ADDENDUM
NO. 1

May 28, 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 1-1 and attached Addendum No. 1 from Gibraltar Design dated May 27, 2021 and consisting of 5 pages and 48 drawings.

A. SPECIFICATION SECTION 00 31 00 - BID FORM

1. **Replace:**

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

B. SPECIFICATION SECTION 01 23 00 - ALTERNATES

1. **Revise:**

   ALTERNATE NO. 2: State the cost to provide (2) HVAC Units on Bus Garage, deletion of Unit Heaters suspended from structure throughout the main Garage area, including all supports and power connections. Deletion General Exhaust Fans #5 and #6 and associated 48x20 outside air intake louvers throughout main Garage Area (total of 7), including Automatic Dampers, power connections and temperature control connections.

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)

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 ONE

Addendum One (AD.01) to the drawings and specifications prepared by Gibraltar Design and The Skillman Corporation for **Hanover New Resource Center** 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 include the appropriate content of same within their bid proposal.

SPECIFICATIONS

1. Specification Section 13 34 19 Metal Building Systems

A. Add Paragraph 1.2 F.7 to read:

"7. Section 23 05 00 – Mechanical Materials and Methods (Paragraph 2.5 Roof Curbs, Supports and Flashings."

B. Add Paragraph 1.7 B. to read:

"B. Weathertightness Warranty:
Furnish manufacturer's standard written warranty in which manufacturer agrees to repair or replace metal building system components that fail to remain weathertight, including any roof leaks due to ordinary wear and tear by the elements within twenty (20) years from the date of Substantial Completion."

C. Add Paragraph 3.6 to read:

"3.6 PREFABRICATED ROOF CURB INSTALLATION

A. Comply with metal building manufacturer's shop drawings, instructions, and recommendations for installation of roof curbs. Refer to metal building system manufacturer's standard installation details. Anchor curbs securely in place with provisions for thermal and structural movement.

B. Submit roof curb manufacturer's shop drawings to metal building manufacturer for review prior to fabrication (refer to metal building manufacturer's standard installation details). Metal building manufacturer will review roof curb manufacturer's shop drawings for compatibility with metal building roof system.

1. See Section 23 05 00; Paragraph 2.5."

DRAWINGS

2. Sheet C-2.1

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

1. Proposed legend description revised to Asphalt Sidewalk.

3. Sheet C-3.1

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

1. Watermain along US 41 running North-south is hatched out – it is not part of package.

4. Sheet C-4.1

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

1. FES #60 and FES #61 are added near the Maintenance Building.

5. Sheet C-6.0

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

1. Revised Fence/Gate detail.
2. Updated Pipe Bollard Detail.

6. Sheets SB101, SB102 and SB103

B. Refer to three (3) revised Full Size Drawing Sheets included in this Addendum for the following revisions:

1. Floor drain section cuts revised to be coordinated with plumbing plans.
2. Add oil separator floor pit to the slab plan and coordinate with adjacent footing depths by verifying size with plumbing plans.
3. Add mechanical equipment exterior concrete support pads.
4. On SB101 only, revise section cut 16B/S-301 near Grid A-3 to 17/S-301.

7. Sheet LB101

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

1. Revise section cuts layout for Resource Center Building – (3) Canopy Framing Plans.
2. Revise section cut label for "Maintenance Building – Lintel Plan" and Bus Garage Building – Canopy Roof Framing Plan".
3. Revise lintel plan layout for "Bus Garage Building – Lintel Plan".

8. Architectural Floor Plans

A. Revise Plan Note #68 to read: "AUTOMATIC DOOR ACTUATOR FOR HC/ADA DOOR OPERATOR. COORDINATE WITH DOOR SCHEDULE AND ELECTRICAL. PROVIDE CONDUIT AND BOX IN MASONRY PIER, GYPSUM BOARD WALL."

9. Sheet A-102

A. Refer to revised full size drawing included in this addendum for the following revisions: Detail 1/A-102:

1. Section target through canopy at Vestibule A-102 should read "1/A-403".
2. Delete Baby Changing Table Symbol "W" from Men A-107 and Women A-109.

10. Sheet A-103

A. Refer to revised full size drawing included in this addendum for revisions.

11. Sheets A-102, A-103, A-105, A-109, A-502

A. Restroom Plan Notes: Baby Changing Table Note "W": Delete "(OFCI)".

12. Sheets A-104, A-105, A-107, A-108, A109

A. Provide fire extinguishers and cabinets in locations as indicated on five (5) revised full-size drawings, included in this Addendum.

13. Sheets A-107, A-108, A-109

A. Revise location of automatic door actuator in Vestibules D-106, D-134 and D-147 as indicated on three (3) revised full size drawings, included in this Addendum.

14. Sheet A-201 and A-301

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

15. Sheet A-304

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

16. Sheet A-409 and A-410

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

17. Sheet A-502

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

1. Delete Baby Changing Table from MEN D-128 and WOMEN D-129.

18. Sheets A-701, A-703, A-705

B. Refer to three (3) revised full size drawings included in this Addendum for revisions.

19. Sheets A-720 and A-721

A. Refer to two (2) revised full size drawings included in this Addendum for revisions.

20. Sheet A-801 through A-804

A. Refer to four (4) revised full size drawings included in this Addendum for revisions.

21. Sheet A-810

A. Refer to revised full size drawing included in this Addendum for revisions.

22. Sheet A-904

A. Refer to revised full size drawing included in this Addendum for the following revisions:

1. Add suspended acoustical tile ceiling ACT-1 to Rooms: LOBBY D-109, STOR D-123, ELEC D-146, PASSAGE D-150 and DISTRICT STORAGE D-152.

23. Sheet M-101

A. REVISED floor plan per wall change. Refer to revised drawing for additional information.

24. Sheet P-001

A. ADDED model number for SD-1 sediment basin. Refer to revised drawing for additional information.

25. Sheet FP-101

A. REVISE sprinkler head quantities and location. Refer to revised drawing for additional information.

26. Sheet E-001

A. REVISE Symbol List descriptions. Refer to revised drawing for additional information.

27. Sheet EL-101

A. REVISE lighting quantities, locations and circuiting. Refer to revised drawing for additional information.

28. Sheet EL-102

A. REVISE lighting quantities, locations and circuiting. Refer to revised drawing for additional information.

29. Sheet EL-103

A. REVISE lighting quantities, locations and circuiting. Refer to revised drawing for additional information.

30. Sheet EL-104

A. REVISE lighting quantities, locations and circuiting. Refer to revised drawing for additional information.

31. Sheet EP-101

A. REVISE Power device and equipment locations, quantities and circuiting. Refer to revised drawing for additional information.

B. ADD Notes for Alternate #2 to roof top units.

32. Sheet EP-102

A. REVISE Power device and equipment locations, quantities and circuiting. Refer to revised drawing for additional information.

33. Sheet EP-103

A. REVISE Power device and equipment locations, quantities and circuiting. Refer to revised drawing for additional information.

B. Revise Lift disconnect notes on alternate #1 floor plan.

34. Sheet EP-104

A. REVISE Power device and equipment locations, quantities and circuiting. Refer to revised drawing for additional information.

35. Sheet E-502

A. REVISED & ADDED Fixtures in Luminaire Schedule. Refer to revised drawing for additional information.

36. Sheet E-503

A. REVISE Electric Cord Reel Detail and Emergency Generator Wiring Schematic. Refer to revised drawing for additional information.

37. Sheet E-602

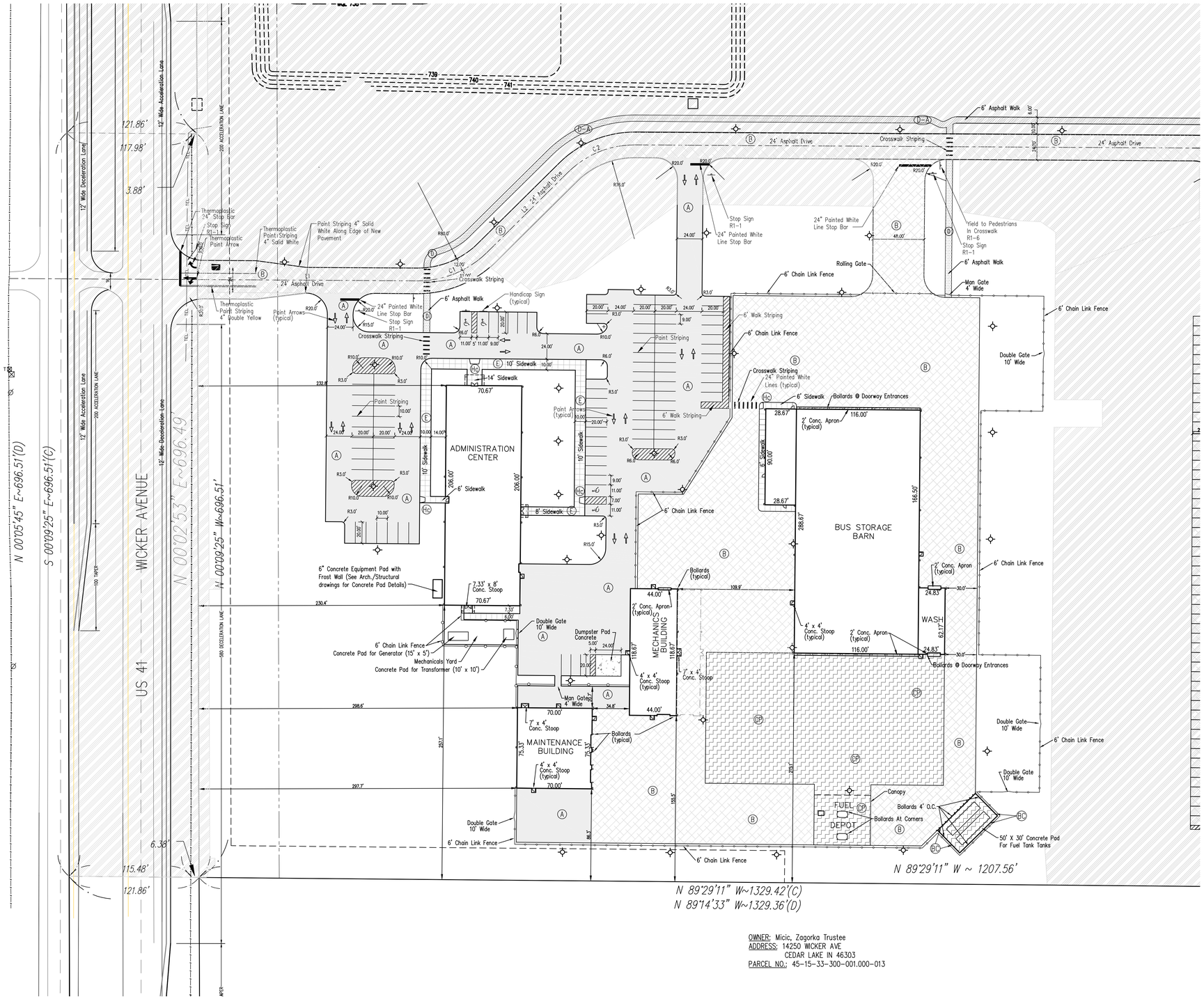
A. ADDED model number for SD-1 sediment basin. Refer to revised drawing for additional information.

38. Sheet E-603

A. REVISED floor plan per wall change. Refer to revised drawing for additional information.

Pages 1 through 5, inclusive, and forty-eight (48) full-size Drawings constitute the total makeup of **Addendum One**.

Y:\20-141 Hanover CSC - New Resource Center\Specs\Addendum #1\AD01.doc



OWNER: Micic, Zagorka Trustee
ADDRESS: 14250 WICKER AVE
CEDAR LAKE IN 46303
PARCEL NO.: 45-15-33-300-001.000-013

LEGEND:

PROPOSED

- (A) TYPICAL ASPHALT
- (B) HEAVY DUTY ASPHALT
- (CP) CONCRETE PAVEMENT
- (D) ASPHALT SIDEWALK — AD-1
- (E) CONCRETE SIDEWALK
- (BC) BARRIER CURB
- (Hc) HANDICAP ACCESS RAMP
- PAINTED LINES FOR PARKING/TRAFFIC
- LIGHT POLE
- STREET SIGN WITH MUTCD INDOT DESIGNATION
- HATCHED AREAS INDICATE NO WORK IN THIS AREA AND IS NOT PART OF THIS PROJECT.

NORTH
GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

TORRENGA ENGINEERING, INC.
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PROJECT 20-141
DATE 05/14/21
COORDINATED BY DCT
DRAWN BY DCT/NM/EM
CHECKED BY DCT

DONALD C. TORRENGA REGISTERED No. 19868 STATE OF INDIANA PROFESSIONAL ENGINEER

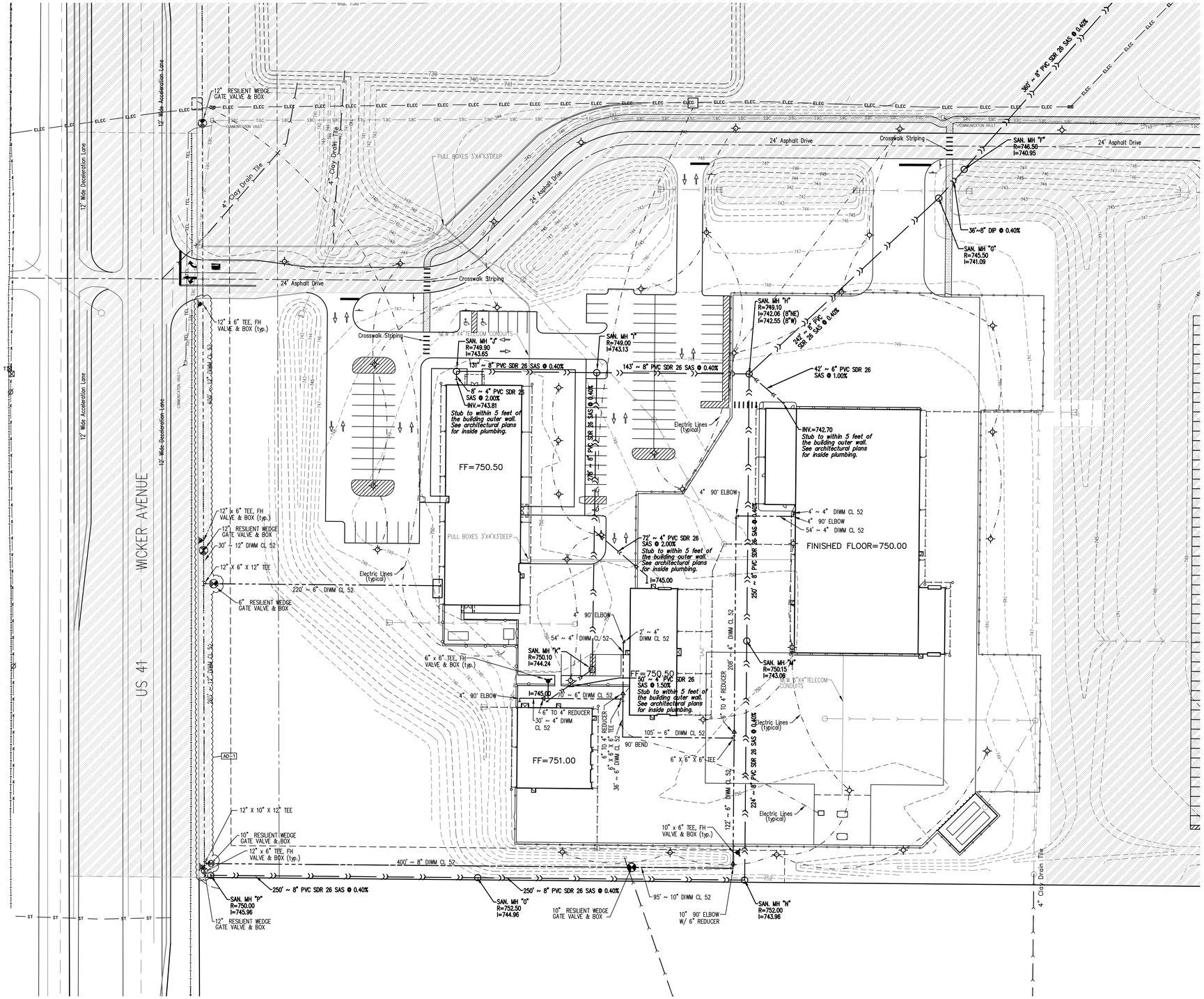
REVISIONS

MARK	DATE	ISSUED FOR
AD-1	05/27/2021	ADDENDUM NO. 1

DRAWING
SITE PLAN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
C-2.1



LEGEND:

PROPOSED

- FIRE HYDRANT
- WATER GATE VALVE & BOX
- WATER MAIN
- SANITARY SEWERS
- STORM SEWERS
- CONTOURS
- HATCHED AREAS INDICATE NO WORK IN THIS AREA AND IS NOT PART OF THIS PROJECT.

NORTH

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
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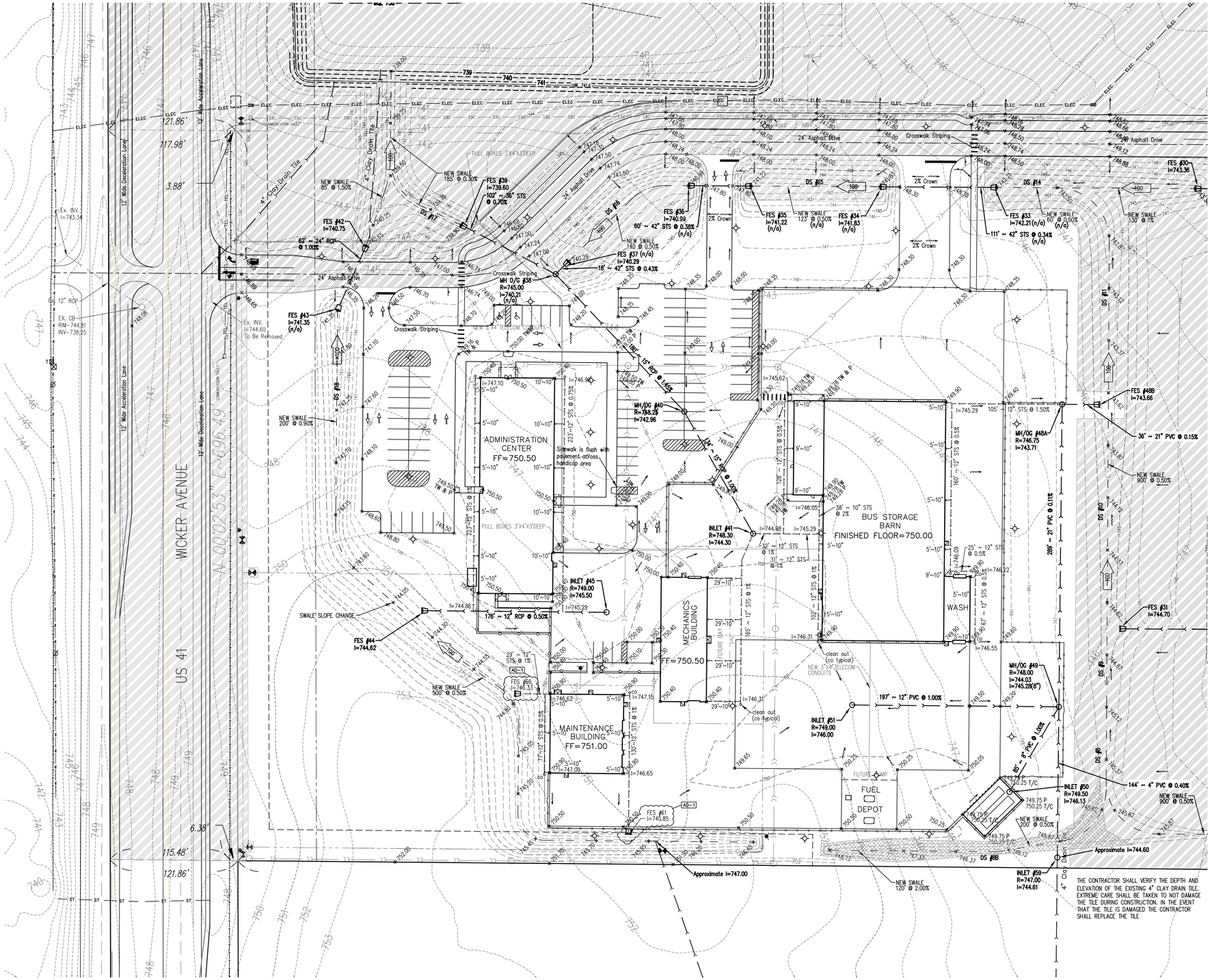
REVISIONS

MARK	DATE	ISSUED FOR
AD-1	05/27/2021	ADDENDUM NO. 1

DRAWING
SANITARY SEWERS & WATER MAIN PLAN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
C-3.1



NOTE:

1) The Contractor is responsible to verify all existing site conditions and shall notify the Architect/Engineer immediately of any discrepancies between the existing conditions and all proposed improvements in the construction drawings.

2) All drain tiles found to be actively servicing off-site/adjacent properties shall be tied into the proposed stormwater management system. All drain tiles that solely service the subject property or are considered no longer functioning shall be removed in their entirety. Non-active drain tiles shall not be abandoned in place.

3) The USDA Soil Survey shows Pewamo Silty Clay in some areas of the site. If unsuitable material is found in this area it shall be removed to an approved depth and replaced with acceptable sub base material.

4. The Contractor is responsible for all tree and shrub removal on the Project Site.

THE CONTRACTOR SHALL VERIFY THE DEPTH AND ELEVATION OF THE EXISTING 4" CLAY DRAIN TILE. EXTREME CARE SHALL BE TAKEN TO NOT DAMAGE THE TILE DURING CONSTRUCTION. IN THE EVENT THAT THE TILE IS DAMAGED THE CONTRACTOR SHALL REPLACE THE TILE

LEGEND
PROPOSED

- MANHOLE
- CATCH BASIN/INLET
- FIRE HYDRANT
- WATER VALVE
- GRADE PROPOSED
- FG=000.00 FINISHED GRADE
- STORM SEWER
- SANITARY SEWER
- WATER MAIN
- (n/a) CONSTRUCTED UNDER SEPARATE CONTRACT
- HATCHED AREAS INDICATE NO WORK IN THIS AREA AND IS NOT PART OF THIS PROJECT.

NORTH
GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

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PROJECT
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PROJECT 20-141
DATE 05/14/21
COORDINATED BY DCT
DRAWN BY DCT/NM/EM
CHECKED BY DCT

DONALD C. TORRENGA 19868 STEVEN No. 19868 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	05/27/2021	ADDENDUM NO. 1

DRAWING
STORM SEWERS & GRADING PLAN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

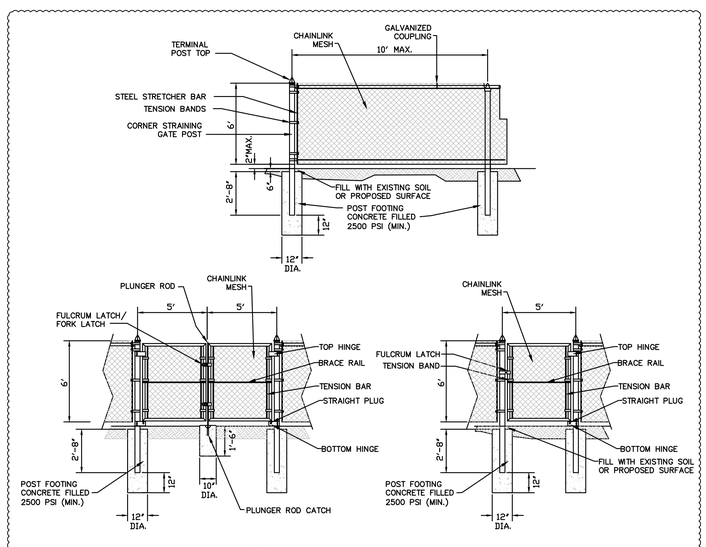
SHEET
C-4.1

STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	CASTING TYPE	LENGTH & SLOPE	RIM ELEVATION	INVERT UPSTREAM	INVERT DOWNSTREAM	REMARKS
STR #1	Outlet Structure	Neenah R-1713	Ex. 12" RCP	744.00	739.51	739.15	Connect to EX. 12" RCP
STR #1B	FES		16' ~ 12" PVC @ 0.50%		740.10	740.03	Connect to STR#1
STR #2	Outlet Structure	Neenah R-1713	Ex. 12" RCP	745.66	740.03	739.29	Connect to EX. 12" RCP
STR #2B	FES		16' ~ 12" PVC @ 0.50%		741.06	740.97	Connect to STR#2
STR #3	Outlet Structure	Neenah R-1713	17' ~ 12" RCP @ 0.50%	744.00	739.43	739.37	Connect to FES #4
STR #3B	FES		16' ~ 12" PVC @ 0.50%		739.80	739.73	Connect to STR#3
STR #4	FES				739.37		
STR #5	FES				739.00		
STR #6	MH / OG	Neenah R-2561	335' ~ 36" RCP @ 0.50%	747.00	739.00	738.00	Connect to STR #5
STR #7	FES		16' ~ 24" RCP @ 1.00%		742.00	741.85	Connect to STR #6
STR #8	FES					744.57	
STR #9	MH / OG	Neenah R-2561	116' ~ 12" PVC @ 0.50%	747.50	746.04	744.75	Connect to STR #8
STR #10	FES					745.55	
STR #11	FES					746.27	
STR #12	FES		16' ~ 24" RCP @ 1.00%		746.34	746.12	Connect to STR #6
STR #13	FES					741.10	
STR #14	FES		50' ~ 24" RCP @ 0.70%		741.14	740.77	Connect to STR #13
STR #15	FES					741.55	
STR #16	MH / OG	Neenah R-2561	10' ~ 24" RCP @ 0.70%	746.00	741.60	741.55	Connect to STR #15
STR #17	MH / OG	Neenah R-2561	50' ~ 24" RCP @ 0.35%	746.00	742.07	741.80	Connect to STR #16
STR #18	Inlet	Neenah R-2561	30' ~ 18" RCP @ 0.78%	746.00	742.63	742.07	Connect to STR #17
STR #19	FES		50' ~ 24" RCP @ 0.32%		742.20	742.07	Connect to STR #17
STR #20	FES					744.50	
STR #21	MH / OG	Neenah R-2561	108' ~ 12" RCP @ 1.00%	750.00	745.00	744.50	Connect to STR #20
STR #22	FES					740.40	
STR #23	FES		30' ~ 15" RCP @ 1.00%		744.69	743.49	Connect to STR #22
STR #24	FES					745.55	
STR #25	FES					745.70	
STR #26	MH / OG	Neenah R-2561	170' ~ 12" RCP @ 0.50%	750.00	746.27	745.70	Connect to STR #25
STR #27	FES		30' ~ 12" RCP @ 0.70%		746.60	744.50	Connect to STR #26
STR #28	FES					744.50	
STR #29	FES		50' ~ 15" RCP @ 1.00%		744.15	743.96	Connect to STR #28
STR #30	FES				749.36		
STR #31	FES					744.70	
STR #32	Inlet	Neenah R-2070, Type D	303' ~ 18" RCP @ 0.30%	750.50	745.70	744.70	Connect to STR #31
STR #33	FES		111' ~ 12" STC @ 0.34%		746.21	741.83	Connect to STR #31
STR #34	FES					741.83	
STR #35	FES		50' ~ 12" STC @ 0.30%		741.22	740.85	Connect to STR #34
STR #36	FES					740.92	
STR #37	FES		10' ~ 12" STC @ 0.40%		740.20	740.21	Connect to STR #36
STR #38	MH / OG	Neenah R-2561	102' ~ 15" RCP @ 0.30%	745.00	740.21	739.55	Connect to STR #39
STR #39	FES					739.90	
STR #40	MH/OG	Neenah R-2070, Type D	180' ~ 15" RCP @ 1.45%	748.25	742.96	740.35	Connect to STR #38
STR #41	INLET INDOT Type R	INDOT Type 13	134' ~ 15" RCP @ 1.00%	748.30	744.30	742.96	Connect to STR #40
STR #42	FES					740.85	
STR #43	FES		60' ~ 24" RCP @ 1.00%		741.35	740.75	Connect to STR #42
STR #44	FES					744.62	
STR #45	Inlet	Neenah R-2070, Type D	176' ~ 12" RCP @ 0.50%	749.00	745.50	744.62	Connect to STR #44
STR #48B	FES					743.66	
STR #48A	MH/OG	Neenah R-2070, Type D	36' ~ 21" PVC @ 0.15%	746.75	743.71	743.66	Connect to STR #48B
STR #49	MH / OG	Neenah R-2561	289' ~ 21" PVC @ 0.11%	748.00	744.03	743.71	Connect to STR #48A
STR #50	INLET	Neenah R-2070, Type D	85' ~ 8" PVC @ 1.00%	749.50	746.13	745.28	Connect to STR #49
STR #51	INLET INDOT Type R	INDOT Type 13	197' ~ 12" PVC @ 1.00%	749.00	746.00	744.03	Connect to STR #49
STR #52	MH / OG	Neenah R-2561	301' ~ 21" RCP @ 0.14%	749.00	745.57	745.21	Connect to STR #51
STR #53	MH / OG	Neenah R-2561	267' ~ 18" RCP @ 0.18%	749.00	744.13	743.57	Connect to STR #52
STR #54	INLET	Neenah R-2561	90' ~ 12" RCP @ 0.28%	749.50	744.59	744.13	Connect to STR #53
STR #55	MH / OG	Neenah R-2561	119' ~ 15" RCP @ 0.28%	749.00	744.44	744.13	Connect to STR #53
STR #56	Inlet	Neenah R-2561	139' ~ 12" RCP @ 0.35%	749.60	744.75	744.44	Connect to STR #55
STR #57	Outlet Structure	Neenah R-1713	Ex. 18" RCP	744.86	738.00		Connect to EX. 18" RCP
STR #57B	FES		30' ~ 12" PVC @ 0.50%		738.00	737.90	Connect to STR #57
STR #58	Outlet Structure	Neenah R-1713	Ex. 12" RCP	749.26	736.54	736.46	Connect to EX. 12" RCP
STR #58B	FES		16' ~ 12" PVC @ 0.50%		738.00	737.60	Connect to STR #58
STR #59	INLET	Neenah R-2561	144' ~ 4" PVC @ 0.40%	747.00	744.60	744.03	Connect to STR #49
STR #60	INLET	Neenah R-2561	44' ~ 12" RCP @ 0.25%	745.50	741.00	741.74	Connect to STR #61
STR #61	MH / OG	Neenah R-2561	30' ~ 12" RCP @ 0.25%	745.00	741.74	741.66	Connect to STR #16

THE CONTRACTOR CAN SUBSTITUTE THE EQUIVALENT TYPE OF CASTING FOR EJIW

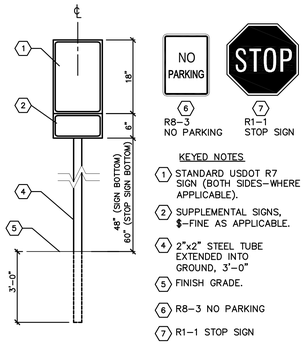
THIS SCHEDULE IS PROVIDED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR AND SUPPLIER AND SHOULD BE VERIFIED WITH THE ENGINEERING PLANS BEFORE STRUCTURES ARE ORDERED



NOTES:
1) THE ROLLING GATE ACROSS THE ENTRANCE AREA SHALL BE CONSTRUCTED OF CHAIN LINK DESIGNED TO FIT THE OPENING BY HOOVER FENCE COMPANY, 4521 WARREN RAVENNA ROAD, NEWTON FALLS, OH 44444. (330) 358-2335.

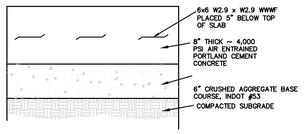
FENCE/GATE DETAIL
NOT TO SCALE

AD-1



KEYED NOTES
1. STANDARD USDOT R7 SIGN (BOTH SIDES-WHERE APPLICABLE).
2. SUPPLEMENTAL SIGNS, $-FINE AS APPLICABLE.
4. 2"x2" STEEL TUBE EXTENDED INTO GROUND, 3'-0"
5. FINISH GRADE.
6. R8-3 NO PARKING
7. R1-1 STOP SIGN

SIGN AND POST (FREE STANDING)
NOT TO SCALE

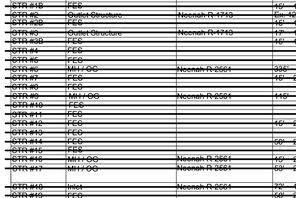


CONCRETE PAVEMENT SECTION DETAIL
NOT TO SCALE

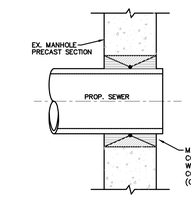
NOTES:
1. WHERE FILL IS REQUIRED, SUBGRADE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 METHOD OF TESTING.
2. THE CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY PONDING PROBLEMS THAT MAY OCCUR AFTER THE FINAL SURFACE IS LAID.

NOTES:
1. WHERE FILL IS REQUIRED, SUBGRADE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 METHOD OF TESTING.

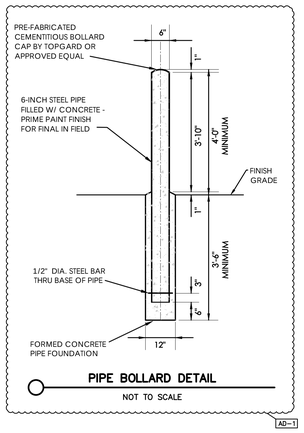
ASPHALT PAVEMENT SECTION
(NO SCALE)



BARRIER CURB TYPE D
NOT TO SCALE

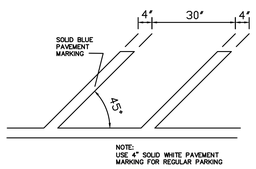


PIPE CONNECTION DETAIL TO EXISTING MANHOLE
NOT TO SCALE



PIPE BOLLARD DETAIL
NOT TO SCALE

AD-1



NOTE:
USE 4" SOLID WHITE PAVEMENT MARKING FOR REGULAR PARKING

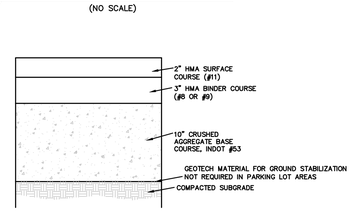
ACCESSIBILITY AND PARKING STRIPING DETAIL
NOT TO SCALE

NOTE (R7 SIGN): THIS IS A STANDARD SIGN AND MAY BE ORDERED FROM ANY TRAFFIC SIGN SUPPLIER BY NUMBER. THE SIGN MUST BE SUPPLEMENTED WITH AMOUNT OF THE FINE FOR ILLEGALLY PARKING IN THE RESERVED SPACE(S) A MUNICIPALITY MAY IMPOSE. CONFIRM WITH LOCAL REGULATIONS.

ACCESSIBILITY SIGNAGE
NOT TO SCALE

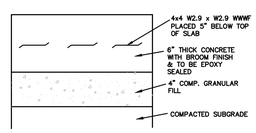
Figure 43a
INTERNATIONAL SYMBOL OF ACCESSIBILITY PROPORTIONS
NOT TO SCALE

Figure 4b
INTERNATIONAL SYMBOL OF ACCESSIBILITY DISPLAY CONDITIONS
NOT TO SCALE



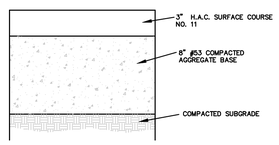
NOTES:
1. WHERE FILL IS REQUIRED, SUBGRADE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 METHOD OF TESTING.

(PARKING LOT) HEAVY DUTY ASPHALT PAVEMENT SECTION
(NO SCALE)

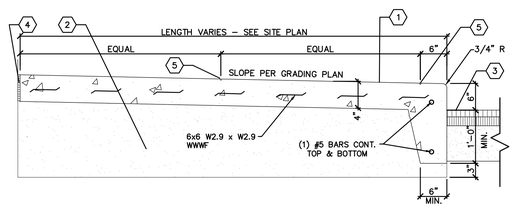


DUMPSTER PAD
NOT TO SCALE

NOTES:
1. WHERE FILL IS REQUIRED, SUBGRADE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 METHOD OF TESTING.
2. THE CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY PONDING PROBLEMS THAT MAY OCCUR AFTER THE FINAL SURFACE IS LAID.



LIGHT DUTY PAVEMENT (PLAY AREA) ASPHALT PAVEMENT SECTION
NOT TO SCALE



KEYED NOTES
1. 4" THICK CONC. BROOM FINISH WITH 6X6 W2.9XW2.9 WWWF
2. 6" COMPACTED GRANULAR FILL
3. PROPOSED PAVEMENT
4. COMPRESSIBLE FILLER (3/4" MAXIMUM). CUT BACK AND PROVIDE SEALANT, TYPICAL, AT ALL JOINTS WITH FILLER. (BUTTING BUILDING ONLY)
5. 1/4" TOOLED JOINT (SEE TYPICAL SIDEWALK DETAIL)

TYPICAL PERIMETER SIDEWALK
NOT TO SCALE

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

TORRENGA ENGINEERING, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
907 RIDGE ROAD
MUNSTER, IN 46321
T: (219) 836-8918
F: (219) 836-1138

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Email info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-141
DATE 05/14/21
COORDINATED BY DCT
DRAWN BY DCT/NM/EM
CHECKED BY DCT

DONALD C. TORRENGA REGISTERED No. 19868 STATE OF INDIANA PROFESSIONAL ENGINEER

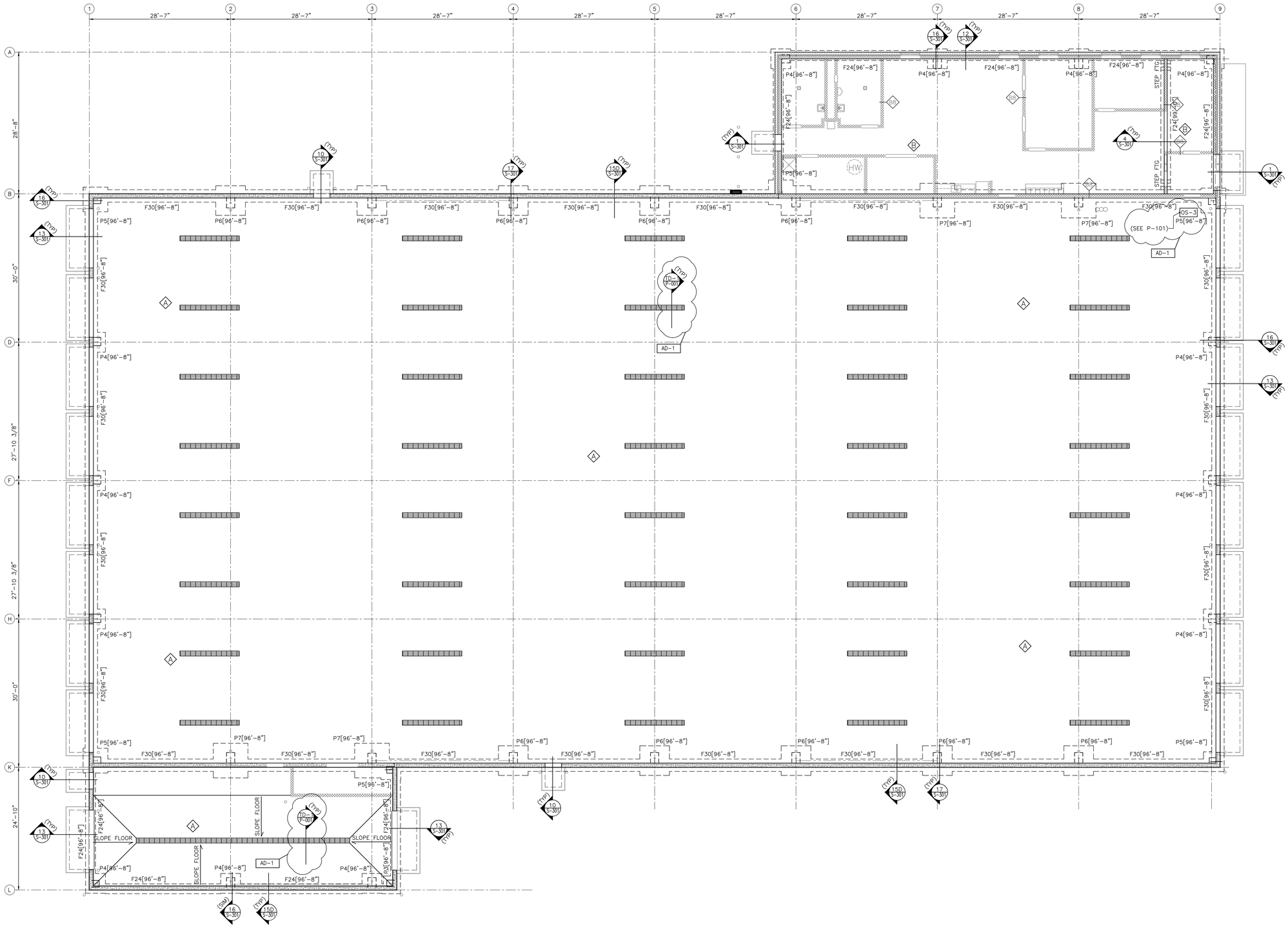
REVISIONS

MARK	DATE	ISSUED FOR
AD-1	05/27/2021	ADDENDUM NO. 1

DRAWING
DETAILS AND SPECIFICATIONS

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
C-6.0



BUS GARAGE - STRUCTURAL FOUNDATION PLAN

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

NORTH

FOUNDATION/SLAB PLAN NOTES

1. SEE SHEET S-001 FOR GENERAL NOTES, STRUCTURAL LEGEND, SCHEDULES AND TYPICAL DETAILS.
2. ALL ELEVATIONS ARE REFERENCED FROM A FINISH FLOOR ELEVATION OF 100'-0" PER AREA. SEE PLAN AND VERIFY WITH ARCHITECTURAL FLOOR PLANS
3. SLAB CONTROL AND CONSTRUCTION JOINTS ARE TO BE LAID OUT PER CONTRACTOR PLANNED SEQUENCE OF COMPLETION. (SEE SPECIFICATION)
4. SEE S-301 AND S-302 FOR FOUNDATION AND FRAMING DETAILS.

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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
DRAWN BY
CHECKED BY

ROGER MALONE REGISTERED NO. PE 19800200 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS

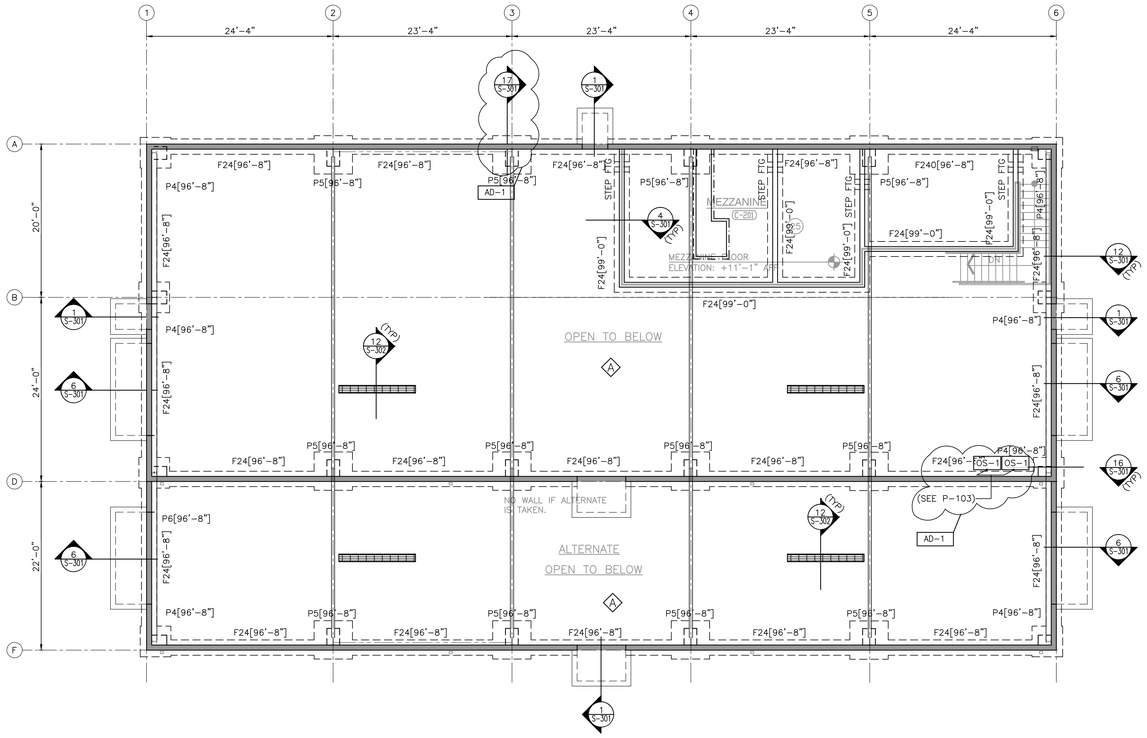
MARK	DATE	ISSUED FOR
AD-1	05/28/21	ADDENDUM NO. 1

DRAWING
STRUCTURAL FOUNDATION PLAN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
SB101

Friday, 5/28/2021 – 9:19 AM – LAST SAVED BY:RMALONE
Y:\20-141 HANOVER CSC – NEW RESOURCE CENTER\20-141 DRAWINGS\04 STRC\SB101A.DWG



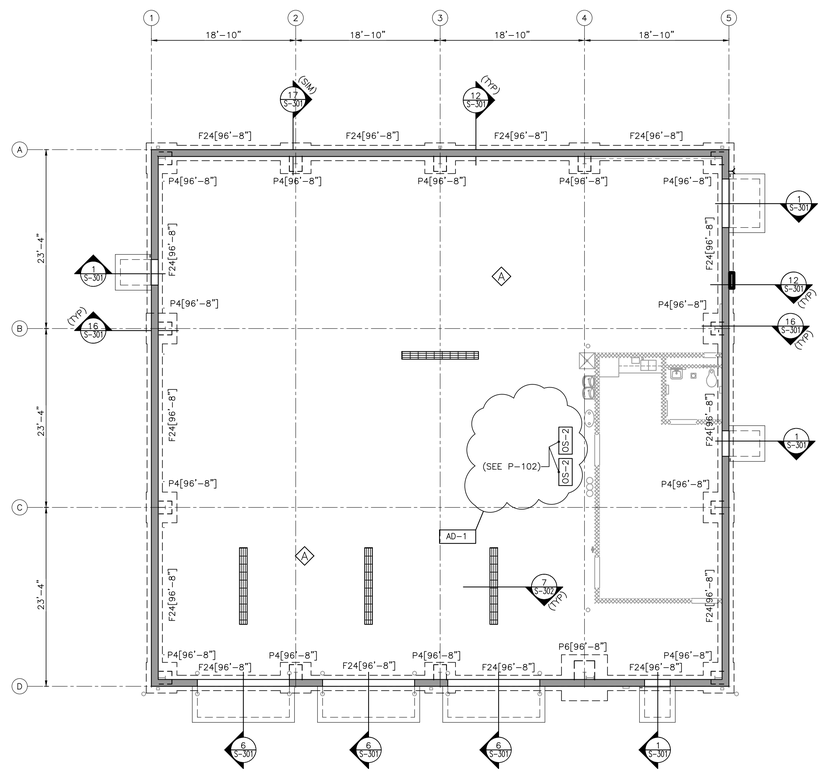
MECHANICS BUILDING - STRUCTURAL FOUNDATION PLAN

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

NORTH

FOUNDATION/SLAB PLAN NOTES

1. SEE SHEET S-001 FOR GENERAL NOTES, STRUCTURAL LEGEND, SCHEDULES AND TYPICAL DETAILS.
2. ALL ELEVATIONS ARE REFERENCED FROM A FINISH FLOOR ELEVATION OF 100'-0" PER AREA. SEE PLAN AND VERIFY WITH ARCHITECTURAL FLOOR PLANS
3. SLAB CONTROL AND CONSTRUCTION JOINTS ARE TO BE LAID OUT PER CONTRACTOR PLANNED SEQUENCE OF COMPLETION. (SEE SPECIFICATION)
4. SEE S-301 AND S-302 FOR FOUNDATION AND FRAMING DETAILS.



MAINTENANCE BUILDING - STRUCTURAL FOUNDATION PLAN

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

NORTH

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HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

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PROJECT 20-141
DATE 05/17/21
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REVISIONS

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

DRAWING
STRUCTURAL FOUNDATION PLAN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
SB102

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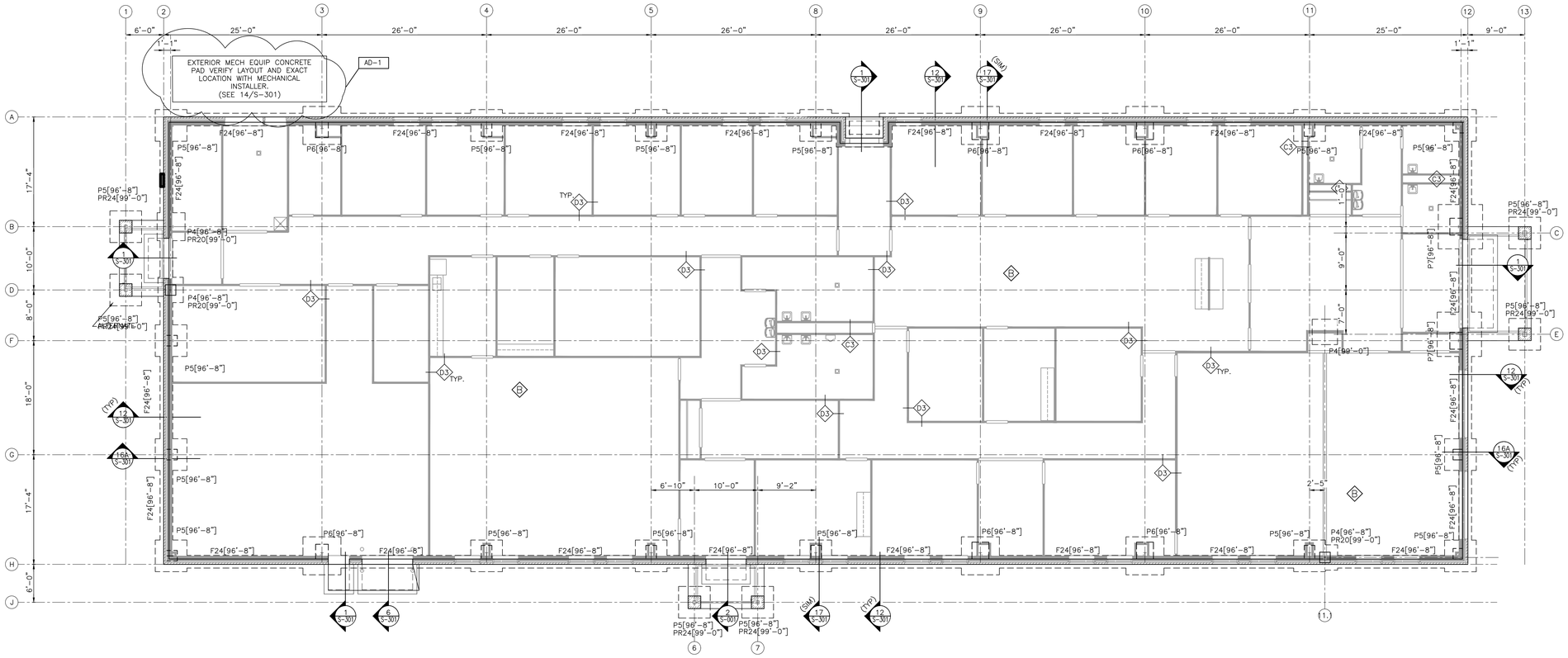
Y:\20-141 HANOVER CSC - NEW RESOURCE CENTER\20-141 DRAWINGS\04 STRC\SB101A.DWG



RESOURCES CENTER - FOUNDATION PLAN

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

NORTH

FOUNDATION/SLAB PLAN NOTES

1. SEE SHEET S-001 FOR GENERAL NOTES, STRUCTURAL LEGEND, SCHEDULES AND TYPICAL DETAILS.
2. ALL ELEVATIONS ARE REFERENCED FROM A FINISH FLOOR ELEVATION OF 100'-0" PER AREA. SEE PLAN AND VERIFY WITH ARCHITECTURAL FLOOR PLANS
3. SLAB CONTROL AND CONSTRUCTION JOINTS ARE TO BE LAID OUT PER CONTRACTOR PLANNED SEQUENCE OF COMPLETION. (SEE SPECIFICATION)
4. SEE S-301 AND S-302 FOR FOUNDATION AND FRAMING DETAILS.

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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
DRAWN BY
CHECKED BY

ROGER WALONE REGISTERED NO. PE 19800200 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS

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

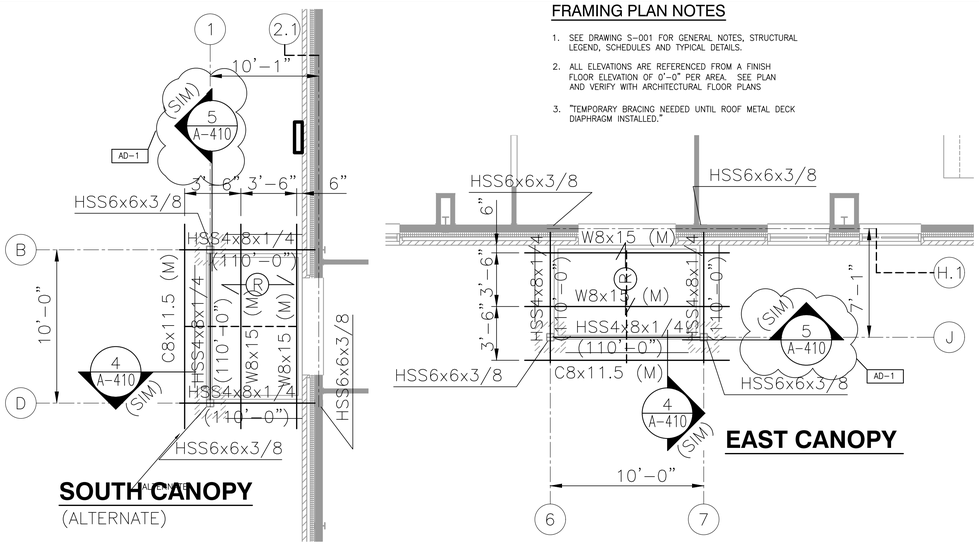
DRAWING
STRUCTURAL FOUNDATION PLAN

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
SB103

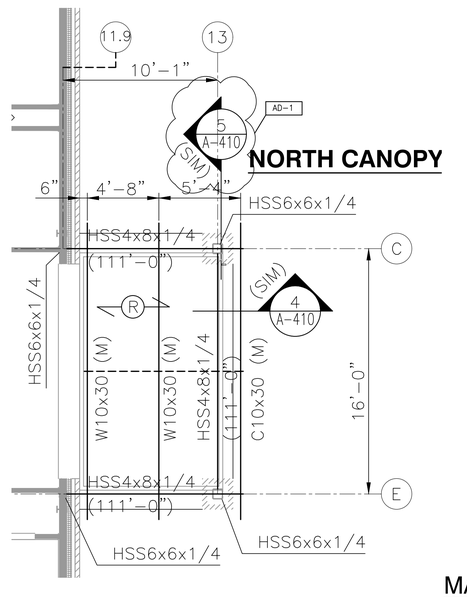
FRAMING PLAN NOTES

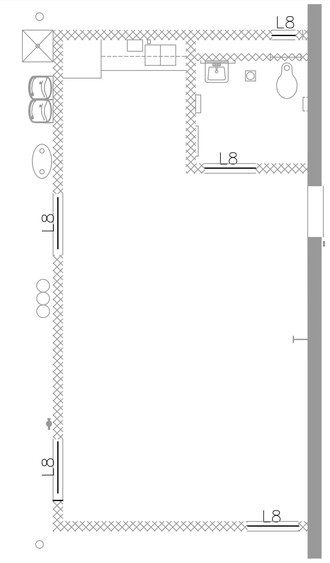
1. SEE DRAWING S-001 FOR GENERAL NOTES, STRUCTURAL LEGEND, SCHEDULES AND TYPICAL DETAILS.
2. ALL ELEVATIONS ARE REFERENCED FROM A FINISH FLOOR ELEVATION OF 0'-0" PER AREA. SEE PLAN AND VERIFY WITH ARCHITECTURAL FLOOR PLANS
3. "TEMPORARY BRACING NEEDED UNTIL ROOF METAL DECK DIAPHRAGM INSTALLED."



RESOURCE CENTER BULDING - (3) CANOPY FRAMING PLANS

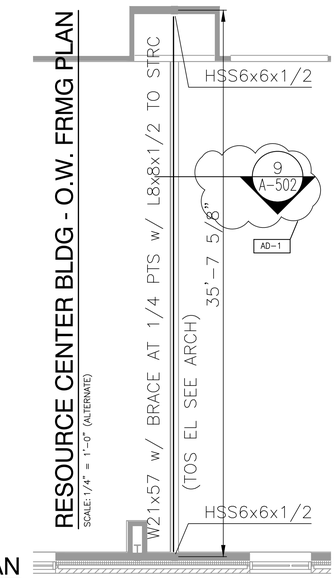
SCALE: 1/4" = 1'-0"

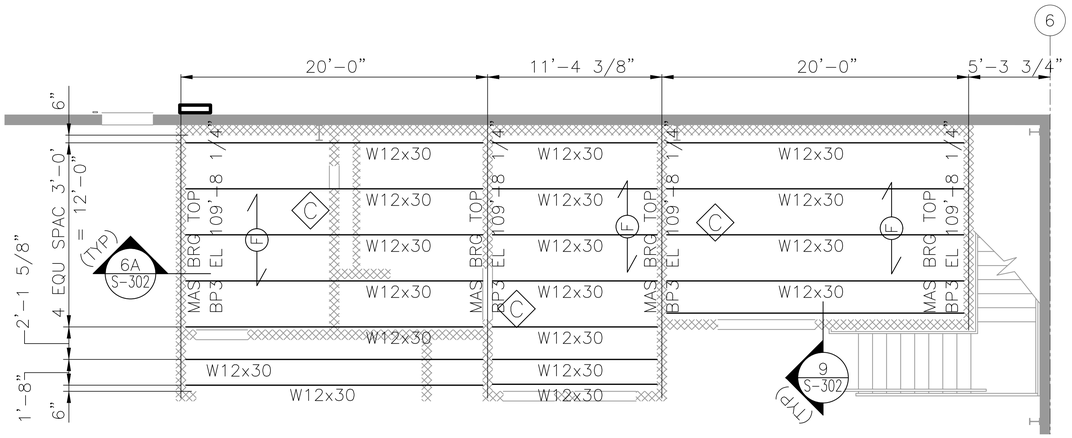




MAINTENANCE BULDING - LINTEL PLAN

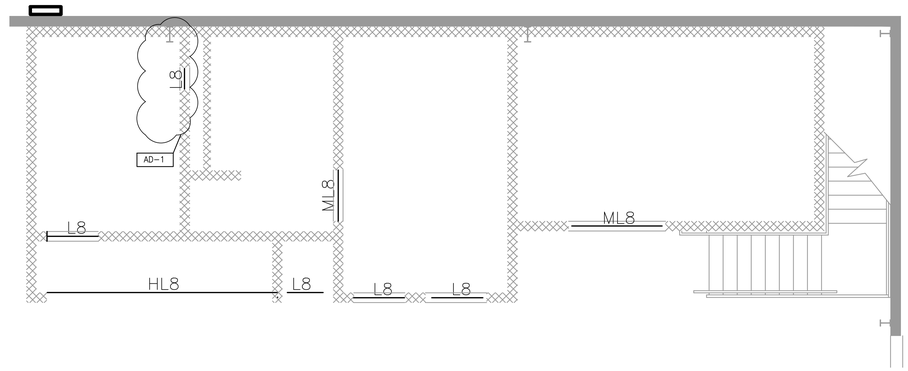
SCALE: 3/16" = 1'-0"





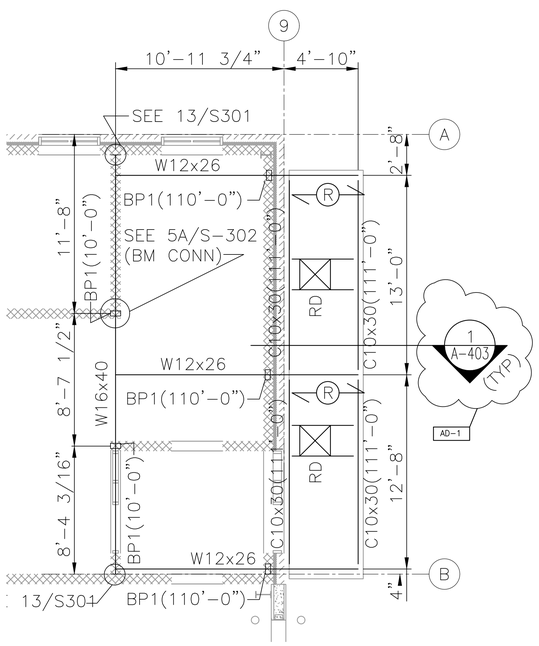
MECHANICS BULDING - STORAGE MEZZANINE FRAMING PLAN

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



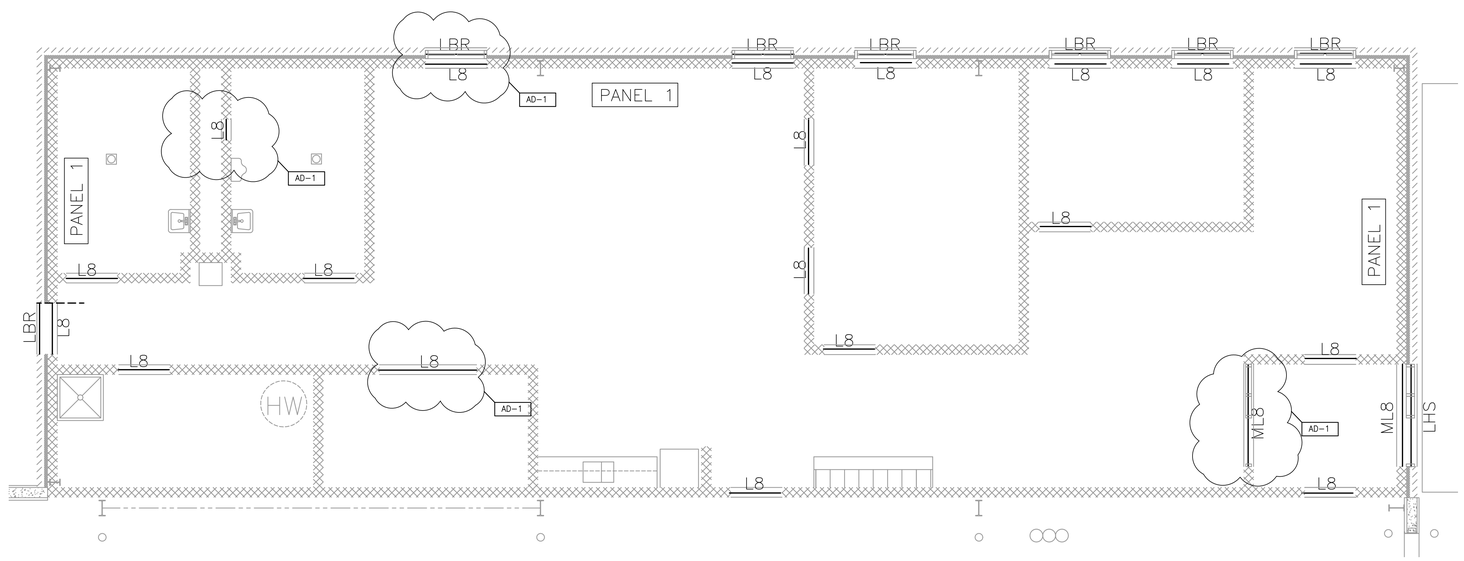
MECHANICS BULDING - LINTEL PLAN

SCALE: 3/16" = 1'-0"



BUS GARAGE BULDING - CANOPY ROOF FRAMING PLAN

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



BUS GARAGE BULDING - LINTEL PLAN

SCALE: 3/16" = 1'-0"

MASONRY PANEL REINFORCING/LINTEL PLAN NOTES

1. SEE DRAWING S-001 FOR NOTES, SCHEDULES AND TYPICAL DETAILS.
2. SEE DRAWING S-001 FOR MASONRY WALL LINTEL DETAILS.
3. SEE DRAWING S-001 FOR MASONRY AND STEEL LINTEL SCHEDULES.
4. VERIFY ALL LINTEL OPENINGS AND ELEVATIONS WITH ARCHITECTURAL PLAN.
5. SL-? INDICATES SPECIAL LINTEL REQUIRED. SEE DRAWING S-001 FOR SPECIAL LINTEL SCHEDULE.
6. PANEL ? INDICATES MASONRY WALL PANEL. SEE DRAWING S-001 FOR MASONRY PANEL SCHEDULE AND REINFORCEMENT REQUIREMENTS.
7. FOR MULTI-SPAN CONTINUOUS LINTELS MAINTAIN 16" MINIMUM CMU BETWEEN OPENINGS UNLESS OTHERWISE NOTED.
8. * INDICATES LINTEL REQUIRED FOR MECHANICAL OPENING. COORDINATE SIZE AND LOCATION WITH DIVISION 15.

GIBRALTAR DESIGN
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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
DRAWN BY
CHECKED BY

ROGER MALONE REGISTERED NO. PE 19800200 STATE OF INDIANA PROFESSIONAL ENGINEER

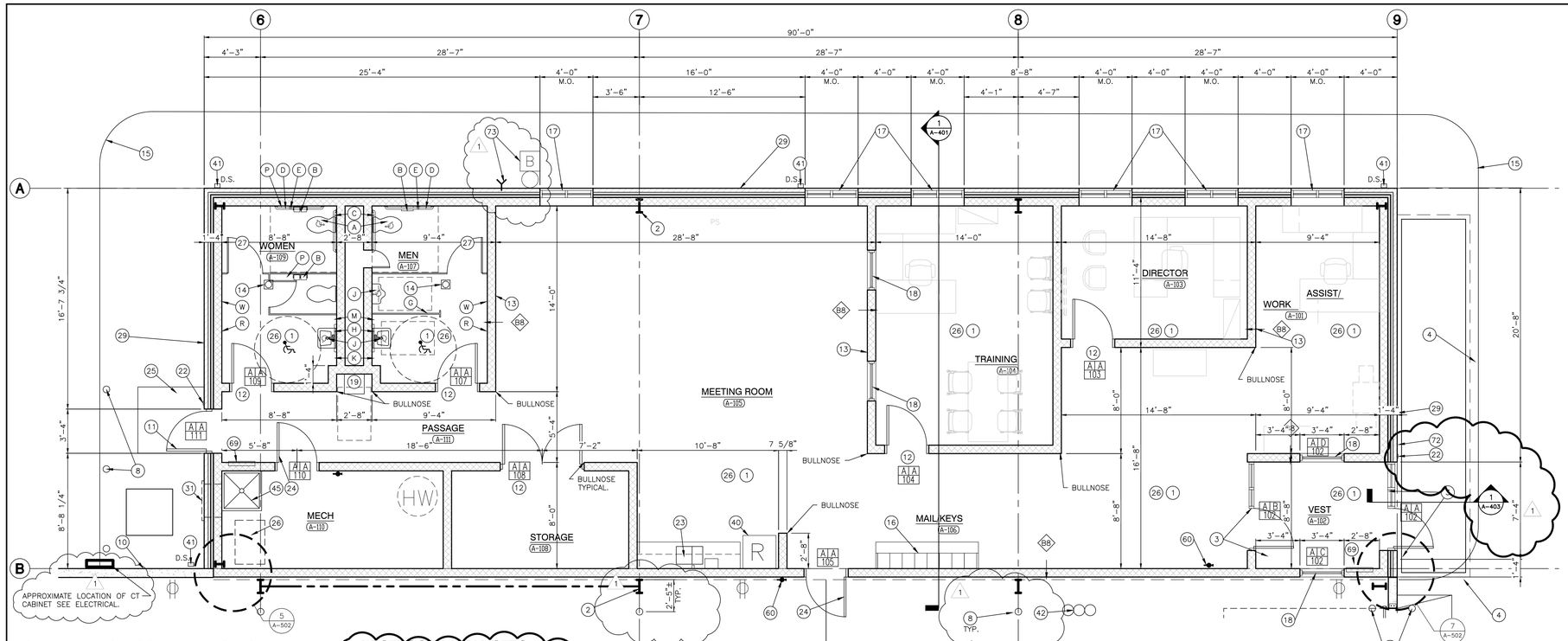
REVISIONS

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

DRAWING
STRUCTURAL SECONDARY FRAMING AND LINTEL PLANS

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
SL101



1 / A-102 BUILDING 'A' OFFICE PLAN BUS GARAGE

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 GI201.

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.

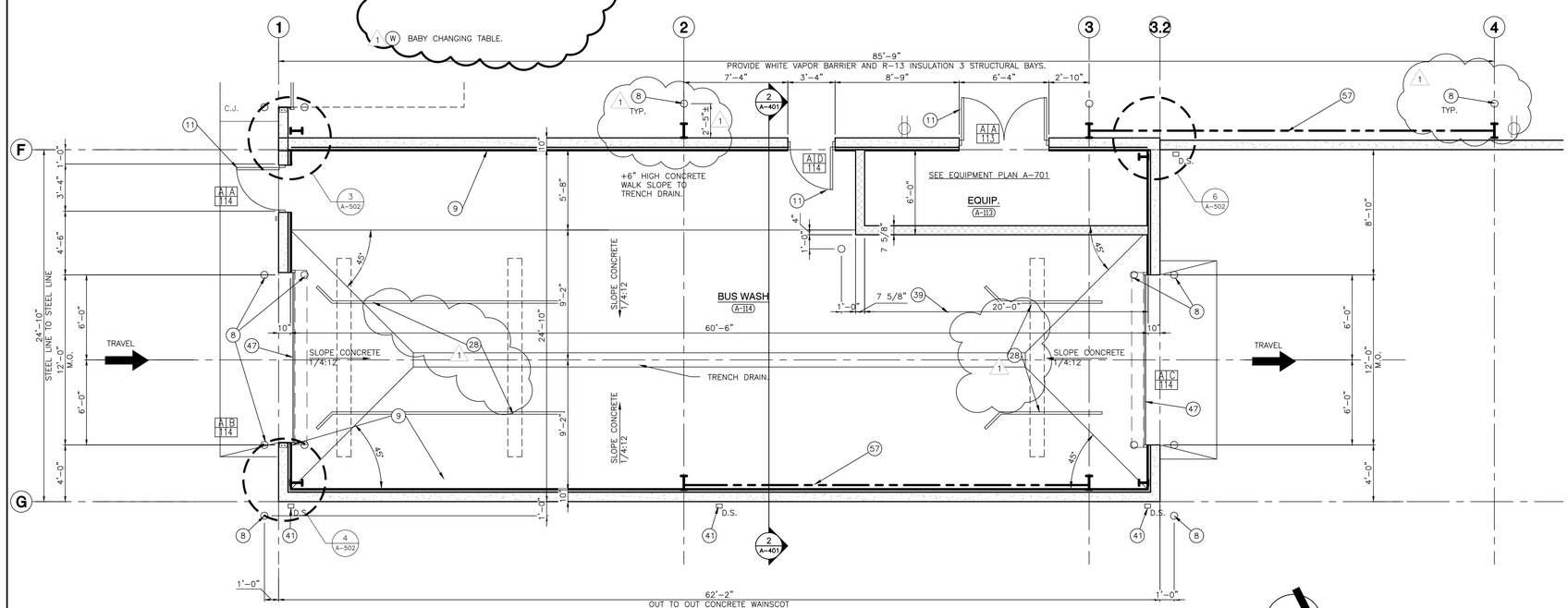
F. INSTALL LAVATORIES AND URINALS AT 2'-6" ON CENTER MINIMUM UNLESS NOTED OTHERWISE.

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.

1 (W) BABY CHANGING TABLE.



2 / A-102 BUILDING A BUS WASH FLOOR PLAN

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) AS REQUIRED 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-300 SERIES DRAWINGS 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. FEFER 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) ALL EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME UNLESS NOTED OTHERWISE.
(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 24".
(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 FABRIC ROLL-UP DOOR.
(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.
(72) 1 FIRE DEPARTMENT KNOX BOX. COORDINATE INSTALL LOCATION WITH LOCAL FIRE DEPARTMENT. TYPICAL (4) BUILDINGS.
(73) 1 FIRE DEPARTMENT SPRINKLER CONNECTION AND ALARM BELL SEE FIRE PROTECTION SHEETS.

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DESIGN
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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

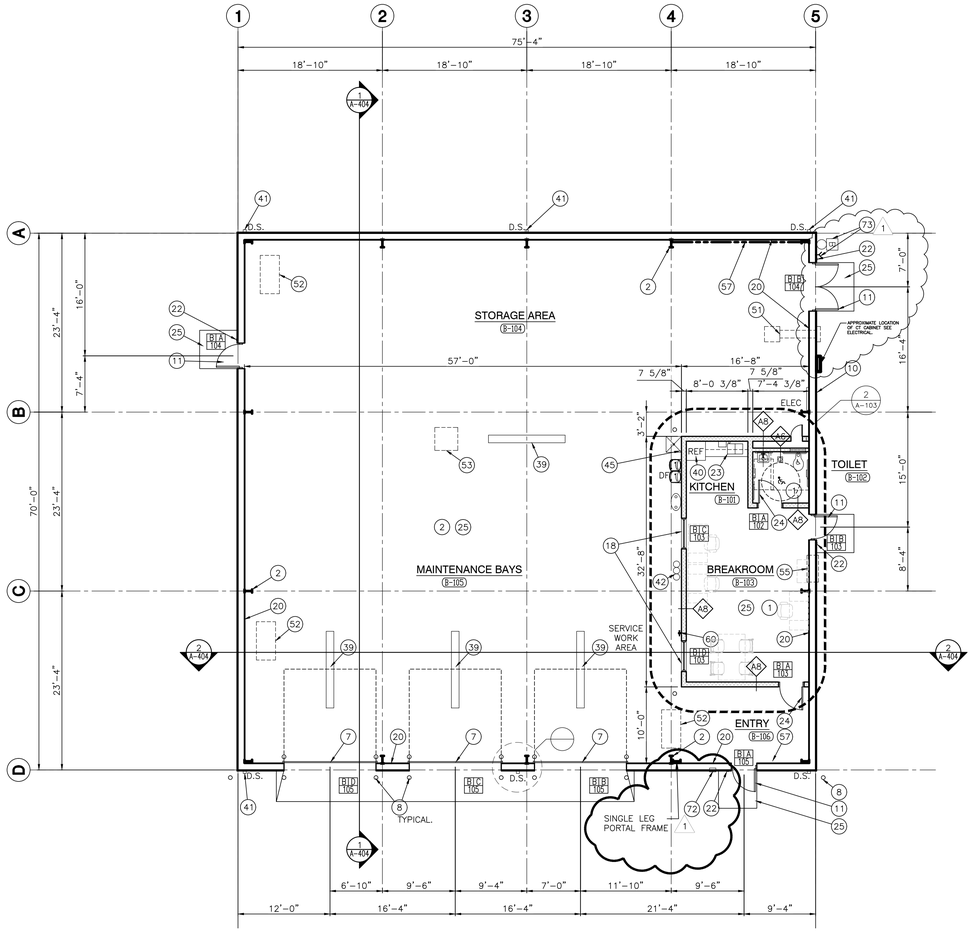
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1

DRAWING
ENLARGED PLANS
BUS GARAGE
BUILDING A

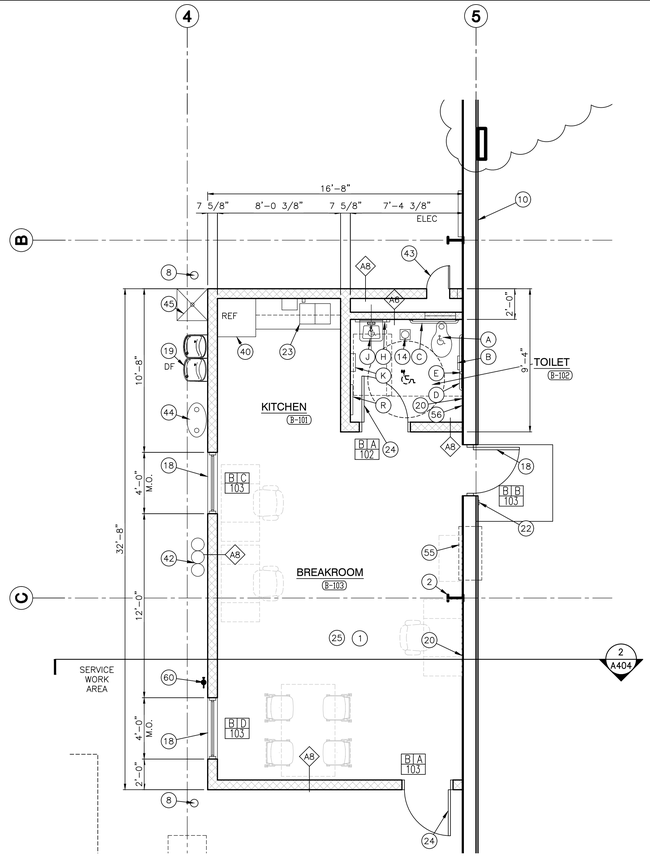
PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-102



1 A-103 BUILDING 'B' MAINTENANCE BUILDING PLAN

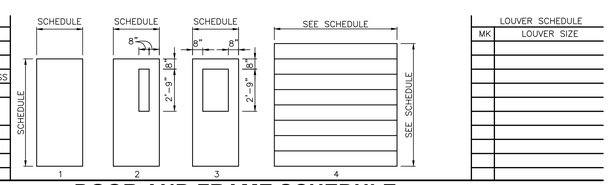
SCALE: 1/8" = 1'-0"



2 A-103 ENLARGED KITCHEN / TOILET PLAN

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

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

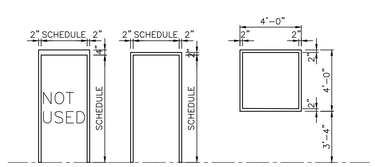


LOUVER SCHEDULE	
MK	LOUVER SIZE

DOOR AND FRAME SCHEDULE

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	
102–A	SINGLE	2	36 x 86	FRP	–	–	–	–	HM	8 3/4"	1	1	–	HM2	–	–	–	–
103–A	SINGLE	3	36 x 86	FRP	–	–	–	–	HM	8 3/4"	1	1	–	HM2	–	–	–	–
103–B	SINGLE	2	36 x 86	FRP	–	B	–	–	ALUM	6 1/2"	6	6	–	SF2	–	YES	YES	4,5,6
103–C	FRAMED WINDOW	–	–	–	–	A	–	–	HM	7 5/8"	–	–	–	3	–	–	–	–
103–D	FRAMED WINDOW	–	–	–	–	A	–	–	HM	7 5/8"	–	–	–	3	–	–	–	–
104–A	SINGLE	2	36 x 86	FRP	–	B	–	–	ALUM	6 1/2"	6	6	–	SF2	–	YES	YES	4,5,6
104–B	DOUBLE	2	72 x 86	FRP	–	B	–	–	ALUM	6 1/2"	6	6	–	SF2	–	YES	YES	4,5,6,8
105–A	SINGLE	2	36 x 86	FRP	–	B	–	–	ALUM	6 1/2"	6	6	–	2	–	YES	YES	4,5,6
105–B	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	J1 A601	H1 A601	–	–	–	–	–	1
105–C	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	J1 A601	H1 A601	–	–	–	–	–	1
105–D	OVERHEAD SECTIONAL	4	144 x 144	STEEL	–	–	–	–	STEEL	–	J1 A601	H1 A601	–	–	–	–	–	1

NOTES:
1. MOTOR OPERATED INSULATED MIN. R–9 OVERHEAD SECTIONAL DOOR.
2. FIELD VERIFY WALL THICKNESSES, AND OPENING DIMENTSIONS FOR DOORS AND FRAMES PRIOR TO STARTING CONSTRUCTION.



FRAME TYPE ELEVATIONS

SCALE: 1/4" = 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 GI201.

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 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) AS REQUIRED 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–300 SERIES DRAWINGS 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. FEFER 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) ALL EXTERIOR SINGLE DOORS(3'–0"W) AND DOUBLE (6'–0"W) TO BE FRP WITH ALUMINUM FRAME UNLESS NOTED OTHERWISE.
(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 24".
(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 FABRIC ROLL–UP DOOR.
(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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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. ANDERSON REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

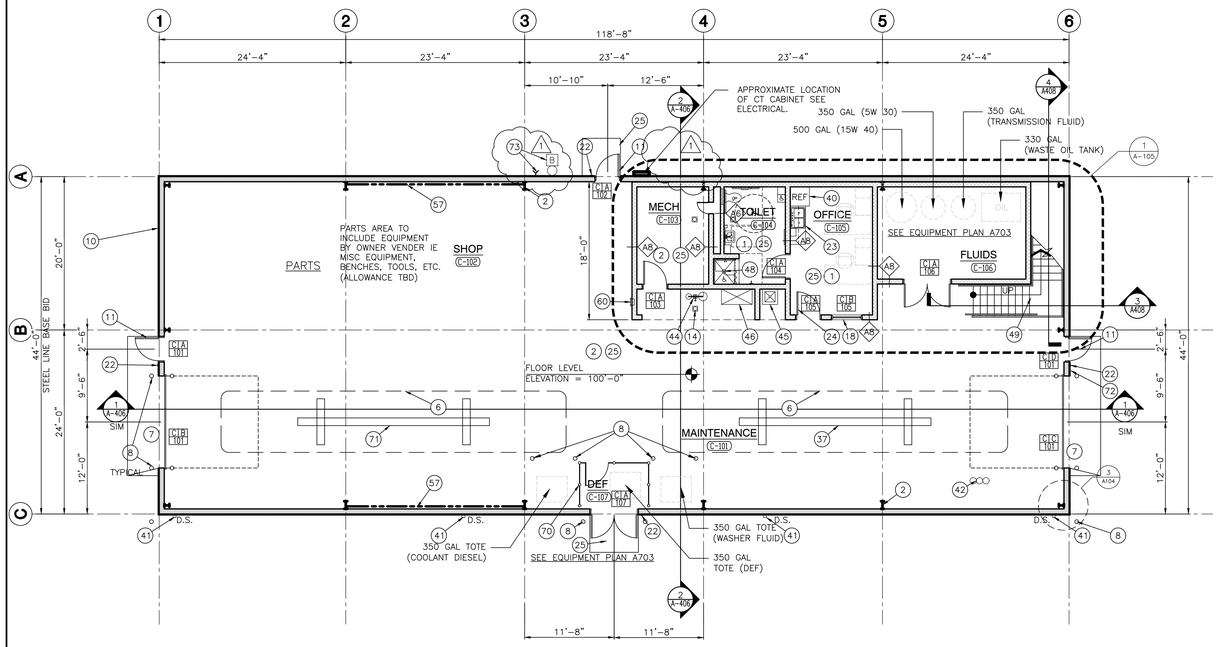
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1

DRAWING
FLOOR PLAN
MAINTENANCE BUILDING
BUILDING B

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

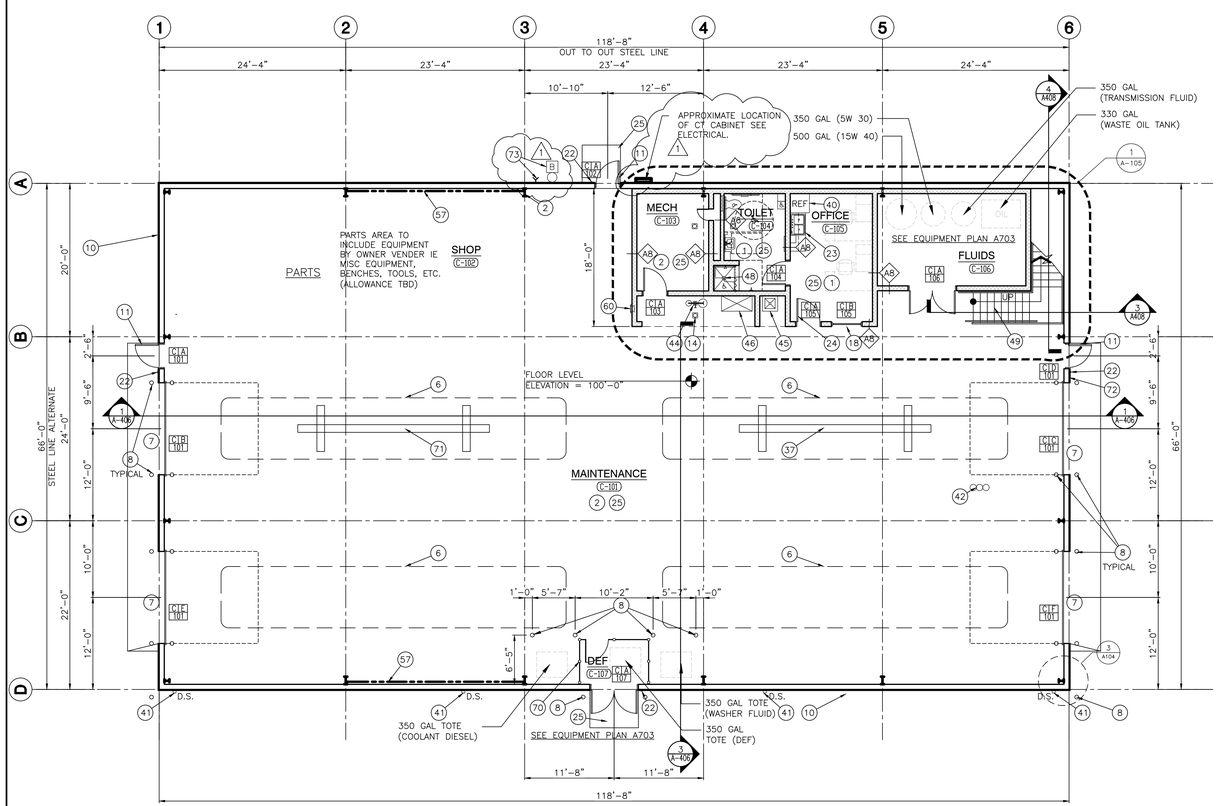
SHEET
A-103



MECHANICS BUILDING PLAN
BUILDING C - BASE BID

1 / A-104 SCALE: 1/8" = 1'-0" (PRE-ENGINEERED METAL BUILDING)

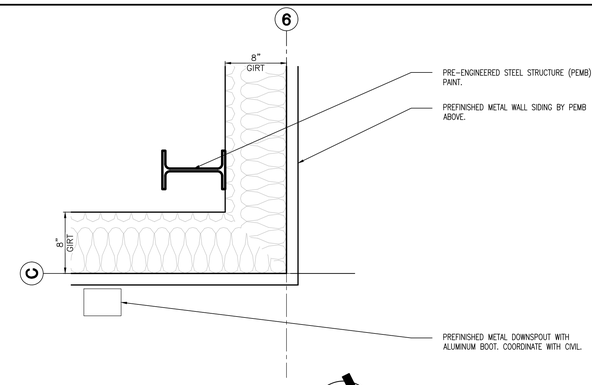
NORTH



MECHANICS BUILDING PLAN
BUILDING C - ALTERNATE

2 / A-104 SCALE: 1/8" = 1'-0" (PRE-ENGINEERED METAL BUILDING)

NORTH



DETAIL: PLAN

2 / 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) AS REQUIRED 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-300 SERIES DRAWINGS 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. FEFER 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. ALL EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME UNLESS NOTED OTHERWISE.
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 24".
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 FABRIC ROLL-UP DOOR.
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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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. ROSELLE REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

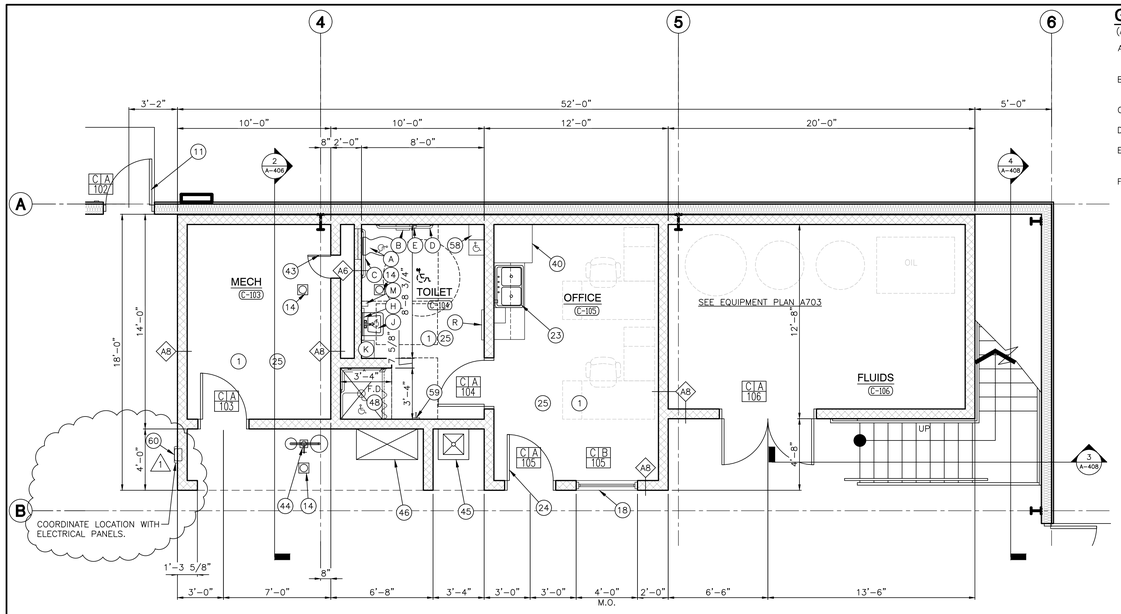
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1

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 G1201.

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) AS REQUIRED 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-300 SERIES DRAWINGS 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. FEFER 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) ALL EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME UNLESS NOTED OTHERWISE.
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(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 24".
(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.
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(32) MILLWORK. SEE A700 SERIES.
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(35) VMC, PANELIZED BACK WALL (WOOD OR P.LAM) W/ REPRESSED TECHNOLOGY BOARDS.
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(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.
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(62) WALL MOUNTED ELECTRIC CABINET HEATER. SEE MECHANICAL.
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(65) POWER RECEPTACLE. SEE ELECTRICAL.
(66) BASE/WALL CABINETS. SEE A700 SERIES.
(67) ~~8'-0" X 8'-0" SECTIONAL OVERHEAD INSULATED DOOR AND TRACK.~~
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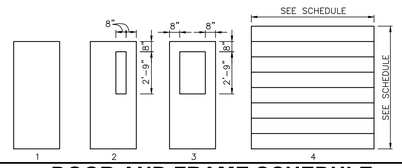
(72) FIRE DEPARTMENT KNOX BOX. COORDINATE INSTALL LOCATION WITH LOCAL FIRE DEPARTMENT. TYPICAL (4) BUILDINGS.
(73) FIRE DEPARTMENT SPRINKLER CONNECTION AND ALARM BELL SEE FIRE PROTECTION SHEETS.

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



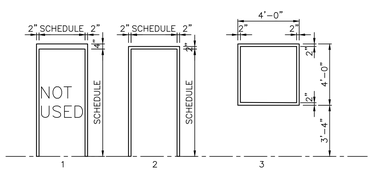
LOUVER SCHEDULE

MK	LOUVER SIZE

DOOR AND FRAME SCHEDULE

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	2	36 x 86	FRP	-	B	-	-	ALUM	6 1/2"	6	6	-	2	-	YES	YES	1,4,5,6
101-B	OVERHEAD SECTIONAL	4	144 x 144	STEEL	-	-	-	-	STEEL	-	J1 A601	H1 A601	-	-	-	-	-	1
101-C	OVERHEAD SECTIONAL	4	144 x 144	STEEL	-	-	-	-	STEEL	-	J1 A601	H1 A601	-	-	-	-	-	1
101-D	SINGLE	2	36 x 86	FRP	-	B	-	-	ALUM	6 1/2"	6	6	-	2	-	YES	YES	1,4,5,6
101-E	OVERHEAD SECTIONAL ALTERNATE	4	144 x 144	STEEL	-	-	-	-	STEEL	-	J1 A601	H1 A601	-	-	-	-	-	1
101-F	OVERHEAD SECTIONAL ALTERNATE	4	144 x 144	STEEL	-	-	-	-	STEEL	-	J1 A601	H1 A601	-	-	-	-	-	1
102-A	SINGLE	2	36 x 86	FRP	-	B	-	-	ALUM	6 1/2"	6	6	-	2	-	YES	YES	1,4,5,6
103-A	SINGLE	2	36 x 86	FRP	-	-	-	-	HM	8 3/4"	J1	H1	-	HM2	-	-	-	-
104-A	SINGLE	1	36 x 86	FRP	-	-	-	-	HM	8 3/4"	J1	H1	-	HM2	-	-	-	-
105-A	SINGLE	3	36 x 86	FRP	-	A	-	-	HM	8 3/4"	J1	H1	-	HM2	-	-	-	-
105-B	FRAMED WINDOW	-	-	-	-	A	-	-	HM	7 5/8"	J2	H2	S2	3	-	-	-	1
106-A	DOUBLE	1	72 X 86	FRP	-	-	-	-	HM	8 3/4"	J1	H1	-	HM2	-	-	-	-
107-A	DOUBLE	1	72 x 86	FRP	-	-	-	-	ALUM	6 1/2"	6	6	-	2	-	-	YES	4,5,6

NOTES:
1. INSULATED OVERHEAD SECTIONAL DOOR. MOTOR OPERATED.
2. FIELD VERIFY WALL THICKNESSES, AND OPENING DIMENTSIONS FOR DOORS AND FRAMES PRIOR TO STARTING CONSTRUCTION.



FRAME TYPE ELEVATIONS

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

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

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

REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1

DRAWING
FLOOR PLANS
MECHANICS BUILDING
BUILDING C

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-105

C.DWG
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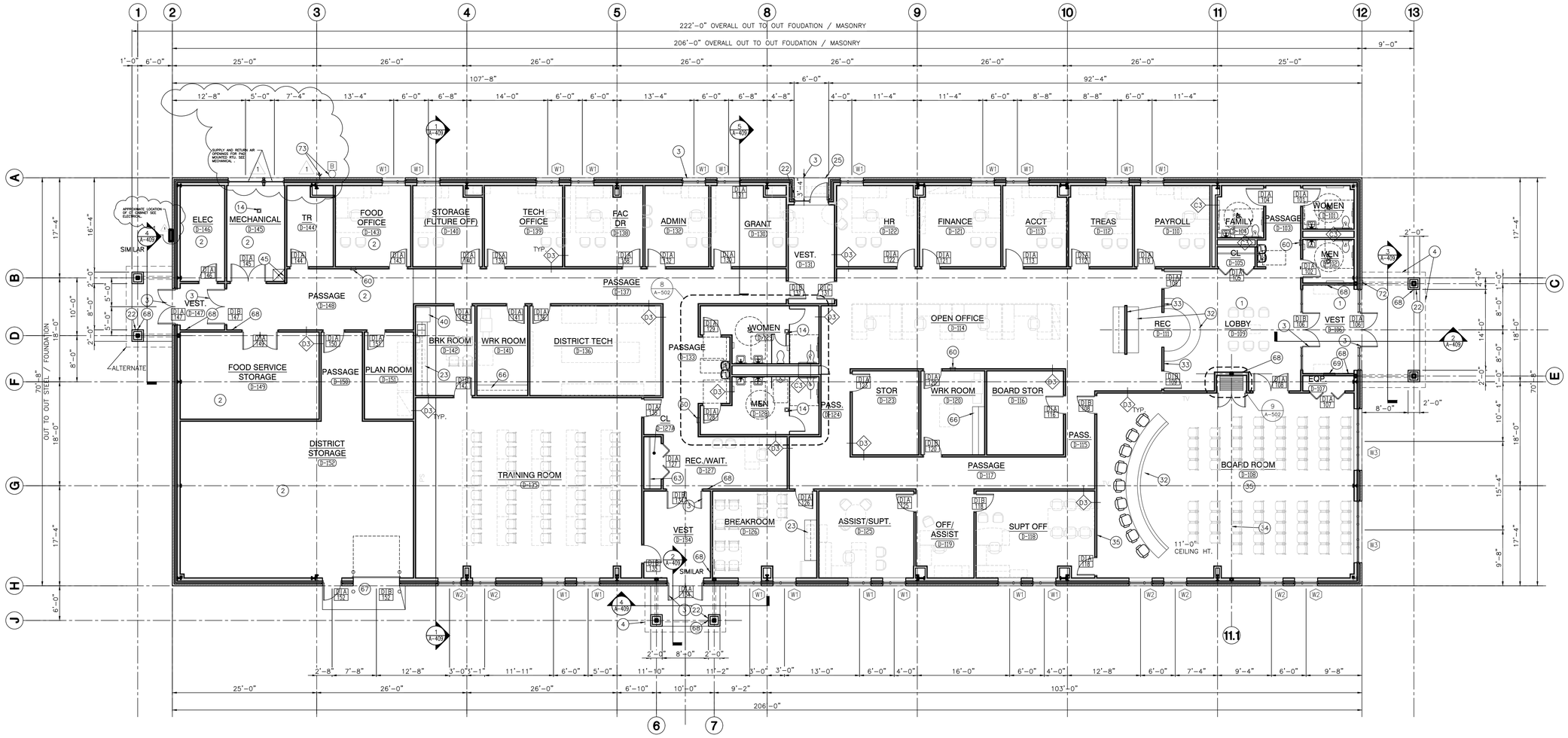

RESOURCE CENTER BUILDING D FLOOR PLAN

1 / A-107

SCALE: 1/8" = 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) AS REQUIRED 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-300 SERIES DRAWINGS 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. FEFER 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. ALL EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME UNLESS NOTED OTHERWISE.
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 24".
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 FABRIC ROLL-UP DOOR.
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.

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
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

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

REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1

DRAWING
FLOOR PLAN
RESOURCE CENTER
BUILDING D

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-107

D.DWG
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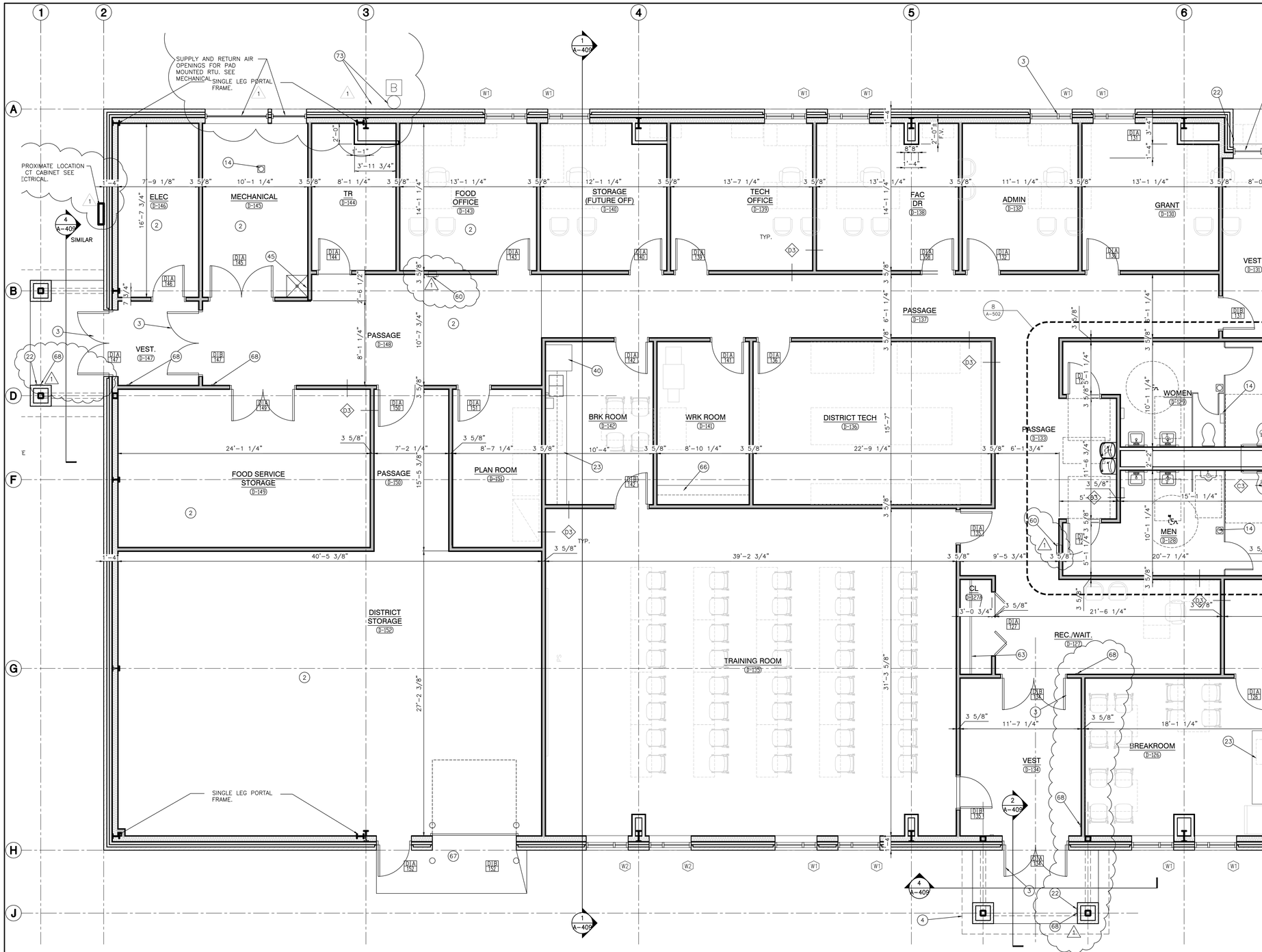

RESOURCE CENTER BUILDING D FLOOR PLAN

1 A-108

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) AS REQUIRED 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-300 SERIES DRAWINGS 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. FEFER 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. ALL EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME UNLESS NOTED OTHERWISE.
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 24".
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32. MILLWORK. SEE A700 SERIES.
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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.
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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 FABRIC ROLL-UP DOOR.
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.
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56. FRP PANEL ON FIRE RETARDANT TREATED PLYWOOD 8'-0" HIGH.
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62. WALL MOUNTED ELECTRIC CABINET HEATER. SEE MECHANICAL.
63. 12" WIDE SHELF WITH CLOTHES ROD. SEE A700 SERIES.
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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.
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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.

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

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

REVISIONS

MARK	DATE	ISSUED FOR
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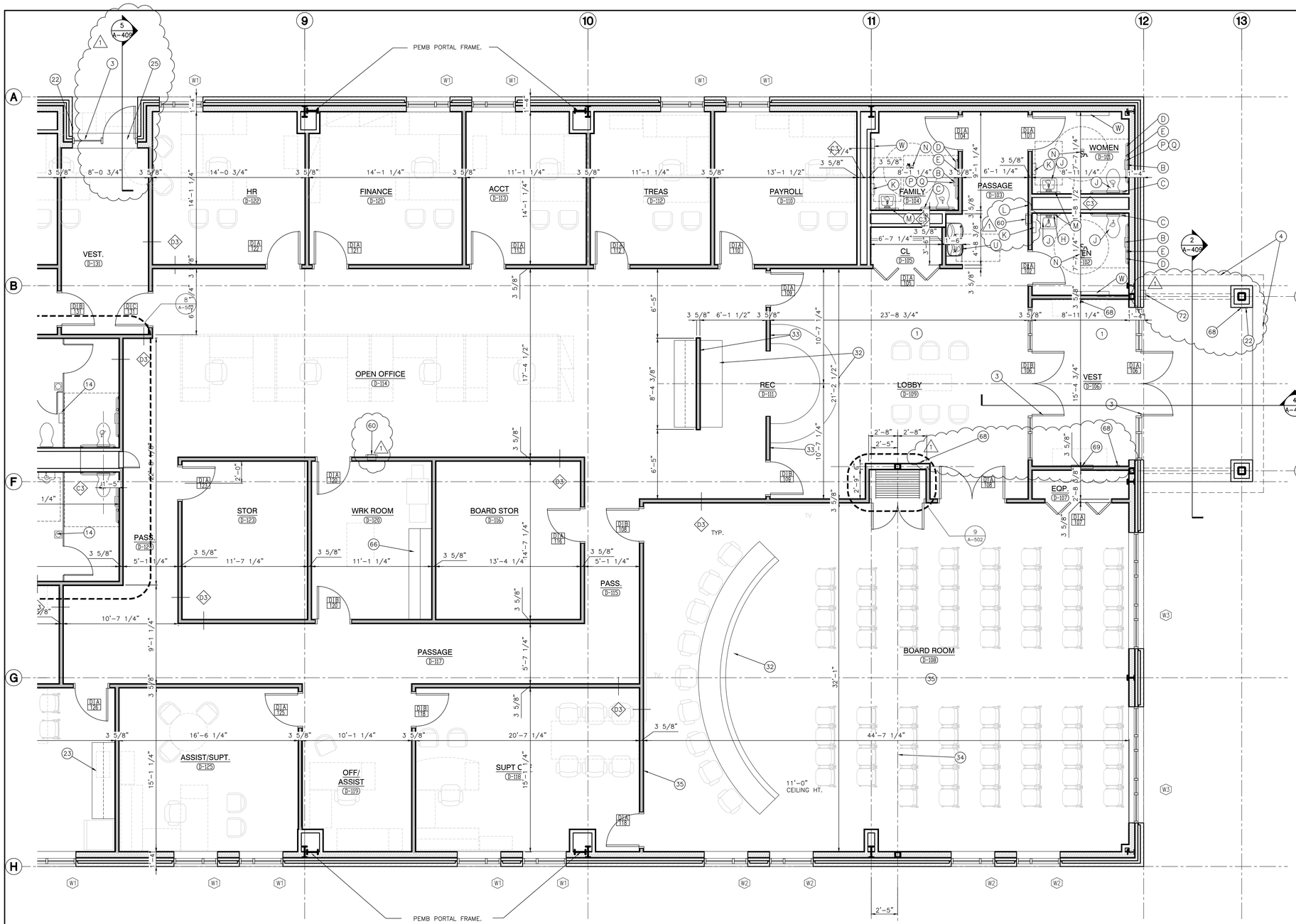
DRAWING
ENLARGED FLOOR PLAN
RESOURCE CENTER
BUILDING D

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 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.

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PLAN LEGEND:

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-300 SERIES DRAWINGS 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. FEFER 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. ALL EXTERIOR SINGLE DOORS(3'-0"W) AND DOUBLE (6'-0"W) TO BE FRP WITH ALUMINUM FRAME UNLESS NOTED OTHERWISE.
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 24".
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 FABRIC ROLL-UP DOOR.
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.

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 GI201.

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.

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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. ROUSELLO REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

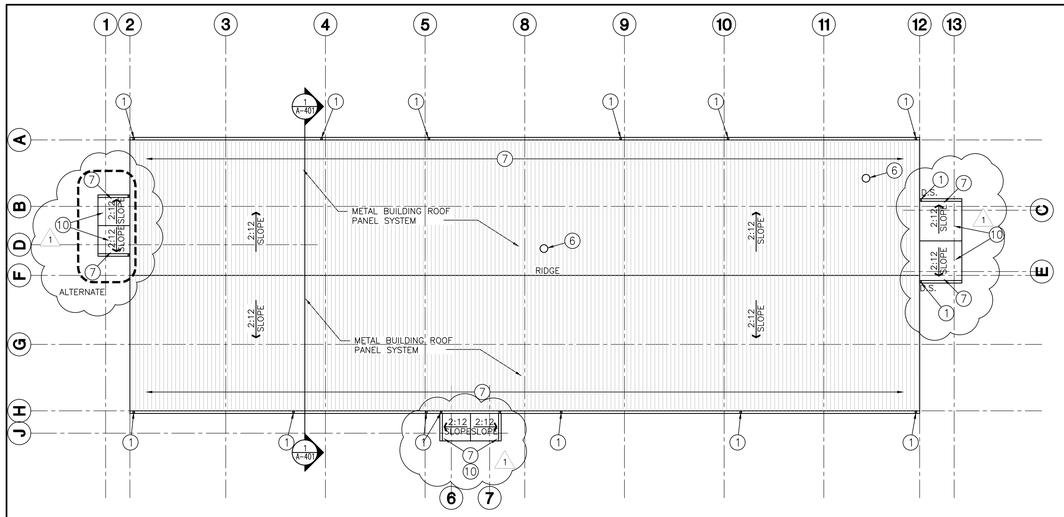
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1

DRAWING
ENLARGED FLOOR PLAN
RESOURCE CENTER
BUILDING D

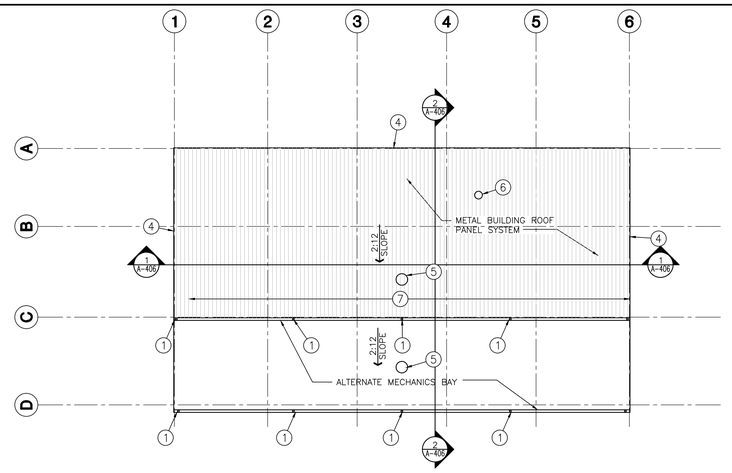
PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-109



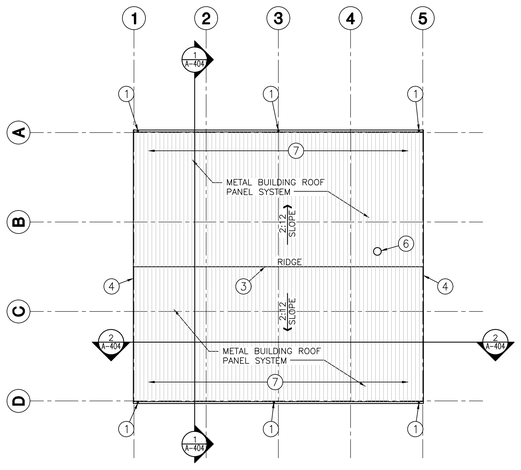
4/A-201 RESOURCE CENTER ARCHITECTURAL ROOF PLAN

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



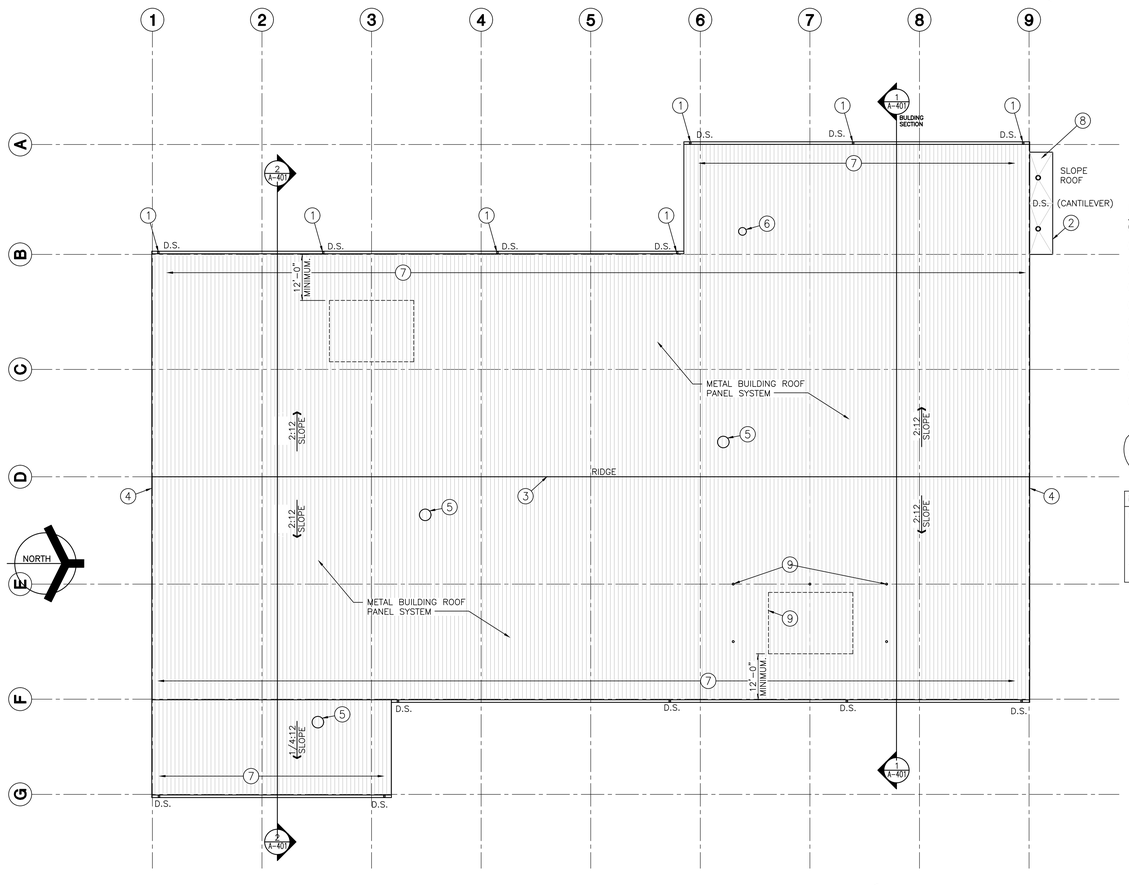
3/A-201 MECHANICS BUILDING ARCHITECTURAL ROOF PLAN

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 GI201.

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

REGISTERED ARCHITECT NO. AR11600005 STATE OF INDIANA

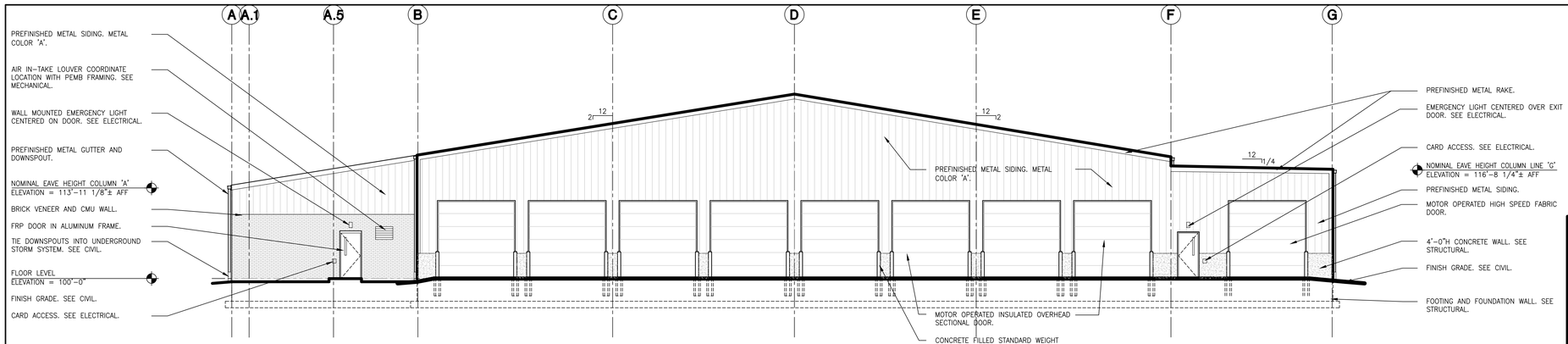
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1

DRAWING
ROOF PLANS

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

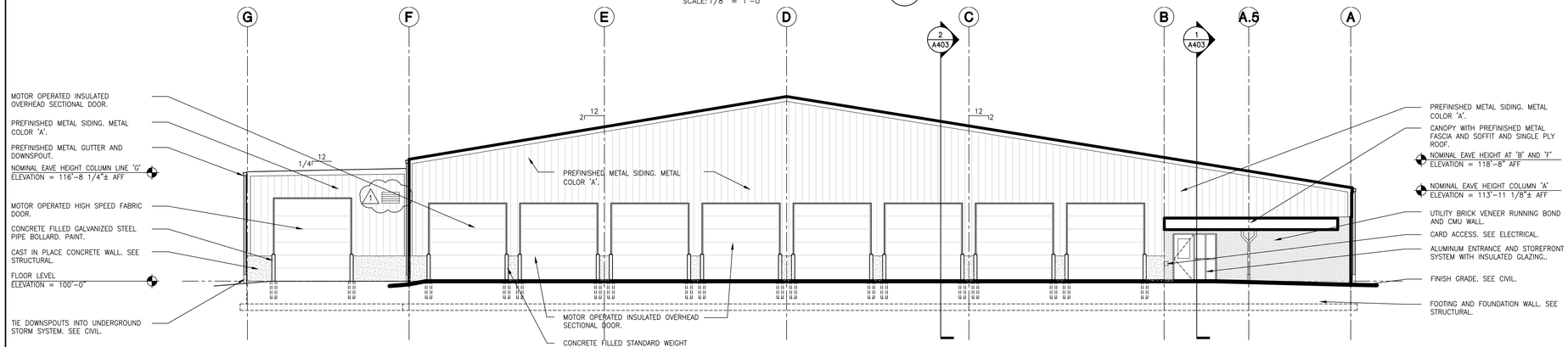
SHEET
A-201



SOUTH ELEVATION

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

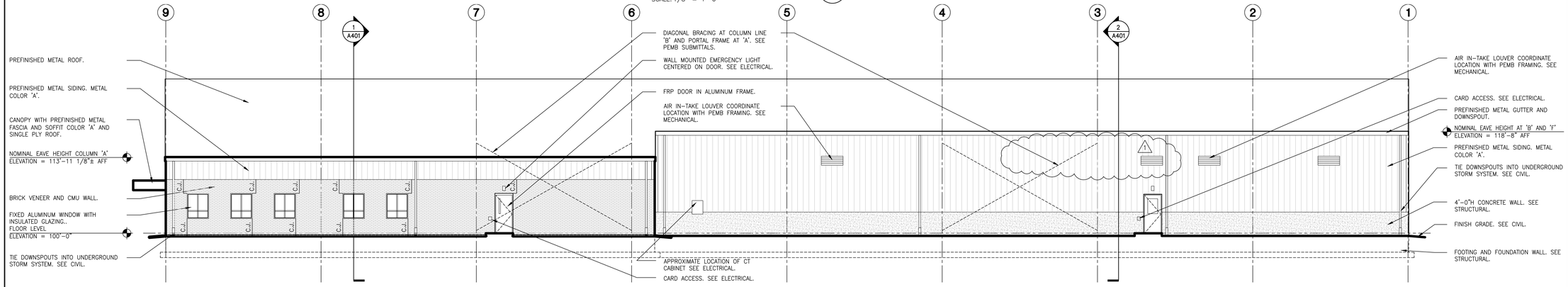
4 / A-301



NORTH ELEVATION

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

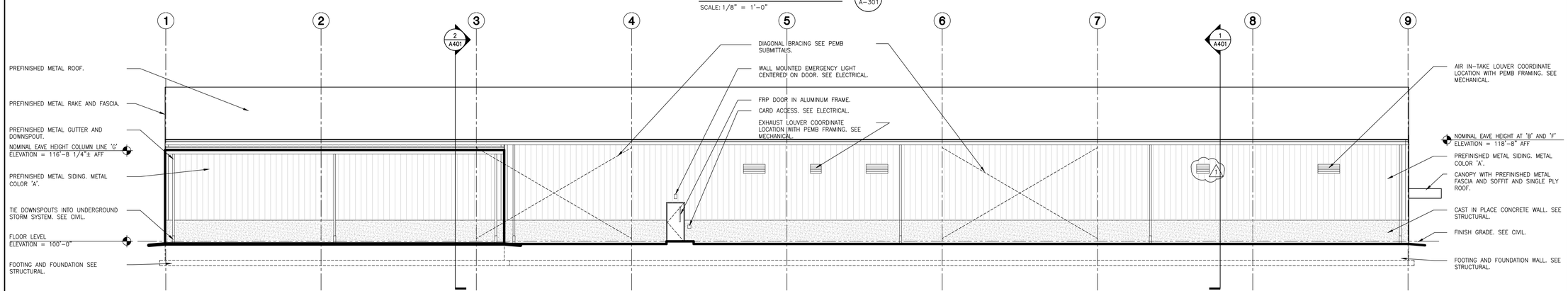
3 / A-301



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
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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. ROUSELLO REGISTERED ND. AR11600005 STATE OF INDIANA ARCHITECT

REVISIONS

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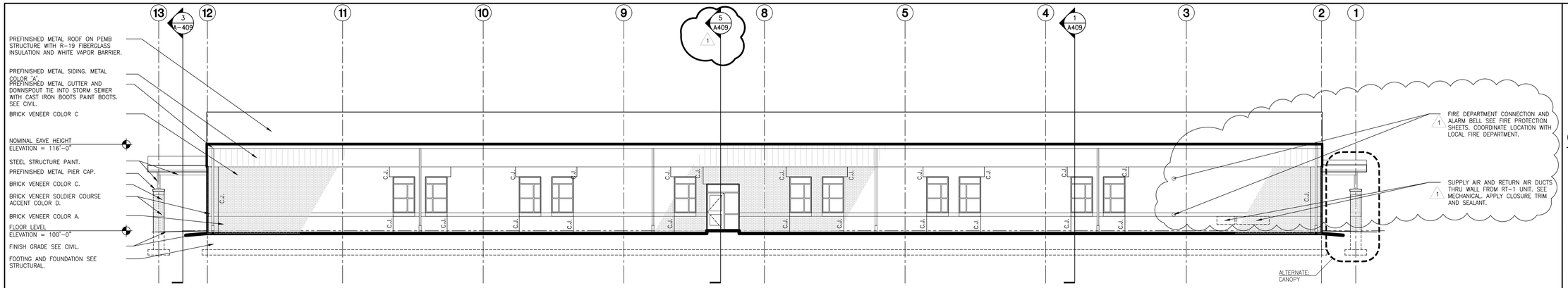
DRAWING
EXTERIOR ELEVATIONS
BUS GARAGE
BUILDING A

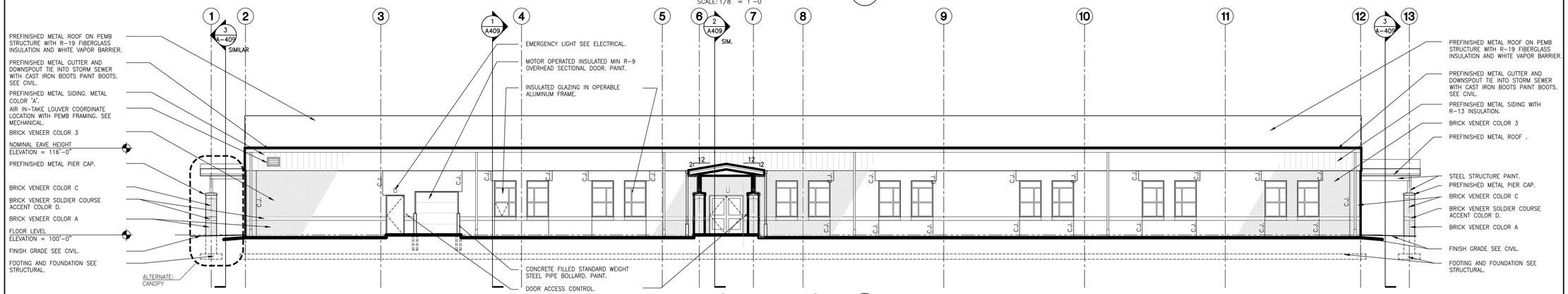
PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-301



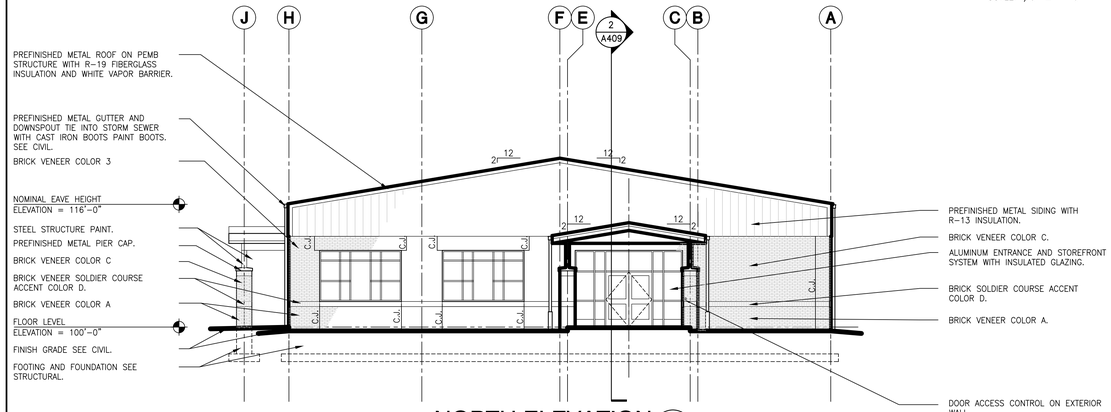
WEST ELEVATION (3 / A-304)

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



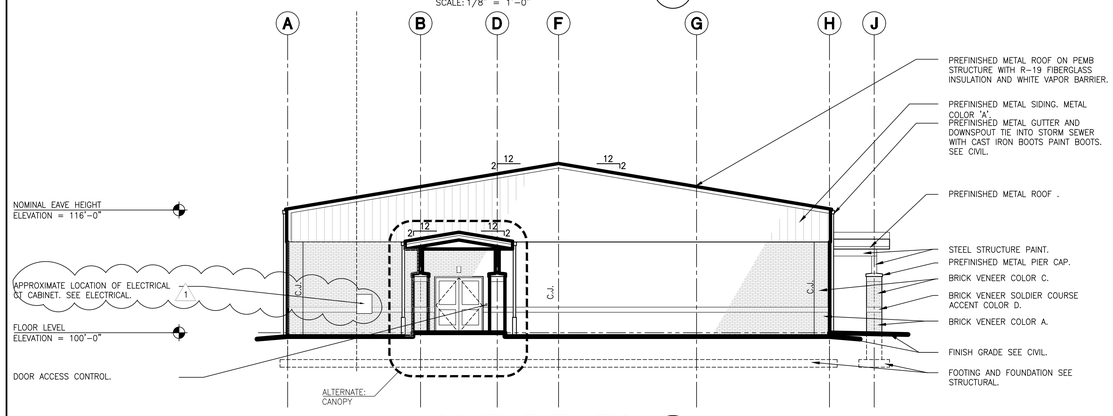
EAST ELEVATION (1 / A-304)

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



NORTH ELEVATION (2 / A-304)

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



SOUTH ELEVATION (4 / A-304)

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

GIBRALTAR DESIGN
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PROJECT
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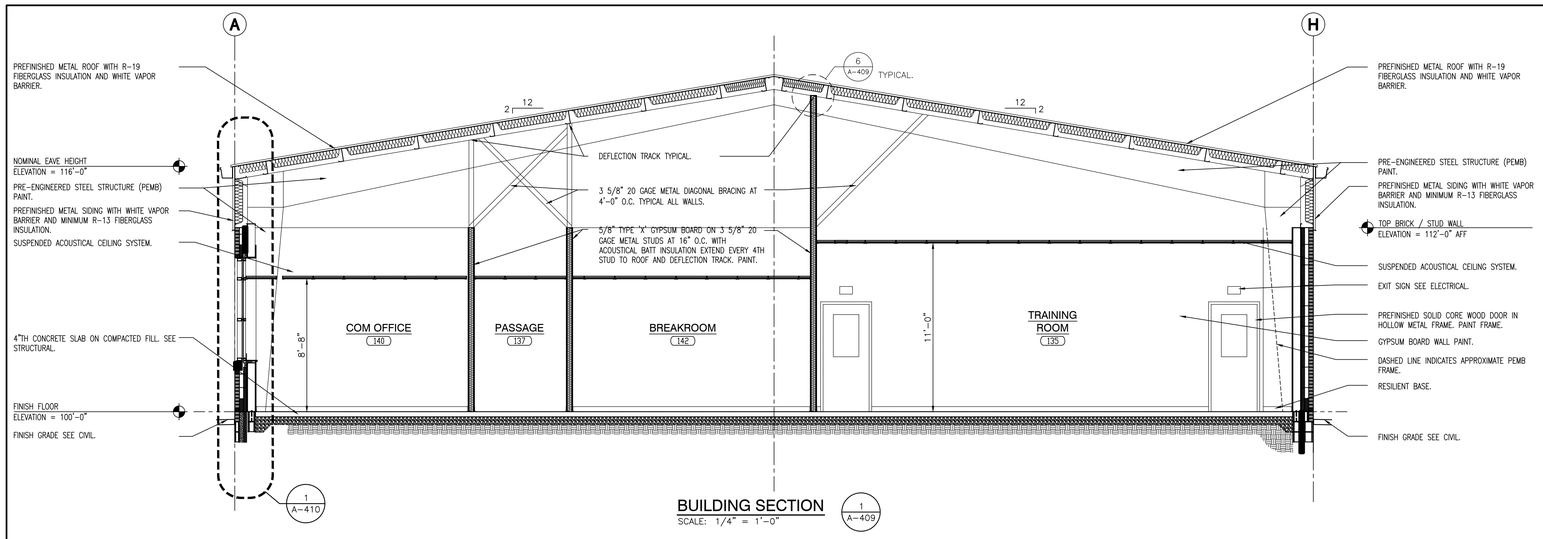
DRAWING
EXTERIOR ELEVATIONS
RESOURCE CENTER
BUILDING D

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

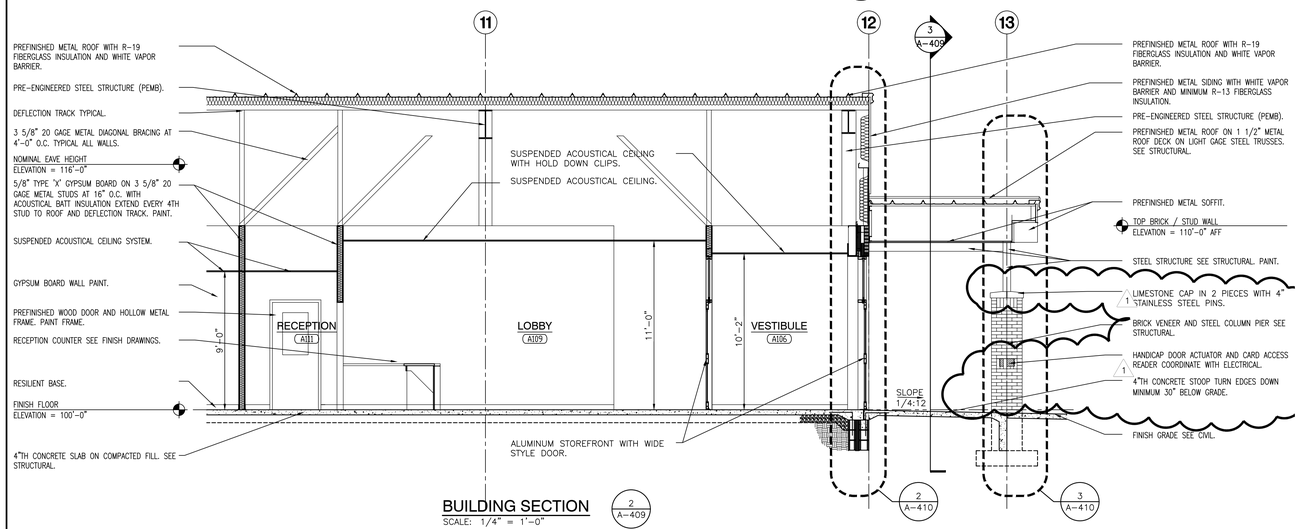
SHEET
A-304



BUILDING SECTION

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

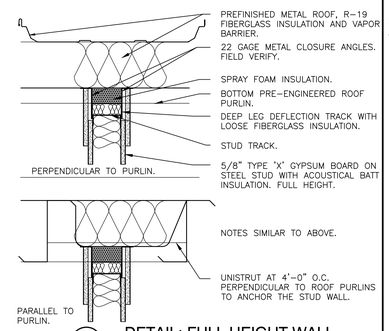
1 A-409



BUILDING SECTION

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

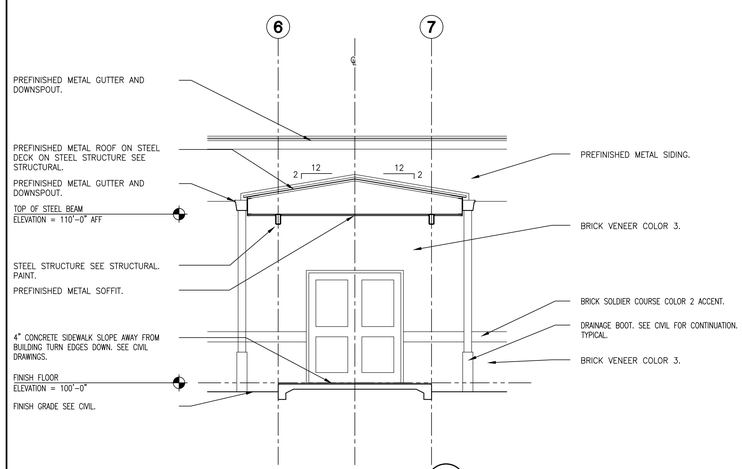
2 A-409



DETAIL: FULL HEIGHT WALL

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

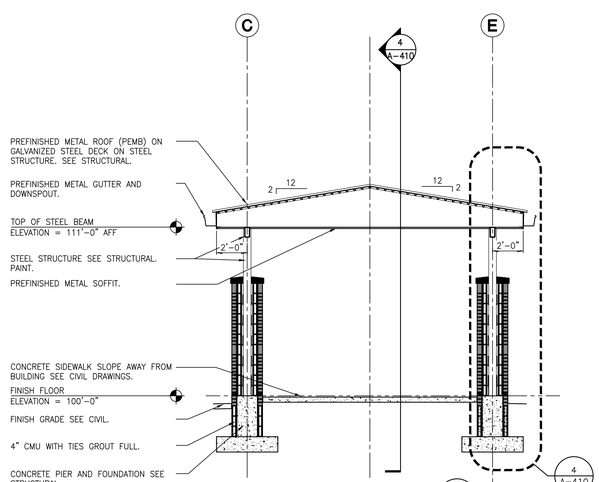
6 A-409



BUILDING SECTION

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

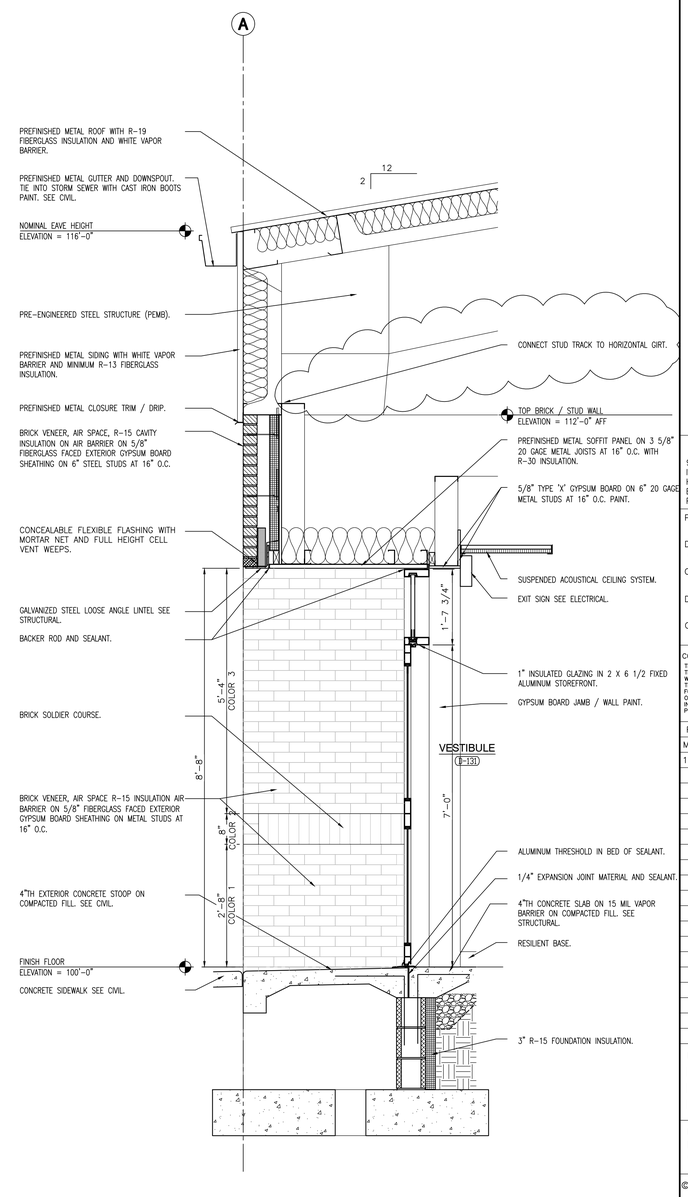
4 A-409



BUILDING SECTION

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

3 A-409



BUILDING SECTION

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

5 A-409

GIBRALTAR DESIGN

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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

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

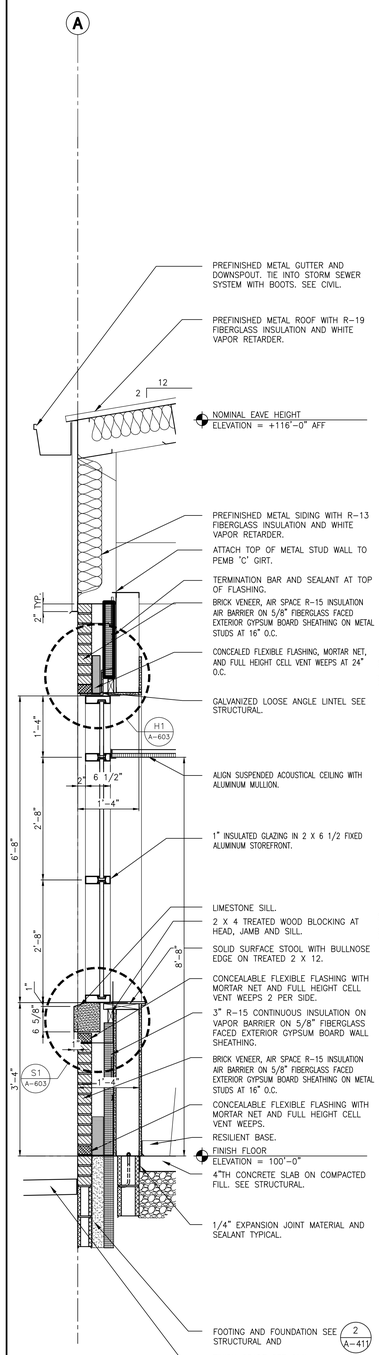
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1

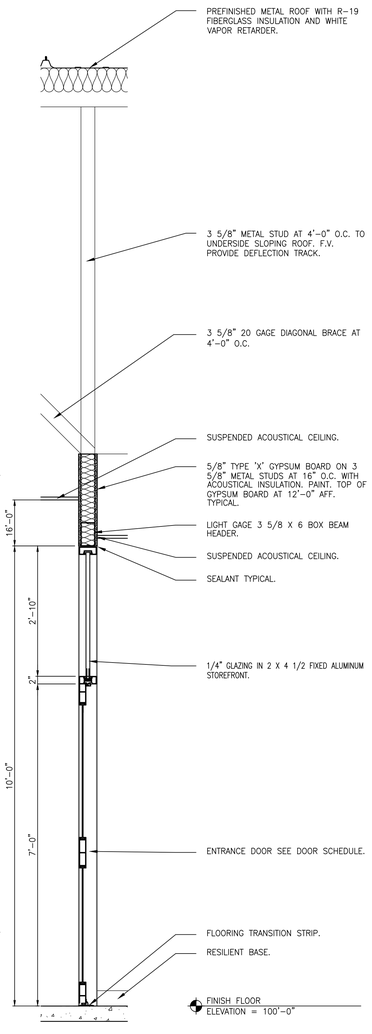
DRAWING
BUILDING SECTIONS
RESOURCE CENTER
BUILDING D

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

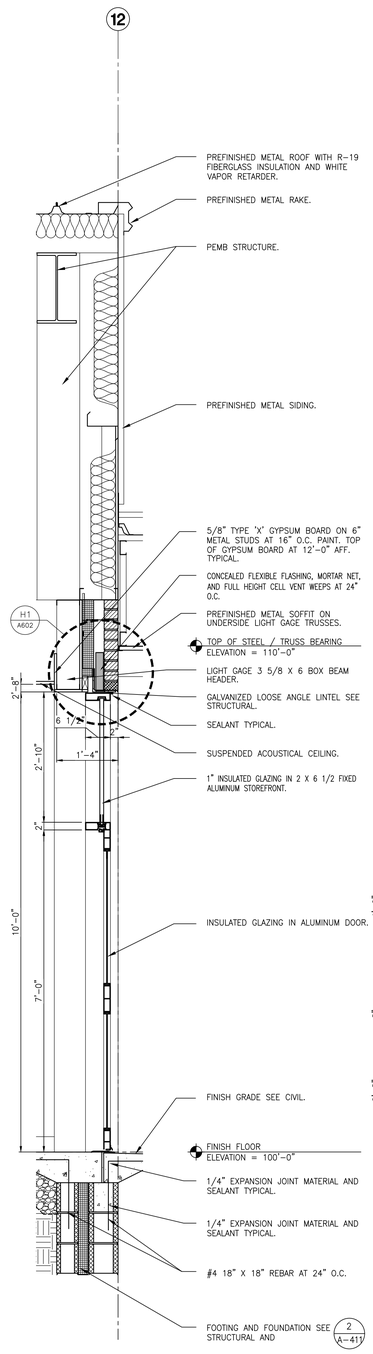
SHEET A-409



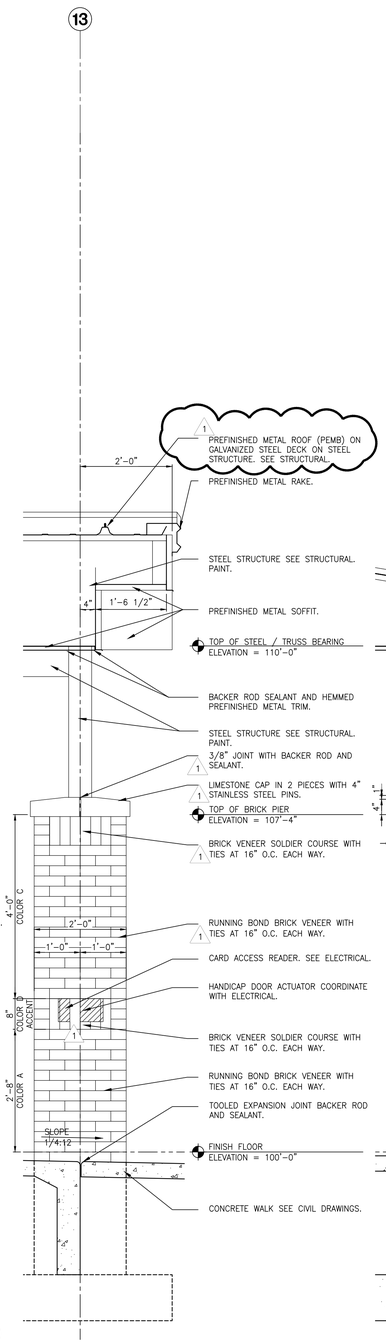
WALL SECTION 1 A-410
SCALE: 3/4" = 1' - 0"



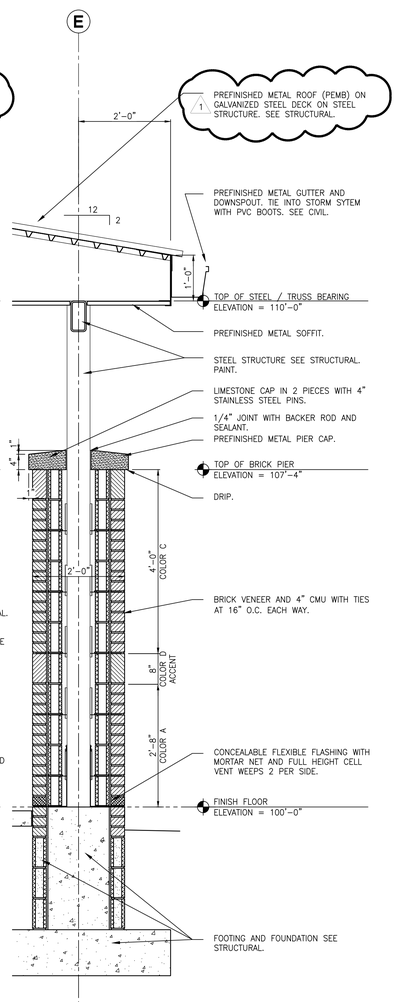
WALL SECTION 2 A-410
SCALE: 3/4" = 1' - 0"



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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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

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

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

REVISIONS

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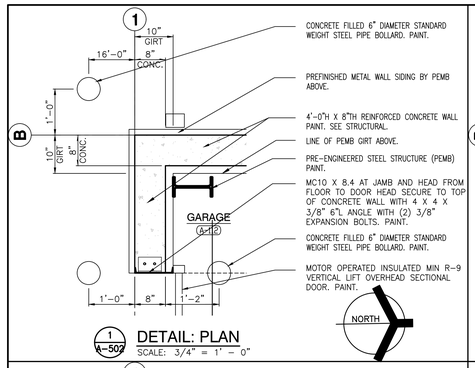
1	05/28/21	ADDENDUM #1

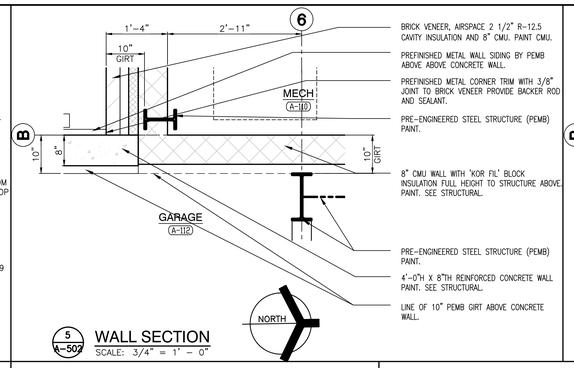
DRAWING
WALL SECTIONS
RESOURCE CENTER
BUILDING D

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

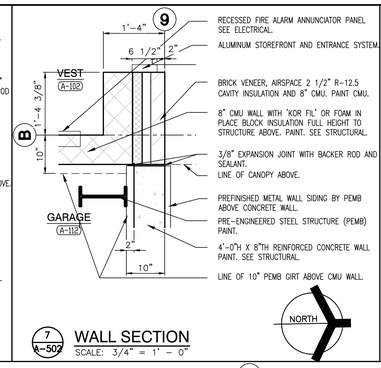
SHEET
A-410



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 G1201.

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.

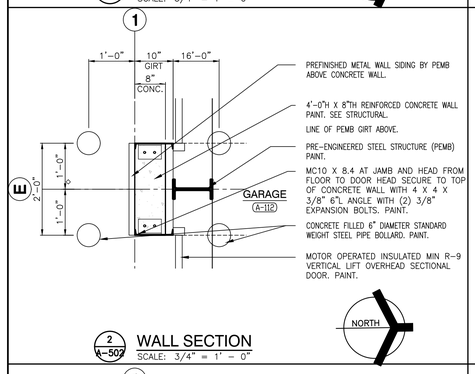
F. INSTALL LAVATORIES AND URINALS AT 2'-6" ON CENTER MINIMUM UNLESS NOTED OTHERWISE.

RESTROOM PLAN NOTES:

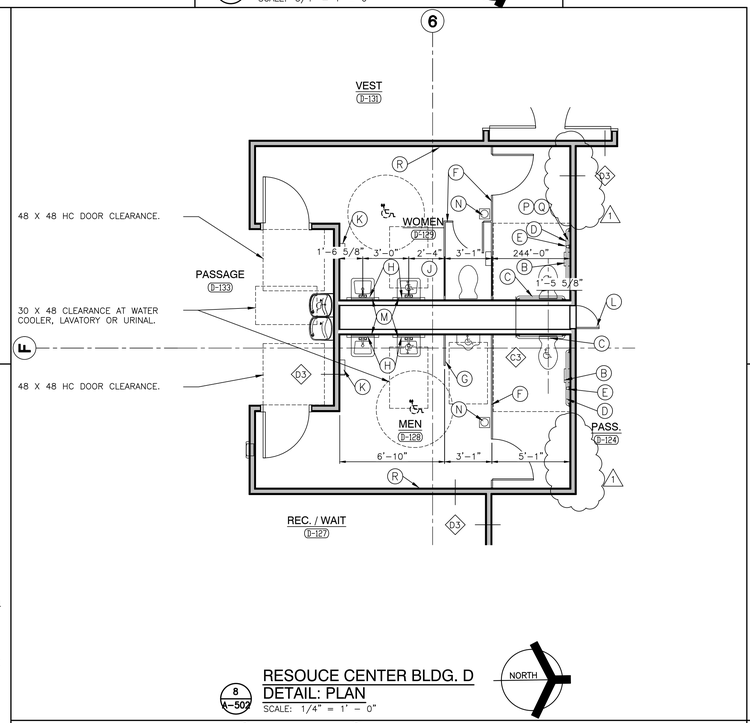
(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET.)

(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.

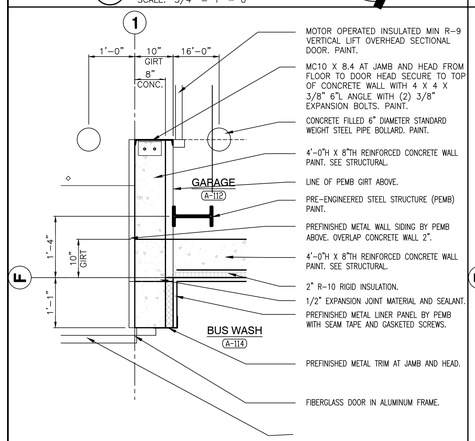
(W) BABY CHANGING TABLE.



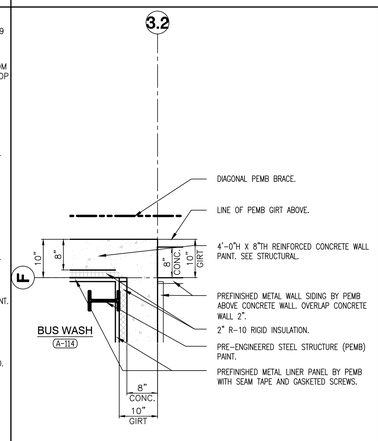
2 A-502 WALL SECTION
SCALE: 3/4" = 1' - 0"



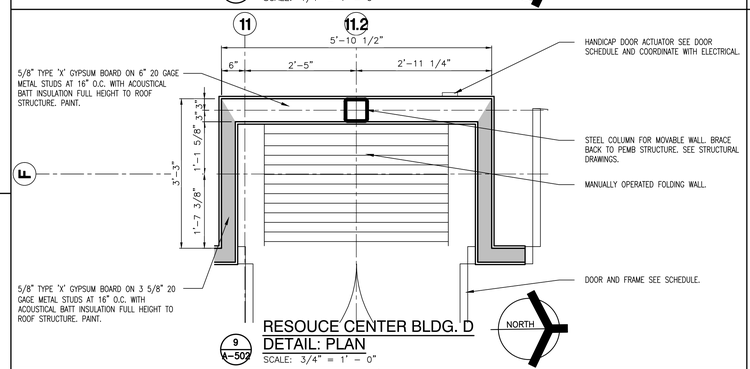
8 A-502 RESOUCE CENTER BLDG. D DETAIL: PLAN
SCALE: 1/4" = 1' - 0"



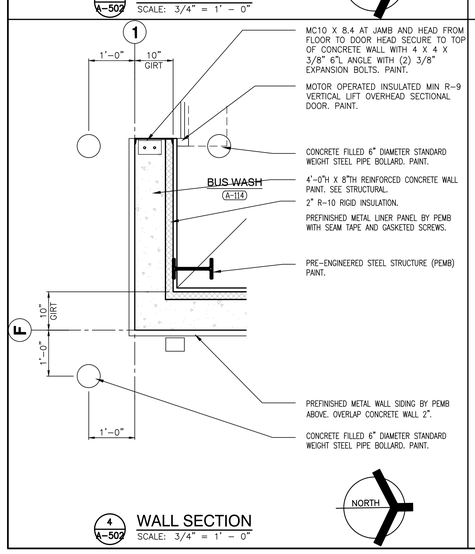
3 A-502 WALL SECTION
SCALE: 3/4" = 1' - 0"



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



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



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

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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

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CEDAR LAKE, INDIANA

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Email info@GibraltarDesign.com
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PROJECT
20-141
DATE
05/17/21
COORDINATED BY
CD
DRAWN BY
JKF, AB
CHECKED BY
JPB

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

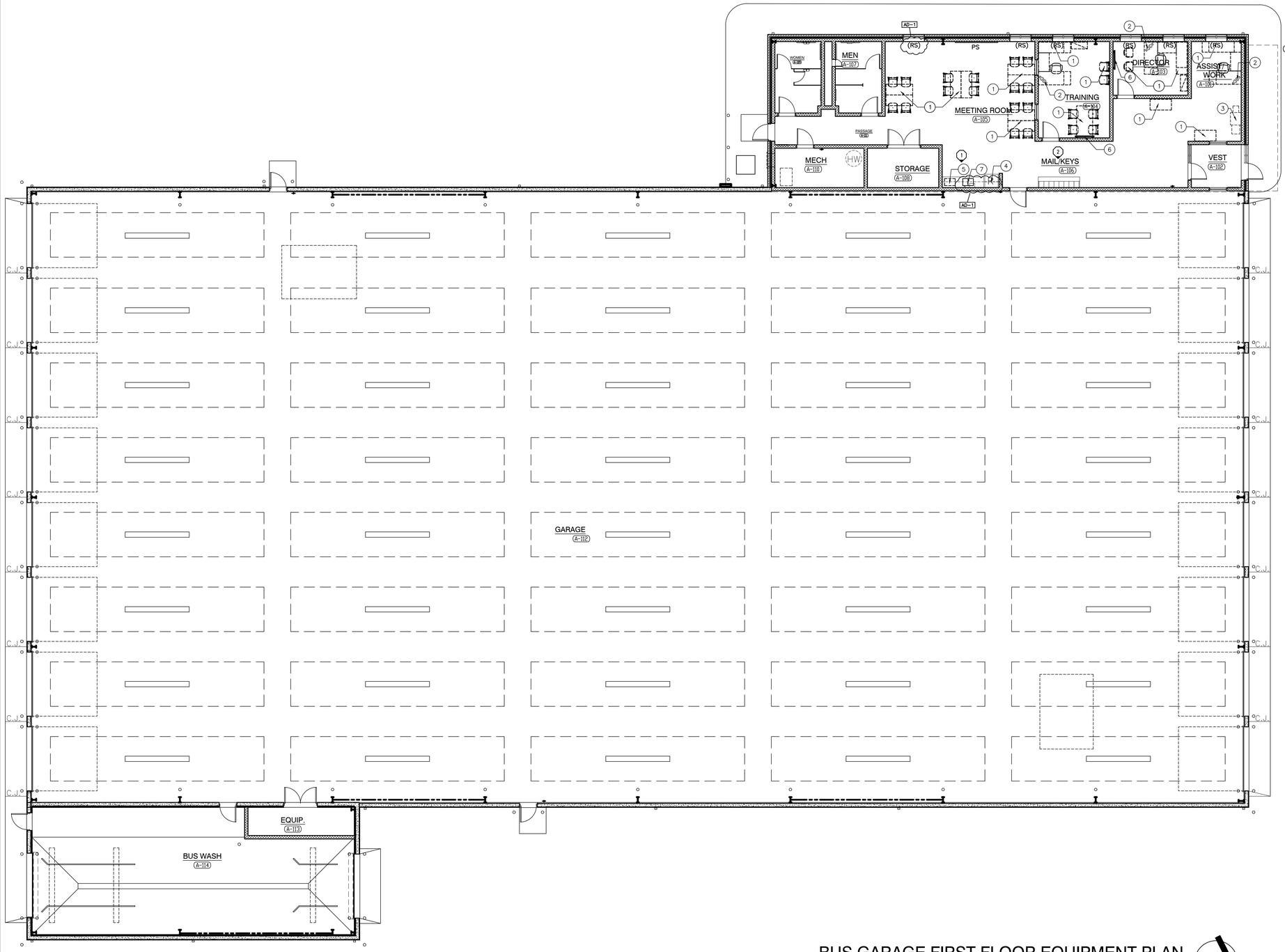
REVISIONS

MARK	DATE	ISSUED FOR
1	05/28/21	ADDENDUM #1

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

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-502



BUS GARAGE FIRST FLOOR EQUIPMENT PLAN

SCALE: 1/8" = 1'-0" (PRE-ENGINEERED METAL BUILDING)

NORTH

GENERAL EQUIPMENT NOTES:

A. REFER TO SPECIFICATIONS AND FINISH LEGEND FOR ADDITIONAL INFORMATION.

B. REFER TO G-301 FOR MOUNTING HEIGHTS

PLAN LEGEND:

(A-720) INDICATES MISCELLANEOUS CASEWORK ELEVATION SYMBOL – REFER TO A-720 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

------- INDICATES ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE BY OWNER. (NOT INCLUDED IN CONSTRUCTION CONTRACT)

- - - - INDICATES BULKHEADS OR OTHER OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).

(CG) INDICATES CORNER GUARD.

(RS) INDICATES ROLLER SHADE.

(PS) INDICATES PROJECTOR SCREEN

PLAN NOTES:

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

1. LOOSE FURNITURE, BY OWNER, INDICATED ON PLAN FOR ELECTRICAL AND TECHNOLOGY COORDINATION
2. COMPUTER/MONITOR, BY OWNER
3. PRINTER/COPIER, BY OWNER
4. REFRIGERATOR, BY OWNER
5. MICROWAVE, BY OWNER
6. TV MONITOR, REFER TO TECHNOLOGY DRAWINGS
7. SINK, REFER TO PLUMBING DRAWINGS

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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
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Phone 317.580.5777 Fax 317.580.5778

PROJECT
20-141
DATE
05/17/21
COORDINATED BY
MLR
DRAWN BY
ARM
CHECKED BY
NAS

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	5/27/21	ADDENDUM #1

DRAWING
FIRST FLOOR EQUIPMENT PLAN - BUILDING A

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-701

Thursday, 5/27/2021 – 11:57 AM – LAST SAVED BY:AMILLER
Y:\20-141 HANOVER CSC – NEW RESOURCE CENTER\20-141 DRAWINGS\05 ARCH\A-701.DWG

GENERAL EQUIPMENT NOTES:

A. REFER TO SPECIFICATIONS AND FINISH LEGEND FOR ADDITIONAL INFORMATION.

B. REFER TO G-301 FOR MOUNTING HEIGHTS

PLAN LEGEND:

(CS) INDICATES MISCELLANEOUS CASEWORK ELEVATION SYMBOL – REFER TO A-720 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

------- INDICATES ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE BY OWNER. (NOT INCLUDED IN CONSTRUCTION CONTRACT)

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(RS) INDICATES ROLLER SHADE.

(PS) INDICATES PROJECTOR SCREEN

PLAN NOTES:

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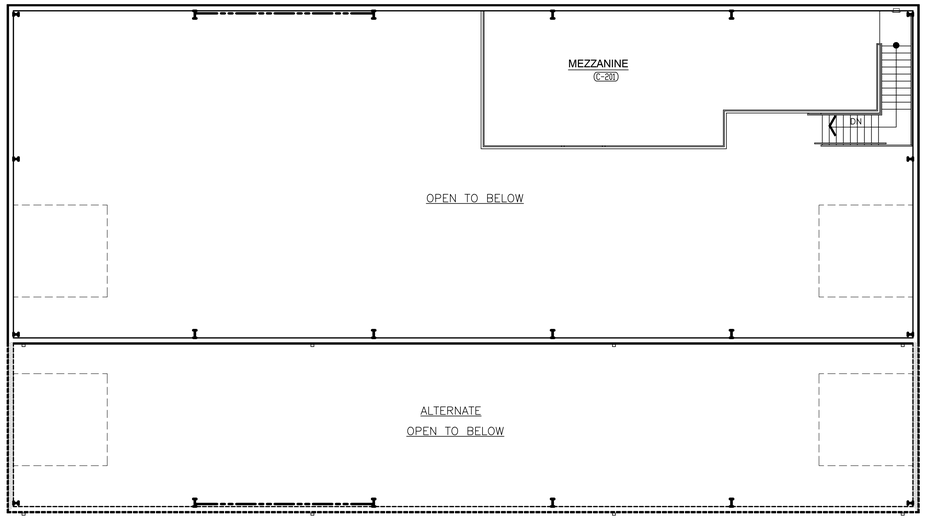
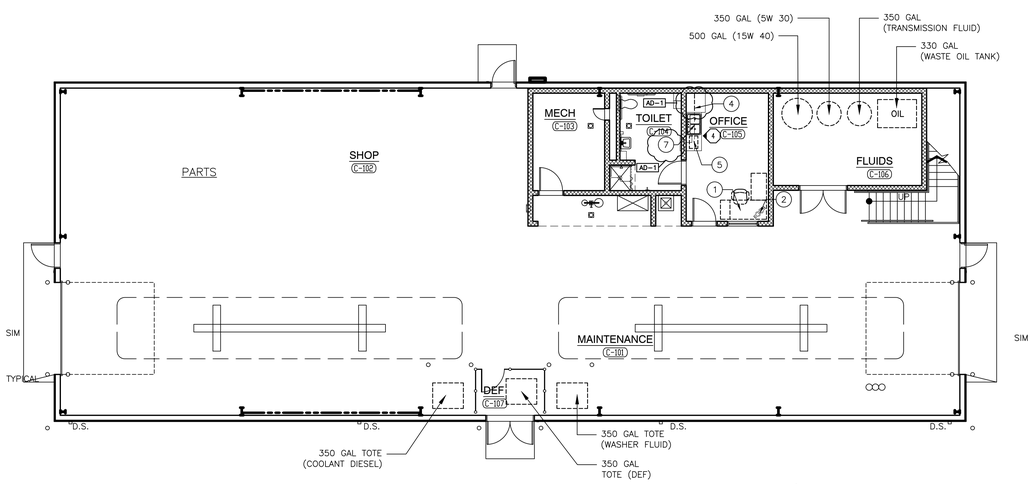
5. MICROWAVE, BY OWNER
6. TV MONITOR, REFER TO TECHNOLOGY DRAWINGS
7. SINK, REFER TO PLUMBING DRAWINGS



MECHANICS BUILDING C MEZZANINE EQUIPMENT PLAN

SCALE: 1/8" = 1'-0" (PRE-ENGINEERED METAL BUILDING)

NORTH



MECHANICS BUILDING C FIRST FLOOR EQUIPMENT PLAN

SCALE: 1/8" = 1'-0" (PRE-ENGINEERED METAL BUILDING)

NORTH

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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 MLR
DRAWN BY ARM
CHECKED BY NAS

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	5/27/21	ADDENDUM #1

DRAWING
FIRST FLOOR EQUIPMENT PLANS - BUILDING C

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-703

Thursday, 5/27/2021 – 11:56 AM – LAST SAVED BY:AMILLER
Y:\20-141 HANOVER CSC – NEW RESOURCE CENTER\20-141 DRAWINGS\05 ARCH\A-703.DWG

GENERAL EQUIPMENT NOTES:

A. REFER TO SPECIFICATIONS AND FINISH LEGEND FOR ADDITIONAL INFORMATION.

B. REFER TO G-301 FOR MOUNTING HEIGHTS

PLAN LEGEND:

(--) INDICATES MISCELLANEOUS CASEWORK ELEVATION SYMBOL – REFER TO A-720 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

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(PS) INDICATES PROJECTOR SCREEN

PLAN NOTES:

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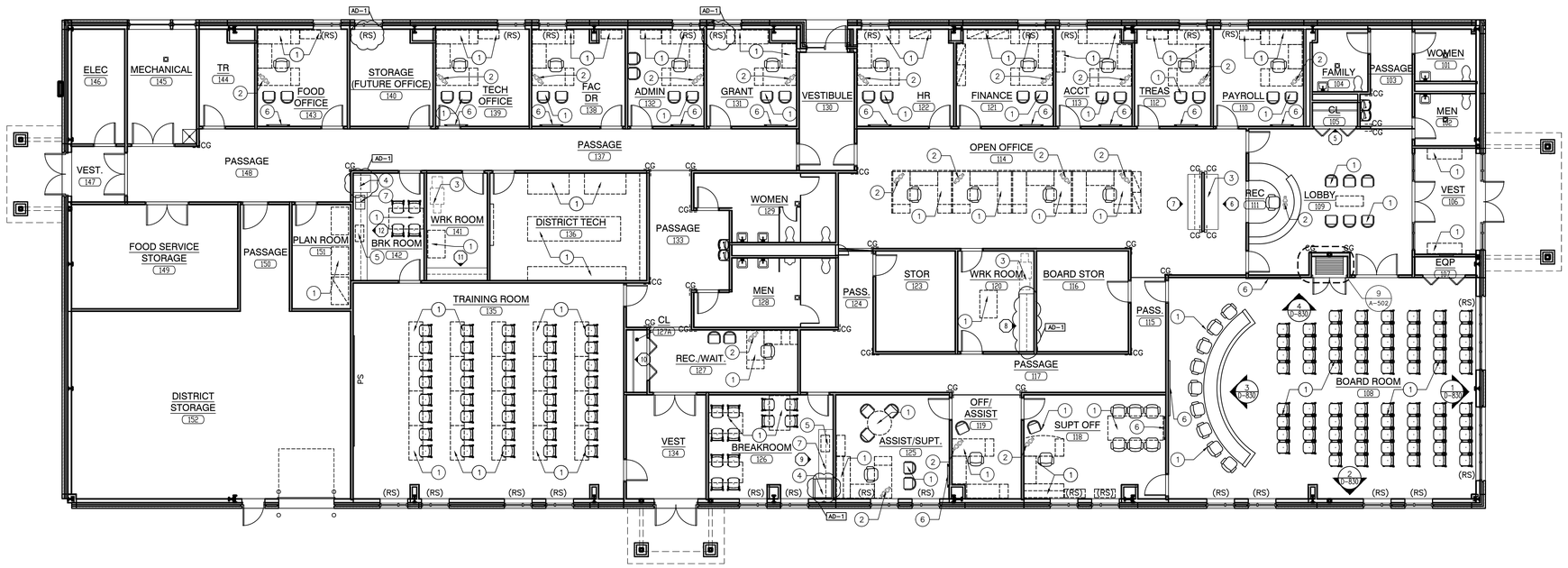
7. SINK, REFER TO PLUMBING DRAWINGS



RESOURCE CENTER FIRST FLOOR EQUIPMENT PLAN

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

NORTH

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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 MLR
DRAWN BY ARM
CHECKED BY NAS

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

REVISIONS

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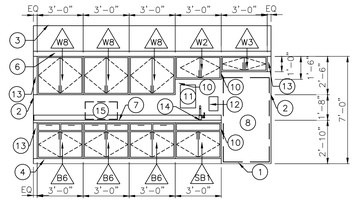
AD-1	5/27/21	ADDENDUM #1

DRAWING
FIRST FLOOR EQUIPMENT PLAN - BUILDING D

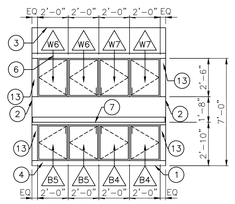
PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-705

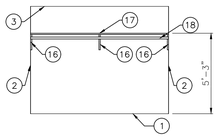
Thursday, 5/27/2021 – 11:58 AM – LAST SAVED BY:MILLER
Y:\20-141 HANOVER CSC – NEW RESOURCE CENTER\20-141 DRAWINGS\05 ARCH\A-705.DWG



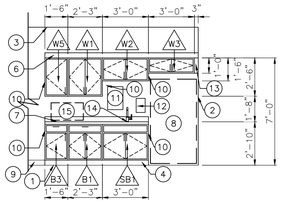
ELEVATION — CABINETS: PL3 COUNTERTOP: PL4 — 12
SCALE: 1/4"=1'-0"
ROOM: D-142



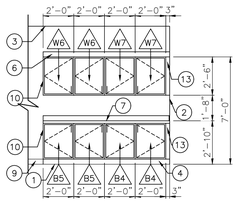
ELEVATION — CABINETS: PL3 COUNTERTOP: PL4 — 11
SCALE: 1/4"=1'-0"
ROOM: D-141



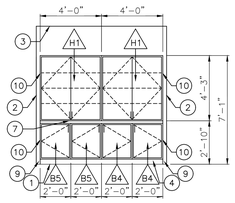
ELEVATION — 10
SCALE: 1/4"=1'-0"
ROOM: D-127A



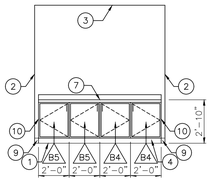
ELEVATION — CABINETS: PL3 COUNTERTOP: PL4 — 9
SCALE: 1/4"=1'-0"
ROOM: D-126



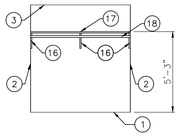
ELEVATION — CABINETS: PL3 COUNTERTOP: PL4 — 8
SCALE: 1/4"=1'-0"
ROOM: D-120



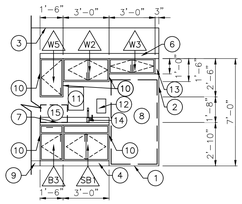
ELEVATION — CABINETS: PL3 COUNTERTOP: PL4 — 7
SCALE: 1/4"=1'-0"
ROOM: D-114



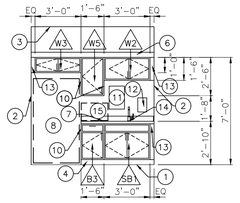
ELEVATION — CABINETS: PL3 COUNTERTOP: PL4 — 6
SCALE: 1/4"=1'-0"
ROOM: D-111



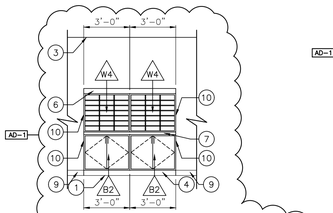
ELEVATION — 5
SCALE: 1/4"=1'-0"
ROOM: D-105



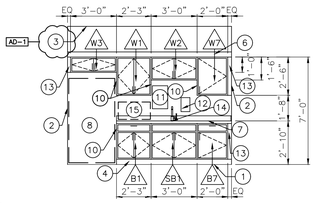
ELEVATION — CABINETS: PL3 COUNTERTOP: PL4 — 4
SCALE: 1/4"=1'-0"
ROOM: C-105



ELEVATION — CABINETS: PL3 COUNTERTOP: PL4 — 3
SCALE: 1/4"=1'-0"
ROOM: B-101



ELEVATION — CABINETS: PL3 COUNTERTOP: PL4 — 2
SCALE: 1/4"=1'-0"
ROOM: A-106



ELEVATION — CABINETS: PL3 COUNTERTOP: PL4 — 1
SCALE: 1/4"=1'-0"
ROOM: A-105

PLASTIC LAMINATE CASEWORK SCHEDULE

MARK	CATALOG NUMBER	WIDTH	DESCRIPTION
W1	16129	27"	14"D X 30"H DOORS, ADJUSTABLE SHELVES, SLOPE TOP
W2	16129	36"	14"D X 18"H DOORS, SLOPE TOP
W3	16129	36"	14"D X 12"H DOORS, SLOPE TOP
W4	16251	36"	14"D X 30"H MAIL CUBICLE SHELVES, SLOPE TOP
W5	16121	18"	14"D X 30"H LEFT HINGE DOOR, ADJUSTABLE SHELVES, SLOPE TOP
W6	16121	24"	14"D X 30"H LEFT HINGE DOOR, ADJUSTABLE SHELVES, SLOPE TOP
W7	16120	24"	14"D X 30"H RIGHT HINGE DOOR, ADJUSTABLE SHELVES, SLOPE TOP
W8	16129	36"	14"D X 30"H DOORS, ADJUSTABLE SHELVES, SLOPE TOP
B1	10430	27"	24"D X 32"H DRAWER, DOORS, ADJUSTABLE SHELF
B2	10129	36"	24"D X 32"H DOORS, ADJUSTABLE SHELF
B3	10422	18"	24"D X 32"H DRAWER, LEFT HINGE DOOR, ADJUSTABLE SHELF
B4	10120	24"	24"D X 32"H RIGHT HINGE DOOR, ADJUSTABLE SHELF
B5	10121	24"	24"D X 32"H LEFT HINGE DOOR, ADJUSTABLE SHELF
B6	10432	36"	24"D X 32"H 2 DRAWERS, DOORS, ADJUSTABLE SHELF
B7	10421	24"	24"D X 32"H DRAWER, RIGHT HINGE DOOR, ADJUSTABLE SHELF
SB1	10479	36"	24"D X 32"H FALSE FRONT DRAWER, DOORS, REMOVABLE BACK
H1	22181	48"	14"D X 51"H DOORS, CENTER DIVIDER, ADJUSTABLE SHELVES

GENERAL NOTES

A. FOR SCHEDULING PURPOSES ONLY, MODEL NUMBERS ARE TAKEN FROM STEVENS INDUSTRIES, INC. (UNLESS NOTED OTHERWISE) AND ARE FOR CABINET REQUIREMENTS ONLY. SEE SPECIFICATIONS FOR CABINET CONSTRUCTION METHODS.

B. FILLER PANELS, TRIM, AND MOLDING PROVIDED SHALL BE CONTINUOUS AS NECESSARY TO MAKE CASEWORK CONTINUOUS TO ADJACENT PARTITION, CEILING, AND/OR BULKHEAD.

C. WHERE CASEWORK REQUIRES SHIMMING, ONLY APPROVED METAL SHIMS SHALL BE USED.

D. CABINETS LOCATED IN FRONT OF A PIPE CHASE SHALL HAVE REMOVABLE BACKS.

E. ALL BACK SPLASHES AND END SPLASHES SHALL BE 4" HIGH UNLESS OTHERWISE NOTED.

F. VERIFY ALL CASEWORK DIMENSIONS WITH CASEWORK MANUFACTURER.

G. 4" HIGH VINYL COVE BASE AT ALL TOE SPACE AREAS AND AT EXPOSED SURFACES AND SIDES OF CABINETS ADJACENT TO TOE SPACES. BY FLOORING CONTRACTOR.

H. FIELD VERIFY ALL DIMENSIONS.

J. REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR DEVICE TYPES, HEIGHTS AND LOCATIONS.

K. REFER TO PLUMBING DRAWINGS AND SCHEDULES FOR FIXTURE TYPES AND LOCATIONS.

L. ALL EXPOSED SURFACES TO BE PLASTIC LAMINATE FINISHED, INCLUDING OPEN INTERIORS OF CABINETRY

M. ALL ADJOINING CABINETS SHALL BE ALIGNED.

N. ALL EXPOSED ENDS ARE TO BE FINISHED.

O. ALL CABINETS TO BE LOCKABLE. KEY ALIKE BY ROOM.

P. ALL PLASTIC LAMINATE COUNTERTOPS TO HAVE 3MM EDGE.

Q. ALL WALL AND FULL HEIGHT CABINETS TO RECEIVE PLASTIC LAMINATE SLOPE TOP. UNLESS OTHERWISE NOTED/SCHEDULED.

KEY NOTES

1. LINE OF FINISHED FLOOR
2. WALL LINE
3. CEILING LINE
4. 4" TOE SPACE WITH VINYL BASE
5. DOOR
6. SLOPED TOP
7. 25"D COUNTERTOP WITH 4" BACKSPLASH AND SIDESPLASH
8. REFRIGERATOR (BY OWNER)
9. 4" VINYL BASE
10. FINISHED BACK/END PANEL
11. PAPER TOWEL DISPENSER (OFCI)
12. SOAP DISPENSER (OFCI)
13. FILLER PANEL – FINISH TO MATCH FACE OF CABINETS.
14. SINK, SEE PLUMBING DRAWINGS
15. MICROWAVE, BY OWNER
16. METAL SUPPORT BRACKETS, BY CASEWORK CONTRACTOR
17. WOOD SHELF, BY CASEWORK CONTRACTOR
18. COAT ROD, BY CASEWORK CONTRACTOR

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 MLR
DRAWN BY ARM
CHECKED BY JPB NAS

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

REVISIONS

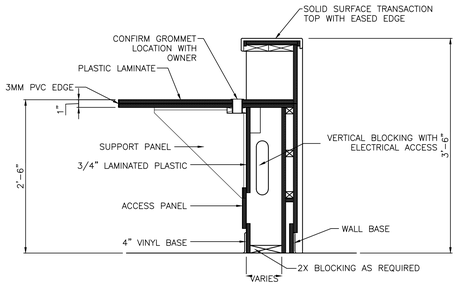
MARK	DATE	ISSUED FOR
AD-1	5/27/21	ADDENDUM #1

DRAWING
CASEWORK ELEVATIONS AND SCHEDULE

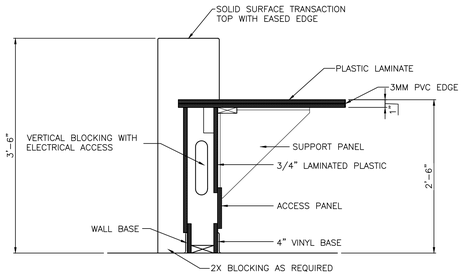
PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-720

Thursday, 5/27/2021 – 11:58 AM – LAST SAVED BY:AMILLER
Y:\20-141 HANOVER CSC – NEW RESOURCE CENTER\20-141 DRAWINGS\05 ARCH\A-720.DWG



5 / A-721 **SECTION**
SCALE: 1" = 1'-0"



4 / A-721 **SECTION**
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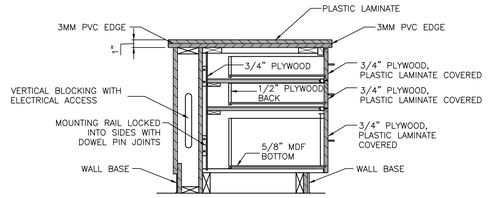

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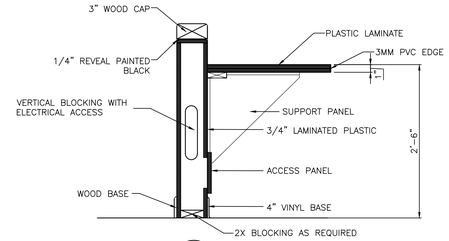


6 / A-721 **SECTION**
SCALE: 1" = 1'-0"

GENERAL NOTES

A. REFER TO FINISH LEGEND (A-810) FOR FINISH INFORMATION. REFERENCE WRITTEN SPECIFICATIONS AND PLANS FOR ADDITIONAL INFORMATION.

B. FILLER PANELS, TRIM, AND MOLDING PROVIDED SHALL BE CONTINUOUS AS NECESSARY TO MAKE CASEWORK CONTINUOUS TO ADJACENT PARTITION, CEILING, AND/OR BULKHEAD.

C. WHERE CASEWORK REQUIRES SHIMMING, ONLY APPROVED METAL SHIMS SHALL BE USED.

D. CABINETS LOCATED IN FRONT OF A PIPE CHASE SHALL HAVE REMOVABLE BACKS.

E. 4" HIGH VINYL COVE BASE AT RECEPTION DESK TOE SPACE AREAS AND AT EXPOSED SURFACES AND SIDES OF CABINETS ADJACENT TO TOE SPACES.

F. 6" HIGH WOODEN BASE AT BOARD ROOM DESK TOE SPACE AREAS AND AT EXPOSED SURFACES AND SIDES OF CABINETS ADJACENT TO TOE SPACES.

G. FIELD VERIFY ALL DIMENSIONS.

H. REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR DEVICE TYPES, HEIGHTS AND LOCATIONS.

I. ALL EXPOSED SURFACES TO BE PLASTIC LAMINATE FINISHED, INCLUDING OPEN INTERIORS OF CABINETRY

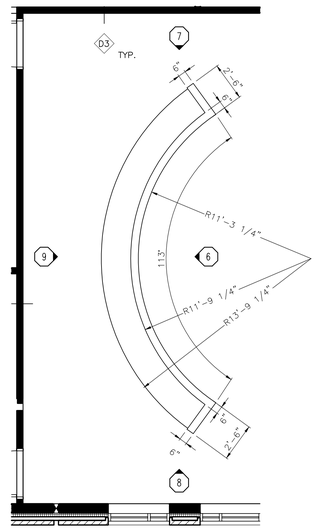
J. ALL ADJOINING CABINETS SHALL BE ALIGNED.

K. ALL EXPOSED ENDS ARE TO BE FINISHED.

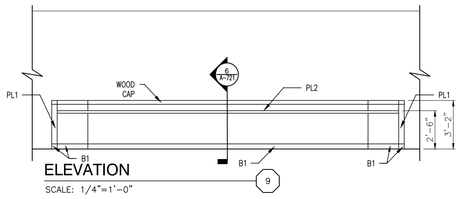
L. ALL CABINETS TO BE LOCKABLE. KEY ALIKE BY ROOM.

M. ALL PLASTIC LAMINATE COUNTERTOPS TO HAVE 3MM PVC EDGE.

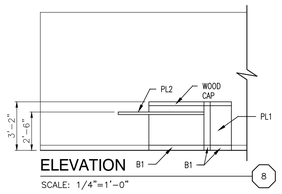
AD-1
ENTIRE SHEET ISSUED IN THIS ADDENDUM



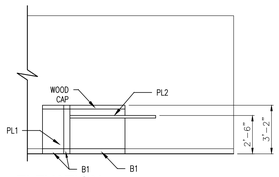
2 / A-721 **ENLARGED PLAN**
SCALE: 1/4" = 1'-0"



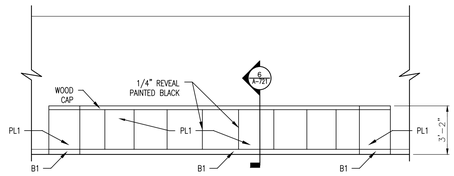
ELEVATION
SCALE: 1/4"=1'-0" 9



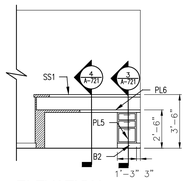
ELEVATION
SCALE: 1/4"=1'-0" 8



ELEVATION
SCALE: 1/4"=1'-0" 7



ELEVATION
SCALE: 1/4"=1'-0" 6



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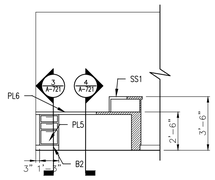
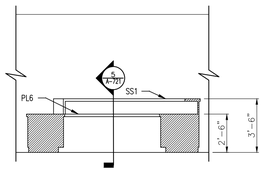
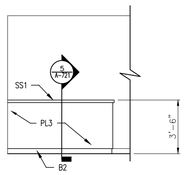


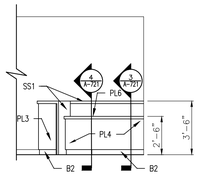
ELEVATION
SCALE: 1/4"=1'-0" 5



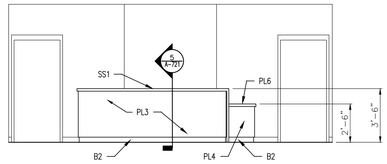
ELEVATION
SCALE: 1/4"=1'-0" 4



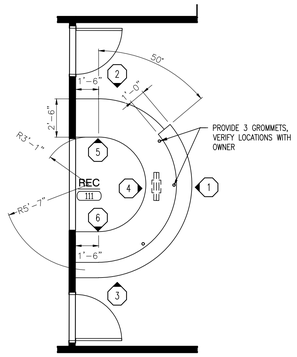
ELEVATION
SCALE: 1/4"=1'-0" 3



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



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



1 / A-721 **ENLARGED PLAN**
SCALE: 1/4" = 1'-0"

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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
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Phone 317.580.5777 Fax 317.580.5778

PROJECT 20-141
DATE 05/17/21
COORDINATED BY MLR
DRAWN BY ARM
CHECKED BY JPB NAS

REGISTERED ARCHITECT NO. AR11600005 STATE OF INDIANA

REVISIONS

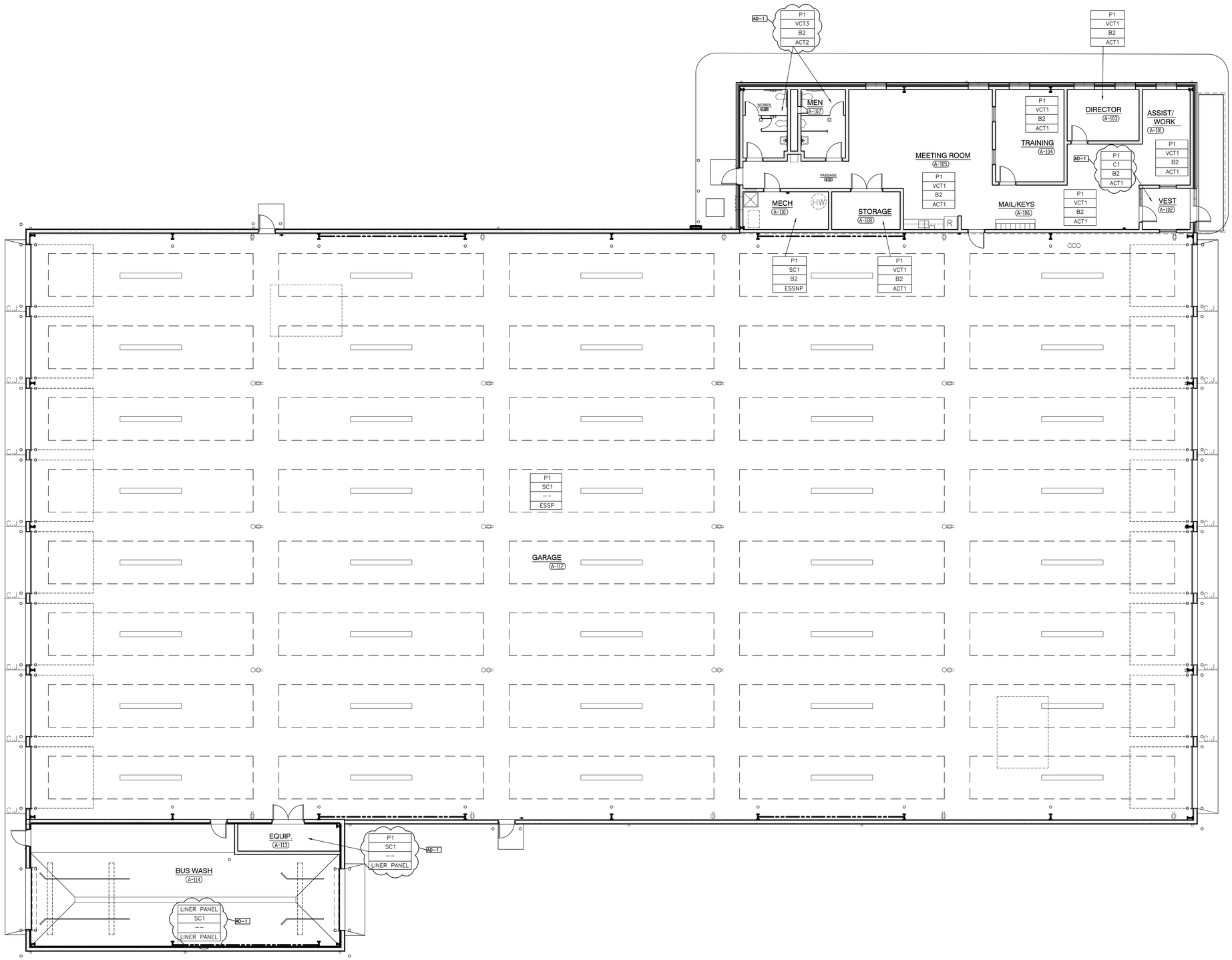
MARK	DATE	ISSUED FOR
AD-1	5/27/21	ADDENDUM #1

DRAWING
MILLWORK ENLARGED PLANS AND ELEVATIONS AND DETAILS

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-721

Thursday, 5/27/2021 - 3:39 PM - LAST SAVED BY:AMILLER
Y:\20-141 HANOVER CSC - NEW RESOURCE CENTER\20-141 DRAWINGS\05 ARCH\A-721.DWG



FIRST FLOOR FINISH PLAN - BUILDING A

1 A-801

SCALE: 1/8" = 1'-0" (PRE-ENGINEERED METAL BUILDING)

NORTH

GENERAL NOTES:

REFERENCE FINISH LEGEND (A-810) FOR FINISH INFORMATION.

REFERENCE WRITTEN SPECIFICATIONS AND REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION.

GENERAL FINISH NOTES:

A. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSTRUED THAT THE INSTALLER AND/OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.

B. PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.

C. ALL FLOORING IS TO BE LEVELED WITHIN 1/4" IN 10'-0" WITH LATEX MATERIAL. MOISTURE CONTENT IN AREA IS TO BE TESTED PRIOR TO INSTALLATION OF FLOORING MATERIAL. CONTRACTOR TO INSTALL FLOORING PER MANUFACTURER'S RECOMMENDED METHOD.

D. FLOORING CONTRACTOR TO SUBMIT A SEAMING DIAGRAM FOR FLOORING MATERIALS INCLUDING NOTATION OF MATERIAL DIRECTION.

E. ALL FLOORING TRANSITIONS SHALL COMPLY WITH ADA GUIDELINES.

F. ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC. THAT ARE NOTED TO BE PAINTED ARE TO BE PAINTED WITH ALKYD TYPE PAINT. COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.

G. CONTRACTOR TO PROVIDE AND INSTALL FLOORING TRANSITIONS AS INDICATED ON THE FLOOR PATTERN PLANS. WHERE NONE ARE NOTED, CONTRACTOR TO VERIFY REQUIRED TYPE/COLOR WITH DESIGNER.

H. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NEW INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 803.

I. ALL EXISTING AND NEW HALLOW METAL DOOR FRAMES TO BE PAINTED, P4, UNLESS NOTED OTHERWISE.

FINISH SYMBOL LEGEND:

P1	WALL FINISH
C1	FLOOR FINISH
B1	BASE FINISH
--	CEILING FINISH

PLAN NOTES:

1. PAINT, P2
2. WALL PANEL, WP1, TO BE PAINTED, P3
3. WALL COVERING, WC2
4. WALL COVERING, WC4
5. WALL COVERING, WC5
6. WALL TILE, WT1
7. WALL TILE, WT2
8. INDICATED WALL COVERING TO DIE INTO WOOD CASING.

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DESIGN
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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 MLR
DRAWN BY JFK,AB,ARM
CHECKED BY JPB NAS

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	5/27/21	ADDENDUM #1

DRAWING
FIRST FLOOR FINISH PLAN
BUS GARAGE
BUILDING A

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-801

Thursday, 5/27/2021 - 4:33 PM - LAST SAVED BY:AMILLER
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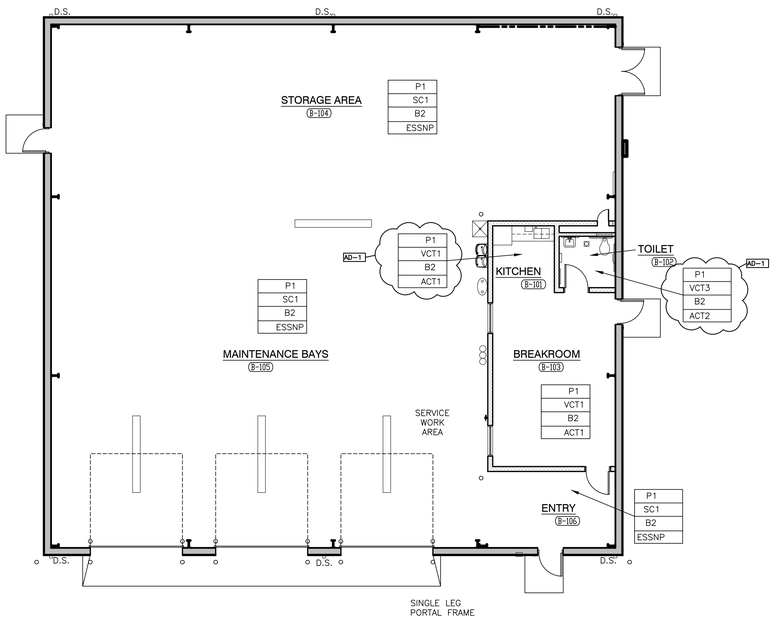

1 A-802

FIRST FLOOR FINISH PLAN - BUILDING B

SCALE: 1/8" = 1'-0" (PRE-ENGINEERED METAL BUILDING)

GENERAL NOTES:

REFERENCE FINISH LEGEND (A-810) FOR FINISH INFORMATION.

REFERENCE WRITTEN SPECIFICATIONS AND REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION.

GENERAL FINISH NOTES:

A. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSTRUED THAT THE INSTALLER AND/OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.

B. PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.

C. ALL FLOORING IS TO BE LEVELED WITHIN 1/4" IN 10'-0" WITH LATEX MATERIAL. MOISTURE CONTENT IN AREA IS TO BE TESTED PRIOR TO INSTALLATION OF FLOORING MATERIAL. CONTRACTOR TO INSTALL FLOORING PER MANUFACTURER'S RECOMMENDED METHOD.

D. FLOORING CONTRACTOR TO SUBMIT A SEAMING DIAGRAM FOR FLOORING MATERIALS INCLUDING NOTATION OF MATERIAL DIRECTION.

E. ALL FLOORING TRANSITIONS SHALL COMPLY WITH ADA GUIDELINES.

F. ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC. THAT ARE NOTED TO BE PAINTED ARE TO BE PAINTED WITH ALKYD TYPE PAINT. COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.

G. CONTRACTOR TO PROVIDE AND INSTALL FLOORING TRANSITIONS AS INDICATED ON THE FLOOR PATTERN PLANS. WHERE NONE ARE NOTED, CONTRACTOR TO VERIFY REQUIRED TYPE/COLOR WITH DESIGNER.

H. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NEW INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 803.

I. ALL EXISTING AND NEW HALLOW METAL DOOR FRAMES TO BE PAINTED, P4, UNLESS NOTED OTHERWISE.

FINISH SYMBOL LEGEND:

P1	WALL FINISH
C1	FLOOR FINISH
B1	BASE FINISH
--	CEILING FINISH

PLAN NOTES:

1. PAINT, P2
2. WALL PANEL, WP1, TO BE PAINTED, P3
3. WALL COVERING, WC2
4. WALL COVERING, WC4
5. WALL COVERING, WC5
6. WALL TILE, WT1
7. WALL TILE, WT2
8. INDICATED WALL COVERING TO DIE INTO WOOD CASING.

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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 MLR
DRAWN BY JFK,AB,ARM
CHECKED BY JPB NAS

REGISTERED NO. AR11600005 STATE OF INDIANA ARCHITECT

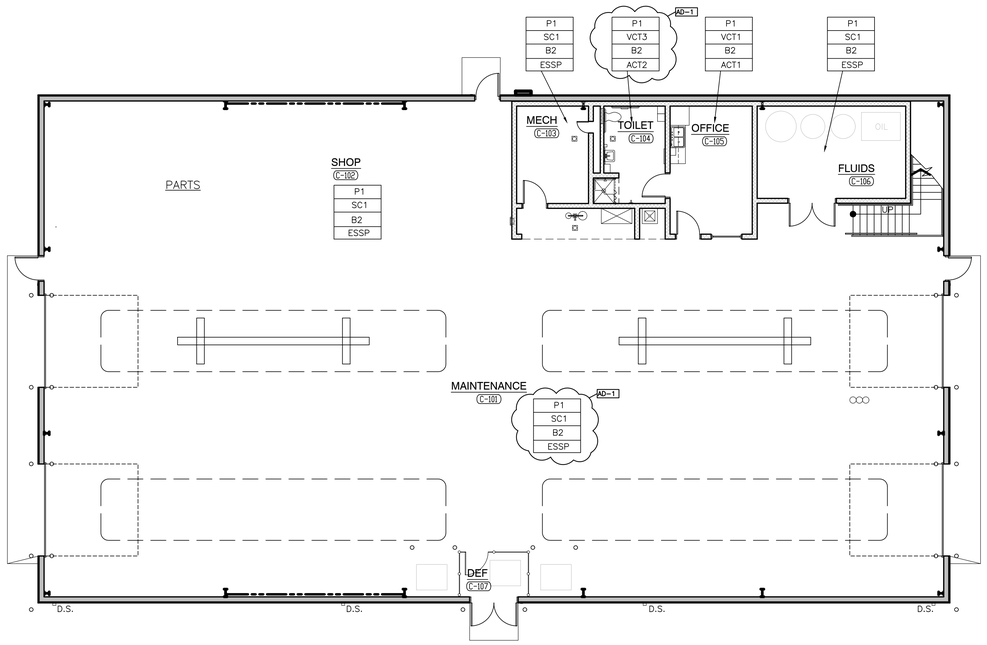
REVISIONS

MARK	DATE	ISSUED FOR
AD-1	5/27/21	ADDENDUM #1

DRAWING
FIRST FLOOR FINISH PLAN
MAINTENANCE BUILDING
BUILDING B

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-802

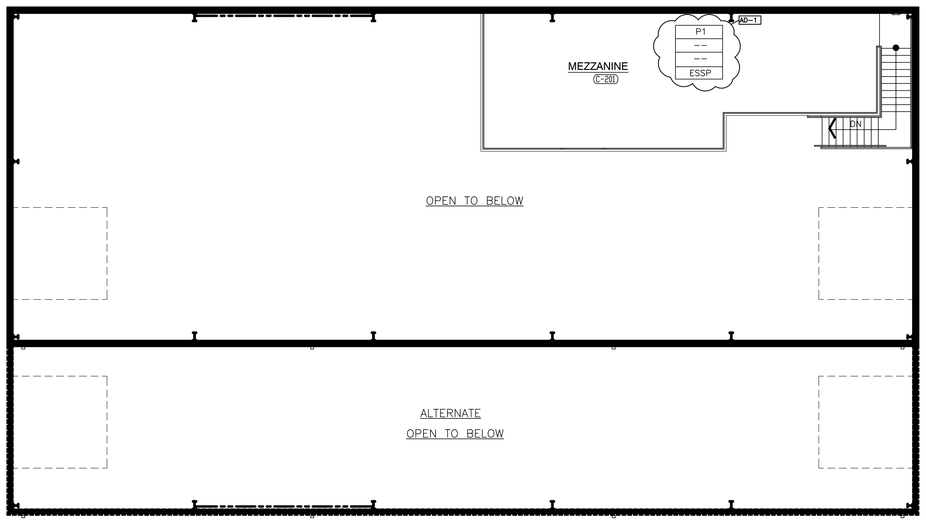


1 A-803

FIRST FLOOR FINISH PLAN - BUILDING C

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

NORTH



2 A-803

MEZZANINE FINISH PLAN - BUILDING C

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

NORTH

GENERAL NOTES:

REFERENCE FINISH LEGEND (A-810) FOR FINISH INFORMATION.

REFERENCE WRITTEN SPECIFICATIONS AND REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION.

GENERAL FINISH NOTES:

A. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSTRUED THAT THE INSTALLER AND/OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.

B. PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.

C. ALL FLOORING IS TO BE LEVELED WITHIN 1/4" IN 10'-0" WITH LATEX MATERIAL. MOISTURE CONTENT IN AREA IS TO BE TESTED PRIOR TO INSTALLATION OF FLOORING MATERIAL. CONTRACTOR TO INSTALL FLOORING PER MANUFACTURER'S RECOMMENDED METHOD.

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E. ALL FLOORING TRANSITIONS SHALL COMPLY WITH ADA GUIDELINES.

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FINISH SYMBOL LEGEND:

P1	WALL FINISH
C1	FLOOR FINISH
B1	BASE FINISH
--	CEILING FINISH

PLAN NOTES:

1. PAINT, P2
2. WALL PANEL, WP1, TO BE PAINTED, P3
3. WALL COVERING, WC2
4. WALL COVERING, WC4
5. WALL COVERING, WC5
6. WALL TILE, WT1
7. WALL TILE, WT2
8. INDICATED WALL COVERING TO DIE INTO WOOD CASING.

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HANOVER COMMUNITY SCHOOL CORPORATION
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CHECKED BY JPB NAS

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

REVISIONS

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AD-1	5/27/21	ADDENDUM #1

DRAWING
FIRST AND SECOND FLOOR FINISH PLANS
MECHANICS BUILDING
BUILDING C

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-803

Thursday, 5/27/2021 - 4:34 PM - LAST SAVED BY:AMILLER
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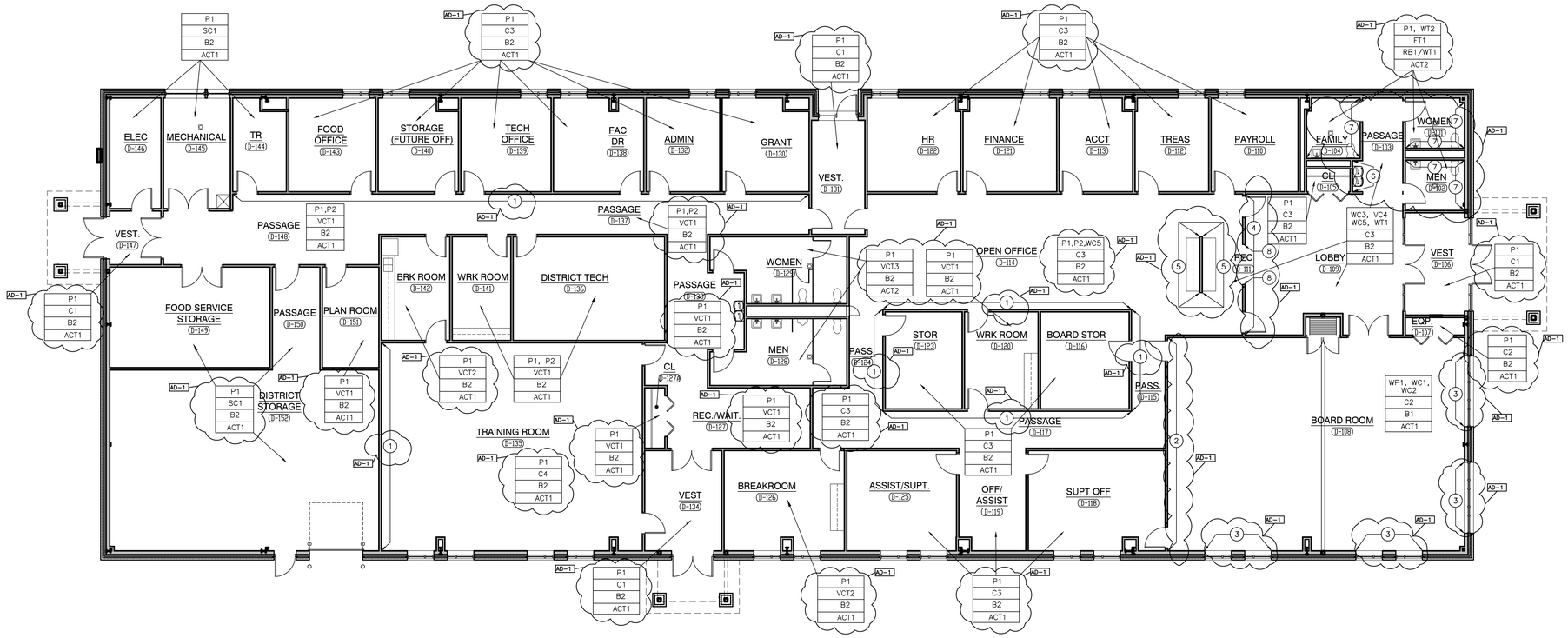

FIRST FLOOR FINISH PLAN - BUILDING D

1 / A-804

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

NORTH

GENERAL NOTES:

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8. INDICATED WALL COVERING TO DIE INTO WOOD CASING.

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COORDINATED BY MLR
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CHECKED BY JPB NAS

MICHAEL L. ROUSELIP REGISTERED NO. AR11600005 STATE OF INDIANA

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AD-1	5/27/21	ADDENDUM #1

DRAWING
FIRST FLOOR FINISH PLAN
RESOURCE CENTER
BUILDING D

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-804

Thursday, 5/27/2021 - 4:34 PM - LAST SAVED BY:AMILLER
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FINISH LEGEND

SURFACE	MARK	DESCRIPTION	MANUFACTURER	PATTERN/FINISH	NUMBER/COLOR	SIZE	COMMENTS
CEILING MATERIALS							
	ACT1	ACOUSTICAL CEILING	ARMSTRONG	SQUARE LAY-IN	1728 FINE FISSURED	2'X2'	WITH HUMIGUARD PLUS PERFORMANCE
	ACT2	ACOUSTICAL CEILING	ARMSTRONG	CLEAN ROOM	VL-NONPERFORATED	2'X2'	WITH HUMIGUARD PLUS PERFORMANCE
	ESSP	EXPOSED STRUCTURE PAINTED	SHERWIN WILLIAMS	SW 7007	CEILING BRIGHT WHITE	--	
	ESSNP	EXPOSSED STRUCTURE	NON-PAINTED				
WALL BASE							
	B1	WOOD BASE	WOOD BASE	--	--	6"	
	B2	RESILIENT BASE	JOHNSONITE	COVE	20 CHARCOAL	4"	
FLOOR MATERIALS							
	C1	CARPET TILE	TARKETT	ABRASIVE ACTION II	WINTER GRAY 19103	24"X24"	
	C2	CARPET TILE	TARKETT	AIDA CLOTH	INDIGO RUN	18"X36"	
	C3	CARPET TILE	TARKETT	11563 GUARDIAN NXT	38501 DEEP SKY	24"X24"	
	C4	CARPET TILE	TARKETT	01957 CRAYON	48002 TIDAL WAVE	24"X24"	
	FT1	PORCELAIN TILE	DALTILE	PORTFOLIO	PF06 IRON GREY	12"X24"	
	VCT1	VINYL COMPOSITE TILE	ARMSTRONG	IMPERIAL TEXTURE	57551 PERFECT STORM	12"X12"	
	VCT2	VINYL COMPOSITE TILE	ARMSTRONG	CROWN TEXTURE	5C230 VICTORIA BLUE	12"X12"	
	VCT3	VINYL COMPOSITE TILE	ARMSTRONG	IMPERIAL TEXTURE	51934 LAVENDER SHADOW	12"X12"	
	SC	SEALED CONCRETE					
WALL MATERIALS							
	P1	PAINT	SHERWIN WILLIAMS	PASSIVE	SW 7064		
	P2	PAINT	SHERWIN WILLIAMS	--	--		
	P3	PAINT	SHERWIN WILLIAMS	MARCH WIND	SW 7668		
	P4	PAINT	SHERWIN WILLIAMS	WEB GRAY	SW 7075		
	WC1	WALLCOVERING	MDC-BOLTA CONTRACT	BEAD BARE	PENCIL		
	WC2	WALLCOVERING	MDC-BOLTA CONTRACT	BEAD BARE	CHANTON SHADOW		
	WC3	WALLCOVERING	SYMPHONY	ON STAGE	VENUE GREY		
	WC4	WALLCOVERING	SYMPHONY	ON STAGE	MOONDANCE		
	WC5	WALLCOVERING	SYMPHONY	ON STAGE	SAPPHIRE SOLO		
	WT1	WALL TILE	CROSSVILLE LAMINAM	CALCE	GRIGO	1MX3M	
	WT2	WALL TILE	CROSSVILLE LAMINAM	I NATURALI	OSSIDIANA VENA CHIARA	1MX3M	
	WP1	WALL PANEL	MODULARARTS	NTERLOCKING ROCK	VEIL PANELS	32"X32"	
AD-1 **CASEWORK AND MILLWORK**							
	SS1	SOLID SURFACE	CORIAN	--	LIMESTONE PRIMA	--	
	PL1	PLASTIC LAMINATE	WILSONART	FINEGRAIN FINISH	MONTANA WALNUT	--	
	PL2	PLASTIC LAMINATE	FORMICA	MATTE FINISH	FOLKSTONE CELESTA	--	
	PL3	PLASTIC LAMINATE	FORMICA	MATTE FINISH	GRAPHITE TWILL	--	
	PL4	PLASTIC LAMINATE	FORMICA	PAPER FINISH	NATURAL GRAY FELT	--	
	PL5	PLASTIC LAMINATE	FORMICA	MATTE FINISH	STORM	--	
	PL6	PLASTIC LAMINATE	FORMICA	MATTE FINISH	FOLKSTONE GRAFIX	--	
MISC.							
	TRIM1	TILE TRIM	--	--	--	--	
	TRIM2	TILE TRIM	--	--	--	--	
	CG1	CORNER GUARD	--	--	--	--	FULL HEIGHT
	WD1	WOOD DOOR	--	--	NUTMEG	--	
	TP1	TOILET PARTITION	--	--	--	--	

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CEDAR LAKE, INDIANA

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PROJECT
20-141
DATE
05/17/21
COORDINATED BY
MR
DRAWN BY
ARM
CHECKED BY
NAS

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	5/27/21	ADDENDUM #1

DRAWING
FINISH LEGEND

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-810

Thursday, 5/27/2021 - 4:33 PM - LAST SAVED BY:AMILLER
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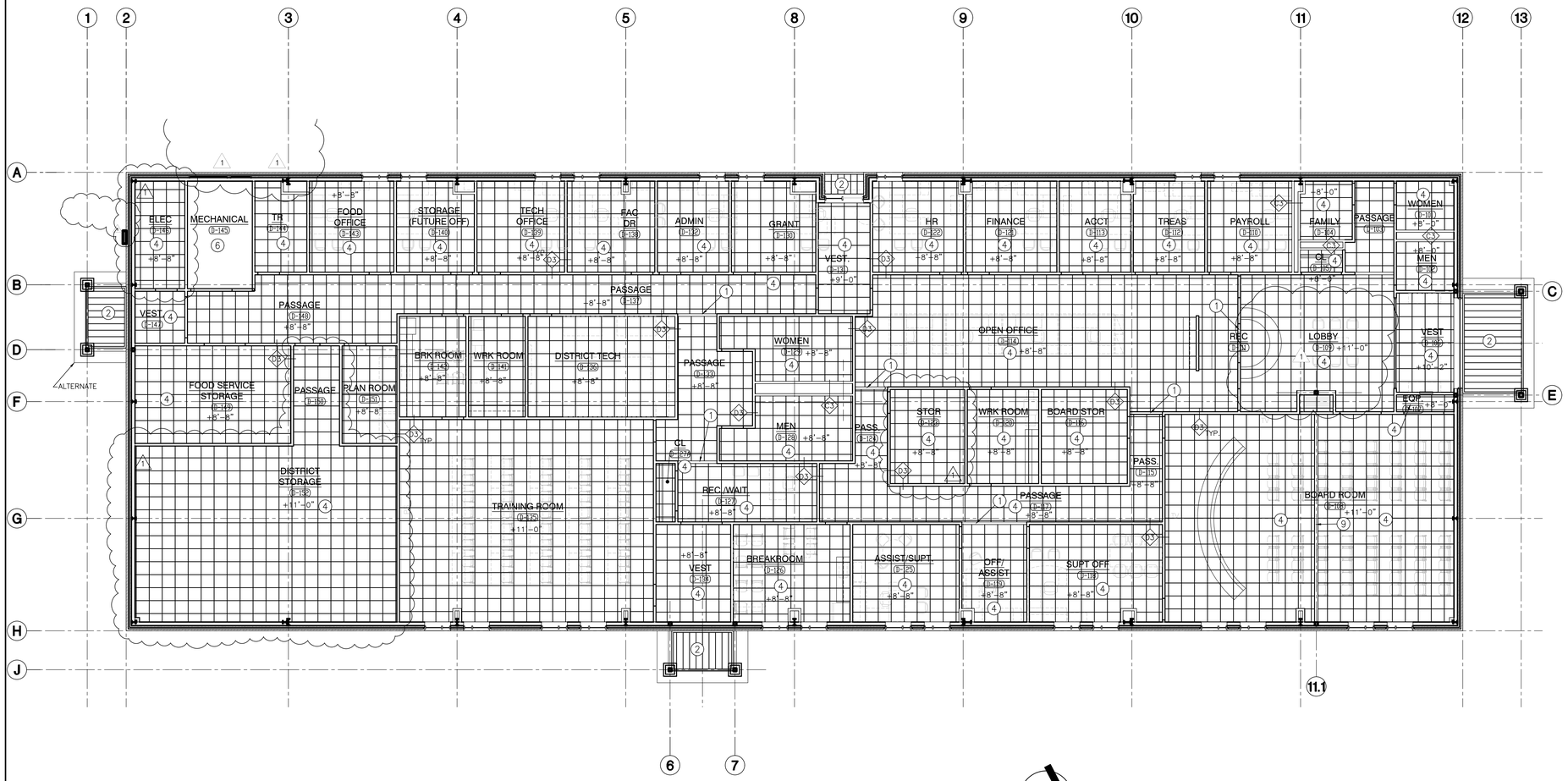

FIRST FLOOR REFLECTED CEILING PLAN - BUILDING D

SCALE: 1/8" = 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" & 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.

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

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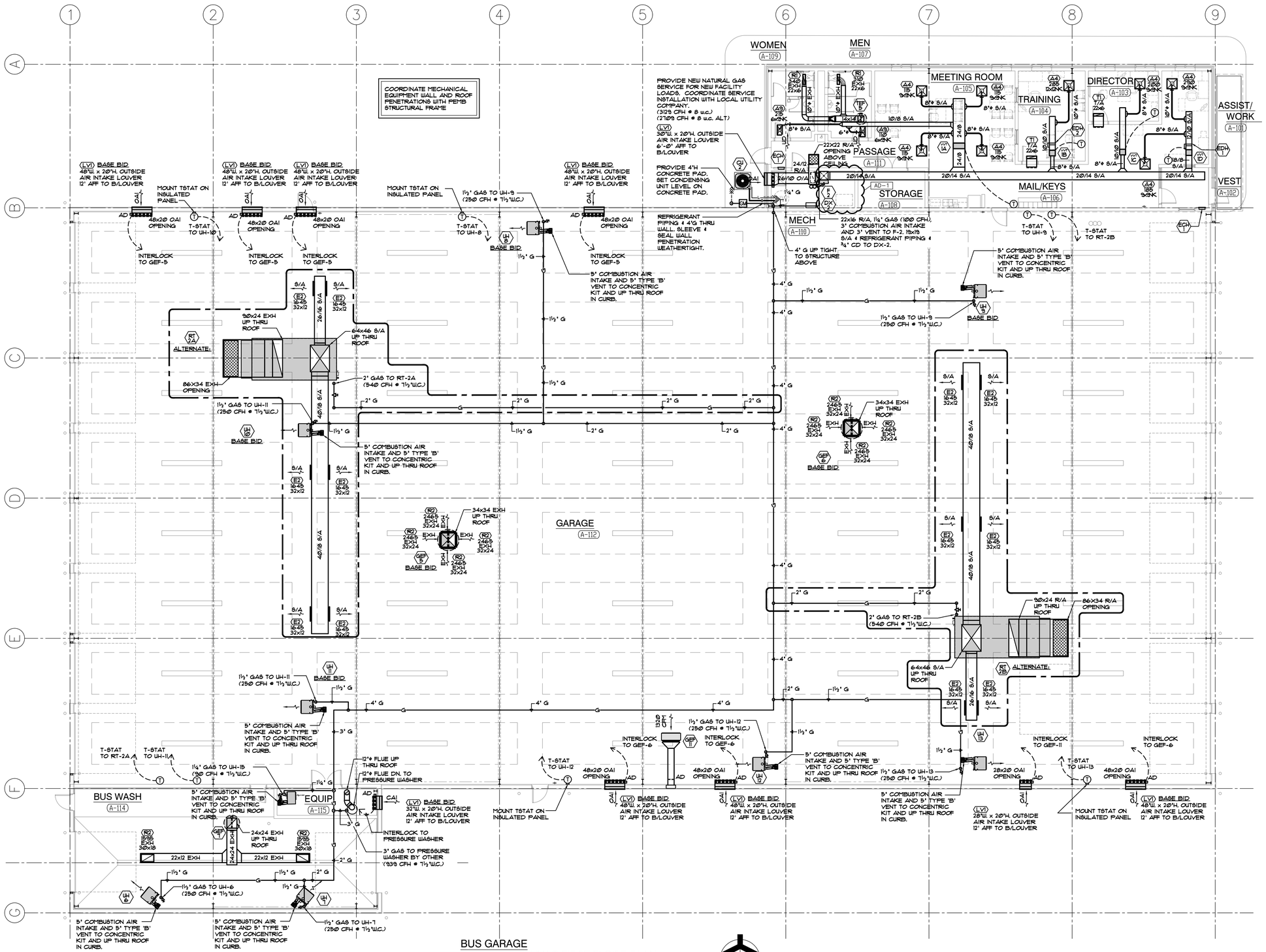
REFLECTED CEILING PLAN
RESOURCE CENTER
BUILDING D

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
A-904



BUS GARAGE
MECHANICAL HVAC FIRST FLOOR PLAN

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

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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

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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 #2257.1Ø3	NOTE #1	MANUAL FLUSH VALVE	SLOAN "REGAL PRO" #116-1.6	NOTE #10	BEMIS #155-C SEAT	-	-	-	-	-	-	-	-
WC-2	WATER CLOSET	VITREOUS CHINA, WALL MOUNTED, ADA	AMERICAN STANDARD #2257.1Ø3	NOTE #1	MANUAL FLUSH VALVE	SLOAN "REGAL PRO" #111-1.6	NOTE #10	BEMIS #155-C SEAT	-	-	-	-	-	-	-	-
UR-1	URINAL	VITREOUS CHINA, WALL MOUNTED, ADA	AMERICAN STANDARD #6501.1Ø10	NOTE #1	MANUAL FLUSH VALVE	SLOAN "REGAL PRO" #186-1.Ø	NOTE #10	-	-	-	-	-	-	-	-	-
L-1	LAVATORY	VITREOUS CHINA, WALL MOUNTED, 2Ø"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	-	-	-	-	-	-	-	-	-	12Ø	1	6Ø
EWC-2	ELECTRIC WATER COOLER	ELECTRIC WALL MOUNTED , DUAL LEVEL W/ BOTTLE FILLER	ELKAY #LZSTL8WSLP	NOTE #2	-	-	-	-	-	-	4.8	-	-	115	1	6Ø
SH-1	SHOWER	-	-	-	1-HANDLE PRESSURE/TEMP. BALANCED	POWERS #E71Ø-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"x2Ø"x5-1/2"	JUST #J-ADA-4821Ø	NOTE #3	WALL MOUNTED SERVICE FAUCET	CHICAGO FAUCET CO. #897	NOTE #11	STRAINER, DRAIN ASSEMBLY, MCGUIRE #42167CCLK SUPPLIES	-	-	-	-	-	-	-	-
MB-1	MOP BASIN	MOLDED STONE, 3Ø"x3Ø"x6"H	FIAT #SB-3Ø3Ø	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 #1Ø1Ø-G6	NOTE #5	-	-	-	VANDALPROOF SCREWS, PLUGGED TRAP PRIMER	-	-	-	-	-	-	-	-
FS-1	FLOOR SINK	CAST IRON, 8-1/8" DEEP, ACID RESISTING, 12"x12" TOP	WADE #914Ø	NOTE #5	-	-		ALUMINUM DOME STRAINER, SECURED HINGED GRATE, SLOPED RIM	-	-	-	-	-	-	-	-
SC-1	SILLCOCK	NON-FREEZE, VACUUM BREAKER, REMOVABLE KEY	WADE #86ØØ	NOTE #6	-	-	-	-	-	-	-	-	-	-	-	-
TW-1	TEMPERED WATER VALVE	TEMPERED WATER VALVE	BRADLEY #959-4ØØØA TMV	NOTE #7	-	-	-	-	-	-	-	-	-	-	-	-
DB-1	DOMESTIC BOOSTER PUMP	75 GPM @ 65 PSI DISCHARGE W/ SUCTION @ 3Ø PSI	METROPOLITAN #18-MT111-2D-PHI-35B	-	-	-		W/ 1Ø6 GAL. TANK, 3" SUCTION/ 3" DISCHARGE, (5Ø-GPM @ 8Ø-FT. TDH EA. PUMP)	(2) 2	-	-	-	-	48Ø	3	6Ø
TWH-1	TANKLESS WATER HEATER	199 MBH, 4.1 GPM @ 9Ø DEGREE RISE (GAS FIRED)	NORITZ #NCC199I-DV	-	-	-	-	ISOLATION KIT, TEMP. RELIEF VALVE, DRAIN VALVE AND CONDENSATE PIPED TO FLOOR DRAIN	-	-	-	-	-	12Ø	1	6Ø
WH-1	WATER HEATER	15 KW, 77 GPH, 5Ø GAL. STORAGE	STATE #CSB 52 15 SFE	NOTE #8	-	-	-	-	-	15	-	-	-	2ØØ	1	6Ø
WH-2	WATER HEATER	6 KW, 24 GPH, 3Ø GAL. STORAGE	STATE #PCE 3Ø 2OLSA	NOTE #8	-	-	-	-	-	6	-	-	-	2ØØ	1	6Ø
IWH-1	WATER HEATER	56° RISE @ Ø.5 GPM FLOW RATE, UNIT TO OPERATE AT 3Ø PSI MIN.	EEMAX #SPEX42ØST	-	-	-	-	-	-	4.1	-	-	-	2ØØ	1	6Ø
IWH-2	WATER HEATER	56° RISE @ Ø.5 GPM FLOW RATE, UNIT TO OPERATE AT 3Ø PSI MIN.	EEMAX #SPEX42ØST	-	-	-	-	-	-	4.1	-	-	-	2ØØ	1	6Ø
IWH-3	WATER HEATER	59° RISE @ 1 GPM FLOW RATE, UNIT TO OPERATE AT 3Ø PSI MIN.	EEMAX #SPEXØ1224ØT	-	-	-	-	-	-	8.7	-	-	-	2ØØ	1	6Ø
OS-1	OIL SEPARATOR	314 GPM, 56Ø GAL. STORAGE	STRIEM OT-5ØØ	-	-	-	-	-	-	-	-	-	-	-	-	-
OS-2	OIL SEPARATOR	314 GPM, 56Ø GAL. STORAGE	STRIEM OT-5ØØ	-	-	-	-	-	-	-	-	-	-	-	-	-
OS-3	OIL SEPARATOR	1ØØ GPM, 25Ø GAL. STORAGE	STRIEM OS-1ØØ	-	-	-	-	-	-	-	-	-	-	-	-	-
EMEW-1	EMERGENCY EYEWASH	BOWL AND DUST COVER, ADA	BRADLEY #S19224	-	-	-	-	PROVIDED W/ NAVIGATOR 919-2ØØØ EFX8 EMERGENCY THERMOSTATIC MIXING VALVE	-	-	-	-	-	-	-	-
SD-1	SEDIMENT BASIN	INSTALLED IN "TD-1" TRENCH DRAIN	ZURN #Z887-6-HD	-	-	-	-	-	-	-	-	-	-	-	-	-
AD-1 TD-1	TRENCH DRAIN	PRESLOPED HIGH DENSITY POLYPROPYLENE	ZURN #Z-886-LC	-	-	-	-	STAINLESS STEEL LOCKDOWN, WITH HEAVY DUTY GRATE	-	-	-	-	-	-	-	-
RCP-1	RECIRCULATING PUMP	2.5 GPM @ 14' HEAD, ALL BRONZE CONSTRUCTION	B&G # PL-36	NOTE #9	-	-	-	W/ STRAP ON AQUASTAT	1/6	-	-	-	-	12Ø	1	6Ø
WS-1	WATER SOFTENER	9"x48" TANK, BRINE TANK 18"x48", 9.Ø GPM @ 11 PSI	CULLIGAN #HE-1 - 9" MODEL	-	-	-	-		-	-	-	-	-	12Ø	1	6Ø

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 91Ø, 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
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
JC
DRAWN BY
RH/GL/LvB
CHECKED BY
DJ

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

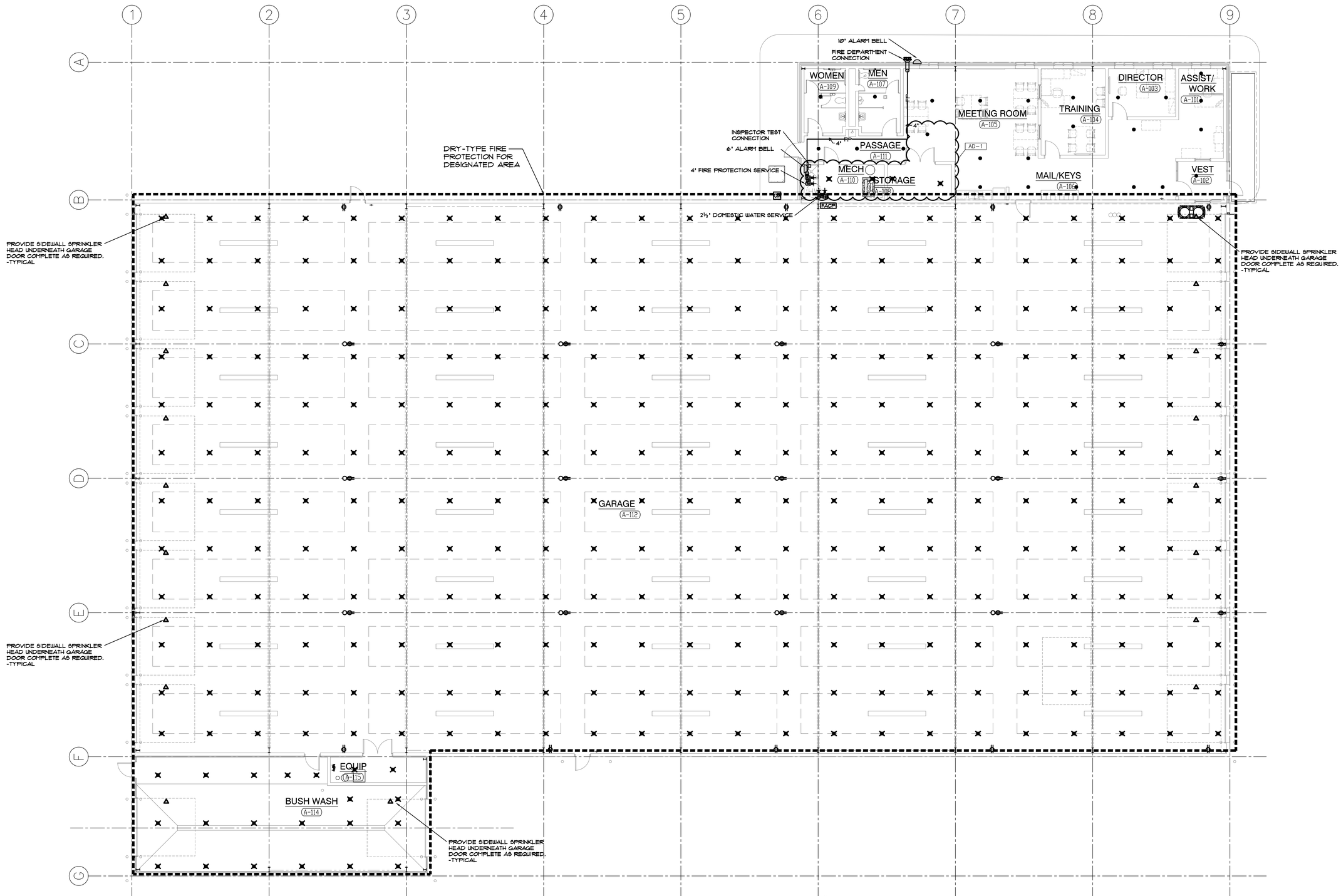
REVISIONS

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

DRAWING
PLUMBING NOTES, SYMBOLS, ABBREVIATIONS & SCHEDULES

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
P-001



FIRE PROTECTION FLOOR PLAN
BUS GARAGE BUILDING A

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

GIBRALTAR DESIGN
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PROJECT
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FIRE PROTECTION FLOOR PLAN
BUS GARAGE
BUILDING A

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
FP-101

SYMBOL LIST

* NOTE:
FIRE ALARM DEVICES, MOUNTING HEIGHT, ETC. SHALL COMPLY WITH 'ADA' STANDARDS.

AD — MOTORIZED DAMPER - E.C. TO INTERLOCK COMPLETE AS REQUIRED.

FACP — FIRE ALARM CONTROL PANEL

FAA — FIRE ALARM ANNUNCIATOR PANEL

FIRE PROTECTION SPRINKLER ALARM BELL - INSTALLED AND WIRED

FS — FIRE PROTECTION SPRINKLER FLOW SWITCH

TS — FIRE PROTECTION SPRINKLER TAMPER SWITCH

D — FIRE ALARM SYSTEM HEAT DETECTOR - COMBINATION TYPE (R/R - FIXED TEMP.) IN BOILER ROOM

SD — FIRE ALARM SYSTEM SMOKE DETECTOR - CEILING MOUNTED - ABOVE FACP

SD D — FIRE ALARM SYSTEM DUCT TYPE SMOKE DETECTOR WIRED TO CONTROL LOCAL FAN SHUT DOWN RELAY - DUCT DETECTOR TO BE MOUNTED IN AIR DUCT SYSTEM AND WIRED PER MANUFACTURER'S RECOMMENDATIONS AND NFPA 72

CO — FURNISH AND INSTALL FIRE ALARM SYSTEM DIGITAL CARBON MONOXIDE SENSOR WITH ¾'C. AND WIRING ROUTED TO FIRE ALARM CONTROL PANEL. COORDINATE REQUIREMENTS WITH MANUFACTURER AND SPECIFICATIONS

RT — REMOTE SMOKE DETECTOR TEST STATION WITH LED AND KEYED SWITCH.

R — FIRE ALARM CONTROL RELAY IN AIR HANDLING UNIT CONTROL PANEL WIRED TO SHUT DOWN FANS UPON FIRE ALARM SYSTEM ACTIVATION - NOTE: FANS TO AUTOMATICALLY RESTART UPON FIRE ALARM SYSTEM RESET. ALSO, RELAYS SHALL BE INTERFACED TO FIRE DOORS TO DISENGAGE UPON ACTIVATION OF THE FIRE ALARM SYSTEM.

ELECTROMAGNETIC WALL MOUNTED DOOR HOLDER OR WIRE HARDWARE INSTALLED DOOR CLOSER COMPLETE AS REQUIRED. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND MOUNTING STYLE WITH DOOR SCHEDULE PRIOR TO ROUGHING IN FOR SAME.

FIRE ALARM PULL STATION MTD 42"AFF.

FIRE ALARM AUDIO/VISUAL DEVICE MTD. 80" AF. OR 6" BELOW FINISHED CEILING WHICHEVER IS LOWER. - 110 CANDELA

FIRE ALARM STROBE ONLY MTD 80" AFF. - 15 CANDELA

FIRE ALARM STROBE ONLY MTD 80" AFF. - 75 CANDELA

AD — AUTOMATIC DIALER FOR FIRE, ELEVATOR, AND/OR SECURITY SYSTEM. EXTEND (2) TELEPHONE LINES TO EACH DIALER FROM T.T.B.

K — KNOX BOX - PER THE LOCAL FIRE DISTRICT STANDARDS, AT THE LOCATION INDICATED. PROVIDE BOTH POWER AND SMOKE EVACUATION KEY CONTROLS. VERIFY ELEVATION OF DEVICE WITH THE LOCAL FIRE DISTRICT PRIOR TO INSTALLING SAME. WHERE REQUIRED, FURNISH AND INSTALL A FLASHING ANNUNCIATOR, TIED TO THE FIRE ALARM SYSTEM, TO IDENTIFY LOCATION OF THE KNOX BOX.

L — ELECTRIC DOOR STRIKE - REFER TO TECHNOLOGY DRAWINGS AND DOOR HARDWARE DRAWINGS FOR ADDITIONAL INFORMATION AND ROUGH-IN REQUIREMENTS.

I E — EXTERIOR DOOR INTERCOM SYSTEM - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION AND ROUGH-IN REQUIREMENTS. COORDINATE EXACT LOCATION WITH OWNER AND EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.

I I — INTERIOR DOOR INTERCOM SYSTEM AND DOOR RELEASE - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION AND ROUGH-IN REQUIREMENTS. COORDINATE EXACT LOCATION WITH OWNER AND EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.

CA — ACCESS CONTROL STATION - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION AND ROUGH-IN REQUIREMENTS. COORDINATE EXACT LOCATION WITH OWNER AND EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.

W, ▼ — TELEPHONE OUTLET - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION AND ROUGH-IN REQUIREMENTS.

▽ — DUPLEX DATA OUTLET - ROUGH-IN ONLY -REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION AND ROUGH-IN REQUIREMENTS.

OS — FURNISH AND INSTALL CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH POWER PACK. MANUFACTURERS: SENSORSWITCH #CM-PDT-10-MP-20 (WITH MICROPHONICS) OR APPROVED EQUAL BY GREENGATE, LEVITON OR CRISTAL CONTROLS.

H OS WG — FURNISH AND INSTALL CEILING MOUNTED PIR HIGH BAY OCCUPANCY SENSOR WITH WIREGUARD PROTECTION. MANUFACTURERS: SENSORSWITCH #CM-6 OR APPROVED EQUAL BY GREENGATE OR CRISTAL CONTROLS.

PC — EXTERIOR LIGHTING CONTROL PHOTOCELL

$ M1 — FURNISH AND INSTALL DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR. MANUFACTURERS: SENSORSWITCH #WSX-PDT-LV OR APPROVED EQUAL BY LEVITON OR COOPER CONTROLS.

$D — WALL MOUNTED 0-10V DIMMER SWITCH - PROVIDE LEVITON OR LUTRON DIMMER AND VERIFY SUITABILITY OF DIMMER WITH FIXTURE MANUFACTURER PRIOR TO ORDERING.

— PALM BUTTON, MECHANICALLY HELD W/INTEGRAL KEYED RELEASE

$ — GENERAL PURPOSE 1-POLE SWITCH - (TYPICAL - MOUNTED 42" AFF.) (HUBBELL #1221 OR EQUAL)

$3 — GENERAL PURPOSE 3-WAY SWITCH MTD 42" AFF (HUBBELL #1223 OR EQUAL)

$4 — GENERAL PURPOSE FOUR WAY SWITCH MTD. 42" AFF (HUBBELL #1224 OR EQUAL)

K $ — KEY OPERATED TOGGLE TYPE SWITCH

$ — SWITCH W/ PILOT LIGHT HANDLE MTD. 42" AFF

$ — MANUAL STARTING SWITCH WITH THERMAL OVERLOAD PROTECTION

$T — TIMER SWITCH MTD. 42" AFF

S — CEILING SPEAKERS - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.

— INTERCOM PRIVACY CALL-IN SWITCH - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

C — WALL MOUNTED SPEAKER ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.

R — REEL CORD WITH 45' CORD AND 20A DUPLEX GFCI RECEPTACLE, HUBBELL #HBL45123GF20 OR EQUAL, COMPLETE WITH BALL STOP, AND ALL OTHER ~~REQUIREMENTS PER NEC 695.10 FOR A COMPLETE AND PROPER INSTALLATION.~~ COORDINATE EXACT NEMA CONFIGURATION AND CORD END PLUG TYPE WITH OWNER AND ARCHITECT PRIOR TO ORDERING. MOUNT REEL CORD TO THE ~~STRUCTURE ABOVE OR TO THE CEILING GRID (WHERE SUITABLE EXISTS). VERIFY~~ CONDITIONS, REQUIREMENTS AND LOCATIONS IN FIELD PRIOR TO ROUGH-IN.

AD-1

WC — WALL MOUNTED CAMERA - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

CC — CEILING MOUNTED CAMERA - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

VC — VOLUME CONTROL - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

VP — VIDEO PROJECTOR WITH LOCAL INPUT. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION AND ROUGH-IN REQUIREMENTS. COORDINATE MOUNTING HEIGHT OF ADJACENT OUTLET PRIOR TO ROUGH-IN

PR — PROXIMITY CARD READER - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

DS — DOOR STATUS SENSOR - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

AV — AUDIO VISUAL OUTLET - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

— FLAT PANEL TELEVISION - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

FB — FLOOR BOX - REFER TO FLOOR OUTLET SYMBOL FOR FLOOR BOX SPECIFICATIONS - REFER TO TECHNOLOGY DRAWINGS FOR LOW VOLTAGE CONDUIT, WIRING AND ROUGH-IN INFORMATION

* — AV INPUT PANEL WITH TWO (2) DUPLEX RECEPTACLES AND SEPARATE BACK BOX WITH LOW VOLTAGE JACKS AND COVER PLATE. REFER TO TECHNOLOGY DRAWINGS FOR LOW VOLTAGE CONDUIT, WIRING AND ROUGH-IN INFORMATION

WAP — DUPLEX WIRELESS ACCESS POINT - ROUGH-IN ONLY - REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT, WIRING AND ROUGH-IN INFORMATION

— 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED 18" A.F.F. OR AS NOTED) (HUBBELL #5362 OR EQUAL.).

— 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED 42" A.F.F. OR 2" ABOVE BACKSPLASH IF LOCATED ABOVE COUNTER) (HUBBELL #5362 OR EQUAL)

— 120V-20A SPECIFICATION GRADE GROUNDED DUPLEX RECEPTACLE WITH G.F.I. PROTECTION - (MOUNTED 18" A.F.F. OR AS NOTED) (HUBBELL #GF20 OR EQUAL)

— 120V-20A SPECIFICATION GRADE GROUNDED DUPLEX RECEPTACLE WITH G.F.I. PROTECTION (MOUNTED 42" A.F.F. OR 2" ABOVE BACKSPLASH IF LOCATED ABOVE COUNTER) (HUBBELL #GF20 OR EQUAL)

US — 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE WITH TWO (2) INTEGRAL USB JACKS. MOUNTED 18" A.F.F. OR AS NOTED. PROVIDE PASS AND SEYMOUR #TR5362US OR APPROVED EQUAL.

US — 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE WITH TWO (2) INTEGRAL USB JACKS. MOUNTED 42" A.F.F. OR 2" ABOVE BACK SPLASH IF LOCATED ABOVE COUNTER. PROVIDE PASS AND SEYMOUR #TR5362US OR APPROVED EQUAL.

— 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED AT SPECIAL HEIGHT - COORDINATE IN FIELD) (HUBBELL #5362 OR EQUAL)

— SPECIAL PURPOSE OUTLET (AS NOTED ON PLAN OR SPECIFICATIONS).

VHB — HUBBELL EVOLUTION SERIES FLUSH FLOOR BOX WITH POWER AND LOW VOLTAGE FURNITURE FEEDS - ROUGH-IN ONLY. STUB 1½" CONDUITS FROM THE LOW VOLTAGE SECTION OF THE BOX TO THE ACCESSIBLE CEILING SPACE. PROVIDE SCRUB-RESISTANT COVER AND COORDINATE FINISH WITH ARCHITECT.

— CEILING MOUNTED PROJECTOR LOCATION WITH ONE (1) DUPLEX RECEPTACLE AND SEPARATE BACK BOX WITH LOW VOLTAGE JACKS AND COVERPLATE. SUPPORT BOXES FROM STRUCTURE WITH UNISTRUT AS REQUIRED. SEE TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION AND ROUGH-IN REQUIREMENTS.

D — DOOR OPERATOR PUSH BUTTON FURNISHED BY OTHERS, WIRED AND INSTALLED BY CONTRACTOR. PROVIDE TWO (2) GANG BACK-BOX MOUNTED AT 42" A.F.F. WITH ¾'C. ROUTED DOOR OPERATOR.

— SWING DOOR OPERATOR FURNISHED AND INSTALLED BY OTHERS, WIRED BY CONTRACTOR. COORDINATE ELECTRICAL LOCATION WITH DOOR HARDWARE SUPPLIER.

— JUNCTION BOX - SIZE AND TYPE AS REQUIRED.

— FLEX CONDUIT CONNECTION

— JUNCTION BOX W/ FLEX CONDUIT CONNECTION.

— ELECTRIC MOTOR CONNECTION - PROVIDE LOCAL DISCONNECT SWITCH PER NATIONAL ELECTRIC CODE - CONNECT MISCELLANEOUS ACCESSORIES SUCH AS BACK DRAFT DAMPERS, ETC. COMPLETE AS REQUIRED.

— FURNISH '48SCO', 120V, NORMALLY CLOSED SOLENOID VALVE FOR USE WITH LIQUID GAS OR AIR, BRASS BODY CONSTRUCTION, MOUNTABLE IN ANY POSITION. COORDINATE PIPE SIZE AND REQUIREMENTS IN FIELD.

SB — SPLICE BOX, VERIFY EXACT SIZE IN FIELD.

— CONDUIT STUB INTO ACCESSIBLE CEILING SPACE TERMINATE W/ INSULATING BUSHING

— CONDUIT CONCEALED ABOVE CEILING OR IN WALL

— CONDUIT CONCEALED IN OR BELOW FINISHED FLOOR.

— CONDUIT EXPOSED ON CEILING, WALL OR BAR JOIST - ROUTED IN NEAT MANNER

— FLEXIBLE CONDUIT - ROUTED IN NEAT MANNER WITHIN CHASE OF CASEWORK.

LP-A1 — HOMERUN TO PANEL INDICATING PANEL AND CIRCUIT BREAKER NUMBER WITHIN THE PANEL.

— INDICATES NUMBER OF CONDUCTORS IN CONDUIT (CONTRACTOR SHALL VERIFY AND INSTALL ADDITIONAL WHERE REQUIRED) CROSS HATCHED INDICATES NUMBER OF CONDUCTORS (HOT OR SWITCHED LEG, NEUTRAL, GROUND)

X — HEXAGON TAG REFERENCE TO EQUIPMENT CONNECTION SCHEDULE

1 — ELLIPSE TAG REFERENCE TO SHEET NOTES

— TWO DEVICE MOUNTED UNDER COMMON COVER. WHERE LOW VOLTAGE DEVICES ARE MOUNTED UNDER COMMON COVER, COMBINE CONDUIT STUBS MAINTAINING THE EQUIVALENT FREE AREA FOR THE LOW VOLTAGE CABLING.

— ELECTRIC PANELBOARDS.

— DISCONNECT SWITCH SIZE AND TYPE AS REQUIRED - COORDINATE AMPERE RATING WITH EQUIPMENT SUPPLIER

— FUSED DISCONNECT SWITCH SIZE AND TYPE AS REQUIRED - COORDINATE AMPERE RATING WITH EQUIPMENT SUPPLIER

T.T.B. — TELEPHONE TERMINAL BOARD

T — TRANSFORMER - SIZE AND TYPE AS REQUIRED

SP — SURGE SUPPRESSION DEVICE

ELECTRICAL ABBREVIATIONS

NOTE:
ABBREVIATIONS USED ON DRAWINGS IN GENERAL ARE LISTED BELOW. REFER TO CSI SECTION 01420 FOR ANY ABBREVIATIONS LISTED ON THE DRAWINGS BUT ARE NOT LISTED BELOW.

A	AMPS	KVA	KILOVOLT AMPERE
AC	AIR CONDITIONING	KW	KILOWATTS
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
AFG	ABOVE FINISHED GRADE	MTD	MOUNTED
BRKR	BREAKER	NE	NEW LOCATION OF EXISTING RELOCATED DEVICE
C	CONDUIT	NIC	NOT IN CONTRACT
CH	CABINET HEATER	NL	NIGHTLIGHT
CKT	CIRCUIT	NTS	NOT TO SCALE
DISTR	DISTRIBUTION	O/C	ON CENTER
EF	EXHAUST FAN	P	POLE
ELEC	ELECTRICAL	PNL	PANEL
EM	EMERGENCY	PH	PHASE
EMT	ELECTRICAL METALLIC TUBING	RRR	REMOVE AND RELOCATE EXISTING DEVICE
ER	EXISTING DEVICE TO BE REMOVED	SW	SWITCH
EX	EXISTING DEVICE TO REMAIN	TYP	TYPICAL
F	FUSE	UON	UNLESS OTHERWISE NOTED
FS	FUSIBLE SWITCH	V	VOLTS
G	GROUND	VIF	VERIFY IN FIELD
GFI	GROUND FAULT INTERRUPTING PROTECTION	W	WATTS
GRC	GALVANIZED RIGID CONDUIT	WP	WEATHERPROOF TYPE DEVICE
HP	HORSEPOWER	WG	WIRE GUARD
J	JUNCTION BOX	F&I	FURNISH AND INSTALL

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PROJECT
20-141
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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
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DRAWING
ELECTRICAL SYMBOLS & ABBREVIATIONS

PROJECT
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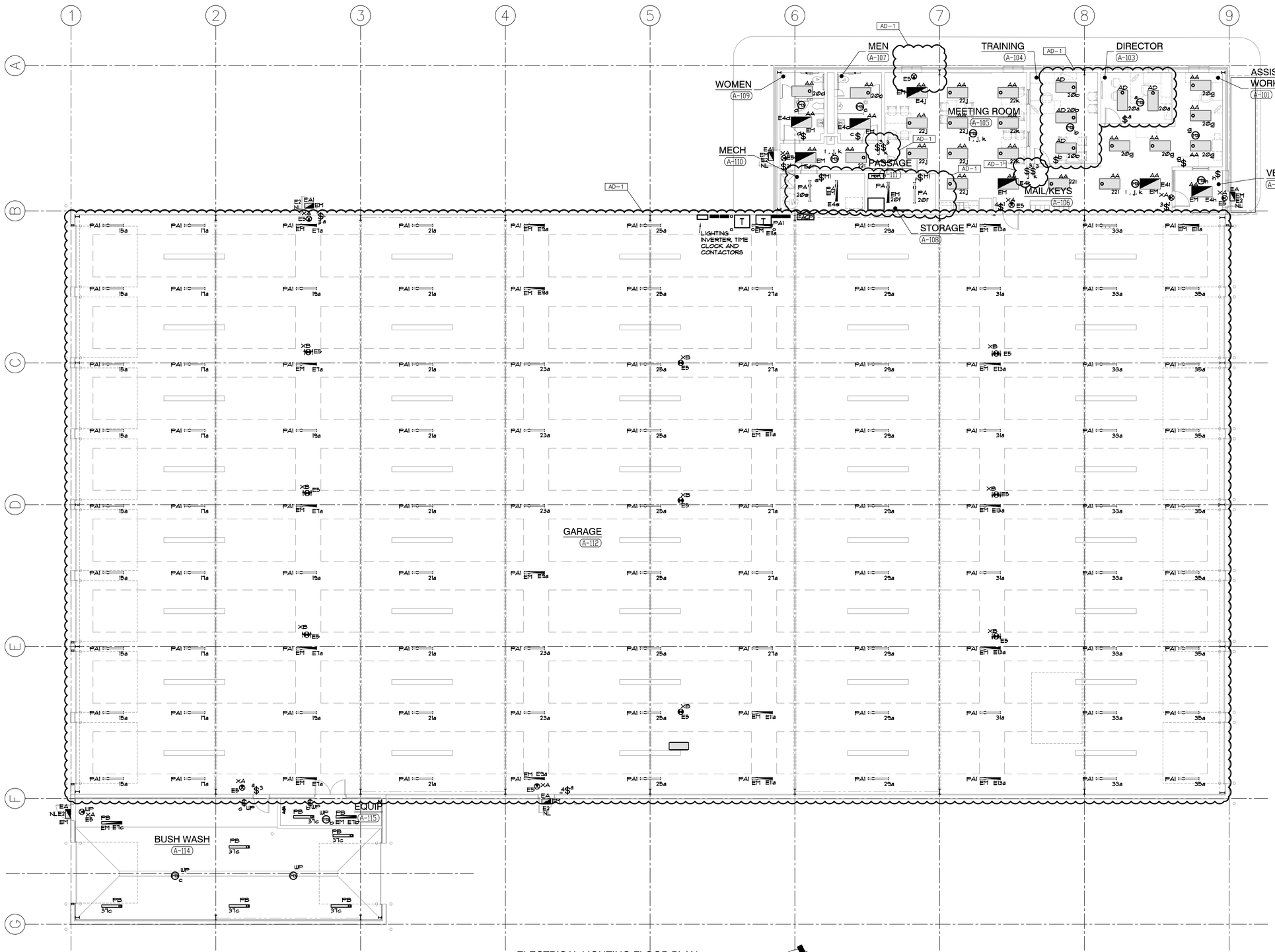
SHEET
E-001

GENERAL NOTES

1. INTERIOR LIGHTING SHALL BE CONNECTED TO CIRCUITS INDICATED IN PANEL PP-2 UNLESS NOTED OTHERWISE. INTERIOR LIGHTING CIRCUIT TAGS WITH AN 'E' PREFIX SHALL BE CIRCUITED TO CIRCUIT INDICATED IN PANEL EM. EMERGENCY FIXTURES WITH SWITCH TAG SHALL BE PROVIDED WITH CONSTANT HOT FEED AS REQUIRED.
2. EXTERIOR LIGHTING SHALL BE CONNECTED TO CIRCUITS INDICATED IN PANEL PP-2 VIA TIME CLOCK, PHOTOCELL AND CONTACTORS UNLESS NOTED OTHERWISE.
3. EXTERIOR LIGHTING WITH AN 'E' PREFIX CIRCUIT TAG SHALL BE CONNECTED TO CIRCUIT INDICATED IN PANEL EM VIA TIME CLOCK, PHOTOCELL, CONTACTORS, LIGHTING INVERTER AND UL924 BYPASSES.



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

NORTH

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DRAWING
ELECTRICAL LIGHTING FLOOR PLAN
BUS GARAGE
BUILDING A

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
EL101

GENERAL NOTES

1. INTERIOR LIGHTING SHALL BE CONNECTED TO CIRCUITS INDICATED IN PANEL PP-1 UNLESS NOTED OTHERWISE. INTERIOR LIGHTING CIRCUIT TAGS WITH AN 'E' PREFIX SHALL BE CIRCUITED TO CIRCUIT INDICATED IN PANEL EM. EMERGENCY FIXTURES WITH SWITCH TAG SHALL BE PROVIDED WITH CONSTANT HOT FEED AS REQUIRED.
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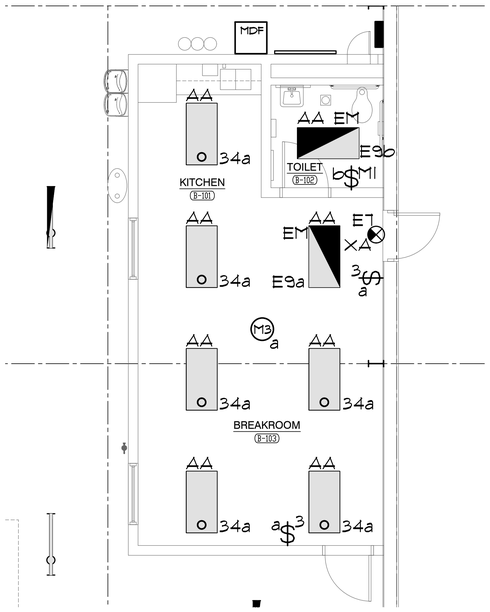
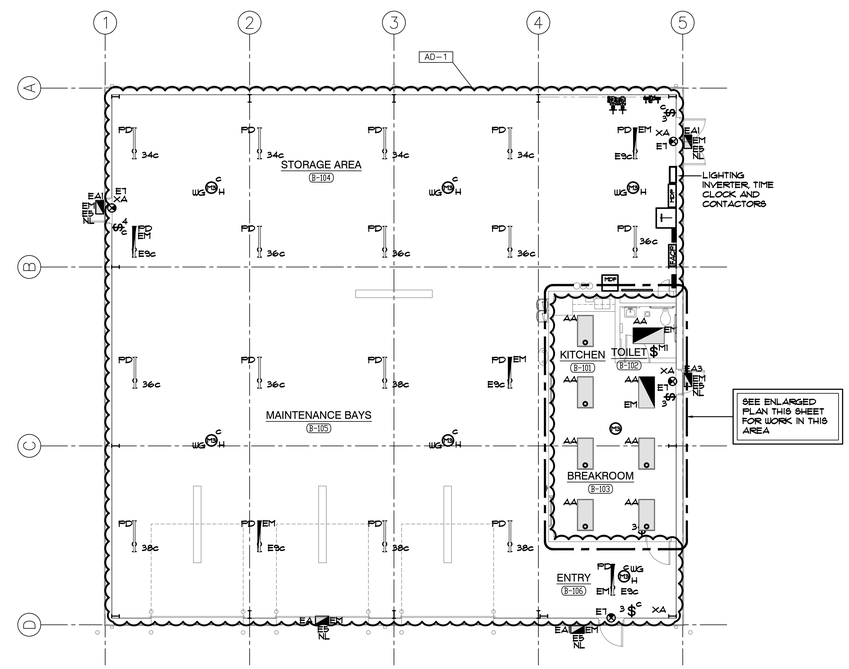


ENLARGED KITCHEN, TOILET AND BREAK ROOM LIGHTING FLOOR PLAN

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

NORTH



ELECTRICAL LIGHTING FLOOR PLAN MAINTENANCE BUILDING BUILDING B

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

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DRAWING

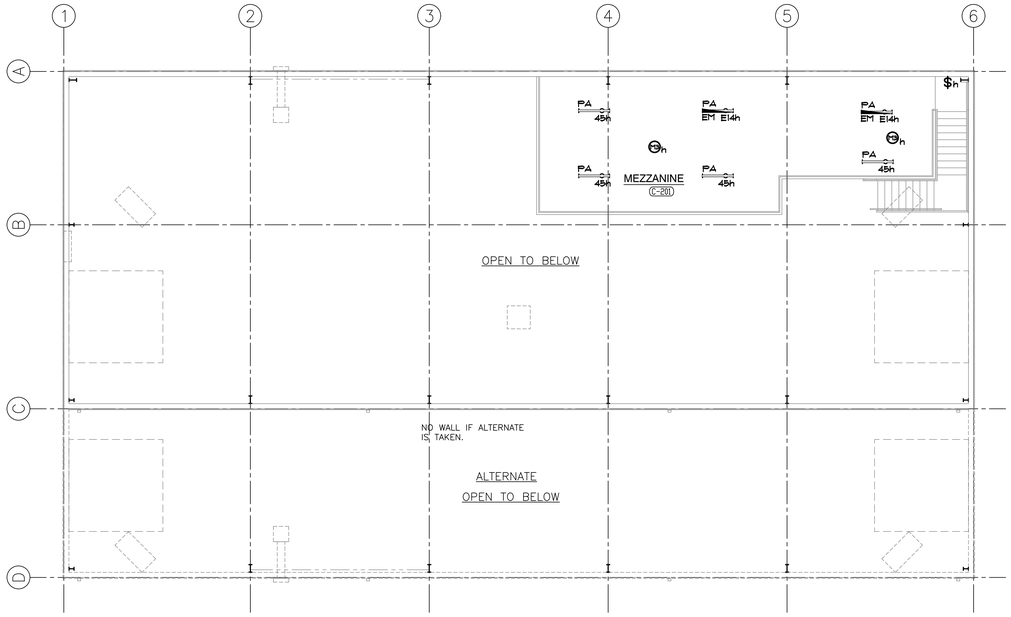
ELECTRICAL LIGHTING PLANS MAINTENANCE BUILDING BUILDING B

PROJECT

HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET

EL102

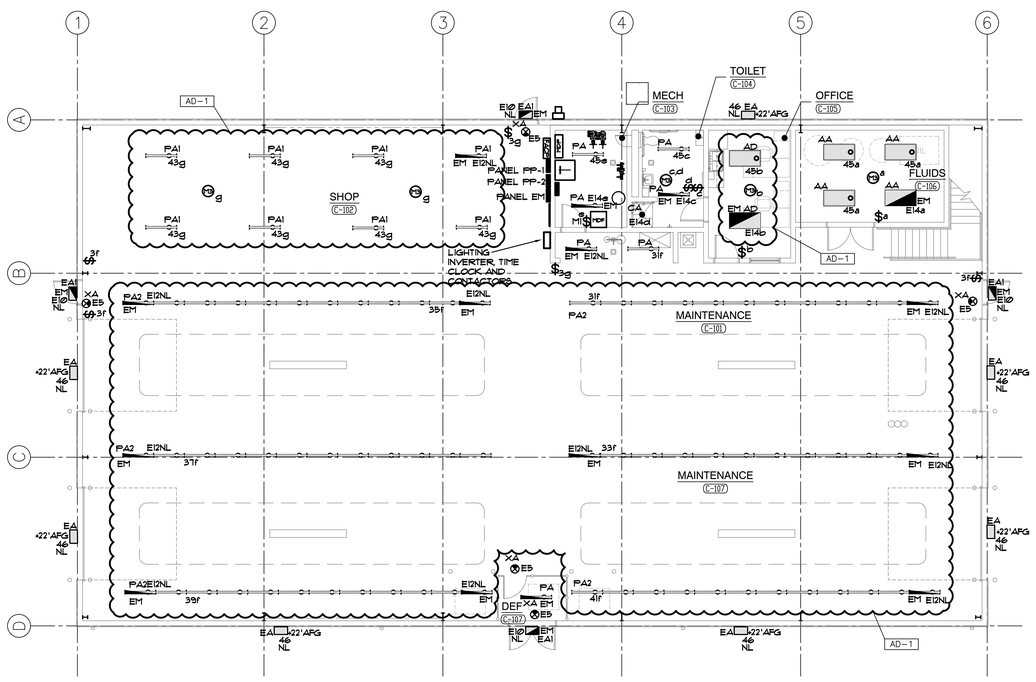


ELECTRICAL LIGHTING MEZZANINE PLAN
MECHANICS BUILDING
BUILDING C
SCALE: 1/8" = 1'-0"

NORTH

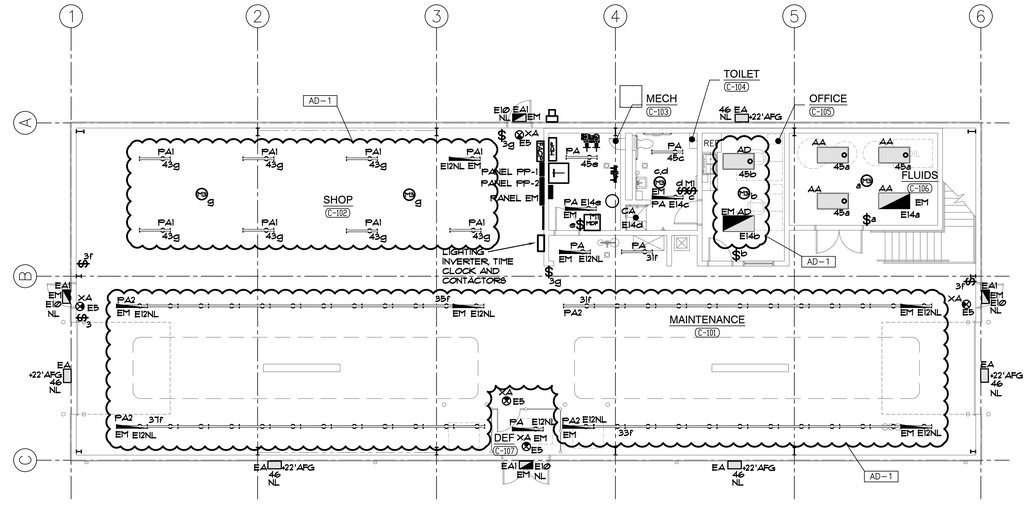
GENERAL NOTES

1. INTERIOR LIGHTING SHALL BE CONNECTED TO CIRCUITS INDICATED IN PANEL PP-1 UNLESS NOTED OTHERWISE. INTERIOR LIGHTING CIRCUIT TAGS WITH AN 'E' PREFIX SHALL BE CIRCUITED TO CIRCUIT INDICATED IN PANEL EM. EMERGENCY FIXTURES WITH SWITCH TAG SHALL BE PROVIDED WITH CONSTANT HOT FEED AS REQUIRED.
2. EXTERIOR LIGHTING SHALL BE CONNECTED TO CIRCUITS INDICATED IN PANEL PP-1 VIA TIME CLOCK, PHOTOCELL AND CONTACTORS UNLESS NOTED OTHERWISE.
3. EXTERIOR LIGHTING WITH AN 'E' PREFIX CIRCUIT TAG SHALL BE CONNECTED TO CIRCUIT INDICATED IN PANEL EM VIA TIME CLOCK, PHOTOCELL, CONTACTORS, LIGHTING INVERTER AND UL924 BYPASSES.



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

NORTH



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

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DRAWING
ELECTRICAL LIGHTING PLANS
MECHANICS BUILDING
BUILDING C

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
EL103

GENERAL NOTES

1. INTERIOR LIGHTING SHALL BE CONNECTED TO CIRCUITS INDICATED IN PANEL FP-2 UNLESS NOTED OTHERWISE. INTERIOR LIGHTING CIRCUIT TAGS WITH AN 'E' PREFIX SHALL BE CIRCUITED TO CIRCUIT INDICATED IN PANEL EM. EMERGENCY FIXTURES WITH SWITCH TAG SHALL BE PROVIDED WITH CONSTANT HOT FEED AS REQUIRED.
2. EXTERIOR LIGHTING SHALL BE CONNECTED TO CIRCUITS INDICATED IN PANEL FP-2 VIA TIME CLOCK, PHOTOCELL AND CONTACTORS UNLESS NOTED OTHERWISE.
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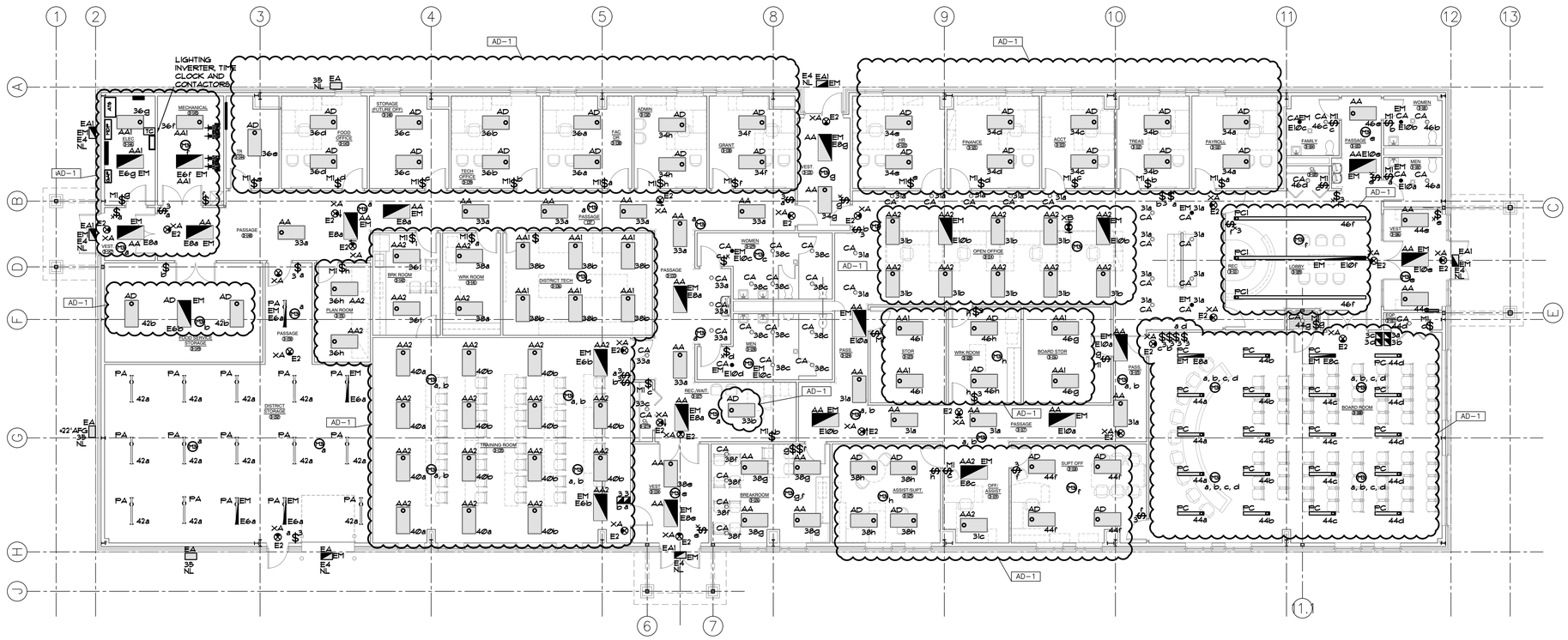

ELECTRICAL LIGHTING FLOOR PLAN
RESOURCE CENTER BUILDING D
SCALE: 1/8" = 1'-0"

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DRAWING
ELECTRICAL LIGHTING FLOOR PLAN
RESOURCE CENTER
BUILDING D

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
EL104

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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DRAWING
ELECTRICAL POWER FLOOR PLAN
BUS GARAGE
BUILDING A

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
EP101

GENERAL NOTES

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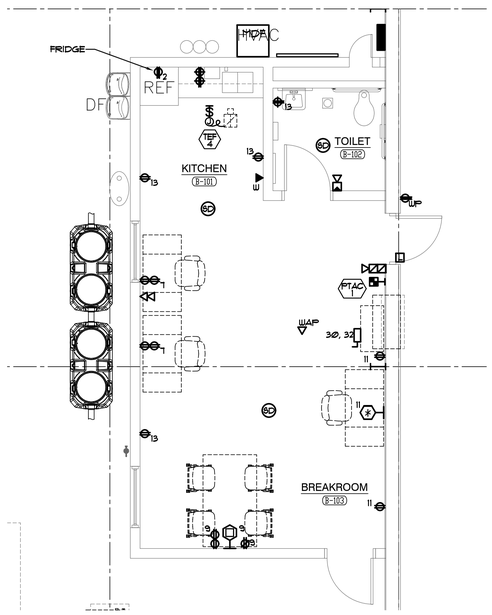
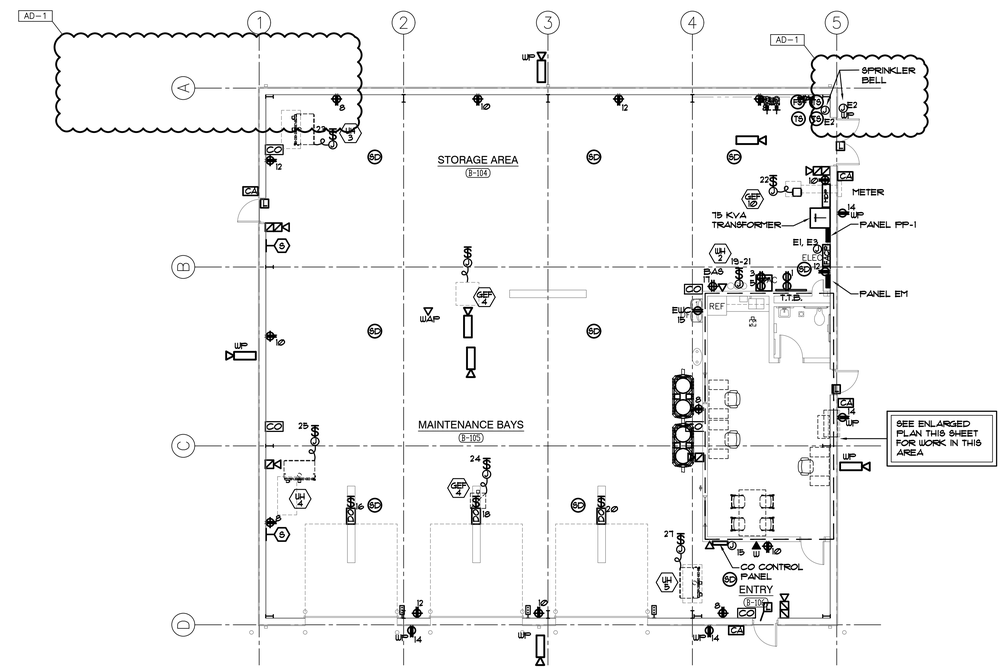
2. ALL DEVICES WITH AN 'E' PREFIX SHALL BE CIRCUITED TO PANEL EM.



ENLARGED KITCHEN/TOILET
ELECTRICAL POWER FLOOR PLAN
SCALE: 1/8" = 1'-0"

NORTH



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

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DRAWING
ELECTRICAL POWER PLANS
MAINTENANCE BUILDING
BUILDING B

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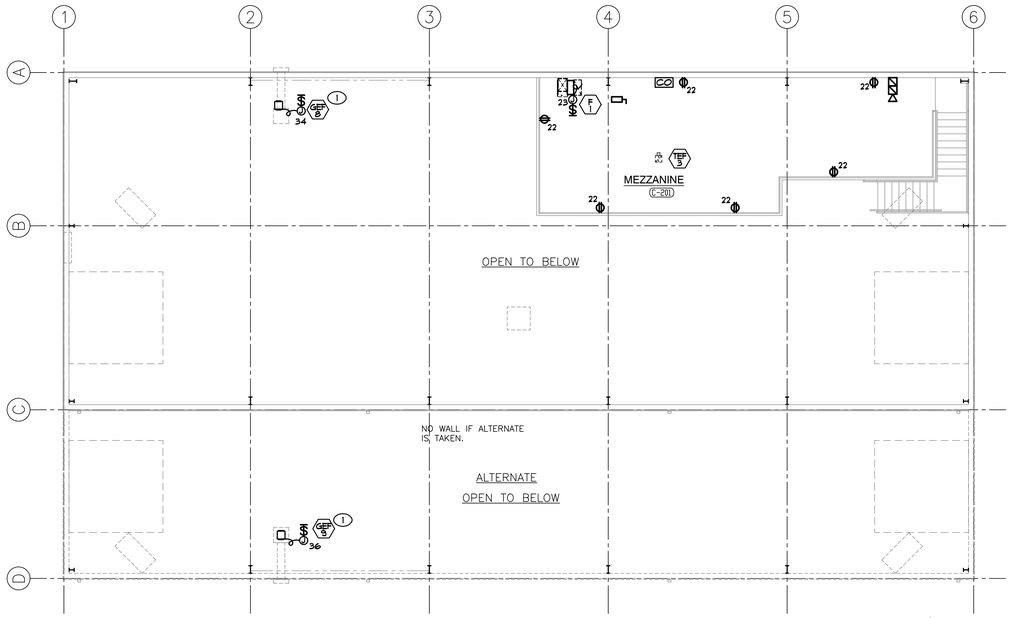
SHEET
EP102



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

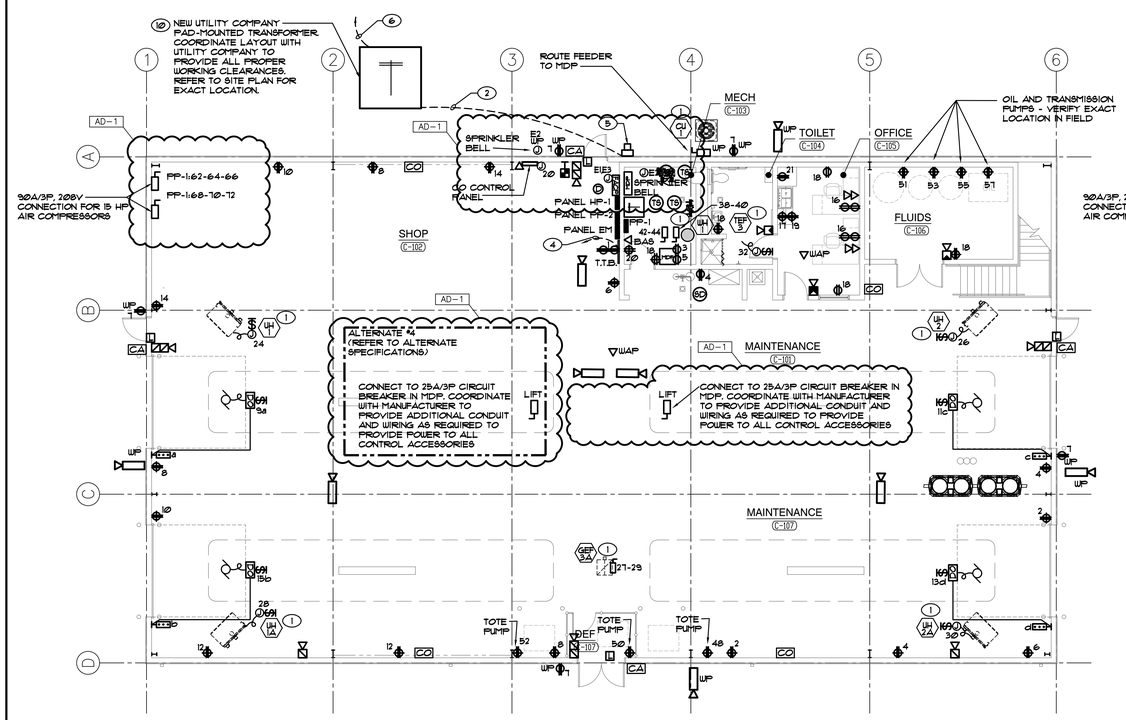
NORTH

GENERAL NOTES

1. ALL DEVICES SHALL BE CIRCUITED TO CIRCUIT INDICATED IN PANEL PP-1, UNLESS OTHERWISE NOTED.
2. ALL DEVICES WITH AN 'E' PREFIX SHALL BE CIRCUITED TO PANEL EM.
3. CONTACT UTILITY COMPANY TO DETERMINE EXACT ELECTRICAL BOX LOCATION, AND ALL CONDUIT/WIRE SIZES AND ROUTING PRIOR TO CALCULATING FINAL WIRE LENGTHS AND ORDERING EQUIPMENT. VERIFY ALL LOCATIONS IN FIELD, COMPLETE AS REQUIRED.
4. FOR SITE LIGHTING AND BUILDING MOUNTED EXTERIOR LIGHTING CIRCUITS CALCULATE FINAL WIRE LENGTHS IN FIELD AND PROVIDE LARGER, PROPERLY SIZED WIRE TO COMPLY WITH NEC VOLTAGE DROP REQUIREMENTS PRIOR TO ROUGH-IN, COMPLETE AS REQUIRED.

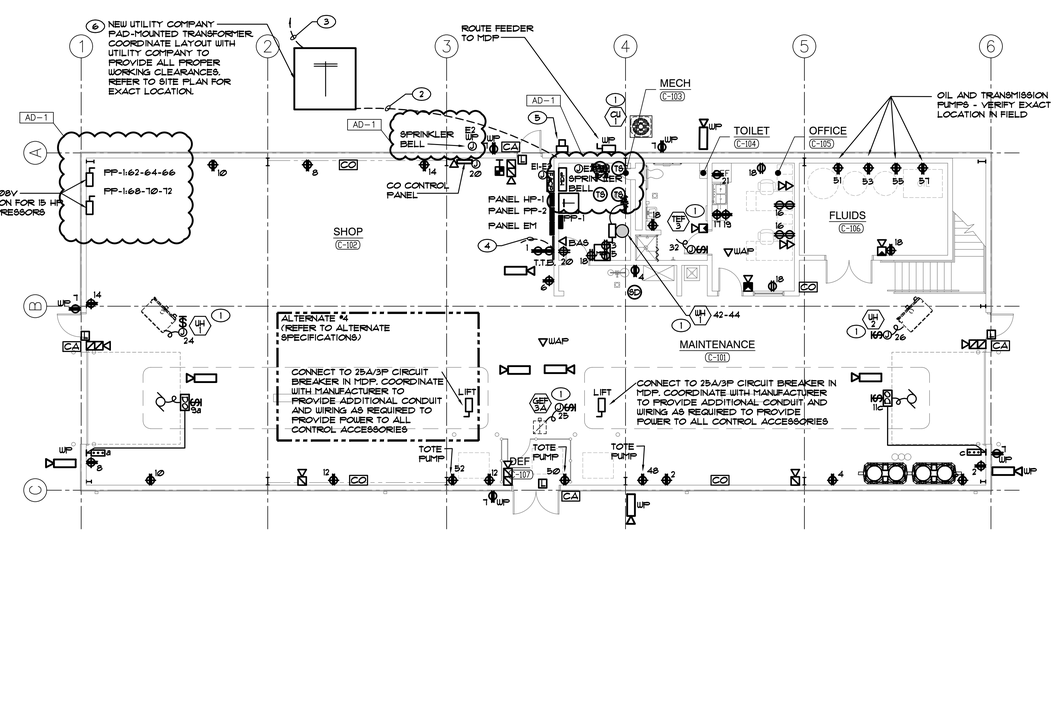
SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE AND ONE-LINE DIAGRAM FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.
2. MAIN SERVICE SECONDARY FEEDER. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
3. UTILITY PRIMARY FEED. COORDINATE WITH UTILITY COMPANY TO ROUTE CONDUIT, UNDERGROUND, TO UTILITY COMPANY ELECTRICAL BOX. VERIFY EXACT ROUTING, CONDUIT SIZE AND ELECTRICAL BOX LOCATION IN FIELD WITH UTILITY COMPANY. PROVIDE PULL BOX TO MATCH UTILITY COMPANY STANDARDS.
4. PROVIDE EMPTY (2) 2"C. ROUTED CONCEALED BELOW GRADE FROM T.T.B. LOCATION TO PROPERTY LINE FOR FOR NEW LOW VOLTAGE SERVICE. COORDINATE EXACT ROUTING LOCATION AND REQUIREMENTS WITH UTILITY COMPANY.
5. APPROXIMATE LOCATION OF EXTERIOR MOUNTED UTILITY METER AND C/T CABINET FOR MAIN ELECTRICAL SERVICE. PROVIDE C/T CABINET AND UTILITY METER PER UTILITY COMPANY REQUIREMENTS. COORDINATE PROPER CLEARANCES, GROUNDING, MOUNTING, MOUNTING HEIGHT, LOCATION AND ANY ADDITIONAL REQUIREMENTS WITH UTILITY COMPANY STANDARDS PRIOR TO PROVIDING BID. VERIFY EXACT LOCATION IN FIELD WITH UTILITY COMPANY AND OWNER'S REPRESENTATIVE.
6. UTILITY COMPANY PAD MOUNTED TRANSFORMER. COORDINATE WITH ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL TRANSFORMER PAD PER UTILITY COMPANY STANDARDS AND SPECIFICATIONS, INCLUDING GROUNDING, PAD SIZE, CLEARANCES, ETC.



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

NORTH



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

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DRAWING
ELECTRICAL POWER PLANS
MECHANICS BUILDING
BUILDING C

PROJECT
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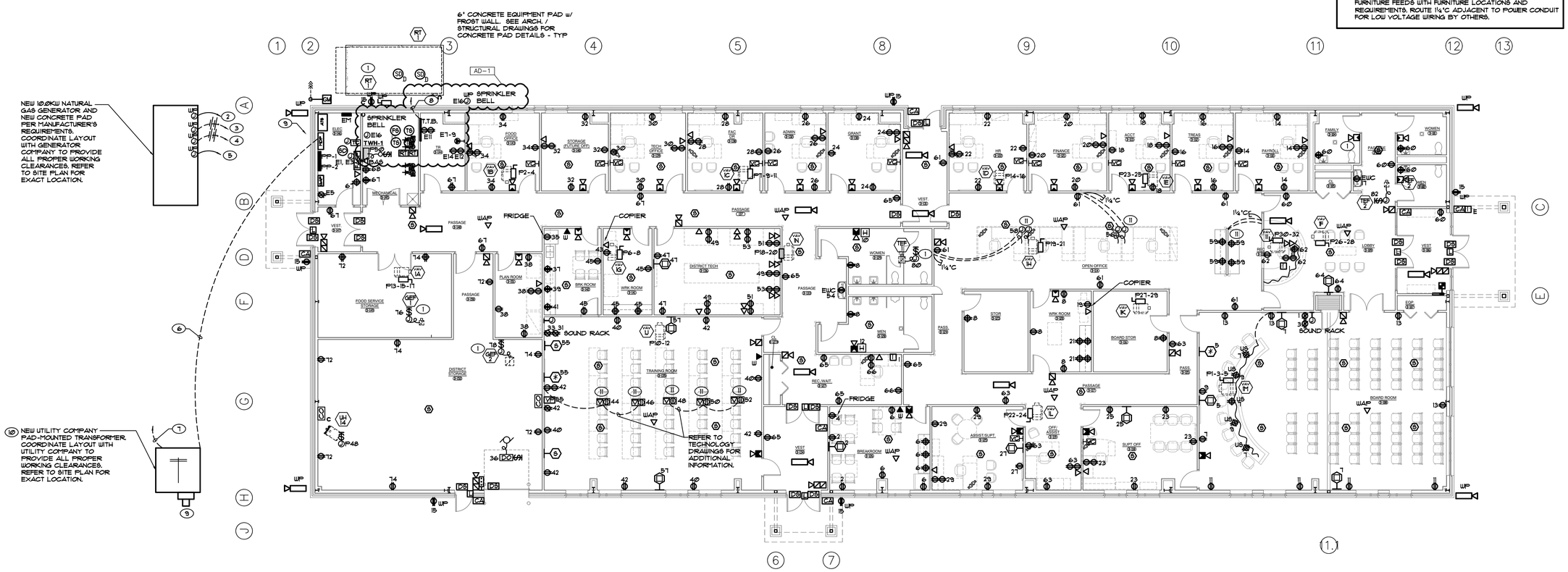
SHEET
EP103

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.
3. CONTACT UTILITY COMPANY TO DETERMINE EXACT ELECTRICAL BOX LOCATION, AND ALL CONDUIT/WIRE SIZES AND ROUTING PRIOR TO CALCULATING FINAL WIRE LENGTHS AND ORDERING EQUIPMENT. VERIFY ALL LOCATIONS IN FIELD. COMPLETE AS REQUIRED.
4. FOR SITE LIGHTING AND BUILDING MOUNTED EXTERIOR LIGHTING CIRCUITS CALCULATE FINAL WIRE LENGTHS IN FIELD AND PROVIDE LARGER, PROPERLY SIZED WIRE TO COMPLY WITH NEC VOLTAGE DROP REQUIREMENTS PRIOR TO ROUGH-IN, COMPLETE AS REQUIRED.

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE AND ONE-LINE DIAGRAM FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.
2. NEW FEEDER FROM GENERATOR TO ATS-EM, REFER TO ONE-LINE DIAGRAM AND GENERATOR WIRING SCHEMATIC FOR ADDITIONAL INFORMATION.
3. ROUTE 3 #12 & 1 #12 GRD. IN 1"C. FROM ENGINE BLOCK HEATER TO PANEL EM.
4. ROUTE 3 #12 & 1 #12 GRD. IN 1"C. FROM BATTERY CHARGER TO PANEL EM.
5. ROUTE ONE (1) 1"C. FROM GENERATOR TO ATS-EM FOR CONTROL WIRING.
6. MAIN SERVICE SECONDARY FEEDER. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
7. UTILITY PRIMARY FEED. COORDINATE WITH UTILITY COMPANY TO ROUTE CONDUIT, UNDERGROUND, TO UTILITY COMPANY ELECTRICAL BOX. VERIFY EXACT ROUTING, CONDUIT SIZE AND ELECTRICAL BOX LOCATION IN FIELD WITH UTILITY COMPANY. PROVIDE PULL BOX TO MATCH UTILITY COMPANY STANDARDS.
8. PROVIDE EMPTY (2) 2"C. ROUTED CONCEALED BELOW GRADE FROM T.T.B. LOCATION TO PROPERTY LINE FOR FOR NEW LOW VOLTAGE SERVICE. COORDINATE EXACT ROUTING LOCATION AND REQUIREMENTS WITH UTILITY COMPANY.
9. APPROXIMATE LOCATION OF EXTERIOR MOUNTED UTILITY METER FOR MAIN ELECTRICAL SERVICE. PROVIDE C/T AND UTILITY METER PER UTILITY COMPANY REQUIREMENTS. COORDINATE PROPER CLEARANCES, GROUNDING, MOUNTING, MOUNTING HEIGHT, LOCATION AND ANY ADDITIONAL REQUIREMENTS WITH UTILITY COMPANY STANDARDS PRIOR TO PROVIDING BID. VERIFY EXACT LOCATION IN FIELD WITH UTILITY COMPANY AND OWNER'S REPRESENTATIVE.
10. UTILITY COMPANY PAD MOUNTED TRANSFORMER. COORDINATE WITH ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL TRANSFORMER PAD PER UTILITY COMPANY STANDARDS AND SPECIFICATIONS, INCLUDING GROUNDING, PAD SIZE, CLEARANCES, ETC.
11. ROUTE CONDUIT, CONCEALED WITHIN FLOOR, FROM WALL TO FURNITURE LOCATIONS AND STUB UP INTO FLOOR BOX OR FURNITURE SYSTEM. EXTEND WIRING AND CONDUIT WITHIN FURNITURE SYSTEMS WITH FLEXIBLE CONDUIT. COORDINATE FURNITURE FEEDS WITH FURNITURE LOCATIONS AND REQUIREMENTS. ROUTE 1¼"C ADJACENT TO POWER CONDUIT FOR LOW VOLTAGE WIRING BY OTHERS.



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

NORTH

GIBRALTAR DESIGN
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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 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

DRAWING
ELECTRICAL POWER FLOOR PLAN
RESOURCE CENTER
BUILDING D

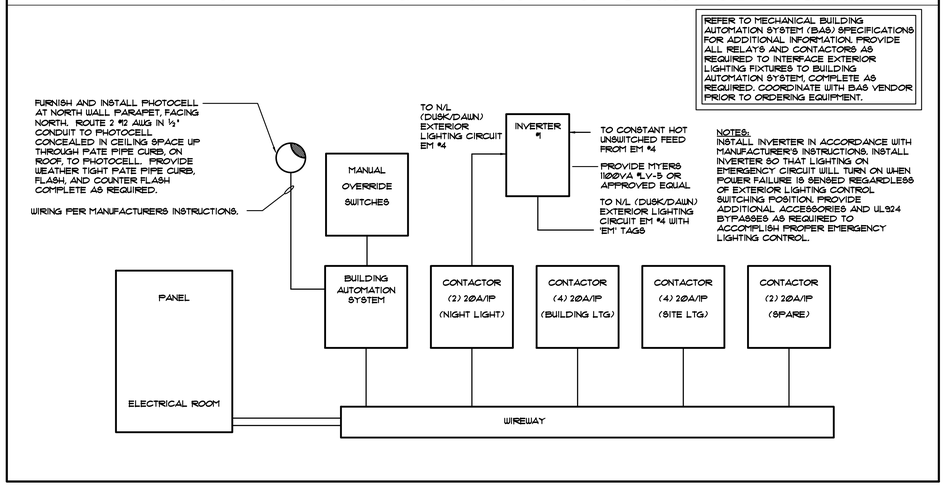
PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
EP104

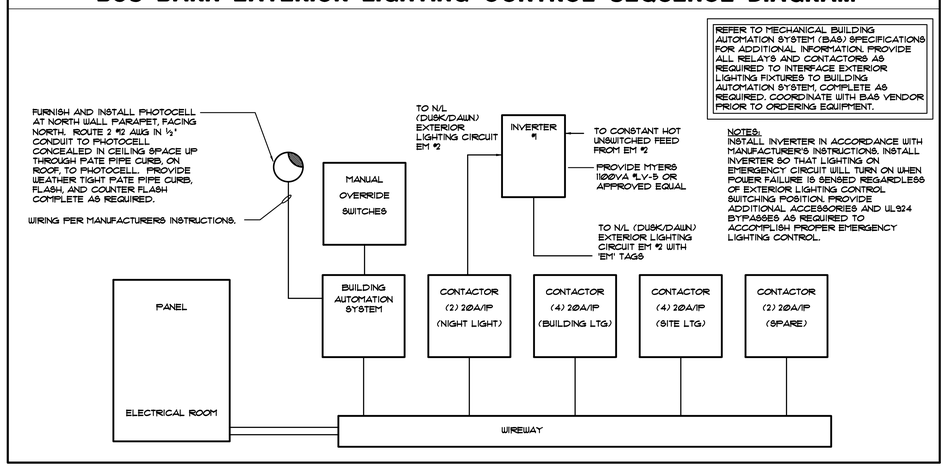
FIXTURE GENERAL NOTES

1. INTERIOR FIXTURES, EXTERIOR FIXTURES AND POLE FINISHES AND COLORS TO BE SELECTED BY ARCHITECT. THE ARCHITECT MAY, AT THEIR DISCRETION, CHOOSE A CUSTOM COLOR AT NO ADDITIONAL CHARGE.
2. PENDANT FIXTURES SPECIFIED ON THIS PROJECT SHALL BE CAREFULLY COORDINATED WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER AS EACH PENDANT FIXTURE IS A CUSTOM MANUFACTURED FIXTURE. PROVIDE PENDANT EMERGENCY SECTIONS AND EMERGENCY CIRCUITS AS SHOWN. COORDINATE WITH FIXTURE MANUFACTURER AND PROVIDE ADDITIONAL ACCESSORIES FOR A COMPLETE AND PROPER INSTALLATION. PROVIDE PROPER FIXTURE LENGTH, FEEDS, SINGLE AND DUAL CIRCUITING AND SUSPENSION LENGTH AS SHOWN ON DRAWINGS. PROVIDE FABRICATION DRAWINGS FOR REVIEW AS PART OF THE SHOP DRAWING SUBMITTAL PROCESS.
3. LED FIXTURES (LESS THAN 10000 LUMENS) SHALL BE PROVIDED WITH FACTORY INSTALLED INTEGRAL EMERGENCY BATTERY UNITS BATTERY UNITS SHALL PROVIDE A MINIMUM OF 1400 LUMENS.
4. FIXTURES THAT CANNOT BE PROVIDED WITH EMERGENCY BALLASTS OR FIXTURES WITH GREATER THAN 10000 LUMENS SHALL BE PROVIDED WITH EMERGENCY INVERTER (MYERS ELV SERIES OR APPROVED EQUAL) WITH SUITABLE CAPACITY TO POWER FIXTURE FOR A MINIMUM OF 90 MINUTES PER CODE. VERIFY SIZING AND REQUIREMENTS WITH CONTRACT DOCUMENTS PRIOR TO ORDERING.
5. SHADED FIXTURES SHALL HAVE AN EMERGENCY SOURCE OF POWER AS SPECIFIED.
6. EXTERIOR LIGHTING POLES SHALL BE PROVIDED WITH STRAIGHT SQUARE STEEL POLES WITH CAST BASE COVERS AND VIBRATION DAMPENERS. THE POLES SHALL BE SIZED PROPERLY TO SUPPORT FIXTURE WEIGHT AT 100 MPH WIND WITH A 1.3 GUST FACTOR. MINIMUM POLE SIZE TO BE 5" SQUARE. PROVIDE ADDITIONAL MOUNTING ACCESSORIES AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.
7. FOR EXTERIOR POLE MOUNTED LIGHTING, PROVIDE FACTORY MOUNTED HOUSE SIDE SHIELDS INTEGRAL TO THE FIXTURE AS SPECIFIED. ADDITIONALLY, PROVIDE CUSTOM FABRICATED POLE MOUNTED HOUSE SIDE SHIELDING AS REQUIRED TO CONTROL LIGHT TRESPASS AND COMPLY WITH LOCAL REQUIREMENTS.
8. FIXTURES WITH EMERGENCY BATTERIES SHALL BE PROVIDED WITH CONSTANT HOT SENSING WIRE SO THAT FIXTURE CAN BE SWITCHED ON AND OFF WITHOUT ACTIVATING EMERGENCY BALLAST. UPON LOSS OF POWER, THE FIXTURE SHALL BE ILLUMINATED FOR A MINIMUM OF 90 MINUTES REGARDLESS OF THE LIGHT SWITCH POSITION. PROVIDE TEST SWITCH AND CHARGING INDICATOR FOR EMERGENCY BATTERY AS SPECIFIED.
9. CAREFULLY COORDINATE MOUNTING REQUIREMENTS FOR FIXTURES WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER. PROVIDE APPROPRIATE MOUNTING FRAMES FOR LAY-IN OR GYPSUM CEILINGS. VERIFY CEILING REQUIREMENTS WITH FINAL ARCHITECTURAL REFLECTED CEILING PLAN.
10. VERIFY FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
11. PROVIDE CUSTOM ANTI-SWAY BRACING FOR PENDANT TO ELIMINATE PENDANT MOVEMENT DUE TO AIR MOVEMENT OR ENVIRONMENTAL CAUSES.
12. COORDINATE LOCATIONS OF INTERIOR AND EXTERIOR LIGHTING FIXTURES WITH FINAL ARCHITECTURAL DRAWINGS. FIXTURES THAT ARE NOT INSTALLED IN THE CORRECT LOCATION SHALL BE RELOCATED AND REINSTALLED IN THE CORRECT LOCATION AT NO ADDITIONAL CHARGE.
13. FIXTURES SHALL BE CAREFULLY COORDINATED WITH MANUFACTURER TO DELIVER THE SPECIFIED PRODUCT IN SUFFICIENT TIME TO MEET PROJECT DEADLINES. EQUIPMENT DELIVERY LEAD TIME SHALL NOT BE HELD AS A VALID REASON FOR REQUESTING LUMINAIRE SUBSTITUTION UNLESS LUMINAIRE LEAD TIME FROM SPECIFIED MANUFACTURER IS IN EXCESS OF 14 WEEKS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DETERMINE NECESSARY EQUIPMENT LEAD TIMES, DELIVER SUBMITTALS FOR REVIEW IN A TIMELY FASHION, AND PLACE ORDERS ACCORDINGLY TO ENSURE TIMELY DELIVERY.
14. EVALUATION OF APPROVED EQUALS SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT AND ENGINEER. IF THE PRODUCT SUBMITTED DURING THE REVIEW PROCESS IS NOT JUDGED AS AN EQUAL BY THE REVIEWING ENGINEER, THE CONTRACTOR SHALL PROVIDE THE PRODUCT SPECIFIED.
15. CAREFULLY COORDINATE VOLTAGES OF FIXTURES PRIOR TO ORDERING FIXTURES.
16. APPROVED EQUALS WILL BE CONSIDERED FROM THE FOLLOWING VENDORS: KSA LIGHTING (630.307.6955), FORCE CHICAGO (312.986.1515) OR PG ENLIGHTEN (847.228.1199).
17. CAREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING.

ADMIN BLDG EXTERIOR LIGHTING CONTROL SEQUENCE DIAGRAM



BUS BARN EXTERIOR LIGHTING CONTROL SEQUENCE DIAGRAM



INTERIOR LIGHTING LUMINAIRE SCHEDULE

TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/ BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
AA		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #VTL4-40L-ADP-EZ1-LP840 COLUMBIA #LCAT24-40LW-G-EDI-U METALUX #24CZ2-40-UNV-L840-CD1-U	277 VOLT 0-10V DIM - -	LED 4000K MAX 32 W MIN 4000 LM	RECESSED LAY-IN	- - - -
AA1		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #VTL4-48L-ADP-EZ1-LP840 COLUMBIA #LCAT24-40HL-G-EDI-U METALUX #24CZ2-50-UNV-L840-CD1-U	277 VOLT 0-10V DIM - -	LED 4000K MAX 39 W MIN 4800 LM	RECESSED LAY-IN	- - - -
AA2		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #VTL4-60L-ADP-EZ1-LP840 COLUMBIA #LCAT24-40HL-G-EDI-U METALUX #24CZ2-60-UNV-L840-CD1-U	277 VOLT 0-10V DIM - -	LED 4000K MAX 48 W MIN 6000 LM	RECESSED LAY-IN	- - - -
AB		2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA #VTL2-48L-ADP-EZ1-LP840 COLUMBIA #LCAT22-40LV-G-EDI-U METALUX #22CZ2-50-UNV-L840-CD1-U	277 VOLT 0-10V DIM - -	LED 4000K MAX 39 W MIN 4800 LM	RECESSED LAY-IN	- - - -
AC		2' X 4' LED KITCHEN FIXTURE	LITHONIA #2GTL4-60L-EZ1-LP840 COLUMBIA #LIT24-40ALG-FSA12-EU METALUX #24GRLED-LD5-64-FI-UNV-L840-CD1-U	277 VOLT 0-10V DIM - -	LED 4000K MAX 49 W MIN 6000 LM	RECESSED LAY-IN	- - - -
AD		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA #VTL4-85L-ADP-EZ1-LP840 OR APPROVED EQUAL BY COLUMBIA OR METALUX	120/277 VOLT 0-10V DIM - -	LED 4000K MAX 68 W MIN 8500 LM	RECESSED LAY-IN	- - - -
CA		LED 6" DOWNLIGHT WITH TRIM FINISH TO BE SELECTED BY ARCHITECT	LITHONIA #LDN6-40-15-L06-XX-LS8-MVOLT-EZ1 LITEISTRY #LTR-6RD-H-SLISL-DM11-LTR-6RD-T-SL-40K8-MD-S/B24 HALO #HC6150D10 / HM612840 / 6IMDHLF	120/277 VOLT 0-10V DIM -	LED 4000K MAX 18 W MIN 1500 LM	RECESSED GRID/GYPSUM MOUNTED	-VERIFY TRIM FINISH WITH ARCHITECT
PA		4', LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS	LITHONIA #CLX-L48-5000LM-SEF-RDL-MVOLT-EZ1-40K-80CRI COLUMBIA #MP84-40HL-C-W-EDI-UMPSWG4/CSHC METALUX #6SNLED-LD5-SLW-528L-UNV-L840-CD1-U/US-SNF-4FT/AYC-CHAIN/SET	277 VOLT 0-10V DIM -	LED 4000 K MIN 5000 LM MAX 36 W	SUSPENDED #13'-0" AFF	-COORD LOCATIONS WITH DUCTWORK & PIPING
PA1		4', LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS	LITHONIA #CLX-L48-10000LM-SEF-RDL-MVOLT-EZ1-40K-80CRI OR APPROVED EQUAL BY COLUMBIA OR METALUX	120/277 VOLT 0-10V DIM -	LED 4000 K MIN 10000 LM MAX 74 W	SUSPENDED CHAIN	-COORD LOCATIONS WITH DUCTWORK & PIPING
PA2		4', LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS	LITHONIA #CLX-L48-7000LM-SEF-RDL-MVOLT-EZ1-40K-80CRI OR APPROVED EQUAL BY COLUMBIA OR METALUX	120/277 VOLT 0-10V DIM -	LED 4000 K MIN 7000 LM MAX 50 W	SUSPENDED CHAIN	-COORD LOCATIONS WITH DUCTWORK & PIPING
PB		HIGH PRESSURE WET LOCATION SPECIAL ENVIRONMENT FIXTURE FOR BUS WASH AREA	LITHONIA #LHF-L24-8000LM-ACL-MD-MVOLT-GZ10-35K-80CRI-XX-XX OR APPROVED EQUAL	MVOLT	-	-	-
PC		LED 4' CONTINUOUS DIRECT/INDIRECT PENDANT FIXTURE	AXIS LIGHTING #TB4DILED-400-1000-80-40-SO-SO-XX-XX-UNV-DP-1-XX OR APPROVED EQUAL BY NULITE OR LUMENIERX	277 VOLT 0-10V DIM - -	LED 4000 K MIN 1400LM MAX 12W/ft	SUSPENDED #9'-0" AFF.	-VERIFY FINISH WITH ARCHITECT. -COORDINATE RUN LENGTHS WITH DRAWINGS
PC1		LED 4' CONTINUOUS DIRECT/INDIRECT PENDANT FIXTURE	AXIS LIGHTING #TB4ILED-800-0-80-40-SO-SO-XX-XX-UNV-DP-1-XX OR APPROVED EQUAL BY NULITE OR LUMENIERX	277 VOLT 0-10V DIM - -	LED 4000 K MIN 800LM MAX 32W/ft	SUSPENDED #9'-0" AFF.	-VERIFY FINISH WITH ARCHITECT. -COORDINATE RUN LENGTHS WITH DRAWINGS
PD		LED HIGH BAY FIXTURE	LITHONIA #IBE-L48-22000LM-ATC-MD-MVOLT-GZ10-40K-80CRI-WGX-X-X OR APPROVED EQUAL BY METALUX OR COLUMBIA	120/277 VOLT	LED 4000 K MIN 22000LM MAX 165W	PENDANT MOUNTED	-PROVIDE WIRE GUARD PROTECTION -PROVIDE RIGID MOUNTING -
XA		SINGLE FACE EXIT 6" GREEN LETTERS CAST ALUM BODY, AC ONLY	LITHONIA #LE SERIES DUAL LITE #SEDG SERIES SURE LITES #CX6-1-G	120/277 VOLT	LED MAX 5W	CEILING/ WALL	-FURNISH WITH ARROWS AS REQ'D BY CODE -PROVIDE WIREGUARD WHERE INDICATED ON PLANS
XB		DOUBLE FACE EXIT 6" GREEN LETTERS CAST ALUM BODY, AC ONLY	LITHONIA LE SERIES DUAL LITE #SEDG SERIES SURE LITES #SEL SERIES	120/277 VOLT	LED. MAX 5W	CEILING/ WALL	-FURNISH WITH ARROWS AS REQ'D BY CODE -PROVIDE WIREGUARD WHERE INDICATED ON PLANS
NL		CONSTANT HOT, UNSWITCHED NIGHT LIGHT FIXTURE					
EM		FIXTURE ON EMERGENCY CIRCUIT WITH 90 MINUTE, HIGH OUTPUT (MIN 1400LM) BATTERY UNIT OR INVERTER	FIXTURES LESS THAN 10000 LM: BODINE FACTORY INSTALLED BATTERY OR, AT CONTRACTOR'S DISCRETION, MYERS LV SERIES INVERTER (SIZE AND QUANTITY AS REQUIRED) FIXTURES GREATER THAN 10000LM: MYERS LV SERIES INVERTER (SIZE AND QUANTITY AS REQUIRED)	120/277 VOLT	-	IN FIXTURE/ REMOTE	-PROVIDE TEST SWITCH AND CHARGING INDICATOR -INTEGRAL BATTERIES NOT ALLOWED IN FIXTURES WITH GREATER THAN 10000 LUMENS

EXTERIOR LIGHTING LUMINAIRE SCHEDULE

TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/ BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
EA		EXTERIOR LED WALLPACK	LITHONIA #TRU-LED-P1-SR3-40K-MVOLT HUBBELL #OSP1-12L20-4K7-3-UNV-XX MCGRAW EDISON #SS SERIES	MVOLT - -	LED 2244 LM 20 W 4000K	WALL MTD 10'-0" AFG OR AS NOTED ON DWGS.	-
EA1		EXTERIOR LED WALLPACK	LITHONIA #TRU-LED-P3-SR3-40K-MVOLT HUBBELL #OSP2-24L50-4K7-4-UNV-XX MCGRAW EDISON #SS SERIES	MVOLT - -	LED 4486 LM 40 W 4000K	WALL MTD 10'-0" AFG OR AS NOTED ON DWGS.	-
EA2		EXTERIOR LED WALLPACK	LITHONIA #TRU-LED-P4-SR4-40K-MVOLT HUBBELL #OSP2-24L70-4K7-4-UNV-XX MCGRAW EDISON #SS SERIES	MVOLT - -	LED 5991 LM 51 W 4000K	WALL MTD 9'-0" AFG	-
EB		EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, ROUND 30' ALUMINUM POLE	LITHONIA #OMERO MR2-LED-60C-1000-40K-T3M KIM #UR28-96L-170-4K7-5-480-A34-XX/RSA30 MCGRAW EDISON #TOP TIER POST TOP	MVOLT (480V) -	LED 21418 LM 206 W 4000K	POLE MTD 30'-0" AFG -	-
EB1		EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, ROUND 30' ALUMINUM POLE	LITHONIA #OMERO MR2-LED-60C-1000-40K-T5M KIM #UR28-96L-170-4K7-5-480-A34-XX/RSA30 MCGRAW EDISON #TOP TIER POST TOP	MVOLT (480V) -	LED 21647 LM 206 W 4000K	POLE MTD 30'-0" AFG -	-
EB2		EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, ROUND 30' ALUMINUM POLE	LITHONIA #OMERO MR2-LED-60C-1000-40K-T4M KIM #UR28-96L-170-4K7-4-480-A34-XX/RSA30 MCGRAW EDISON #TOP TIER POST TOP	MVOLT (480V) -	LED 21282 LM 206 W 4000K	POLE MTD 30'-0" AFG -	-
EB3		EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, ROUND 30' ALUMINUM POLE	LITHONIA #OMERO-MR2-LED-60C-1000-40K-T4M-H6 KIM #UR28-96L-170-4K7-4-480-A34-XX/RSA30 MCGRAW EDISON #TOP TIER POST TOP	MVOLT (480V) -	LED 21282 LM 206 W 4000K	POLE MTD 30'-0" AFG -	-
EB4		EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, ROUND 30' ALUMINUM POLE	LITHONIA #OMERO MR2-LED-60C-1000-40K-T2M KIM #UR28-96L-170-4K7-2-480-A34-XX/RSA30 MCGRAW EDISON #TOP TIER POST TOP	MVOLT (480V) -	LED 20224 LM 206 W 4000K	POLE MTD 30'-0" AFG -	-
EC		EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, ROUND 15' ALUMINUM POLE	LITHONIA #OMERO-MRP-LED-42C-530-40K-SR3-MVOLT KIM #UR20-28L-70-4K7-3-UNV-PR33-XX/RSA15 INVUE #HESA LED	MVOLT (480V) -	LED 6581 LM 75 W 4000K	POLE MTD 15'-0" AFG -	-
EC1		EXTERIOR LED FIXTURE MOUNTED ON A STRAIGHT, ROUND 15' ALUMINUM POLE	LITHONIA #OMERO-MRP-LED-42C-530-40K-SR2-MVOLT KIM #UR20-28L-70-4K7-2-UNV-PR33-XX/RSA15 INVUE #HESA LED	MVOLT (480V) -	LED 6605 LM 75 W 4000K	POLE MTD 15'-0" AFG -	-
ED		LED 6" DOWNLIGHT WITH TRIM FINISH TO BE SELECTED BY ARCHITECT	LITHONIA #LDN6-35-15-L06-XX-LS8-MVOLT-EZ1 LITEISTRY #LTR-6RD-H-SLISL-DM11-LTR-6RD-T-SL-40K8-MD-S HALO #HC6150D10 / HM612840 / 6IMDHLF	120/277 VOLT 0-10V DIM - -	LED 4000K MAX 18 W MIN 1500 LM	RECESSED CANOPY MOUNTED -	-VERIFY TRIM FINISH WITH ARCHITECT

AD-1

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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
JC
DRAWN BY
RH/GL/LvB
CHECKED BY
DJ

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

REVISIONS

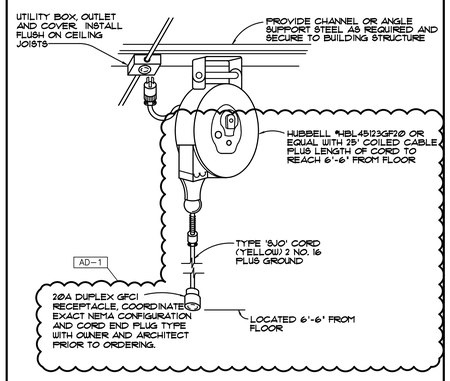
MARK	DATE	ISSUED FOR
AD-1	05/28/21	ADDENDUM NO. 1

DRAWING
ELECTRICAL DETAILS & DIAGRAMS

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
E-502

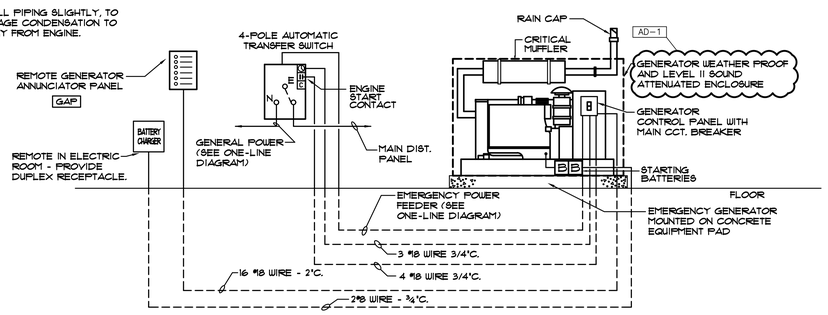
ELECTRIC CORD REEL DETAIL



EMERGENCY GENERATOR WIRING SCHEMATIC

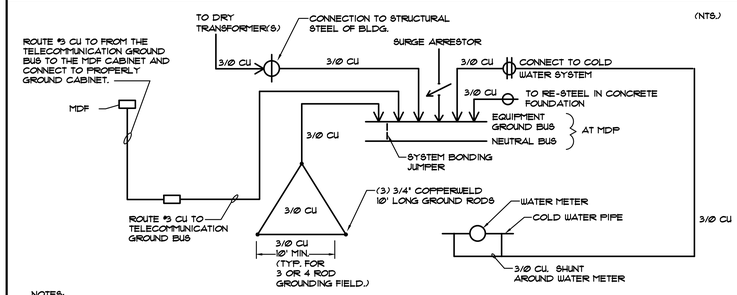
N.T.S.

NOTE:
PITCH ALL PIPING SLIGHTLY, TO ENCOURAGE CONDENSATION TO RUN AWAY FROM ENGINE.



GROUNDING DETAIL

(NTS.)

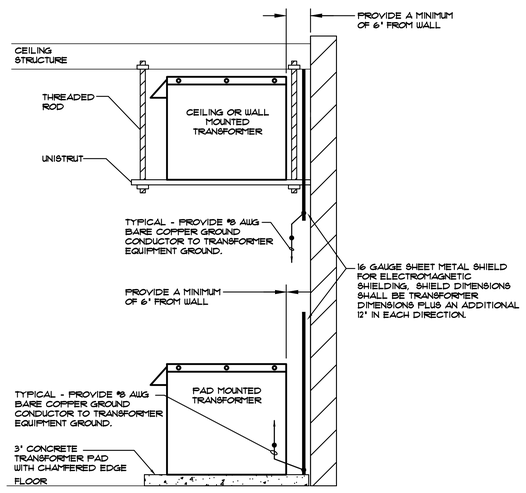


NOTES:

1. CONTRACTOR SHALL FOLLOW THIS DETAIL FOR PROPER GROUNDING CONNECTIONS, INCLUDING FURNISH AND INSTALL ALL CONDUCTORS AND EQUIPMENT SUCH AS GROUND RODS, SURGE ARRESTOR, GROUND BUS, ETC. TO PROPERLY GROUND/BOND ALL EQUIPMENT.
2. SYSTEM GROUNDING FOR INTERIOR DISTRIBUTION TRANSFORMERS SHALL BE MADE TO A GROUNDING ELECTRODE AS NEAR AS PRACTICAL TO, AND PREFERABLY IN THE SAME AREA AS, THE TRANSFORMER. THE ELECTRODE SHALL BE THE NEAREST OF A METAL WATER PIPE GROUNDING ELECTRODE OR STRUCTURAL METAL GROUNDING ELECTRODE.
3. GROUNDING ELECTRODE RESISTANCE SHALL BE 25 OHMS OR LESS. SHOULD THE MEASURED RESISTANCE BE HIGHER THAN 25 OHMS, ADDITIONAL SUPPLEMENTAL ELECTRODES SHALL BE PROVIDED AS REQUIRED TO REACH A RESISTANCE TO EARTH OF 25 OHMS OR LESS.
4. IN ADDITION TO THE ABOVE DEPICTED CONNECTIONS, CONTRACTOR SHALL PROVIDE ALL GROUND RODS, GROUND GRIDS, AND OTHER GROUNDING ELECTRODES AS REQUIRED BY THE UTILITY COMPANY AND MAKE CONNECTIONS TO UTILITY EQUIPMENT PER UTILITY COMPANY STANDARDS.

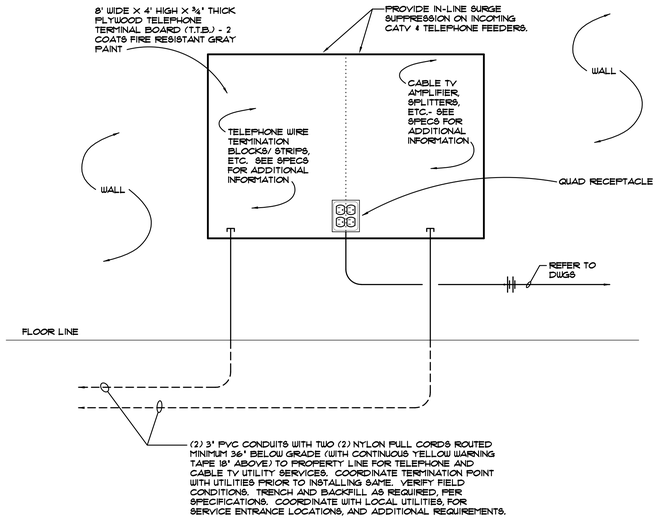
TRANSFORMER ELECTROMAGNETIC SHIELDING

(N.T.S.)

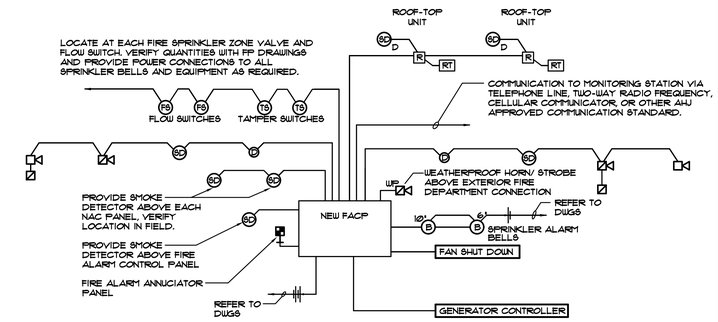


LOW VOLTAGE SERVICE ENTRANCE DIAGRAM

(NTS.)



ADMIN BLDG FIRE ALARM SCHEMATIC RISER DIAGRAM



NOTES:

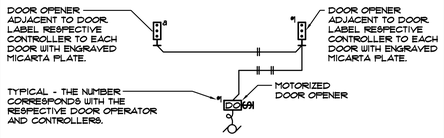
1. THIS DIAGRAM IS SCHEMATIC ONLY AND DOES NOT SHOW ALL FIRE ALARM DEVICES, AIR HANDLING UNITS, ROOF-TOP UNITS OR FIRE PROTECTION DEVICES - REFER TO ALL PLANS AND SPECIFICATIONS FOR QUANTITIES, LOCATION, ACCEPTABLE MANUFACTURERS, ETC.
2. ELECTRICAL CONTRACTOR SHALL FURNISH DUCT SMOKE DETECTORS. MECHANICAL CONTRACTOR SHALL INSTALL DUCT SMOKE DETECTOR AND ELECTRICAL CONTRACTOR SHALL MAKE FINAL WIRING CONNECTIONS AS REQUIRED. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF DUCT SMOKE DETECTORS.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE INTERLOCKING BETWEEN DUCT SMOKE DETECTORS, FIRE ALARM CONTROL PANEL, ROOF-TOP UNITS AND FAN SHUT DOWN RELAYS SO THAT UPON ACTIVATION OF FIRE ALARM SYSTEM, ALL AIR HANDLING EQUIPMENT AND SMOKE/FIRE DAMPER SHALL SHUT DOWN. ALL AIR HANDLING EQUIPMENT SHALL START AUTOMATICALLY (AND SEQUENTIALLY) UPON RESETTING OF THE FIRE ALARM SYSTEM.
4. ELECTRICAL CONTRACTOR SHALL CONNECT SMOKE/FIRE DAMPERS THROUGHOUT FACILITY TO CLOSE DAMPERS UPON ACTIVATION/ALARM OF SMOKE DUCT DETECTOR MOUNTED IN DUCT AHEAD OF RESPECTIVE DAMPER OR LOCAL SMOKE DETECTORS, COMPLETE AS REQUIRED. VERIFY LOCATION AND QUANTITIES ON MECHANICAL AND ARCHITECTURAL PLANS AND IN FIELD. INTERLOCK SMOKE DUCT DETECTORS AND DAMPERS WITH FIRE ALARM CONTROL PANEL, COMPLETE AS REQUIRED.
5. PROVIDE ADDITIONAL PARTS, ACCESSORIES, CARDS, ETC. AS REQUIRED TO COMPLETE THE WORK. FIRE ALARM DEVICES SHALL BE CONNECTED TO THE FIRE ALARM POWER SUPPLY AND BATTERIES OF THE SYSTEM AND SHALL NOT BE CONNECTED TO NORMAL POWER.
6. PROVIDE ALL RELAYS AND DEVICES AS REQUIRED TO MONITOR GENERATOR STATUS INCLUDING GENERATOR RUNNING AND GENERATOR TROUBLE.

O.H. DOOR OPERATOR DETAIL

N.T.S.

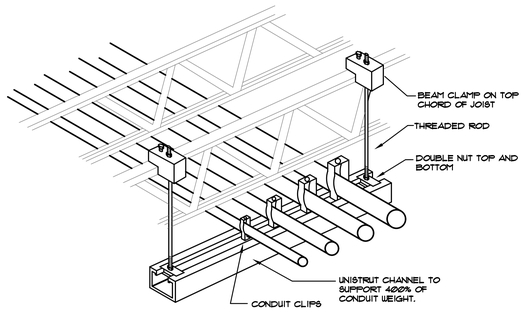
NOTES:

1. TYPICAL FOR ALL MOTORIZED DOOR OPERATORS IN DESIGNATED ROOM.
2. COORDINATE WITH DOOR OPERATOR MANUFACTURER AND PROVIDE ALL ELECTRICAL CONNECTIONS FOR PHOTOELECTRIC EYE, AUTOMATIC SAFETY SWITCHES, EXTERIOR REMOTE ANTENNA AND ADDITIONAL REQUIREMENTS PRIOR TO ROUGH-IN.

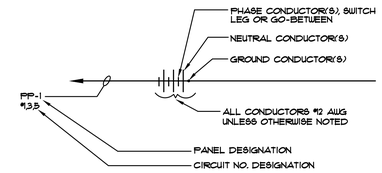


TYPICAL FOR OVERHEAD DOORS

2 1/2" AND LARGER CONDUIT SUPPORT DETAIL



KEY TO ELECTRICAL CIRCUIT WIRING

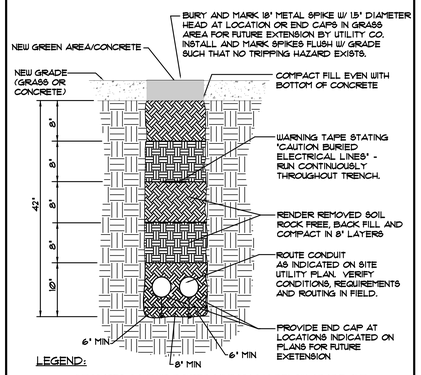


NOTES:

1. ALL WIRING SHALL BE #12 AWG, UNLESS OTHERWISE NOTED.
2. MINIMUM CONDUIT SIZE SHALL BE ¾" EXCEPT FOR THREE (3) WIRES OR LESS, OR CONTROL WIRING WITHIN BUILDINGS, WHICH MAY BE ½" CONDUIT.
3. ½" FLEXSTEEL, GREENFIELD OR SEALITE SHALL BE THE MINIMUM SIZE INSTALLED.

TRENCH DETAIL

N.T.S.



LEGEND:

- - - INDICATES CONDUIT ROUTED MINIMUM 36" BELOW GRADE AND LISTED FOR DIRECT BURIAL WITH NYLON PULL WIRE. COORDINATE CONDUIT TYPE WITH SPECIFICATIONS. REGARDLESS OF THE SPECIFIED CONDUIT, ALL CONDUIT BENDS SHALL BE GALVANIZED RIGID STEEL CONDUIT WITH NO LESS THAN 36" BENDING RADIUS.

[PROPERLY TERMINATE, CAP AND SPIKE WITH 18" METAL SPIKE W/ 15" DIAMETER FOR FUTURE EXTENSION.

GIBRALTAR DESIGN
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PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

HANOVER COMMUNITY SCHOOL CORPORATION
CEDAR LAKE, INDIANA

GIBRALTAR DESIGN
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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 JC
DRAWN BY RH/GL/LvB
CHECKED BY DJ

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

REVISIONS

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

DRAWING
ELECTRICAL DETAILS & DIAGRAMS

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
E-503

MDP-BUS BARN

TOTAL KW: 30.6 | ENCLOSURE: NEMA 1 | PHASE: 3Φ | VOLTAGE: 277 / 480
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: 65K AIC | MCB(AMPS): 400
FEEDER: SEE ONE-LINE | 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
RT-2A	70		1326.4			1	2	2827			15		GEF-5
				1326.4		3	4		2827				
		3			1326.4	5	6			2827		3	
RT-2B	70		1326.4			7	8	2827			15		GEF-6
				1326.4		9	10		2827				
		3			1326.4	11	12			2827		3	
CU-2	15		2786			13	14	2827			15		GEF-7
				2786		15	16		2827				
		3			2786	17	18			2827		3	
PANEL PP-1 VIA XFMR	225		60,044			19	20	1000					
				54,848		21	22		1000		15	3	DBP-1
		3			51,470	23	24			1000			
			1500			25	26	4800					
BOOST PUMP	15	3		1500		27	28		4800		60	3	RINSE CIRCUIT
					1500	29	30			4800			
SPACE						31	32						SPACE
SPACE						33	34						SPACE
SPACE						35	36						SPACE
SPACE						37	38						SPACE
SPACE						39	40						SPACE
SPACE						41	42						SPACE
			90858	85662	82284			14281	14281	14281			

*PROVIDE 100% RATED MCB
NOTE: REFER TO GENERAL NOTE "B"
FOR ADDITIONAL INFORMATION

A= 105,139
B= 99,943
C= 96,565
TOTAL= 301,647

MDP-MAINTENANCE

TOTAL KW: 64.6 | ENCLOSURE: NEMA 1 | PHASE: 3Φ | VOLTAGE: 277 / 480
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: **** AIC | MCB(AMPS): 225A
FEEDER: SEE ONE-LINE | 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
PANEL PP-1 VIA XFMR	125		21,964			1	2						SPACE
				22,492		3	4						SPACE
		3			20,164	5	6						SPACE
SPACE						7	8						SPACE
SPACE						9	10						SPACE
SPACE						11	12						SPACE
SPACE						13	14						SPACE
SPACE						15	16						SPACE
SPACE						17	18						SPACE
SPACE						19	20						SPACE
SPACE						21	22						SPACE
SPACE						23	24						SPACE
SPACE						25	26						SPACE
SPACE						27	28						SPACE
SPACE						29	30						SPACE
SPACE						31	32						SPACE
SPACE						33	34						SPACE
SPACE						35	36						SPACE
SPACE						37	38						SPACE
SPACE						39	40						SPACE
SPACE						41	42						SPACE
			21,964	22,492	20,164			0	0	0			

A= 21,964
B= 22,492
C= 20,164
TOTAL= 64,620

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

MECHANICS - HP-1

TOTAL KW: 6.9 | ENCLOSURE: NEMA 1 | PHASE: 3Φ | VOLTAGE: 277 / 480
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: 22K AIC | MCB(AMPS): 100
FEEDER: 4 #2 & 1 #8 GRD. - 1 1/2"C. | LOCATION: MECH 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
SITE LIGHTING	20	1	2285			1	2						SPACE
SPARE	20	1				3	4						SPACE
SITE LIGHTING	20	1			267.8	5	6						SPACE
SITE LIGHTING	20	1	1954			7	8						SPACE
SPARE						9	10						SPACE
SPARE						11	12						SPACE
SPARE						13	14						SPACE
SPACE						15	16						SPACE
SPACE						17	18						SPACE
SPARE						19	20						SPACE
SPACE						21	22						SPACE
SPACE						23	24						SPACE
SPACE						25	26						SPACE
SPACE						27	28						SPACE
SPACE						29	30						SPACE
SPACE						31	32						SPACE
SPACE						33	34						SPACE
SPACE						35	36						SPACE
SPACE						37	38						SPACE
SPACE						39	40						SPACE
SPACE						41	42						SPACE
			4239	0	267.8			0	0	0			

A= 4239
B= 0
C= 267.8
TOTAL= 6,817

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

PP-1 - MECHANICS

TOTAL KW: 94.8 | ENCLOSURE: NEMA-1 | PHASE: 3Φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: 22,000 AIC | MCB(AMPS): 400
FEEDER: 4 #500MCM & 1 #3 GRD. - 3"C. | LOCATION: MECHANIC 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
T.T.B.	20	1	400			1	2	400			20	1	6HOP RECEPT
MDF	20	1		800		3	4		400		20	1	6HOP RECEPT
MDF	20	1			800	5	6			400	20	1	6HOP RECEPT
EXTERIOR RECEPT	20	1	1000			7	8	600			20	1	6HOP RECEPT
DOOR OPEN	20	1		1200		9	10		600		20	1	6HOP RECEPT
DOOR OPEN	20	1			1200	11	12			600	20	1	6HOP RECEPT
ALT DOOR OPEN	20	1	1200			13	14	600			20	1	6HOP RECEPT
ALT DOOR OPEN	20	1		1200		15	16		800		20	1	OFFICE
COUNTER RECEPT	20	1			400	17	18			1000	20	1	RECEPT
COUNTER RECEPT	20	1	400			19	20	1000			20	1	BAS/CO DETECT
REFRIGERATOR	20	1		1200		21	22		1200		20	1	MEZZ RECPET
FURNACE F-1	20	1			1200	23	24			2400	25	1	UH-1
GEF-3	30	1	2000			25	26	2400			25	1	UH-2
GEF-3A	25			1440		27	28		2400		25	1	UH-1A
		2			1440	29	30			2400	25	1	UH-2A
BAY LIGHTING	20	1	720			31	32	728			20	1	TEF-3
BAY LIGHTING	20	1		720		33	34		728		20	1	GEF-8
BAY LIGHTING	20	1			720	35	36			728	20	1	GEF-9
BAY LIGHTING	20	1	720			37	38				20	1	SPARE
BAY LIGHTING	20	1		720		39	40				20	1	SPARE
BAY LIGHTING	20	1			720	41	42			3750	45		UH-1
SHOP LTG AND MEZZ.	20	1	1400			43	44	3750				2	
OFFICE LIGHTING	20	1		600		45	46		1000		20	1	EXT LTG NL
SPARE	20	1				47	48			1200	20	1	TOTE PUMPS
EXT. LIGHTING	20	1	180			49	50	1200			20	1	TOTE PUMPS
OIL/TRANS PUMPS	20	1		600		51	52		1200		20	1	TOTE PUMPS
OIL/TRANS PUMPS	20	1			600	53	54			1200	20	1	SPARE
OIL/TRANS PUMPS	20	1	600			55	56	1,000					
OIL/TRANS PUMPS	20	1		600		57	58		900		100	3	EM-MECHANICS
SPARE	20	1				59	60			1,420			
SPARE	20	1				61	62	5,796					
SPARE	20	1				63	64		5,796		90	3	COMPRESSOR
SPARE	20	1				65	66			5,796			
SPARE	20	1				67	68	5,796					
SPARE	20	1				69	70		5,796		90	3	COMPRESSOR
SPARE	20	1				71	72			5,796			
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
			8580	9640	7040			23,210	20,820	29,450			

A= 31,850
B= 30,460
C= 32,530
TOTAL= 94,840

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

PP-1 - RESOURCE

TOTAL KW: 69.6 | ENCLOSURE: NEMA-1 | PHASE: 3Φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: 22,000 AIC | MLO(AMPS): 400
FEEDER: 4 #500MCM & 1 #3 GRD. - 3"C. | LOCATION: RESOURCE 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
SOUND RACK - RM 108	20	1	1000			1	2	300			20	1	REC & TV - 126
SOUND RACK - RM 108	20	1		1000		3	4		1000		20	1	FRIDGE- RM 126
AV - RM 108	20	1			1000	5	6			1200	20	1	REC - RM 126
REC-RM. 108	20	1	800			7	8	1200			20	1	REC - RM 116, 120, & 123
REC-RM. 108	20	1		600		9	10		1600		20	1	HANDRYER - RM 129
REC - RM 108	20	1			800	11	12			1600	20	1	HANDRYER - RM 128
REC - RM 108	20	1	800			13	14	1000			20	1	REC - RM 110
REC - EXTERIOR	20	1		1200		15	16		1000		20	1	REC - RM 112
REC - EWC RM 103	20	1			1200	17	18			1000	20	1	REC - RM 113
REC - COPIER RM 120	20	1	1200			19	20	1000			20	1	REC - RM 121
REC - RM 120	20	1		800		21	22		1000		20	1	REC - RM 122
REC - RM 118	20	1			1000	23	24			1000	20	1	REC - RM 130
REC & TV - RM 118	20	1	700			25	26	1000			20	1	REC - RM 132
REC & TV - RM 125	20	1		700		27	28		1000		20	1	REC - RM 138
REC - RM 125	20	1			1000	29	30			1000	20	1	REC - RM 139
SOUND RACK - RM 135	20	1	800			31	32	1000			20	1	REC - RM 140
SOUND RACKK - RM 135	20	1		800		33	34		1000		20	1	REC - RM 143
FRIDGE - RM 142	20	1			1200	35	36			1200	20	1	REC - DR OPEN RM 152
REC - RM 142	20	1	400			37	38	1000			20	1	REC - REC RM 151
REC - RM 142	20	1		400		39	40		100		20	1	REC - RM 135
REC - RM 142	20	1			400	41	42			800	20	1	REC - RM 135
REC - COPIER RM 142	20	1	1200			43	44	800			20	1	FLOOR REC - RM 135
REC - RM 142 & 145	20	1		1000		45	46		800		20	1	FLOOR REC - RM 135
AV - RM 136	20	1			1000	47	48			800	20	1	FLOOR REC - RM 135
TECH REC - RM 136	20	1	1200			49	50	800			20	1	FLOOR REC - RM 135
TECH REC - RM 136	20	1		800		51	52		800		20	1	FLOOR REC - RM 135
TECH REC - RM 136	20	1			800	53	54			1200	20	1	REC - EWC CORR. 133
AV - RM 135	20	1	1000			55	56	800			20	1	FLOOR BOX - RM 114
AV - RM 135	20	1		1000		57	58		800		20	1	FLOOR BOX - RM 114
REC - RECEPTION 111	20	1			800	59	60			800	20	1	REC - RM 101/103 & 102
REC - RM 111	20	1	1200			61	62	800			20	1	REC - DESK LOBBY 109
REC - RM 111 & 119	20	1		1200		63	64		700		20	1	REC & TV - LOBBY 109
REC - RM 133	20	1			1200	65	66			600	20	1	REC - RM 127
REC - RM 131 & 148	20	1	1200			67	68	600			20	1	REC - BAS RM 145
SPARE	20	1				69	70				20	1	SPARE
SPARE	20	1				71	72			1000	20	1	REC - RM 149
SPARE	20	1				73	74	800			20	1	REC - RM 149
SPARE	20	1				75	76		696		20	1	GEF-1 - RM 149
SPARE	20	1				77	78			1920	30	1	GEF-2 - RM 152
SPARE	20	1				79	80	1176			20	1	TEF-1 - RM 129
SPARE	20	1				81	82		696		20	1	TEF-2 - LOBBY 109
SPARE	20	1				83	84				20	1	SPARE
			11500	9500	10400			12876	11192	14120			

A= 24,376
B= 20,692
C= 24,520
TOTAL= 69,588

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

EM - MECHANICS

TOTAL KW: 3.3 | ENCLOSURE: NEMA-1 | PHASE: 3Φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: 22,000 AIC | MLO(AMPS): 100
FEEDER: 4 #2 & 1 #8 GRD. - 1 1/2"C. | LOCATION: MECHANIC 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	20	1	600			1	2				20	1	SPARE
FACP	20	1		600		3	4				20	1	SPARE
EXITS	20	1			20	5	6				20	1	SPARE
SPARE	20	1				7	8				20	1	SPARE
SPARE	20	1				9	10		300		20	1	EXT. LTG. NL
SPARE	20	1				11	12			1400	20	1	EM. LTG.
SPARE	20	1				13	14	400			20	1	EM. LTG.
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
			600	600	20			400	300	1400			

A= 1,000
B= 900
C= 1,420
TOTAL= 3,320

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

EM - RESOURCE

TOTAL KW: 8.8 | ENCLOSURE: NEMA-1 | PHASE: 3Φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: 22,000 AIC | MLO(AMPS): 30
FEEDER: SEE ONE LINE | LOCATION: RESOURCE 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	20	1	800			1	2	300			20	1	EXIT
FACP	20	1		800		3	4		400		20	1	EXIT LTG NL
BATT CHARGE	20	1			600	5	6			600	20	1	EM LTG
MDF	30		1000			7	8	500			20	1	EM LTG
		2		1000		9	10		800		20	1	EM LTG
TTB	20	1			400	11	12			800	20	1	MDF
SPARE	20	1				13	14	800			20	1	MDF
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
			1800	1800	1000			1600	1200	1400			

A= 3,400
B= 3,000
C= 2,400
TOTAL= 8,800

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

PP-2 - RESOURCE

TOTAL KW: 48.2 | ENCLOSURE: NEMA-1 | PHASE: 3Φ | VOLTAGE: 120 / 208
MOUNTING: SURFACE | BUSSING: COPPER | FAULT CURRENT RATING: 22,000 AIC | MLO(AMPS): 225
FEEDER: 4 #4/0 & 1 #4 GRD. - 2 1/2"C. | LOCATION: RESOURCE 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
VAV-1M	25		2000			1	2	1500			20		VAV-1B
				2000		3	4		1500			2	
		3			2000	5	6			1000	20		VAV-1G
VAV-1C	20		1500			7	8	1000				2	
				1500		9	10		1250		20		VAV-1J
		3			1500	11	12			1250		2	
VAV-1A	20		1666			13	14	1000			20		VAV-1D
				1666		15	16		1000			2	
		3			1666	17	18			750	15		VAV-1N
VAV-1H	15		1000			19	20	750				2	
		2		1000		21	22		1250		20		VAV-1L
VAV-1E	15			1000		23	24			1250		2	
		2	1000			25	26	750			15		VAV-1F
VAV-1K	15			750		27	28		750			2	
		2			750	29	30			750	15		VAV-1I
LIGHTING	20	1	800			31	32	750				2	
LIGHTING	20	1		800		33	34		1100		20	1	LIGHTING
EXTERIOR LTG	20	1			200	35	36			1100	20	1	LIGHTING
SPARE	20	1				37	38	1100		1100	20	1	LIGHTING
SPARE	20	1				39	40		900		20	1	LIGHTING
SPARE	20	1				41	42			600	20	1	LIGHTING
SPARE	20	1				43	44	1100			20	1	LIGHTING
SPARE	20	1				45	46		800		20	1	LIGHTING
SPARE	20	1				47	48			600	20	1	UH-14
SPARE	20	1				49	50	500			20	1	TWH-1
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
			7966	7116	7116			8450	8550	8400			

A= 16,416
B= 16,266
C= 15,516
TOTAL= 48,198

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

AD-1

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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
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

DRAWING
ELECTRICAL SCHEDULES

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
E-602

EM-BUS BARN

TOTAL KW: 5.4	ENCLOSURE: NEMA-1	PHASE: 3Ø	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	

C/B		LOAD					LOAD			C/B		
LOAD DESCRIPTION	TRIP	POLE	A*	B*	C*	CCT. NO.	A*	B*	C*	TRIP	POLE	LOAD DESCRIPTION
SPARE	20	1				1	2	360			20	1	EXTORIOR 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: 166.4	ENCLOSURE: NEMA-1	PHASE: 3Ø	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	

C/B			LOAD				LOAD			C/B		
LOAD DESCRIPTION	TRIP	POLE	A*	B*	C*	CCT. NO.	A*	B*	C*	TRIP	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-EXTORIOR	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
CO PANEL	20	1			600	71	72			1600	20	1	BUS HEATER
SPARE	20	1				73	74	1600			20	1	BUS HEATER
SPARE	20	1				75	76		1600		20	1	BUS HEATER
SPARE	20	1				77	78			1600	20	1	BUS HEATER
BUS HEATER	20	1	1600			79	80	21,244			20*		
SPARE	20	1				81	82		20,192				SUBFEED TO PP-2
SPARE	20	1				83	84			18,942		3	
			18000	13856	11728			42,044	40,992	39,742			

*PROVIDE 100% RATED MAIN CIRCUIT BREAKER

A= 60,044
B= 54,848
C= 51,470
TOTAL= 166,362

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

PP-1-MAINTENANCE

TOTAL KW: 29.8	ENCLOSURE: NEMA-1	PHASE: 3Ø	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	

C/B			LOAD				LOAD			C/B		
LOAD DESCRIPTION	TRIP	POLE	A*	B*	C*	CCT. NO.	A*	B*	C*	TRIP	POLE	LOAD DESCRIPTION
TBB1 - B104	20	1	400			1	2	1000		20	1	FRIDGE - B101
MDF - B104	20	1		1200		3	4		400	20	1	COUNTER
MDF - B104	20	1			1200	5	6			400	20	1	COUNTER
REC - B103	20	1	800			7	8	800			20	1	REC - B104, B105 & B106
AV - B103	20	1		1000		9	10		600		20	1	REC - B104, B105 & B106
AV - B103	20	1			1000	11	12			600	20	1	REC - B104 & B105
REC - B101 & B102	20	1	800			13	14	800			20	1	REC - EXTERIOR
ELVC - B105 & B106	20	1		1200		15	16		1200		20	1	DOOR OPEN
BAS - B104	20				600	17	18			1200	20	1	DOOR OPEN
UH-2 B104	40		3000			19	20	1200			20	1	DOOR OPEN
		2		3000		21	22		728		20	1	GEF-10 - B104
UH-3 - B104	20	1			1572	23	24			2000	30	1	GEF-4 - B105
UH-4 - B105	20	1	1572			25	26				20	1	SPARE
UH-5 - B106	20	1		1572		27	28	528			20	1	TEF-4 - B101
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	2,560					
SPARE	20	1				45	46		1800		60	3	EM-MAINTENANCE
SPARE	20	1				47	48			1,030			
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: 3Ø	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	

C/B			LOAD				LOAD			C/B		
LOAD DESCRIPTION	TRIP	POLE	A*	B*	C*	CCT. NO.	A*	B*	C*	TRIP	POLE	LOAD DESCRIPTION
FACP - B104	20	1	600			1	2			20	1	SPARE
FACP - B104	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

PP-2-BUS BARN

TOTAL KW: 60.4	ENCLOSURE: NEMA-1	PHASE: 3Ø	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	

C/B			LOAD				LOAD			C/B		
LOAD DESCRIPTION	TRIP	POLE	A*	B*	C*	CCT. NO.	A*	B*	C*	TRIP	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	1	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		WH-1
BUS BARN LIGHTING	20	1		1400		33	34		2050			2	
BUS BARN LIGHTING	20	1			1400	35	36			2050	25		WH-2
BUS BARN LIGHTING	20	1	1400			37	38	2050				2	
SPARE	20	1				39	40		4350		60		WH-3
SPARE	20	1				41	42			4350		2	
SPARE	20	1				43	44	2,560					
SPARE	20	1				45	46		1800		60	3	EM-BUS BARN
SPARE	20	1				47	48			1,030			
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
			9800	8400	8400			11,444	11,192	10,542			

A= 21,244
B= 20,192
C= 18,942
TOTAL= 60,378

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
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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

DRAWING
ELECTRICAL SCHEDULES

PROJECT
HANOVER CSC NEW RESOURCE CENTER AND RELATED WORK

SHEET
E-603