulation which can be roofed by the end of the day and properly protect all surfaces and edges of insulation left exposed at the end of each work day.

   a. Ensure that the work in progress is water tight at the end of the day.

8. Loosely lay insulation units on roof decks to receive ballasted system and bring into moderate contact with one another without forcing.

9. Install structural insulated sheathing on back side of parapets. Reference Section 07 21 13 for product specification.

10. Install insulation on roof decks to receive fully adhered system with approved mechanical fasteners at spacing as recommended by the membrane manufacturer to meet requirements in FMG's "Approval Guide" for specified Windstorm Resistance Classification.

B. Insulation on New Canopies to Receive Fully Adhered Membrane: Install one layer of one inch thick insulation and the overlay board.

C. Tapered Insulation System:

1. Provide one layer of insulation overlay board over the tapered insulation.

2. Minimum total thickness of tapered roof insulation, including the insulation and insulation overlay board; inch at roof edge drains.

a. As required for positive drainage.

3.3 Membrane Installation

A. Fully Adhered System: Fully adhere the roof membrane to the overlay board.

B. Provide seams with two independent seals formed by splicing cement or splicing tape and by subsequent sealing with lap sealant.

1. Make seams by lapping the roofing sheets a minimum of 3 inches over themselves.

2. Check seams for continuity and integrity, and seal with lap sealant.

3. Splice and seal all seams the same day.

C. Water cut-offs may be made on incomplete roof areas in accordance with the membrane manufacturer's recommendations.

3.4 Flashing

A. Install flashing at all vertical surfaces, roof interruptions, and penetrations.

1. Complete splice between flashing and main roof membrane before bonding flashing to vertical surfaces.

2. Seal splice at least 3 inches beyond fasteners holding membrane to the wood nailers.

3. Apply bonding adhesive to both the membrane and to the surface to which membrane is to be applied.

4. After the bonding adhesive has dried to dry finger touch, roll flashing into adhesive with no voids or bridging where there is a change of direction of the flashing.

5. Use lap sealant at the splice edge of flashing at roof deck and at top edge of all flashings at vent pipes.

B. Mechanical Termination: Where membrane flashing terminates on a wall, set edge of flashing in water cut-off mastic and cover with an aluminum bar secured by mechanical fasteners to make a tight seal.

3.5 Sealant

A. Caulk bed joints above flashings where roof materials are installed with sealant.

B. Install sealant in accordance with the manufacturer's instructions.

3.6 Wood Blocking, Plywood, And Nailers

A. Install wood blocking, plywood, and nailers in accordance with the manufacturer's currently published details consistent with the job conditions.

3.7 Protection

A. It is imperative that all precautions are used to be sure that all surfaces are thoroughly water tight at the end of each day or when rain is imminent.

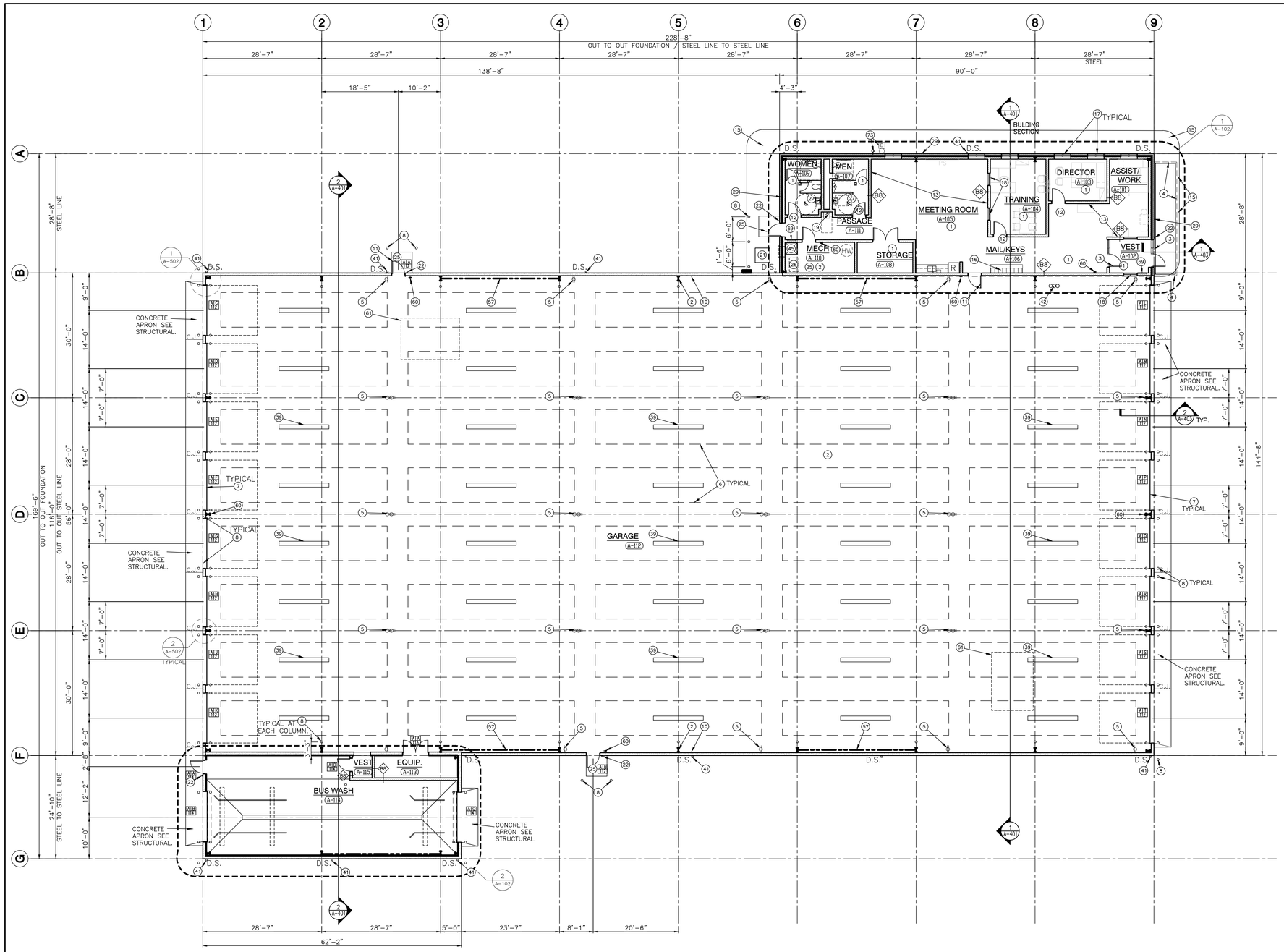
B. Remove only as much of the existing roofing materials that can also be covered back up with new materials the same day, or cover area to prohibit the penetration of rain or moisture at any time within the building.

3.8 Field Quality Control

A. At the completion of the roofing work there will be a joint meeting between the Owner, ArchitectConstruction Manager, Roofing Contractor, and authorized representative of the Roof Membrane Manufacturer at the job site for a field inspection of all roof surfaces to determine the extent of any remedial work required prior to acceptance of the work by the Architect Construction Manager and Owner.

B. All penetrations through roof membrane shall be the responsibility of the Roofing Contractor.

END OF SECTION



BUILDING A BUS GARAGE PLAN

SCALE: 3/32" = 1'-0" (PRE-ENGINEERED METAL BUILDING)

NORTH

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G1 SERIES SHEETS.

B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.

C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.

D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.

G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.

H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.

I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.

J. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

K. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

PLAN LEGEND:

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-603 BUILDING 'D' ONLY FOR ELEVATIONS AND DETAILS.

INDICATES WALL TYPES REFER TO G-301 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. 2X2 ACOUSTICAL CEILING TILE.
2. EXPOSED STRUCTURE PAINTED.
3. ALUMINUM STOREFRONT.
4. CANOPY.
5. OVERHEAD POWER CHORD REELS REF "E" SERIES DRAWINGS.
6. SCHOOL BUS OUTLINE POSITION.
7. 12'-0" X12'-0" MOTOR OPERATED SECTIONAL OVERHEAD INSULATED GARAGE DOOR AND TRACK.
8. 6" DIAMETER CONCRETE FILLED STEEL PIPE BOLLARDS. REFER TO SPECIFICATIONS.
9. PREFINISHED METAL WALL AND CEILING LINE PANELS WITH SEAM RAPE AND GASKETED SCREWS. SEE BUILDING SECTIONS.
10. PEMB (PRE-ENGINEERED METAL BUILDING)-INSULATED WALLS R-13 AND ROOF R-19.
11. EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME.
12. ALL INTERIOR DOORS TO BE 3'-0" SOLID CORE WOOD WITH HOLLOW METAL FRAMES UNLESS NOTED OTHERWISE.
13. ALL INTERIOR WALLS TO BE TYPE B8 AND INTERIOR CHASE WALLS TO BE TYPE B6.
14. FLOOR DRAIN. SEE PLUMBING.
15. CONCRETE WALK. SEE CIVIL.
16. PLASTIC LAMINATED MAILBOXES. SEE A700 SERIES.
17. 4'-0"W X 6'-0"H FIXED ALUMINUM WINDOW.
18. HOLLOW METAL FRAMED WINDOW.
19. ELECTRIC WATER COOLER. ADA ACCESSIBLE. SEE PLUMBING.
20. 3/4" FIRE TREATED PLYWOOD FROM FLOOR TO 8'-0" A.F.F. ON ALL SIDES OF INTERIOR PEMB GIRT SYSTEM. HOLD OFF FLOOR 1/2". PAINT.
21. ELECTRICAL EQUIPMENT. SEE ELECTRICAL.
22. DOOR ACCESS CONTROL.
23. KITCHENETTE: BASE/WALL CABINETS, SS SINK. SEE A700 SERIES.
24. HOLLOW METAL DOOR AND FRAME.
25. 4" THICK 5'-0" X 5'-0" MIN. CONCRETE STOOP SLOPE AWAY FROM DOOR AT 1/4:12. TURN EDGES DOWN.
26. FURNACE. SEE MECHANICAL.
27. SOLID PLASTIC TOILET PARTITIONS. REFER TO SPECIFICATIONS.
28. AUTOMATIC BUS WASHING SYSTEM. REFER TO SPECIFICATIONS.
29. BRICK VENEER OVER PEMB.
30. INSULATED METAL PANELS OVER 8" CMU WALL CONSTRUCTION.
31. WALL LOUVER. SEE MECHANICAL.
32. MILLWORK. SEE A700 SERIES.
33. SPECIALTY BACK WALL (USE OF ACRYLIC).
34. MANUAL OPERATION FOLDING WALL SYSTEM WITH POCKET DOORS.
35. VMC, PANELIZED BACK WALL (WOOD OR P.LAM) W/ REPRESSED TECHNOLOGY BOARDS.
36. BUS WASH EQUIPMENT. SEE PLUMBING.
37. IN-GROUND BUS LIFT. SEE STRUCTURAL.
38. FIRE CONNECTION. SEE CIVIL.
39. TRENCH DRAIN CONNECT TO OIL SEPARATOR. SEE PLUMBING.
40. REFRIGERATOR BY OWNER.
41. PREFINISHED METAL DOWNSPOUT WITH ALUMINUM BOOT. COORDINATE WITH CIVIL.
42. OIL SEPARATOR. SEE PLUMBING.
43. ACCESS DOOR 16" X 24".
44. EYEWASH STATION. SEE PLUMBING.
45. MOP BASIN. CONNECT TO OIL SEPARATOR. SEE PLUMBING.
46. CLEAN SINK. CONNECT TO OIL SEPARATOR. SEE PLUMBING.
47. 12'-0" X 12'-0" MOTOR OPERATED ROLL-UP DOOR WITH VISION PANEL. 1
48. ~~ADA 36"X36" TRANSFER SHOWER. SEE PLUMBING.~~
49. ALTERNATE: CHECKER PLATE STEEL STAIR.
50. ALTERNATE: METAL GUARD RAIL.
51. WALL EXHAUST FAN MOUNTED TO ROOF STRUCTURE. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
52. UNIT HEATER MOUNTED TO ROOF STRUCTURE. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
53. ROOF EXHAUST FAN. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
54. WALL MOUNT EXHAUST LOUVER ABOVE DOOR. SEE MECHANICAL.
55. PACKAGE A/C UNIT. SEE MECHANICAL.
56. FRP PANEL ON FIRE RETARDANT TREATED PLYWOOD 8'-0" HIGH.
57. PEMB CROSS BRACING. PAINT.
58. METAL LOCKERS (ONE ADA).
59. ADA CLOTHES HOOK.
60. FIRE EXTINGUISHER AND CABINET.
61. ALTERNATE: APPROXIMATE LOCATION OF ROOFTOP HVAC UNIT. SEE MECHANICAL. PROVIDE ROOF CURB FOR STANDARD PEMB ROOFING.
62. WALL MOUNTED ELECTRIC CABINET HEATER. SEE MECHANICAL.
63. 12" WIDE SHELF WITH CLOTHES ROD. SEE A700 SERIES.
64. CAST-IN-PLACE CONCRETE WALL 4'-0" HIGH.
65. POWER RECEPTACLE. SEE ELECTRICAL.
66. BASE/WALL CABINETS. SEE A700 SERIES.
67. 8'-0" X 8'-0" SECTIONAL OVERHEAD INSULATED DOOR AND TRACK.
68. AUTOMATIC DOOR ACTUATOR FOR HC/ADA DOOR OPERATOR. COORDINATE WITH DOOR SCHEDULE AND ELECTRICAL. PROVIDE CONDUIT AND BOX IN MASONRY PIER, GYPSUM BOARD WALL OR ALUMINUM MULLION. 1
69. WALL MOUNTED ELECTRICAL CABINET HEATER. SEE MECHANICAL.
70. CHAIN-LINK FENCE ENCLOSURE. 8'-0" HIGH.
71. ALTERNATE: IN-GROUND BUS LIFT AT SECOND SERVICE POSITION.
72. FIRE DEPARTMENT KNOX BOX. COORDINATE INSTALL LOCATION WITH LOCAL FIRE DEPARTMENT. TYPICAL (4) BUILDINGS. 1
73. FIRE DEPARTMENT SPRINKLER CONNECTION AND ALARM BELL SEE FIRE PROTECTION SHEETS.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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PROJECT 20-141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

MICHAEL L. ROSSLER REGISTERED ARCHITECT NO. AR11600005 STATE OF INDIANA

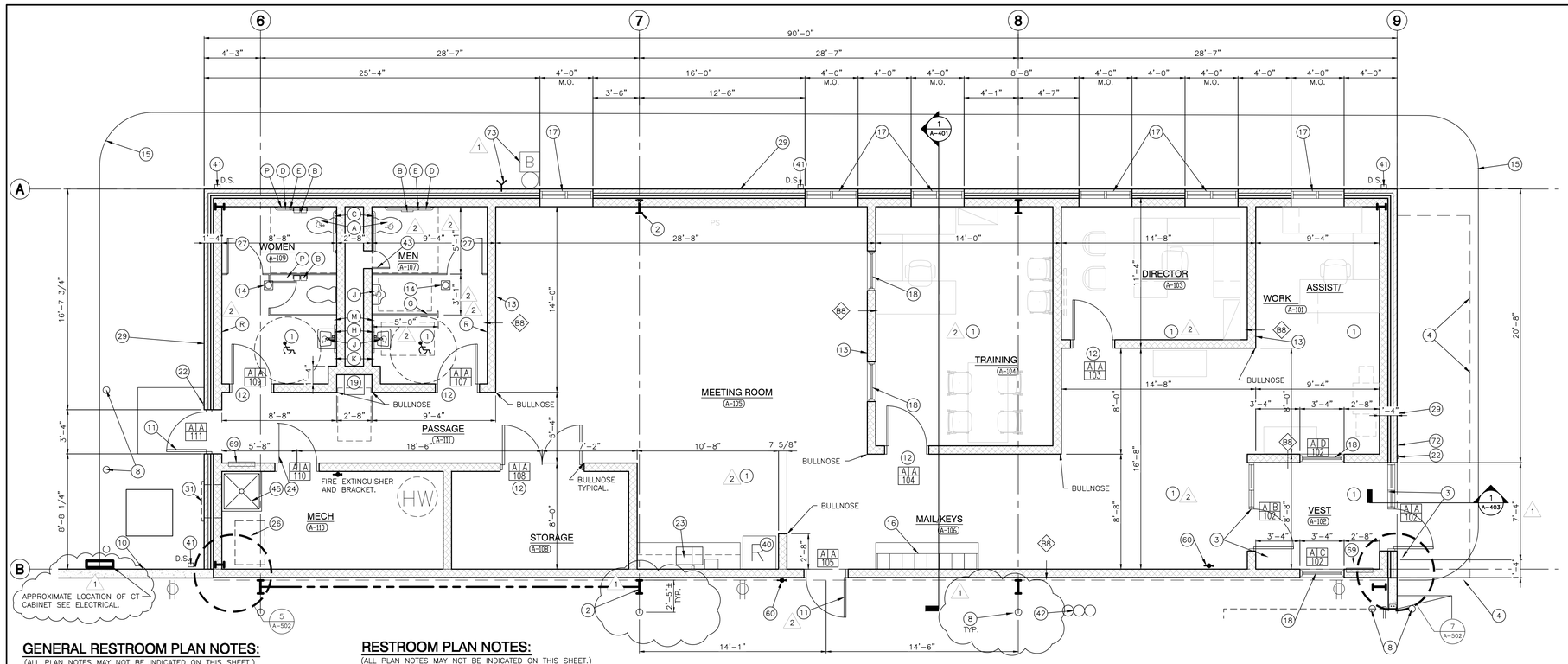
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
FLOOR PLAN
BUS GARAGE
BUILDING A

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-101



BUILDING 'A' OFFICE PLAN BUS GARAGE

1 / A-102

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

NORTH

GENERAL RESTROOM PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

A. FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G-301.

B. DEPTH OF ALL TOILET ENCLOSURES SHALL BE A MINIMUM OF 5'-0" CLEAR INSIDE DIMENSION UNLESS NOTED OTHERWISE.

C. REFER TO PLUMBING DRAWINGS FOR FIXTURE TYPES.

D. REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS.

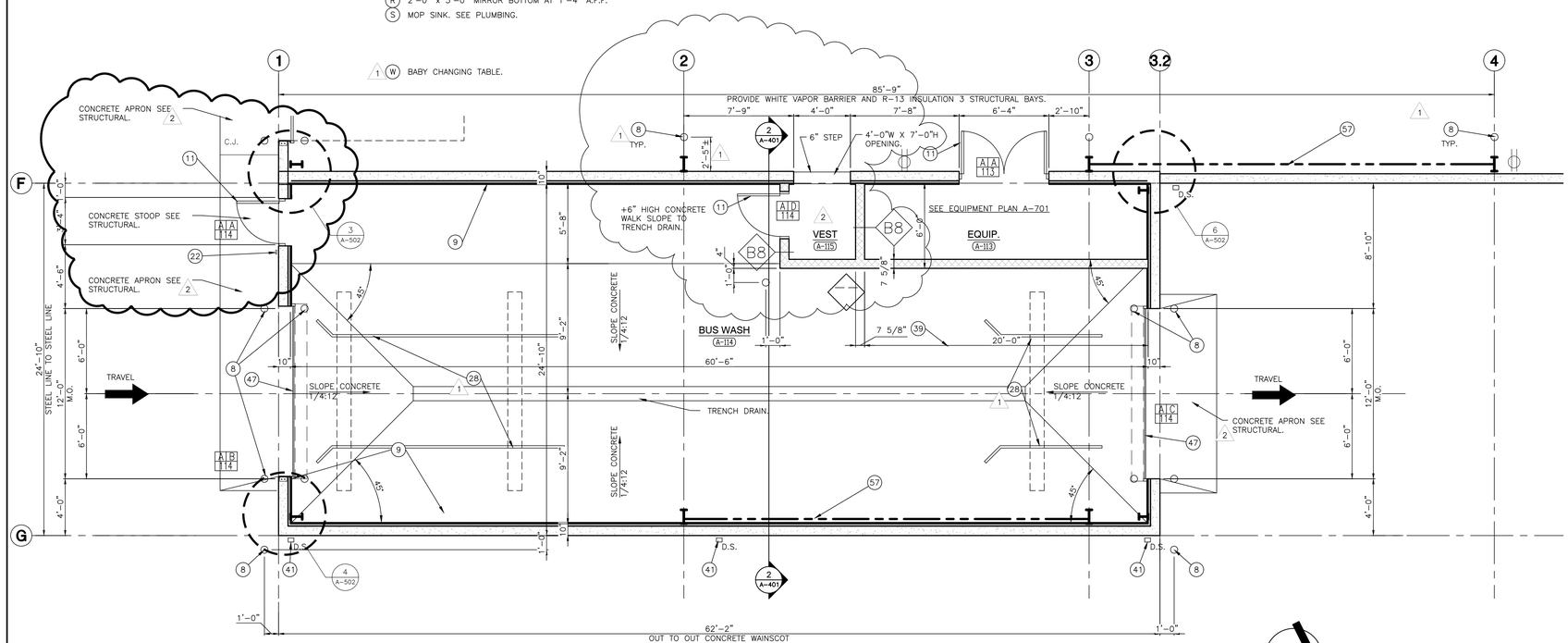
E. COORDINATE HEIGHT OF GRAB BAR WITH TANK OF FLOOR MOUNTED WATER CLOSET OR FLUSH VALVE OF WALL MOUNTED WATER CLOSET.

F. INSTALL LAVATORIES AND URINALS AT 2'-6" ON CENTER MINIMUM UNLESS NOTED OTHERWISE.

RESTROOM PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

(A) ACCESSIBLE FIXTURE. SEE PLUMBING.
(B) TOILET PAPER HOLDER. (OFCI)
(C) 3'-0" HANDICAPPED GRAB BAR.
(D) 3'-6" HANDICAPPED GRAB BAR.
(E) 18" VERTICAL HANDICAPPED GRAB BAR.
(F) TOILET PARTITION.
(G) URINAL SCREEN WALL.
(H) 2'-0" W x 3'-0" H MIRROR WITH BOTTOM OF REFLECTIVE SURFACE MOUNTED AT 40"A.F.F.
(J) ACCESSIBLE FIXTURE (LAVATORY/URINAL). SEE PLUMBING DRAWINGS.
(K) PAPER TOWEL DISPENSER. (OFCI)
(L) 24"x24" ACCESS PANEL. MOUNT TOP OF PANEL AT 5'-4" A.F.F. COORDINATE LOCATION WITH SENSOR HEIGHT.
(M) SOAP DISPENSER. (OFCI)
(N) FLOOR DRAIN. SEE PLUMBING DRAWINGS.
(P) FEMININE NAPKIN DISPOSAL.
(Q) FEMININE NAPKIN DISPENSER.
(R) 2'-0" x 5'-0" MIRROR BOTTOM AT 1'-4" A.F.F.
(S) MOP SINK. SEE PLUMBING.



BUILDING A BUS WASH FLOOR PLAN

2 / A-102

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

NORTH

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI SERIES SHEETS.

B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.

C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.

D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.

G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.

H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.

I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.

J. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

K. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

PLAN LEGEND:

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-603 BUILDING 'D' ONLY FOR ELEVATIONS AND DETAILS.

INDICATES WALL TYPES REFER TO G-301 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

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(3) ALUMINUM STOREFRONT.
(4) CANOPY.
(5) OVERHEAD POWER CHORD REELS REF "E" SERIES DRAWINGS.
(6) SCHOOL BUS OUTLINE POSITION.
(7) 12'-0" X12'-0" MOTOR OPERATED SECTIONAL OVERHEAD INSULATED GARAGE DOOR AND TRACK.
(8) 6" DIAMETER CONCRETE FILLED STEEL PIPE BOLLARDS. REFER TO SPECIFICATIONS.
(9) PREFINISHED METAL WALL AND CEILING LINE PANELS WITH SEAM RAPE AND GASKETED SCREWS. SEE BUILDING SECTIONS.
(10) PEMB (PRE-ENGINEERED METAL BUILDING)-INSULATED WALLS R-13 AND ROOF R-19.
(11) EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME.
(12) ALL INTERIOR DOORS TO BE 3'-0" SOLID CORE WOOD WITH HOLLOW METAL FRAMES UNLESS NOTED OTHERWISE.
(13) ALL INTERIOR WALLS TO BE TYPE B8 AND INTERIOR CHASE WALLS TO BE TYPE B6.
(14) FLOOR DRAIN. SEE PLUMBING.
(15) CONCRETE WALK. SEE CIVIL.
(16) PLASTIC LAMINATED MAILBOXES. SEE A700 SERIES.
(17) 4'-0"W X 6'-0"H FIXED ALUMINUM WINDOW.
(18) HOLLOW METAL FRAMED WINDOW.
(19) ELECTRIC WATER COOLER. ADA ACCESSIBLE. SEE PLUMBING.
(20) 3/4" FIRE TREATED PLYWOOD FROM FLOOR TO 8'-0" A.F.F. ON ALL SIDES OF INTERIOR PEMB GIRT SYSTEM. HOLD OFF FLOOR 1/2". PAINT.
(21) ELECTRICAL EQUIPMENT. SEE ELECTRICAL.
(22) DOOR ACCESS CONTROL.
(23) KITCHENETTE: BASE/WALL CABINETS, SS SINK. SEE A700 SERIES.
(24) HOLLOW METAL DOOR AND FRAME.
(25) 4" THICK 5'-0" X 5'-0" MIN. CONCRETE STOOP SLOPE AWAY FROM DOOR AT 1/4:12. TURN EDGES DOWN.
(26) FURNACE. SEE MECHANICAL.
(27) SOLID PLASTIC TOILET PARTITIONS. REFER TO SPECIFICATIONS.
(28) AUTOMATIC BUS WASHING SYSTEM. REFER TO SPECIFICATIONS.
(29) BRICK VENEER OVER PEMB.
(30) INSULATED METAL PANELS OVER 8" CMU WALL CONSTRUCTION.
(31) WALL LOUVER. SEE MECHANICAL.
(32) MILLWORK. SEE A700 SERIES.
(33) SPECIALTY BACK WALL (USE OF ACRYLIC).
(34) MANUAL OPERATION FOLDING WALL SYSTEM WITH POCKET DOORS.
(35) VMC, PANELIZED BACK WALL (WOOD OR P.LAM) W/ REPRESSED TECHNOLOGY BOARDS.
(36) BUS WASH EQUIPMENT. SEE PLUMBING.
(37) IN-GROUND BUS LIFT. SEE STRUCTURAL.
(38) FIRE CONNECTION. SEE CIVIL.
(39) TRENCH DRAIN CONNECT TO OIL SEPARATOR. SEE PLUMBING.
(40) REFRIGERATOR BY OWNER.
(41) PREFINISHED METAL DOWNSPOUT WITH ALUMINUM BOOT. COORDINATE WITH CIVIL.
(42) OIL SEPARATOR. SEE PLUMBING.
(43) ACCESS DOOR 16" X 24".
(44) EYEWASH STATION. SEE PLUMBING.
(45) MOP BASIN. CONNECT TO OIL SEPARATOR. SEE PLUMBING.
(46) CLEAN SINK. CONNECT TO OIL SEPARATOR. SEE PLUMBING.
(47) 12'-0" X 12'-0" MOTOR OPERATED ROLL-UP DOOR WITH VISION PANEL.
(48) ~~ADA 36"X36" TRANSFER SHOWER. SEE PLUMBING.~~
(49) ALTERNATE: CHECKER PLATE STEEL STAIR.
(50) ALTERNATE: METAL GUARD RAIL.
(51) WALL EXHAUST FAN MOUNTED TO ROOF STRUCTURE. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
(52) UNIT HEATER MOUNTED TO ROOF STRUCTURE. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
(53) ROOF EXHAUST FAN. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
(54) WALL MOUNT EXHAUST LOUVER ABOVE DOOR. SEE MECHANICAL.
(55) PACKAGE A/C UNIT. SEE MECHANICAL.
(56) FRP PANEL ON FIRE RETARDANT TREATED PLYWOOD 8'-0" HIGH.
(57) PEMB CROSS BRACING. PAINT.
(58) METAL LOCKERS (ONE ADA).
(59) ADA CLOTHES HOOK.
(60) FIRE EXTINGUISHER AND CABINET.
(61) ALTERNATE: APPROXIMATE LOCATION OF ROOFTOP HVAC UNIT. SEE MECHANICAL. PROVIDE ROOF CURB FOR STANDARD PEMB ROOFING.
(62) WALL MOUNTED ELECTRIC CABINET HEATER. SEE MECHANICAL.
(63) 12" WIDE SHELF WITH CLOTHES ROD. SEE A700 SERIES.
(64) CAST-IN-PLACE CONCRETE WALL 4'-0" HIGH.
(65) POWER RECEPTACLE. SEE ELECTRICAL.
(66) BASE/WALL CABINETS. SEE A700 SERIES.
(67) 8'-0" X 8'-0" SECTIONAL OVERHEAD INSULATED DOOR AND TRACK.
(68) AUTOMATIC DOOR ACTUATOR FOR HC/ADA DOOR OPERATOR. COORDINATE WITH DOOR SCHEDULE AND ELECTRICAL. PROVIDE CONDUIT AND BOX IN MASONRY PIER, GYPSUM BOARD WALL OR ALUMINUM MULLION.
(69) WALL MOUNTED ELECTRICAL CABINET HEATER. SEE MECHANICAL.
(70) CHAIN-LINK FENCE ENCLOSURE. 8'-0" HIGH.
(71) ALTERNATE: IN-GROUND BUS LIFT AT SECOND SERVICE POSITION.
(72) FIRE DEPARTMENT KNOX BOX. COORDINATE INSTALL LOCATION WITH LOCAL FIRE DEPARTMENT. TYPICAL (4) BUILDINGS.
(73) FIRE DEPARTMENT SPRINKLER CONNECTION AND ALARM BELL SEE FIRE PROTECTION SHEETS.

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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PROJECT 20-141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

MICHAEL L. ROSSLER REGISTERED ARCHITECT NO. AR11600005 STATE OF INDIANA

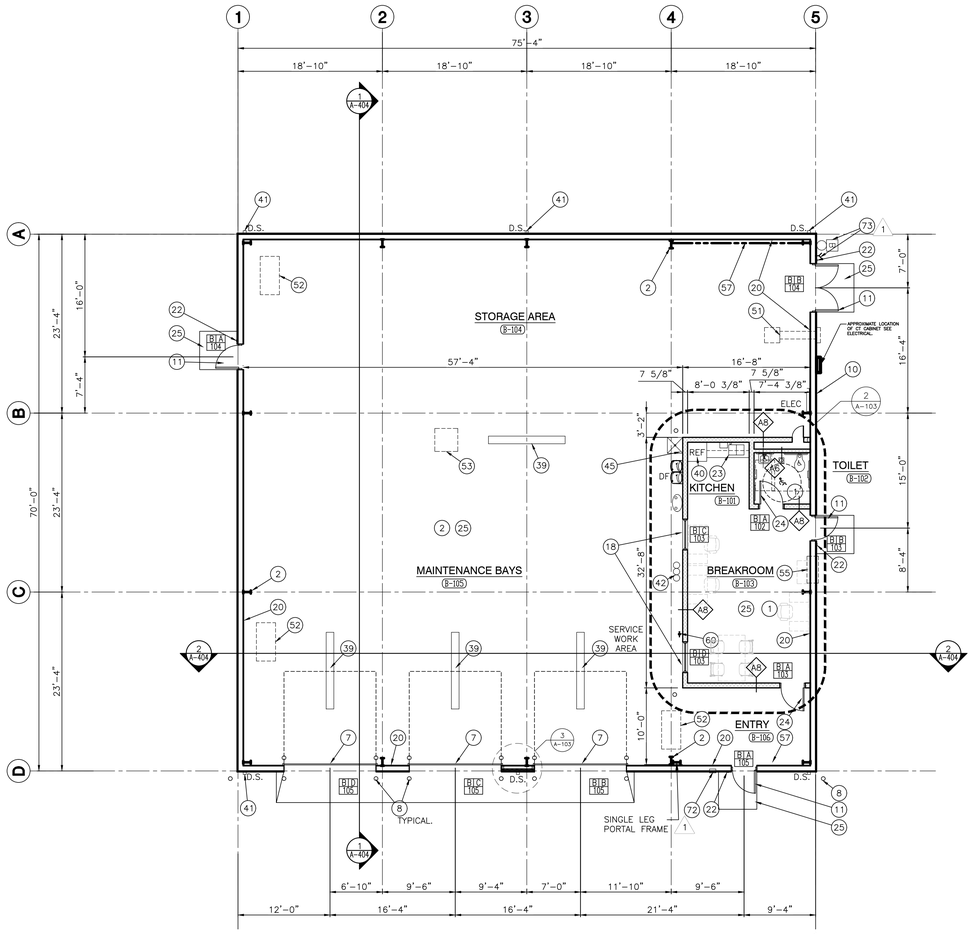
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
ENLARGED PLANS
BUS GARAGE
BUILDING A

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

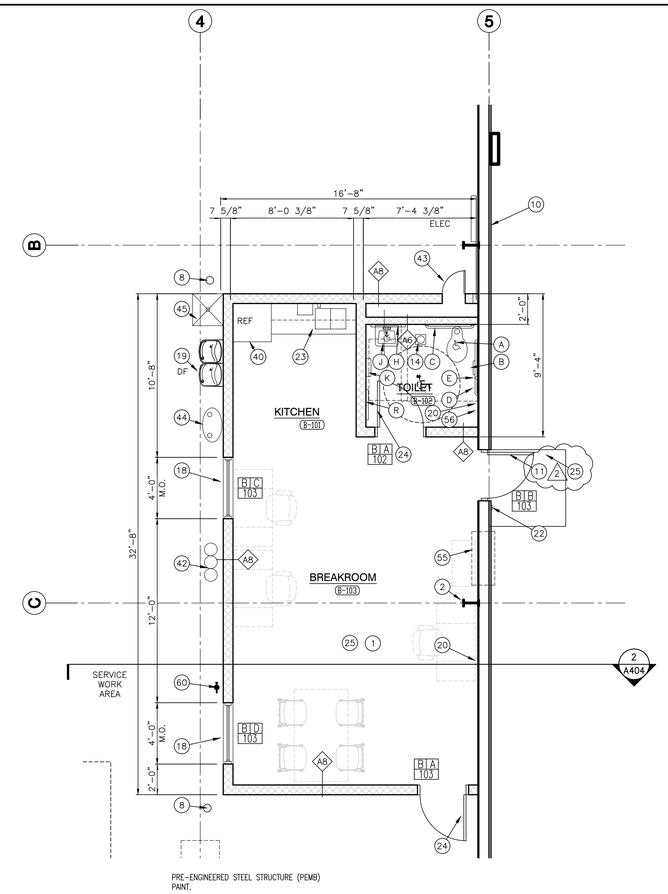
SHEET
A-102



1 A-103 BUILDING 'B' MAINTENANCE BUILDING PLAN

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

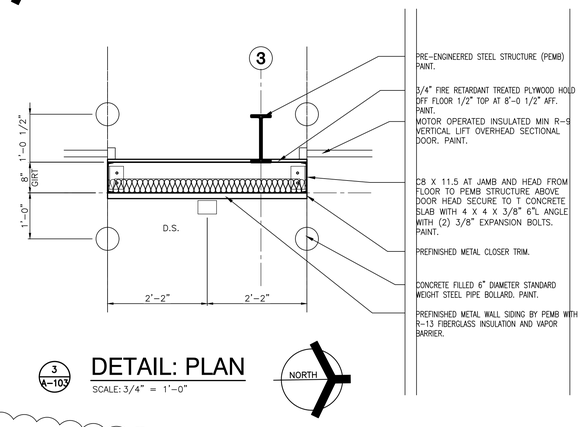
NORTH



2 A-103 ENLARGED KITCHEN / TOILET PLAN

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

NORTH



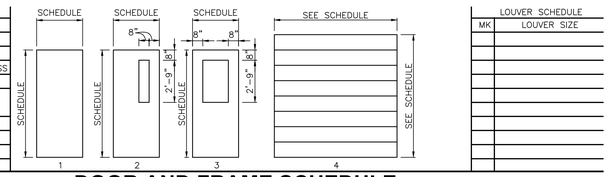
3 A-103 DETAIL: PLAN

SCALE: 3/4" = 1'-0"

NORTH

GLASS SCHEDULE

MK	GLASS TYPES
A	1/4" CLEAR TEMPERED
B	1" INSUL. GLASS
C	1" INSUL. SPANDREL GLASS
D	1/4" FIRE RATED
E	3/8" LAMINATED SAFETY GLASS

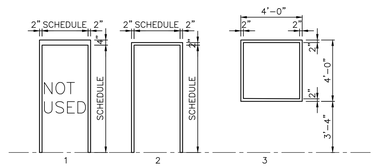


LOUVER SCHEDULE

MK	LOUVER SIZE

DOOR AND FRAME SCHEDULE

NO.	DESCRIPTION	DOOR TYPE	DOOR SIZE (WxH) (INCHES)	DOOR MATERIAL	DOOR LOU	DOOR	GLASS SIDE LGT	GLASS TRA	FRAME MAT'L	FRAME WIDTH	FRAME JAMB	FRAME HEAD	FRAME SILL	FRAME ELEV	LABEL	HARDWARE EXIT DEVICE	HARDWARE CLOSER	NOTES
102-A	SINGLE	1	36 x 86	HM	–	–	–	–	HM	8 3/4"	1	1	–	2	–	–	–	–
103-A	SINGLE	3	36 x 86	HM	–	A	–	–	HM	8 3/4"	1	1	–	2	–	–	–	–
103-B	SINGLE	2	36 x 86	FRP	–	B	–	–	ALUM	4 1/2"	6	6	–	2	–	YES	YES	4,10,11
103-C	FRAMED WINDOW	–	–	–	–	A	–	–	HM	7 5/8"	2	2	2	3	–	–	–	–
103-D	FRAMED WINDOW	–	–	–	–	A	–	–	HM	7 5/8"	2	2	2	3	–	–	–	–
104-A	SINGLE	2	36 x 86	FRP	–	B	–	–	ALUM	4 1/2"	6	6	–	2	–	YES	YES	4,10,11
104-B	DOUBLE	2	72 x 86	FRP	–	B	–	–	ALUM	4 1/2"	6	6	–	2	–	YES	YES	4,5,10,11
105-A	SINGLE	2	36 x 86	FRP	–	B	–	–	ALUM	4 1/2"	6	6	–	2	–	YES	YES	4,10,11
105-B	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
105-C	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
105-D	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1



FRAME TYPE ELEVATIONS

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

GENERAL DOOR NOTES

A. JAMB, HEAD, AND SILL DO NOT SHOW WALL CONSTRUCTION. SEE FLOOR PLAN FOR WALL MATERIALS. REFER TO A800 SERIES DRAWINGS FOR WALL FINISHES.
B. SEAL ALL JAMBS AND HEADS WHERE FRAMES MEET EXPOSED MASONRY AND/OR GYPSUM BOARD.
C. PROVIDE A SCRIBE MOLD AT ALL EXTERIOR DOOR FRAMES AND WHERE NOTED ON DRAWINGS. SCRIBE MOLD TO BE 3/4" X 3/4" METAL AT EXTERIOR OF METAL FRAMES AND AT BOTH SIDES OF ALUMINUM FRAMES. SET SCRIBE MOLDS IN SEALANT.
D. PROVIDE GLAZING AND GLASS STOPS AS REQUIRED.
E. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS, BOTH NEW AND EXISTING.
F. SHIM SPACE IS NOT SHOWN ON DOOR FRAME ELEVATIONS FOR ALUMINUM STOREFRONT. TAKE THESE DIMENSIONS INTO ACCOUNT AND ADJUST DIMENSIONS ACCORDINGLY.
G. FOR DOOR POSITION WITHIN WALL REFER TO FRAME MOUNTING DETAIL 2-A601.
H. FOR ELECTRICAL ROUGH-IN AT DOORS REFER TO DETAIL 1-A601.
I. FOR HOLLOW METAL FRAME ELEVATIONS (HM) REFER TO A301. FOR HOLLOW METAL (HM) FRAME PROFILES REFER TO A601.
J. FOR ALUMINUM STOREFRONT ELEVATIONS (SF) REFER TO A301. FOR STOREFRONT (SF) FRAME PROFILES REFER TO A601.
K. GLASS NOTED IN SIDELIGHT COLUMN FOR STOREFRONT WITH NO DOOR APPLIES TO ALL OPENINGS IN FRAME UNLESS NOTED OTHERWISE.
L. REFER TO FLOOR PLANS FOR LOCATIONS OF NEW AND EXISTING ADA PUSH PADS FOR POWER ASSISTED OPERATORS.

DOOR SCHEDULE NOTES (REMARKS):

1. INSULATED OVERHEAD COILING DOOR. MOTOR OPERATED.
2. FIELD VERIFY WALL THICKNESSES AND OPENING DIMENTSIONS FOR DOORS AND FRAMES PRIOR TO STARTING CONSTRUCTION.
3. INSULATED DOOR.
4. PROVIDE ALUMINUM THRESHOLD SET IN FULL BED OF MASTIC.
5. KEYED REMOVABLE MULLION.
6. WALL MOUNTED ELECTROMAGNETIC DOOR HOLDER(S) BY DIVISION 26, DOOR MOUNTED ARMATURE SHALL BE INSTALLED BY HARDWARE INSTALLER.
7. PROVIDE HOLD OPEN ON EACH DOOR.
8. (NOT USED)
9. PROVIDE DOOR RELEASE ON AI PHONE LOCATED AT RECEPTION DESK.
10. PANIC DEVICE TO HAVE ELECTRIC LATCH BOLT. PREPARE FRAME FOR ELECTRIFIED HINGE.
11. DOOR TO BE CONTROLLED BY CARD READER/FOB. REFER TO ELECTRICAL DRAWINGS FOR ROUGH IN.
12. PROVIDE POWER ASSISTED OPERATOR ON ONE LEAF OF DOUBLE DOORS.

GENERAL RESTROOM PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

A. FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G-301.
B. DEPTH OF ALL TOILET ENCLOSURES SHALL BE A MINIMUM OF 5'-0" CLEAR INSIDE DIMENSION UNLESS NOTED OTHERWISE.
C. REFER TO PLUMBING DRAWINGS FOR FIXTURE TYPES.
D. REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS.
E. COORDINATE HEIGHT OF GRAB BAR WITH TANK OF FLOOR MOUNTED WATER CLOSET OR FLUSH VALVE OF WALL MOUNTED WATER CLOSET.
F. INSTALL LAVATORIES AND URINALS AT 2'-6" ON CENTER MINIMUM UNLESS NOTED OTHERWISE.

RESTROOM PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

A. ACCESSIBLE FIXTURE. SEE PLUMBING.
B. TOILET PAPER HOLDER. (OFCI)
C. 3'-0" HANDICAPPED GRAB BAR.
D. 3'-6" HANDICAPPED GRAB BAR.
E. 18" VERTICAL HANDICAPPED GRAB BAR.
F. TOILET PARTITION.
G. URINAL SCREEN WALL.
H. 2'-0" W x 3'-0" H MIRROR WITH BOTTOM OF REFLECTIVE SURFACE MOUNTED AT 40"A.F.F.
J. ACCESSIBLE FIXTURE (LAVATORY/URINAL). SEE PLUMBING DRAWINGS.
K. PAPER TOWEL DISPENSER. (OFCI)
L. 24"x24" ACCESS PANEL. MOUNT TOP OF PANEL AT 5'-4" A.F.F. COORDINATE LOCATION WITH SENSOR HEIGHT.
M. SOAP DISPENSER. (OFCI)
N. FLOOR DRAIN. SEE PLUMBING DRAWINGS.
P. FEMININE NAPKIN DISPOSAL.
Q. FEMININE NAPKIN DISPENSER.
R. 2'-0" x 5'-0" MIRROR BOTTOM AT 1'-4" A.F.F.
S. MOP SINK. SEE PLUMBING.
W. BABY CHANGING TABLE.

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G1 SERIES SHEETS.
B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.
C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.
E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.
J. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.
K. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

PLAN LEGEND:

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-603 BUILDING 'D' ONLY FOR ELEVATIONS AND DETAILS.

INDICATES WALL TYPES REFER TO G-301 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. 2X2 ACOUSTICAL CEILING TILE.
2. EXPOSED STRUCTURE PAINTED.
3. ALUMINUM STOREFRONT.
4. CANOPY.
5. OVERHEAD POWER CHORD REELS REF "E" SERIES DRAWINGS.
6. SCHOOL BUS OUTLINE POSITION.
7. 12'-0" X12'-0" MOTOR OPERATED SECTIONAL OVERHEAD INSULATED GARAGE DOOR AND TRACK.
8. 6" DIAMETER CONCRETE FILLED STEEL PIPE BOLLARDS. REFER TO SPECIFICATIONS.
9. PREFINISHED METAL WALL AND CEILING LINE PANELS WITH SEAM RAPE AND GASKETED SCREWS. SEE BUILDING SECTIONS.
10. PEMB (PRE-ENGINEERED METAL BUILDING)-INSULATED WALLS R-13 AND ROOF R-19.
11. EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME.
12. ALL INTERIOR DOORS TO BE 3'-0" SOLID CORE WOOD WITH HOLLOW METAL FRAMES UNLESS NOTED OTHERWISE.
13. ALL INTERIOR WALLS TO BE TYPE B8 AND INTERIOR CHASE WALLS TO BE TYPE B6.
14. FLOOR DRAIN. SEE PLUMBING.
15. CONCRETE WALK. SEE CIVIL.
16. PLASTIC LAMINATED MAILBOXES. SEE A700 SERIES.
17. 4'-0"W X 6'-0"H FIXED ALUMINUM WINDOW.
18. HOLLOW METAL FRAMED WINDOW.
19. ELECTRIC WATER COOLER. ADA ACCESSIBLE. SEE PLUMBING.
20. 3/4" FIRE TREATED PLYWOOD FROM FLOOR TO 8'-0" A.F.F. ON ALL SIDES OF INTERIOR PEMB GIRT SYSTEM. HOLD OFF FLOOR 1/2". PAINT.
21. ELECTRICAL EQUIPMENT. SEE ELECTRICAL.
22. DOOR ACCESS CONTROL.
23. KITCHENETTE: BASE/WALL CABINETS, SS SINK. SEE A700 SERIES.
24. HOLLOW METAL DOOR AND FRAME.
25. 4" THICK 5'-0" X 5'-0" MIN. CONCRETE STOOP SLOPE AWAY FROM DOOR AT 1/4:12. TURN EDGES DOWN.
26. FURNACE. SEE MECHANICAL.
27. SOLID PLASTIC TOILET PARTITIONS. REFER TO SPECIFICATIONS.
28. AUTOMATIC BUS WASHING SYSTEM. REFER TO SPECIFICATIONS.
29. BRICK VENEER OVER PEMB.
30. INSULATED METAL PANELS OVER 8" CMU WALL CONSTRUCTION.
31. WALL LOUVER. SEE MECHANICAL.
32. MILLWORK. SEE A700 SERIES.
33. SPECIALTY BACK WALL (USE OF ACRYLIC).
34. MANUAL OPERATION FOLDING WALL SYSTEM WITH POCKET DOORS.
35. VMC, PANELIZED BACK WALL (WOOD OR P.LAM) W/ REPRESSED TECHNOLOGY BOARDS.
36. BUS WASH EQUIPMENT. SEE PLUMBING.
37. IN-GROUND BUS LIFT. SEE STRUCTURAL.
38. FIRE CONNECTION. SEE CIVIL.
39. TRENCH DRAIN CONNECT TO OIL SEPARATOR. SEE PLUMBING.
40. REFRIGERATOR BY OWNER.
41. PREFINISHED METAL DOWNSPOUT WITH ALUMINUM BOOT. COORDINATE WITH CIVIL.
42. OIL SEPARATOR. SEE PLUMBING.
43. ACCESS DOOR 16" X 24".
44. EYEWASH STATION. SEE PLUMBING.
45. MOP BASIN. CONNECT TO OIL SEPARATOR. SEE PLUMBING.
46. CLEAN SINK. CONNECT TO OIL SEPARATOR. SEE PLUMBING.
47. 12'-0" X 12'-0" MOTOR OPERATED ROLL-UP DOOR WITH VISION PANEL.
48. ~~ADA 36"X36" TRANSFER SHOWER. SEE PLUMBING.~~
49. ALTERNATE: CHECKER PLATE STEEL STAIR.
50. ALTERNATE: METAL GUARD RAIL.
51. WALL EXHAUST FAN MOUNTED TO ROOF STRUCTURE. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
52. UNIT HEATER MOUNTED TO ROOF STRUCTURE. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
53. ROOF EXHAUST FAN. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
54. WALL MOUNT EXHAUST LOUVER ABOVE DOOR. SEE MECHANICAL.
55. PACKAGE A/C UNIT. SEE MECHANICAL.
56. FRP PANEL ON FIRE RETARDANT TREATED PLYWOOD 8'-0" HIGH.
57. PEMB CROSS BRACING. PAINT.
58. METAL LOCKERS (ONE ADA).
59. ADA CLOTHES HOOK.
60. FIRE EXTINGUISHER AND CABINET.
61. ALTERNATE: APPROXIMATE LOCATION OF ROOFTOP HVAC UNIT. SEE MECHANICAL. PROVIDE ROOF CURB FOR STANDARD PEMB ROOFING.
62. WALL MOUNTED ELECTRIC CABINET HEATER. SEE MECHANICAL.
63. 12" WIDE SHELF WITH CLOTHES ROD. SEE A700 SERIES.
64. CAST-IN-PLACE CONCRETE WALL 4'-0" HIGH.
65. POWER RECEPTACLE. SEE ELECTRICAL.
66. BASE/WALL CABINETS. SEE A700 SERIES.
67. 8'-0" X 8'-0" SECTIONAL OVERHEAD INSULATED DOOR AND TRACK.
68. AUTOMATIC DOOR ACTUATOR FOR HC/ADA DOOR OPERATOR. COORDINATE WITH DOOR SCHEDULE AND ELECTRICAL. PROVIDE CONDUIT AND BOX IN MASONRY PIER, GYPSUM BOARD WALL OR ALUMINUM MULLION.
69. WALL MOUNTED ELECTRICAL CABINET HEATER. SEE MECHANICAL.
70. CHAIN-LINK FENCE ENCLOSURE. 8'-0" HIGH.
71. ALTERNATE: IN-GROUND BUS LIFT AT SECOND SERVICE POSITION.
72. FIRE DEPARTMENT KNOX BOX. COORDINATE INSTALL LOCATION WITH LOCAL FIRE DEPARTMENT. TYPICAL (4) BUILDINGS.
73. FIRE DEPARTMENT SPRINKLER CONNECTION AND ALARM BELL SEE FIRE PROTECTION SHEETS.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
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PROJECT 20-141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

WENDELL L. ROSEBURY REGISTERED NO. AR11600005 STATE OF INDIANA

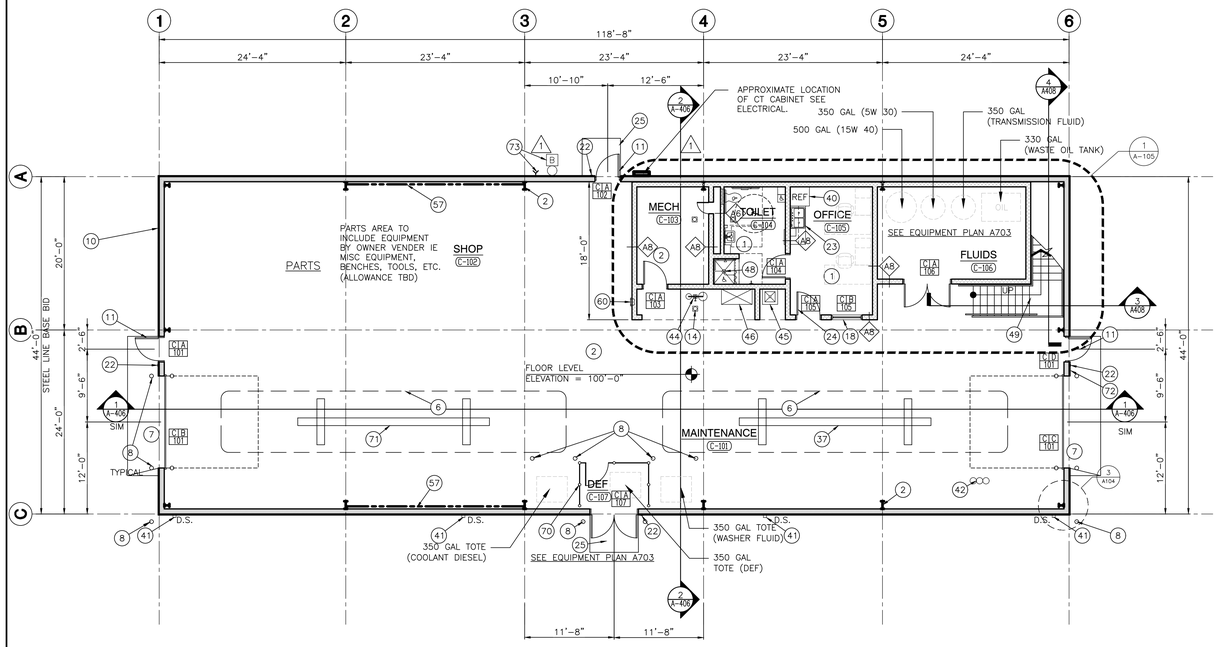
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
FLOOR PLAN
MAINTENANCE BUILDING
BUILDING B

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-103

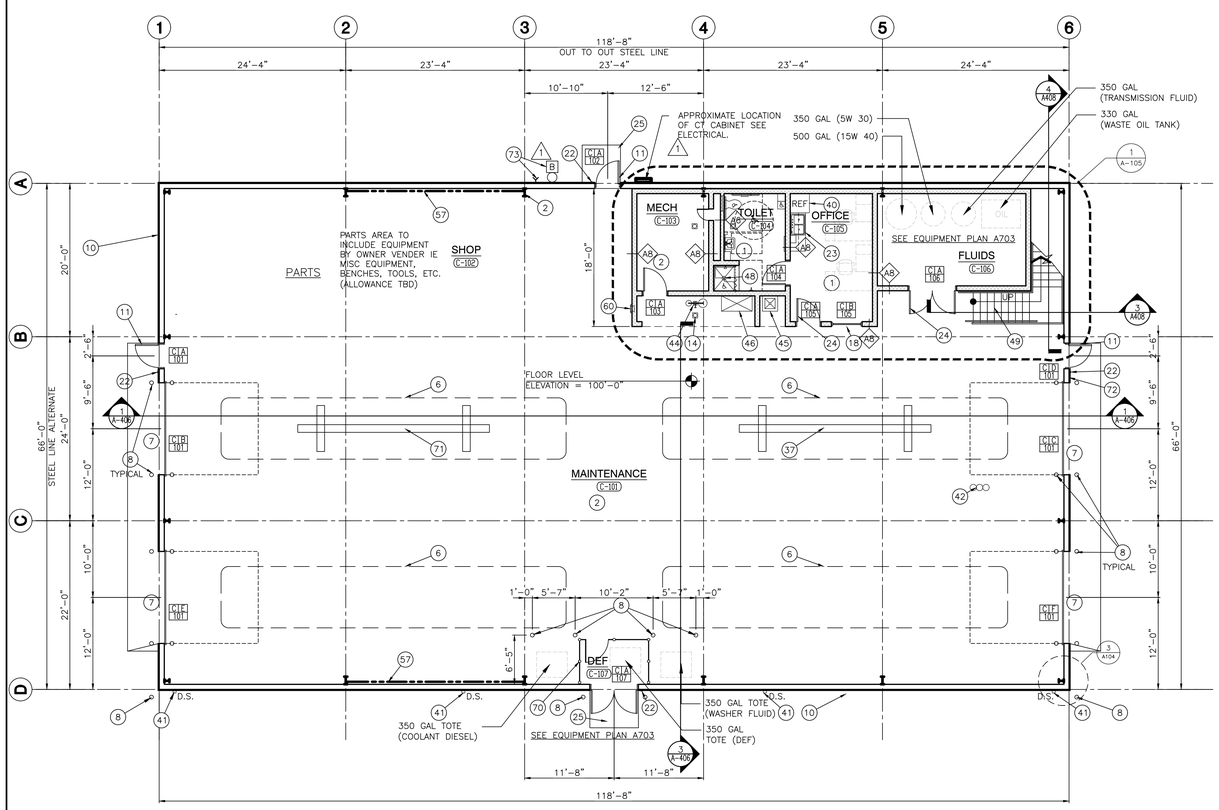


MECHANICS BUILDING PLAN
BUILDING C - BASE BID

1 / A-104

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

NORTH

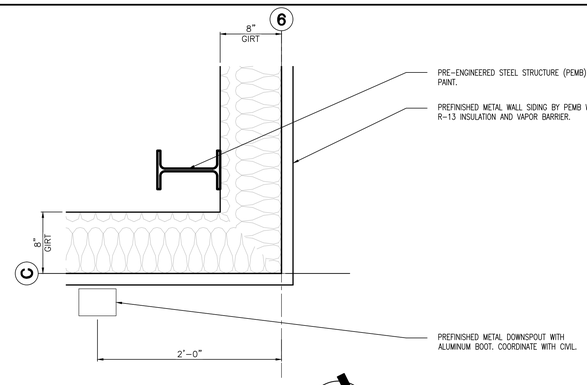


MECHANICS BUILDING PLAN
BUILDING C - ALTERNATE

2 / A-104

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

NORTH



DETAIL: PLAN

3 / A-104

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

NORTH

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI SERIES SHEETS.

B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.

C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.

D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.

G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.

H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.

I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.

J. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

K. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

PLAN LEGEND:

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-603 BUILDING 'D' ONLY FOR ELEVATIONS AND DETAILS.

INDICATES WALL TYPES REFER TO G-301 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. 2X2 ACOUSTICAL CEILING TILE.
2. EXPOSED STRUCTURE PAINTED.
3. ALUMINUM STOREFRONT.
4. CANOPY.
5. OVERHEAD POWER CHORD REELS REF "E" SERIES DRAWINGS.
6. SCHOOL BUS OUTLINE POSITION.
7. 12'-0" X12'-0" MOTOR OPERATED SECTIONAL OVERHEAD INSULATED GARAGE DOOR AND TRACK.
8. 6" DIAMETER CONCRETE FILLED STEEL PIPE BOLLARDS. REFER TO SPECIFICATIONS.
9. PREFINISHED METAL WALL AND CEILING LINE PANELS WITH SEAM RAPE AND GASKETED SCREWS. SEE BUILDING SECTIONS.
10. PEMB (PRE-ENGINEERED METAL BUILDING)-INSULATED WALLS R-13 AND ROOF R-19.
11. EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME.
12. ALL INTERIOR DOORS TO BE 3'-0" SOLID CORE WOOD WITH HOLLOW METAL FRAMES UNLESS NOTED OTHERWISE.
13. ALL INTERIOR WALLS TO BE TYPE B8 AND INTERIOR CHASE WALLS TO BE TYPE B6.
14. FLOOR DRAIN. SEE PLUMBING.
15. CONCRETE WALK. SEE CIVIL.
16. PLASTIC LAMINATED MAILBOXES. SEE A700 SERIES.
17. 4'-0"W X 6'-0"H FIXED ALUMINUM WINDOW.
18. HOLLOW METAL FRAMED WINDOW.
19. ELECTRIC WATER COOLER. ADA ACCESSIBLE. SEE PLUMBING.
20. 3/4" FIRE TREATED PLYWOOD FROM FLOOR TO 8'-0" A.F.F. ON ALL SIDES OF INTERIOR PEMB GIRT SYSTEM. HOLD OFF FLOOR 1/2". PAINT.
21. ELECTRICAL EQUIPMENT. SEE ELECTRICAL.
22. DOOR ACCESS CONTROL.
23. KITCHENETTE: BASE/WALL CABINETS, SS SINK. SEE A700 SERIES.
24. HOLLOW METAL DOOR AND FRAME.
25. 4" THICK 5'-0" X 5'-0" MIN. CONCRETE STOOP SLOPE AWAY FROM DOOR AT 1/4:12. TURN EDGES DOWN.
26. FURNACE. SEE MECHANICAL.
27. SOLID PLASTIC TOILET PARTITIONS. REFER TO SPECIFICATIONS.
28. AUTOMATIC BUS WASHING SYSTEM. REFER TO SPECIFICATIONS.
29. BRICK VENEER OVER PEMB.
30. INSULATED METAL PANELS OVER 8" CMU WALL CONSTRUCTION.
31. WALL LOUVER. SEE MECHANICAL.
32. MILLWORK. SEE A700 SERIES.
33. SPECIALTY BACK WALL (USE OF ACRYLIC).
34. MANUAL OPERATION FOLDING WALL SYSTEM WITH POCKET DOORS.
35. VMC, PANELIZED BACK WALL (WOOD OR P.LAM) W/ REPRESSED TECHNOLOGY BOARDS.
36. BUS WASH EQUIPMENT. SEE PLUMBING.
37. IN-GROUND BUS LIFT. SEE STRUCTURAL.
38. FIRE CONNECTION. SEE CIVIL.
39. TRENCH DRAIN CONNECT TO OIL SEPARATOR. SEE PLUMBING.
40. REFRIGERATOR BY OWNER.
41. PREFINISHED METAL DOWNSPOUT WITH ALUMINUM BOOT. COORDINATE WITH CIVIL.
42. OIL SEPARATOR. SEE PLUMBING.
43. ACCESS DOOR 16" X 24".
44. EYEWASH STATION. SEE PLUMBING.
45. MOP BASIN. CONNECT TO OIL SEPARATOR. SEE PLUMBING.
46. CLEAN SINK. CONNECT TO OIL SEPARATOR. SEE PLUMBING.
47. 12'-0" X 12'-0" MOTOR OPERATED ROLL-UP DOOR WITH VISION PANEL.
48. ~~ADA 36"X36" TRANSFER SHOWER. SEE PLUMBING.~~
49. ALTERNATE: CHECKER PLATE STEEL STAIR.
50. ALTERNATE: METAL GUARD RAIL.
51. WALL EXHAUST FAN MOUNTED TO ROOF STRUCTURE. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
52. UNIT HEATER MOUNTED TO ROOF STRUCTURE. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
53. ROOF EXHAUST FAN. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
54. WALL MOUNT EXHAUST LOUVER ABOVE DOOR. SEE MECHANICAL.
55. PACKAGE A/C UNIT. SEE MECHANICAL.
56. FRP PANEL ON FIRE RETARDANT TREATED PLYWOOD 8'-0" HIGH.
57. PEMB CROSS BRACING. PAINT.
58. METAL LOCKERS (ONE ADA).
59. ADA CLOTHES HOOK.
60. FIRE EXTINGUISHER AND CABINET.
61. ALTERNATE: APPROXIMATE LOCATION OF ROOFTOP HVAC UNIT. SEE MECHANICAL. PROVIDE ROOF CURB FOR STANDARD PEMB ROOFING.
62. WALL MOUNTED ELECTRIC CABINET HEATER. SEE MECHANICAL.
63. 12" WIDE SHELF WITH CLOTHES ROD. SEE A700 SERIES.
64. CAST-IN-PLACE CONCRETE WALL 4'-0" HIGH.
65. POWER RECEPTACLE. SEE ELECTRICAL.
66. BASE/WALL CABINETS. SEE A700 SERIES.
67. 8'-0" X 8'-0" SECTIONAL OVERHEAD INSULATED DOOR AND TRACK.
68. AUTOMATIC DOOR ACTUATOR FOR HC/ADA DOOR OPERATOR. COORDINATE WITH DOOR SCHEDULE AND ELECTRICAL. PROVIDE CONDUIT AND BOX IN MASONRY PIER, GYPSUM BOARD WALL OR ALUMINUM MULLION.
69. WALL MOUNTED ELECTRICAL CABINET HEATER. SEE MECHANICAL.
70. CHAIN-LINK FENCE ENCLOSURE. 8'-0" HIGH.
71. ALTERNATE: IN-GROUND BUS LIFT AT SECOND SERVICE POSITION.
72. FIRE DEPARTMENT KNOX BOX. COORDINATE INSTALL LOCATION WITH LOCAL FIRE DEPARTMENT. TYPICAL (4) BUILDINGS.
73. FIRE DEPARTMENT SPRINKLER CONNECTION AND ALARM BELL SEE FIRE PROTECTION SHEETS.

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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PROJECT 20-141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

MICHAEL L. ROSSVILLE REGISTERED NO. AR11600005 STATE OF INDIANA

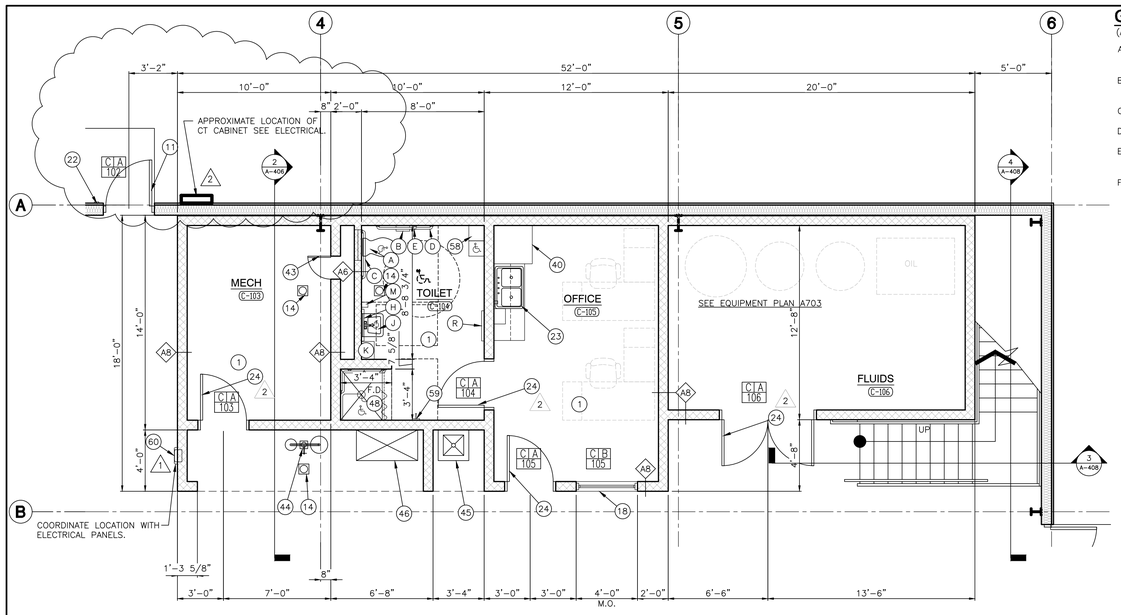
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
FLOOR PLANS
MECHANICS BUILDING
BUILDING C

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-104



1 A-105 BUILDING 'C' MECHANICS ENLARGED PLAN

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

NORTH

GENERAL RESTROOM PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

A. FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G-301.

B. DEPTH OF ALL TOILET ENCLOSURES SHALL BE A MINIMUM OF 5'-0" CLEAR INSIDE DIMENSION UNLESS NOTED OTHERWISE.

C. REFER TO PLUMBING DRAWINGS FOR FIXTURE TYPES.

D. REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS.

E. COORDINATE HEIGHT OF GRAB BAR WITH TANK OF FLOOR MOUNTED WATER CLOSET OR FLUSH VALVE OF WALL MOUNTED WATER CLOSET.

F. INSTALL LAVATORIES AND URINALS AT 2'-6" ON CENTER MINIMUM UNLESS NOTED OTHERWISE.

RESTROOM PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

(A) ACCESSIBLE FIXTURE. SEE PLUMBING.
(B) TOILET PAPER HOLDER. (OFCI)
(C) 3'-0" HANDICAPPED GRAB BAR.
(D) 3'-6" HANDICAPPED GRAB BAR.
(E) 18" VERTICAL HANDICAPPED GRAB BAR.
(F) TOILET PARTITION.
(G) URINAL SCREEN WALL.
(H) 2'-0" W x 3'-0" H MIRROR WITH BOTTOM OF REFLECTIVE SURFACE MOUNTED AT 40"A.F.F.
(J) ACCESSIBLE FIXTURE (LAVATORY/URINAL). SEE PLUMBING DRAWINGS.
(K) PAPER TOWEL DISPENSER. (OFCI)
(L) 24"x24" ACCESS PANEL. MOUNT TOP OF PANEL AT 5'-4" A.F.F. COORDINATE LOCATION WITH SENSOR HEIGHT.
(M) SOAP DISPENSER. (OFCI)
(N) FLOOR DRAIN. SEE PLUMBING DRAWINGS.
(P) FEMININE NAPKIN DISPOSAL.
(Q) FEMININE NAPKIN DISPENSER.
(R) 2'-0" x 5'-0" MIRROR BOTTOM AT 1'-4" A.F.F.
(S) MOP SINK. SEE PLUMBING.

(W) BABY CHANGING TABLE.

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G1 SERIES SHEETS.

B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.

C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.

D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.

G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.

H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.

I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.

J. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

K. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

PLAN LEGEND:

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-603 BUILDING 'D' ONLY FOR ELEVATIONS AND DETAILS.

INDICATES WALL TYPES REFER TO G-301 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

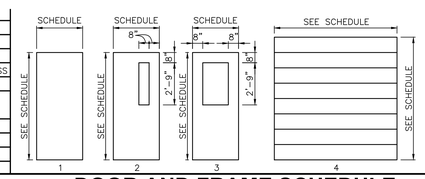
PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

(1) 2X2 ACOUSTICAL CEILING TILE.
(2) EXPOSED STRUCTURE PAINTED.
(3) ALUMINUM STOREFRONT.
(4) CANOPY.
(5) OVERHEAD POWER CHORD REELS REF "E" SERIES DRAWINGS.
(6) SCHOOL BUS OUTLINE POSITION.
(7) 12'-0" X12'-0" MOTOR OPERATED SECTIONAL OVERHEAD INSULATED GARAGE DOOR AND TRACK.
(8) 6" DIAMETER CONCRETE FILLED STEEL PIPE BOLLARDS. REFER TO SPECIFICATIONS.
(9) PREFINISHED METAL WALL AND CEILING LINE PANELS WITH SEAM RAPE AND GASKETED SCREWS. SEE BUILDING SECTIONS.
(10) PEMB (PRE-ENGINEERED METAL BUILDING)-INSULATED WALLS R-13 AND ROOF R-19.
(11) EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME.
(12) ALL INTERIOR DOORS TO BE 3'-0" SOLID CORE WOOD WITH HOLLOW METAL FRAMES UNLESS NOTED OTHERWISE.
(13) ALL INTERIOR WALLS TO BE TYPE B8 AND INTERIOR CHASE WALLS TO BE TYPE B6.
(14) FLOOR DRAIN. SEE PLUMBING.
(15) CONCRETE WALK. SEE CIVIL.
(16) PLASTIC LAMINATED MAILBOXES. SEE A700 SERIES.
(17) 4'-0"W X 6'-0"H FIXED ALUMINUM WINDOW.
(18) HOLLOW METAL FRAMED WINDOW.
(19) ELECTRIC WATER COOLER. ADA ACCESSIBLE. SEE PLUMBING.
(20) 3/4" FIRE TREATED PLYWOOD FROM FLOOR TO 8'-0" A.F.F. ON ALL SIDES OF INTERIOR PEMB GIRT SYSTEM. HOLD OFF FLOOR 1/2". PAINT.
(21) ELECTRICAL EQUIPMENT. SEE ELECTRICAL.
(22) DOOR ACCESS CONTROL.
(23) KITCHENETTE: BASE/WALL CABINETS, SS SINK. SEE A700 SERIES.
(24) HOLLOW METAL DOOR AND FRAME.
(25) 4" THICK 5'-0" X 5'-0" MIN. CONCRETE STOOP SLOPE AWAY FROM DOOR AT 1/4:12. TURN EDGES DOWN.
(26) FURNACE. SEE MECHANICAL.
(27) SOLID PLASTIC TOILET PARTITIONS. REFER TO SPECIFICATIONS.
(28) AUTOMATIC BUS WASHING SYSTEM. REFER TO SPECIFICATIONS.
(29) BRICK VENEER OVER PEMB.
(30) INSULATED METAL PANELS OVER 8" CMU WALL CONSTRUCTION.
(31) WALL LOUVER. SEE MECHANICAL.
(32) MILLWORK. SEE A700 SERIES.
(33) SPECIALTY BACK WALL (USE OF ACRYLIC).
(34) MANUAL OPERATION FOLDING WALL SYSTEM WITH POCKET DOORS.
(35) VMC, PANELIZED BACK WALL (WOOD OR P.LAM) W/ REPRESSED TECHNOLOGY BOARDS.
(36) BUS WASH EQUIPMENT. SEE PLUMBING.
(37) IN-GROUND BUS LIFT. SEE STRUCTURAL.
(38) FIRE CONNECTION. SEE CIVIL.
(39) TRENCH DRAIN CONNECT TO OIL SEPARATOR. SEE PLUMBING.
(40) REFRIGERATOR BY OWNER.
(41) PREFINISHED METAL DOWNSPOUT WITH ALUMINUM BOOT. COORDINATE WITH CIVIL.
(42) OIL SEPARATOR. SEE PLUMBING.
(43) ACCESS DOOR 16" X 24".
(44) EYEWASH STATION. SEE PLUMBING.
(45) MOP BASIN. CONNECT TO OIL SEPARATOR. SEE PLUMBING.
(46) CLEAN SINK. CONNECT TO OIL SEPARATOR. SEE PLUMBING.
2 (47) 12'-0" X 12'-0" MOTOR OPERATED ROLL-UP DOOR WITH VISION PANEL.
(48) ~~ADA 36"X36" TRANSFER SHOWER. SEE PLUMBING.~~
(49) ALTERNATE: CHECKER PLATE STEEL STAIR.
(50) ALTERNATE: METAL GUARD RAIL.
(51) WALL EXHAUST FAN MOUNTED TO ROOF STRUCTURE. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
(52) UNIT HEATER MOUNTED TO ROOF STRUCTURE. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
(53) ROOF EXHAUST FAN. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
(54) WALL MOUNT EXHAUST LOUVER ABOVE DOOR. SEE MECHANICAL.
(55) PACKAGE A/C UNIT. SEE MECHANICAL.
(56) FRP PANEL ON FIRE RETARDANT TREATED PLYWOOD 8'-0" HIGH.
(57) PEMB CROSS BRACING. PAINT.
(58) METAL LOCKERS (ONE ADA).
(59) ADA CLOTHES HOOK.
(60) FIRE EXTINGUISHER AND CABINET.
(61) ALTERNATE: APPROXIMATE LOCATION OF ROOFTOP HVAC UNIT. SEE MECHANICAL. PROVIDE ROOF CURB FOR STANDARD PEMB ROOFING.
(62) WALL MOUNTED ELECTRIC CABINET HEATER. SEE MECHANICAL.
(63) 12" WIDE SHELF WITH CLOTHES ROD. SEE A700 SERIES.
(64) CAST-IN-PLACE CONCRETE WALL 4'-0" HIGH.
(65) POWER RECEPTACLE. SEE ELECTRICAL.
(66) BASE/WALL CABINETS. SEE A700 SERIES.
(67) 8'-0" X 8'-0" SECTIONAL OVERHEAD INSULATED DOOR AND TRACK.
(68) 1 AUTOMATIC DOOR ACTUATOR FOR HC/ADA DOOR OPERATOR. COORDINATE WITH DOOR SCHEDULE AND ELECTRICAL. PROVIDE CONDUIT AND BOX IN MASONRY PIER, GYPSUM BOARD WALL OR ALUMINUM MULLION.
(69) WALL MOUNTED ELECTRICAL CABINET HEATER. SEE MECHANICAL.
(70) CHAIN-LINK FENCE ENCLOSURE. 8'-0" HIGH.
(71) ALTERNATE: IN-GROUND BUS LIFT AT SECOND SERVICE POSITION.
1 (72) FIRE DEPARTMENT KNOX BOX. COORDINATE INSTALL LOCATION WITH LOCAL FIRE DEPARTMENT. TYPICAL (4) BUILDINGS.
(73) FIRE DEPARTMENT SPRINKLER CONNECTION AND ALARM BELL SEE FIRE PROTECTION SHEETS.

GLASS SCHEDULE

MK	GLASS TYPES
A	1/4" CLEAR TEMPERED
B	1" INSUL. GLASS
C	1" INSUL. SPANDREL GLASS
D	1/4" FIRE RATED
E	3/8" LAMINATED SAFETY GLASS

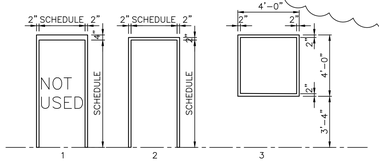


LOUVER SCHEDULE

MK	LOUVER SIZE

DOOR AND FRAME SCHEDULE

NO.	DESCRIPTION	DOOR TYPE	DOOR SIZE (WxH) (INCHES)	MATERIAL	LOU	GLASS DOOR	GLASS SIDE LGT	GLASS TRA	FRAME MAT'L	FRAME WIDTH	FRAME JAMB	FRAME HEAD	FRAME SILL	FRAME ELEV	LABEL	HARDWARE EXIT DEVICE	HARDWARE CLOSER	NOTES
101-A	SINGLE	2	36 x 86	FRP	–	B	–	–	ALUM	4 1/2"	5	5	–	2	–	YES	YES	1,4,10,11
101-B	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
101-C	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
101-D	SINGLE	2	36 x 86	FRP	–	B	–	–	ALUM	4 1/2"	5	5	–	2	–	YES	YES	1,4,10,11
101-E	OVERHEAD SECTIONAL ALTERNATE	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
101-F	OVERHEAD SECTIONAL ALTERNATE	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
102-A	SINGLE	2	36 x 86	FRP	–	B	–	–	ALUM	4 1/2"	5	5	–	2	–	YES	YES	1,4,10,11
103-A	SINGLE	1	36 x 86	HM	–	–	–	–	HM	8 3/4"	1	1	–	2	–	–	–	–
104-A	SINGLE	1	36 x 86	HM	–	–	–	–	HM	8 3/4"	1	1	–	2	–	–	–	–
105-A	SINGLE	3	36 x 86	HM	–	A	–	–	HM	8 3/4"	1	1	–	2	–	–	–	–
105-B	FRAMED WINDOW	–	–	–	–	A	–	–	HM	7 5/8"	2	2	2	3	–	–	–	1
106-A	DOUBLE	1	72 X 86	HM	–	–	–	–	HM	8 3/4"	1	1	–	2	–	–	–	–
107-A	DOUBLE	1	72 x 86	FRP	–	–	–	–	ALUM	6 1/2"	6	6	–	2	–	–	YES	4,10,11



FRAME TYPE ELEVATIONS

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

2

GENERAL DOOR NOTES

A. JAMB, HEAD, AND SILL DO NOT SHOW WALL CONSTRUCTION. SEE FLOOR PLAN FOR WALL MATERIALS. REFER TO A800 SERIES DRAWINGS FOR WALL FINISHES.
B. SEAL ALL JAMBS AND HEADS WHERE FRAMES MEET EXPOSED MASONRY AND/OR GYPSUM BOARD.
C. PROVIDE A SCRIBE MOLD AT ALL EXTERIOR DOOR FRAMES AND WHERE NOTED ON DRAWINGS. SCRIBE MOLD TO BE 3/4" X 3/4" METAL AT EXTERIOR OF METAL FRAMES AND AT BOTH SIDES OF ALUMINUM FRAMES. SET SCRIBE MOLDS IN SEALANT.
D. PROVIDE GLAZING AND GLASS STOPS AS REQUIRED.
E. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS, BOTH NEW AND EXISTING.
F. SHIM SPACE IS NOT SHOWN ON DOOR FRAME ELEVATIONS FOR ALUMINUM STOREFRONT. TAKE THESE DIMENSIONS INTO ACCOUNT AND ADJUST DIMENSIONS ACCORDINGLY.
G. FOR DOOR POSITION WITHIN WALL REFER TO FRAME MOUNTING DETAIL 2-A601.
H. FOR ELECTRICAL ROUGH-IN AT DOORS REFER TO DETAIL 1-A601.
I. FOR HOLLOW METAL FRAME ELEVATIONS (HM) REFER TO A105. FOR HOLLOW METAL (HM) FRAME PROFILES REFER TO A601.
J. FOR ALUMINUM STOREFRONT ELEVATIONS (SF) REFER TO A105. FOR STOREFRONT (SF) FRAME PROFILES REFER TO A601.
K. GLASS NOTED IN SIDELIGHT COLUMN FOR STOREFRONT WITH NO DOOR APPLIES TO ALL OPENINGS IN FRAME UNLESS NOTED OTHERWISE.
L. REFER TO FLOOR PLANS FOR LOCATIONS OF NEW AND EXISTING ADA PUSH PADS FOR POWER ASSISTED OPERATORS.

DOOR SCHEDULE NOTES (REMARKS):

1. INSULATED OVERHEAD COILING DOOR. MOTOR OPERATED.
2. FIELD VERIFY WALL THICKNESSES AND OPENING DIMENTSIONS FOR DOORS AND FRAMES PRIOR TO STARTING CONSTRUCTION.
3. INSULATED DOOR.
4. PROVIDE ALUMINUM THRESHOLD SET IN FULL BED OF MASTIC.
5. KEYED REMOVABLE MULLION.
6. WALL MOUNTED ELECTROMAGNETIC DOOR HOLDER(S) BY DIVISION 26, DOOR MOUNTED ARMATURE SHALL BE INSTALLED BY HARDWARE INSTALLER.
7. PROVIDE HOLD OPEN ON EACH DOOR.
8. (NOT USED)
9. PROVIDE DOOR RELEASE ON AI PHONE LOCATED AT RECEPTION DESK.
10. PANIC DEVICE TO HAVE ELECTRIC LATCH BOLT. PREPARE FRAME FOR ELECTRIFIED HINGE.
11. DOOR TO BE CONTROLLED BY CARD READER/FOB. REFER TO ELECTRICAL DRAWINGS FOR ROUGH IN.
12. PROVIDE POWER ASSISTED OPERATOR ON ONE LEAF OF DOUBLE DOORS.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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PROJECT 20-141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

RUSSELL L. ARNOLD
REGISTERED
NO. AR11600005
STATE OF INDIANA
ARCHITECT

REVISIONS

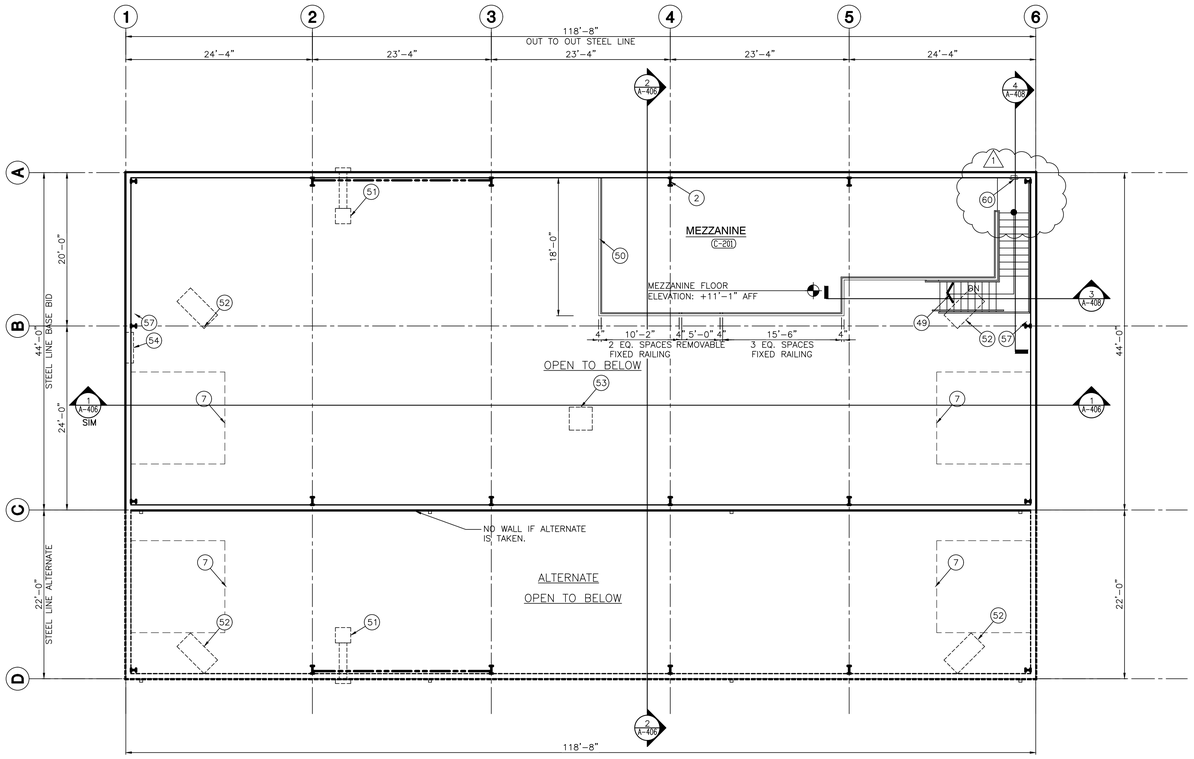
MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
FLOOR PLANS
MECHANICS BUILDING
BUILDING C

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-105

C.DWG
Z:\cadprojects\2020 - 2029\2021 Projects\2104 Gibralter Design Hanover\05 Arch\A-105 PLAN BLDG C.dwg, 6/4/2021 9:17:30 AM, JFitzgerald



1 / A-106 BUILDING 'C' MECHANICS BUILDING MEZZANINE PLAN

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

NORTH

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G1 SERIES SHEETS.

B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.

C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.

D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.

G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.

H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.

I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.

J. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

K. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

PLAN LEGEND:

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-603 BUILDING 'D' ONLY FOR ELEVATIONS AND DETAILS.

INDICATES WALL TYPES REFER TO G-301 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. 2X2 ACOUSTICAL CEILING TILE.
2. EXPOSED STRUCTURE PAINTED.
3. ALUMINUM STOREFRONT.
4. CANOPY.
5. OVERHEAD POWER CHORD REELS REF "E" SERIES DRAWINGS.
6. SCHOOL BUS OUTLINE POSITION.
7. 12'-0" X12'-0" MOTOR OPERATED SECTIONAL OVERHEAD INSULATED GARAGE DOOR AND TRACK.
8. 6" DIAMETER CONCRETE FILLED STEEL PIPE BOLLARDS. REFER TO SPECIFICATIONS.
9. PREFINISHED METAL WALL AND CEILING LINE PANELS WITH SEAM RAPE AND GASKETED SCREWS. SEE BUILDING SECTIONS.
10. PEMB (PRE-ENGINEERED METAL BUILDING)-INSULATED WALLS R-13 AND ROOF R-19.
11. EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME.
12. ALL INTERIOR DOORS TO BE 3'-0" SOLID CORE WOOD WITH HOLLOW METAL FRAMES UNLESS NOTED OTHERWISE.
13. ALL INTERIOR WALLS TO BE TYPE B8 AND INTERIOR CHASE WALLS TO BE TYPE B6.
14. FLOOR DRAIN. SEE PLUMBING.
15. CONCRETE WALK. SEE CIVIL.
16. PLASTIC LAMINATED MAILBOXES. SEE A700 SERIES.
17. 4'-0"W X 6'-0"H FIXED ALUMINUM WINDOW.
18. HOLLOW METAL FRAMED WINDOW.
19. ELECTRIC WATER COOLER. ADA ACCESSIBLE. SEE PLUMBING.
20. 3/4" FIRE TREATED PLYWOOD FROM FLOOR TO 8'-0" A.F.F. ON ALL SIDES OF INTERIOR PEMB GIRT SYSTEM. HOLD OFF FLOOR 1/2". PAINT.
21. ELECTRICAL EQUIPMENT. SEE ELECTRICAL.
22. DOOR ACCESS CONTROL.
23. KITCHENETTE: BASE/WALL CABINETS, SS SINK. SEE A700 SERIES.
24. HOLLOW METAL DOOR AND FRAME.
25. 4" THICK 5'-0" X 5'-0" MIN. CONCRETE STOOP SLOPE AWAY FROM DOOR AT 1/4:12. TURN EDGES DOWN.
26. FURNACE. SEE MECHANICAL.
27. SOLID PLASTIC TOILET PARTITIONS. REFER TO SPECIFICATIONS.
28. AUTOMATIC BUS WASHING SYSTEM. REFER TO SPECIFICATIONS.
29. BRICK VENEER OVER PEMB.
30. INSULATED METAL PANELS OVER 8" CMU WALL CONSTRUCTION.
31. WALL LOUVER. SEE MECHANICAL.
32. MILLWORK. SEE A700 SERIES.
33. SPECIALTY BACK WALL (USE OF ACRYLIC).
34. MANUAL OPERATION FOLDING WALL SYSTEM WITH POCKET DOORS.
35. VMC, PANELIZED BACK WALL (WOOD OR P.LAM) W/ REPRESSED TECHNOLOGY BOARDS.
36. BUS WASH EQUIPMENT. SEE PLUMBING.
37. IN-GROUND BUS LIFT. SEE STRUCTURAL.
38. FIRE CONNECTION. SEE CIVIL.
39. TRENCH DRAIN CONNECT TO OIL SEPARATOR. SEE PLUMBING.
40. REFRIGERATOR BY OWNER.
41. PREFINISHED METAL DOWNSPOUT WITH ALUMINUM BOOT. COORDINATE WITH CIVIL.
42. OIL SEPARATOR. SEE PLUMBING.
43. ACCESS DOOR 16" X 24".
44. EYEWASH STATION. SEE PLUMBING.
45. MOP BASIN. CONNECT TO OIL SEPARATOR. SEE PLUMBING.
46. CLEAN SINK. CONNECT TO OIL SEPARATOR. SEE PLUMBING.
47. 12'-0" X 12'-0" MOTOR OPERATED ROLL-UP DOOR WITH VISION PANEL. 1
48. ~~ADA 36"X36" TRANSFER SHOWER. SEE PLUMBING.~~
49. ALTERNATE: CHECKER PLATE STEEL STAIR.
50. ALTERNATE: METAL GUARD RAIL.
51. WALL EXHAUST FAN MOUNTED TO ROOF STRUCTURE. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
52. UNIT HEATER MOUNTED TO ROOF STRUCTURE. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
53. ROOF EXHAUST FAN. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
54. WALL MOUNT EXHAUST LOUVER ABOVE DOOR. SEE MECHANICAL.
55. PACKAGE A/C UNIT. SEE MECHANICAL.
56. FRP PANEL ON FIRE RETARDANT TREATED PLYWOOD 8'-0" HIGH.
57. PEMB CROSS BRACING. PAINT.
58. METAL LOCKERS (ONE ADA).
59. ADA CLOTHES HOOK.
60. FIRE EXTINGUISHER AND CABINET.
61. ALTERNATE: APPROXIMATE LOCATION OF ROOFTOP HVAC UNIT. SEE MECHANICAL. PROVIDE ROOF CURB FOR STANDARD PEMB ROOFING.
62. WALL MOUNTED ELECTRIC CABINET HEATER. SEE MECHANICAL.
63. 12" WIDE SHELF WITH CLOTHES ROD. SEE A700 SERIES.
64. CAST-IN-PLACE CONCRETE WALL 4'-0" HIGH.
65. POWER RECEPTACLE. SEE ELECTRICAL.
66. BASE/WALL CABINETS. SEE A700 SERIES.
67. 8'-0" X 8'-0" SECTIONAL OVERHEAD INSULATED DOOR AND TRACK.
68. AUTOMATIC DOOR ACTUATOR FOR HC/ADA DOOR OPERATOR. COORDINATE WITH DOOR SCHEDULE AND ELECTRICAL. PROVIDE CONDUIT AND BOX IN MASONRY PIER, GYPSUM BOARD WALL OR ALUMINUM MULLION. 1
69. WALL MOUNTED ELECTRICAL CABINET HEATER. SEE MECHANICAL.
70. CHAIN-LINK FENCE ENCLOSURE. 8'-0" HIGH.
71. ALTERNATE: IN-GROUND BUS LIFT AT SECOND SERVICE POSITION.
72. FIRE DEPARTMENT KNOX BOX. COORDINATE INSTALL LOCATION WITH LOCAL FIRE DEPARTMENT. TYPICAL (4) BUILDINGS. 1
73. FIRE DEPARTMENT SPRINKLER CONNECTION AND ALARM BELL SEE FIRE PROTECTION SHEETS.

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
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PROJECT
20-141
DATE
05/17/21
COORDINATED BY
CD
DRAWN BY
JKF, AB
CHECKED BY
JPB

MICHAEL L. ROSSLER REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

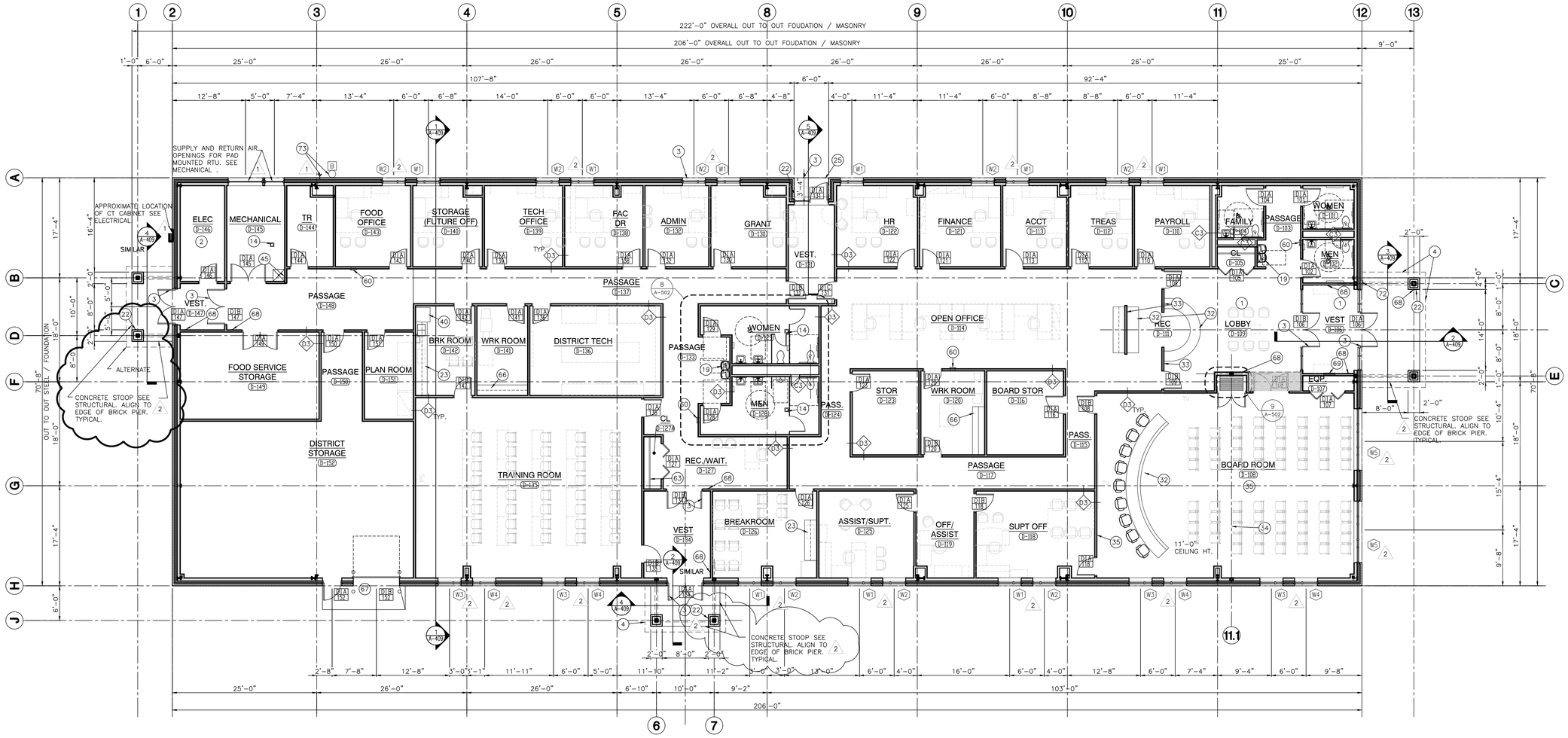
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
MEZZANINE PLAN & STAIR DETAILS
MECHANICS BUILDING
BUILDING C

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-106



1 A-107

RESOURCE CENTER BUILDING D FLOOR PLAN

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

NORTH

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G1 SERIES SHEETS.

B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.

C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.

D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.

G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.

H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.

I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.

J. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

K. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

PLAN LEGEND:

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-603 BUILDING 'D' ONLY FOR ELEVATIONS AND DETAILS.

INDICATES WALL TYPES REFER TO G-301 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. 2X2 ACOUSTICAL CEILING TILE.
2. EXPOSED STRUCTURE PAINTED.
3. ALUMINUM STOREFRONT.
4. CANOPY.
5. OVERHEAD POWER CHORD REELS REF "E" SERIES DRAWINGS.
6. SCHOOL BUS OUTLINE POSITION.
7. 12'-0" X12'-0" MOTOR OPERATED SECTIONAL OVERHEAD INSULATED GARAGE DOOR AND TRACK.
8. 6" DIAMETER CONCRETE FILLED STEEL PIPE BOLLARDS. REFER TO SPECIFICATIONS.
9. PREFINISHED METAL WALL AND CEILING LINE PANELS WITH SEAM RAPE AND GASKETED SCREWS. SEE BUILDING SECTIONS.
10. PEMB (PRE-ENGINEERED METAL BUILDING)-INSULATED WALLS R-13 AND ROOF R-19.
11. EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME.
12. ALL INTERIOR DOORS TO BE 3'-0" SOLID CORE WOOD WITH HOLLOW METAL FRAMES UNLESS NOTED OTHERWISE.
13. ALL INTERIOR WALLS TO BE TYPE B8 AND INTERIOR CHASE WALLS TO BE TYPE B6.
14. FLOOR DRAIN. SEE PLUMBING.
15. CONCRETE WALK. SEE CIVIL.
16. PLASTIC LAMINATED MAILBOXES. SEE A700 SERIES.
17. 4'-0"W X 6'-0"H FIXED ALUMINUM WINDOW.
18. HOLLOW METAL FRAMED WINDOW.
19. ELECTRIC WATER COOLER. ADA ACCESSIBLE. SEE PLUMBING.
20. 3/4" FIRE TREATED PLYWOOD FROM FLOOR TO 8'-0" A.F.F. ON ALL SIDES OF INTERIOR PEMB GIRT SYSTEM. HOLD OFF FLOOR 1/2". PAINT.
21. ELECTRICAL EQUIPMENT. SEE ELECTRICAL.
22. DOOR ACCESS CONTROL.
23. KITCHENETTE: BASE/WALL CABINETS, SS SINK. SEE A700 SERIES.
24. HOLLOW METAL DOOR AND FRAME.
25. 4" THICK 5'-0" X 5'-0" MIN. CONCRETE STOOP SLOPE AWAY FROM DOOR AT 1/4:12. TURN EDGES DOWN.
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38. FIRE CONNECTION. SEE CIVIL.
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40. REFRIGERATOR BY OWNER.
41. PREFINISHED METAL DOWNSPOUT WITH ALUMINUM BOOT. COORDINATE WITH CIVIL.
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59. ADA CLOTHES HOOK.
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72. FIRE DEPARTMENT KNOX BOX. COORDINATE INSTALL LOCATION WITH LOCAL FIRE DEPARTMENT. TYPICAL (4) BUILDINGS.
73. FIRE DEPARTMENT SPRINKLER CONNECTION AND ALARM BELL SEE FIRE PROTECTION SHEETS.

WALL LEGEND:

WALL TYPE D3

WALL TYPE C3

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
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Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT
20-141
DATE
05/17/21
COORDINATED BY
CD
DRAWN BY
JKF, AB
CHECKED BY
JPB

MICHAEL L. ROSSLER REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

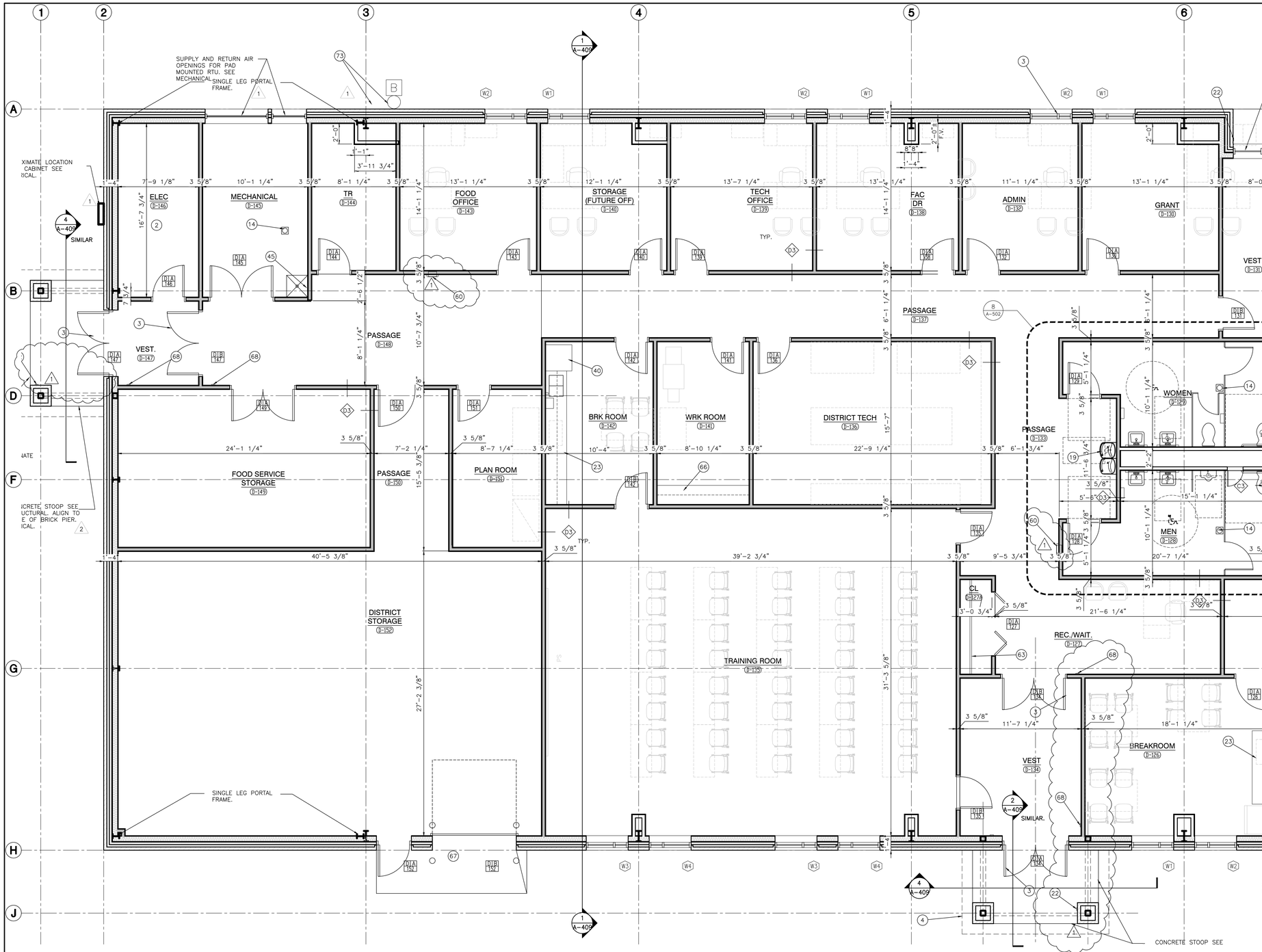
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
FLOOR PLAN
RESOURCE CENTER
BUILDING D

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-107



1 A-108

RESOURCE CENTER BUILDING D FLOOR PLAN

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

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G1 SERIES SHEETS.

B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.

C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.

D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.

G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.

H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.

I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.

J. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

K. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

PLAN LEGEND:

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-603 BUILDING 'D' ONLY FOR ELEVATIONS AND DETAILS.

INDICATES WALL TYPES REFER TO G-301 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. 2X2 ACOUSTICAL CEILING TILE.
2. EXPOSED STRUCTURE PAINTED.
3. ALUMINUM STOREFRONT.
4. CANOPY.
5. OVERHEAD POWER CHORD REELS REF "E" SERIES DRAWINGS.
6. SCHOOL BUS OUTLINE POSITION.
7. 12'-0" X12'-0" MOTOR OPERATED SECTIONAL OVERHEAD INSULATED GARAGE DOOR AND TRACK.
8. 6" DIAMETER CONCRETE FILLED STEEL PIPE BOLLARDS. REFER TO SPECIFICATIONS.
9. PREFINISHED METAL WALL AND CEILING LINE PANELS WITH SEAM RAPE AND GASKETED SCREWS. SEE BUILDING SECTIONS.
10. PEMB (PRE-ENGINEERED METAL BUILDING)-INSULATED WALLS R-13 AND ROOF R-19.
11. EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME.
12. ALL INTERIOR DOORS TO BE 3'-0" SOLID CORE WOOD WITH HOLLOW METAL FRAMES UNLESS NOTED OTHERWISE.
13. ALL INTERIOR WALLS TO BE TYPE B8 AND INTERIOR CHASE WALLS TO BE TYPE B6.
14. FLOOR DRAIN. SEE PLUMBING.
15. CONCRETE WALK. SEE CIVIL.
16. PLASTIC LAMINATED MAILBOXES. SEE A700 SERIES.
17. 4'-0"W X 6'-0"H FIXED ALUMINUM WINDOW.
18. HOLLOW METAL FRAMED WINDOW.
19. ELECTRIC WATER COOLER. ADA ACCESSIBLE. SEE PLUMBING.
20. 3/4" FIRE TREATED PLYWOOD FROM FLOOR TO 8'-0" A.F.F. ON ALL SIDES OF INTERIOR PEMB GIRT SYSTEM. HOLD OFF FLOOR 1/2". PAINT.
21. ELECTRICAL EQUIPMENT. SEE ELECTRICAL.
22. DOOR ACCESS CONTROL.
23. KITCHENETTE: BASE/WALL CABINETS, SS SINK. SEE A700 SERIES.
24. HOLLOW METAL DOOR AND FRAME.
25. 4" THICK 5'-0" X 5'-0" MIN. CONCRETE STOOP SLOPE AWAY FROM DOOR AT 1/4:12. TURN EDGES DOWN.
26. FURNACE. SEE MECHANICAL.
27. SOLID PLASTIC TOILET PARTITIONS. REFER TO SPECIFICATIONS.
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47. 12'-0" X 12'-0" MOTOR OPERATED ROLL-UP DOOR WITH VISION PANEL. 2
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GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage www.GibraltarDesign.com
Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

PAUL L. BRYANT NO. AR11600005 STATE OF INDIANA ARCHITECT

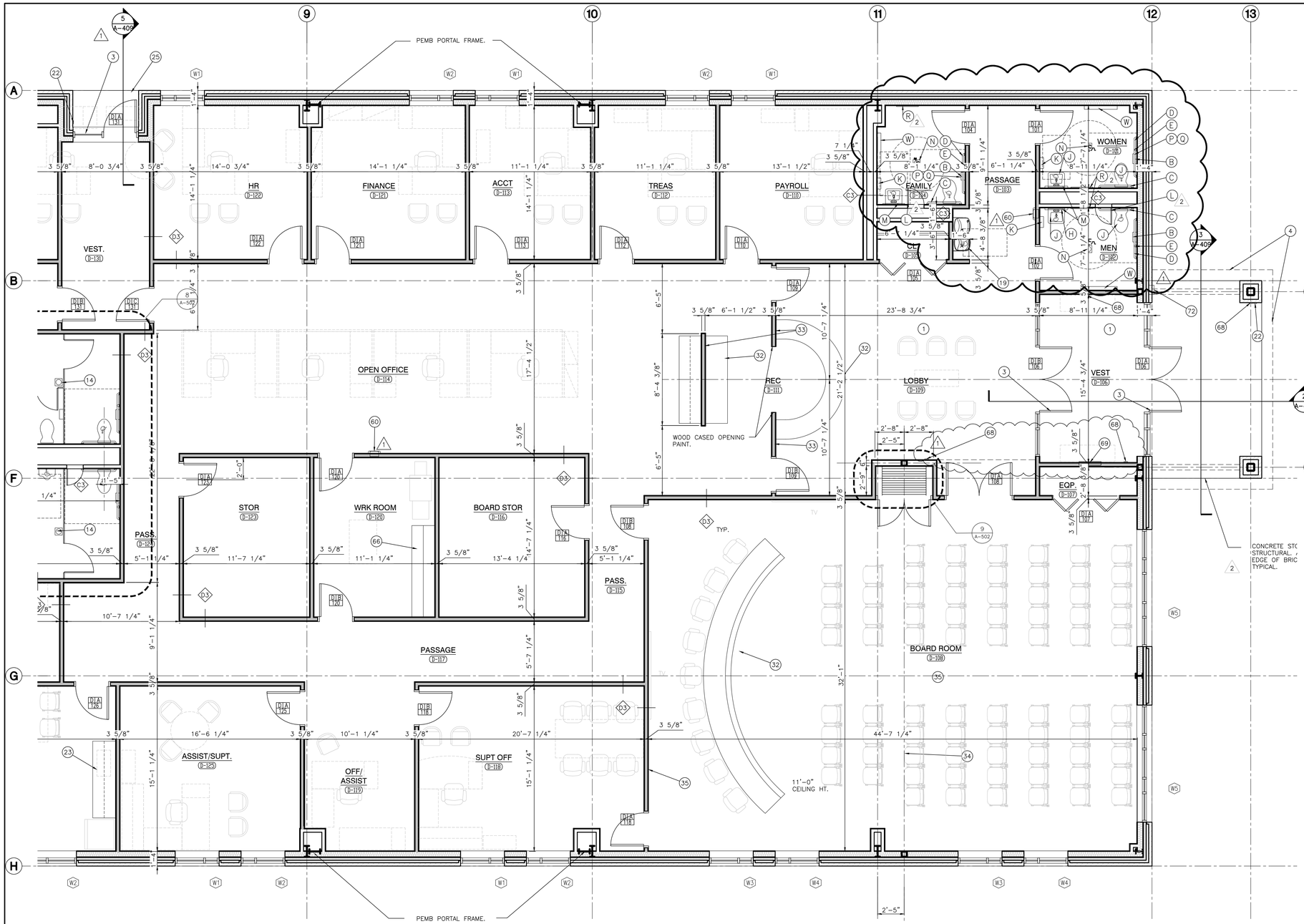
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
ENLARGED FLOOR PLAN
RESOURCE CENTER
BUILDING D

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-108



RESOURCE CENTER BUILDING D FLOOR PLAN

1 / A-104

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

NORTH

GENERAL RESTROOM PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

A. FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G-301.

B. DEPTH OF ALL TOILET ENCLOSURES SHALL BE A MINIMUM OF 5'-0" CLEAR INSIDE DIMENSION UNLESS NOTED OTHERWISE.

C. REFER TO PLUMBING DRAWINGS FOR FIXTURE TYPES.

D. REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS.

E. COORDINATE HEIGHT OF GRAB BAR WITH TANK OF FLOOR MOUNTED WATER CLOSET OR FLUSH VALVE OF WALL MOUNTED WATER CLOSET.

F. INSTALL LAVATORIES AND URINALS AT 2'-6" ON CENTER MINIMUM UNLESS NOTED OTHERWISE.

RESTROOM PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

A. ACCESSIBLE FIXTURE. SEE PLUMBING.
B. TOILET PAPER HOLDER. (OFCI)
C. 3'-0" HANDICAPPED GRAB BAR.
D. 3'-6" HANDICAPPED GRAB BAR.
E. 18" VERTICAL HANDICAPPED GRAB BAR.
F. TOILET PARTITION.
G. URINAL SCREEN WALL.
H. 2'-0" W x 3'-0" H MIRROR WITH BOTTOM OF REFLECTIVE SURFACE MOUNTED AT 40"A.F.F.
J. ACCESSIBLE FIXTURE (LAVATORY/URINAL). SEE PLUMBING DRAWINGS.
K. PAPER TOWEL DISPENSER. (OFCI)
L. 24"x24" ACCESS PANEL. MOUNT TOP OF PANEL AT 5'-4" A.F.F. COORDINATE LOCATION WITH SENSOR HEIGHT.
M. SOAP DISPENSER. (OFCI)
N. FLOOR DRAIN. SEE PLUMBING DRAWINGS.
P. FEMININE NAPKIN DISPOSAL.
Q. FEMININE NAPKIN DISPENSER.
R. 2'-0" x 5'-0" MIRROR BOTTOM AT 1'-4" A.F.F.
S. MOP SINK. SEE PLUMBING.

W. BABY CHANGING TABLE.

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G1 SERIES SHEETS.

B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO THE FACE OF TILE BACKER BOARD.

C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.

D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.

G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.

H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.

I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.

J. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

K. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

PLAN LEGEND:

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-603 BUILDING 'D' ONLY FOR ELEVATIONS AND DETAILS.

INDICATES WALL TYPES REFER TO G-301 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. 2X2 ACOUSTICAL CEILING TILE.
2. EXPOSED STRUCTURE PAINTED.
3. ALUMINUM STOREFRONT.
4. CANOPY.
5. OVERHEAD POWER CHORD REELS REF "E" SERIES DRAWINGS.
6. SCHOOL BUS OUTLINE POSITION.
7. 12'-0" X12'-0" MOTOR OPERATED SECTIONAL OVERHEAD INSULATED GARAGE DOOR AND TRACK.
8. 6" DIAMETER CONCRETE FILLED STEEL PIPE BOLLARDS. REFER TO SPECIFICATIONS.
9. PREFINISHED METAL WALL AND CEILING LINE PANELS WITH SEAM RAPE AND GASKETED SCREWS. SEE BUILDING SECTIONS.
10. PEMB (PRE-ENGINEERED METAL BUILDING)-INSULATED WALLS R-13 AND ROOF R-19.
11. EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME.
12. ALL INTERIOR DOORS TO BE 3'-0" SOLID CORE WOOD WITH HOLLOW METAL FRAMES UNLESS NOTED OTHERWISE.
13. ALL INTERIOR WALLS TO BE TYPE B8 AND INTERIOR CHASE WALLS TO BE TYPE B6.
14. FLOOR DRAIN. SEE PLUMBING.
15. CONCRETE WALK. SEE CIVIL.
16. PLASTIC LAMINATED MAILBOXES. SEE A700 SERIES.
17. 4'-0"W X 6'-0"H FIXED ALUMINUM WINDOW.
18. HOLLOW METAL FRAMED WINDOW.
19. ELECTRIC WATER COOLER. ADA ACCESSIBLE. SEE PLUMBING.
20. 3/4" FIRE TREATED PLYWOOD FROM FLOOR TO 8'-0" A.F.F. ON ALL SIDES OF INTERIOR PEMB GIRT SYSTEM. HOLD OFF FLOOR 1/2". PAINT.
21. ELECTRICAL EQUIPMENT. SEE ELECTRICAL.
22. DOOR ACCESS CONTROL.
23. KITCHENETTE: BASE/WALL CABINETS, SS SINK. SEE A700 SERIES.
24. HOLLOW METAL DOOR AND FRAME.
25. 4" THICK 5'-0" X 5'-0" MIN. CONCRETE STOOP SLOPE AWAY FROM DOOR AT 1/4:12. TURN EDGES DOWN.
26. FURNACE. SEE MECHANICAL.
27. SOLID PLASTIC TOILET PARTITIONS. REFER TO SPECIFICATIONS.
28. AUTOMATIC BUS WASHING SYSTEM. REFER TO SPECIFICATIONS.
29. BRICK VENEER OVER PEMB.
30. INSULATED METAL PANELS OVER 8" CMU WALL CONSTRUCTION.
31. WALL LOUVER. SEE MECHANICAL.
32. MILLWORK. SEE A700 SERIES.
33. SPECIALTY BACK WALL (USE OF ACRYLIC).
34. MANUAL OPERATION FOLDING WALL SYSTEM WITH POCKET DOORS.
35. VMC, PANELIZED BACK WALL (WOOD OR P.LAM) W/ REPRESSED TECHNOLOGY BOARDS.
36. BUS WASH EQUIPMENT. SEE PLUMBING.
37. IN-GROUND BUS LIFT. SEE STRUCTURAL.
38. FIRE CONNECTION. SEE CIVIL.
39. TRENCH DRAIN CONNECT TO OIL SEPARATOR. SEE PLUMBING.
40. REFRIGERATOR BY OWNER.
41. PREFINISHED METAL DOWNSPOUT WITH ALUMINUM BOOT. COORDINATE WITH CIVIL.
42. OIL SEPARATOR. SEE PLUMBING.
43. ACCESS DOOR 16" X 24".
44. EYEWASH STATION. SEE PLUMBING.
45. MOP BASIN. CONNECT TO OIL SEPARATOR. SEE PLUMBING.
46. CLEAN SINK. CONNECT TO OIL SEPARATOR. SEE PLUMBING.
47. 12'-0" X 12'-0" MOTOR OPERATED ROLL-UP DOOR WITH VISION PANEL.
48. ~~ADA 36"X36" TRANSFER SHOWER. SEE PLUMBING.~~
49. ALTERNATE: CHECKER PLATE STEEL STAIR.
50. ALTERNATE: METAL GUARD RAIL.
51. WALL EXHAUST FAN MOUNTED TO ROOF STRUCTURE. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
52. UNIT HEATER MOUNTED TO ROOF STRUCTURE. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
53. ROOF EXHAUST FAN. SEE MECHANICAL EQUIPMENT SCHEDULE FOR UNIT WEIGHT.
54. WALL MOUNT EXHAUST LOUVER ABOVE DOOR. SEE MECHANICAL.
55. PACKAGE A/C UNIT. SEE MECHANICAL.
56. FRP PANEL ON FIRE RETARDANT TREATED PLYWOOD 8'-0" HIGH.
57. PEMB CROSS BRACING. PAINT.
58. METAL LOCKERS (ONE ADA).
59. ADA CLOTHES HOOK.
60. FIRE EXTINGUISHER AND CABINET.
61. ALTERNATE: APPROXIMATE LOCATION OF ROOFTOP HVAC UNIT. SEE MECHANICAL. PROVIDE ROOF CURB FOR STANDARD PEMB ROOFING.
62. WALL MOUNTED ELECTRIC CABINET HEATER. SEE MECHANICAL.
63. 12" WIDE SHELF WITH CLOTHES ROD. SEE A700 SERIES.
64. CAST-IN-PLACE CONCRETE WALL 4'-0" HIGH.
65. POWER RECEPTACLE. SEE ELECTRICAL.
66. BASE/WALL CABINETS. SEE A700 SERIES.
67. 8'-0" X 8'-0" SECTIONAL OVERHEAD INSULATED DOOR AND TRACK.
68. AUTOMATIC DOOR ACTUATOR FOR HC/ADA DOOR OPERATOR. COORDINATE WITH DOOR SCHEDULE AND ELECTRICAL. PROVIDE CONDUIT AND BOX IN MASONRY PIER, GYPSUM BOARD WALL OR ALUMINUM MULLION.
69. WALL MOUNTED ELECTRICAL CABINET HEATER. SEE MECHANICAL.
70. CHAIN-LINK FENCE ENCLOSURE. 8'-0" HIGH.
71. ALTERNATE: IN-GROUND BUS LIFT AT SECOND SERVICE POSITION.
72. FIRE DEPARTMENT KNOX BOX. COORDINATE INSTALL LOCATION WITH LOCAL FIRE DEPARTMENT. TYPICAL (4) BUILDINGS.
73. FIRE DEPARTMENT SPRINKLER CONNECTION AND ALARM BELL SEE FIRE PROTECTION SHEETS.

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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
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PROJECT 20-141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

MICHAEL L. ROUSELL REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

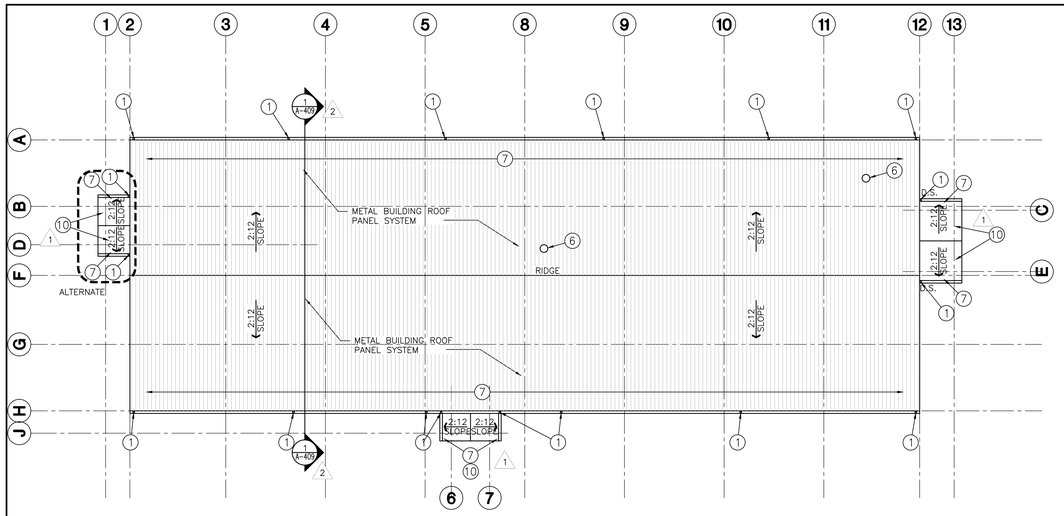
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
ENLARGED FLOOR PLAN
RESOURCE CENTER
BUILDING D

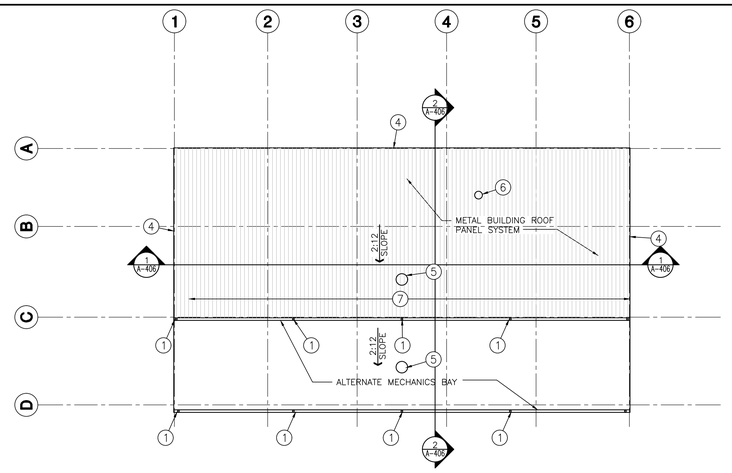
PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-109



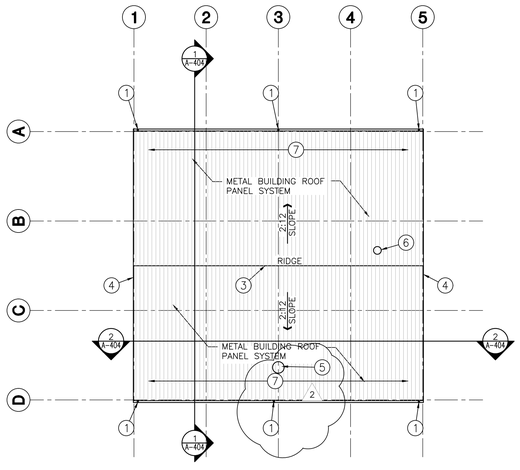
4/A-201 RESOURCE CENTER ARCHITECTURAL ROOF PLAN

SCALE: 1/16" = 1'-0"



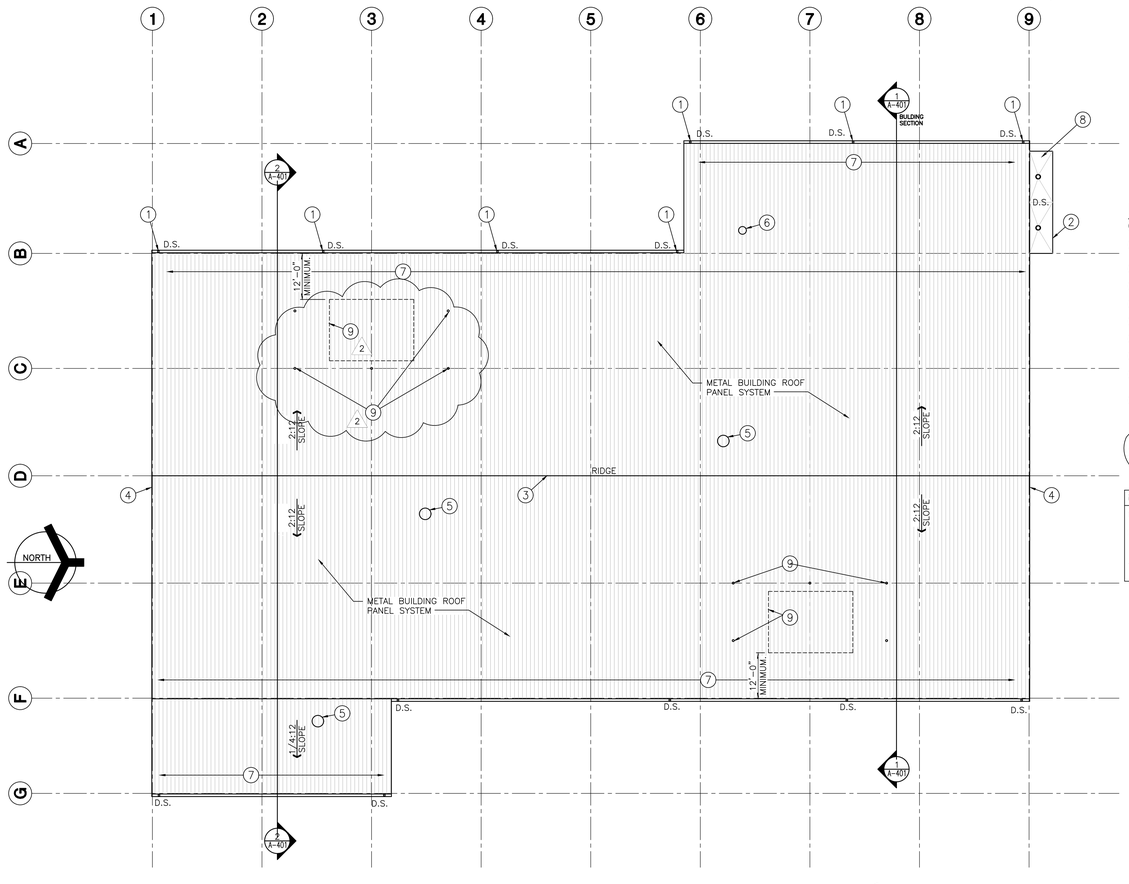
3/A-201 MECHANICS BUILDING ARCHITECTURAL ROOF PLAN

SCALE: 1/16" = 1'-0"



2/A-201 MAINTENANCE BUILDING ARCHITECTURAL ROOF PLAN

SCALE: 1/16" = 1'-0"



1/A-201 BUS BARN ARCHITECTURAL ROOF PLAN

SCALE: 1/16" = 1'-0"

GENERAL ROOF PLAN NOTES:

A. FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G-301.

B. CONTRACTOR VERIFY ALL DIMENSIONS, CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

C. THE ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL DAMAGE CAUSED BY THE IMPROPER STORAGE OR STACKING OF ROOFING MATERIALS.

D. ALL DIMENSIONS INDICATED ON THE ROOF PLAN ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ACCURATE FIELD MEASUREMENTS FOR THE EXECUTION OF HIS WORK AND PRIOR TO ANY FABRICATION OF THE VARIOUS MATERIALS.

E. THE ROOF CONTRACTOR SHALL PROTECT ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS FROM DEBRIS CREATED DURING DEMOLITION AND/OR NEW CONSTRUCTION. THE ROOF CONTRACTOR SHALL INSPECT AND CLEAR ALL DRAINS, SCUPPERS AND DOWNSPOUTS PRIOR TO COMPLETION OF WORK AND TO ENSURE THAT THEY ARE FREE OF DEBRIS AND ARE FUNCTIONING PROPERLY.

F. LOCATION AND QUANTITY OF ALL ROOF DRAINS, FLUES, VENTS, POWER AND GRAVITY VENTILATORS, ETC., SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

G. FOR NEW PLUMBING VENT LOCATIONS REFER TO MECHANICAL ROOF PLANS.

H. EXTEND ALL PLUMBING VENTS SO THAT THE TOP IS A MINIMUM OF 12" ABOVE THE ROOFING MEMBRANE.

I. PROVIDE NEW FLASHING AND TWO PIECE COUNTER-FLASHING WHERE NEW ROOFING ABUTS A NEW OR EXISTING WALL, UNLESS OTHERWISE NOTED OR DETAILED.

J. PROVIDE FLASHING AND SADDLES FOR ALL EQUIPMENT PROVIDED UNDER MECHANICAL.

K. FLASHING OF ALL VENTS, FAN CURBS, MASONRY WALLS, FLUES, DRAINS, FASCIAS, ETC., SHALL BE PERFORMED IN ACCORDANCE WITH THESE SPECIFICATIONS AND DRAWINGS, AND WITH ROOFING MANUFACTURERS STANDARD DETAILS AND SPECIFICATIONS.

L. ALL NEW WOOD BLOCKING AND NAILERS SHALL BE TREATED WOOD.

ROOF LEGEND:

- ELEVATION TOP OF NEW ROOF DECK
- RELIEF VENT
- EXHAUST FAN
- GRAVITY VENT
- PLUMBING VENT

ROOF PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. PREFINISHED METAL DOWNSPOUT CONNECTED TO STORM SEWER WITH BOOT.
2. CANOPY.
3. PREFINISHED METAL RIDGE CAP.
4. PREFINISHED METAL RAKE TRIM.
5. ROOF MOUNTED GENERAL EXHAUST FAN. SEE MECHANICAL.
6. ROOF MOUNTED TOILET EXHAUST FAN. SEE MECHANICAL.
7. SNOW RETENTION SYSTEM.
8. FULL ADHERED SINGLE PLY ROOF MEMBRANE ON MINIMUM 1/4:12 TAPERED ROOF INSULATION ON METAL DECK SEE STRUCTURAL.
9. ALTERNATE: APPROXIMATE LOCATION OF ROOFTOP HVAC UNIT. SEE MECHANICAL. PROVIDE PRE-MANUFACTURED ROOF CURB COMPATIBLE WITH PEMB ROOF SYSTEM. PROVIDE (5) ROOF DAVIT / TIE OFFS AROUND MECHANICAL UNIT. TYPICAL.
10. PREFINISHED STANDING SEAM METAL ROOF ON GALVANIZED STEEL DECK ON STEEL STRUCTURE. SEE STRUCTURAL.

METAL ROOF SNOW RETENTION SYSTEM

1. SLOPE OF BUILDING METAL ROOFS IS 2/12 , UNLESS NOTED OTHERWISE.
2. PROVIDE SNOW RETENTION SYSTEM FOR EACH ROOF EQUAL TO SNO JAX SNO BAR 2-BAR SNOW RETENTION SYSTEM WITH SCREW CLAMPS FASTENED TO STANDING SEAMS.
3. DESIGN CONFIGURATION AND EXTENT,BY MANUFACTURER OF SNOW RETENTION SYSTEM.

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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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PROJECT 20-141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

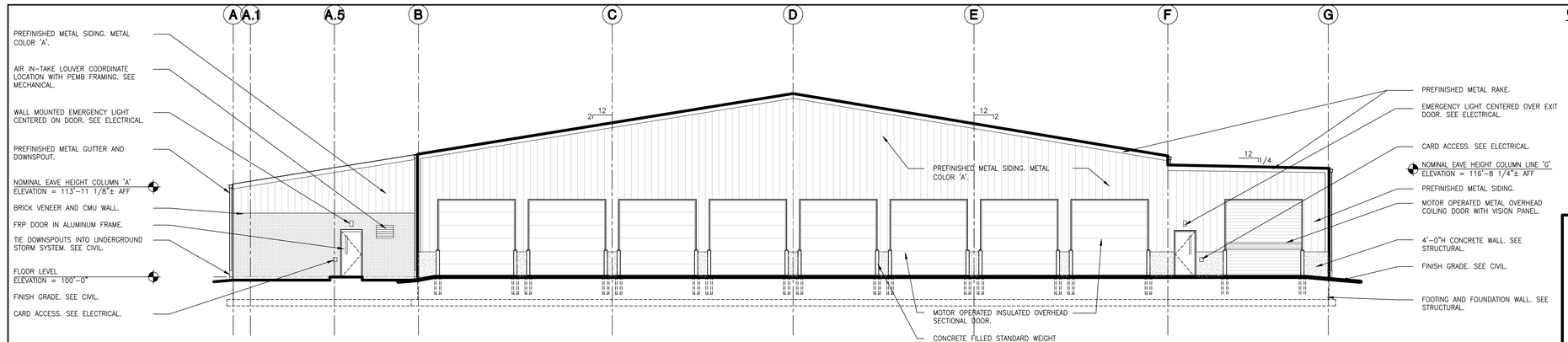
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
ROOF PLANS

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

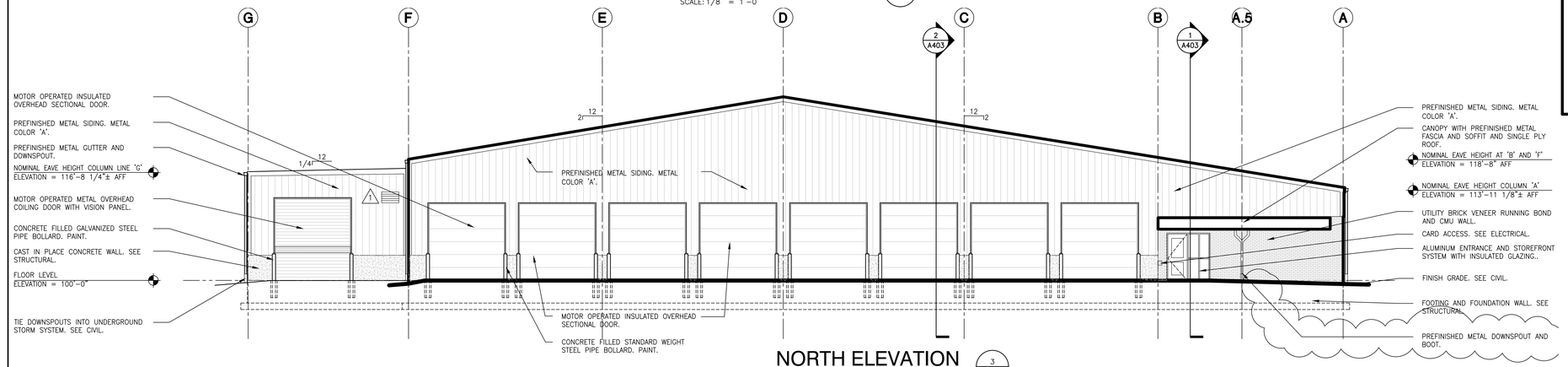
SHEET A-201



SOUTH ELEVATION

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

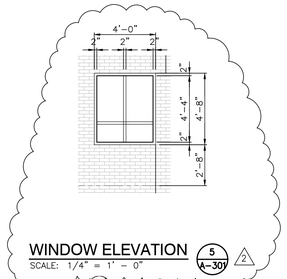
4 / A-301



NORTH ELEVATION

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

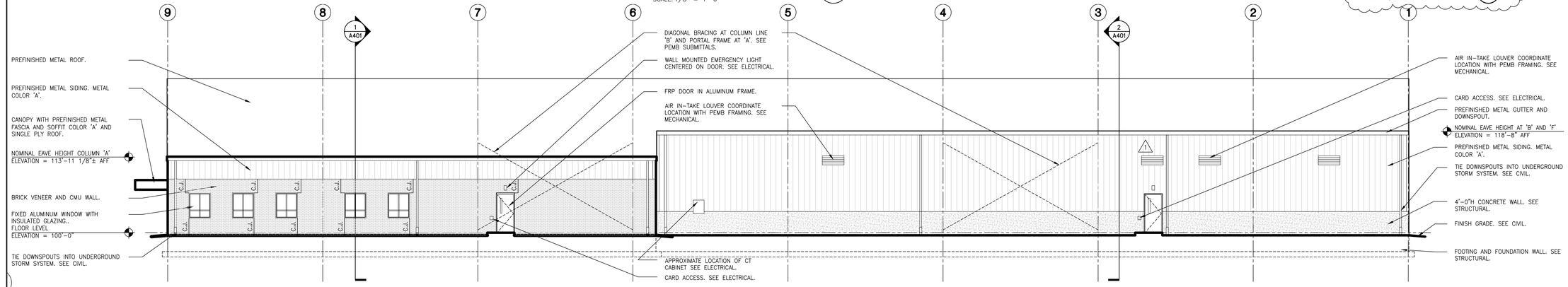
3 / A-301



WINDOW ELEVATION

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

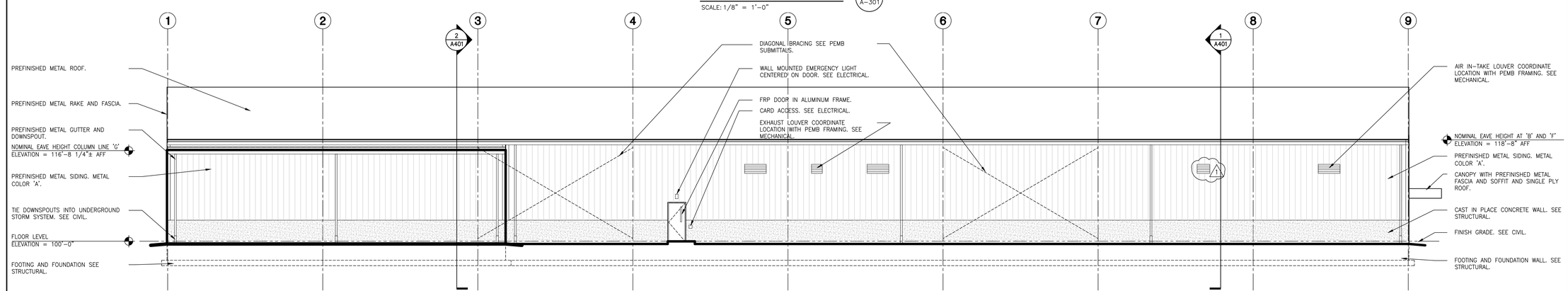
5 / A-301 2



WEST ELEVATION

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

2 / A-301



EAST ELEVATION

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

1 / A-301

GENERAL ELEVATION NOTES:

A. REFER TO STRUCTURAL. DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.

B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.

C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.

D. ALL NEW FACE BRICK SHALL BE UTILITY RUNNING BOND UNLESS NOTED OTHERWISE.

E. FINISH GRADE INDICATED ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHINGS WITH ACTUAL GRADES TO PLACE CELL VENTS ABOVE GRADE.

F. (CJ) INDICATES CONTROL JOINT. REFER TO DETAIL THIS SET.

G. COORDINATE MECHANICAL EQUIPMENT WALL AND ROOF PENETRATIONS WITH PEMB STRUCTURAL FRAME.

All Buildings

1) Metal Color A (light) – Corrugated Metal panel
   a. **PAC-CLAD – "Sierra Tan"**
   b. **Sherwin Williams – SW7549 "Studio Taupe"**
2) Metal Color B (dark) – Copings/Gutters/Downspouts/Canopies/Overhangs
   a. **EFCO Ultrapon – "Mesa Brown"**
   b. **Sherwin Williams – SW6075 "Garret Gray" *Preferred***
3) Metal Roof
   a. **PAD-CLAD – "Granite"**
   b. **Sherwin Williams – SW7017 "Dorian Gray"**
4) Storefront – **Clear Anodized**
5) Window Sills – **Stone**
6) FRP Doors – **Special-Lite "Sage Brown"**
7) Overhead Sectional Door & Frame – Match **Metal Color A**

Resource Center

1) Field Brick – **Brick C**
2) Blonde Bottom Band – **Brick A**
3) Soldier – **Brick D**

Bus Garage

1) Field brick – **Brick A**

Maintenance/Mechanics

1) Dark Bottom Band - Match **Metal Color B**
   a. Height – Align to height of FRP doors

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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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PROJECT
20-141
DATE
05/17/21
COORDINATED BY
CD
DRAWN BY
JKF, AB
CHECKED BY
JPB

MICHAEL L. ROSSITER REGISTERED ARCHITECT ND AR11600005 STATE OF INDIANA

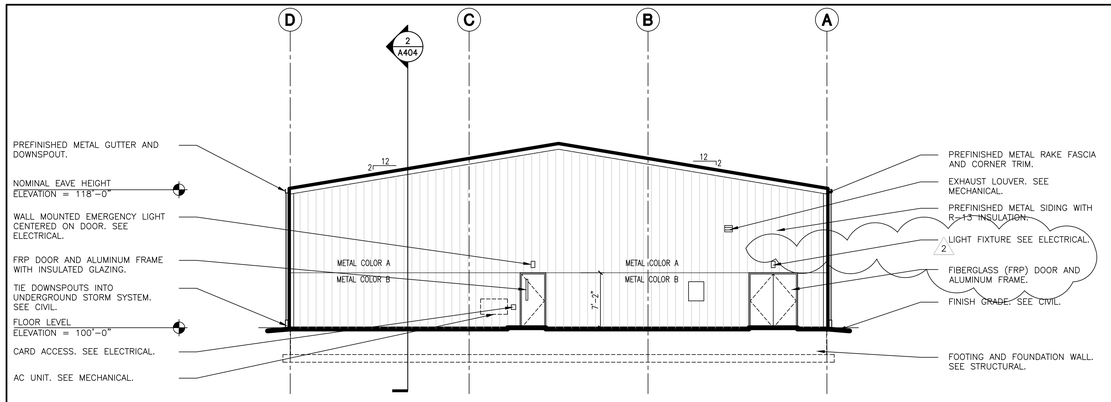
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
EXTERIOR ELEVATIONS
BUS GARAGE
BUILDING A

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

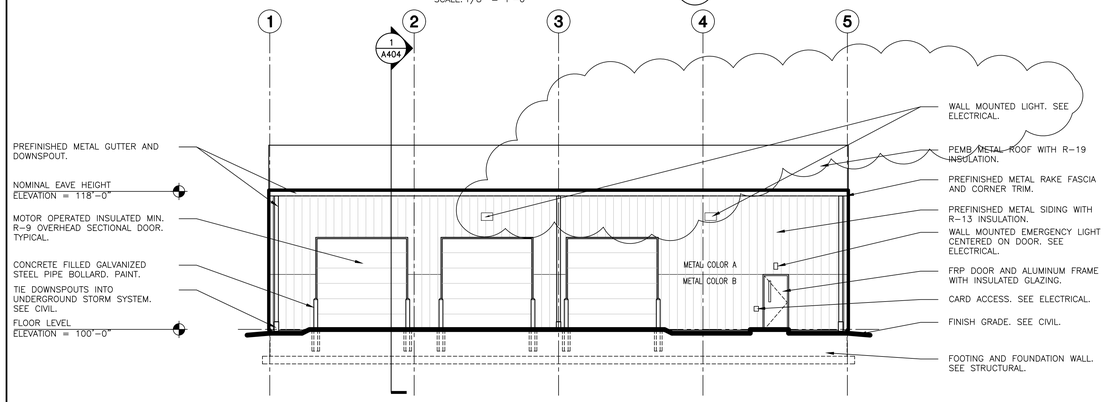
SHEET
A-301



NORTH ELEVATION

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

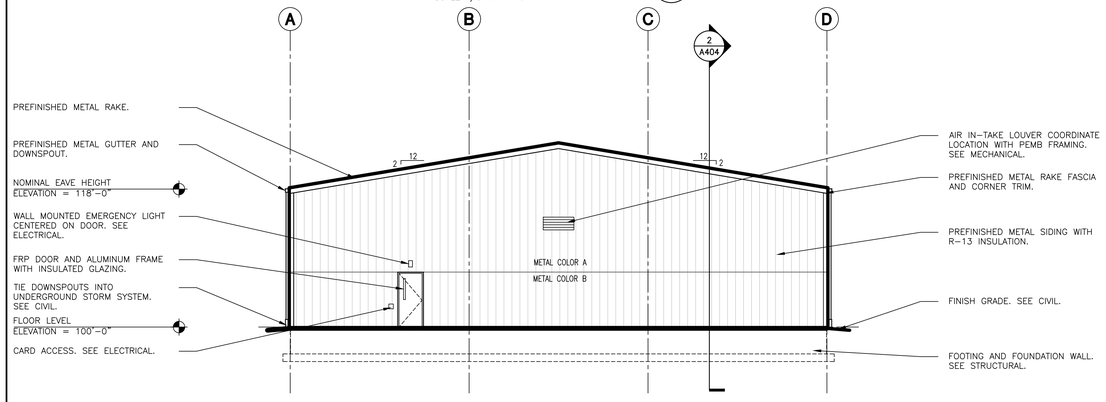
1 / A-302



EAST ELEVATION

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

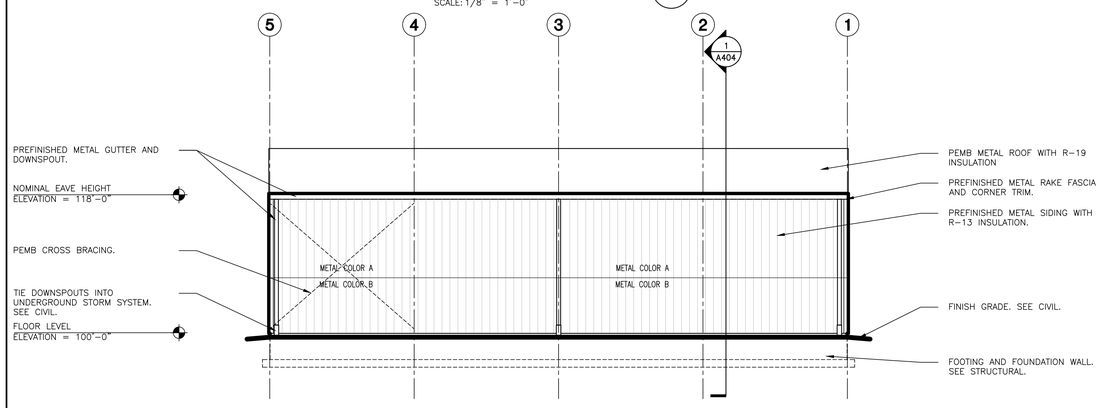
2 / A-302



SOUTH ELEVATION

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

3 / A-302



WEST ELEVATION

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

4 / A-302

GENERAL ELEVATION NOTES:

A. REFER TO STRUCTURAL. DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.

B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.

C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.

D. ALL NEW FACE BRICK SHALL BE UTILITY RUNNING BOND UNLESS NOTED OTHERWISE.

E. FINISH GRADE INDICATED ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHINGS WITH ACTUAL GRADES TO PLACE CELL VENTS ABOVE GRADE.

F. (CJ) INDICATES CONTROL JOINT. REFER TO DETAIL THIS SET.

G. COORDINATE MECHANICAL EQUIPMENT WALL AND ROOF PENETRATIONS WITH PEMB STRUCTURAL FRAME.

EXTERIOR FINISH LEGEND:

All Buildings

1) Metal Color A (light) – Corrugated Metal panel
   a. **PAC-CLAD – "Sierra Tan"**
   b. **Sherwin Williams – SW7549 "Studio Taupe"**
2) Metal Color B (dark) – Copings/Gutters/Downspouts/Canopies/Overhangs
   a. **EFCO Ultrapon – "Mesa Brown"**
   b. **Sherwin Williams – SW6075 "Garret Gray" *Preferred***
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4) Storefront – **Clear Anodized**
5) Window Sills – **Stone**
6) FRP Doors – **Special-Lite "Sage Brown"**
7) Overhead Sectional Door & Frame – Match **Metal Color A**

Resource Center

1) Field Brick – **Brick C**
2) Blonde Bottom Band – **Brick A**
3) Soldier – **Brick D**

Bus Garage

1) Field brick – **Brick A**

Maintenance/Mechanics

1) Dark Bottom Band - Match **Metal Color B**
   a. Height – Align to height of FRP doors

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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

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20-141
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MICHAEL L. ROSSLER REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

REVISIONS

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1	05/28/21	ADDENDUM #1
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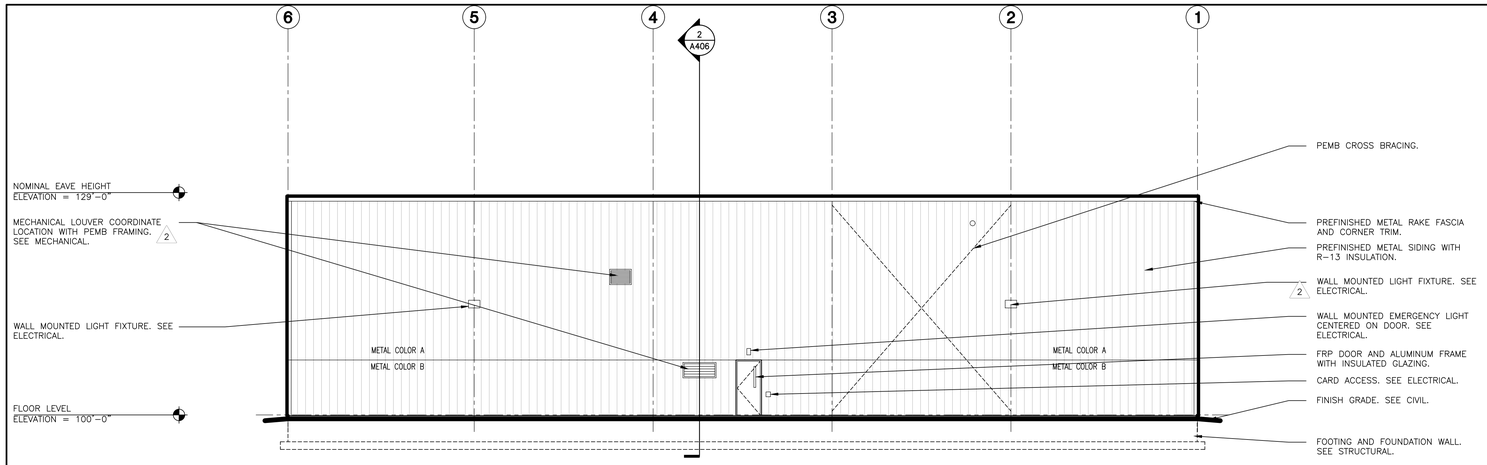
DRAWING
EXTERIOR ELEVATIONS
MAINTENANCE BUILDING
BUILDING B

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

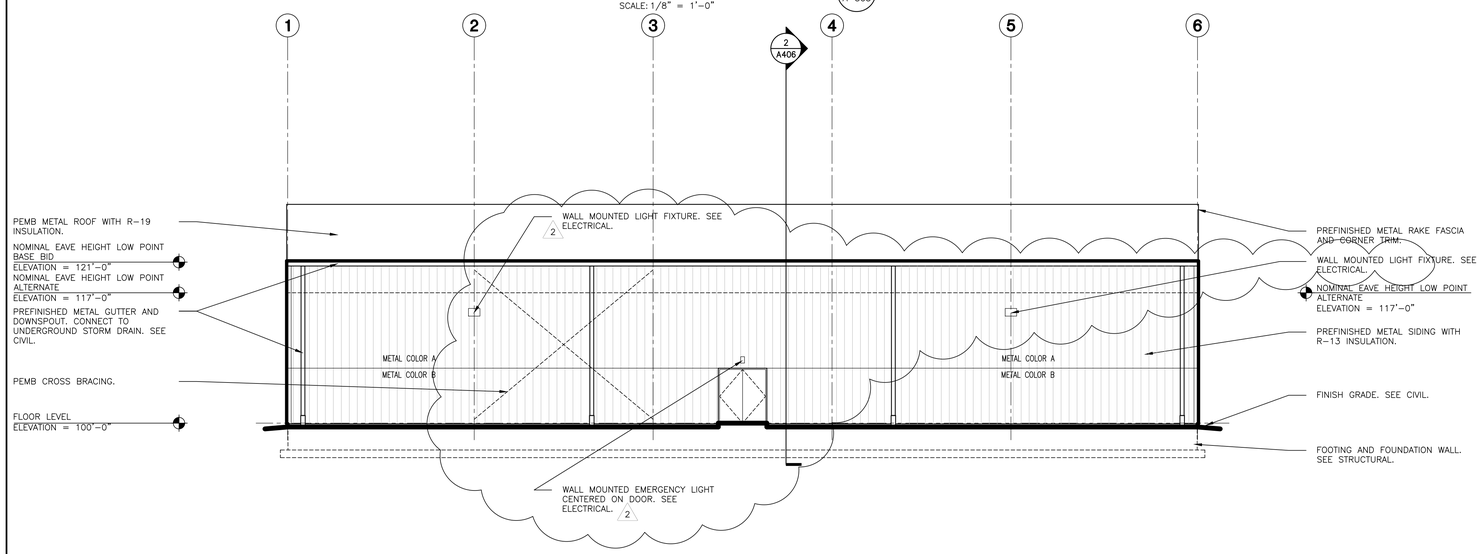
SHEET
A-302



WEST ELEVATION

4 / A-303

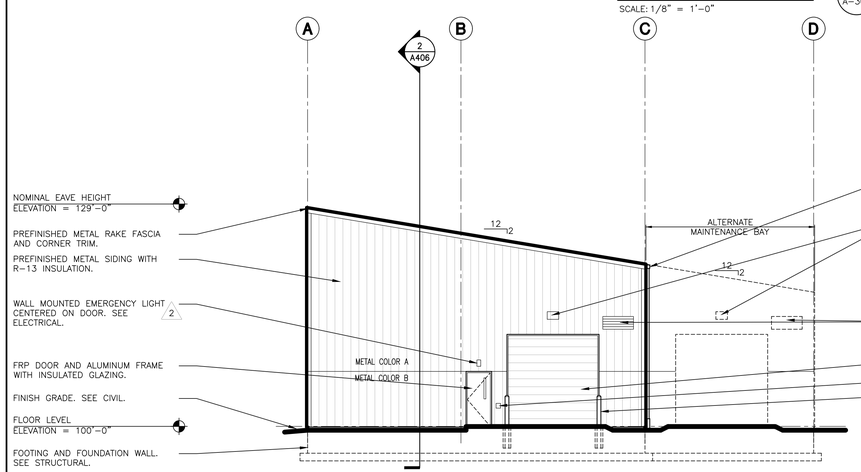
SCALE: 1/8" = 1'-0"



EAST ELEVATION

3 / A-303

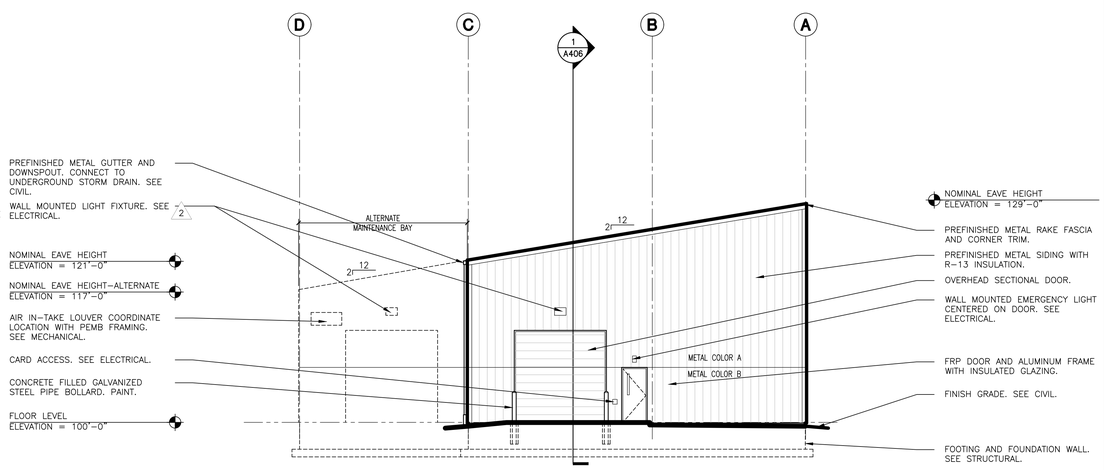
SCALE: 1/8" = 1'-0"



SOUTH ELEVATION

2 / A-303

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



NORTH ELEVATION

1 / A-303

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

GENERAL ELEVATION NOTES:

A. REFER TO STRUCTURAL. DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.

B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.

C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.

D. ALL NEW FACE BRICK SHALL BE UTILITY RUNNING BOND UNLESS NOTED OTHERWISE.

E. FINISH GRADE INDICATED ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHINGS WITH ACTUAL GRADES TO PLACE CELL VENTS ABOVE GRADE.

F. (CJ) INDICATES CONTROL JOINT. REFER TO DETAIL THIS SET.

G. COORDINATE MECHANICAL EQUIPMENT WALL AND ROOF PENETRATIONS WITH PEMB STRUCTURAL FRAME.

EXTERIOR FINISH LEGEND:

All Buildings

1) Metal Color A (light) – Corrugated Metal panel
   a. **PAC-CLAD – "Sierra Tan"**
   b. **Sherwin Williams – SW7549 "Studio Taupe"**
2) Metal Color B (dark) – Copings/Gutters/Downspouts/Canopies/Overhangs
   a. **EFCO Ultrapon – "Mesa Brown"**
   b. **Sherwin Williams – SW6075 "Garret Gray" *Preferred***
3) Metal Roof
   a. **PAD-CLAD – "Granite"**
   b. **Sherwin Williams – SW7017 "Dorian Gray"**
4) Storefront – **Clear Anodized**
5) Window Sills – **Stone**
6) FRP Doors – **Special-Lite "Sage Brown"**
7) Overhead Sectional Door & Frame – Match **Metal Color A**

Resource Center

1) Field Brick – **Brick C**
2) Blonde Bottom Band – **Brick A**
3) Soldier – **Brick D**

Bus Garage

1) Field brick – **Brick A**

Maintenance/Mechanics

1) Dark Bottom Band - Match **Metal Color B**
   a. Height – Align to height of FRP doors

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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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PROJECT
20-141
DATE
05/17/21
COORDINATED BY
CD
DRAWN BY
JKF, AB
CHECKED BY
JPB

RUSSELL L. ARNOLD
REGISTERED
NO.
AR11600005
STATE OF
INDIANA
ARCHITECT

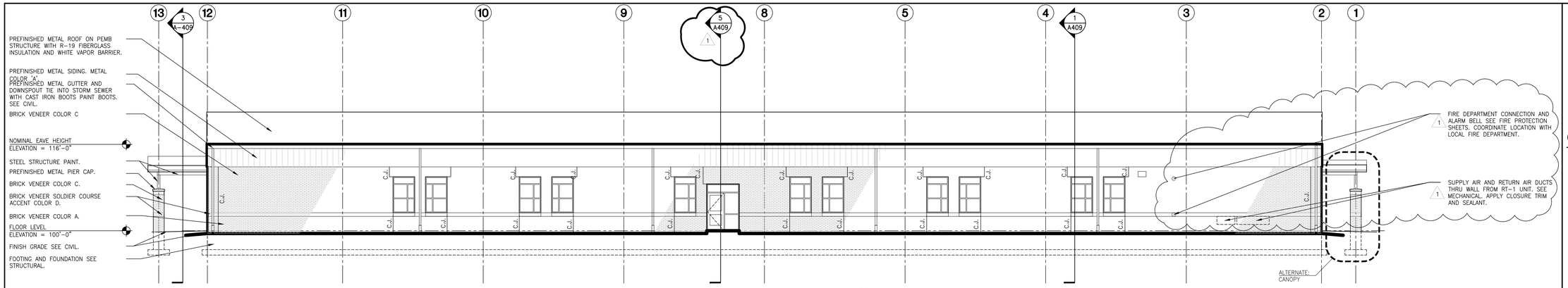
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
EXTERIOR ELEVATIONS
MECHANICS BUILDING
BUILDING C

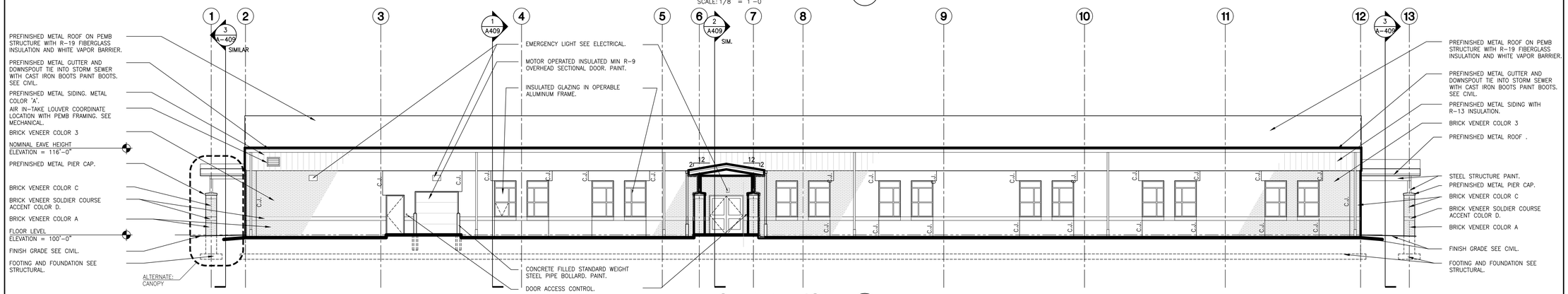
PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-303



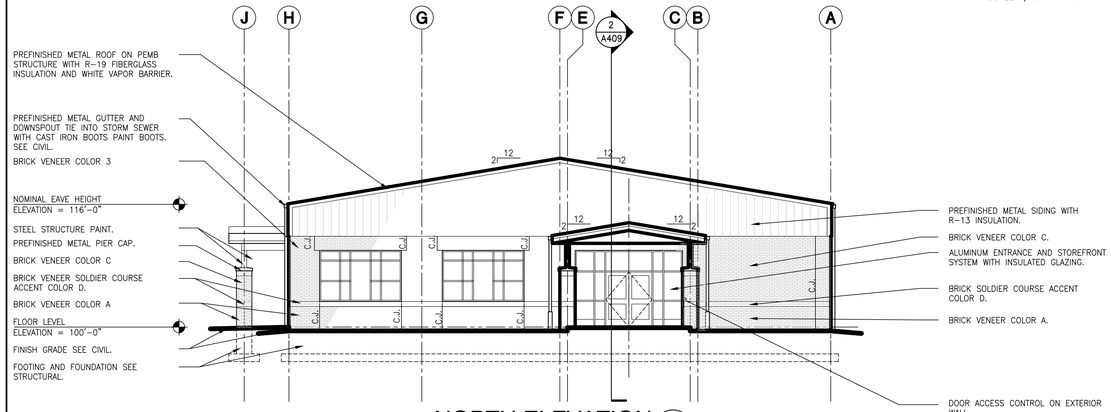
WEST ELEVATION

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



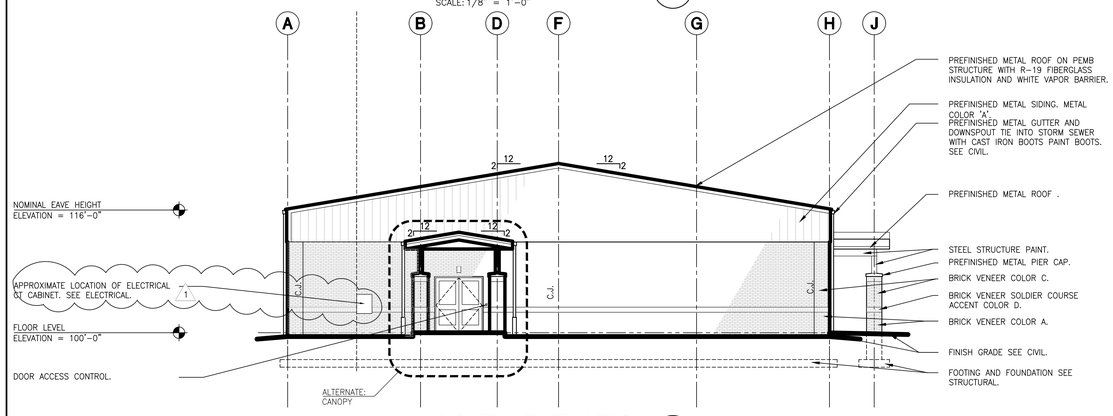
EAST ELEVATION

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



NORTH ELEVATION

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



SOUTH ELEVATION

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

GENERAL ELEVATION NOTES:

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   a. **PAD-CLAD – "Granite"**
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7) Overhead Sectional Door & Frame – Match **Metal Color A**

Resource Center

1) Field Brick – **Brick C**
2) Blonde Bottom Band – **Brick A**
3) Soldier – **Brick D**

Bus Garage

1) Field brick – **Brick A**

Maintenance/Mechanics

1) Dark Bottom Band - Match **Metal Color B**
   a. Height – Align to height of FRP doors

GIBRALTAR DESIGN

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PROJECT
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PROJECT 20-141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

MICHAEL L. ROSSELL REGISTERED ND. AR11600005 STATE OF INDIANA ARCHITECT

REVISIONS

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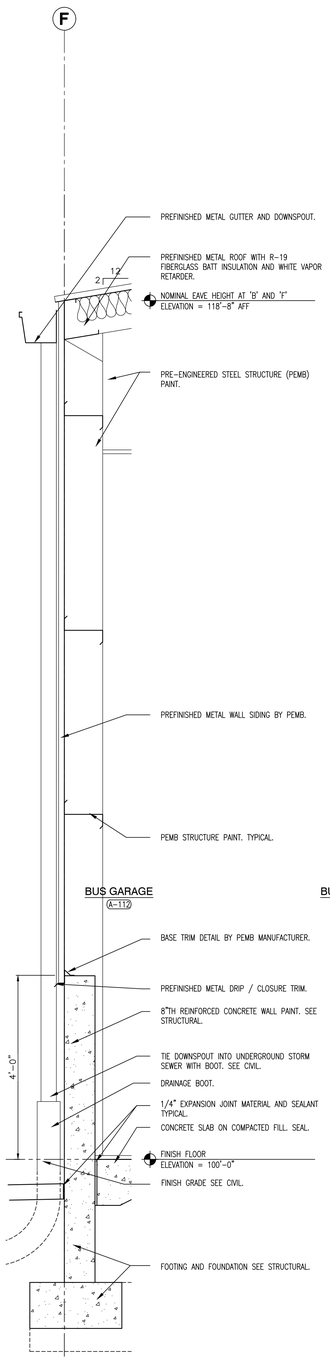
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

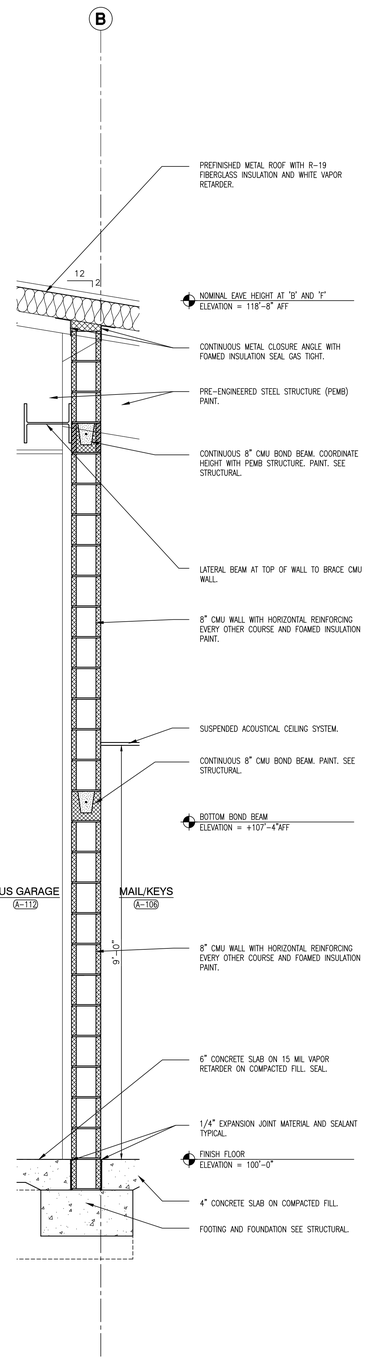
DRAWING
EXTERIOR ELEVATIONS
RESOURCE CENTER
BUILDING D

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

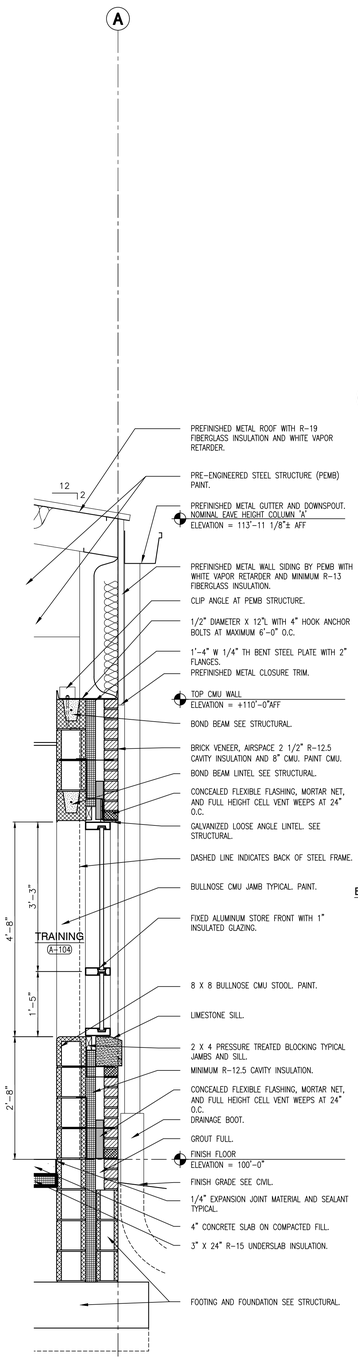
SHEET
A-304



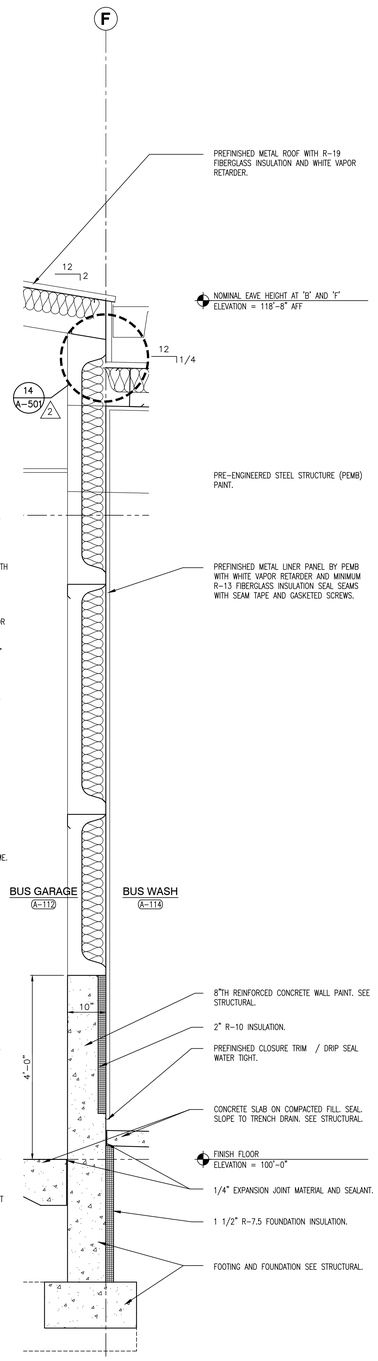
1 A-402 WALL SECTION
SCALE: 3/4" = 1' - 0"



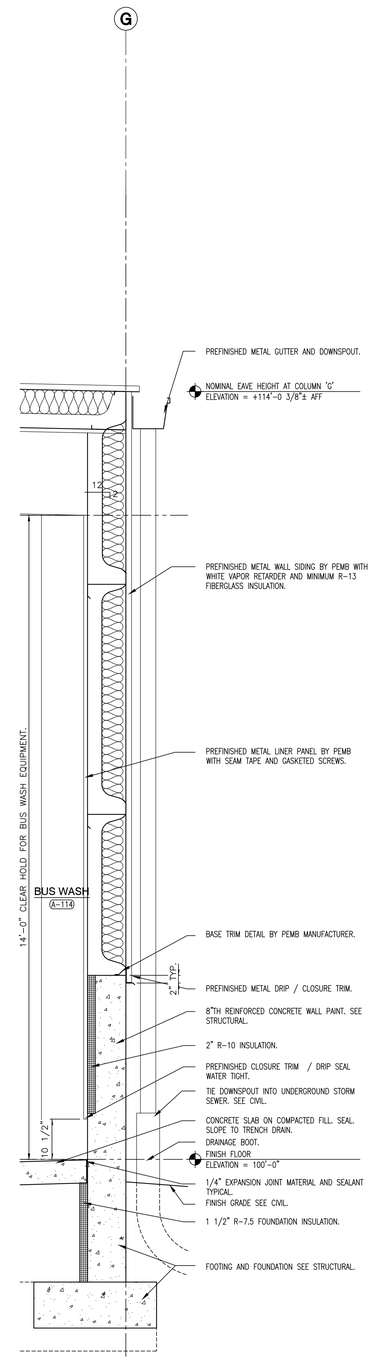
2 A-402 WALL SECTION
SCALE: 3/4" = 1' - 0"



3 A-402 WALL SECTION
SCALE: 3/4" = 1' - 0"



4 A-402 WALL SECTION
SCALE: 3/4" = 1' - 0"



5 A-402 WALL SECTION
SCALE: 3/4" = 1' - 0"

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PROJECT
20-141
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CD
DRAWN BY
JKF, AB
CHECKED BY
JPB

MICHAEL L. ROSSLER
REGISTERED
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STATE OF
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ARCHITECT

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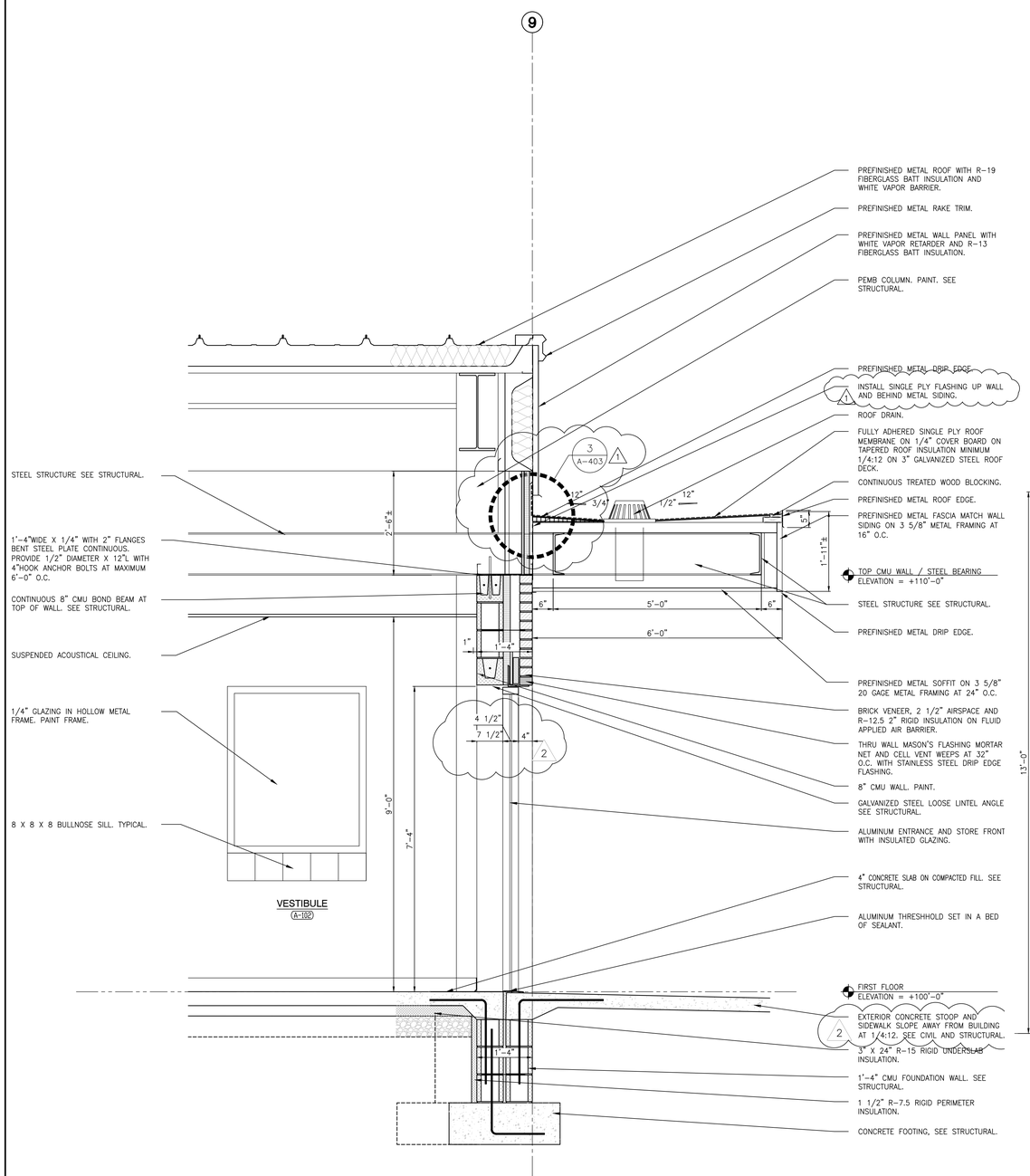
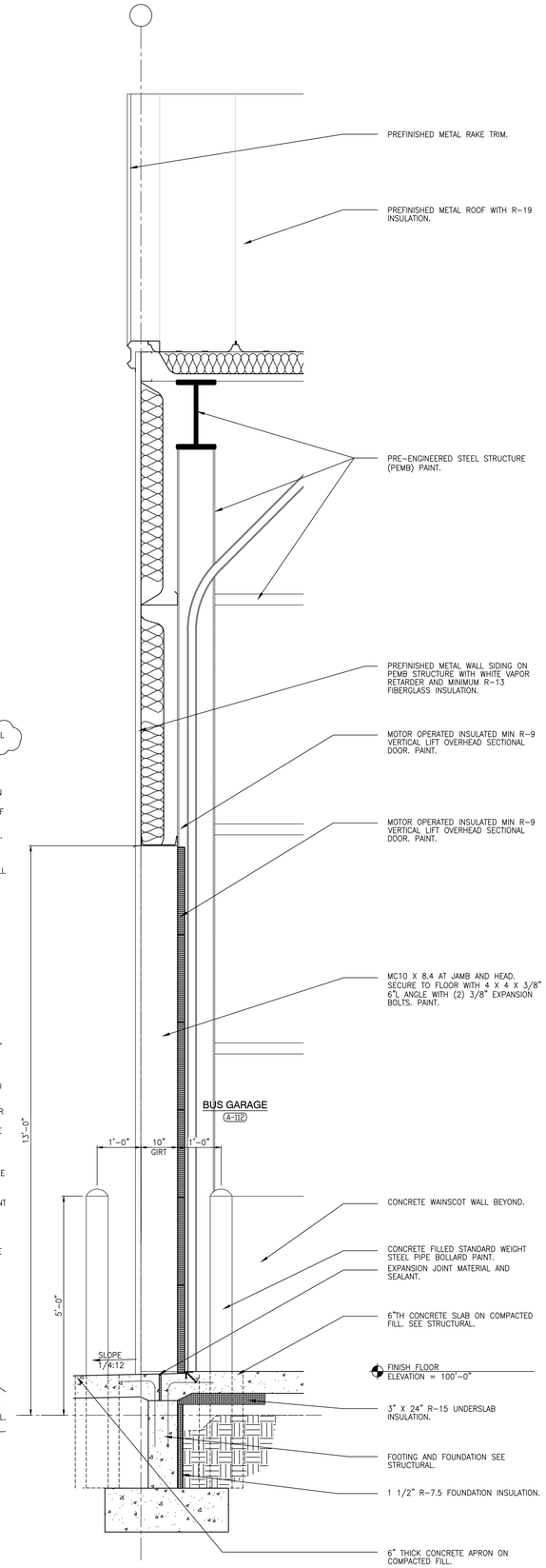
DRAWING
WALL SECTIONS
BUS GARAGE
BUILDING A

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

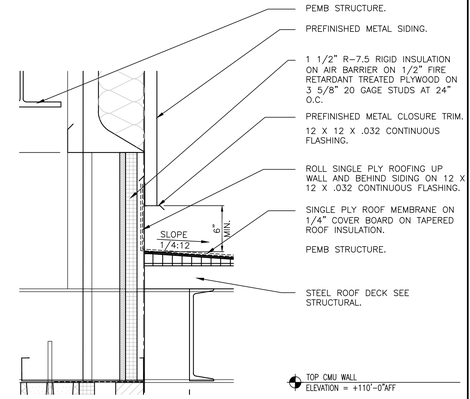
SHEET
A-402



WALL SECTION
SCALE: 3/4" = 1'-0"
1
A-403



WALL SECTION
SCALE: 3/4" = 1'-0"
2
A-403



WALL DETAIL
SCALE: 1 1/2" = 1' - 0"
3
A-403

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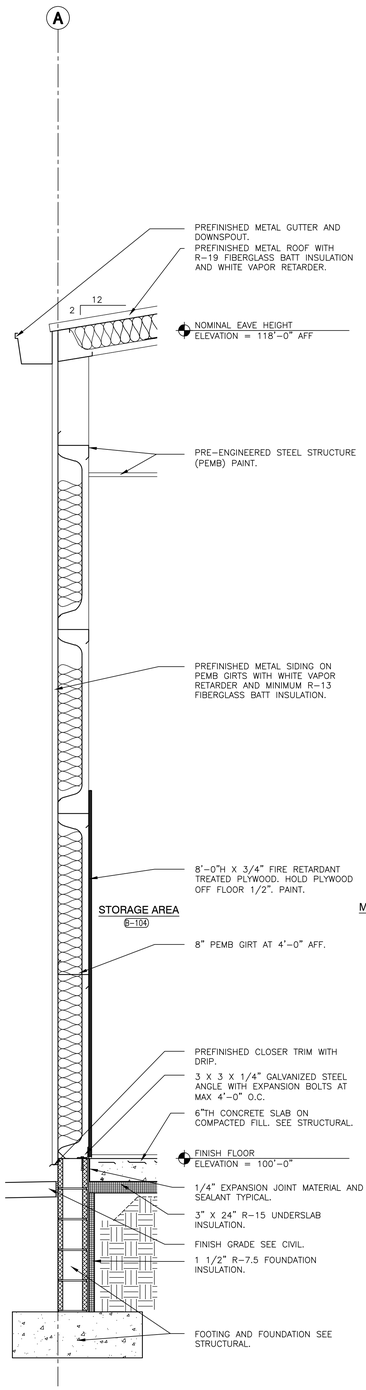
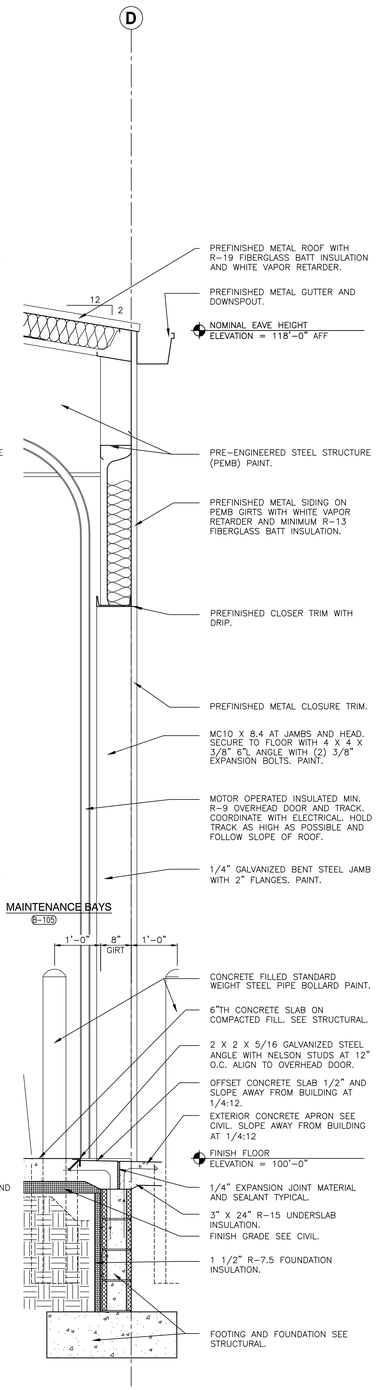
DRAWING
WALL SECTIONS
BUS GARAGE
BUILDING A

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

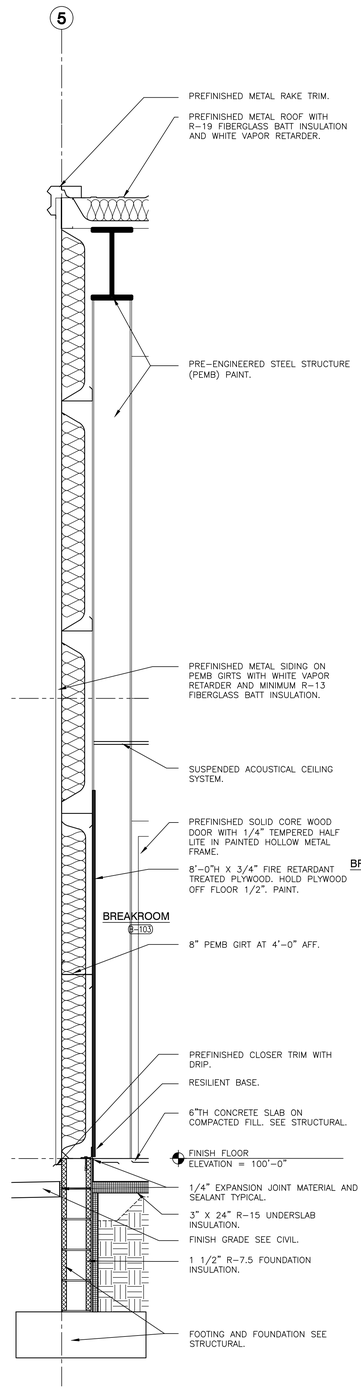
SHEET
A-403



1 A-405 WALL SECTION
SCALE: 3/4" = 1' - 0"



2 A-405 WALL SECTION
SCALE: 3/4" = 1' - 0"



3 A-405 WALL SECTION
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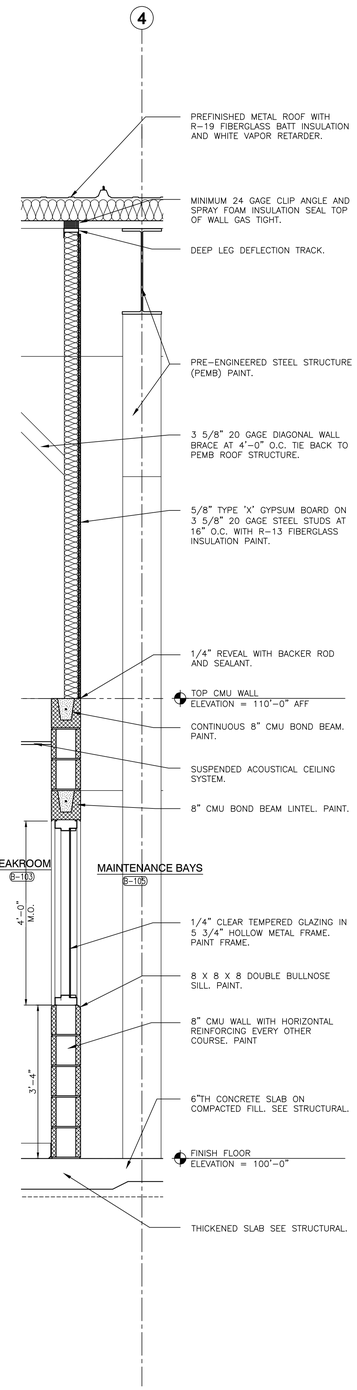

4 A-405 WALL SECTION
SCALE: 3/4" = 1' - 0"

WALL SECTS.DWG
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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
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COORDINATED BY
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DRAWN BY
JKF, AB
CHECKED BY
JPB

MICHAEL L. ROSSITER
REGISTERED
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STATE OF
INDIANA
ARCHITECT

REVISIONS

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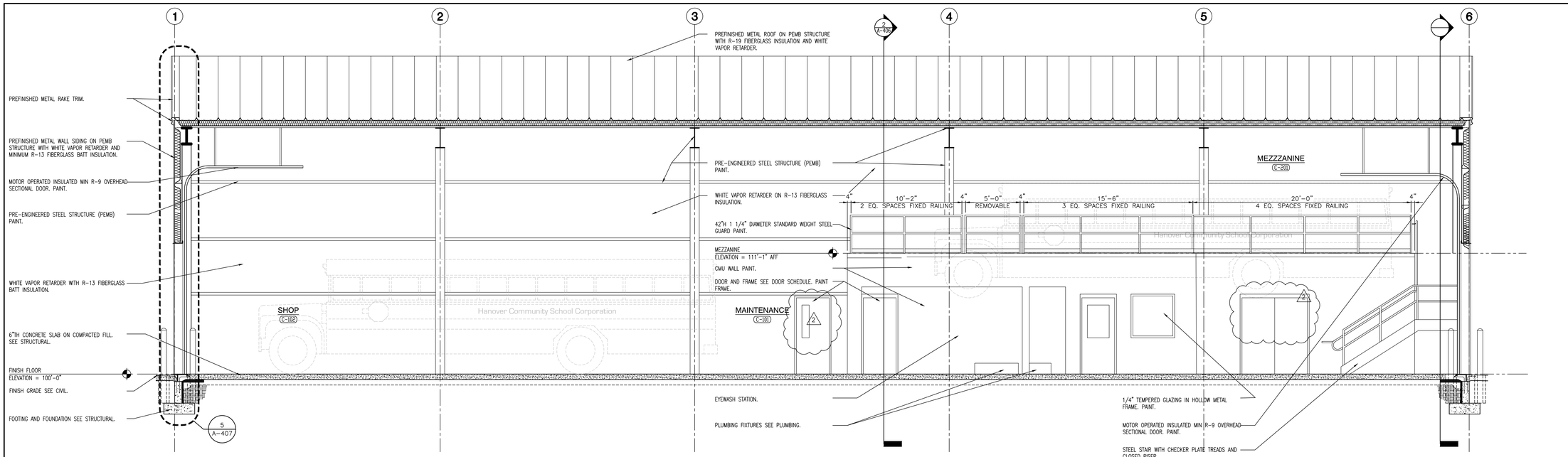
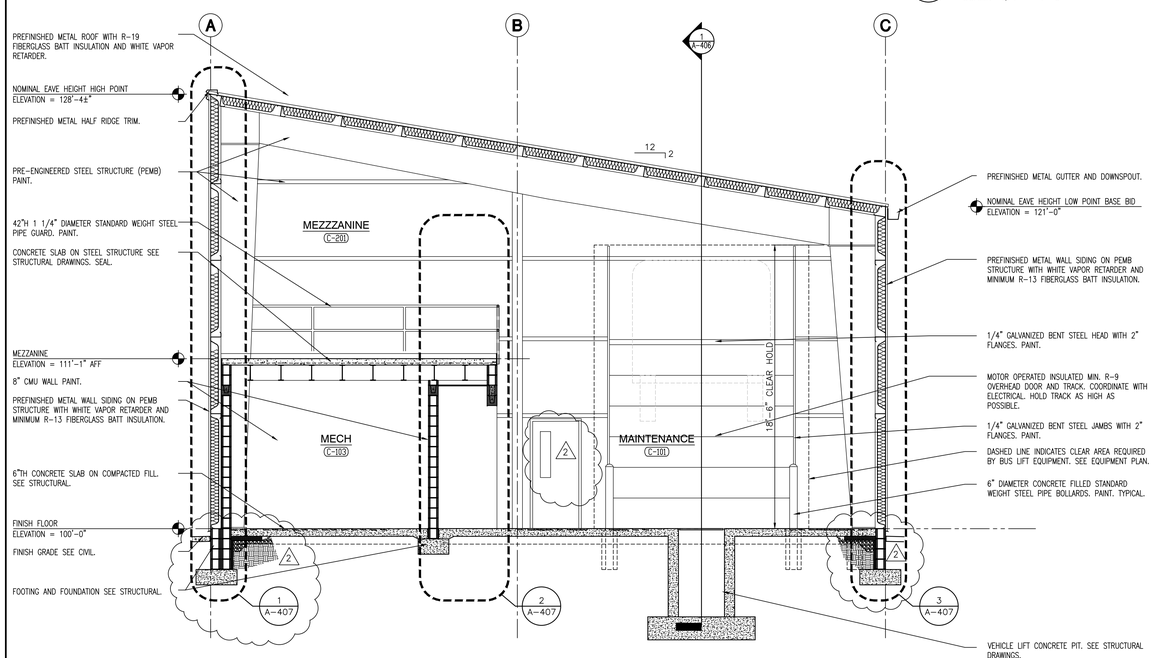
DRAWING
WALL SECTIONS
MAINTENANCE GARAGE
BUILDING B

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

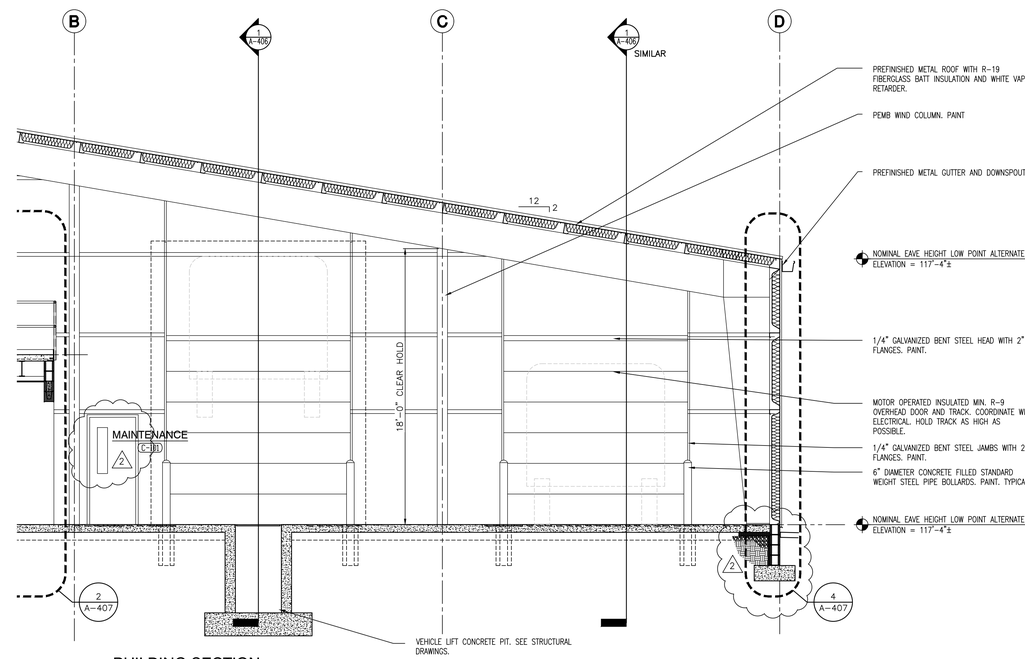
SHEET
A-405



1 A-406 BUILDING SECTION MECHANICS BUILDING
SCALE: 1/4" = 1'-0"



2 A-406 BUILDING SECTION MECHANICS BUILDING BASE BID
SCALE: 1/4" = 1'-0"



3 A-406 BUILDING SECTION MECHANICS BUILDING ALTERNATE
SCALE: 1/4" = 1'-0"

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BUILDING SECTIONS
MECHANICS BUILDING
BUILDING C

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-406

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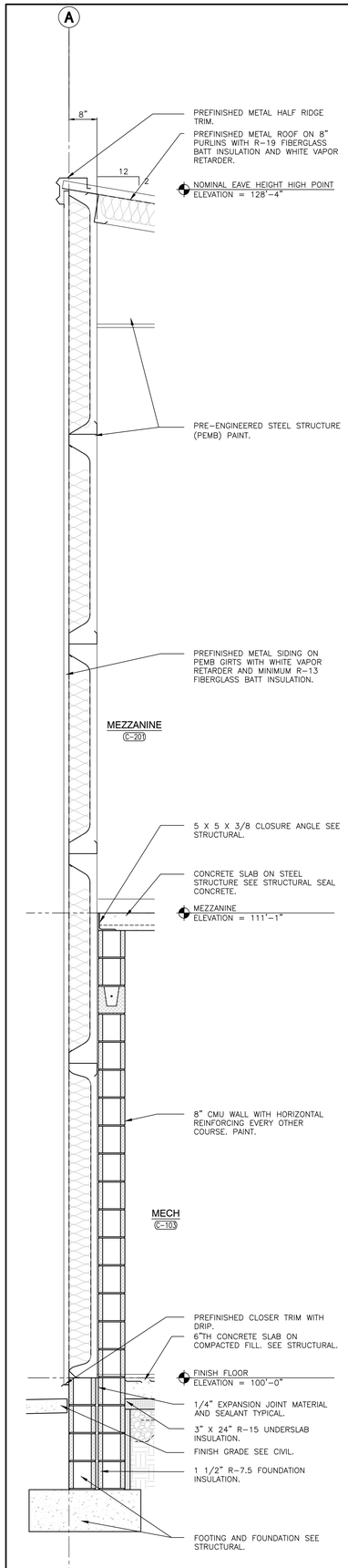
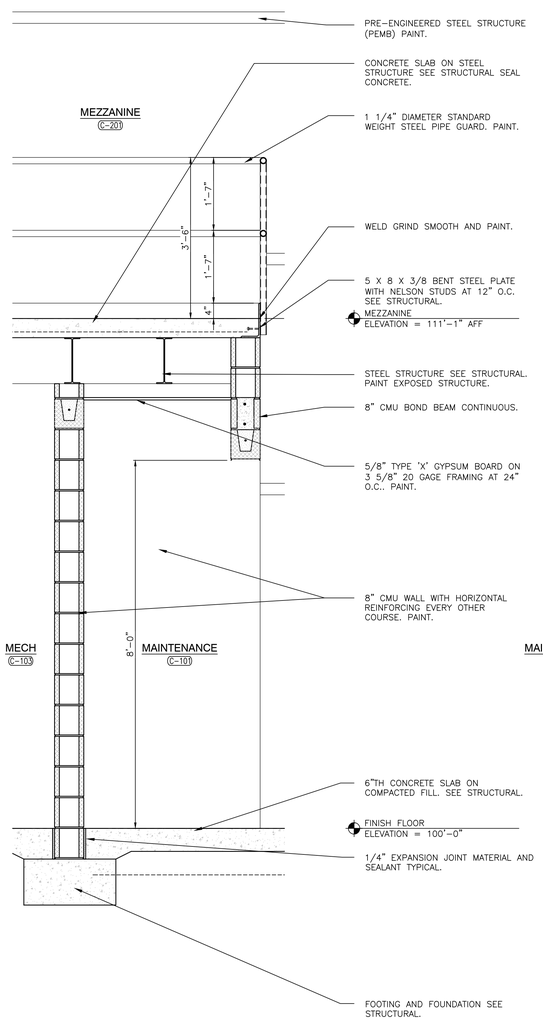


1 A-407 WALL SECTION
SCALE: 3/4" = 1' - 0"



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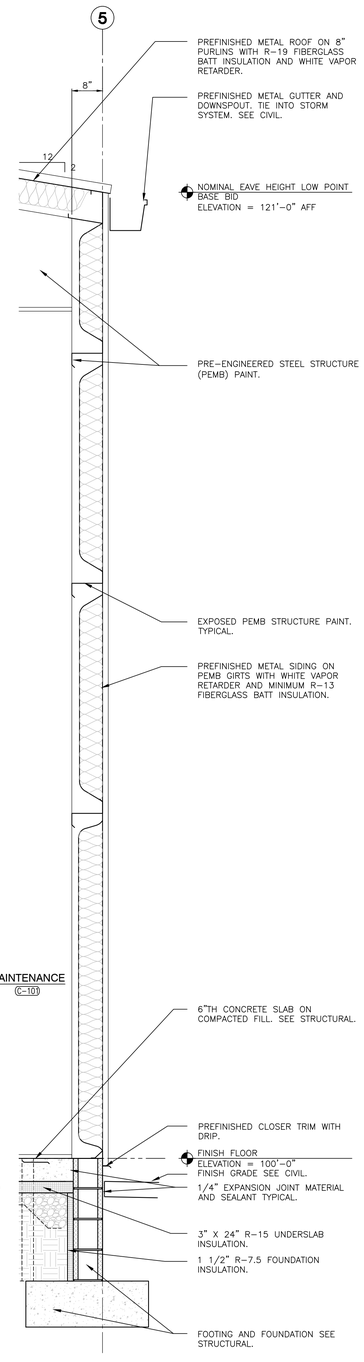

3 A-407 WALL SECTION
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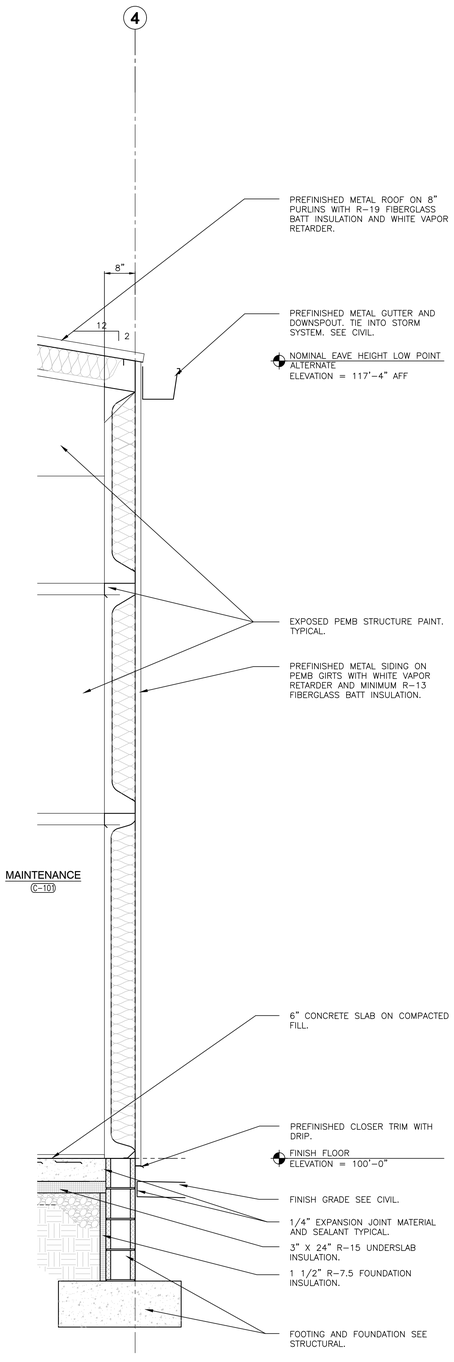
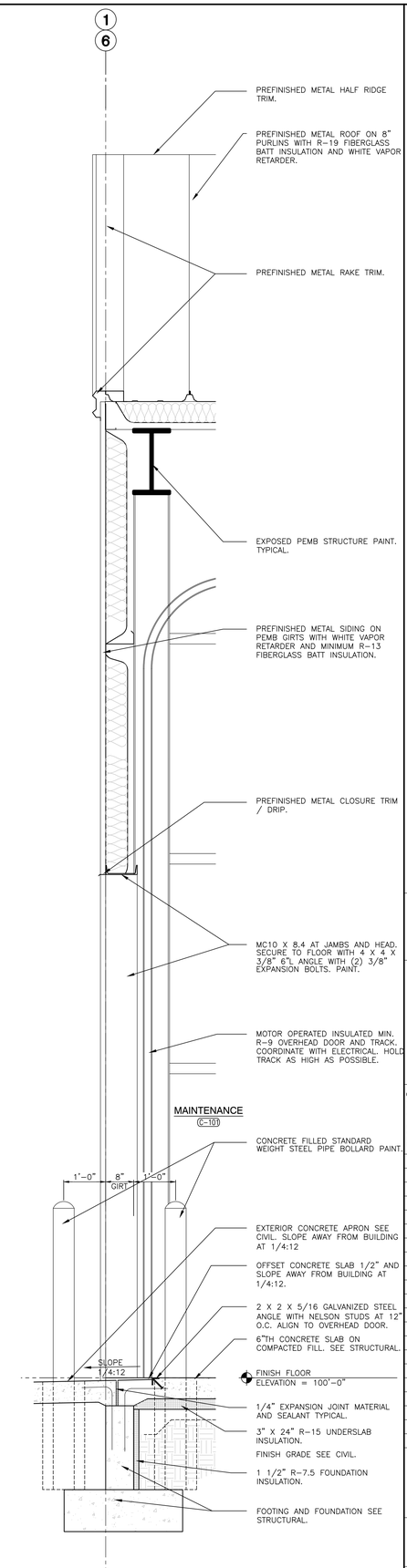


4 A-407 WALL SECTION
SCALE: 3/4" = 1' - 0"



5 A-407 WALL SECTION
SCALE: 3/4" = 1' - 0"

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MICHAEL L. ROSSITER
REGISTERED
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STATE OF INDIANA
ARCHITECT

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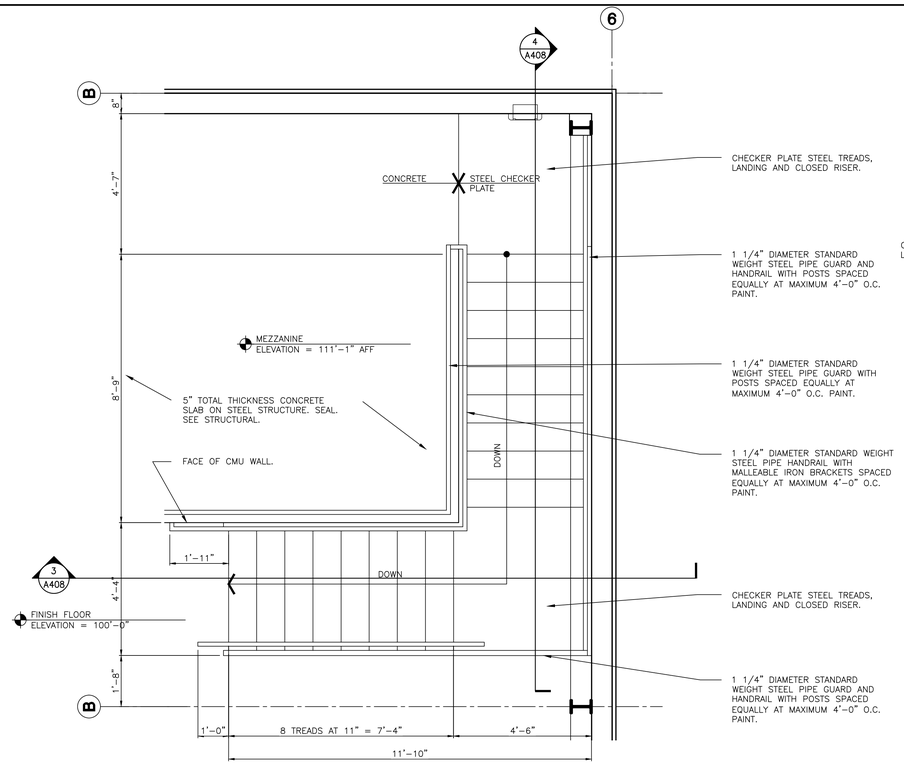
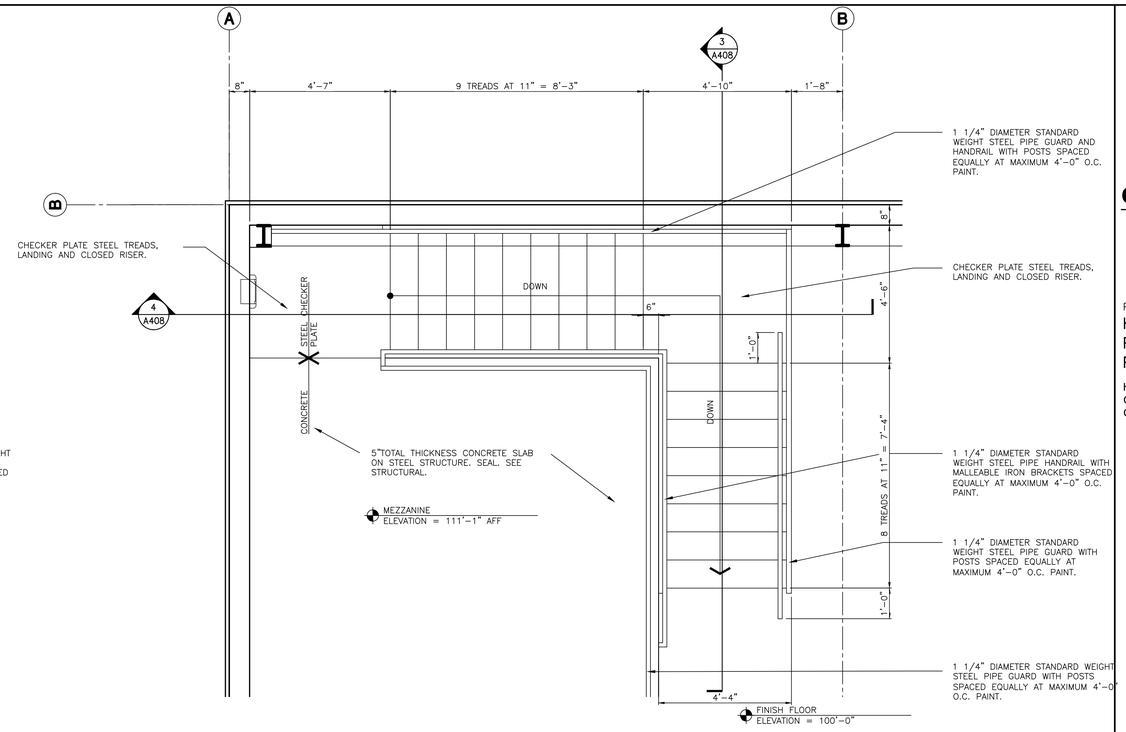
DRAWING
WALL SECTIONS
MECHANICS BUILDING
BUILDING C

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

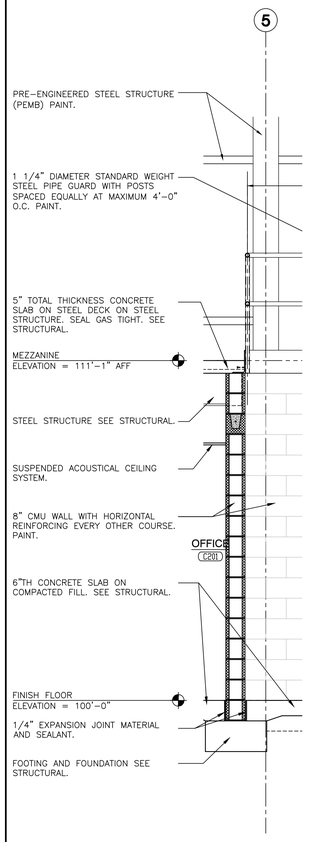
SHEET
A-407

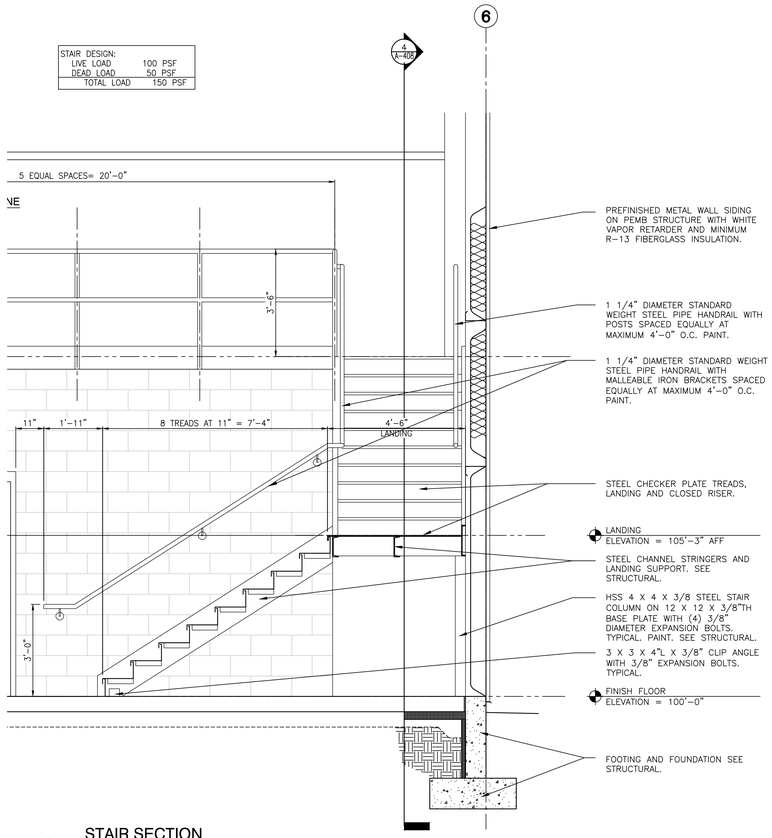


1 A-408 BUILDING C
MECHANICS BUILDING STAIR PLAN
SCALE: 1/2" = 1'-0"

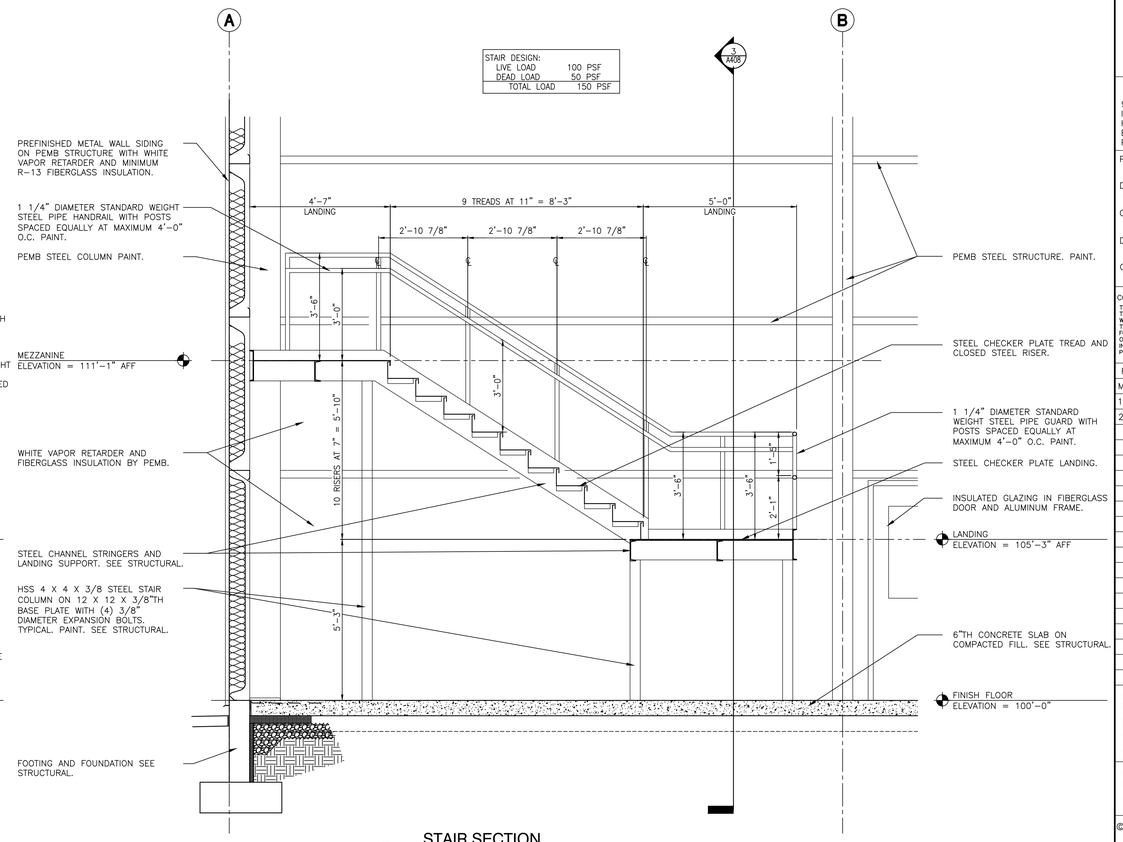


2 A-408 BUILDING C
MECHANICS BUILDING STAIR PLAN
SCALE: 1/2" = 1'-0"





3 A408 STAIR SECTION
MECHANICS BUILDING
SCALE: 1/2" = 1'-0"



4 A408 STAIR SECTION
MECHANICS BUILDING
SCALE: 1/2" = 1'-0"

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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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PROJECT 20-141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

MICHAEL L. ROSSLER REGISTERED ARCHITECT NO. AR11600005 STATE OF INDIANA

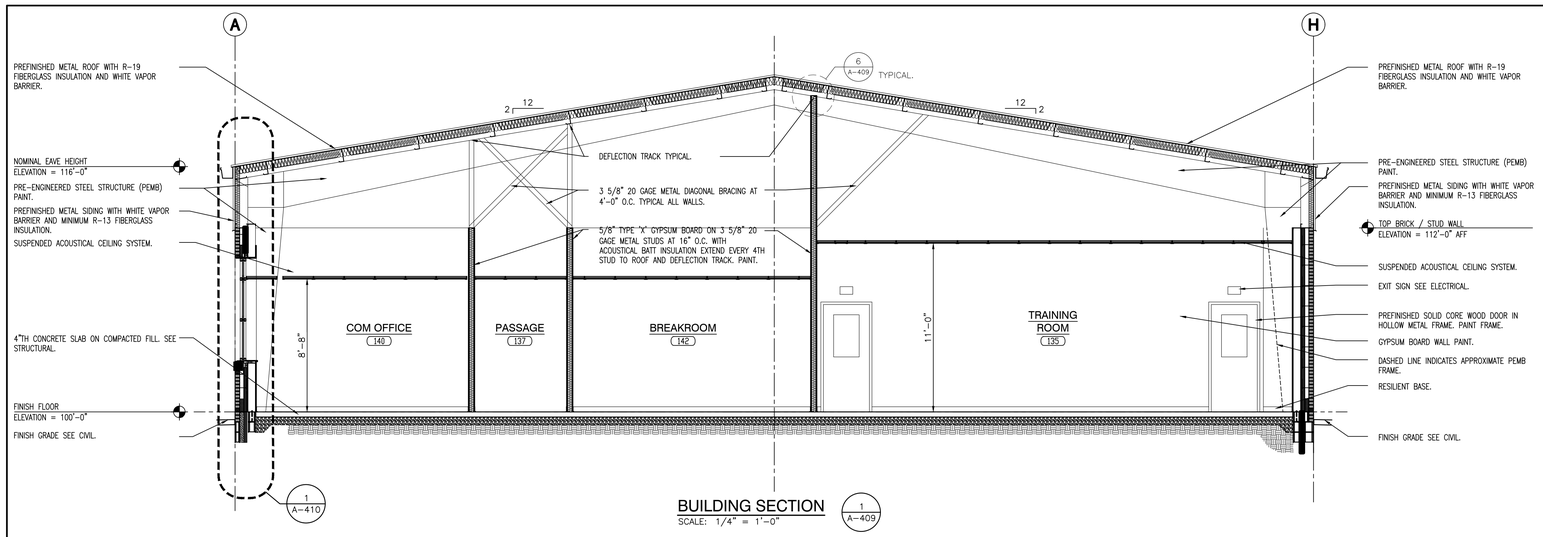
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

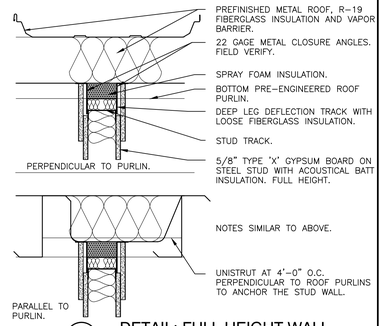
DRAWING
MEZZANINE PLAN & STAIR DETAILS
MECHANICS BUILDING
BUILDING C

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

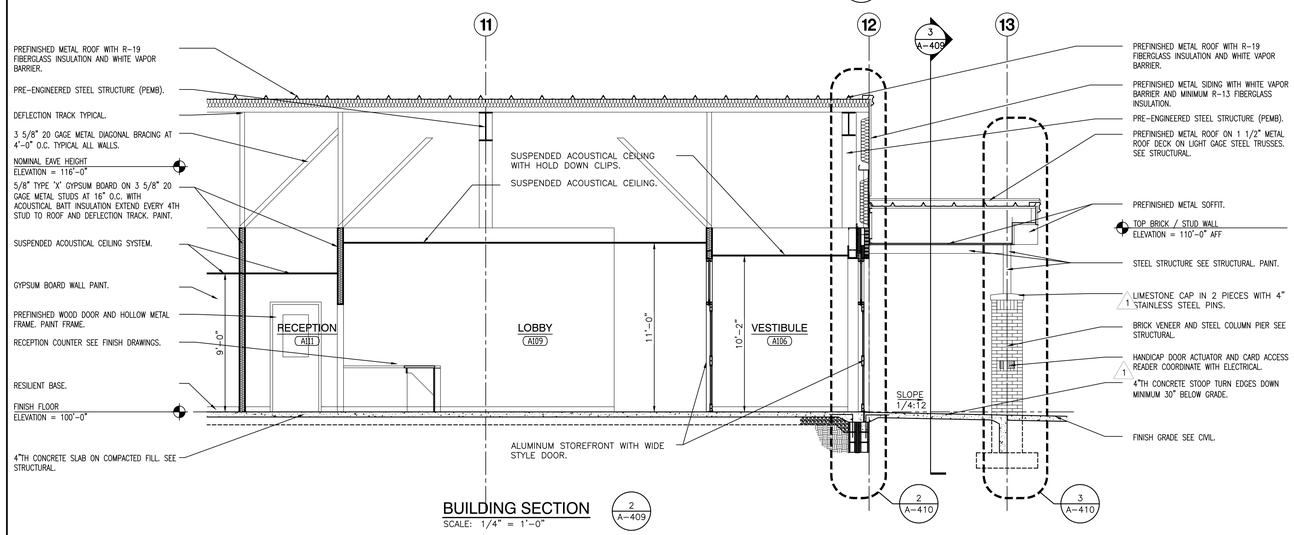
SHEET
A-408



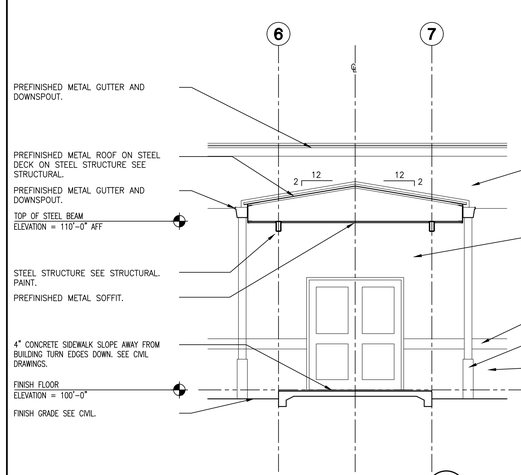
BUILDING SECTION
SCALE: 1/4" = 1'-0"
1 A-409



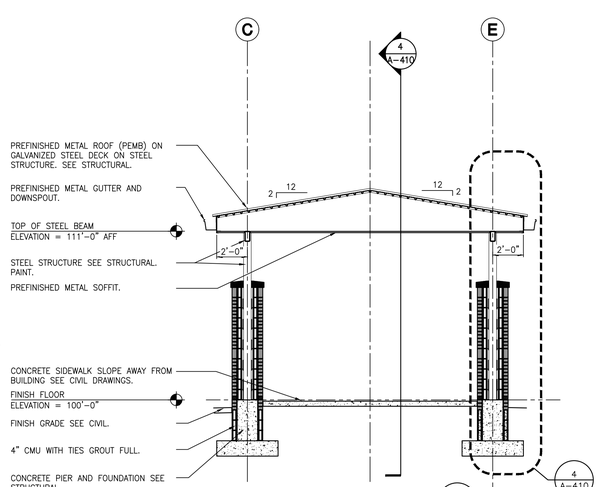
6 A-409
DETAIL: FULL HEIGHT WALL
SCALE: 1 1/2" = 1'-0"



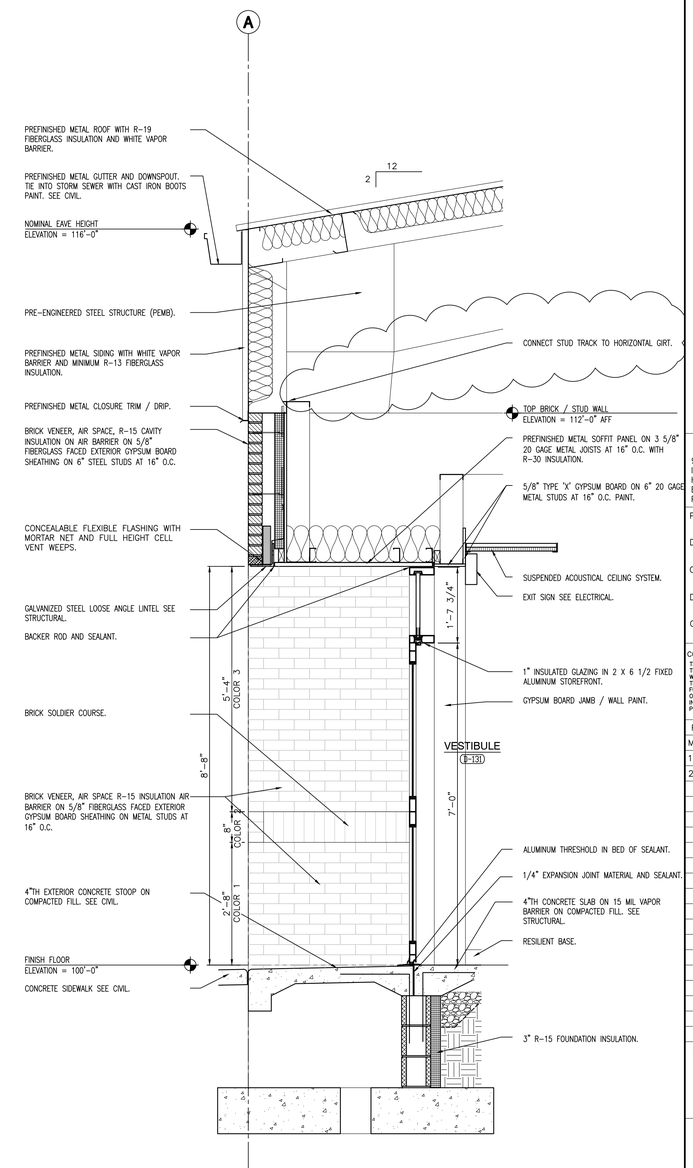
BUILDING SECTION
SCALE: 1/4" = 1'-0"
2 A-409



BUILDING SECTION
SCALE: 1/4" = 1'-0"
4 A-409



BUILDING SECTION
SCALE: 1/4" = 1'-0"
3 A-409



5 A-409
BUILDING SECTION
SCALE: 3/4" = 1'-0"

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BUILDING SECTIONS
RESOURCE CENTER
BUILDING D

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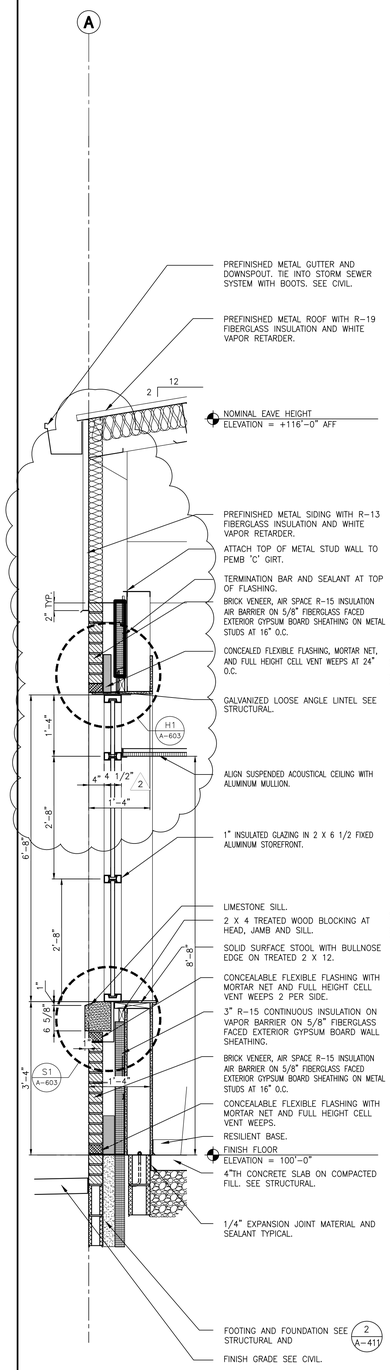
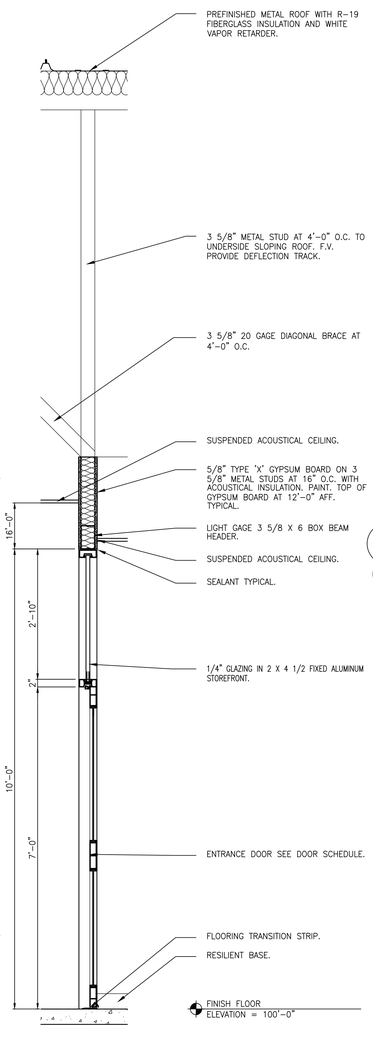
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

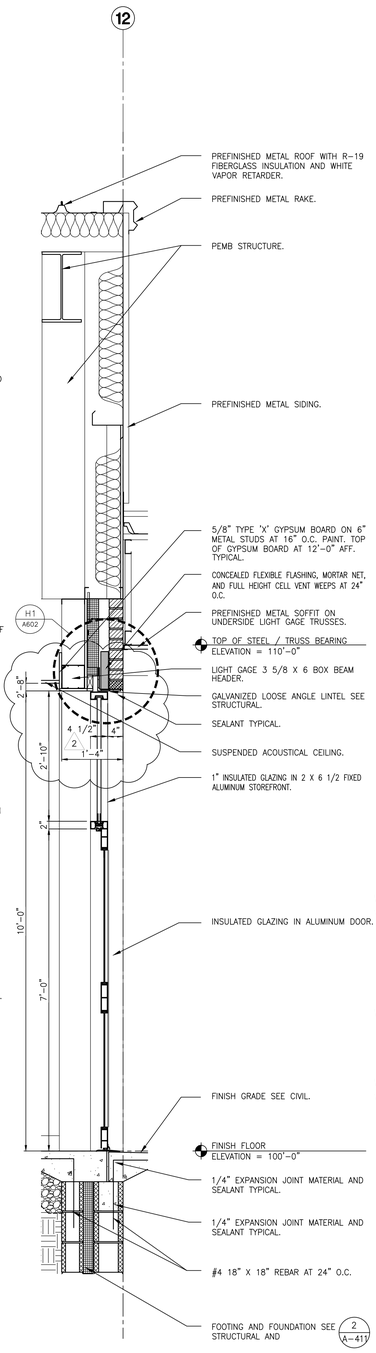
SHEET
A-409



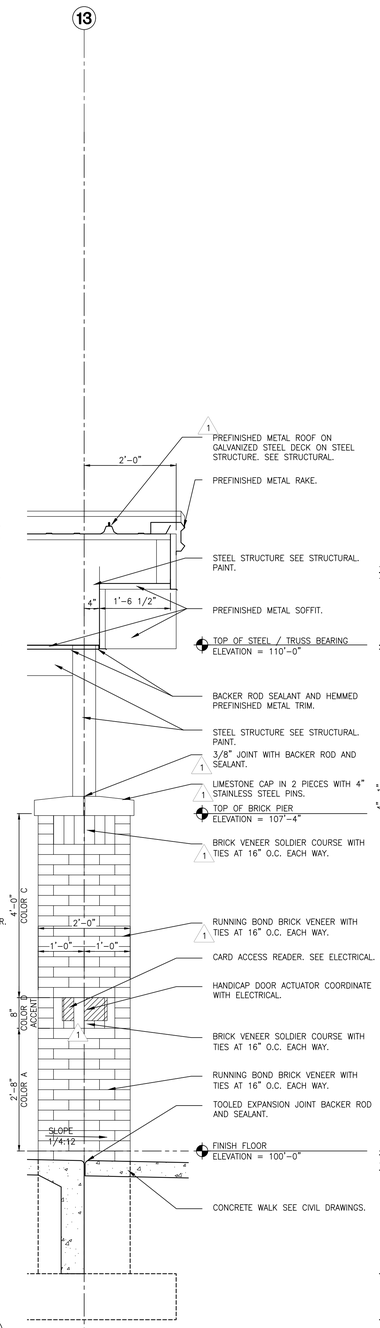
WALL SECTION 1 A-410
SCALE: 3/4" = 1' - 0"



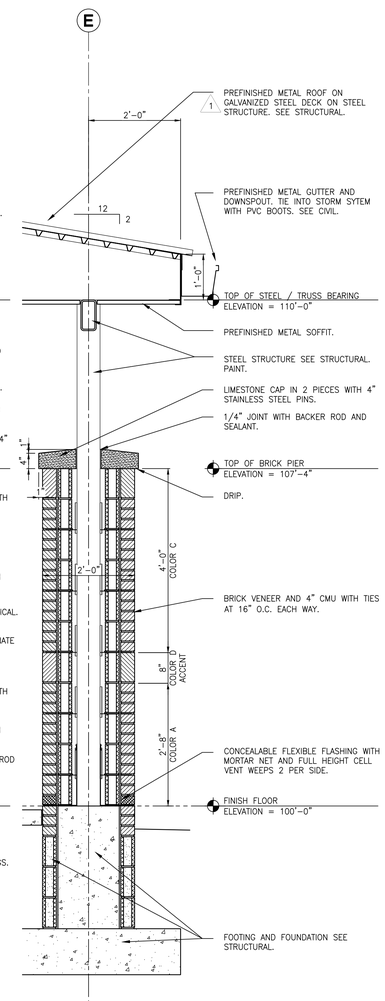
WALL SECTION 2 A-410
SCALE: 3/4" = 1' - 0"



WALL SECTION 3 A-410
SCALE: 3/4" = 1' - 0"



WALL SECTION 4 A-410
SCALE: 3/4" = 1' - 0"



WALL SECTION 5 A-410
SCALE: 3/4" = 1' - 0"

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20-141
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JKF, AB
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JPB

MICHAEL R. PETERSON
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WALL SECTIONS
RESOURCE CENTER
BUILDING D

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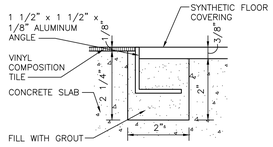
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

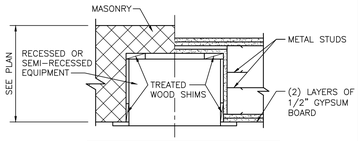
SHEET
A-410



VINYL COMPOSITION-SYNTHETIC JOINT

SCALE: 6" = 1'-0"

1 / A-501 / 2



NOTES:

SEE PLANS FOR WALL CONSTRUCTION

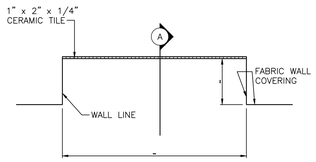
PROVIDE CONTINUOUS, RIGID SUPPORT AT TOP, BOTTOM, SIDES, AND BACK OF RECESSED EQUIPMENT.

CONTINUE WALL CONSTRUCTION TO COMPLETELY ENCLOSE RECESSED PORTION OF CABINET. CONTINUE RATED CONSTRUCTION AT RATED WALLS

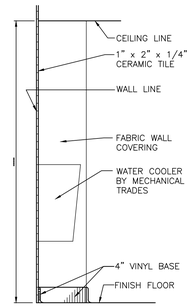
TYPICAL RECESSED EQUIPMENT

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

6 / A-501 / 2



PLAN

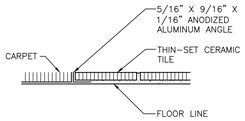


SECTION "A"

CERAMIC TILE/ WATER COOLER RECESS

SCALE: 3/4" = 1'-0"

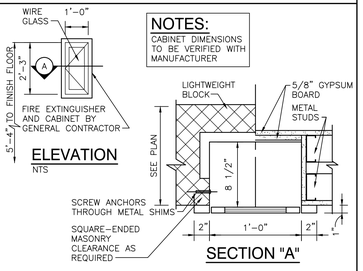
11 / A-501 / 2



THIN SET CERAMIC TILE-CARPET JOINT

SCALE: 6" = 1'-0"

2 / A-501 / 2



NOTES:

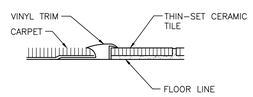
CABINET DIMENSIONS TO BE VERIFIED WITH MANUFACTURER

SECTION "A"

SEMI-RECESSED FIRE EXTINGUISHER CABINET

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

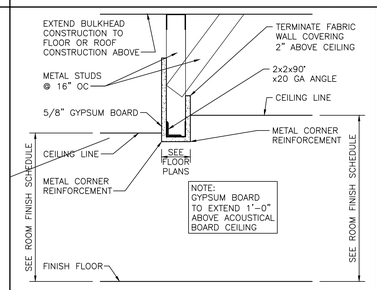
7 / A-501 / 2



THIN SET CERAMIC TILE-CARPET JOINT

SCALE: 6" = 1'-0"

3 / A-501 / 2

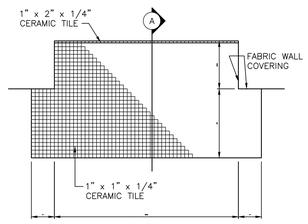


NOTE:
GYPSUM BOARD TO EXTEND 1'-0" ABOVE ACOUSTICAL BOARD CEILING

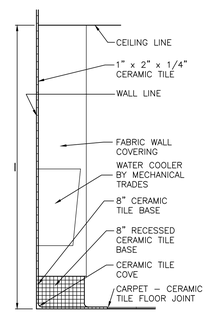
GYPSUM BOARD BULKHEAD

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

8 / A-501 / 2



PLAN

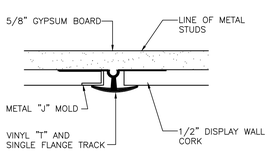


SECTION "A"

CERAMIC TILE/ WATER COOLER RECESS

SCALE: 3/4" = 1'-0"

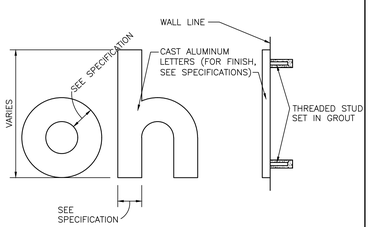
12 / A-501 / 2



TACKABLE WALL

SCALE: 6" = 1'-0"

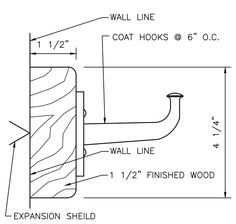
4 / A-501 / 2



ALUMINUM LETTERDETAIL

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

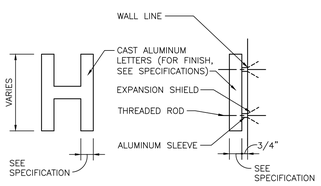
9 / A-501 / 2



WOOD PEG TOWEL RACK

SCALE: 6" = 1'-0"

5 / A-501 / 2



ALUMINUM LETTERDETAIL

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

10 / A-501 / 2

END CLOSURE DETAIL

END CLOSURE MK. H4220 (POLAR WHITE). APPLY TUBE CAULK (H3152) ALL AROUND AND INSERT INTO END OF BSB01 TRIM AT FRAMED OPENINGS, WALKDOORS, AND EXISTING BUILDINGS.

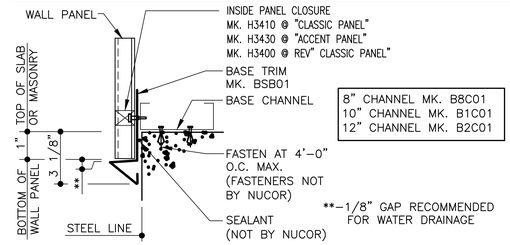
OUTSIDE CORNER TRIM

MK. H4200

INSIDE CORNER TRIM

MK. H4210

ERECTOR NOTE: UNTIL WALL PANELS ARE INSTALLED, (3) H1040 SCREWS ARE TO BE USED FOR TEMPORARY INSTALLTION OF THE BASE TRIM. PANEL SCREWS MUST ENGAGE THE BASE CHANNEL. FIELD NOTCHING MAY BE REQUIRED AT THE COLUMNS AND CORNERS.



BASE TRIM DETAIL

BASE TRIM WITH CHANNEL
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

GB0030

13 / A-501 / 2

SEE ERECTION MANUALS FOR FURTHER INSTALLATION INSTRUCTIONS

CFR ERECTION MANUAL QUICK REFERENCE:

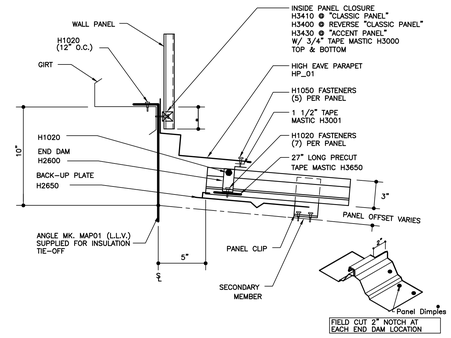
SECTION(S)	DESCRIPTION
12.5	CFR PANEL SEALANT
13.8–13.10	END DAM INSTALLMENT INSTRUCTIONS CHECK LIST: 2" FIELD NOTCH, HAND CRIMP, PIG TAIL, BACK-UP PLATE, SEALANTS, END DAM, & FILL ALL VOIDS WITH INSULATION
16.14–16.19	HIGH EAVE TRIM INSTALLMENT INSTRUCTIONS

WALL SHEETING ERECTION MANUAL QUICK REFERENCE:

SECTION(S)	DESCRIPTION
7	WALL FASTENER REQUIREMENTS

ERECTOR NOTES:
H1020 SCREWS & H2200 INSULATION WASHERS HAVE BEEN SUPPLIED AT 12" O.C. FOR INSULATION ATTACHMENT AT THE HIGH EAVE. FIELD NOTCH PANELS AS NEEDED TO ALLOW FOR PROPER END DAM FIT UP.

2" AT TALL CLIPS
3" AT SHORT CLIPS

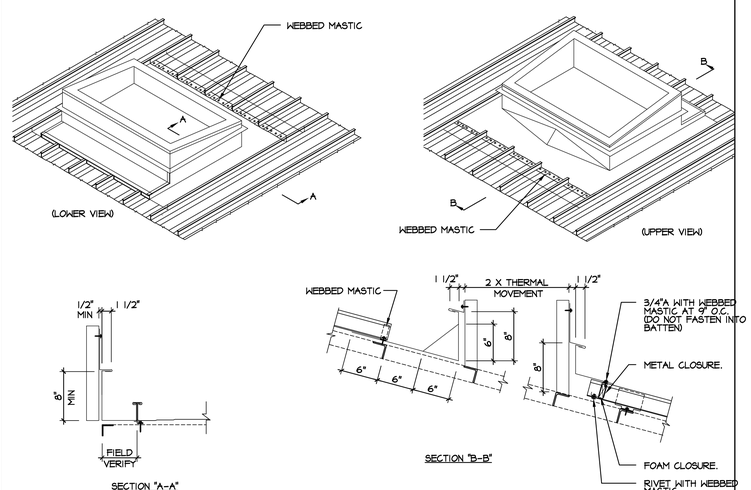


HIGH EAVE PARAPET DETAIL

"CFR" ROOF
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

FI6010

14 / A-501 / 2



DETAIL: ROOF CURB COVER

Scale: NONE

15 / A-501 / 2

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DRAWING
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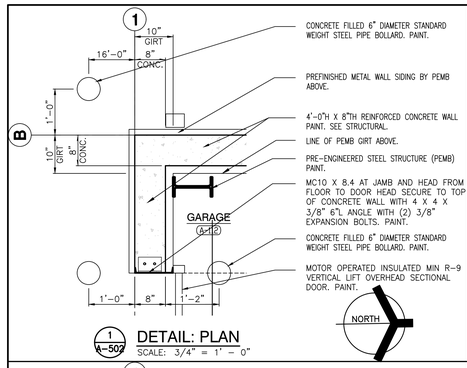
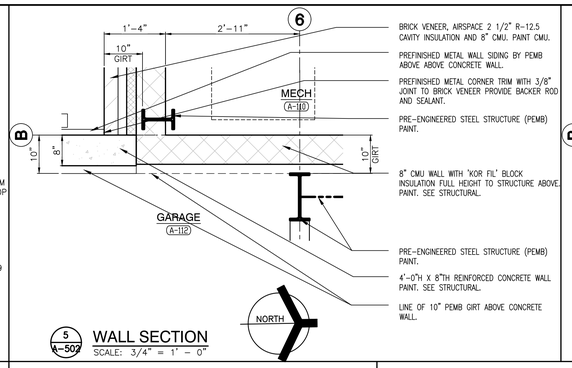
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

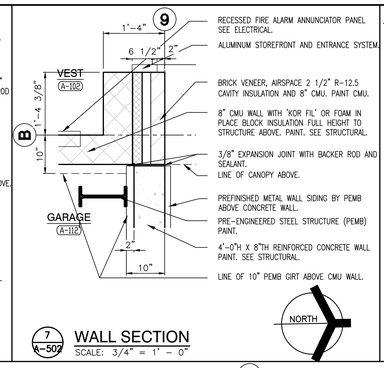
SHEET
A-501



1 A-502 DETAIL: PLAN
SCALE: 3/4" = 1' - 0"



5 A-502 WALL SECTION
SCALE: 3/4" = 1' - 0"



7 A-502 WALL SECTION
SCALE: 3/4" = 1' - 0"

GENERAL RESTROOM PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

A. FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G-301.

B. DEPTH OF ALL TOILET ENCLOSURES SHALL BE A MINIMUM OF 5'-0" CLEAR INSIDE DIMENSION UNLESS NOTED OTHERWISE.

C. REFER TO PLUMBING DRAWINGS FOR FIXTURE TYPES.

D. REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS.

E. COORDINATE HEIGHT OF GRAB BAR WITH TANK OF FLOOR MOUNTED WATER CLOSET OR FLUSH VALVE OF WALL MOUNTED WATER CLOSET.

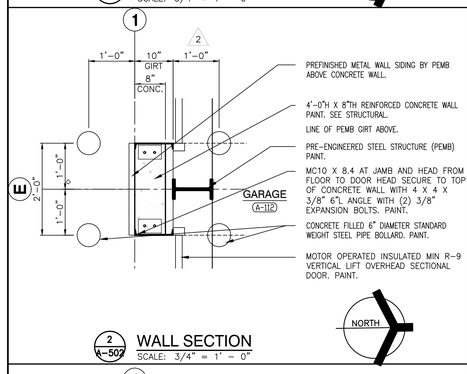
F. INSTALL LAVATORIES AND URINALS AT 2'-6" ON CENTER MINIMUM UNLESS NOTED OTHERWISE.

RESTROOM PLAN NOTES:

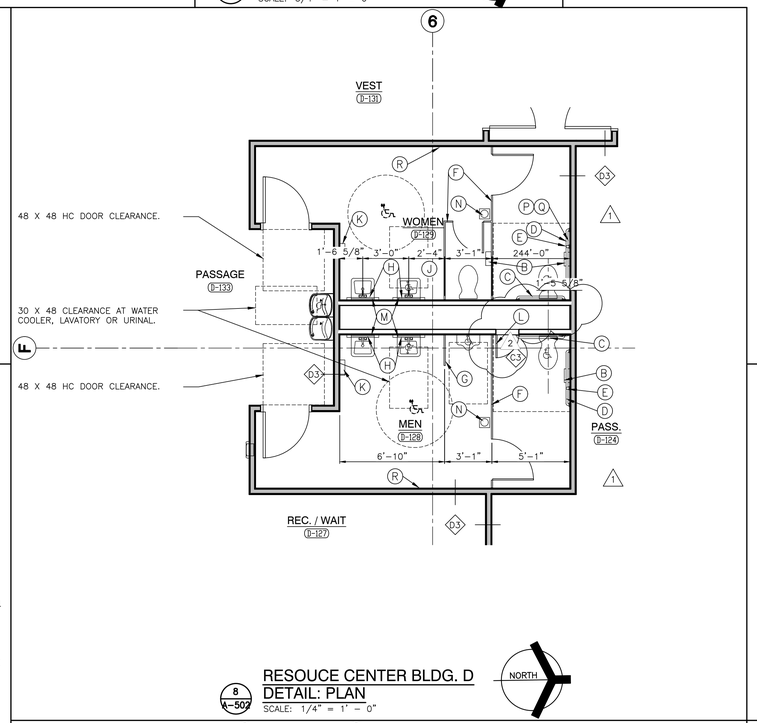
(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

(A) ACCESSIBLE FIXTURE. SEE PLUMBING.
(B) TOILET PAPER HOLDER. (OFCI)
(C) 3'-0" HANDICAPPED GRAB BAR.
(D) 3'-6" HANDICAPPED GRAB BAR.
(E) 18" VERTICAL HANDICAPPED GRAB BAR.
(F) TOILET PARTITION.
(G) URINAL SCREEN WALL.
(H) 2'-0" W x 3'-0" H MIRROR WITH BOTTOM OF REFLECTIVE SURFACE MOUNTED AT 40"A.F.F.
(J) ACCESSIBLE FIXTURE (LAVATORY/URINAL). SEE PLUMBING DRAWINGS.
(K) PAPER TOWEL DISPENSER. (OFCI)
(L) 24"x24" ACCESS PANEL. MOUNT TOP OF PANEL AT 5'-4" A.F.F. COORDINATE LOCATION WITH SENSOR HEIGHT.
(M) SOAP DISPENSER. (OFCI)
(N) FLOOR DRAIN. SEE PLUMBING DRAWINGS.
(P) FEMININE NAPKIN DISPOSAL.
(Q) FEMININE NAPKIN DISPENSER.
(R) 2'-0" x 5'-0" MIRROR BOTTOM AT 1'-4" A.F.F.
(S) MOP SINK. SEE PLUMBING.

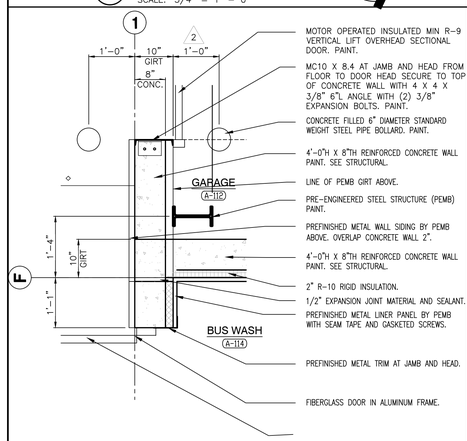
(W) BABY CHANGING TABLE.



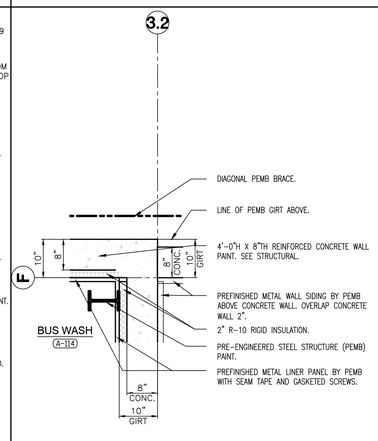
2 A-502 WALL SECTION
SCALE: 3/4" = 1' - 0"



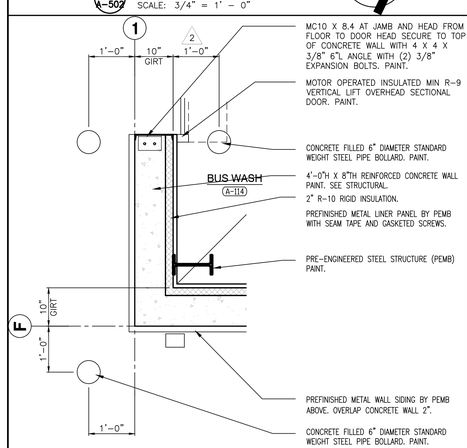
8 A-502 RESOUCE CENTER BLDG. D DETAIL: PLAN
SCALE: 1/4" = 1' - 0"



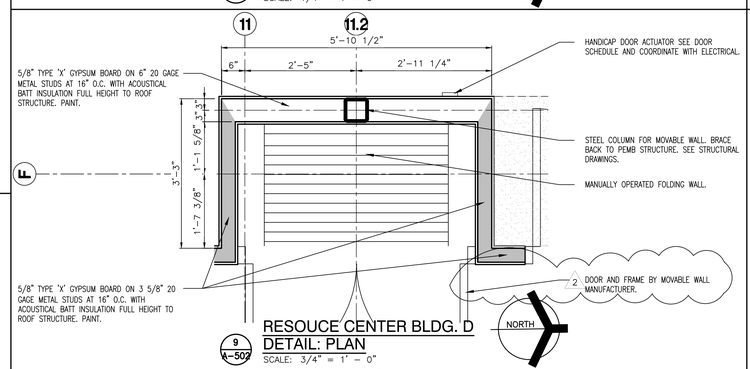
3 A-502 WALL SECTION
SCALE: 3/4" = 1' - 0"



6 A-502 WALL SECTION
SCALE: 3/4" = 1' - 0"



4 A-502 WALL SECTION
SCALE: 3/4" = 1' - 0"



9 A-502 RESOUCE CENTER BLDG. D DETAIL: PLAN
SCALE: 3/4" = 1' - 0"

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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9102 N. Meridian St., Ste. 300
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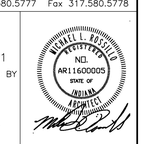
PROJECT
20-141
DATE
05/17/21
COORDINATED BY
CD
DRAWN BY
JKF, AB
CHECKED BY
JPB



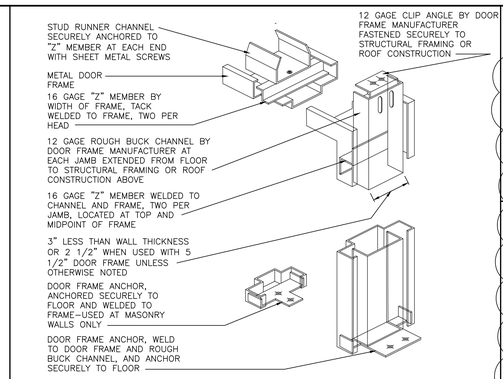
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
PLAN DETAILS
BUS GARAGE, RESOURCE CENTER
BUILDING A & D

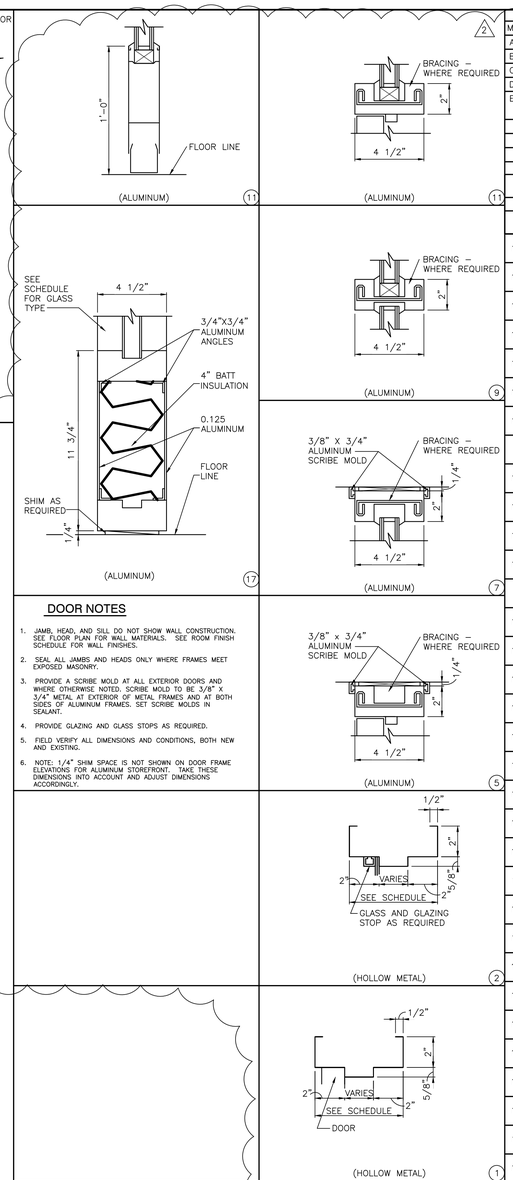
PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-502



TYPICAL HEAD & JAMB ANCHORAGE

SCALE: NTS

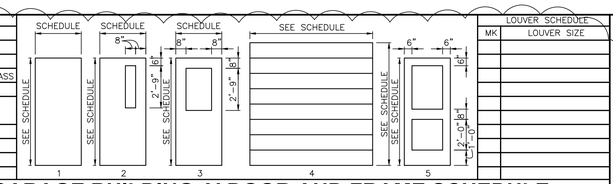


FRAME PROFILES

DOOR NOTES

1. JAMB, HEAD, AND SILL DO NOT SHOW WALL CONSTRUCTION. SEE FLOOR PLAN FOR WALL MATERIALS. SEE ROOM FINISH SCHEDULE FOR WALL FINISHES.
2. SEAL ALL JAMBS AND HEADS ONLY WHERE FRAMES MEET EXPOSED MASONRY.
3. PROVIDE A SCRIBE MOLD AT ALL EXTERIOR DOORS AND WHERE OTHERWISE NOTED. SCRIBE MOLD TO BE 3/8" X 3/4" METAL AT EXTERIOR OF METAL FRAMES AND AT BOTH SIDES OF ALUMINUM FRAMES. SET SCRIBE MOLDS IN SEALANT.
4. PROVIDE GLAZING AND GLASS STOPS AS REQUIRED.
5. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS, BOTH NEW AND EXISTING.
6. NOTE: 1/4" SHIM SPACE IS NOT SHOWN ON DOOR FRAME ELEVATIONS FOR ALUMINUM STOREFRONT. TAKE THESE DIMENSIONS INTO ACCOUNT AND ADJUST DIMENSIONS ACCORDINGLY.

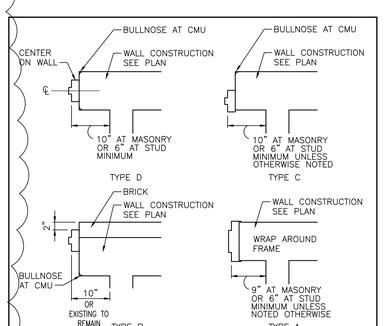
MK	GLASS TYPES
A	1/4" CLEAR TEMPERED
B	1" INSUL. GLASS
C	1" INSUL. SPANDREL GLASS
D	1/4" FIRE RATED
E	3/8" LAMINATED SAFETY GLASS



MK	LOUVER SIZE

'BUS GARAGE BUILDING A' DOOR AND FRAME SCHEDULE

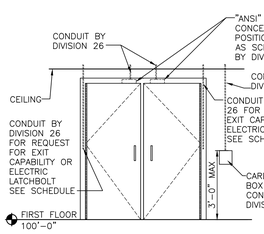
DOOR NO.	DESCRIPTION	TYPE	DOOR SIZE (WxH) (INCHES)	MATERIAL	LOU	GLASS DOOR	GLASS SIDE LGT	GLASS TRA	FRAME MAT'L	FRAME WIDTH	FRAME JAMB	FRAME HEAD	FRAME SILL	FRAME ELEV	LABEL	HARDWARE EXIT DEVICE	HARDWARE CLOSER	NOTES
102–A	SINGLE	5	36 x 86	ALUM	–	B	B	–	ALUM	4 1/2"	5	5	–	3	–	YES	YES	3,4,10,11
102–B	SINGLE	5	36 x 86	ALUM	–	A	A	–	ALUM	4 1/2"	5	5	–	3	–	YES	YES	–
102–C	BORROWED LIGHT	–	48 x 48	–	–	A	–	–	HM	7 5/8"	2	2	2	4	–	–	–	–
102–D	BORROWED LIGHT	–	48 x 48	–	–	A	–	–	HM	7 5/8"	2	2	2	4	–	–	–	–
103–A	SINGLE	2	36 x 86	WD	–	A	–	–	HM	8 3/4"	1	1	–	2	–	–	–	–
104–A	SINGLE	2	36 x 86	WD	–	A	–	–	HM	8 3/4"	1	1	–	2	–	–	–	–
105–A	SINGLE	3	36 x 86	FRP	–	B	–	–	ALUM	4 1/2"	5	5	–	1	–	–	YES	3,4
107–A	SINGLE	1	36 x 86	WD	–	–	–	–	HM	8 3/4"	1	1	–	1	–	–	YES	–
108–A	SINGLE	1	36 x 86	WD	–	–	–	–	HM	8 3/4"	1	1	–	1	–	–	–	–
109–A	SINGLE	1	36 x 86	WD	–	–	–	–	HM	8 3/4"	1	1	–	1	–	–	YES	–
110–A	SINGLE	1	36 x 86	WD	–	–	–	–	HM	8 3/4"	1	1	–	1	–	–	YES	–
111–A	SINGLE	1	36 x 86	FRP	–	–	–	–	ALUM	4 1/2"	5	5	–	2	–	YES	YES	3,4,10,11
112–A	SINGLE	2	36 x 86	FG	–	B	–	–	ALUM	4 1/2"	5	5	–	2	–	YES	YES	3,4,10,11
112–B	SINGLE	2	36 x 86	FG	–	B	–	–	ALUM	4 1/2"	5	5	–	2	–	YES	YES	3,4,10,11
112–C	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–D	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–E	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–F	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–G	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–H	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–J	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–K	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–L	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–M	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–N	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–P	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–Q	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–R	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–S	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
112–T	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
113–A	DOUBLE	1	72 x 86	FRP	–	–	–	–	ALUM	4 1/2"	5	5	–	2	–	–	–	3,4
114–A	SINGLE	2	36 x 86	FRP	–	B	–	–	ALUM	4 1/2"	5	5	–	2	–	–	YES	3,4,10,11
114–B	OVERHEAD SECTIONAL	4	144 x 144	ALUM	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
114–C	OVERHEAD SECTIONAL	4	144 x 144	ALUM	–	–	–	–	STEEL	–	2 A502	2 A403	–	–	–	–	–	1
114–D	SINGLE	2	36 x 86	FRP	–	B	–	–	ALUM	4 1/2"	5	5	–	2	–	–	–	3,4



FRAME MOUNTING DETAILS

SCALE: NTS

2 A–601



ELECRTICAL ROUGH-IN AT DOOR FRAMES

SCALE: NTS

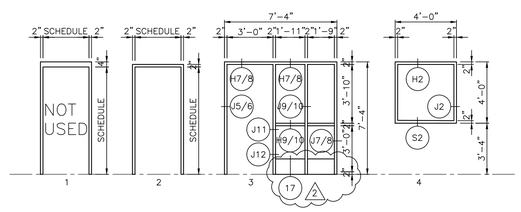
1 A–601

GENERAL DOOR NOTES

A. JAMB, HEAD, AND SILL DO NOT SHOW WALL CONSTRUCTION. SEE FLOOR PLAN FOR WALL MATERIALS. REFER TO A800 SERIES DRAWINGS FOR WALL FINISHES.
B. SEAL ALL JAMBS AND HEADS WHERE FRAMES MEET EXPOSED MASONRY AND/OR GYPSUM BOARD.
C. PROVIDE A SCRIBE MOLD AT ALL EXTERIOR DOOR FRAMES AND WHERE NOTED ON DRAWINGS. SCRIBE MOLD TO BE 3/4" X 3/4" METAL AT EXTERIOR OF METAL FRAMES AND AT BOTH SIDES OF ALUMINUM FRAMES. SET SCRIBE MOLDS IN SEALANT.
D. PROVIDE GLAZING AND GLASS STOPS AS REQUIRED.
E. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS, BOTH NEW AND EXISTING.
F. SHIM SPACE IS NOT SHOWN ON DOOR FRAME ELEVATIONS FOR ALUMINUM STOREFRONT. TAKE THESE DIMENSIONS INTO ACCOUNT AND ADJUST DIMENSIONS ACCORDINGLY.
G. FOR DOOR POSITION WITHIN WALL REFER TO FRAME MOUNTING DETAIL 2–A601.
H. FOR ELECTRICAL ROUGH–IN AT DOORS REFER TO DETAIL 1–A601.
I. FOR HOLLOW METAL FRAME ELEVATIONS (HM) REFER TO A601. FOR HOLLOW METAL (HM) FRAME PROFILES REFER TO A601.
J. FOR ALUMINUM STOREFRONT ELEVATIONS (SF) REFER TO A601. FOR STOREFRONT (SF) FRAME PROFILES REFER TO A601.
K. GLASS NOTED IN SIDELIGHT COLUMN FOR STOREFRONT WITH NO DOOR APPLIES TO ALL OPENINGS IN FRAME UNLESS NOTED OTHERWISE.
L. REFER TO FLOOR PLANS FOR LOCATIONS OF NEW AND EXISTING ADA PUSH PADS FOR POWER ASSISTED OPERATORS.

DOOR SCHEDULE NOTES (REMARKS):

1. INSULATED OVERHEAD COILING DOOR. MOTOR OPERATED.
2. FIELD VERIFY WALL THICKNESSES AND OPENING DIMENTSIONS FOR DOORS AND FRAMES PRIOR TO STARTING CONSTRUCTION.
3. INSULATED DOOR.
4. PROVIDE ALUMINUM THRESHOLD SET IN FULL BED OF MASTIC.
5. KEYED REMOVABLE MULLION.
6. WALL MOUNTED ELECTROMAGNETIC DOOR HOLDER(S) BY DIVISION 26, DOOR MOUNTED ARMATURE SHALL BE INSTALLED BY HARDWARE INSTALLER.
7. PROVIDE HOLD OPEN ON EACH DOOR.
8. (NOT USED)
9. PROVIDE DOOR RELEASE ON AI PHONE LOCATED AT RECEPTION DESK.
10. PANIC DEVICE TO HAVE ELECTRIC LATCH BOLT. PREPARE FRAME FOR ELECTRIFIED HINGE.
11. DOOR TO BE CONTROLLED BY CARD READER/FOB. REFER TO ELECTRICAL DRAWINGS FOR ROUGH IN.
12. PROVIDE POWER ASSISTED OPERATOR ON ONE LEAF OF DOUBLE DOORS.



FRAME TYPE ELEVATIONS

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

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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PROJECT 20–141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

MICHAEL L. ROSSELLI REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

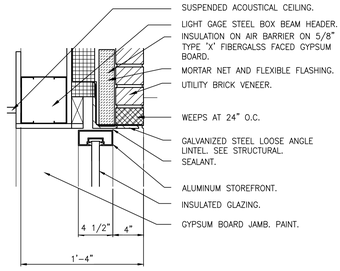
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
DOOR SCHEDULE, FRAME PROFILES, ELEVATIONS, AND DETAILS

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

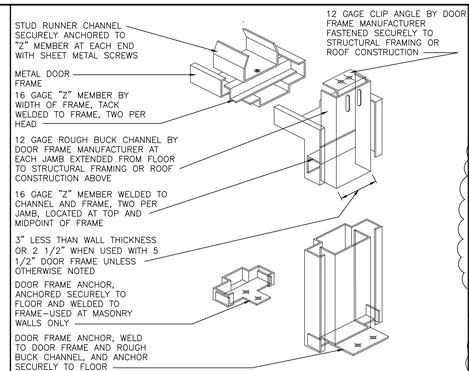
SHEET
A-601



DETAIL: HEAD

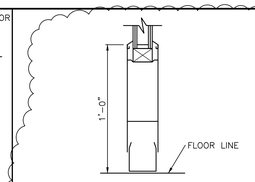
SCALE: 1 1/2" = 1' - 0"

H1 / A-602

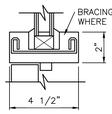


TYPICAL HEAD & JAMB ANCHORAGE

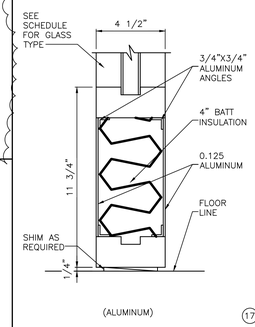
SCALE: NTS



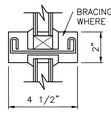
(ALUMINUM) 11



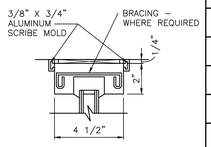
(ALUMINUM) 11



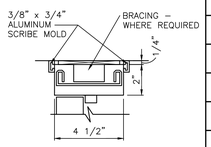
(ALUMINUM) 17



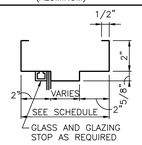
(ALUMINUM) 9



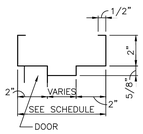
(ALUMINUM) 7



(ALUMINUM) 5



(HOLLOW METAL) 2



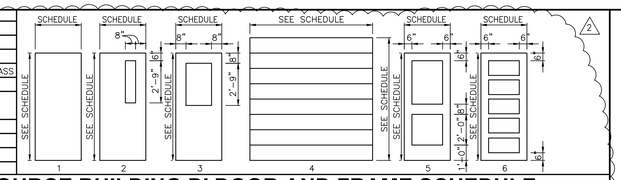
(HOLLOW METAL) 1

FRAME PROFILES

DOOR NOTES

1. JAMB, HEAD, AND SILL DO NOT SHOW WALL CONSTRUCTION. SEE FLOOR PLAN FOR WALL MATERIALS. SEE ROOM FINISH SCHEDULE FOR WALL FINISHES.
2. SEAL ALL JAMBS AND HEADS ONLY WHERE FRAMES MEET EXPOSED MASONRY.
3. PROVIDE A SCRIBE MOLD AT ALL EXTERIOR DOORS AND WHERE OTHERWISE NOTED. SCRIBE MOLD TO BE 3/8" X 3/4" METAL AT EXTERIOR OF METAL FRAMES AND AT BOTH SIDES OF ALUMINUM FRAMES. SET SCRIBE MOLDES IN SEALANT.
4. PROVIDE GLAZING AND GLASS STOPS AS REQUIRED.
5. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS, BOTH NEW AND EXISTING.
6. NOTE: 1/4" SHIM SPACE IS NOT SHOWN ON DOOR FRAME ELEVATIONS FOR ALUMINUM STOREFRONT. TAKE THESE DIMENSIONS INTO ACCOUNT AND ADJUST DIMENSIONS ACCORDINGLY.

GLASS SCHEDULE	
MK	GLASS TYPES
A	1/4" CLEAR TEMPERED
B	1" INSUL. GLASS
C	1" INSUL. SPANDREL GLASS
D	1/4" FIRE RATED
E	3/8" LAMINATED SAFETY GLASS



'RESOURCE BUILDING D' DOOR AND FRAME SCHEDULE

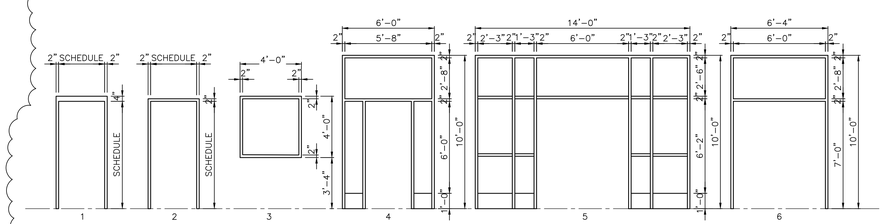
DOOR					GLASS				FRAME						LABEL	HARDWARE		NOTES
NO.	DESCRIPTION	TYPE	DOOR SIZE (WxH) (INCHES)	MATERIAL	LOU	DOOR	SIDE LGT	TRA	MAT'L	WIDTH	JAMB	HEAD	SILL	ELEV		EXIT DEVICE	CLOSER	
101-A	SINGLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
102-A	SINGLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
104-A	SINGLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
105-A	BI-FOLD	1	72 x 84	WD	–	–	–	–	HM	5 7/8"	3	3	–	2	–	–	–	–
106-A	DOUBLE	5	72 x 84	ALUM	–	B	B	B	ALUM	4 1/2"	5	5	–	5	–	YES	YES	3,4,5,10 11,12
106-B	DOUBLE	5	72 x 84	ALUM	–	A	A	A	ALUM	4 1/2"	5	5	–	5	–	YES	YES	3,5,7,12
107-A	BI-FOLD	1	72 x 84	WD	–	–	–	–	HM	5 7/8"	3	3	–	2	–	–	–	–
108-A	DOUBLE	6	72 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	YES	–	–
108-B	SINGLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	YES	–	–
108-C	SINGLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	YES	–	–
109-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	YES	–	–
109-B	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	YES	–	–
110-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
112-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
113-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
116-A	SINGLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
118-A	SINGLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
118-B	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
120-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
120-B	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
121-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
122-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
123-A	SINGLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
125-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
126-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
127-A	BI-FOLD	1	72 x 84	WD	–	–	–	–	HM	5 7/8"	3	3	–	2	–	–	–	–
128-A	SINGLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	–	YES	–
129-A	SINGLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	–	YES	–
130-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
131-A	SINGLE	5	36 x 86	ALUM	–	B	B	B	ALUM	4 1/2"	5	5	–	2	–	YES	YES	3,4,10,11
131-B	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	YES	YES	–
131-C	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	YES	YES	–
132-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
134-A	DOUBLE	5	72 x 86	ALUM	–	B	–	B	ALUM	4 1/2"	5	5	–	6	–	YES	YES	3,4,5,10 11
134-B	DOUBLE	5	72 x 86	ALUM	–	A	–	A	ALUM	4 1/2"	5	5	–	6	–	YES	YES	5
135-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	YES	–	–
135-B	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	YES	–	–
136-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
138-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
139-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
140-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
141-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
142-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
142-B	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
143-A	SINGLE	2	36 x 84	WD	–	A	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
144-A	SINGLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
145-A	DOUBLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
146-A	SINGLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
147-A	DOUBLE	5	72 x 86	ALUM	–	B	–	B	ALUM	4 1/2"	5	5	–	6	–	YES	YES	3,4,5,10 11
147-B	DOUBLE	5	72 x 86	ALUM	–	A	–	A	ALUM	4 1/2"	5	5	–	6	–	YES	YES	5
149-A	DOUBLE	1	72 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
150-A	SINGLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
151-A	SINGLE	1	36 x 84	WD	–	–	–	–	HM	5 7/8"	4	4	–	2	–	–	–	–
152-A	SINGLE	1	36 x 86	FRP	–	–	–	–	ALUM	4 1/2"	–	–	–	2	–	–	YES	3,4,10,11
152-B	OVERHEAD SECTIONAL	4	96 x 96	STEEL	–	–	–	–	–	–	–	–	–	–	–	–	–	–

GENERAL DOOR NOTES

A. JAMB, HEAD, AND SILL DO NOT SHOW WALL CONSTRUCTION. SEE FLOOR PLAN FOR WALL MATERIALS. REFER TO A800 SERIES DRAWINGS FOR WALL FINISHES.
B. SEAL ALL JAMBS AND HEADS WHERE FRAMES MEET EXPOSED MASONRY AND/OR GYPSUM BOARD.
C. PROVIDE A SCRIBE MOLD AT ALL EXTERIOR DOOR FRAMES AND WHERE NOTED ON DRAWINGS. SCRIBE MOLD TO BE 3/4" X 3/4" METAL AT EXTERIOR OF METAL FRAMES AND AT BOTH SIDES OF ALUMINUM FRAMES. SET SCRIBE MOLDS IN SEALANT.
D. PROVIDE GLAZING AND GLASS STOPS AS REQUIRED.
E. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS, BOTH NEW AND EXISTING.
F. SHIM SPACE IS NOT SHOWN ON DOOR FRAME ELEVATIONS FOR ALUMINUM STOREFRONT. TAKE THESE DIMENSIONS INTO ACCOUNT AND ADJUST DIMENSIONS ACCORDINGLY.
G. FOR DOOR POSITION WITHIN WALL REFER TO FRAME MOUNTING DETAIL 2-A602.
H. FOR ELECTRICAL ROUGH-IN AT DOORS REFER TO DETAIL 1-A602.
I. FOR HOLLOW METAL FRAME ELEVATIONS (HM) REFER TO A602. FOR HOLLOW METAL (HM) FRAME PROFILES REFER TO A602.
J. FOR ALUMINUM STOREFRONT ELEVATIONS (SF) REFER TO A602. FOR STOREFRONT (SF) FRAME PROFILES REFER TO A602.
K. GLASS NOTED IN SIDELIGHT COLUMN FOR STOREFRONT WITH NO DOOR APPLIES TO ALL OPENINGS IN FRAME UNLESS NOTED OTHERWISE.
L. REFER TO FLOOR PLANS FOR LOCATIONS OF NEW AND EXISTING ADA PUSH PADS FOR POWER ASSISTED OPERATORS.

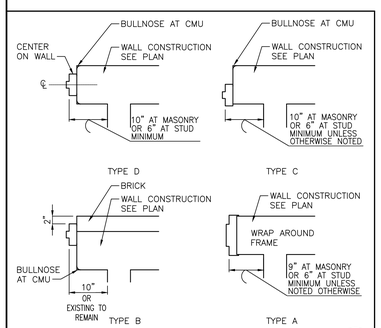
DOOR SCHEDULE NOTES (REMARKS):

1. INSULATED OVERHEAD COILING DOOR. MOTOR OPERATED.
2. FIELD VERIFY WALL THICKNESSES AND OPENING DIMENTSIONS FOR DOORS AND FRAMES PRIOR TO STARTING CONSTRUCTION.
3. INSULATED DOOR.
4. PROVIDE ALUMINUM THRESHOLD SET IN FULL BED OF MASTIC.
5. KEYED REMOVABLE MULLION.
6. WALL MOUNTED ELECTROMAGNETIC DOOR HOLDER(S) BY DIVISION 26, DOOR MOUNTED ARMATURE SHALL BE INSTALLED BY HARDWARE INSTALLER.
7. PROVIDE HOLD OPEN ON EACH DOOR.
8. (NOT USED)
9. PROVIDE DOOR RELEASE ON AI PHONE LOCATED AT RECEPTION DESK.
10. PANIC DEVICE TO HAVE ELECTRIC LATCH BOLT. PREPARE FRAME FOR ELECTRIFIED HINGE.
11. DOOR TO BE CONTROLLED BY CARD READER/FOB. REFER TO ELECTRICAL DRAWINGS FOR ROUGH IN.
12. PROVIDE POWER ASSISTED OPERATOR ON ONE LEAF OF DOUBLE DOORS.



FRAME TYPE ELEVATIONS

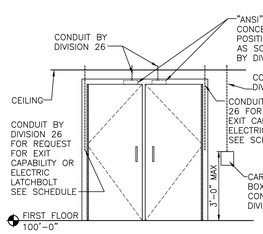
SCALE: 1/4" = 1'-0"



FRAME MOUNTING DETAILS

SCALE: NTS

2 / A-602



ELECRTICAL ROUGH-IN AT DOOR FRAMES

SCALE: NTS

1 / A-602

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PROJECT
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HANOVER COMMUNITY SCHOOL CORPORATION
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PROJECT 20-141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

MICHAEL L. ROSSITER REGISTERED NO. AR11600005 STATE OF INDIANA

REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
DOOR SCHEDULE, FRAME PROFILES, ELEVATIONS, AND DETAILS

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

GIBRALTAR DESIGN

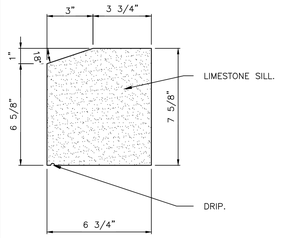
SHEET
A-602

ADMINISTRATION BUILDING 'D' WINDOW SCHEDULE

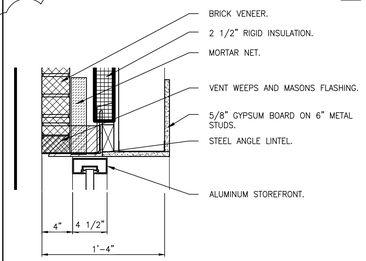
TYPE MARK	SIZE	MATERIAL	TYPE	GLAZING	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	U VALUE	REMARKS
W1/W2	4'-0"W X 6'-8"H	ALUM	FIXED/ OPERABLE	1" INSULATED GLASS	H1	J1	S1	.27	–
W3/W4	4'-0"W X 6'-8"H	ALUM	FIXED/ OPERABLE	1" INSULATED GLASS	H1	J1	S1	.27	–
W5	10'-8"W X 6'-8"H	ALUM	FIXED	1" INSULATED GLASS	H1	J1	S1	.27	–

NOTES - ALUMINUM WINDOWS (W)

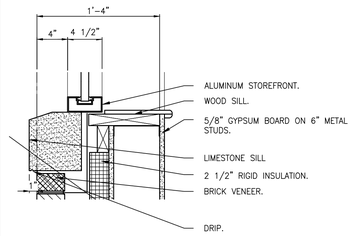
1. PROVIDE SHIM SPACE, BACKER ROD AND SEALANT AROUND PERIMETER OF ALL WINDOW FRAMING WHERE FRAMING ABUTES DISIMULAR MATERIALS.
2. PROVIDE FOAM INSULATION IN SHIM SPACE AROUND PERIMETER OF ALL EXTERIOR WINDOW FRAMING.
3. DIMENSIONS SHOWN ARE NOMINAL. FIELD VERIFY ALL DIMENSIONS SHOWN PRIOR TO FABRICATION AND INSTALLATION.
4. ALL FRAMES IN EXTERIOR WALLS SHALL BE THERMALLY BROKEN WITH 1" INSULATED GLAZING.
5. ALL GLAZING SHALL CONFORM TO STATE AND LOCAL CODES.



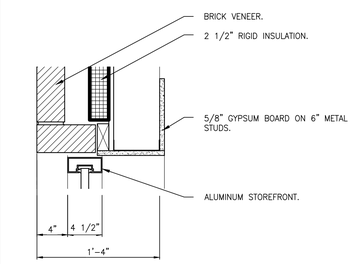
1 A-603 DETAIL: LIMESTONE SILL
SCALE: 1 1/2" = 1'-0"



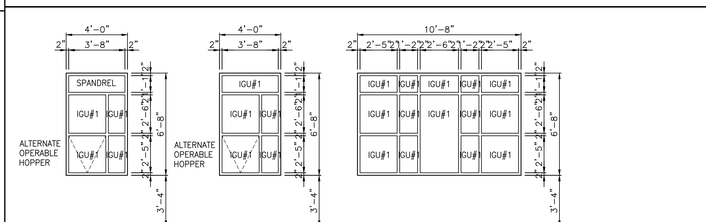
DETAIL: HEAD H1 A-603
SCALE: 1 1/2" = 1' - 0"



DETAIL: SILL S1 A-603
SCALE: 1 1/2" = 1' - 0"



DETAIL: SILL J1 A-603
SCALE: 1 1/2" = 1' - 0"



FRAME TYPE ELEVATIONS
SCALE: 1/4" = 1'-0"

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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
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PROJECT 20-141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

MICHAEL L. RESSLER REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

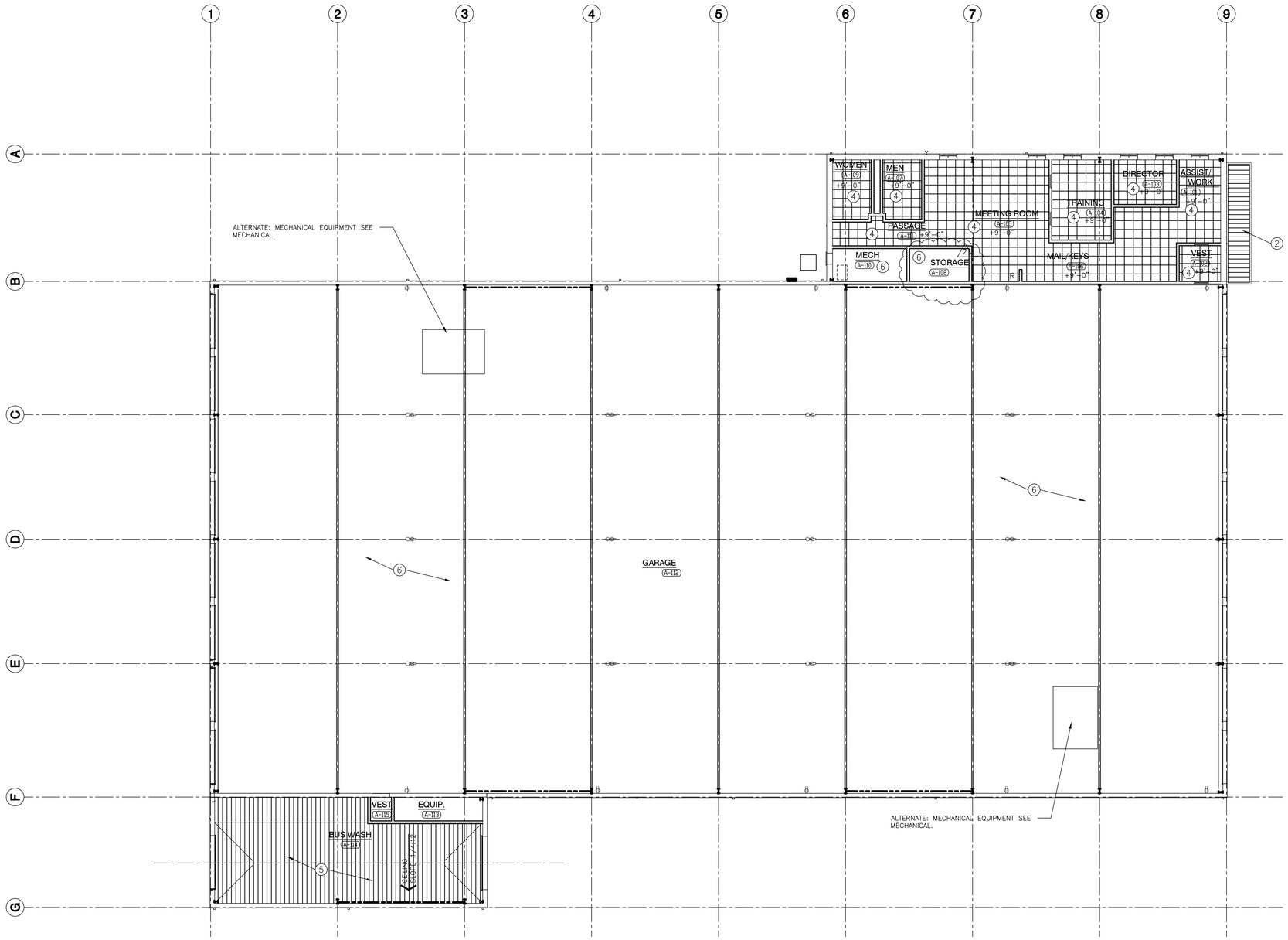
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
DOOR SCHEDULE, FRAME PROFILES, ELEVATIONS, AND DETAILS

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-603



FIRST FLOOR REFLECTED CEILING PLAN - BUILDING A

SCALE: 3/32" = 1'-0"

NORTH

GENERAL REFLECTED CEILING PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI SERIES SHEETS.

B. THE ARCHITECTURAL REFLECTED CEILING PLAN GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.

C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.

D. REFER TO FLOOR PLANS FOR WALL TYPES

E. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.

F. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.

G. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.

REFLECTED CEILING PLAN LEGEND:

- GYPSUM BOARD BULKHEAD/CEILING
- 2'-0" x 2'-0" ACST. BD. CEILING — SEE ROOM FINISH SCHEDULE
- PREFINISHED METAL CEILING — SEE ROOM FINISH SCHEDULE
- LED LIGHT
- EXIT LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE
- (S) CEILING SPEAKER
- (OS) OCCUPANCY SENSOR

REFLECTED CEILING PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. GYPSUM BOARD BULKHEAD BOTTOM AT 8'-0" AFF.
2. PREFINISHED METAL SOFFIT PANELS.
3. CMU LINTEL. PAINT.
4. SUSPENDED ACOUSTICAL CEILING SYSTEM.
5. PREFINISHED METAL CEILING PANELS WITH GASKETED FASTENERS AND CONTINUOUS SEAM TAPE. APPLY SEALANT AT WALL TO CEILING JOINTS FOR WEATHERTIGHT SEAL. TYPICAL IN BUS WASH BUILDING A.
6. EXPOSED STEEL STRUCTURE, BEAMS FRAMES, PURLINS, GIRTS ETC. PAINT.
7. MECHANICAL EQUIPMENT SEE MECHANICAL DRAWINGS.
8. MOTOR OPERATED OVERHEAD SECTIONAL DOORS TIGHT TO CEILING.
9. MOVEABLE WALL TRACK SUSPENDED FROM STEEL STRUCTURE.
10. GYPSUM BOARD BULKHEAD BOTTOM AT 10'-0" AFF.

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DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

MICHAEL L. PATTERSON REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
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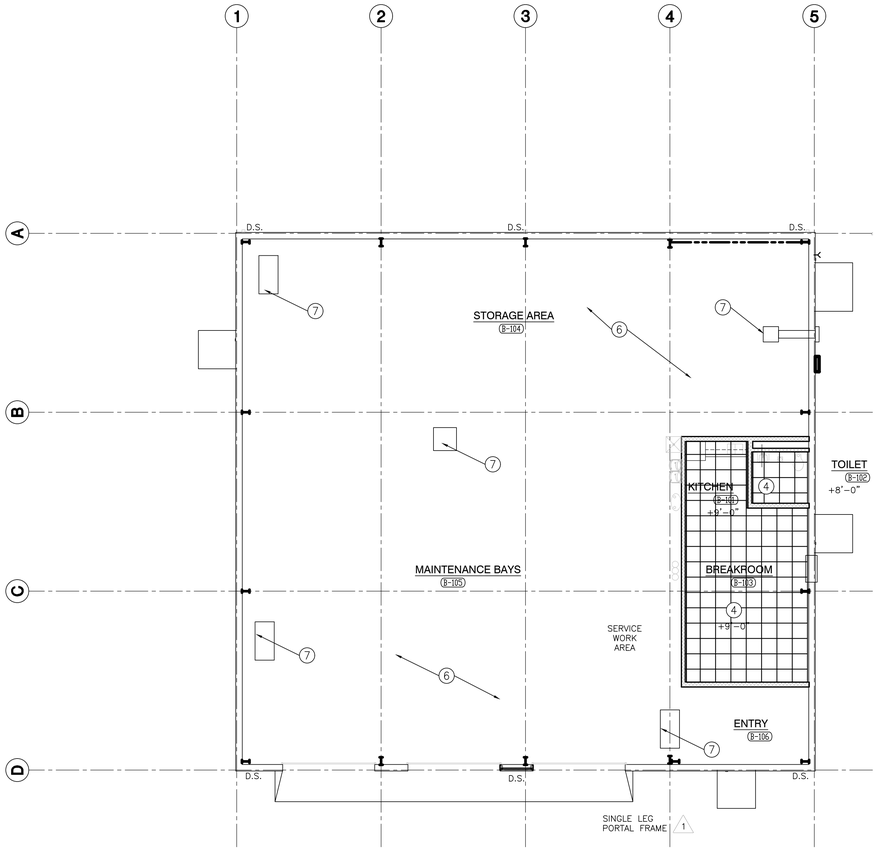
DRAWING
REFLECTED CEILING PLAN
BUS GARAGE
BUILDING A

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-901



FIRST FLOOR REFLECTED CEILING PLAN - BUILDING B

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

GENERAL REFLECTED CEILING PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI SERIES SHEETS.

B. THE ARCHITECTURAL REFLECTED CEILING PLAN GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.

C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.

D. REFER TO FLOOR PLANS FOR WALL TYPES

E. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.

F. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.

G. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.

REFLECTED CEILING PLAN LEGEND:

- GYPSUM BOARD BULKHEAD/CEILING
- 2'-0" x 2'-0" ACST. BD. CEILING — SEE ROOM FINISH SCHEDULE
- PREFINISHED METAL CEILING — SEE ROOM FINISH SCHEDULE
- LED LIGHT
- EXIT LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE
- CEILING SPEAKER
- OCCUPANCY SENSOR

REFLECTED CEILING PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. GYPSUM BOARD BULKHEAD BOTTOM AT 8'-0" AFF.
2. PREFINISHED METAL SOFFIT PANELS.
3. CMU LINTEL. PAINT.
4. SUSPENDED ACOUSTICAL CEILING SYSTEM.
5. PREFINISHED METAL CEILING PANELS WITH GASKETED FASTENERS AND CONTINUOUS SEAM TAPE. APPLY SEALANT AT WALL TO CEILING JOINTS FOR WEATHERTIGHT SEAL. TYPICAL IN BUS WASH BUILDING A.
6. EXPOSED STEEL STRUCTURE, BEAMS FRAMES, PURLINS, GIRTS ETC. PAINT.
7. MECHANICAL EQUIPMENT SEE MECHANICAL DRAWINGS.
8. MOTOR OPERATED OVERHEAD SECTIONAL DOORS TIGHT TO CEILING.
9. MOVEABLE WALL TRACK SUSPENDED FROM STEEL STRUCTURE.
10. GYPSUM BOARD BULKHEAD BOTTOM AT 10'-0" AFF. 2

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PROJECT
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DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

MICHAEL L. BOSELLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

REVISIONS

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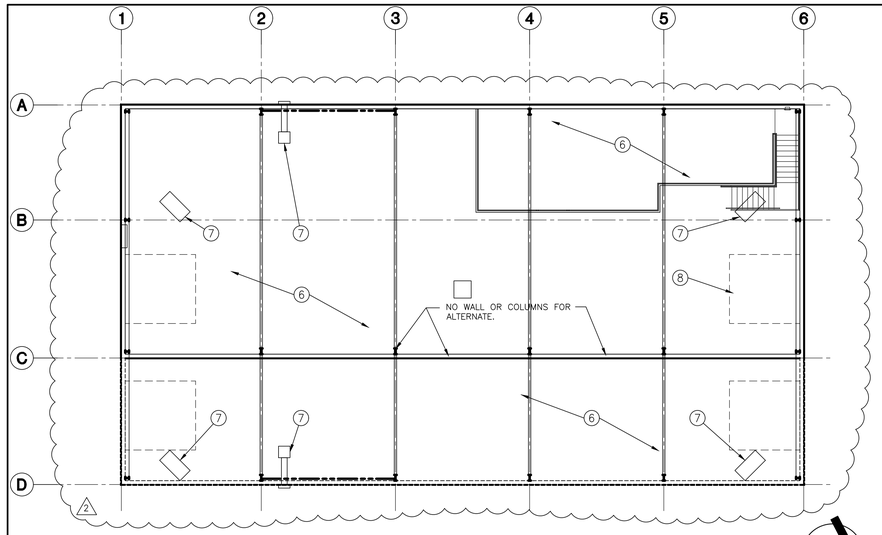
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
REFLECTED CEILING PLAN
MAINTENANCE BUILDING
BUILDING B

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

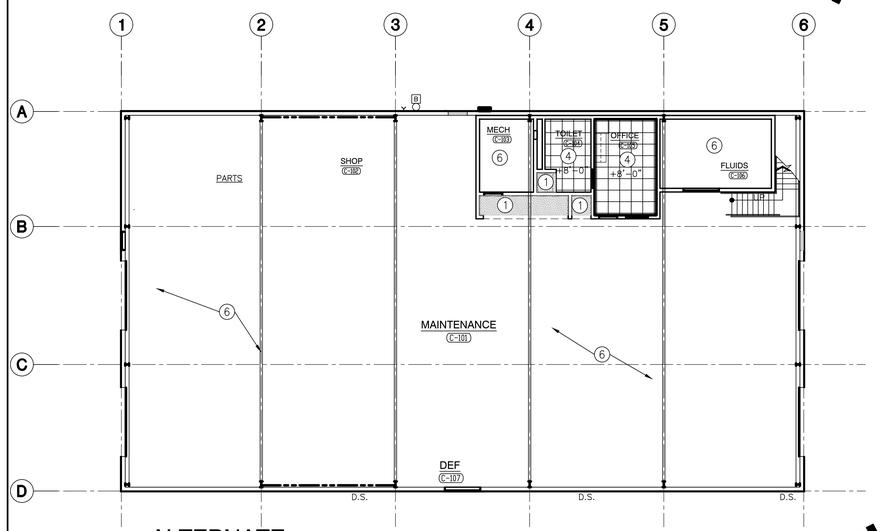
SHEET
A-902



SECOND FLOOR REFLECTED CEILING PLAN - BUILDING C

SCALE: 3/32" = 1'-0"

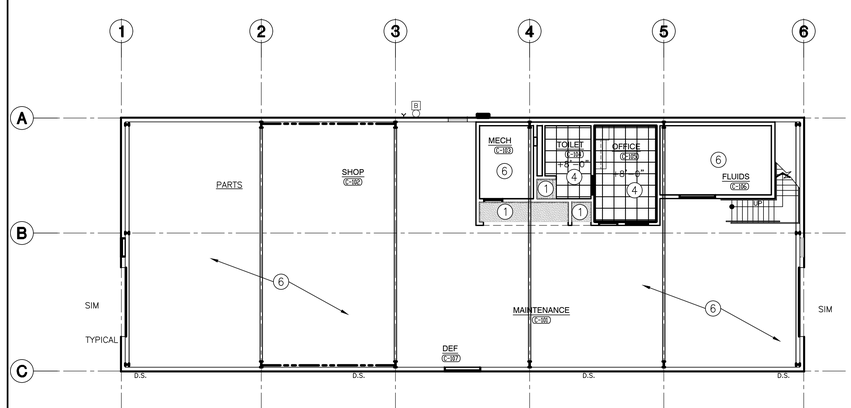
NORTH



ALTERNATE
FIRST FLOOR REFLECTED CEILING PLAN - BUILDING C

SCALE: 3/32" = 1'-0"

NORTH



BASE BID
FIRST FLOOR REFLECTED CEILING PLAN - BUILDING C

SCALE: 3/32" = 1'-0"

NORTH

GENERAL REFLECTED CEILING PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI SERIES SHEETS.

B. THE ARCHITECTURAL REFLECTED CEILING PLAN GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.

C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.

D. REFER TO FLOOR PLANS FOR WALL TYPES

E. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.

F. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.

G. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.

REFLECTED CEILING PLAN LEGEND:

- GYPSUM BOARD BULKHEAD/CEILING
- 2'-0" x 2'-0" ACST. BD. CEILING — SEE ROOM FINISH SCHEDULE
- PREFINISHED METAL CEILING — SEE ROOM FINISH SCHEDULE
- LED LIGHT
- EXIT LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE
- CEILING SPEAKER
- OCCUPANCY SENSOR

REFLECTED CEILING PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

1. GYPSUM BOARD BULKHEAD BOTTOM AT 8'-0" AFF.
2. PREFINISHED METAL SOFFIT PANELS.
3. CMU LINTEL. PAINT.
4. SUSPENDED ACOUSTICAL CEILING SYSTEM.
5. PREFINISHED METAL CEILING PANELS WITH GASKETED FASTENERS AND CONTINUOUS SEAM TAPE. APPLY SEALANT AT WALL TO CEILING JOINTS FOR WEATHERTIGHT SEAL. TYPICAL IN BUS WASH BUILDING A.
6. EXPOSED STEEL STRUCTURE, BEAMS FRAMES, PURLINS, GIRTS ETC. PAINT.
7. MECHANICAL EQUIPMENT SEE MECHANICAL DRAWINGS.
8. MOTOR OPERATED OVERHEAD SECTIONAL DOORS TIGHT TO CEILING.
9. MOVEABLE WALL TRACK SUSPENDED FROM STEEL STRUCTURE.
10. GYPSUM BOARD BULKHEAD BOTTOM AT 10'-0" AFF.

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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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Indianapolis, IN 46260
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PROJECT 20-141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

MICHAEL L. ROSSITER REGISTERED NO. AR11600005 STATE OF INDIANA

REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
REFLECTED CEILING PLANS
MECHANICS BUILDING
BUILDING C

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-903

RCP.DWG
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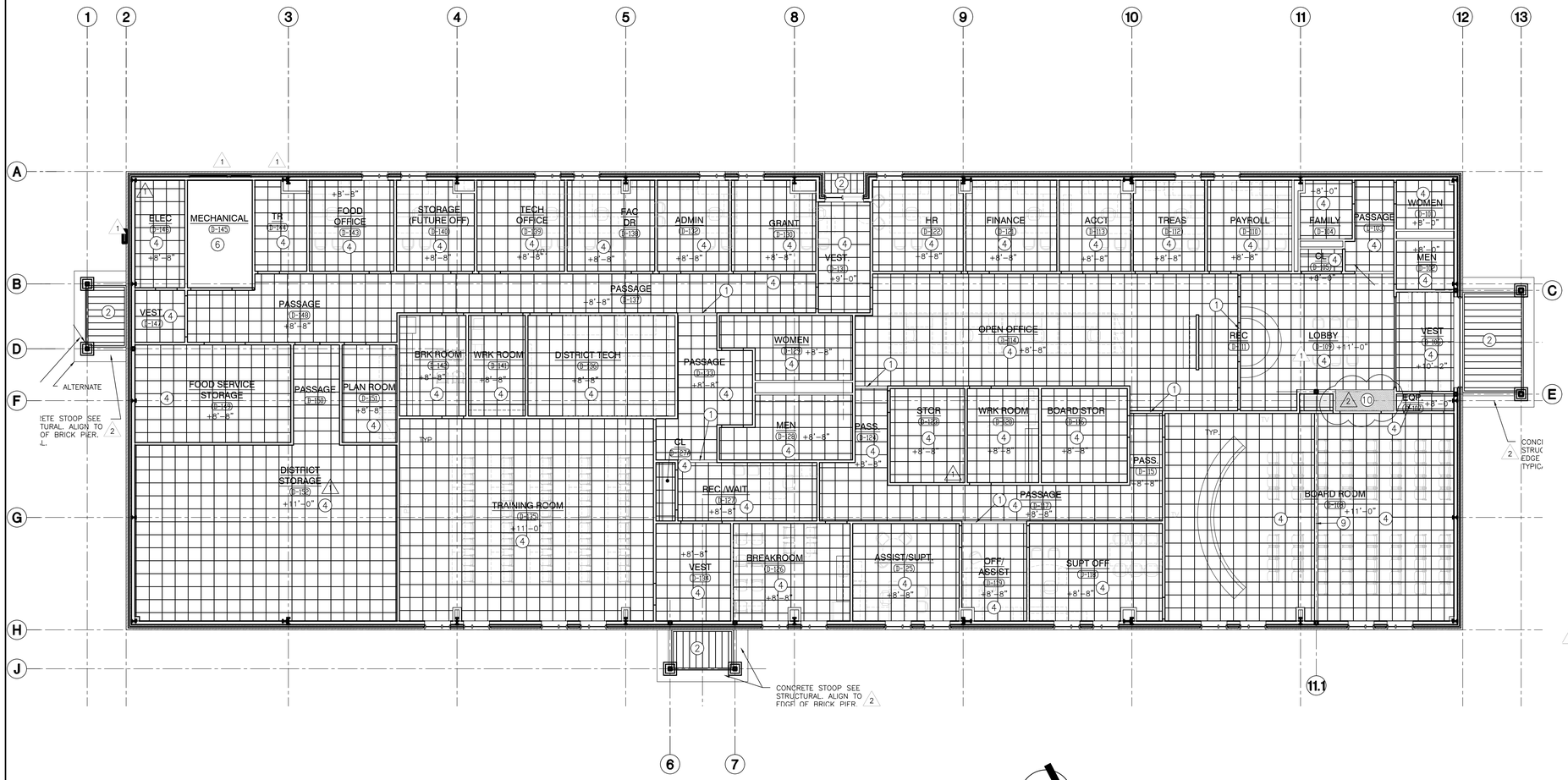

FIRST FLOOR REFLECTED CEILING PLAN - BUILDING D

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

GENERAL REFLECTED CEILING PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO GI SERIES SHEETS.

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- PREFINISHED METAL CEILING — SEE ROOM FINISH SCHEDULE
- LED LIGHT
- EXIT LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE
- CEILING SPEAKER
- OCCUPANCY SENSOR

REFLECTED CEILING PLAN NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

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2. PREFINISHED METAL SOFFIT PANELS.
3. CMU LINTEL. PAINT.
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10. GYPSUM BOARD BULKHEAD BOTTOM AT 10'-0" AFF.

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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

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PROJECT 20-141
DATE 05/17/21
COORDINATED BY CD
DRAWN BY JKF, AB
CHECKED BY JPB

MICHAEL L. ROSSITER REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

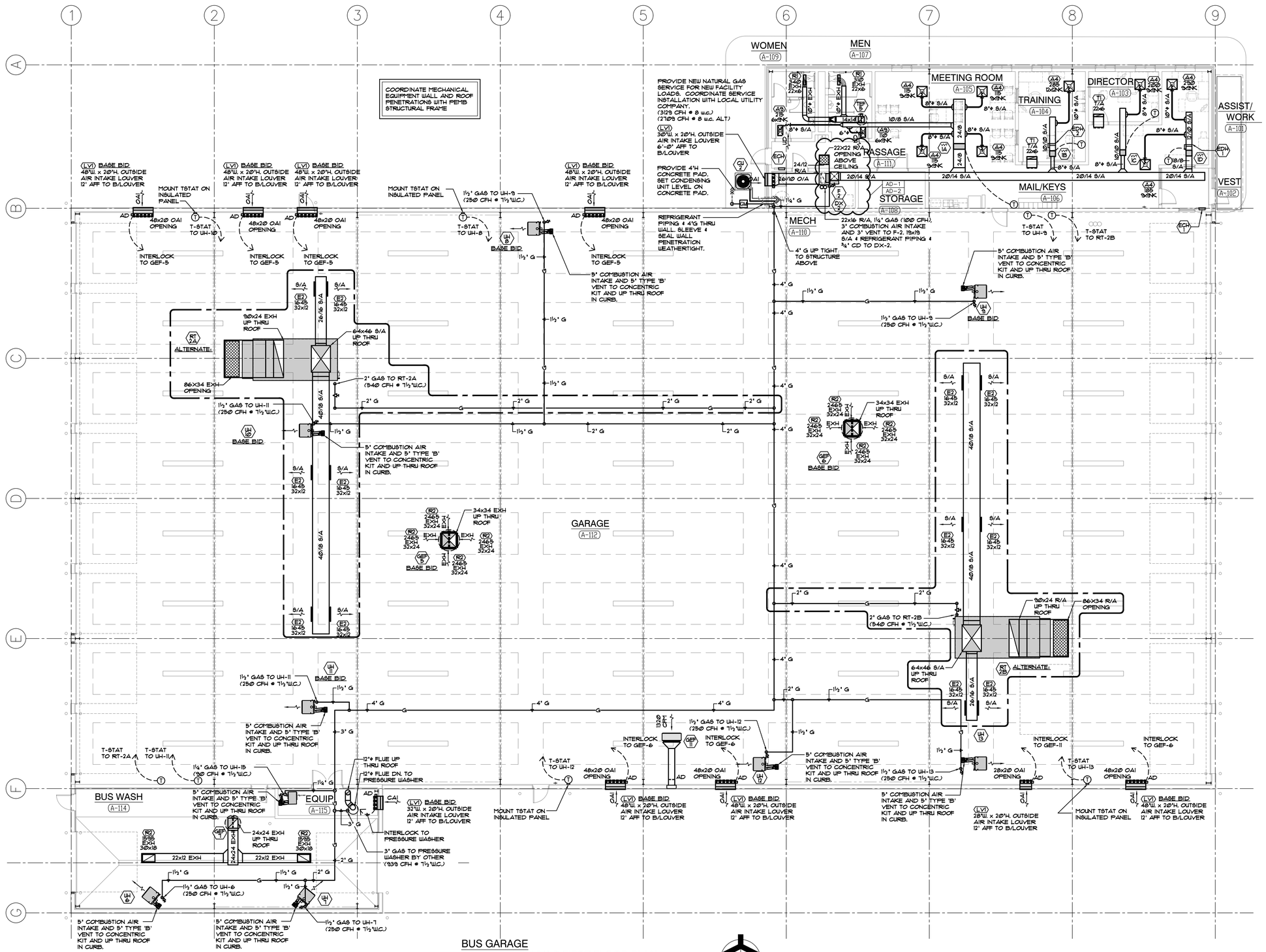
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1
2	06/03/21	ADDENDUM #2

DRAWING
REFLECTED CEILING PLAN
RESOURCE CENTER
BUILDING D

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-904



BUS GARAGE
MECHANICAL HVAC FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

GIBRALTAR
DESIGN
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PROJECT
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PROJECT 20-141
DATE 05/17/21
COORDINATED BY JC
DRAWN BY RH/GL/LvB
CHECKED BY DJ

DAVID G. JANNETT REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	05/28/21	ADDENDUM NO. 1
AD-2	06/04/21	ADDENDUM NO. 2

DRAWING
BUS GARAGE
MECHANICAL HVAC
FIRST FLOOR PLAN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
M-101

PLUMBING EQUIPMENT AND FIXTURE SCHEDULE

TAG NO.	FIXTURE/EQUIPMENT TYPE	FIXTURE/EQUIPMENT DESCRIPTION	FIXTURE/EQUIPMENT MANUFACTURER AND MODEL NO.	ACCEPTABLE MANUF.	FIXTURE VALVE/FAUCET TYPE	FIXTURE VALVE/FAUCET TYPE	ACCEPTABLE MANUF.	ACCESSORIES/REMARKS (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION)	ELECTRICAL DATA HP	KW	FLA	AMPS	MOCP	VOLT	PH	HZ.
WC-1	WATER CLOSET	VITREOUS CHINA, WALL MOUNTED	AMERICAN STANDARD #2257.001	NOTE #1	MANUAL FLUSH VALVE	SLOAN "REGAL PRO" #116-1.6	NOTE #10	BEMIS #1955-C SEAT	-	-	-	-	-	-	-	-
WC-2	WATER CLOSET	VITREOUS CHINA, WALL MOUNTED, ADA	AMERICAN STANDARD #2257.003	NOTE #1	MANUAL FLUSH VALVE	SLOAN "REGAL PRO" #111-1.6	NOTE #10	BEMIS #1955-C SEAT	-	-	-	-	-	-	-	-
UR-1	URINAL	VITREOUS CHINA, WALL MOUNTED, ADA	AMERICAN STANDARD #6501.010	NOTE #1	MANUAL FLUSH VALVE	SLOAN "REGAL PRO" #186-1.0	NOTE #10	-	-	-	-	-	-	-	-	-
L-1	LAVATORY	VITREOUS CHINA, WALL MOUNTED, 20"x18", ADA	AMERICAN STANDARD #0355.012	NOTE #1	ELECTRONIC BATTERY SENSOR, 4" CENTERS	SLOAN #EBF-187	NOTE #11	MCGUIRE #PW-2150-WC 1-1/2" PROWRAP, MCGUIRE #42167CCLK SUPPLIES	-	-	-	-	-	-	-	-
EWC-1	ELECTRIC WATER COOLER	ELECTRIC WALL MOUNTED W/ BOTTLE FILLER	ELKAY #LZS8WSLP	NOTE #2	-	-	-	-	-	-	-	-	-	120	1	60
EWC-2	ELECTRIC WATER COOLER	ELECTRIC WALL MOUNTED , DUAL LEVEL W/ BOTTLE FILLER	ELKAY #LZSTL8WSLP	NOTE #2	-	-	-	-	-	-	4.8	-	-	115	1	60
SH-1	SHOWER	-	-	-	1-HANDLE PRESSURE/TEMP. BALANCED	POWERS #E710-M-2-6-B-W	NOTE #11	HANDHELD SHOWER HEAD, HOSE, WALL BRACKET, VACUUM BREAKER AND 24" SLIDEBAR	-	-	-	-	-	-	-	-
S-1	SINK	TWO COMPARTMENT SINK	ELKAY *	NOTE #3	2 HANDLE, HIGH GOOSENECK	CHICAGO FAUCET CO. #105	NOTE #11	ELKAY #35 STRAINER, ELKAY #LK-53 DRAIN ASSEMBLY, MCGUIRE #42167CCLK SUPPLIES	-	-	-	-	-	-	-	-
S-2	SINK	SINGLE COMPARTMENT 48"x20"x5-1/2"	JUST #J-ADA-4820	NOTE #3	WALL MOUNTED SERVICE FAUCET	CHICAGO FAUCET CO. #897	NOTE #11	STRAINER, DRAIN ASSEMBLY, MCGUIRE #42167CCLK SUPPLIES	-	-	-	-	-	-	-	-
MB-1	MOP BASIN	MOLDED STONE, 30"x30"x6"H	FIAT #SB-3030	NOTE #4	WALL MOUNTED SERVICE FAUCET	CHICAGO FAUCET CO. #897	NOTE #11	W/ 3/4" HOSE THREAD, VACUUM BREAKER, WALL BRACE	-	-	-	-	-	-	-	-
FD-1	FLOOR DRAIN	CAST IRON BODY, ADJUSTABLE 6"x6" NICKEL BRONZE TOP	WADE #1100-G6	NOTE #5	-	-	-	VANDALPROOF SCREWS, PLUGGED TRAP PRIMER	-	-	-	-	-	-	-	-
FS-1	FLOOR SINK	CAST IRON, 8-1/8" DEEP, ACID RESISTING, 12"x12" TOP	WADE #3140	NOTE #5	-	-		ALUMINUM DOME STRAINER, SECURED HINGED GRATE, SLOPED RIM	-	-	-	-	-	-	-	-
SC-1	SILLCOCK	NON-FREEZE, VACUUM BREAKER, REMOVABLE KEY	WADE #8600	NOTE #6	-	-	-	-	-	-	-	-	-	-	-	-
TW-1	TEMPERED WATER VALVE	TEMPERED WATER VALVE	BRADLEY #859-4000A TMV	NOTE #7	-	-	-	-	-	-	-	-	-	-	-	-
DB-1	DOMESTIC BOOSTER PUMP	75 GPM @ 65 PSI DISCHARGE W/ SUCTION @ 30 PSI	METROPOLITAN #MS-MT111-2D-PHI-35B	-	-	-		W/ 106 GAL. TANK, 3" SUCTION/ 3" DISCHARGE, (50-GPM @ 80-FT. TDH EA. PUMP)	(2) 2	-	-	-	-	480	3	60
TWH-1	TANKLESS WATER HEATER	199 MBH, 4.1 GPM @ 90 DEGREE RISE (GAS FIRED)	NORITZ #NCC199I-DV	-	-	-	-	ISOLATION KIT, TEMP. RELIEF VALVE, DRAIN VALVE AND CONDENSATE PIPED TO FLOOR DRAIN	-	-	-	-	-	120	1	60
WH-1	WATER HEATER	15 KW, 77 GPH, 50 GAL. STORAGE	STATE #CSB 52 15 SFE	NOTE #8	-	-	-	-	-	15	-	-	-	208	1	60
WH-2	WATER HEATER	6 KW, 24 GPH, 30 GAL. STORAGE	STATE #PCE 30 20LSA	NOTE #8	-	-	-	-	-	6	-	-	-	208	1	60
IWH-1	WATER HEATER	56° RISE @ 0.5 GPM FLOW RATE, UNIT TO OPERATE AT 30 PSI MIN.	EEMAX #SPEX4120T	-	-	-	-	-	-	4.1	-	-	-	208	1	60
IWH-2	WATER HEATER	56° RISE @ 0.5 GPM FLOW RATE, UNIT TO OPERATE AT 30 PSI MIN.	EEMAX #SPEX4120T	-	-	-	-	-	-	4.1	-	-	-	208	1	60
IWH-3	WATER HEATER	59° RISE @ 1 GPM FLOW RATE, UNIT TO OPERATE AT 30 PSI MIN.	EEMAX #SPEX01224OT	-	-	-	-	-	-	8.7	-	-	-	208	1	60
IWH-4	WATER HEATER	59° RISE @ 1 GPM FLOW RATE, UNIT TO OPERATE AT 30 PSI MIN.	EEMAX #SPEX01224OT	-	-	-	-	-	-	8.7	-	-	-	208	1	60
AD-2 OS-1	OIL SEPARATOR	314 GPM, 560 GAL. STORAGE	STRIEM OT-500	-	-	-	-	-	-	-	-	-	-	-	-	-
OS-2	OIL SEPARATOR	314 GPM, 560 GAL. STORAGE	STRIEM OT-500	-	-	-	-	-	-	-	-	-	-	-	-	-
OS-3	OIL SEPARATOR	100 GPM, 250 GAL. STORAGE	STRIEM OS-100	-	-	-	-	-	-	-	-	-	-	-	-	-
EMEW-1	EMERGENCY EYEWASH	BOWL AND DUST COVER, ADA	BRADLEY #S19224	-	-	-	-	PROVIDED W/ NAVIGATOR 819-2000 EFX8 EMERGENCY THERMOSTATIC MIXING VALVE	-	-	-	-	-	-	-	-
SD-1	SEDIMENT BASIN	INSTALLED IN "TD-1" TRENCH DRAIN	ZURN #Z887-6-HD	-	-	-	-	-	-	-	-	-	-	-	-	-
TD-1	TRENCH DRAIN	PRESLOPED HIGH DENSITY POLYPROPYLENE	ZURN #Z-886-LC	-	-	-	-	STAINLESS STEEL LOCKDOWN, WITH HEAVY DUTY GRATE	-	-	-	-	-	-	-	-
AD-1 RCP-1	RECIRCULATING PUMP	2.5 GPM @ 14' HEAD, ALL BRONZE CONSTRUCTION	B&G # PL-36	NOTE #9	-	-	-	W/ STRAP ON AQUASTAT	1/6	-	-	-	-	120	1	60
WS-1	WATER SOFTENER	9"x48" TANK, BRINE TANK 18"x48", 9.0 GPM @ 11 PSI	CULLIGAN #HE-1 - 9" MODEL	-	-	-	-		-	-	-	-	-	120	1	60

NOTE #1: GERBER, CRANE, KOHLER, ZURN
NOTE # 2: OASIS, HAWS, SUNROC
NOTE #3: JUST
NOTE #4: MUSTEE, SWAN
NOTE #5: ZURN, JOSAM, J.R. SMITH, MIFAB
NOTE #6: JOSAM, ZURN, J.R. SMITH, WOODFORD
NOTE #7: LEONARD, POWERS, LAWLER

NOTE #8: LOCHINVAR, A.O. SMITH
NOTE #9: METROPOLITAN, TACO
NOTE #10: ZURN, TOTO
NOTE #11: ZURN, DELTA, T&S BRASS, CHICAGO FAUCET CO.

GENERAL NOTES

A. WORK SHALL COMPLY WITH LOCAL, MUNICIPAL, AND STATE PLUMBING CODES.

B. THE SCOPE OF WORK SPECIFIED HEREIN AND IN THE SPECIFICATIONS SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER - REFER TO THE SCOPE OF WORK FOR EACH TRADE. ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND CONSTRUCTION MANAGERS SCOPE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR CLARIFICATION. THE ARCHITECT/ENGINEER'S DECISION SHALL BE FINAL.

C. LAYOUT IS DIAGRAMMATIC. INSTALL PIPING AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS. REVIEW PROJECT SPECIFICATIONS BEFORE STARTING ANY WORK. SUBMIT SHOP DRAWINGS OF WORK AS PER SPECIFICATIONS.

D. LAYOUT WORK TO AVOID CONFLICTS BETWEEN DUCTWORK, LIGHTING, CEILINGS, PIPING AND BUILDING STRUCTURE.

E. VERIFY LOCATION AND ELEVATION OF PLUMBING EQUIPMENT, FIXTURES, PIPING, PANELS, ETC. EXPOSED WITHIN OCCUPIED SPACES BEFORE THE START OF ANY ROUGH-IN OR INSTALLATION.

F. COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) BEFORE ORDERING ANY EQUIPMENT.

G. COORDINATE VENT THROUGH ROOF LOCATIONS WITH OUTDOOR AIR INTAKE LOCATIONS TO MAINTAIN A MINIMUM SEPARATION OF TEN FEET.

H. PROVIDE AND INSTALL PLENUM WRAP, TESTED TO UL 84 AND UL 910, ON ALL EXISTING PVC PIPING IN NEW OR EXISTING RETURN AIR CEILING PLENUMS.

I. PROVIDE ROUGH-IN AND FINAL CONNECTIONS TO PLUMBING EQUIPMENT AND FIXTURES. SET FIXTURES/EQUIPMENT AND FURNISH AND INSTALL NECESSARY FITTINGS, TRAPS, STOPS, ETC. AS REQUIRED.

J. ISOLATION VALVES SHALL BE INSTALLED OVER ACCESSIBLE CEILINGS. WHEN ISOLATION VALVES ARE INSTALLED OVER INACCESSIBLE CEILING AREAS, IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO FURNISH AND INSTALL 12" X 12" (MINIMUM) CEILING ACCESS DOORS. TYPE TO BE VANDALPROOF, TAMPERPROOF ASSEMBLIES. INSTALLATION TO BE COORDINATED WITH GENERAL CONTRACTOR.

K. INVERT ELEVATIONS SHALL BE FIELD COORDINATED WITH FINAL GRADING PLANS TO ENSURE PROPER INSTALLATION.

L. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR FINAL MOUNTING HEIGHTS OF PLUMBING FIXTURES.

M. PROTECT DRAIN OPENINGS AND SANITARY LINES DURING CONSTRUCTION TO PREVENT BLOCKAGE

N. REPAIR AND/OR REPLACE DAMAGED PIPE INSULATION THAT OCCURS AS THE RESULT OF THIS CONSTRUCTION.

SYMBOLS AND ABBREVIATIONS

UNDERGROUND SANITARY SEWER
COLD WATER PIPING
HOT WATER PIPING
HOT WATER RECIRCULATION PIPING
VENT PIPING
OVERHEAD SANITARY PIPING
OIL WASTE SANITARY
PIPE DOWN
PIPE UP
SHUT-OFF VALVE
CHECK VALVE
HOSE BIBB/SILL COCK
RELIEF VALVE
SHOWER HEAD
BALANCING COCK/MANUAL FLOW CONTROL VALVE
THERMOMETER
PRESSURE GAUGE
SHEET NOTE TAG

CO	CLEANOUT
CW	COLD WATER
DBP	DOMESTIC BOOSTER PUMP
DN	DOWN
EMSH	EMERGENCY SHOWER AND EYEWASH
EWC	ELECTRIC WATER COOLER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FIN. FL.	FINISHED FLOOR
FIN. GR.	FINISHED GRADE
FS	FLOOR SINK
HB	HOSE BIBB
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
IM	ICEMAKER VALVE BOX
INV. EL.	INVERT ELEVATION
IWH	INSTANTANEOUS WATER HEATER
L	LAVATORY
MB	MOP BASIN
RCP	HOT WATER RECIRCULATION PUMP
S	SINK
SC	SILL COCK
SH	SHOWER
TD	TRENCH DRAIN
TW	TEMPERED WATER
TWH	TANKLESS WATER HEATER
UR	URINAL
V	VENT
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WH	WATER HEATER
YCO	YARD CLEANOUT

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PROJECT 20-141
DATE 05/17/21
COORDINATED BY JC
DRAWN BY RH/GL/LvB
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	05/28/21	ADDENDUM NO. 1
AD-2	06/04/21	ADDENDUM NO. 2

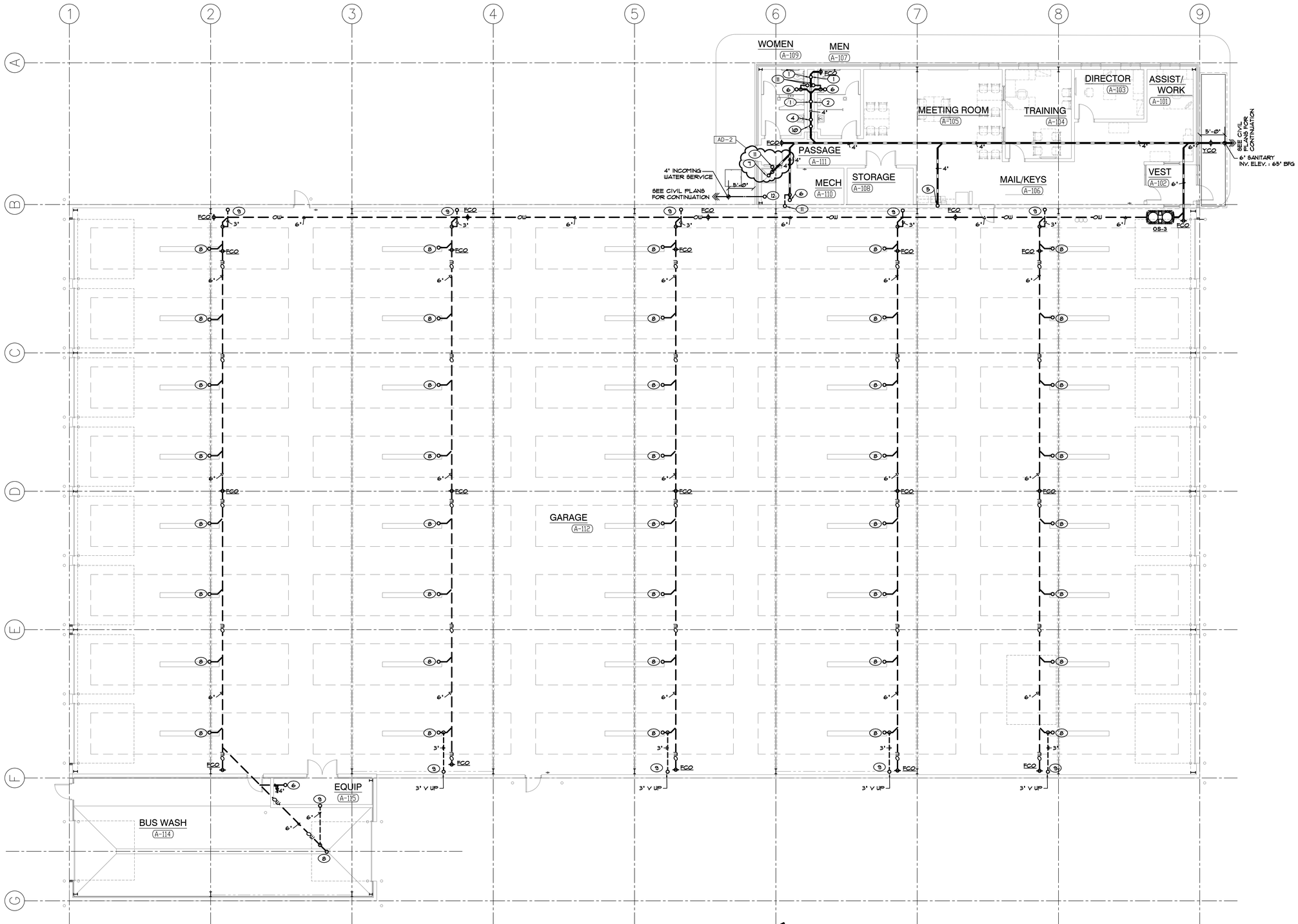
DRAWING
PLUMBING NOTES, SYMBOLS, ABBREVIATIONS & SCHEDULES

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
P-001

SHEET NOTES

1. 4" SANITARY UP TO WATER CLOSET
2. 2" SANITARY UP TO URINAL
3. 1½" SANITARY UP TO LAVATORY
4. 2" SANITARY UP TO (2) LAVATORY
5. 2" SANITARY UP TO SINK
6. 4" SANITARY UP TO FLOOR DRAIN/SINK
7. 4" SANITARY UP TO MOP BASIN
8. 6" SANITARY UP TO TRENCH DRAIN
9. 3" VENT UP
10. 1½" SANITARY UP TO ELECTRIC WATER COOLER
11. 2" VENT UP
12. 4" INCOMING WATER SERVICE UP



PLUMBING UNDERFLOOR PLAN
BUS GARAGE BUILDING A
SCALE: 1/8" = 1'-0"

NORTH

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PROJECT
20-141
DATE
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COORDINATED BY
JC
DRAWN BY
RH/GL/LvB
CHECKED BY
DJ

REGISTERED PROFESSIONAL ENGINEER
DAVID G. JANNEY
NO. 10302590
STATE OF INDIANA

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	06/04/21	ADDENDUM NO. 2

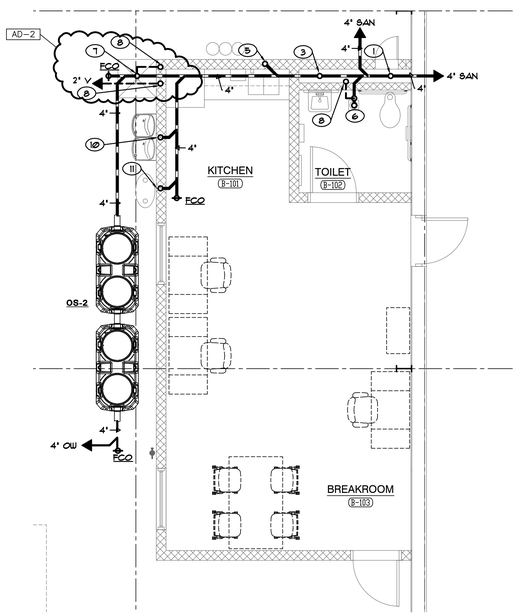
DRAWING
PLUMBING UNDERFLOOR PLAN
BUS GARAGE
BUILDING A

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
P-101

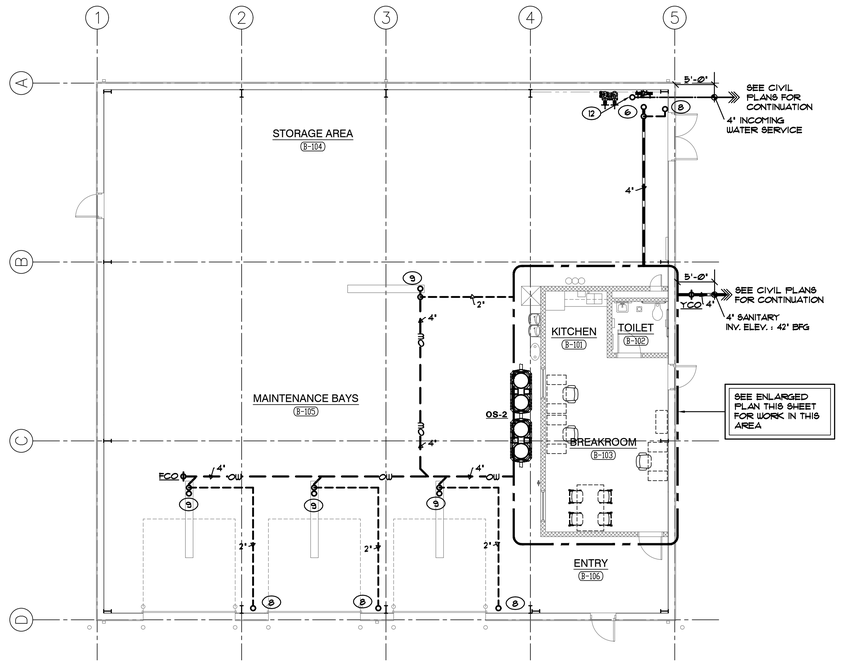
SHEET NOTES

1. 4" SANITARY UP TO WATER CLOSET
2. 2" SANITARY UP TO URINAL
3. 1½" SANITARY UP TO LAVATORY
4. 2" SANITARY UP TO (2) LAVATORY
5. 2" SANITARY UP TO SINK
6. 4" SANITARY UP TO FLOOR DRAIN/SINK
7. 4" SANITARY UP TO MOP BASIN
8. 2" VENT UP
9. 4" SANITARY UP TO TRENCH DRAIN
10. 1½" SANITARY UP TO ELECTRIC WATER COOLER
11. 2" SANITARY UP TO EMERGENCY EYEWASH
12. 4" INCOMING WATER SERVICE UP



ENLARGED KITCHEN/TOILET
PLUMBING UNDERFLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH



PLUMBING UNDERFLOOR PLAN
MAINTENANCE BUILDING
BUILDING B
SCALE: 1/8" = 1'-0"

NORTH

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PROJECT
20-141
DATE
05/17/21
COORDINATED BY
JC
DRAWN BY
RH/GL/LvB
CHECKED BY
DJ

DAVID G. JARNEY
REGISTERED
NO. 10302590
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	06/04/21	ADDENDUM NO. 2

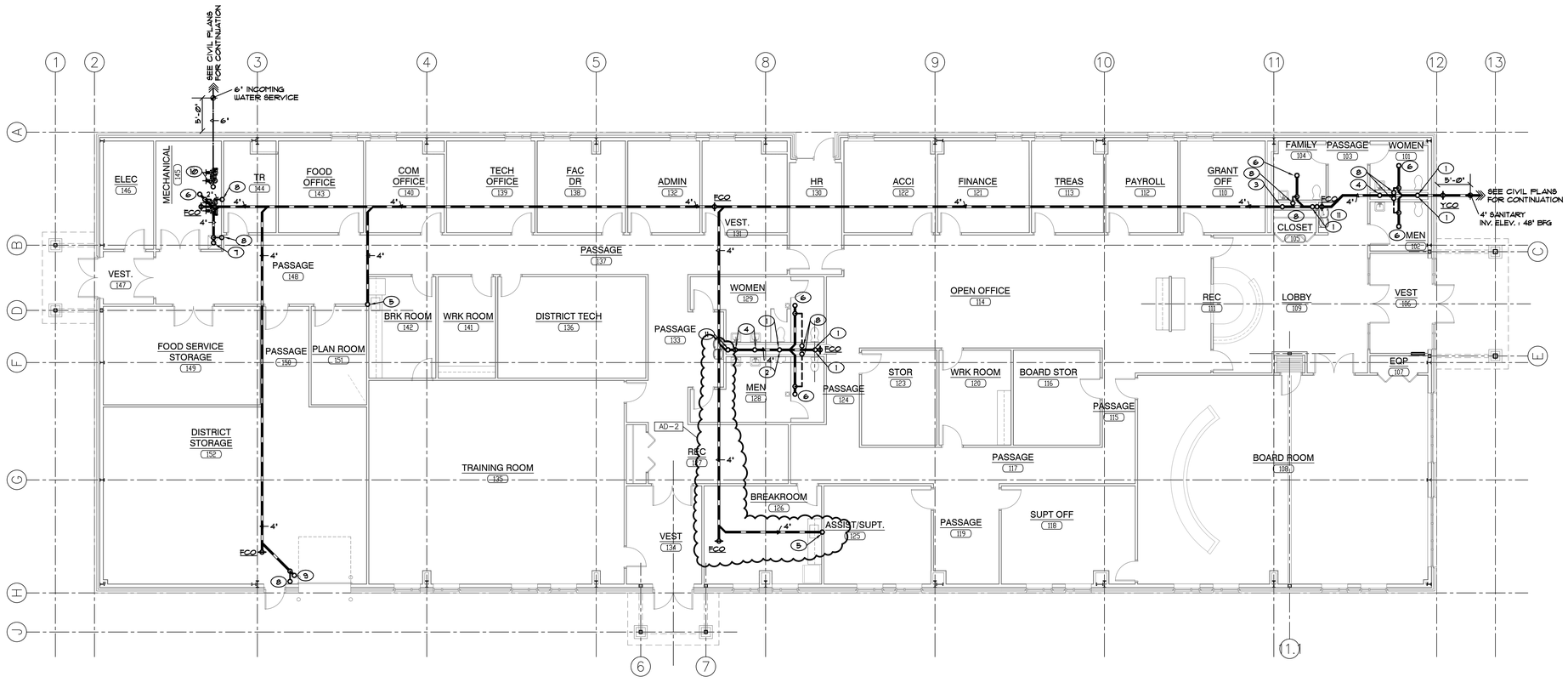
DRAWING
PLUMBING UNDERFLOOR PLANS
MAINTENANCE BUILDING
BUILDING B

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
P-102

SHEET NOTES

1. 4" SANITARY UP TO WATER CLOSET
2. 2" SANITARY UP TO URINAL
3. 1½" SANITARY UP TO LAVATORY
4. 2" SANITARY UP TO (2) LAVATORY
5. 2" SANITARY UP TO SINK
6. 4" SANITARY UP TO FLOOR DRAIN/SINK
7. 4" SANITARY UP TO MOP BASIN
8. 2" VENT UP
9. 4" SANITARY UP TO TRENCH DRAIN
10. 6" INCOMING WATER SERVICE
11. 2" SANITARY UP TO ELECTRIC WATER COOLER



PLUMBING UNDERFLOOR PLAN
RESOURCE CENTER BUILDING D
SCALE: 1/8" = 1'-0"

NORTH

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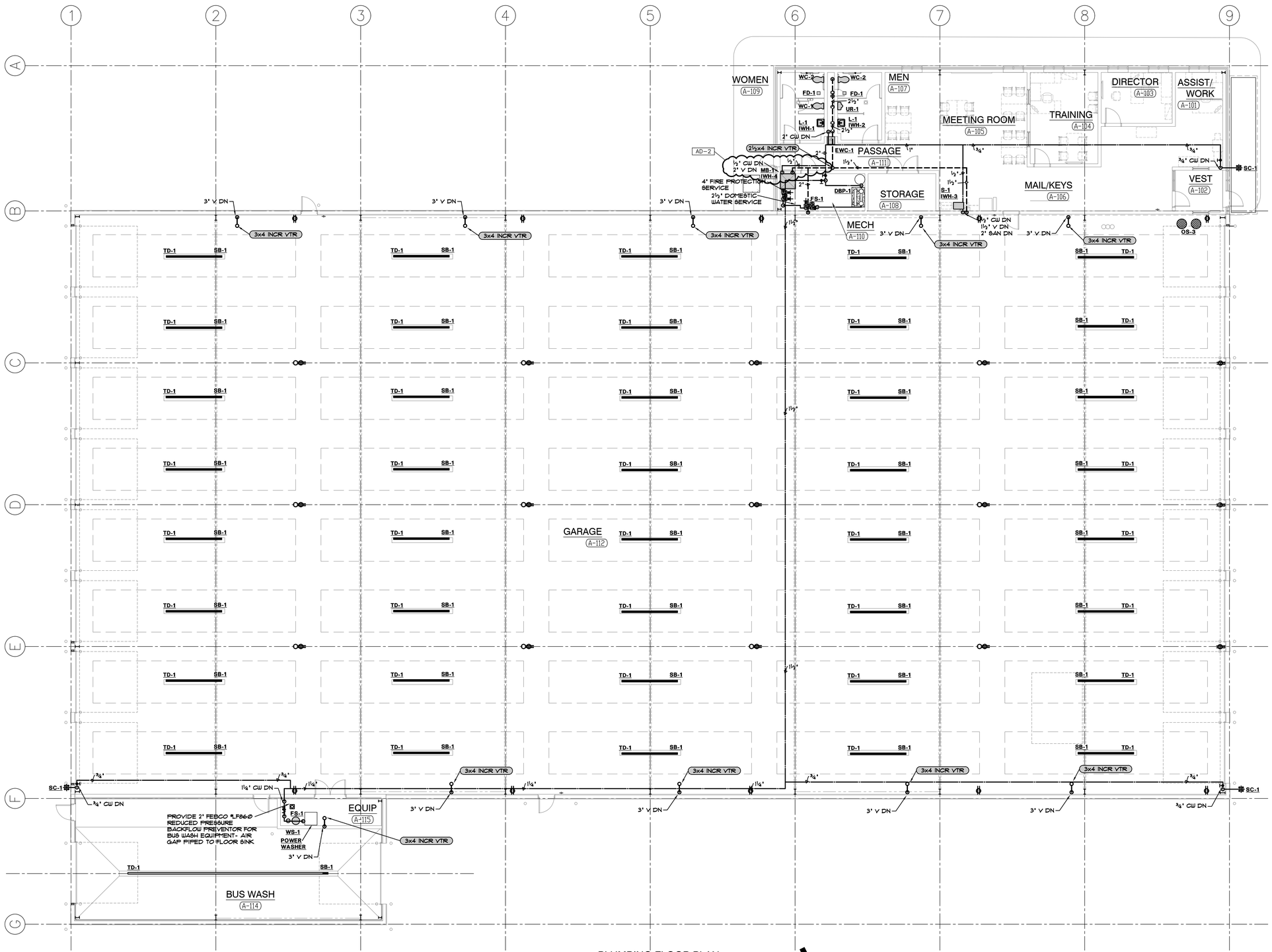
DRAWING
PLUMBING UNDERFLOOR PLAN
RESOURCE CENTER
BUILDING D

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
P-104



PLUMBING FLOOR PLAN
BUS GARAGE BUILDING A
SCALE: 1/8" = 1'-0"

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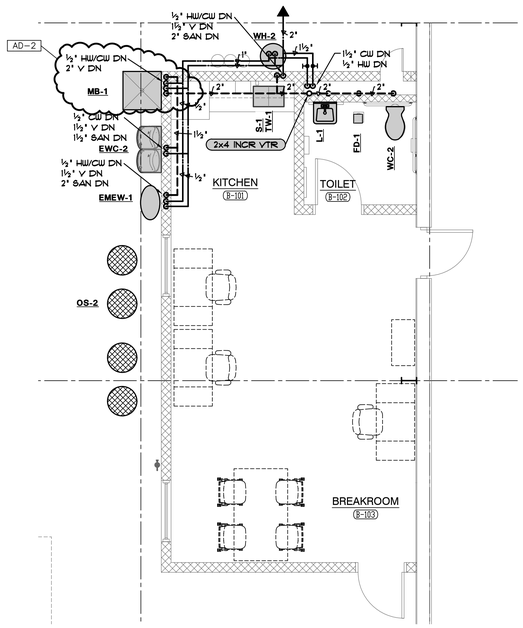
DRAWING
PLUMBING FLOOR PLAN
BUS GARAGE
BUILDING A

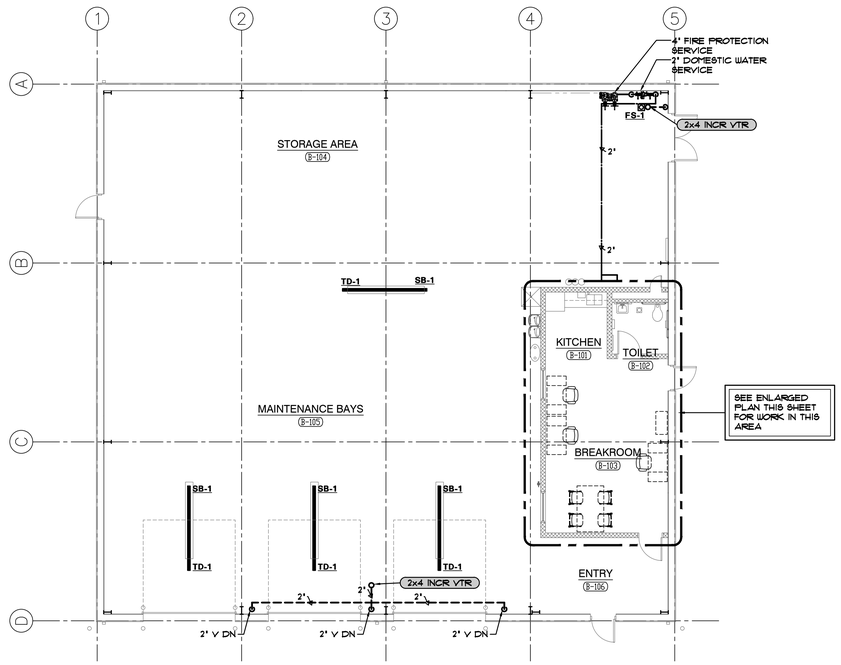
PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
P-111



ENLARGED KITCHEN/TOILET
PLUMBING FLOOR PLAN
SCALE: 1/4" = 1'-0"

NORTH



PLUMBING FLOOR PLAN
MAINTENANCE BUILDING
BUILDING B
SCALE: 1/8" = 1'-0"

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REGISTERED PROFESSIONAL ENGINEER
DAVID G. JANNETT
NO. 10302590
STATE OF INDIANA

REVISIONS

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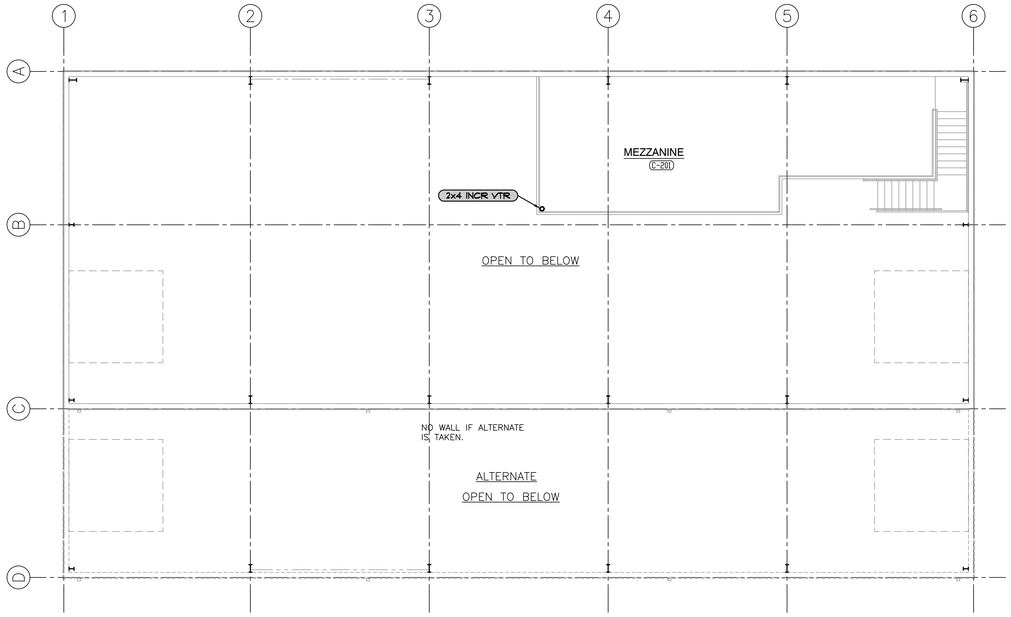
DRAWING
PLUMBING PLANS
MAINTENANCE BUILDING
BUILDING B

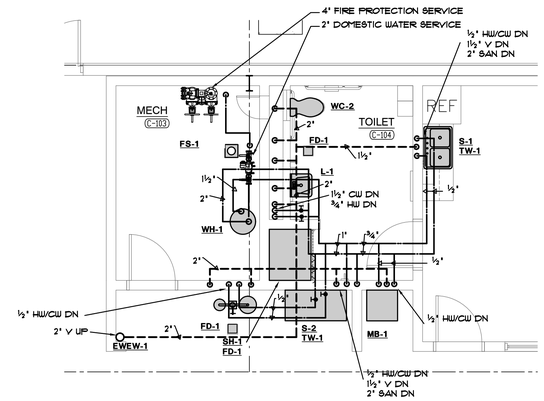
PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
P-112



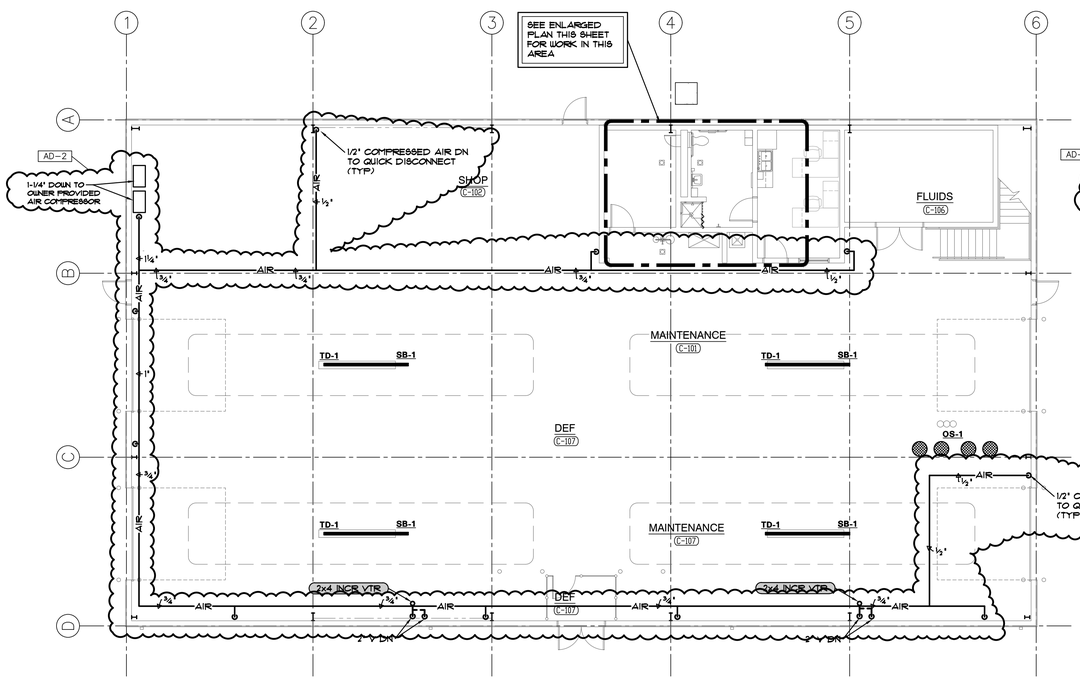
PLUMBING MEZZANINE PLAN
MECHANICS BUILDING
BUILDING C
SCALE: 1/8" = 1'-0"

NORTH



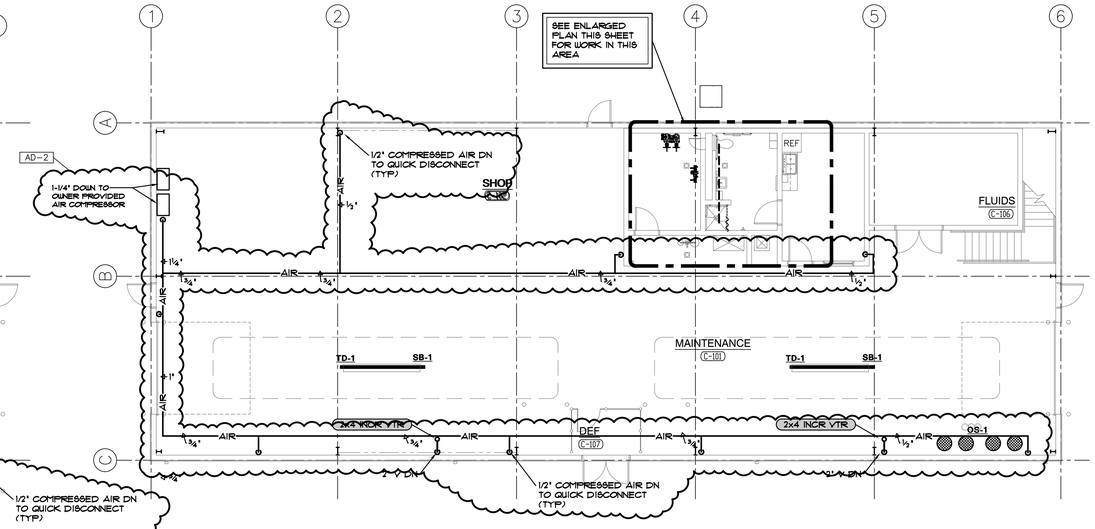
PLUMBING ENLARGED PLAN
MECHANICS BUILDING
BUILDING C
SCALE: 1/4" = 1'-0"

NORTH



PLUMBING FLOOR PLAN
MECHANICS BUILDING
BUILDING C - ALTERNATE
SCALE: 1/8" = 1'-0"

NORTH



PLUMBING FLOOR PLAN
MECHANICS BUILDING
BUILDING C - BASE BID
SCALE: 1/8" = 1'-0"

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PROFESSIONAL ENGINEER

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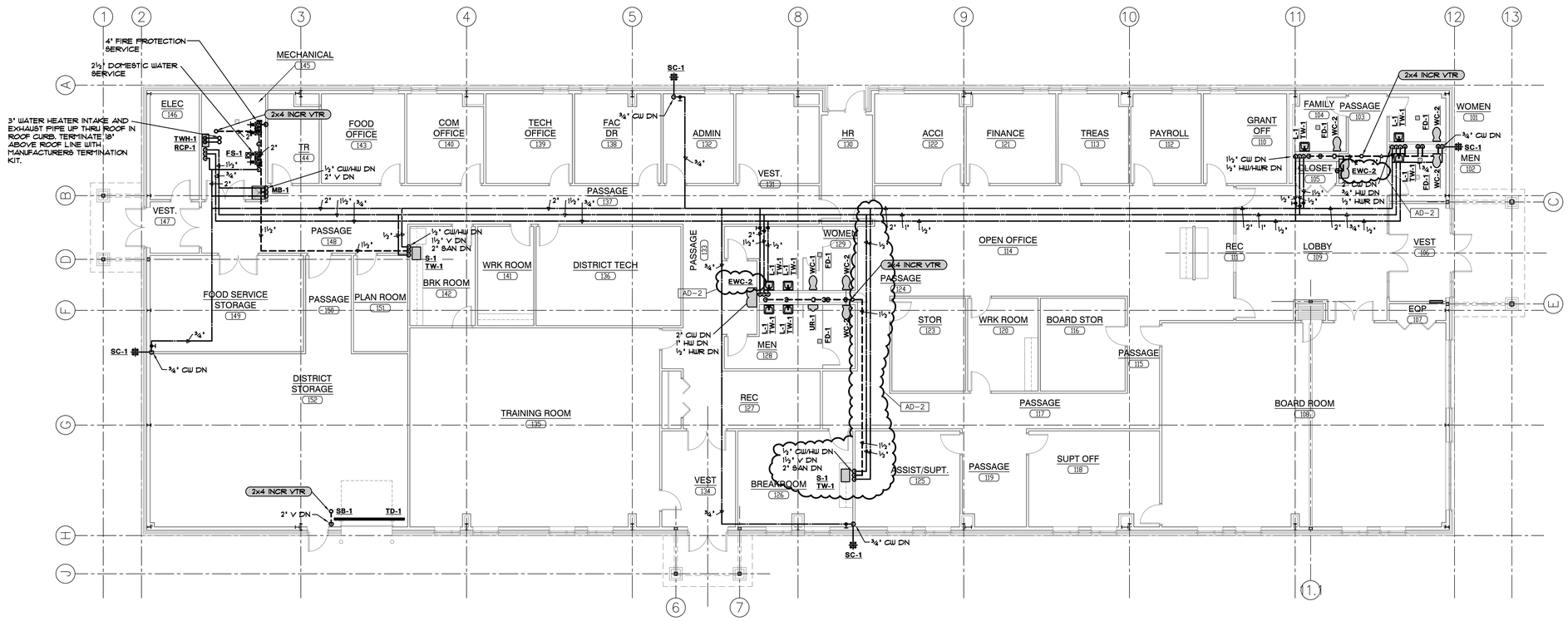
DRAWING
PLUMBING PLANS
MECHANICS BUILDING
BUILDING C

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
P-113



PLUMBING FLOOR PLAN
RESOURCE CENTER BUILDING D
SCALE: 1/8" = 1'-0"

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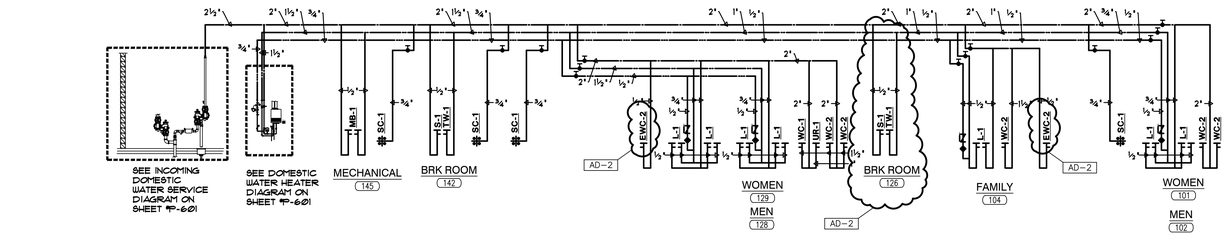
DRAWING
PLUMBING FLOOR PLAN
RESOURCE CENTER
BUILDING D

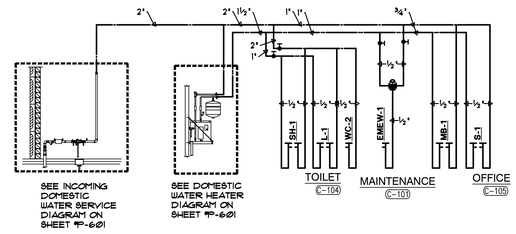
PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
P-114

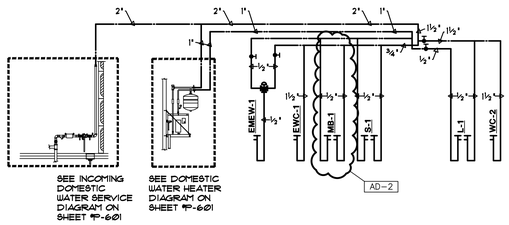
DOMESTIC COLD, HOT AND HOT RETURN WATER PIPING DIAGRAM



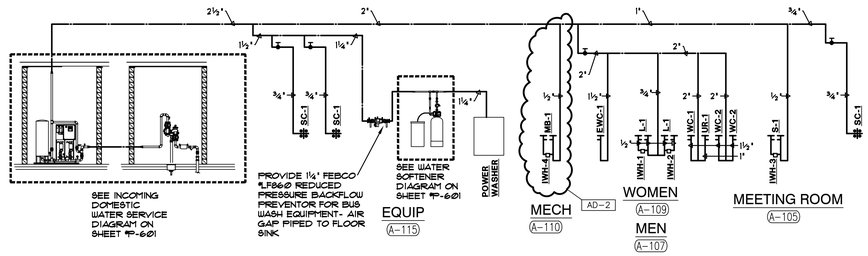
RESOURCE CENTER



MECHANICS BUILDING/
MECHANICS BUILDING
(ALTERNATE)

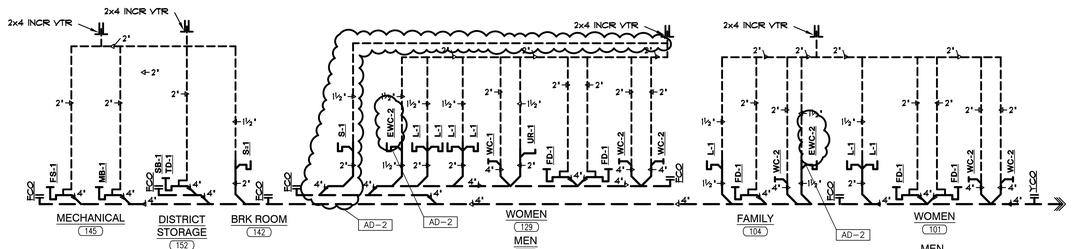


MAINTENANCE BUILDING

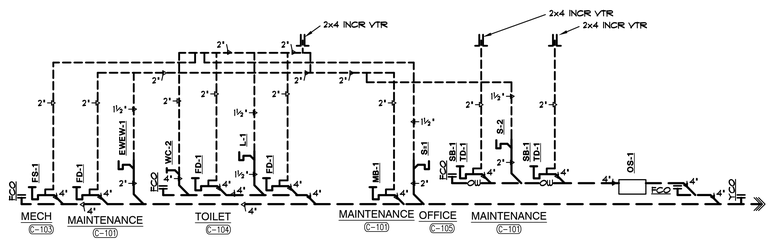


BUS GARAGE

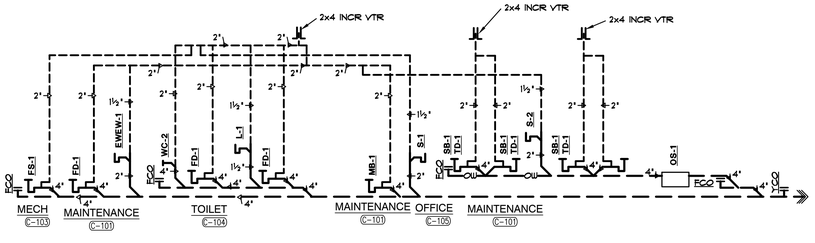
SANITARY AND VENT PIPING DIAGRAM



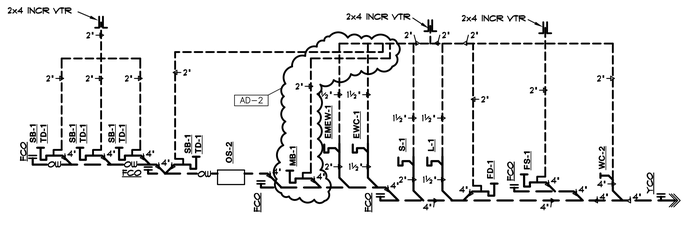
RESOURCE CENTER



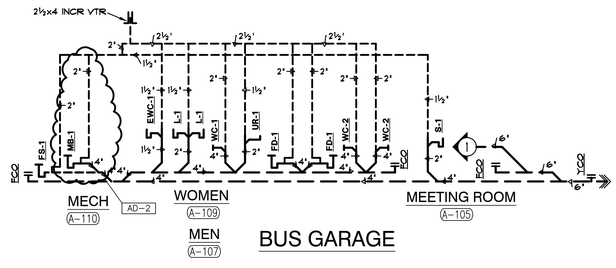
MECHANICS BUILDING



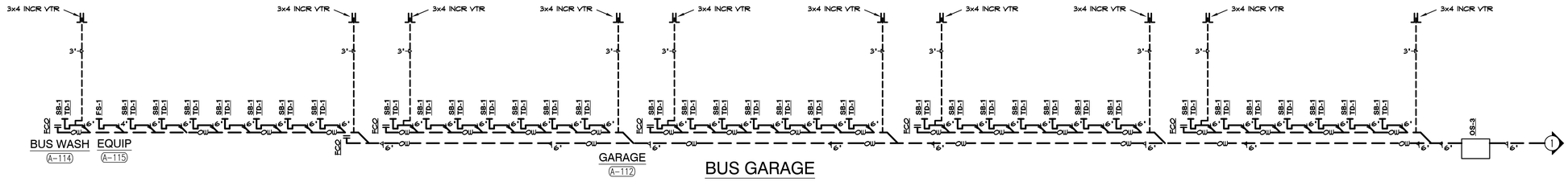
MECHANICS BUILDING
(ALTERNATE)



MAINTENANCE BUILDING



BUS GARAGE



BUS GARAGE

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REVISIONS

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DRAWING
PLUMBING RISER DIAGRAMS

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

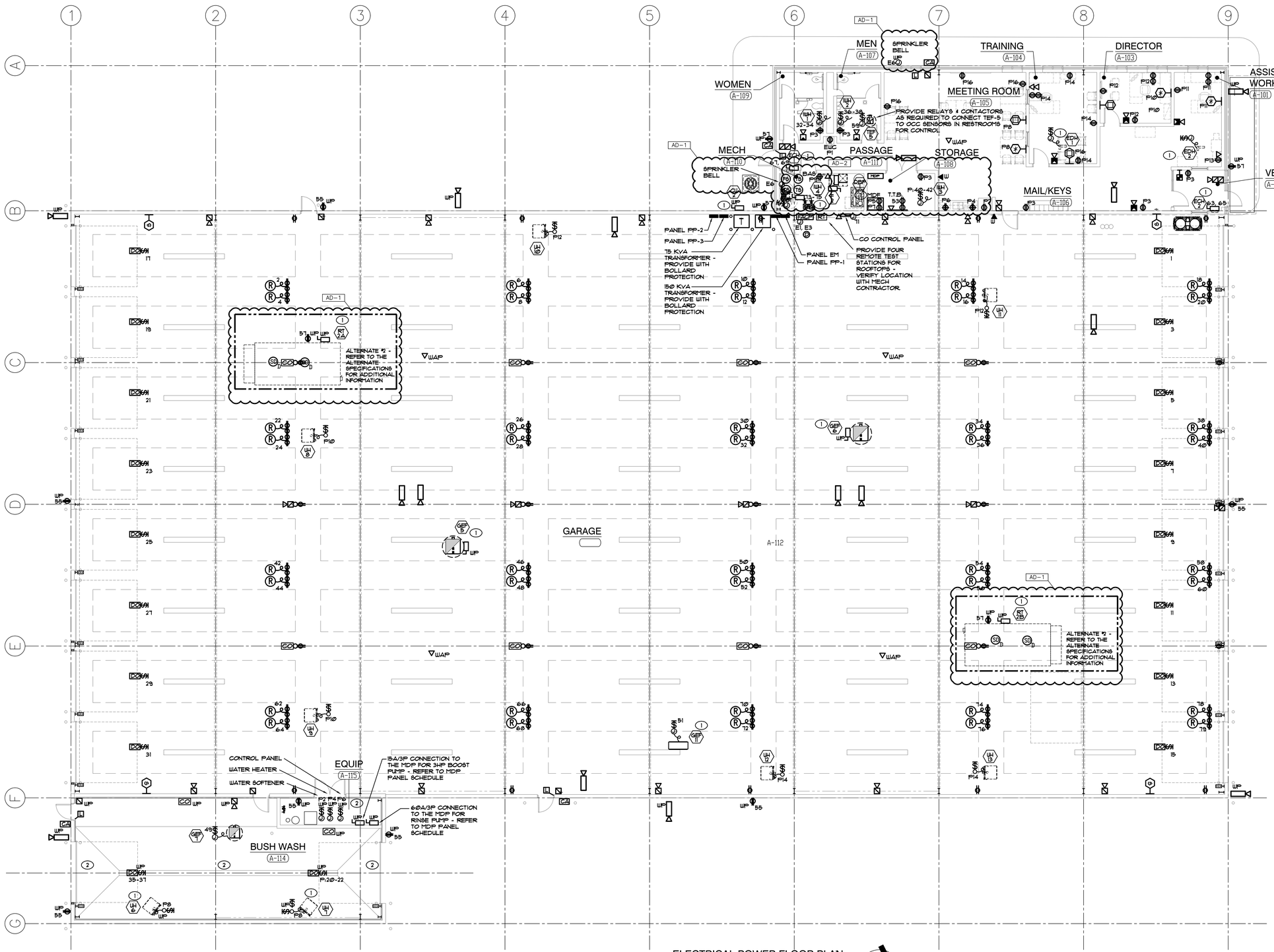
SHEET
P-502

GENERAL NOTES

1. ALL DEVICES SHALL BE CIRCUITED TO CIRCUIT INDICATED IN PANEL PP-1, UNLESS OTHERWISE NOTED. CIRCUIT TAGS WITH A 'P' PREFIX SHALL BE CONNECTED TO CIRCUITS INDICATED IN PANEL PP-2.
2. ALL DEVICES WITH AN 'E' PREFIX SHALL BE CIRCUITED TO PANEL EM.

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE AND ONE-LINE DIAGRAM FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.
2. COORDINATE INSTALLATION OF BUS WASH EQUIPMENT WITH SUPPLIER INCLUDING ALL WIRING CONDUIT AND CONNECTIONS TO ACCESSORY EQUIPMENT, LIGHTS, SHUT DOWN BUTTONS, SENSORS, LOOPS, AND CONTROLS AS REQUIRED PER MANUFACTURER'S INSTALLATION REQUIREMENTS. VERIFY EXACT REQUIREMENTS IN FIELD.



ELECTRICAL POWER FLOOR PLAN
BUS GARAGE BUILDING A

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

NORTH

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AD-2	06/04/21	ADDENDUM NO. 2

DRAWING
ELECTRICAL POWER FLOOR PLAN
BUS GARAGE
BUILDING A

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

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SHEET
EP101

EM-BUS BARN

TOTAL KW: 5.4	ENCLOSURE: NEMA-1	PHASE: 3Φ	VOLTAGE: 120 / 208
MOUNTING: SURFACE	BUSSING: COPPER	FAULT CURRENT RATING: 22000 AIC	MLO(AMPS): 225
FEEDER: 4 #2 & 1 #8 GRD. - 1 1/2"C.		LOCATION: BUS BARN	

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A*	LOAD B*	LOAD C*	CCT. NO.		LOAD A*	LOAD B*	LOAD C*	C/B TRIP	C/B POLE	LOAD DESCRIPTION
SPARE	20	1				1	2	360			20	1	EXTERIOR LTG NL
SPARE	20	1				3	4		800		20	1	EM LTG
EM LTG	20	1			30	5	6				20	1	SPARE
EM LTG	20	1	1200			7	8				20	1	SPARE
EM LTG	20	1		1000		9	10				20	1	SPARE
EM LTG	20	1			1000	11	12				20	1	SPARE
EM LTG	20	1	1000			13	14				20	1	SPARE
SPARE	20	1				15	16				20	1	SPARE
SPARE	20	1				17	18				20	1	SPARE
SPARE	20	1				19	20				20	1	SPARE
SPARE	20	1				21	22				20	1	SPARE
SPARE	20	1				23	24				20	1	SPARE
SPARE	20	1				25	26				20	1	SPARE
SPARE	20	1				27	28				20	1	SPARE
SPARE	20	1				29	30				20	1	SPARE
SPARE	20	1				31	32				20	1	SPARE
SPARE	20	1				33	34				20	1	SPARE
SPARE	20	1				35	36				20	1	SPARE
SPARE	20	1				37	38				20	1	SPARE
SPARE	20	1				39	40				20	1	SPARE
SPARE	20	1				41	42				20	1	SPARE
			2200	1000	1030			360	800	0			

A= 2,560
B= 1,800
C= 1,030
TOTAL= 5,390

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

AD-1

PP-1-BUS BARN

TOTAL KW: 114.7	ENCLOSURE: NEMA-1	PHASE: 3Φ	VOLTAGE: 120 / 208
MOUNTING: SURFACE	BUSSING: COPPER	FAULT CURRENT RATING: 22000 AIC	MCB(AMPS): 400
FEEDER: 4 500MCM & 1 #3 GRD. - 3"C.		LOCATION: BUS BARN	

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A*	LOAD B*	LOAD C*	CCT. NO.		LOAD A*	LOAD B*	LOAD C*	C/B TRIP	C/B POLE	LOAD DESCRIPTION
DOOR OPEN	20	1	1200			1	2	1600			20	1	BUS HEATER
DOOR OPEN	20	1		1200		3	4		1600		20	1	BUS HEATER
DOOR OPEN	20	1			1200	5	6			1600	20	1	BUS HEATER
DOOR OPEN	20	1	1200			7	8	1600			20	1	BUS HEATER
DOOR OPEN	20	1		1200		9	10		1600		20	1	BUS HEATER
DOOR OPEN	20	1			1200	11	12			1600	20	1	BUS HEATER
DOOR OPEN	20	1	1200			13	14	1600			20	1	BUS HEATER
DOOR OPEN	20	1		1200		15	16		1600		20	1	BUS HEATER
DOOR OPEN	40	1			1200	17	18			1600	20	1	BUS HEATER
DOOR OPEN	20	1	1200			19	20	1600			20	1	BUS HEATER
DOOR OPEN	20	1		1200		21	22		1600		20	1	BUS HEATER
DOOR OPEN	20	1			1200	23	24			1600	30	1	BUS HEATER
DOOR OPEN	20	1	1200			25	26	1600			20	1	BUS HEATER
DOOR OPEN	20	1		1200		27	28		1600		20	1	BUS HEATER
DOOR OPEN	20	1			1200	29	30			1600	20	1	BUS HEATER
DOOR OPEN	20	1	1200			31	32	1600			20	1	BUS HEATER
SPARE	20	1				33	34		1600		20	1	BUS HEATER
BUSH WASH	20				1000	35	36			1600	20	1	BUS HEATER
DOOR OPEN		2	1000			37	38	1600			20	1	BUS HEATER
DOOR OPEN	20	1		1200		39	40		1600		20	1	BUS HEATER
DOOR OPEN	20	1			1200	41	42			1600	20	1	BUS HEATER
DOOR OPEN	20	1	1200			43	44	1600			20	1	BUS HEATER
SPACE						45	46		1600		20	1	BUS HEATER
SPACE						47	48			1600	20	1	BUS HEATER
GEF-7	30	1	2000			49	50	1600			20	1	BUS HEATER
GEF-11	25	1		1656		51	52		1600		20	1	BUS HEATER
TTB	20	1			400	53	54			1600	20	1	BUS HEATER
REC-EXTERIOR	20	1	1000			55	56	1600			20	1	BUS HEATER
REC-EXTERIOR ROOF	20	1		1000		57	58		1600		20	1	BUS HEATER
TEF-5	20	1			528	59	60			1600	20	1	BUS HEATER
F-2	20	1	2000			61	62	1600			20	1	BUS HEATER
ECH-2	25			2000		63	64		1600		20	1	BUS HEATER
		2			2000	65	66			1600	20	1	BUS HEATER
ECH-1	25		2000			67	68	1600			20	1	BUS HEATER
		2		2000		69	70		1600		20	1	BUS HEATER
~~EQ PANEL~~	~~20~~				~~400~~	71	72			1600	20	1	BUS HEATER
UUH-4	60		4350			73	74	1600			20	1	BUS HEATER
		2		4350		75	76		1600		20	1	BUS HEATER
~~SPARE~~	~~20~~					77	78			1600	20	1	BUS HEATER
BUS HEATER	20	1	1600			79	80				20	1	SPARE
SPARE	20	1				81	82				20	1	SPARE
SPARE	20	1				83	84				20	1	SPARE
			2235*	1826	1172			2000	2000	2000			

A= 43,150
B= 39,026
C= 32,528
TOTAL= 114,684

*PROVIDE 100% RATED MAIN CIRCUIT BREAKER

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

AD-2

PP-2-BUS BARN

TOTAL KW: 60.4	ENCLOSURE: NEMA-1	PHASE: 3Φ	VOLTAGE: 120 / 208
MOUNTING: SURFACE	BUSSING: COPPER	FAULT CURRENT RATING: 22000 AIC	MLO(AMPS): 225
FEEDER: 4 #4/0 & 1 #4 GRD. - 2 1/2"C.		LOCATION: BUS BARN	

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A*	LOAD B*	LOAD C*	CCT. NO.		LOAD A*	LOAD B*	LOAD C*	C/B TRIP	C/B POLE	LOAD DESCRIPTION
BUS BARN LIGHTING	20	1	1400			1	2	1000			20	1	WATER SOFTENER
BUS BARN LIGHTING	20	1		1400		3	4		1200		20	1	WATER HEATER
BUS BARN LIGHTING	20	1			1400	5	6			1200	20	1	CONTROL PANEL
BUS BARN LIGHTING	20	1	1400			7	8	1392			20	1	UH-6 & UH-7
BUS BARN LIGHTING	20	1		1400		9	10		1392		20	1	UH-8 & UH-9
BUS BARN LIGHTING	20	1			1400	11	12			1392	20	1	UH-10 & UH-11
BUS BARN LIGHTING	20	1	1400			13	14	1392			20	1	UH-12 & UH-13
BUS BARN LIGHTING	20	1		1400		15	16				20	1	SPARE
BUS BARN LIGHTING	40	1			1400	17	18				20	1	SPARE
BUS BARN LIGHTING	20	1	1400			19	20	1000			20		BUS WASH
BUS BARN LIGHTING	20	1		1400		21	22		1000			2	DOOR OPEN
BUS BARN LIGHTING	20	1			1400	23	24			520	20	1	EXT LIGHTING
BUS BARN LIGHTING	20	1	1400			25	26				20	1	SPARE
BUS BARN LIGHTING	20	1		1400		27	28				20	1	SPARE
BUS BARN LIGHTING	20	1			1400	29	30				20	1	SPARE
BUS BARN LIGHTING	20	1	1400			31	32	2050			25		UUH-1
BUS BARN LIGHTING	20	1		1400		33	34		2050			2	
BUS BARN LIGHTING	20	1			1400	35	36			2050	25		UUH-2
BUS BARN LIGHTING	20	1	1400			37	38	2050				2	
SPARE	20	1				39	40		4350		60		UUH-3
SPARE	20	1				41	42			4350		2	
SPARE	20	1				43	44	2360					
SPARE	20	1				45	46		1800		60	3	EM-BUS BARN
SPARE	20	1				47	48			1030			
SPARE	20	1				49	50				20	1	SPARE
SPARE	20	1				51	52				20	1	SPARE
SPARE	20	1				53	54				20	1	SPARE
SPARE	20	1				55	56				20	1	SPARE
SPARE	20	1				57	58				20	1	SPARE
SPARE	20	1				59	60				20	1	SPARE
SPARE	20	1				61	62				20	1	SPARE
SPARE	20	1				63	64				20	1	SPARE
SPARE	20	1				65	66				20	1	SPARE
SPARE	20	1				67	68				20	1	SPARE
SPARE	20	1				69	70				20	1	SPARE
SPARE	20	1				71	72				20	1	SPARE
SPARE	20	1				73	74				20	1	SPARE
SPARE	20	1				75	76				20	1	SPARE
SPARE	20	1				77	78				20	1	SPARE
SPARE	20	1				79	80				20	1	SPARE
SPARE	20	1				81	82				20	1	SPARE
SPARE	20	1				83	84				20	1	SPARE
			3800	8400	8400			11444	11782	10542			

A= 21,244
B= 20,182
C= 18,942
TOTAL= 60,378

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

PP-1-MAINTENANCE

TOTAL KW: 29.8	ENCLOSURE: NEMA-1	PHASE: 3Φ	VOLTAGE: 120 / 208
MOUNTING: SURFACE	BUSSING: COPPER	FAULT CURRENT RATING: 22000 AIC	MCB(AMPS): 225
FEEDER: 4 #4/0 & 1 #4 GRD. - 2 1/2"C.		LOCATION: MAINT BLDG	

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A*	LOAD B*	LOAD C*	CCT. NO.		LOAD A*	LOAD B*	LOAD C*	C/B TRIP	C/B POLE	LOAD DESCRIPTION
TBB1 - B1Ø4	20	1	400			1	2	1000			20	1	FRIDGE - B1Ø1
MDF - B1Ø4	20	1		1200		3	4		400		20	1	COUNTER
MDF - B1Ø4	20	1			1200	5	6			400	20	1	COUNTER
REC - B1Ø3	20	1	800			7	8	800			20	1	REC - B1Ø4, B1Ø5 & B1Ø6
AV - B1Ø3	20	1		1000		9	10		600		20	1	REC - B1Ø4, B1Ø5 & B1Ø6
AV - B1Ø3	20	1			1000	11	12			600	20	1	REC - B1Ø4 & B1Ø5
REC - B1Ø1 & B1Ø2	20	1	800			13	14	800			20	1	REC - EXTERIOR
ELVC - B1Ø5 & B1Ø6	20	1		1200		15	16		1200		20	1	DOOR OPEN
BAS - B1Ø4	20				600	17	18			1200	20	1	DOOR OPEN
UH-2 B1Ø4	40		3000			19	20	1200			20	1	DOOR OPEN
		2		3000		21	22		728		20	1	GEF-10 - B1Ø4
UH-3 - B1Ø4	20	1			1572	23	24			2000	30	1	GEF-4 - B1Ø5
UH-4 - B1Ø5	20	1	1572			25	26				20	1	SPARE
UH-5 - B1Ø6	20	1		1572		27	28	528			20	1	TEF-4 - B1Ø1
SPARE	20	1				29	30		2132		30		PTAC-1
SPARE	20	1				31	32			2132		2	
SPARE	20	1				33	34	900			20	1	LTG
SPARE	20	1				35	36		900		20	1	LTG
SPARE	20	1				37	38			900	20	1	LTG
SPARE	20	1				39	40				20	1	SPARE
SPARE	20	1				41	42				20	1	SPARE
SPARE	20	1				43	44	2560					
SPARE	20	1				45	46		1800		60	3	EM-MAINTENANCE
SPARE	20	1				47	48			1030			
SPARE	20	1				49	50				20	1	SPARE
SPARE	20	1				51	52				20	1	SPARE
SPARE	20	1				53	54				20	1	SPARE
SPARE	20	1				55	56				20	1	SPARE
SPARE	20	1				57	58				20	1	SPARE
SPARE	20	1				59	60				20	1	SPARE
			6572	7372	4372			3800	2928	4200			

A= 10,372
B= 10,300
C= 8,572
TOTAL= 29,844

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

EM-MAINTENANCE

TOTAL KW: 2.7	ENCLOSURE: NEMA-1	PHASE: 3Φ	VOLTAGE: 120 / 208
MOUNTING: SURFACE	BUSSING: COPPER	FAULT CURRENT RATING: 22000 AIC	MLO(AMPS): 225
FEEDER: 4 #2 & 1 #8 GRD. - 1 1/2"C.		LOCATION: MAINT BLDG	

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD A*	LOAD B*	LOAD C*	CCT. NO.		LOAD A*	LOAD B*	LOAD C*	C/B TRIP	C/B POLE	LOAD DESCRIPTION
FACP - B1Ø4	20	1	600			1	2				20	1	SPARE
FACP - B1Ø4	20	1		600		3	4				20	1	SPARE
EXTIOR LTG	20	1			300	5	6				20	1	SPARE
EXIT	20	1	20			7	8				20	1	SPARE
EM LTG	20	1		1200		9	10				20	1	SPARE
SPARE	20	1				11	12				20	1	SPARE
SPARE	20	1				13	14				20	1	SPARE
SPARE	20	1				15	16				20	1	SPARE
SPARE	20	1				17	18				20	1	SPARE
SPARE	20	1				19	20				20	1	SPARE
SPARE	20	1				21	22				20	1	SPARE
SPARE	20	1				23	24				20	1	SPARE
SPARE	20	1				25	26				20	1	SPARE
SPARE	20	1				27	28				20	1	SPARE
SPARE	20	1				29	30				20	1	SPARE
SPARE	20	1				31	32				20	1	SPARE
SPARE	20	1				33	34				20	1	SPARE
SPARE	20	1				35	36				20	1	SPARE
SPARE	20	1				37	38				20	1	SPARE
SPARE	20	1				39	40				20	1	SPARE
SPARE	20	1				41	42				20	1	SPARE
			620	1800	300			0	0	0			

A= 620
B= 1,800
C= 300
TOTAL= 2,720

NOTE: REFER TO GENERAL NOTE "B" FOR ADDITIONAL INFORMATION

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PROJECT
20-141
DATE
05/17/21
COORDINATED BY
JC
DRAWN BY
RH/GL/LvB
CHECKED BY
DJ

DAVID G. JARNEY
REGISTERED
NO.
10302590
STATE OF
INDIANA
PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	05/28/21	ADDENDUM NO. 1
AD-2	06/04/21	ADDENDUM NO. 2

DRAWING
ELECTRICAL SCHEDULES

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
E-603