R.C. HENDRICK & SON, INC.
2885 S. GRAHAM RD.
SAGINAW, MI 48609
(989) 781-8116
FAX: (989) 781-9512

HENDRICK
SINCE 1876
GENERAL CONTRACTORS
CONSTRUCTION MANAGERS

ADDENDUM #4 - CM CLARIFICATIONS

Hunger Solution Center
Additions & Renovations
August 21, 2025

1. The bid date has been moved to **Monday, September 8th, 2025 at 1:30 p.m.**

2. CM Clarifications:
   - P, L, M bonds are to be excluded in base bid and to be added as a separate amount under Alternate #2.
   - Any materials for work within the right of way are to be provided by the Earthwork Contractor.
   - All material testing is by Owner.
   - Salvaged on-site topsoil is suitable for reuse.
   - All concrete shown on the drawings will be by Bid Category #5 - Concrete Work including light pole bases and concrete pads.
   - Regarding the snow melt system, the Concrete Contractor shall follow the specified rebar and support methods as shown on drawing E2.3.
   - Any exterior electrical lighting shall be removed by the Electrical contractor. Any concrete light pole bases shall be removed by the Earthwork and Site Utilities contractor.
   - The solar panel system shown on the drawings is not be included in this project.

3. Provide Unit Price for the following items and see attached revised bid form for your use in bidding.
   - $/CY for removal of contaminated soil
   - $/CY for sand fill at areas of contaminated soil removal

4. See attached response to Pre-Bid RFIs.

5. See attached Addendum #4 with revised drawings issued by the Architect.

   Attachments:
   Revised 00 4000 - Bid Form - Add #4 *(3 pages)*
   Response to Pre-Bid RFIs 3, 4, 5, 6, 7 *(10 pages)*
   TSSF Addendum #4 *(14 pages)*

END OF ADDENDUM #4 - CM CLARIFICATIONS

SECTION 00 4000

BID FORM (Revised)

TO: Earl Soules - PM / OR Hunger Solutions Expansion Project
Hunger Solution Center
940 E. Genesee Ave.
Saginaw, MI 48607

RE: Hunger Solution Center
Additions & Renovations

Having carefully reviewed the bidding documents described in Section 00 1000 and understanding the scope of work involved in the proposed Bid Category and those that interface with it, we hereby propose to furnish labor, materials, tools, equipment, supervision, insurance and services required for the completion of all work required for the Bid Category indicated in accordance with the Bid Category Description and the Contract Documents prepared by the Architect and Construction Manager.

BID CATEGORY #: _____ **DESCRIPTION:** _____

BIDDERS NAME: _____

BASE BID:

Total Base Sum of _____

_____ Dollars $ _____

(OPTIONAL) COMBINED BID FOR CATEGORIES: _____ **:**

Total Combined Sum of _____

_____ Dollars $ _____

ADDENDA:
And having received and examined the following Addenda: (include date for acknowledgement)

Addendum #	Date Issued	Addendum #	Date Issued

ALTERNATES:
Bidders shall indicate on the Bid Form if the Alternate is an ADD or DEDUCT to the Base Bid and indicate the costs associated. If the Alternate does not affect your base bid you must circle NO CHANGE.

ALTERNATE 1: DELETE ALL WORK RELATED TO THE VEHICLE STORAGE ADDITION (5,469 SQ. FT.) AND THAT AREA WILL BECOME A GREEN SPACE.

ADD $ _____ DEDUCT $ _____ NO CHANGE

ALTERNATE 2: ADD AMOUNT FOR P, L, M BONDS.

ADD $ _____

UNIT PRICES:
Unit prices shall include all necessary material plus costs for delivery, installation, insurance, bonds, applicable taxes, overhead and profit.

1 . Removal of contaminated soil $ _____ CY

2. Sand fill at areas of contaminated soil removal $ _____ CY

VOLUNTARY ALTERNATES / SUBSTITUTIONS:
Bidder is cautioned to bid on the "Standards" specified. The following substitutions from the "Standards" specified are listed herein for consideration, and if accepted, the contract sum may be adjusted in accordance with the following:

_____ Add / Deduct $ _____

_____ Add / Deduct $ _____

TIME AND MATERIAL RATES: (REQUIRED)
Labor rates listed below include the following: Cost of labor including Michigan Single Business Tax, Social Security and Medicare, Federal and State Unemployment tax, and Fringe Benefits Under Collective Bargaining Agreements, and Worker's Compensation Insurance. The rates listed below do not include overhead and/or profit. These rates are only for additions and/or deletions to the contract that could not have been anticipated at the time of the bid.

Trade	Straight Time	Shift Time	1 ½ Time	Double Time

EXPERIENCE MODIFICATION RATE (EMR):
List the EMR for your firm as described by your insurance carrier for the past three (3) years.

2024 _____ 2023 _____ 2022 _____

WORK TIME:
The undersigned hereby agrees to complete the entire work per the Milestone Schedule.

CONTRACT:
The undersigned agrees that the above Base Bid Prices shall hold for 90 days and Alternate Prices for 120 days after receipt of proposals, to accept provisions of "Instructions to Bidders."

SUBMITTED BY:

Firm Name: _____

Address: _____

City/St/Zip: _____

Email Address: _____

Signed: _____ Title: _____

Typed Name: _____ Date: _____

Phone: _____ Fax: _____

If Bidder is a Corporation, indicate State of Incorporation: _____

If a Partnership, give full names of all Partners: _____

Please submit (3) copies and retain (1) copy for your records.

END OF SECTION 00 4000

REQUEST FOR INFORMATION

HENDRICK SINCE 1876
GENERAL CONTRACTORS
CONSTRUCTION MANAGERS

Pre-bid RFI No. 3

Project	:	Hunger Solution Center
R.C. Hendrick Job No.	:	18724
Project Manager	:	Chip Hendrick
Phone No.	:	989.781.8116
Fax No.	:	989.781.9512
Contractor (Initiator)	:	Davenport Masonry, Inc.
Date	:	August 8, 2025
To	:	TSSF
Attn:	:	Keith Kosik
Drawing No.	:	

Area Involved :

Specification No. :

INFORMATION REQUESTED

1) Please see the attached RFI from Davenport Masonry.

Schedule Impact	:	
Cost Impact	:	
Date Answer Required By	:	ASAP
Contractor Signature	:	Greig Carnevale

RESPONSE

Answer Date :

Distribution :

Architect / Engineer Signature :

Outlook

Massonry RFIs - Hunger Solution Center - Additions & Reno...

From Greig Carnevale (Davenport Masonry Inc.) <team@buildingconnected.com>
Date Fri 8/8/2025 8:49 AM
To Oliva Freel <liv@rchendrick.com>

BuildingConnected

Greig Carnevale of **Davenport Masonry, Inc.** sent **The Project Team** a message about

Hunger Solution Center - Additions & Renovations

Massonry RFIs

1. Please confirm that **"ALL"** interior exposed CMU is to be single core units with raked joints. NON-RAKED JOINTS

2. May we use Type S mortar in lieu of Type M for structural masonry? TYPE S MORTAR FOR STRUCTURAL MASONRY. TYPE M NON STRUCTURAL
Type S mortar will meet all the structural specifications for this project.

3. May we use Type N mortar in lieu of Type S for non-structural masonry, particularly for architectural CMU? YES
Type N mortar will clean up better and, at exterior veneer locations, perform better against damage from freeze-thaw cycles.

Reply to Greig

Project Details

Location: 940 East Genesee Avenue, Saginaw, MI 48607, United States of America

Hidden Harvest and East Side Soup Kitchen Additions and Renovations including Site Development

REQUEST FOR INFORMATION

HENDRICK SINCE 1876
GENERAL CONTRACTORS
CONSTRUCTION MANAGERS

Pre-bid RFI No. 4

Project	:	Hunger Solution Center
R.C. Hendrick Job No.	:	18724
Project Manager	:	Chip Hendrick
Phone No.	:	989.781.8116
Fax No.	:	989.781.9512
Contractor (Initiator)	:	Bourdow Contracting LLC
Date	:	August 11, 2025
To	:	TSSF
Attn:	:	Keith Kosik
Drawing No.	:	

Area Involved :

Specification No. :

INFORMATION REQUESTED

1) Please see the attached RFI from Bourdow Contracting .

Schedule Impact	:	
Cost Impact	:	
Date Answer Required By	:	ASAP
Contractor Signature	:	Daniel Bourdow

RESPONSE

Answer Date :

Distribution :

Architect / Engineer Signature :

Outlook

Fwd: RFI - Hunger Solutions

From Chip Hendrick <chip@rchendrick.com>
Date Fri 8/8/2025 6:32 PM
To Oliva Freel <liv@rchendrick.com>; Jenni Roe <jenni@rchendrick.com>
Cc Earl Soules <ecsoules@chartermi.net>

Sent from my Verizon, Samsung Galaxy smartphone
Get Outlook for Android

From: Daniel Bourdow <dan@bourdow.com>
Sent: Friday, August 8, 2025 4:43:36 PM
To: Chip Hendrick <chip@rchendrick.com>
Subject: RFI - Hunger Solutions

IRONSCALES couldn't recognize this email as this is the first time you received an email from this sender dan@bourdow.com

Chip,
A few questions on Drawing C3.0 -
1. Are Catch Basins B & D to be completed by Others (The City of Saginaw)? ALL UTILITY WORK WITHIN ROW. IS BY CITY
2. The drawing shows a water line coming into the building from S. 4th St, but no details. C2.1 SHOWS THIS AS A 4INCH FIRELINE.
3. I didn't see any Proposed Sanitary Line coming out of the building, want to make sure I'm not missing it? PROPOSED SANITARY IS CONNECTED INTERNALLY TO EXISTING SANITARY SERVICE.

Dan

Dan Bourdow

BOURDOW CONTRACTING LLC

7080 Westside Saginaw Rd.
Bay City, MI 48706
Cell: (989) 239-3881
Office: (989)439-1695
Email: dan@bourdow.com

REQUEST FOR INFORMATION

HENDRICK SINCE 1876
GENERAL CONTRACTORS
CONSTRUCTION MANAGERS

Pre-bid RFI No. 5

Project : Hunger Solution Center
R.C. Hendrick Job No. : 18724
Project Manager : Chip Hendrick
Phone No. : 989.781.8116
Fax No. : 989.781.9512

Contractor (Initiator) : Valley Roofing

Date : August 11, 2025

To : TSSF
Attn: : Keith Kosik
Drawing No. :

Area Involved :
Specification No. :

INFORMATION REQUESTED

1) Please see the attached RFI from Valley Roofing.

Schedule Impact :
Cost Impact :
Date Answer Required By : ASAP

Contractor Signature : Bret Lewless

RESPONSE

Answer Date :

Distribution :

Architect / Engineer Signature :

Outlook

Fw: Hunger Solution Center Questions

From Chip Hendrick <chip@rchendrick.com>
Date Mon 8/11/2025 9:24 AM
To Oliva Freel <liv@rchendrick.com>; Jenni Roe <jenni@rchendrick.com>

From: bret lewless <bret@valleyroofinginc.com>
Sent: Monday, August 11, 2025 8:42 AM
To: Chip Hendrick <chip@rchendrick.com>
Subject: Hunger Solution Center Questions

IRONSCALES couldn't recognize this email as this is the first time you received an email from this sender bret @valleyroofinginc.com

1. Specs call for 1.5 inches of iso but drawings only show iso between roof drains? 1.5" ISO EVERYWHERE AT FLAT ROOFS AREAS.
2. Densdeck cover board not shown on drawings but in specs.? PROVIDE DENSDECK, A SPECIFIED
3. Who is responsible for roofing tear off where new addition is added over existing roof? ROOFER
4. How many supports are going to be used at the solar panel installation? There are no details of how the panels are attached to the structure. DETAILS ISSUED AS PART OF UPCOMING ADDENDUM. I BELIEVE THERE ARE 283 SUPPORTS.

Thanks Bret

REQUEST FOR INFORMATION

HENDRICK SINCE 1876
GENERAL CONTRACTORS
CONSTRUCTION MANAGERS

Pre-bid RFI No. 6

Project : Hunger Solution Center
R.C. Hendrick Job No. : 18724
Project Manager : Chip Hendrick
Phone No. : 989.781.8116
Fax No. : 989.781.9512

Contractor (Initiator) : R.C. Hendrick & Son, Inc.

Date : August 12, 2025

To : TSSF
Attn: : Keith Kosik
Drawing No. :

Area Involved :
Specification No. :

INFORMATION REQUESTED

1) Please see the attached RFI from R.C. Hendrick dated 8/5/25.

Schedule Impact :
Cost Impact :
Date Answer Required By : ASAP

Contractor Signature : Greg Semp

RESPONSE

Answer Date :

Distribution :

Architect / Engineer Signature :

Outlook

Hunger Solutions - Prebid RFI's (Group 1)

From Greg Semp <greg@rchendrick.com>
Date Tue 8/5/2025 1:55 PM
To Keith Kosik <keith@tssfinc.com>
Cc Chip Hendrick <chip@rchendrick.com>; Oliva Freel <liv@rchendrick.com>; Jason Jones <jason@rchendrick.com>

Kieth -

Good afternoon...I started to dig into this project this afternoon using your latest and greatest plans and specs, and here is my first batch of prebid RFI's that I have come up with during my review of the current drawings.

1. On the floorplan on Sheet A2.0, the new passthrough from Dining to Dishwashing does not have a door number on it. I believe this is supposed to be labeled A101A when cross referencing the Door Schedule.

2. Reference Above - shouldn't Opening 101A on the Door Schedule also include Remark 3 (like at similar opening 104E does)?

3. On the floorplan on Sheet A2.0, I believe that the opening number for the door between Receiving 112 and Passage 113 is mislabeled. It is currently marked as 112, but I believe that this should be 112F when cross referencing the Door Schedule.

4. Opening 113 on the Door Schedule has this labeled as Door Type 'E', but the remark 5 on this line calls it out as a Coiling Door. Shouldn't this opening be labeled as Door Type 'G'?

5. Opening 120A on the Door Schedule has no label for Door Type. Shouldn't this be Door Type 'F' to match the other adjacent doors along this elevation of the addition?

6. What does T. Hold mean on the sill column of the Door Schedule? My first thought was Threshold, but I have never seen a threshold for an overhead door (reference opening 118A on the current schedule).

7. Should there be FE's in Receiving 112 and Vehicle Storage 119? None are currently shown in these rooms.

8. See Depressed Slab Detail 15 on A2.1 - is there Quarry Tile on this project? Finish Schedule calls for Polished Concrete. Please revise this detail and / or clarify. NO QUARRY TILE.

That should do it for now...I will send additional RFI's as my review and takeoff work begins for this job.

Sincerely,

1-7 ARE ON THE DRAWINGS. SUGGEST REISSUEING THEM. WILL REISSUE AS PART OF ADDENDUM

Greg

--

Gregory M. Semp
Estimator / Project Manager

R.C. Hendrick & Son, Inc.
2885 S. Graham Road -- Saginaw, MI -- 48609
p: 989.781.8116 -- c: 989.280.1747 -- www.rchendrick.com

...a tradition of building excellence

REQUEST FOR INFORMATION

HENDRICK SINCE 1876
GENERAL CONTRACTORS
CONSTRUCTION MANAGERS

Pre-bid RFI No. 7

Project : Hunger Solution Center
R.C. Hendrick Job No. : 18724
Project Manager : Chip Hendrick
Phone No. : 989.781.8116
Fax No. : 989.781.9512

Contractor (Initiator) : R.C. Hendrick & Son, Inc.

Date : August 12, 2025

To : TSSF
Attn: : Keith Kosik
Drawing No. :

Area Involved :
Specification No. :

INFORMATION REQUESTED

1) Please see the attached RFI from R.C. Hendrick dated 8/12/25.

Schedule Impact :
Cost Impact :
Date Answer Required By : ASAP

Contractor Signature : Greg Semp

RESPONSE

Answer Date :

Distribution :

Architect / Engineer Signature :

Outlook

Hunger Solutions - Prebid RFI's (Group 2)

From Greg Semp <greg@rchendrick.com>
Date Tue 8/12/2025 12:08 PM
To Oliva Freel <liv@rchendrick.com>
Cc Chip Hendrick <chip@rchendrick.com>

Liv -

Here is my next batch of prebid RFI's for the Hunger Solutions project, specific to the General Trades package that we are bidding. Please process / submit to TSSF formally so that we have a record of questions from all bidders bvia the RFI log that we spoke about last week.

1. On Architectural sheet A2.0, Alternate #1 is described as the Vehicle Storage Area - 119. However, on the Structural drawings (S1.0) there is talk of a second alternate which to my knowledge, is incorrect. Please confirm / clarify for all bidders. ALTERNATE #1 IS AS INDICATED ON ARCHITECTURAL
2. If Alternate #1 is accepted on this project, for bidding purposes, what are the 'finish' and insulating requirements for the new end wall / east end of the Pallet Storage 118, which now becomes the new exterior wall? Please advise. WORKING ON THIS TODAY. THINKING IF ACCEPTED A WALL WILL BE CONSTRUCTED INSIDE OF BLOCK W/ GYP. BD. PAINT EXTERIOR.
3. There is some confusion regarding the roof framing above Kitchen 114 and Storage 111...we are looking for clarification as to if the Architectural plans are correct (in calling out TJI Joists) or if the Structural plans are correct (in calling out Trusses). Please clarify / confirm for our use in bidding. STRUCTURAL PLANS CORRECT.
4. For clarification purposes, would you be able to label the Phasing requirements (Phase 1 & Phase 2) for how thing project is going to be built onsite, allowing the Owner to still receive deliveries through their existing OH doors? Furthermore, due to this phasing requirement, there will need to be an added concrete foundation and masonry below grade block added below the masonry wall shown to separate Receiving 112 & Passage 113 (assuming that the phasing hasn't changed per my current understanding of the project. Please add this foundation to your addendum plans for use by all bidders on the project.
WILL SEND FLOOR PLAN WITH PHASING PLAN FOR REVIEW AND I HAVE THE STRUCTURAL FOUNDATION REVISED.

That should do it for now...I will send additional RFI's as my review and takeoff work continues on this project.

Sincerely,

Greg

--

Gregory M. Semp
Estimator / Project Manager

R.C. Hendrick & Son, Inc.
2885 S. Graham Road -- Saginaw, MI -- 48609
p: 989.781.8116 -- c: 989.280.1747 -- www.rchendrick.com
...a tradition of building excellence

Hunger Solutions Center
940 East Genessee Avenue
Saginaw, MI 48607

TSSF Architects, Inc.
122 N. Washington Ave.
Saginaw, MI 48607

ADDENDUM NO. 4
Date: August 20, 2025
TSSF Project # 2154

This addendum authorizes the following revisions to the plans and specifications for the above-named project and will be considered fully a part of said documents.

Civil

Item C1 **Clarifications:**
All Utility work within the Right Of Way shall be by City.
The 4-inch line indicated on drawing sheet C2.1 is a fire line.
The sanitary lines are connected internally to the existing sanity line so there is not a new sanitary lead.

ARCHITECTURAL

Item A1: **Section 04065, 4810, Mortar/Grout: Clarification:**
All interior joints shall be concave tooled in lieu of raked. Type S mortar for structural masonry and Type M for non-structural and Type N for non-structural architectural CMU.

Item A2: **Section 07530, Roof Plan Sheet A4.0: Clarification:**
Provide Dens deck and 1.5-inch minimum rigid insulation at flat roof areas as specified.
The 155mph wind uplift is required.

Item A3: **Section 07311: Clarification:**
Provide Ice and water shield under all roof shingle areas.
The roofing contractor is responsible for tear off at existing roof areas.
Provide CertainTeed Landmark PRO shingles in lieu of triple laminate shingles.
The roof mounting solar panel details are on the electrical sheets that are being reissued and mentioned in the electrical portion.

Item A4: **Sheet A2.0: Reissued:**
This sheet is being reissued.
Fire Extinguishers have been added in the Vehicle Storage #119 and Receiving #112.
Door 101A Added at pass through from Existing Dining to Dishwashing.
Door 112F number added in lieu of 112.
Clarification between this sheet and Structural that there is only Alternate #1 as indicated on the Architectural sheet.
Clarification if Alternate #1 is accepted an interior wall on the east masonry exterior wall Needs to be constructed floor to ceiling and shall be 2x4 non comb or metal studs with impact Resistant gypsum board, fiberglass reinforced panels and spray foam insulation. Also, the Under slab rigid insulation will need to be installed 24 inches horizontally and vertically.
Clarification on the construction phasing that phase one of the project is all areas towards Genessee Street from the new truck dock including the adjacent wall and east of the Thompson Street vacation. The intent is to allow access for the owner to continue using the loading doors along the portion of Thompson Street towards Fourth Street. Phase Two is from the new loading dock and wall towards Fourth Street.

Item A5: **Sheet A2.1Detail 15/A2.1: Reissued:**
Detail 15 has been revised to delete mud set quarry tile.

.

Item A6: **Sheet A3.0: Reissued:**
Added door opening 101A coiling counter door.
Door 113 shall be type G in lieu of E.
Door 120A shall be type F.
Door 118A deletes T-hold.

Item A7 **Sheet A1.0: Reissued:**
The Construction Phasing has been indicated on this sheet.

Item A8: **SheetA6.0, Sheet A7.0: Reissued:**
Section 1/A6.0 and 2/A7.0 have been revised to indicate the roof overhang and masonry above the overhead door.

Item A9: **Section 03050:**
Delete any reference to Xypex Waterproofing.

Structural

Item S1: **Sheet S1.0: Reissued:**
Sheet S1.0 has been reissued to indicate an additional foundation required for the Construction phasing in lieu of thickened slab.

Electrical

Item E1: Refer to sheet E2.2 (Re-issued)
Added solar general note #4 and PV mounting details – including roof mount site view, PV clamp details, PV rail splice details, and PV ground & bonding diagram.

Item E2: Refer to sheet E3.3 (Re-issued)
Added PV racking system schedule. Electrical contractor shall provide a complete PV rail racking system for PV mounting. Include railing, splices, clamps, grounding, footings, conduit mounts, etc.

Food Service

Item FS1: **Sheet FSE2PE, Equipment List: Reissued:**
Sheet FSE2PE is reissued along with Equipment List is reissued.

ATTACHMENTS: **Sheet A1.0, Sheet A2.0, Sheet A2.1, Sheet A3.0, Sheet A6.0, Sheet A7.0, Sheet S1.0, Sheet E2.2, Sheet E2.3**

Great Lakes RFI

Item 1 – See complete Specification below

ITEM # 1 SERVING COUNTER, HOT & COLD

Quantity: One (1)
Manufacturer: La Rosa Refrigeration
Model: SERVING

One (1) Model SERVING Approximately 24' Stainless steel serving line, To include: S/S counter with pass-though. 5-well hot food well, four well hot or cold well and sneeze guards. As per spec by Larosa Refrigeration and Food Equipment.
Four (4) Advance Tabco Model DSG-S SERIES Multi-use Food Shiels with stainless steel shelf. Sized and shaped as per drawing.

ITEM # 1 HOT FOOD WELL UNIT, DROP-IN, ELECTRIC

Quantity: Two (2)
Manufacturer: Vollrath
Model: 3640751

Two (2) Model 3640751 Hot Food Well Unit, Drop-In, electric, (4) 12" x 20" individual 20 gauge stainless steel insulated wells, 54-3/4"W x 26"D x 21-1/2"H (overall), wet operation only, individual infinite controls mounted in panel with cord, power indicator light, drip-free flange, 1" copper manifold drain with individual well shutoffs & manifold shutoff, 18 gauge stainless steel top, 18 gauge galvanized exterior housing, includes positioning clips, 4000 watts, 208-240v/60/1-ph, 14.4-16.7 amps, cord with NEMA 6-30P, NSF, cULus, Made in USA (54"W x 25-1/4"D cutout size, requires 7/8" corner radius) (Refer to vollrathfoodservice.com for full warranty policy)

ITEM # 1 HOT / COLD FOOD WELL UNIT, DROP-IN, ELECTRIC

Quantity: Two (2)
Manufacturer: Vollrath
Model: FC-6HC-03120

Two (2) Model FC-6HC-03120 Hot/Cold Well, Drop-In, top mount, (3) pan, remote mountable panel with on-off switch, hot/cold toggle with indicator lights for hot or cold, thermostatic temperature rotary knob control in hot mode, preset cold control, manual manifold drain, 300 series stainless well & flange, galvanized wrapper, 625 watts per well, 15.6amp, 120v/60/1-ph, cord with NEMA 5-20P, cULus, NSF, Made in USA (Refer to vollrathfoodservice.com for full warranty policy)

Item 4 – per written Specification below

ITEM # 4 SHELVING, WITH METAL FRAME

Quantity: Thirty-Two (32)
Manufacturer: Metro
Model: MQ2460G

Thirty-Two (32) Model MQ2460G Quick Ship - MetroMax® Q Shelf, 60"W x 24"D, removable open grid polymer shelf mats on an epoxy coated steel frame with quick adjust corner releases,

(4) wedge connectors, Microban® antimicrobial product protection, 600 lb. capacity per shelf, NSF
Thirty-Two (32) Model MX74P Quick Ship - Polymer trilobal post (compatible with MetroMax® i, MetroMax® 4, MetroMax® Q), 74-3/16"H, for stationary use or with a dolly, adjustable leveling foot, grooved on 1" increments, corrosion proof all polymer construction, NSF

Item 13 – per written Specification below

ITEM # 13 CABINET, ENCLOSED, BUN / FOOD PAN

Quantity: Eight (8)
Manufacturer: Cambro
Model: UPC1600HD110

Eight (8) Model UPC1600HD110 Ultra Camcart® Food Pan Carrier, front loading, one-piece double wall polyethylene shell, foam insulation, holds (24) 2-1/2" deep full size pans, (16) 4" deep full size pans, (12) 6" deep full size pans, (8) 8" deep full size pans, approximate capacity 120 qt., molded-in handles & bumpers, nylon latch, air-tight gasket, vent cap, (4) heavy duty 6" casters (2 fixed, 2 swivel with brakes), black, NSF

Item 18 – per written Specification below

ITEM # 18 EXISTING EQUIPMENT

Quantity: One (1)
Manufacturer: Existing Equipment

One (1) Tilt Skillet - Existing Equipment - FSEC to relocate

Item 35 – per written Specification below

ITEM # 35 SHELVING, WITH METAL FRAME

Quantity: Sixteen (16)
Manufacturer: Metro
Model: MQ2460G

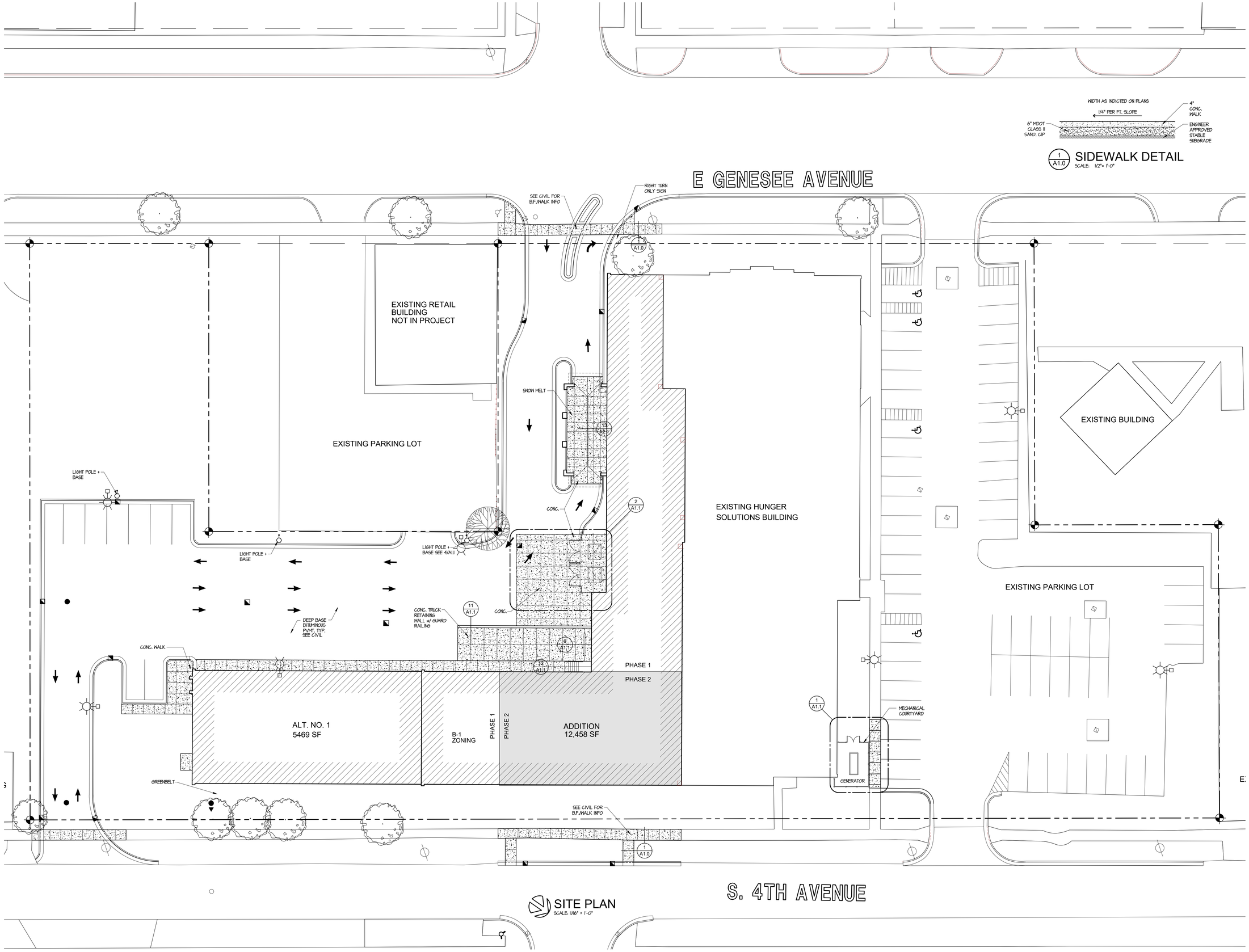
Sixteen (16) Model MQ2460G Quick Ship - MetroMax® Q Shelf, 60"W x 24"D, removable open grid polymer shelf mats on an epoxy coated steel frame with quick adjust corner releases, (4) wedge connectors, Microban® antimicrobial product protection, 600 lb. capacity per shelf, NSF
Sixteen (16) Model MX74P Quick Ship - Polymer trilobal post (compatible with MetroMax® i, MetroMax® 4, MetroMax® Q), 74-3/16"H, for stationary use or with a dolly, adjustable leveling foot, grooved on 1" increments, corrosion proof all polymer construction, NSF

Item 50 – per written Specification below and attached drawing(sheet FS2PE)

ITEM # 50 REFRIGERATED - WAREHOUSE

Quantity: One (1)
Manufacturer: Bally Refrigerated Boxes
Model: WALK-INS

One (1) Model WALK-INS Walk-in cooler/freezer warehouse to include: insulated walls and ceiling panels for a approximate 35' x 50' x 12' tall walk-in, two mechanical sliding doors, refrigeration packages, assembly, installation, refrigeration piping/charging, permits, and start-up. Per Bally project #40625-002-R02-HD



TSSF ARCHITECTS, INC.
ARCHITECTS INTERIORS PLANNERS
122 N. WASHINGTON AVENUE SAGINAW, MICHIGAN

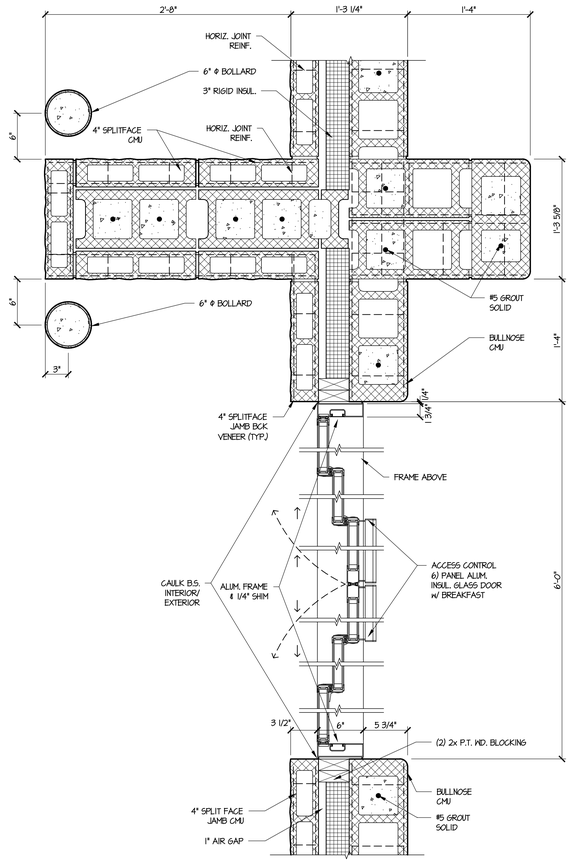
ADDITIONS AND RENOVATIONS TO:
HUNGER SOLUTION CENTER
SAGINAW, MICHIGAN

NO.	DATE
4 ADDENDUM #4	08/19/25

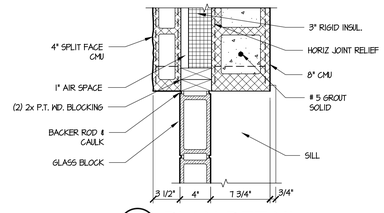
DRAWN BY C.M.B.
DATE 07/03/25
APPROVED

SHEET NO.
A1.0

PROJECT NO.
2154



1 A2.0 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



2 A2.0 PLAN DETAIL
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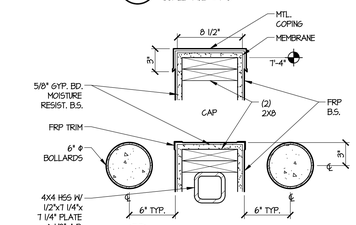

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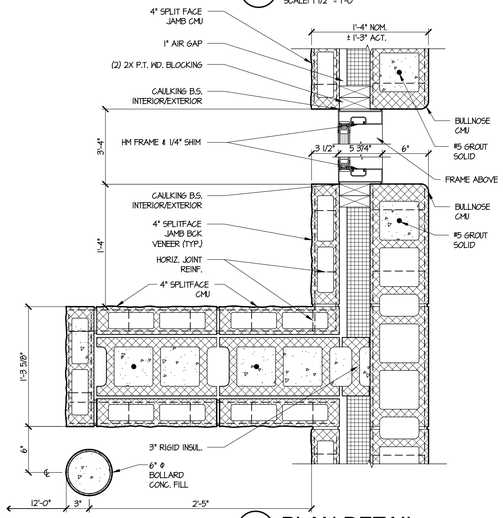

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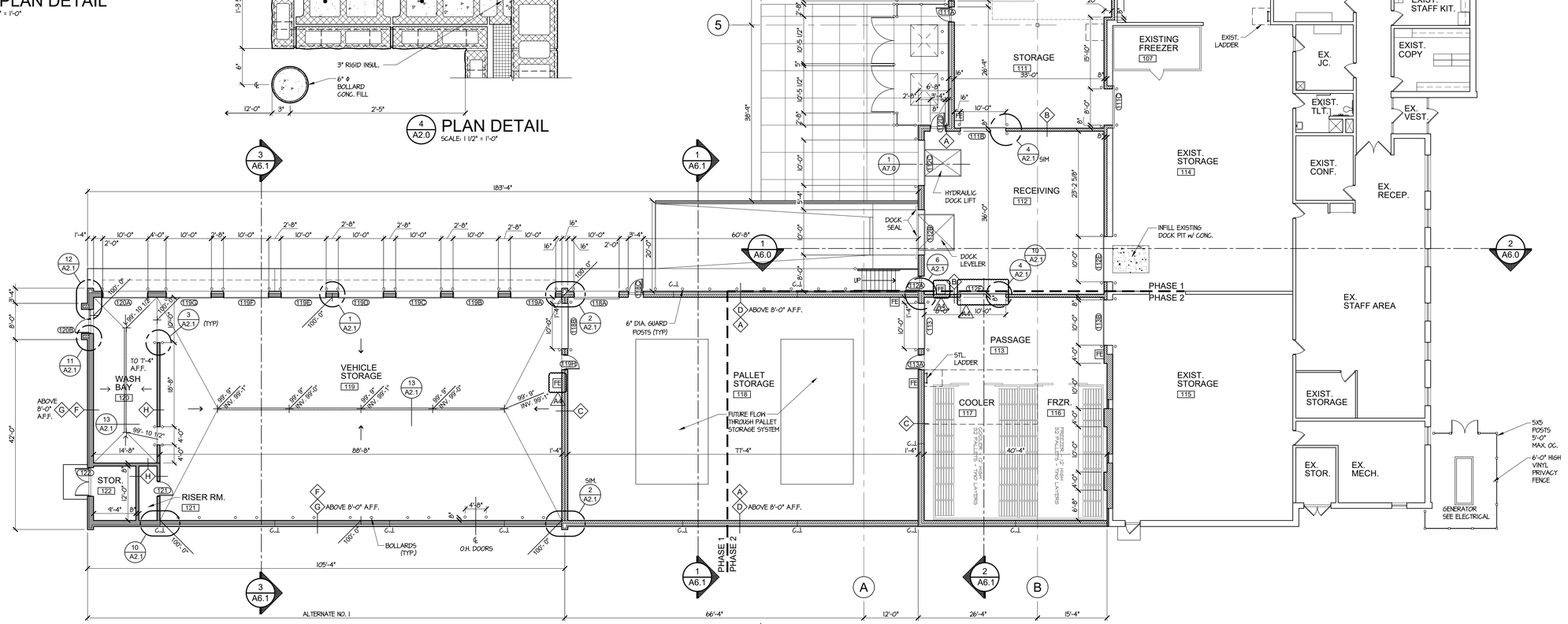

TRUE NORTH
PLAN NORTH

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

TSSF ARCHITECTS, INC.
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122 N. WASHINGTON AVENUE SAGINAW, MICHIGAN

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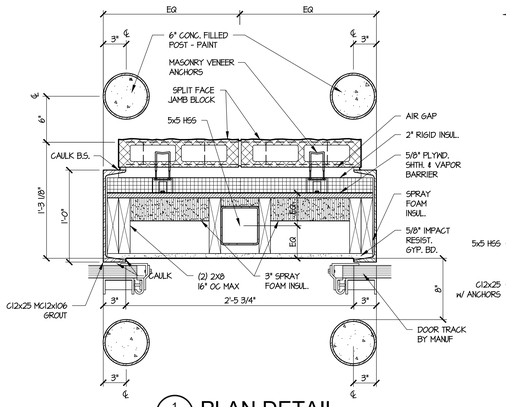
SAGINAW, MICHIGAN

NO.	DATE	
1	08/19/25	ADDENDUM #4

DRAWN BY C.M.B.
DATE 07/03/25
APPROVED

SHEET NO.
A2.0

PROJECT NO.
2154



1 A2.1 PLAN DETAIL
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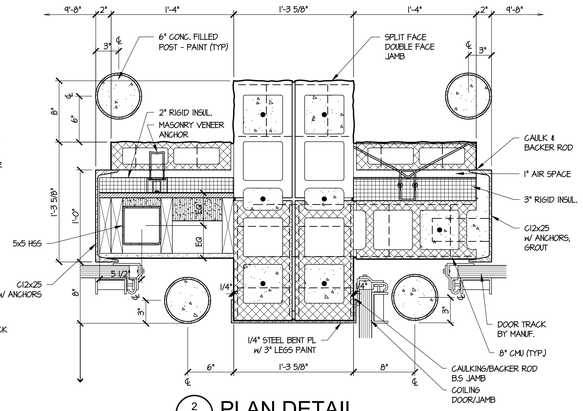

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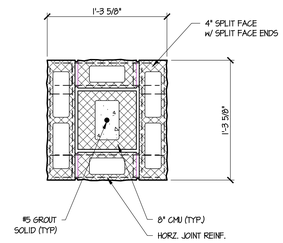

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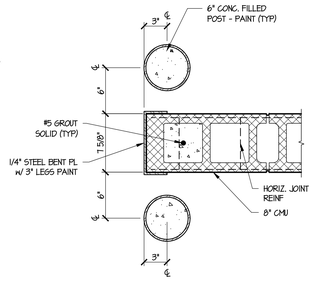

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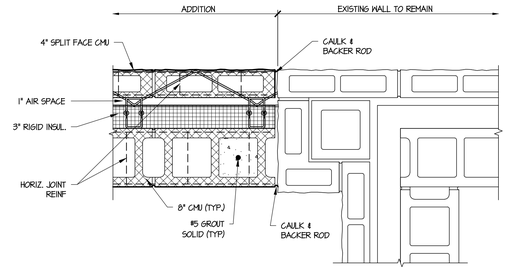

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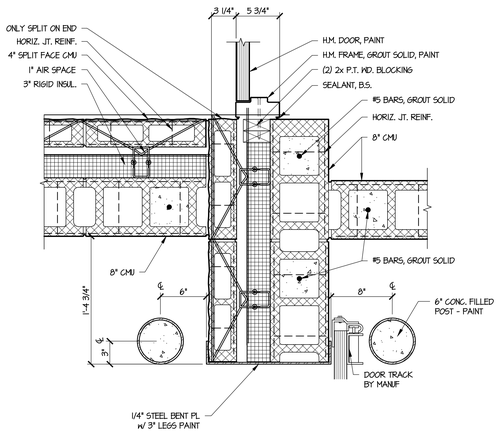

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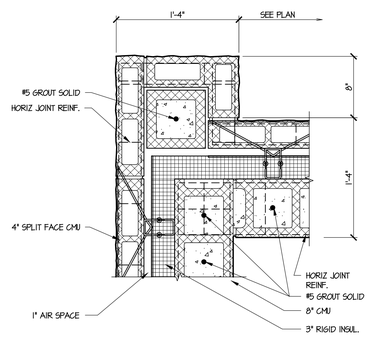

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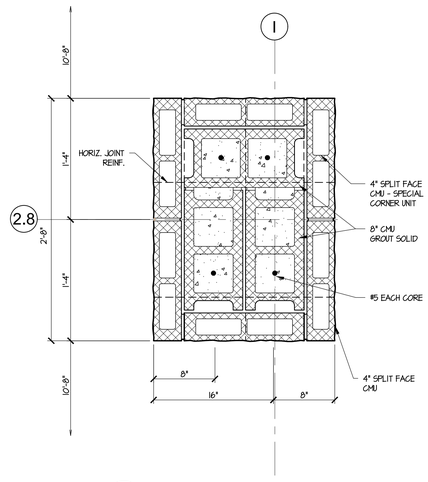
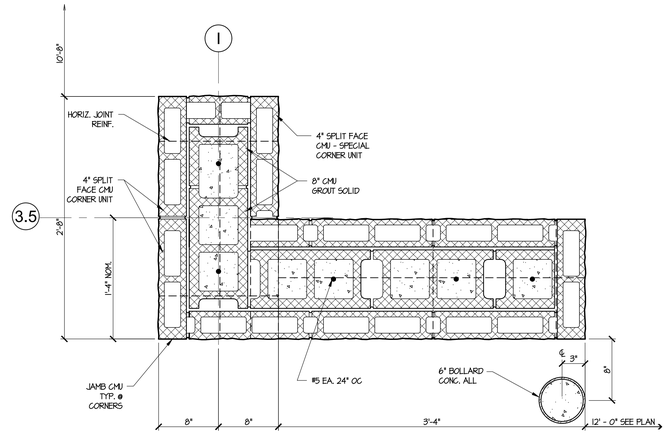


8 A2.1 CANOPY PIER DETAIL
SCALE: 1 1/2" = 1'-0"



9 A2.1 CANOPY PIER DETAIL
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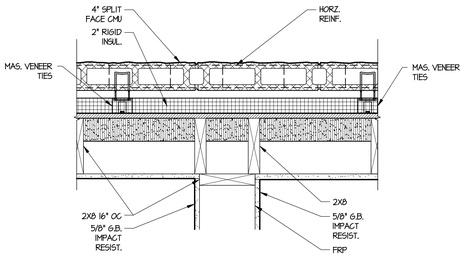

10 A2.1 PLAN DETAIL
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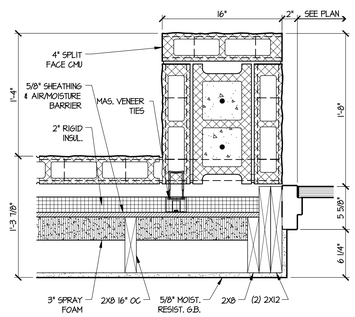

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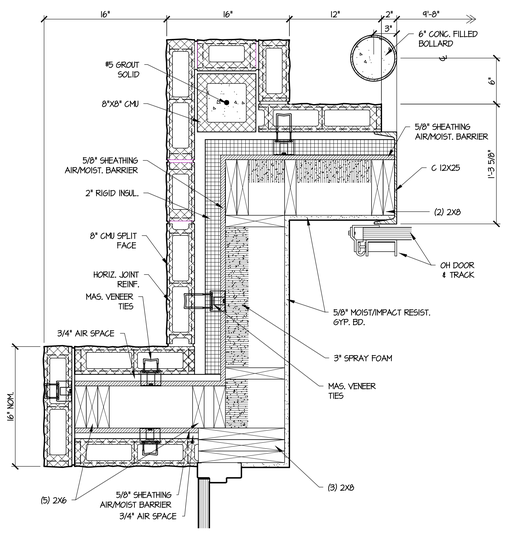

12 A2.1 PLAN DETAIL
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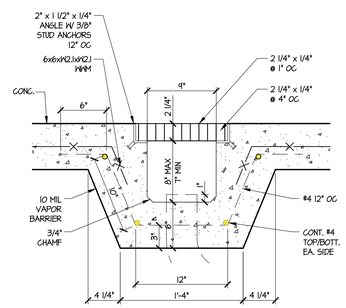

13 A2.1 DRAIN DETAIL
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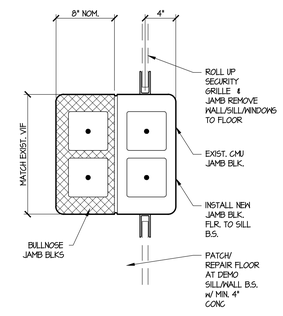
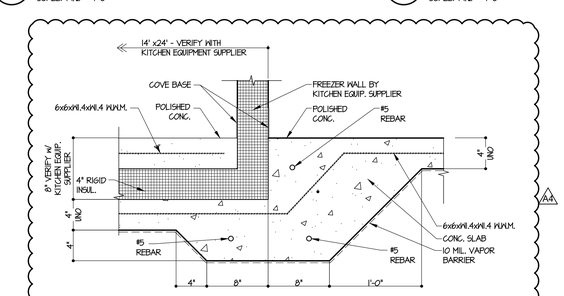


14 A2.1 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



15 A2.1 DEPRESSED SLAB DETAIL
SCALE: 1 1/2" = 1'-0"

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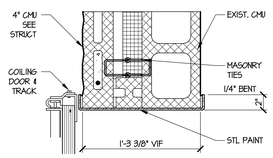
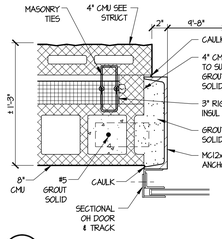


1 A3.0 JAMB DETAIL
SCALE: 1-1/2"= 1'-0"



2 A3.0 JAMB DETAIL
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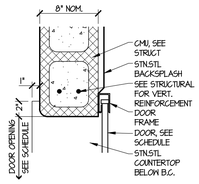

3 A3.0 JAMB DETAIL
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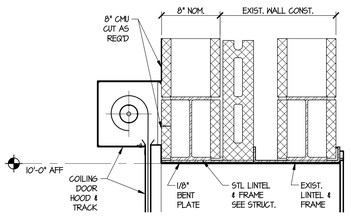
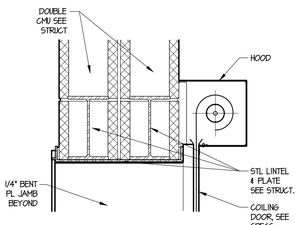
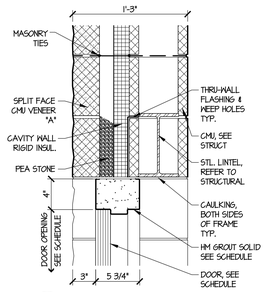


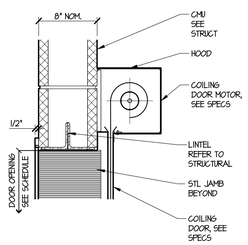
4 A3.0 HEAD DETAIL
SCALE: 1-1/2"= 1'-0"



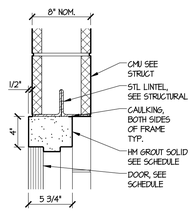
5 A3.0 HEAD DETAIL
SCALE: 1-1/2"= 1'-0"



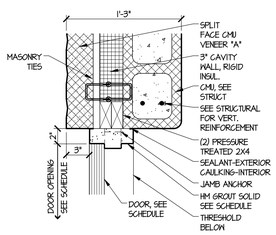
6 A3.0 HEAD DETAIL
SCALE: 1-1/2"= 1'-0"



7 A3.0 HEAD DETAIL
SCALE: 1-1/2"= 1'-0"



8 A3.0 HEAD DETAIL
SCALE: 1-1/2"= 1'-0"



9 A3.0 JAMB DETAIL
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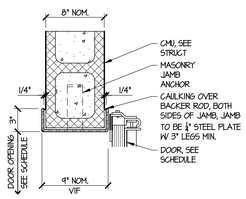

10 A3.0 JAMB DETAIL
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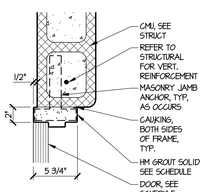

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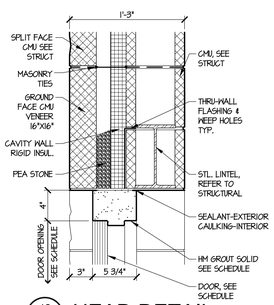

12 A3.0 HEAD DETAIL
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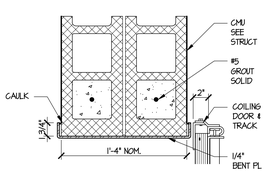

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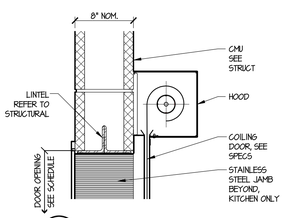
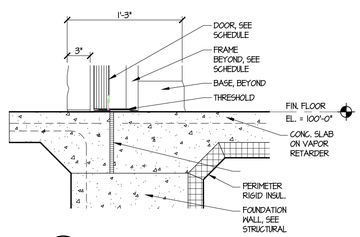


14 A3.0 HEAD DETAIL
SCALE: 1-1/2"= 1'-0"



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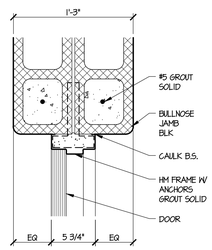

16 A3.0 JAMB DETAIL
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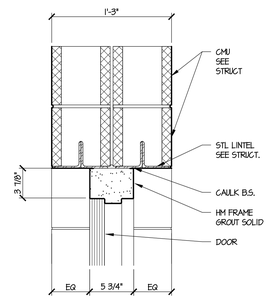
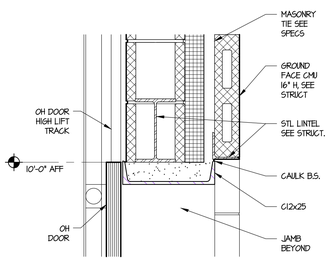


17 A3.0 HEAD DETAIL
SCALE: 1-1/2"= 1'-0"



18 A3.0 HEAD DETAIL
SCALE: 1-1/2"= 1'-0"

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOORS MATERIAL	FLOORS FINISH	BASE	WALLS NORTH MAT.	WALLS NORTH FIN.	WALLS EAST MAT.	WALLS EAST FIN.	WALLS SOUTH MAT.	WALLS SOUTH FIN.	WALLS WEST MAT.	WALLS WEST FIN.	CEILING TYPE	CEILING HEIGHT	REMARKS
100	EXISTING DINING	EXIST.	SEALED	V	GYP	PT-1	GYP	PT-1	GYP	PT-1	GYP	PT-1	EXP	VARIES	1
101	DISHWASHING	CONC.	POLISHED	V	CMU	PT-1	CMU	PT-1	CMU	PT-1	CMU	PT-1	ACT-1	9'-4"	1
102	SERVING	CONC.	POLISHED	V	CMU	PT-1	CMU	PT-1	CMU	PT-1	CMU	PT-1	ACT-1	9'-4"	1
103	JANITOR CLOSET	CONC.	POLISHED	V	CMU	PT-1	CMU	PT-1	CMU	PT-1	EX/CMU	PT-1	ACT-1	9'-4"	
104	KITCHEN	CONC.	POLISHED	V	CMU	PT-1	CMU	PT-1	CMU	PT-1	EX/CMU	PT-1	ACT-1	9'-4"	
105	STORAGE	EXIST.	-	-	-	-	-	-	-	-	-	-	-	-	
106	EXISTING STORAGE	EXIST.	-	-	-	-	-	-	-	-	-	-	-	-	
107	EXISTING FREEZER	EXIST.	-	-	-	-	-	-	-	-	-	-	-	-	
108	FREEZER	CONC.	POLISHED	-	-	-	-	-	-	-	-	-	-	-	
109	COOLER	CONC.	POLISHED	-	-	-	-	-	-	-	-	-	-	-	
110	COOLER	CONC.	POLISHED	-	-	-	-	-	-	-	-	-	-	-	
111	STORAGE	CONC.	POLISHED	-	CMU	PT-1	CMU	PT-1	CMU	PT-1	CMU	PT-1	ACT-1	9'-4"	
112	RECEIVING	CONC.	POLISHED	-	CMU	PT-1	CMU	PT-1	CMU	PT-1	CMU	PT-1	GYP.	16'-1"	3
113	PASSAGE	CONC.	POLISHED	-	CMU	PT-1	CMU	PT-1	CMU	PT-1	CMU	PT-1	GYP.	16'-1"	3
114	EXISTING STORAGE	EXIST.	-	-	-	-	-	-	-	-	-	-	-	-	1
115	EXISTING STORAGE	EXIST.	-	-	EX CMU	PT-1	EX CMU	PT-1	EX CMU	PT-1	EX CMU	PT-1	EX. GYP.	-	1 2 3
116	FREEZER	CONC.	POLISHED	-	-	-	-	-	-	-	-	-	-	-	
117	COOLER	CONC.	POLISHED	-	-	-	-	-	-	-	-	-	-	-	
118	PALLET STORAGE	CONC.	POLISHED	-	CMU	PT-1	CMU	PT-1	CMU	PT-1	CMU	PT-1	GYP.	22'-1"	3
119	VEHICLE STORAGE	CONC.	SEALED	-	GB	PT-1	GB	PT-1	GB	PT-1	GB	PT-1	GYP.	22'-1"	3
120	WASH BAY	CONC.	SEALED	-	GB	FRP	GB	FRP	GB	FRP	GB	FRP	GYP.	22'-1"	3
121	RISER ROOM	CONC.	SEALED	-	GB	FRP	GB	FRP	GB	FRP	GB	FRP	GYP.	22'-1"	3
122	OUTDOOR STORAGE	CONC.	SEALED	-	GB	FRP	GB	FRP	GB	FRP	GB	FRP	GYP.	22'-1"	3

FINISHES KEY:

ACT - ACOUSTICAL CEILING TILE
BOS - BOTTOM OF STRUCTURE
CT - CERAMIC/PORCELAIN TILE
CPT - CARPET
GYP - GYPSUM BOARD
SEALED - SEALED CONC.
PT - PAINT
V - RESILIENT WALL BASE
VWC - WALL COVERING/ GRAPHIC
EXP - EXPOSED STRUCTURE
FRP - FIBERGLASS REINFORCED PANEL
SS - STAINLESS STEEL

FINISH NOTES

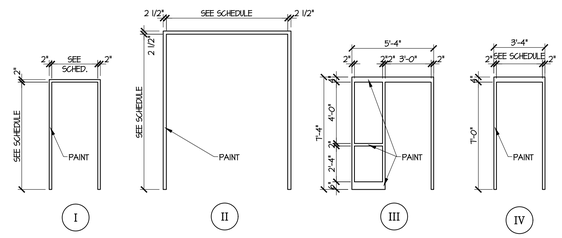
1. PATCH/ REPAIR AND TOOTH IN NEW MASONRY RETURNS AT NEW OPENING
2. INFILL OPENINGS WITH CMU, PAINT
3. PAINT GYP. BD. CEILING

DOOR SCHEDULE

DOOR NO.	TYPE	MAT.	SIZE WIDTH	SIZE HT.	SIZE THICK	FRAME TYPE	FRAME MAT.	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	CLASS RATING	HDW. GROUP	REMARKS
100	A	HM	3'-0"	7'-0"	1 3/4"	IV	HM	6/A3.0	4/A3.0	T. HOLD	-	-	- 1 2
101	A	HM	3'-0"	7'-0"	1 3/4"	IV	HM	-	11/A3.0	-	90 MIN	-	- 1
101A	D	SS	3'-4"	4'-0"	-	–	SS	-	-	-	-	-	- 3
102A	B	HM	3'-0"	7'-0"	1 3/4"	IV	HM	-	11/A3.0				
102B	A	SGW	3'-0"	7'-0"	1 3/4"	IV	HM	-	11/A3.0	-	90 MIN	-	- 1
103	A	HM	3'-0"	7'-0"	1 3/4"	IV	HM	-	11/A3.0	-	45 MIN	-	-
104A	G	AL	6'-0"	7'-0"	1 3/4"	–	AL	-	1/A2.0	T. HOLD	-	-	- 4
104B	B	-	3'-0"	7'-0"	1 3/4"	IV	HM	6/A3.0	4/A3.0	T. HOLD	-	-	- 4
104C	A	HM	3'-0"	7'-0"	1 3/4"	IV	HM	6/A3.0	4/A3.0	T. HOLD	90 MIN	-	-
104D	A	HM	3'-0"	7'-0"	1 3/4"	IV	HM	6/A3.0	4/A3.0	T. HOLD	90 MIN	-	-
104E	D	SS	3'-4"	4'-0"	-	–	SS	14/A3.0	3/A3.0	-	90 MIN	-	- 3
111A	A	HM	3'-0"	7'-0"	1 3/4"	IV	HM	6/A3.0	4/A3.0	T. HOLD	-	-	- 2
111B	G	STL	10'-0"	10'-0"	1 3/4"	II	STL	7/A3.0	10/A3.0	-	90 MIN	-	-
111C	G	STL	8'-0"	10'-0"	1 3/4"	II	STL	7/A3.0	10/A3.0 SIM.	-	90 MIN	-	-
112A	A	HM	3'-0"	7'-0"	1 3/4"	I	HM	6/A3.0	4/A3.0	T. HOLD	-	-	- 2
112B	E	STL	4'-8"	10'-0"	1 3/4"	II	STL	2/A7.0	2/A3.0	-	-	-	-
112C	E	STL	4'-8"	10'-0"	1 3/4"	II	STL	2/A7.0	2/A3.0	-	-	-	-
112D	A	HM	3'-0"	7'-0"	1 3/4"	I	HM	6/A3.0	4/A3.0	-	90 MIN	-	- 2
112E	G	STL	10'-0"	10'-0"	1 3/4"	II	STL	4/A3.0	10/A3.0 SIM.	-	-	-	-
112F A4	G	STL	10'-0"	10'-0"	1 3/4"	II	STL	7/A3.0	10/A3.0	-	-	-	-
113	G	SS	10'-0"	10'-0"	1 3/4"	II	STL	5/A3.0	13/A3.0	-	-	-	- 5
113A	B	HM	3'-0"	7'-0"	1 3/4"	IV	HM	17/A3.0	1 SIM.	-	-	-	-
113B	G	STL	10'-0"	10'-0"	1 3/4"	II	STL	4/A3.0	16/A3.0	-	-	-	-
118A	E	STL	4'-8"	10'-0"	1 3/4"	II	STL	18/A3.0	2/A2.1	- A4			
118B	G	SS	10'-0"	10'-0"	-	II	STL	5/A3.0	13/A3.0	-	90 MIN	-	- 5
118C	B	HM	3'-0"	7'-0"	1 3/4"	I	HM	6/A3.0	4/A3.0	T. HOLD	90 MIN	-	-
119A	F	STL	4'-8"	14'-0"	1 3/4"	II	STL	2/A7.2	1/A2.1	-	-	-	-
119B	F	STL	4'-8"	14'-0"	1 3/4"	II	STL	2/A7.2	1/A2.1	-	-	-	-
119C	F	STL	4'-8"	14'-0"	1 3/4"	II	STL	2/A7.2	1/A2.1	-	-	-	-
119D	F	STL	4'-8"	14'-0"	1 3/4"	II	STL	2/A7.2	1/A2.1	-	-	-	-
119E	F	STL	4'-8"	14'-0"	1 3/4"	II	STL	2/A7.2	1/A2.1	-	-	-	-
119F	F	STL	4'-8"	14'-0"	1 3/4"	II	STL	2/A7.2	1/A2.1	-	-	-	-
119G	F	STL	4'-8"	14'-0"	1 3/4"	II	STL	2/A7.2	1/A2.1	-	90 MIN	-	-
119H	A	HM	3'-0"	7'-0"	1 3/4"	IV	HM	17/A3.0	16/A3.0	-	-	-	-
120A	F	STL	4'-8"	14'-0"	1 3/4"	II	STL	2/A7.2	1/A2.1	-	-	-	-
120B	A	HM	3'-0"	7'-0"	1 3/4"	III	HM	6/A3.0	4/A3.0	-	-	-	-
121	A	HM	3'-0"	7'-0"	1 3/4"	I	HM	-	-	-	45 MIN	-	-
122	A	HM	3'-0"	7'-0"	1 3/4"	I	HM	6/A3.0	4/A3.0	-	-	-	- 1 2

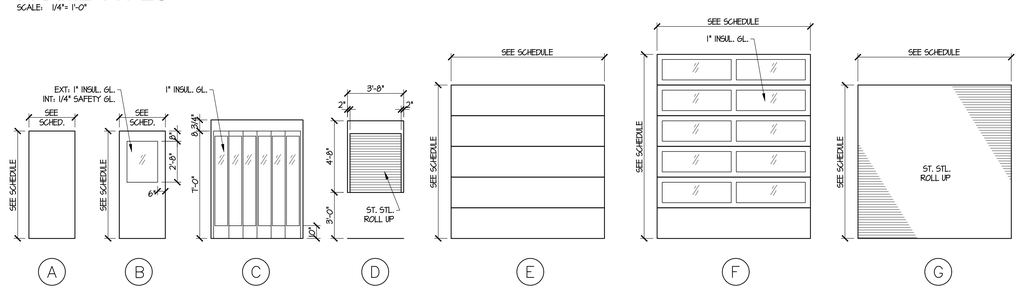
DOOR SCHEDULE NOTES

1. PAIR OF DOORS
2. GALVANIZED, INSULATED
3. FRAME BY ROLL-UP DOOR SUPPLIER
4. FRAME BY AUTO SLIDER DOOR SUPPLIER
5. COILING DOOR



FRAME TYPES

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



DOOR TYPES

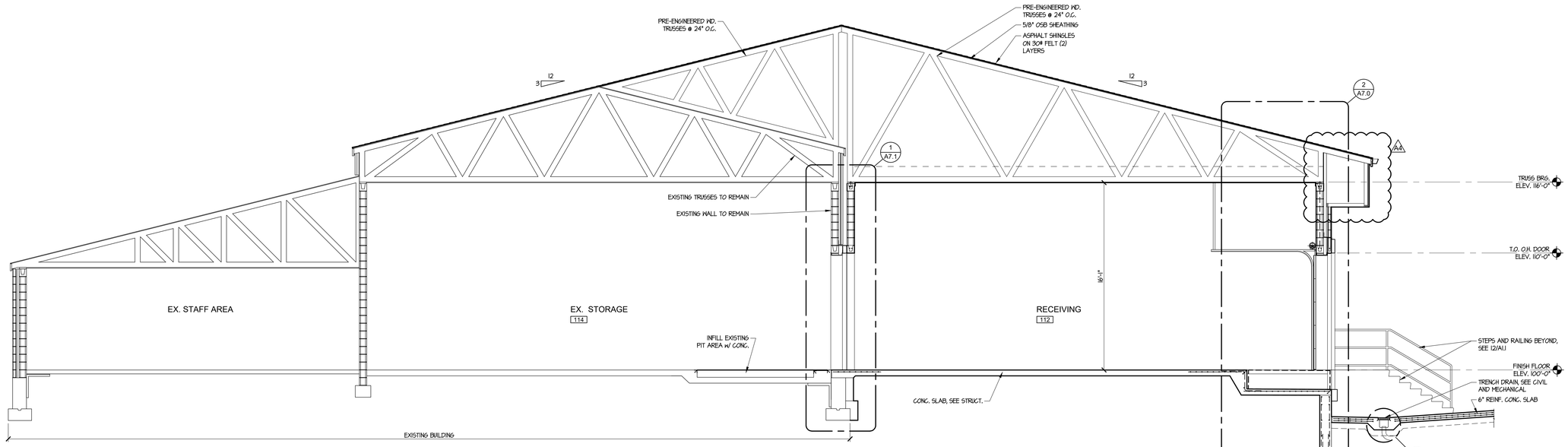
SCALE: 1/4"= 1'-0"

TSSF ARCHITECTS, INC.
ARCHITECTS INTERIORS PLANNERS
122 N. WASHINGTON AVENUE SAGINAW, MICHIGAN

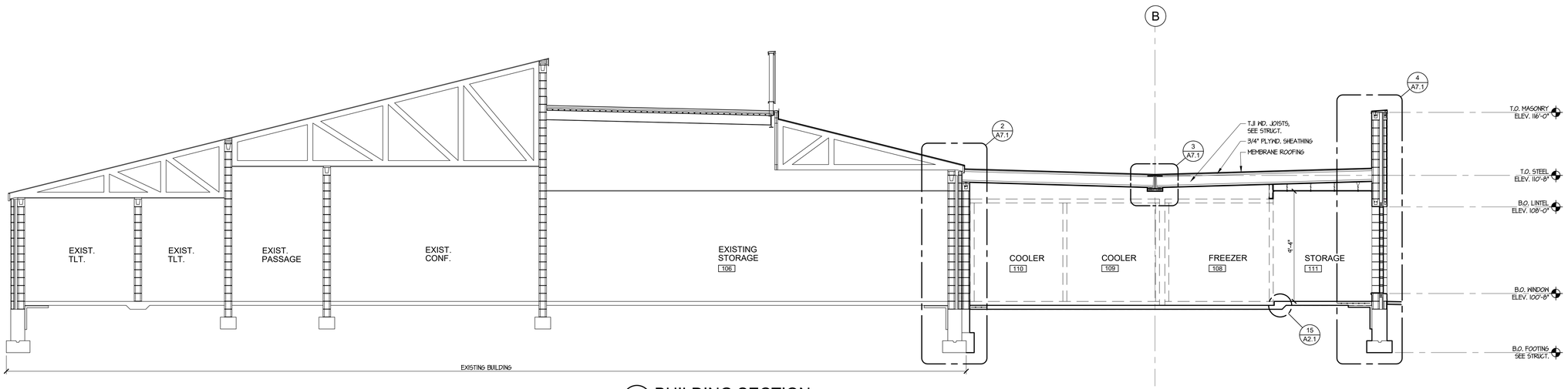
ADDITIONS AND RENOVATIONS TO:
HUNGER SOLUTION CENTER
SAGINAW, MICHIGAN

NO.	DATE
4 ADDENDUM #4	08/19/25

DRAWN BY C.M.B.
DATE 07/03/25
APPROVED
SHEET NO. A3.0
PROJECT NO. 2154



1 A6.0 BUILDING SECTION
SCALE: 1/4"= 1'-0"



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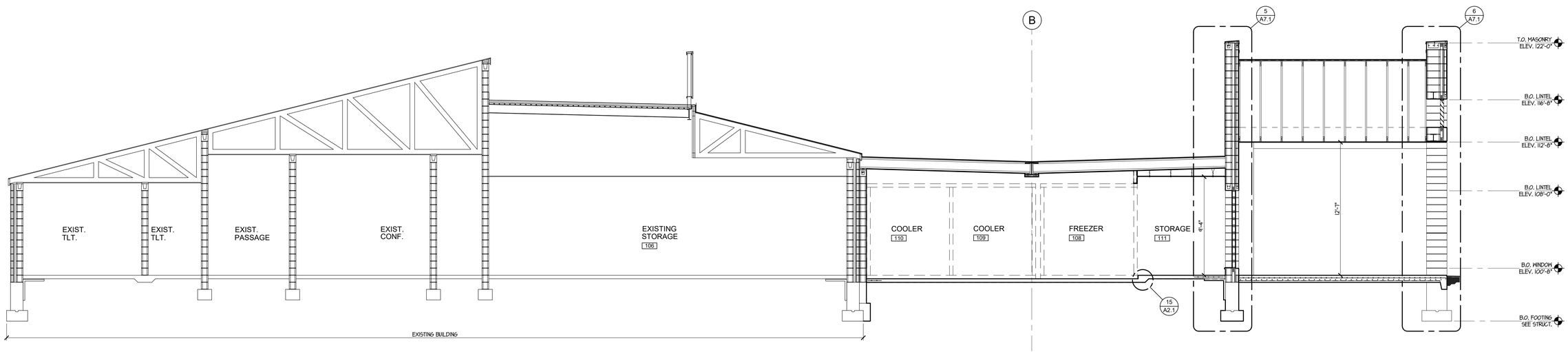

3 A6.0 BUILDING SECTION
SCALE: 1/4"= 1'-0"

TSSF ARCHITECTS, INC.
ARCHITECTS INTERIORS PLANNERS
122 N. WASHINGTON AVENUE SAGINAW, MICHIGAN

ADDITIONS AND RENOVATIONS TO:
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SAGINAW, MICHIGAN

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APPROVED

SHEET NO.
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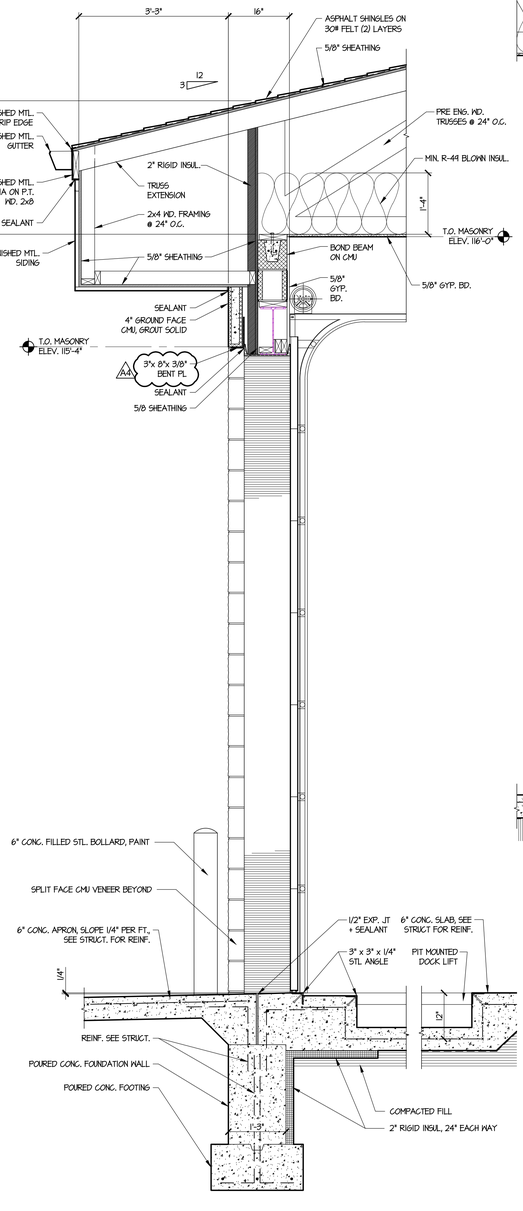
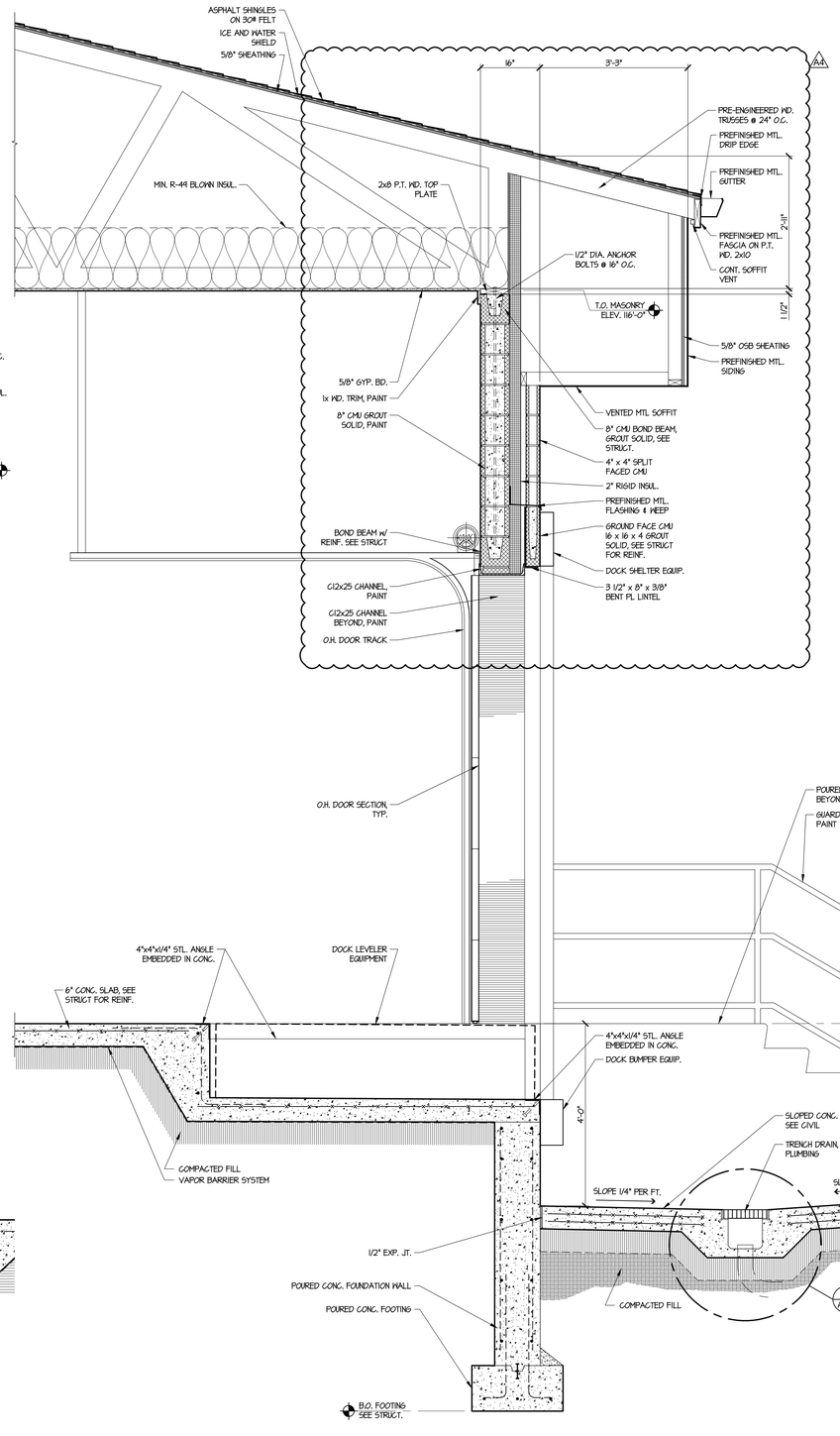
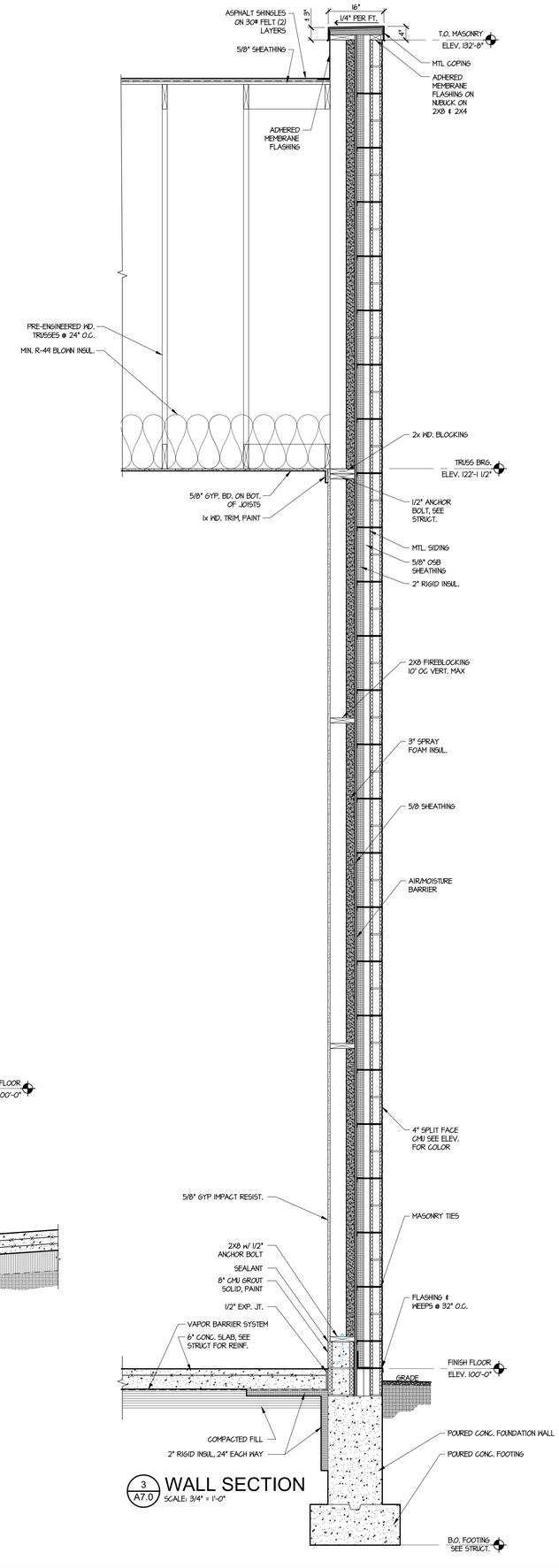
PROJECT NO.
2154



1 A7.0 WALL SECTION
SCALE: 3/4" = 1'-0"



2 A7.0 WALL SECTION
SCALE: 3/4" = 1'-0"



3 A7.0 WALL SECTION
SCALE: 3/4" = 1'-0"

TSSF ARCHITECTS, INC.
ARCHITECTS INTERIORS PLANNERS
122 N. WASHINGTON AVENUE SAGINAW, MICHIGAN

ADDITIONS AND RENOVATIONS TO:
HUNGER SOLUTION CENTER
SAGINAW, MICHIGAN

NO.	DATE	
4	08/20/25	ADDENDUM #4

DRAWN BY C.M.B.
DATE 07/03/25
APPROVED

SHEET NO.
A7.0

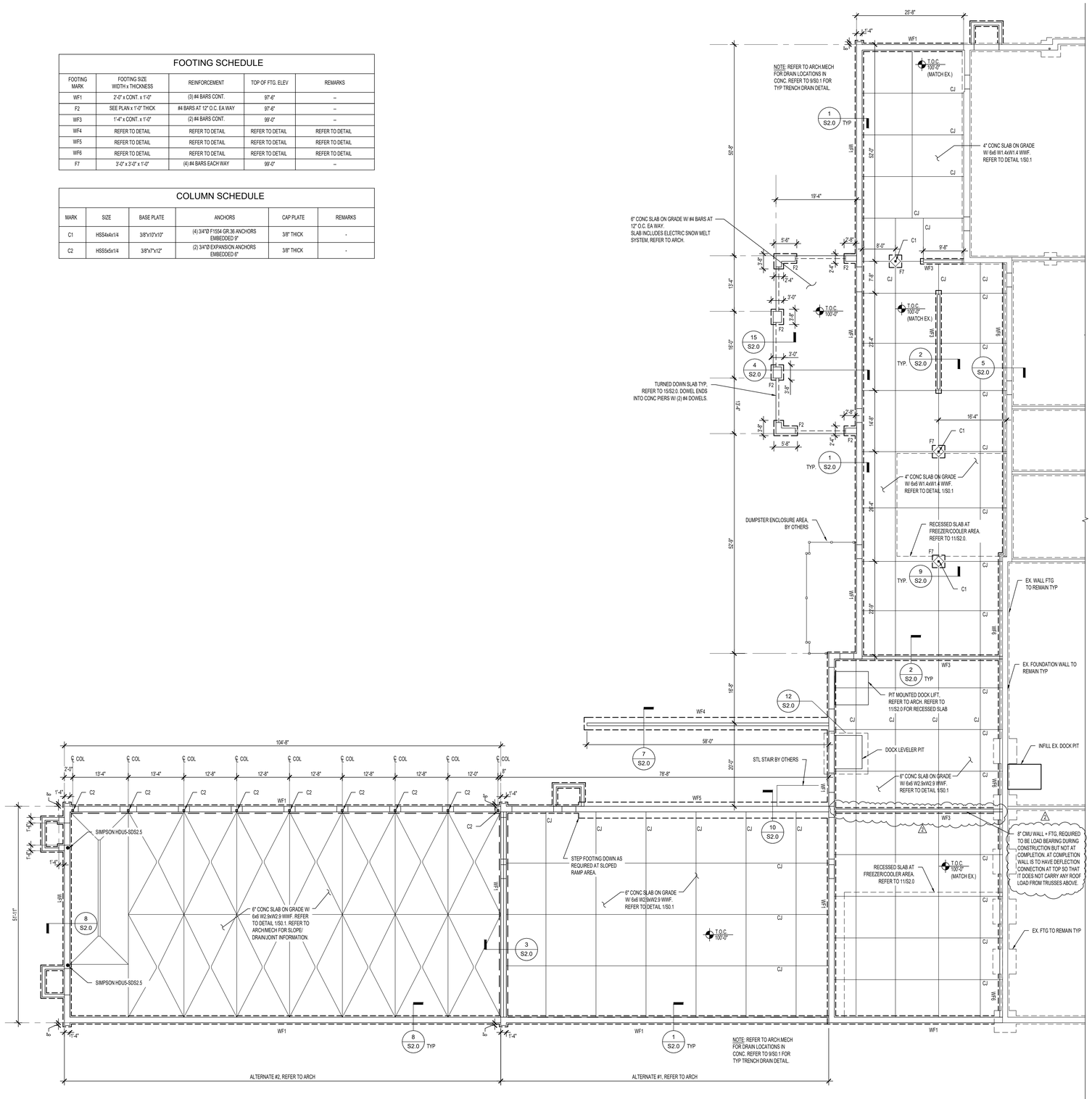
PROJECT NO.
2154

FOOTING SCHEDULE

FOOTING MARK	FOOTING SIZE WIDTH x THICKNESS	REINFORCEMENT	TOP OF FTG. ELEV	REMARKS
WF1	2'-0" x CONT. x 1'-0"	(3) #4 BARS CONT.	97'-6"	--
F2	SEE PLAN x 1'-0" THICK	#4 BARS AT 12" O.C. EA WAY	97'-6"	--
WF3	1'-4" x CONT. x 1'-0"	(2) #4 BARS CONT.	99'-0"	--
WF4	REFER TO DETAIL	REFER TO DETAIL	REFER TO DETAIL	REFER TO DETAIL
WF5	REFER TO DETAIL	REFER TO DETAIL	REFER TO DETAIL	REFER TO DETAIL
WF6	REFER TO DETAIL	REFER TO DETAIL	REFER TO DETAIL	REFER TO DETAIL
F7	3'-0" x 3'-0" x 1'-0"	(4) #4 BARS EACH WAY	99'-0"	--

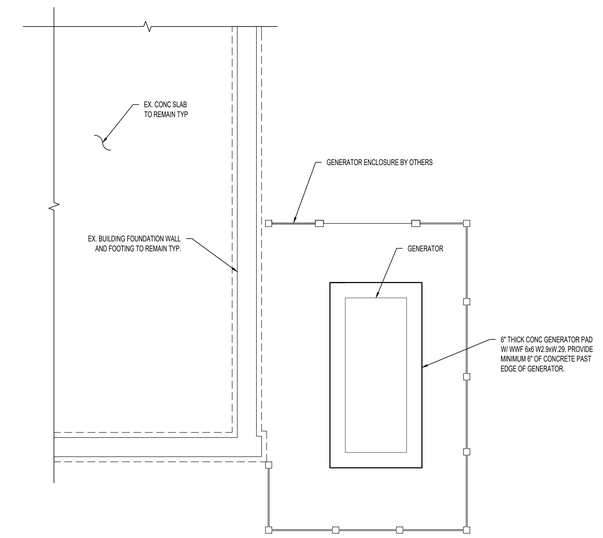
COLUMN SCHEDULE

MARK	SIZE	BASE PLATE	ANCHORS	CAP PLATE	REMARKS
C1	HSS4x4x1/4	3/8"x10"x10"	(4) 3/4"Ø F1554 GR.36 ANCHORS EMBEDDED 9"	3/8" THICK	-
C2	HSS5x5x1/4	3/8"x7"x12"	(2) 3/4"Ø EXPANSION ANCHORS EMBEDDED 6"	3/8" THICK	-



FOUNDATION PLAN

SCALE 3/32" = 1'-0"



GENERATOR PAD PLAN

SCALE 1/4" = 1'-0"

TSSF ARCHITECTS, INC.
ARCHITECTS PLANNERS
122 N. WASHINGTON AVENUE SAGINAW, MICHIGAN

ADDITION AND RENOVATION TO:
HUNGER SOLUTION CENTER
SAGINAW, MICHIGAN

NO.	DATE
ADDNDUM #2 BID SET	08/11/25 07/03/25

DRAWN BY MEW
DATE 7-3-25
APPROVED

SHEET NO.
S1.0

PROJECT NO.
2154

FOODSERVICE ELECTRICAL REQUIREMENTS

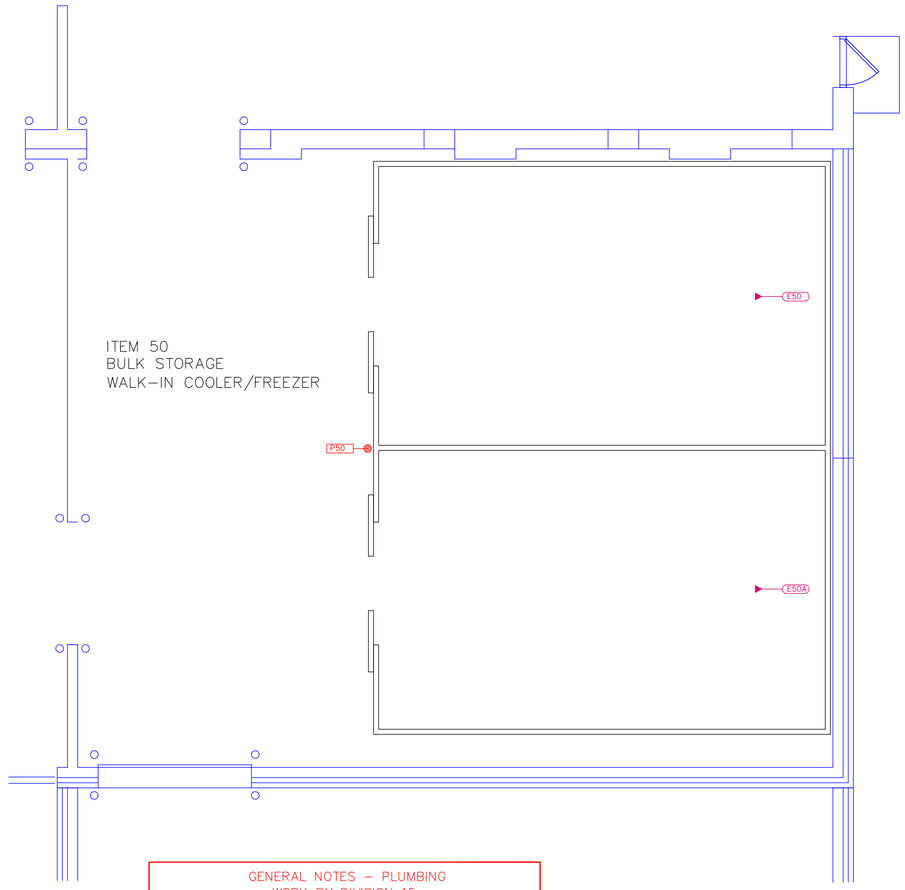
E50	ECC @ DFA – FOR ITEM 50 – WALK-IN COOLER BULK FOOD – 115/60/1 15 FLA FOR LIGHTS AND DOOR HEATER – HEATER, ONE LIGHT AND SWITCH FACTORY PRE-WIRED EC TO MOUNT AND WIRE 8(EACH) ADDITIONAL 48" LED LIGHT FIXTURES – 120/60/1 .5 FLA(EACH) FIXTURES PROVIDED BY FSEC ALL CONDUIT TO BE THE EXTERIOR OF WALK-IN WITH ALL WIRES SEALED ECC(2 REQUIRED) @ COIL – FOR ITEM 50 – WALK-IN COOLER EVAPORATOR COILS – 208-230/60/1 3.0 FLA ECC @ ON ROOF – FOR ITEM 50 – WALK-IN COOLER CONDENSING UNIT – 208-230/60/3 30 FLA
E50A	ECC @ DFA – BTC – FOR ITEM 50 – WALK-IN FREEZER BULK FOOD – 115/60/1 15 FLA FOR LIGHTS AND DOOR HEATER – HEATER, ONE LIGHT AND SWITCH FACTORY PRE-WIRED EC TO MOUNT AND WIRE 8(EACH) ADDITIONAL 48" LED LIGHT FIXTURES – 120/60/1 .5 FLA(EACH) FIXTURES PROVIDED BY FSEC ALL CONDUIT TO BE THE EXTERIOR OF WALK-IN WITH ALL WIRES SEALED ECC(2 REQUIRED) @ COIL – FOR ITEM 50 – WALK-IN FREEZER EVAPORATOR COILS – 208-230/60/1 3.2 FLA EC TO RUN (6) #12 CONDUCTORS FROM COIL TO CONDENSER LOCATION ECC @ ON ROOF – FOR ITEM 50 – WALK-IN FREEZER CONDENSING UNIT – 208-230/60/3 29.7 FLA EC TO INTERWIRE (6) #12 CONDUCTORS TO TIME CLOCK AND EVAP. COIL DR @ VERIFY – ITEM 50 – WALK-IN FREEZER – 120/60/1 – 4.0 FLA – EC TO SURFACE MOUNT AN ALL WEATHER RECEPTACLE FOR THE DRAIN LINE HEAT TAPE

FOODSERVICE PLUMBING REQUIREMENTS

P50	FD – PC TO RUN INDIRECT WASTE FROM ITEM 50 – WALK-IN COOLER/FREEZER COILS TO THIS FLOOR DRAIN LOCATION

GENERAL NOTES – ELECTRICAL WORK BY DIVISION 15

1. ROUGH-IN ALL ELECTRICAL SERVICE THROUGH WALLS, FLOORS AND CEILINGS: RUN CONDUIT AND CONDUCTORS FROM THE ROUGH-IN. MAKE ALL FINAL CONNECTIONS TO A TERMINAL BLOCK, TERMINAL PANEL, OR A JUNCTION BOX ON THE EQUIPMENT.
2. FURNISH ALL ELECTRICAL OUTLETS IN WALLS, FLOORS AND CEILINGS
3. FURNISH AND INSTALL DISCONNECT SWITCHES AS REQUIRED FOR THE EQUIPMENT IN ACCORDANCE WITH THE ELECTRICAL CODES.
4. FURNISH AND INSTALL ALL CONDUIT AND WIRING BETWEEN REMOTE CONTROL PANELS AND EQUIPMENT.
5. EC TO VERIFY CONVENIENCE OUTLET REQUIREMENTS WITH OWNER



GENERAL NOTES – PLUMBING WORK BY DIVISION 15

1. ROUGH-IN ALL UTILITY LINES THROUGH WALLS, FLOORS AND CEILINGS AS SHOWN ON THE DRAWINGS. RUN WASTE LINES FROM THE ROUGH-IN AND MAKE THE CONNECTIONS ON THE EQUIPMENT. PROVIDE ALL TRAPS AND MANIFOLDS AND INTERCONNECT SINK DRAINS WHERE SHOWN. RUN SUPPLY LINES FRON THE ROUGH-IN, PROVIDE STOPS, AND MAKE FINAL CONNECTIONS TO THE EQUIPMENT. PROVIDE ALL TRAPS, VALVES AND VENTS REQUIRED FOR THE INSTALLATION.
2. PROVIDE ALL EXPOSED PIPING (ABOVE COUNTER TOP HEIGHT OR IN DIRECT LINE OF SIGHT) WITH CHROME PLATED FINISH.
3. INSTALL STAINLESS STEEL OR CHROME PLATED BRASS FLANGES OR ESCUTCHEONS FOR UTILITY LINES WHICH EXTEND THROUGH BUILDING WALLS AND EQUIPMENT.
4. INSTALL FAUCETS, PRE-RINSE ASSEMBLIES, POT FILLERS, HOSE STATIONS, VACUUM BREAKERS, CHECK VALVES, FLOW CONTROL VALVES, PRESSURE REDUCING VALVES, WATER STRAINERS, WATER FILTERS, ETC., ALL AS FURNISHED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR. PROVIDE WATER REDUCING VALVES AND GAUGES FOR READING SET WATER PRESSURE WHERE REQUIRED.
5. PROVIDE ALL INDIRECT WASTE AND CONDENSATE LINES FROM EQUIPMENT TO FLOOR DRAINS.
6. ALL DIMENSIONS SHOWN ARE TO CENTER LINES
7. INSTALL GAS SHUT OFF VALVE UP-STREAM OF ANY COOKING EQUIPMENT AS REQUIRED FOR FIRE SUPPRESSION SYSTEM

SYMBOLS AND ABBREVIATIONS

	FOODSERVICE ITEM NUMBER		HW	HOT WATER		ECC	ELECTRICAL CONNECTION
FSC	FOODSERVICE CONTRACTOR		CW	COLD WATER		DS	DISCONNECT SWITCH
GC	GENERAL CONTRACTOR		W	WASTE		DR	DUPLEX RECEPTACLE
	PLUMBING REQUIREMENT		IW	INDIRECT WASTE		SR	SINGLE RECEPTACLE
PC	PLUMBING CONTRACTOR		FD	FLOOR DRAIN		JB	JUNCTION BOX
EC	ELECTRICAL CONTRACTOR		FTFD	FUNNEL TYPE FLOOR DRAIN		SW	SWITCH
	ELECTRICAL REQUIREMENT		SWS	SAFE WASTE SINK		PEP	PREWIRED ELECTRICAL PANEL
MC	MECHANICAL CONTRACTOR		FS	FLOOR SINK		CP	CONTROL PANEL
			SS	STEAM SUPPLY		FSS	FIRE SUPPRESSION SYSTEM
AFF	ABOVE FINISHED FLOOR		SR	STEAM RETURN		HP	HORSEPOWER
BTC	BRANCH TO CONNECTION		G	GAS		A	AMPHERE
POC	POINT OF CONNECTION		PVC	POLYVINYL CHLORIDE		KW	KILOWATT
DFA	DROP FROM ABOVE		GT	GREASE TRAP		W	WATT
			OW	OPEN WASTE	Ø		PHASE
SP	STATIC PRESSURE						LIGHT FIXTURE
	DUCT CONNECTION						
FPM	FEET PER MINUTE						
WC	WATER COLUMN						

FOOD SERVICE EQUIPMENT PLUMBING/ELECTRICAL REQUIREMENTS

SCALE 1/4" = 1'-0"

SHEET NUMBER FS2PE

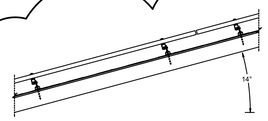
PROJECT 23-620

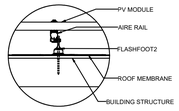
DATE 10-09-24

PROJECT TITLE HUNGER SOLUTION CENTER SAGINAW – MICHIGAN

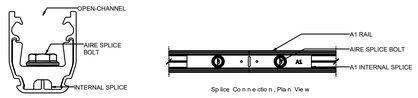
SHEET TITLE FOOD EQUIPMENT PLUMBING-ELECTRICAL REQUIREMENTS

CPI
Culinary Products, Inc.
160 East Morley Drive
Saginaw, Michigan 48601
989-754-2457
989-754-5640 Fax

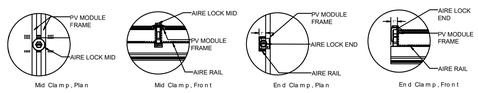




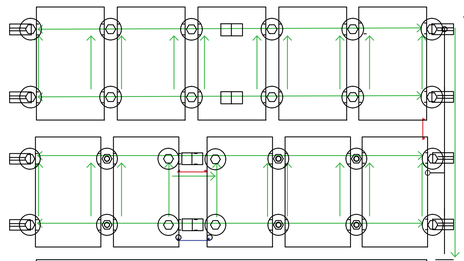
PV ARRAY ROOF MOUNTING - SIDE VIEW



PV CLAMP DETAILS



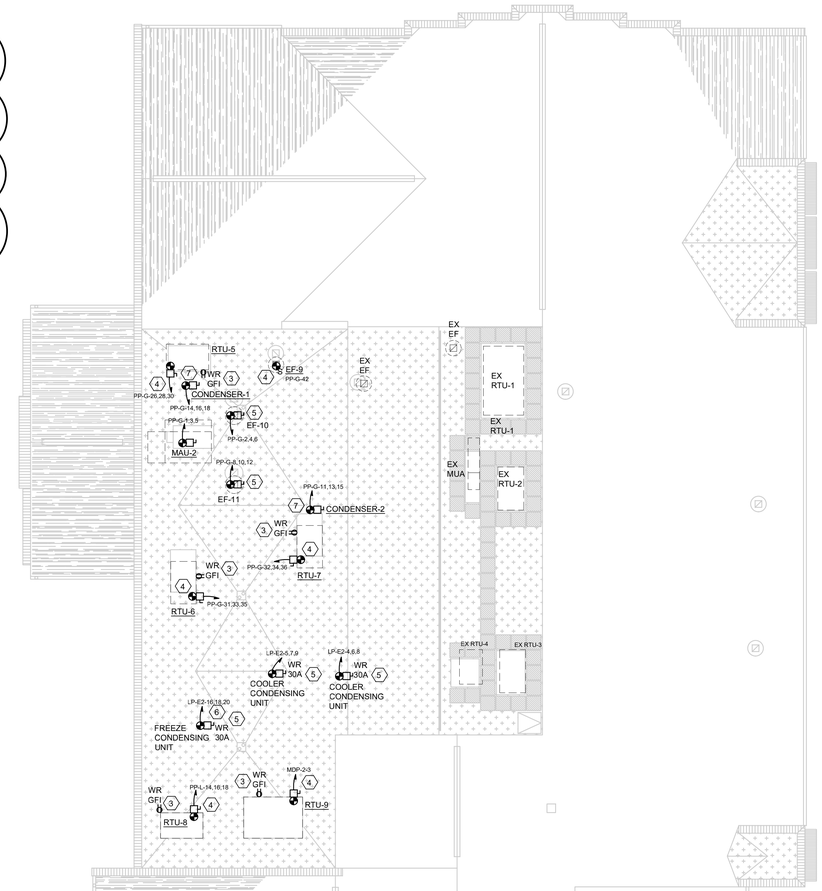
PV RAIL SPLICE DETAILS

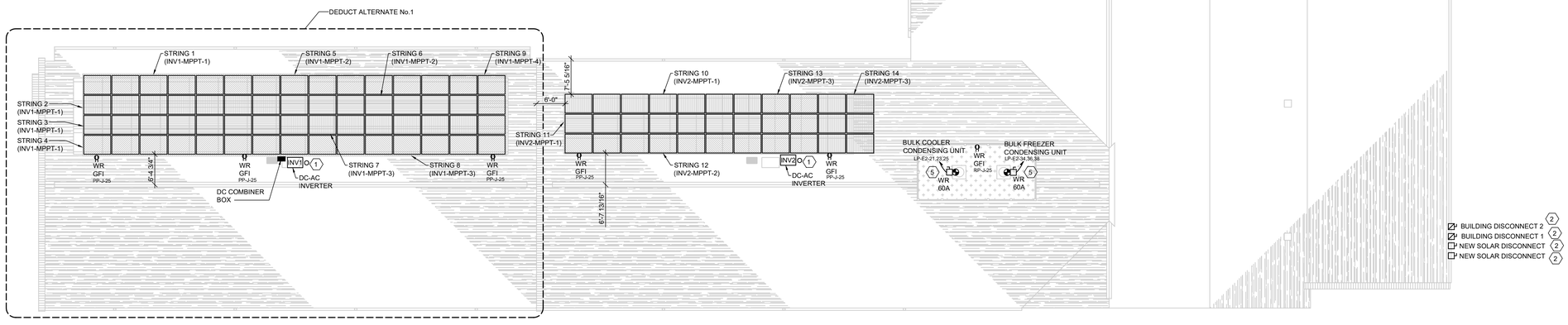


Aire Lock Mid
Aire Lock End
Aire Lock Sleath
Grounding Lug
Module Grounding Lug
Fault Current Ground Path
Minimum 10 AWG Copper Wire
Aire Tie (Rail Connection)
Aire Tie Expansion Joint (Rail Connection)
8" Bonding Jumper **
Ground Lug with copper wire**

*One Module Grounding Lug or Rail Grounding lug is required per row of a system.
Expansion joint bonding options:
(1) 8" bonding jumper attached to module frames.
(2) PV grounding lugs attached to module frames with 10 AWG or larger ground wire.
(3) Two grounding lugs installed to one row of rails with 10AWG or larger copper wire.

PV GROUNDING & BONDING DIAGRAM





ROOF PLAN - POWER
3/32"=1'-0"

SOLAR GENERAL NOTES

1. PV CABLES BETWEEN SOLAR PANELS ARE PERMITTED TO BE INSTALLED IN FREE AIR. THE FINAL RUN TO BOTH THE DC COMBINER BOX AND INVERTER SHALL BE INSTALLED IN RIGID GALVANIZED STEEL.
2. ELECTRICAL CONTRACTOR SHALL BOND EACH PV MODULE. SEE 2023 NEC SECTION 690 FOR ALL REQUIREMENTS.
3. ELECTRICAL CONTRACTOR SHALL INSTALL ELECTRICAL PANELS A MINIMUM DISTANCE OF 6' FROM ROOF EDGE.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE PV ROOF MOUNTING KIT. SEE ELECTRICAL MOUNTING DETAILS THIS SHEET.

KEYED NOTES

1. ELECTRICAL CONTRACTOR SHALL RUN CONDUIT THROUGH ATTIC SPACE TO ROOF BOOT FOR INVERTER CIRCUIT. ELECTRICAL CONTRACTOR SHALL SEAL ROOF PENETRATION.
2. SOLAR DISCONNECTS SHALL BE WALL MOUNTED NEAR EXISTING ELECTRICAL METER TO ALLOW FOR DISCONNECT BY FIRE DEPARTMENT.
3. WEATHER RESISTANT GFI RECEPTACLE SHALL COME FACTORY FURNISHED AND WIRED WITH MECHANICAL EQUIPMENT.
4. NON-FUSED DISCONNECT SWITCH SHALL COME FACTORY FURNISHED WITH MECHANICAL EQUIPMENT. ELECTRICAL CONTRACTOR SHALL PROVIDE SINGLE POINT POWER CONNECTION.
5. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL NON-FUSED DISCONNECT FOR MECHANICAL EQUIPMENT. COORDINATE EQUIPMENT LOCATION WITH MECHANICAL DRAWINGS PRIOR TO INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL RUN (6) #12 CONDUCTORS TO TIME CLOCK AND EVAPORATOR COIL.
7. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY LOCATION OF MECHANICAL EQUIPMENT PRIOR TO INSTALLATION. ELECTRICAL CONTRACTOR SHALL PROVIDE NEMA 3R DISCONNECT SWITCH.

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TSSF ARCHITECTS, INC.
ARCHITECTS PLANNERS
122 N. WASHINGTON AVENUE SAGINAW, MICHIGAN

ADDITION AND RENOVATION TO:
HUNGER SOLUTION CENTER
SAGINAW, MICHIGAN

NO.	REVISION	DATE
	ADDENDUM #4	8/19/25
	ISSUED FOR CONSTRUCTION	7/3/25

DRAWN BY RLM
DATE 7/03/25
APPROVED JWF
SHEET NO. E2.2
PROJECT NO. 2154

F:\27-TSSF\2024-2701-HUNGER SOLUTIONS CENTER\2024-2701-E-E2.2-SOLAR PLAN
CHRISTIAN.DAY.LICDAY@MACMILLANASSOCIATES.COM
8/19/2025 9:36 AM

ELECTRICAL SOLAR EQUIPMENT SCHEDULES

- **SOLAR PANEL SCHEDULE**
REC ALPHA PURE-RX SERIES SOLAR PANEL, 88 HALF-CUT BIFACIAL REC HETEROJUNCTION CELLS, 3.2 MM SOLAR GLASS, HIGHLY RESISTANT BLACK POLYMER BACKSHEET, ANODIZED ALUMINUM BLACK FRAME, 1728MM X 1205MM X 300MM (MEASUREMENTS IN MILLIMETERS), 470W POWER OUTPUT, 55.4 NOMINAL VOLTAGE, 8.49 NOMINAL CURRENT, 22.6 PANEL EFFICIENCY, SYSTEM VOLTAGE OF 1000V
REC # REC470AA PURE-RX OR EQUAL
- **SOLAR INVERTER SCHEDULE**
SOL-ARK 30000W MAXIMUM PV ARRAY POWER, 500V MAX INPUT VOLTAGE, 36A DC CURRENT PER MPPT, NEMA 3R, WALL MOUNTED, 120/208 3 PH, 96.5% EFFICIENCY, LOCKABLE ENCLOSURE, RAPID SHUTDOWN, EQUIPPED WITH ARC FAULT CIRCUIT PROTECTION, EQUIPPED WITH GFI, PV DC DISCONNECT SWITCH
SOL-ARK # 30K-3P-208V-N OR EQUAL
- **DC COMBINER BOX**
PV COMBINER BOX, 6 CIRCUIT, 600VDC FUSE HOLDERS, NEMA 3R ENCLOSURE, LOCKABLE ENCLOSURE, #14-2/0 OUTPUT TERMINALS, VERTICAL WALL MOUNT, PROVIDE (6) 20A 600VDC FUSES
OUTBACK POWER SYSTEMS # FWPV6-FH600 OR EQUAL
- **PV CABLES**
CU 600V XLPE INSULATION. RHH/RHW-2 PV, SINGLE CONDUCTOR PHOTOVOLTAIC POWER CABLE, 600V COPPER, XLPE INSULATION, 10AWG, HEAT RESISTANT, MOISTURE RESISTANT, SUNLIGHT RESISTANT, 90°C
SOUTHWIRE # 567949 OR EQUAL

PV RACKING SYSTEM

ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE PV RAIL RACKING SYSTEM FOR PV MOUNTING. INCLUDE RAILING, SPLICES, CLAMPS, GROUNDING, FOOTINGS, CONDUIT MOUNTS, ETC.

AIRE RACKING SYSTEM, AIRE RAIL A1, BLACK FINISH, 170" RAIL
IRONRIDGE #AE-A1-170B OR EQUAL

AIRE RACKING SYSTEM, AIRE TIE A1, BONDED SPLICE
IRONRIDGE #AE-A1TIE-01-M1 OR EQUAL

AIRE RACKING SYSTEM, AIRE LOCK MID CLAMP, 30MM-40MM, BLACK FINISH
IRONRIDGE #AE-MID-01-B1 OR EQUAL

AIRE RACKING SYSTEM, AIRE LOCK END CLAMP, 30MM-40MM, BLACK FINISH
IRONRIDGE #AE-END-01-B1 OR EQUAL

AIRE RACKING SYSTEM. AIRE LUG FOR GROUNDING
IRONRIDGE #AE-LUG-01-M1 OR EQUAL

IRONRIDGE FLASHFOOT2, FLASHING WITH ELEVATED AND FULLY ENCAPSULATED SEAL PROTECTING AGAINST WATER, INCLUDE FLASHING, LAG BOLT, AND CAP, BLACK FINISH
IRONRIDGE #FF2-02-B2 OR EQUAL

AIRE RACKING SYSTEM, AIRE DOCK, BLACK FINISH, ATTACHMENT HARDWARE
IRONRIDGE #AE-DOCK-02-B1 OR EQUAL

AIRE RACKING SYSTEM, AIRE CLIP
IRONRIDGE #AE-CLIP-01-B1 OR EQUAL

QUICK MOUNT BUG CONDUIT MOUNTS
IRONRIDGE #QM-BUG-01-M1 OR EQUAL

4

GENERATOR SCHEDULE

KW(KVA) RATING 75 (88) STANDBY
NATURAL GAS SOUND ATTENUATED LEVEL 1 ENCLOSURE
120/208V 3 PHASE, 1000W, BLOCK HEATER, BATTERY CHARGER, REMOTE SHUTOFF
CUMMINS #C75N6

ATS SCHEDULE

CUMMINS POWERCOMMAND GTEC AUTOMATIC TRANSFER SWITCH, 200A
CIRCUIT BREAKER PROTECTION, C FRAME, IP32
CUMMINS #GT3 0200 U N 7 2 OR EQUAL

ENERGY METER

HDPM6000 MULTIPLE MODULE UNITS WITH ENCLOSURE, SEPARATE 120VAC CONTROL POWER, HEAD UNIT WITH 24 CT POINTS, WITHOUT WAVEFORM CAPTURE, NO DISPLAY, NO ANTENNA, 8 PORT SWITCH, NO GATEWAY
SQ D #FAEHD6CB042R4USN OR EQUAL

TENANT MONITORING SOFTWARE

GENERATE TENANT BILLS FOR USER DEFINED CIRCUITS, PROVIDE MONTHLY KWH, CLOUD-HOSTED SOFTWARE, COMMUNICATES WITH HDPM6000 METER AND USER IT RACK
SQ D ENERGY HUB (EEH) OR EQUAL

ELECTRICAL SYMBOLS

LIGHTING

HALF SHADED FIXTURES ARE EMERGENCY FIXTURES
A 2'X2' LIGHT FIXTURE, TYPE INDICATED
4' LED VAPOR TIGHT, TYPE INDICATED
A 4' LED STRIP LIGHT, TYPE INDICATED
DOWNLIGHT OR SURFACE LIGHT FIXTURE
WALL MOUNTED LIGHT FIXTURE, TYPE INDICATED
E EXIT LIGHT
E MOUNTED EXIT LIGHT
POLE MOUNTED LIGHT FIXTURE, TYPE INDICATED
TWIN REMOTE HEAD EMERGENCY LIGHT FIXTURE

LIGHTING CONTROLS

S SINGLE POLE SWITCH
S LOW VOLTAGE ON/OFF BUTTON SWITCH
ACUITY #NPODMA SERIES OR EQUAL
S_X WIRELESS SWITCH, LINE VOLTAGE POWERED
ACUITY #RPODLA SERIES OR EQUAL
PP POWER RELAY PACK
ACUITY #NPP16 D SERIES OR EQUAL
I10 PASSIVE INFRARED, CEILING MOUNTED, LARGE-MOTION DETECTION, HIGH MOUNT, 1000 SQFT RADIAL COVERAGE SENSOR
ACUITY #NCM 6 SERIES OR EQUAL
D20 DUAL TECH, CEILING MOUNTED, LARGE-MOTION DETECTION, 2000 SQFT RADIAL COVERAGE SENSOR
ACUITY #NCM PDT 10 SERIES OR EQUAL
D20 WALL MOUNTED OCCUPANCY SENSOR
TC 120V TIMECLOCK
TC2 208V 2 POLE TIMECLOCK, 24 HOUR, INDOOR METAL ENCLOSURE, 1HOUR INTERVAL
INTERMATIC #T104 OR EQUAL

POWER

DUPLEX RECEPTACLE
QUADPLEX RECEPTACLE
SPECIAL RECEPTACLE
GFI GFCI RECEPTACLE
GFI FEED THROUGH GFCI DEVICE
CIRCUIT BREAKER DISCONNECT
DEVICE CONNECTION
NON-FUSED DISCONNECT SWITCH
FUSED DISCONNECT
FLUSH MOUNTED PANEL
PANELBOARD
SWITCHBOARD
T TRANSFORMER
INV DC-AC INVERTER
SINGLE PHASE MOTOR
THREE PHASE MOTOR
PUSH BUTTON STATION
GROUND ROD WITH EXOTHERMIC CONNECTION
GROUND
EXOTHERMIC GROUND CONNECTION
MECHANICAL GROUND CONNECTION
S_2 2 POLE TOGGLE SWITCH
DB DOORBELL KIT, 10VA TRANSFORMER, CHIMEKIT, WHITE PUSH-BUTTON, 2-NOTE TONE (DOOR/OVERHEAD DOOR)
TAMLITE LIGHTING #DB3-2WH OR EQUAL
SOLAR PANEL
M METER
CP EXISTING OVERHEAD DOOR CONTROL PANEL
GROUND ROD
JB JUNCTION BOX
DC COMBINER BOX

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
AC	ABOVE COUNTER
EC	ELECTRICAL CONTRACTOR
EX	EXISTING
GFI	GROUND FAULT CIRCUIT INTERRUPTER
WR	WEATHER RESISTANT
MDP	MAIN DISTRIBUTION PANEL
PP	POWER PANEL
LP	LIGHTING PANEL
RP	RECEPTACLE PANEL
GND	GROUND
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
ATS	AUTOMATIC TRANSFER SWITCH
RAP	REMOTE ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
KWH/DAY	KILO WATT HOURS PER DAY
KWH/YEAR	KILO WATT HOURS PER YEAR
UGE	UNDERGROUND ELECTRICAL

FIRE ALARM

FACP FIRE ALARM/SECURITY CONTROL PANEL
HONEYWELL #VISTA128FBPT OR EQUAL
S SMOKE DETECTOR CEILING MOUNTED
H HEAT DETECTOR
F WALL MOUNTED FIRE ALARM STROBE ONLY
F WALL MOUNTED FIRE ALARM AUDIO/STROBE COMBO
REMOTE ANNUNCIATOR PANEL/KEYPAD FOR FIRE ALARM AND SECURITY
DSD DUCT SMOKE DETECTOR
DH ELECTRIC DOOR HOLDER
FS FIRE ALARM FLOW SWITCH
TS FIRE ALARM TAMPER SWITCH
F FIRE ALARM PULL STATION

COMMUNICATIONS

DATA OUTLET ROUGH-IN, (2 CAT6), 1" CONDUIT ROUTED TO ACCESSIBLE CEILING
PHONE OUTLET
CR CARD READER ROUGH-IN
CAM SECURITY CAMERA ROUGH-IN, 1" CONDUIT ROUTED TO ACCESSIBLE CEILING

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION
A	4' LED STRIP LIGHT, 80CRI, SURFACE MOUNTED, 4000K, 5800 LUMENS, 120-277V, FLAT FROSTED ACRYLIC LENS, WIDE DISTRIBUTION, 0-10V DIMMING, INTEGRATED HIGH BAY SENSOR, WIRELESS LIGHTING CONTROLS, WHITE FINISH, 37.6 WATTS COLUMBIA #MPS 4 40 HL F W ED U NXCS OR EQUAL
AE	SAME AS A EXCEPT WITH 10W EMERGENCY BACKUP BATTERY COLUMBIA #MPS 4 40 HL F W ED U ELL14 NXCS OR EQUAL
B	4' LED STRIP LIGHT, 80CRI, SURFACE MOUNTED, 4000K, 5800 LUMENS, 120-277V, FLAT FROSTED LENS, WIDE DISTRIBUTION, 0-10V DIMMING, WHITE FINISH, 37.6 WATTS COLUMBIA #MPS 4 40 HL F W ED U OR EQUAL
BE	SAME AS B EXCEPT WITH 10W EMERGENCY BACKUP BATTERY COLUMBIA #MPS 4 40 HL F W ED U ELL14 OR EQUAL
C	2'X2' LED FLAT PANEL, 3600 LUMEN (SELECTABLE), 80CRI, 4000K (SELECTABLE), DIFFUSED LENS, 120-277V, 0-10V DIMMING, DEEP SURFACE MOUNT KIT, SELECTABLE DRIVER SWITCH COVER, 27 WATTS COLUMBIA #CBT 22 A LSCS EDD, DSMK22, OR EQUAL
CE	SAME AS FIXTURE C EXCEPT WITH 10W EMERGENCY BATTERY PACK COLUMBIA #CBT 22 A LSCS EDD ELL14, DSMK22, OR EQUAL
D	4' LED STRIP LIGHT, 80CRI, CHAIN HANG, 4000K, 4000 LUMENS, 120-277V, FLAT FROSTED LENS, WIDE DISTRIBUTION, 0-10V DIMMING, WHITE FINISH, 26.9 WATTS COLUMBIA #MPS 4 40 LW F W ED U, CSHC OR EQUAL
DE	SAME AS FIXTURE D EXCEPT WITH 10W EMERGENCY BATTERY PACK COLUMBIA #MPS 4 40 LW F W ED U ELL14, CSHC OR EQUAL
E	EMERGENCY THERMOPLASTIC EXIT SIGN, 120/277V, RED LETTER COLOR, WALL MOUNTED, NIMH BATTERY, WHITE HOUSING, 12 WATT REMOTE CAPACITY. NO LAMP HEADS. DUAL LITE #EVCHL U R W 12 0 OR EQUAL
F	LED ENCLOSED AND GASKETED, 4' STRIP LIGHT, 4000K, 6200 LUMENS, RIBBED FROSTED ACRYLIC LENS, 0-10V DIMMING, 120-277V, IP66 RATED, 47.4 WATTS COLUMBIA #LXEM 4 40 HL RFA ED U OR EQUAL
F2	LED ENCLOSED AND GASKETED, 4' STRIP LIGHT, 4000K, 7764 LUMENS, RIBBED FROSTED ACRYLIC LENS, 0-10V DIMMING, 120-277V, IP66 RATED, 61.6 WATTS COLUMBIA #LXEM 4 40 VL RFA ED U OR EQUAL
RH	EXTERIOR LED REMOTE HEAD, POWERED FROM INTERIOR BATTERY POWERED EXIT SIGN, ROUND TWIN HEAD, BLACK HOUSING DUAL LITE #EVO D B OR EQUAL
AA	LED WALLPACK WITH LOW GLARE LENS, DIE-CAST ALUMINUM HOUSING, TRAPEZOID FAMILY, 20WATT, 4000K, 70CRI, FORWARD THROW DIFFUSED DISTRIBUTION, 120-277V, DARK BRONZE MATTE TEXTURED FINISH BEACON # TRP2 D-20 4K7 FT UNV DBT OR EQUAL
BBF	LED WALLPACK WITH LOW GLARE LENS, DIE-CAST ALUMINUM HOUSING, TRAPEZOID FAMILY, 50WATT, 4000K, 70CRI, FORWARD THROW DIFFUSED DISTRIBUTION, 120-277V, DARK BRONZE MATTE TEXTURED FINISH BEACON # TRP2 D-50 4K7 FT UNV DBT OR EQUAL
BBW	LED WALLPACK WITH LOW GLARE LENS, DIE-CAST ALUMINUM HOUSING, TRAPEZOID FAMILY, 50WATT, 4000K, 70CRI, WIDE THROW DIFFUSED DISTRIBUTION, 120-277V, DARK BRONZE MATTE TEXTURED FINISH BEACON # TRP2 D-50 4K7 WT UNV OR EQUAL
CC3	ASL MICROSTRIKE SERIES, 9000 LUMENS, 4000K, 70CRI, TYPE 3 DISTRIBUTION, UNIVERSAL 120-277V, SQUARE POLE MOUNT, S2 DRILL PATTERN, PIR OCCUPANCY/DAYLIGHT SENSOR, DARK BRONZE MATTE TEXTURED, HOUSE SIDE SHIELD ON BACK, 68.4 WATTS EXO #ASL1 160L-70 4K7 3 UNV A BTS15F DBT, ASL1-HSS-90-B-DBT OR EQUAL SQUARE STRAIGHT STEEL POLE, 12' HEIGHT, 4" SHAFT, 0.125" WALL THICKNESS, SINGLE ARM MOUNT, DARK BRONZE MATTE TEXTURED, UL CERTIFIED CURRENT #SSSA 12 4 A 1 DBT UL
CCF	SAME AS FIXTURE CC3 EXCEPT WITH FORWARD THROW DISTRIBUTION, 68.4 WATTS EXO #ASL1 160L-70 4K7 4F UNV A BTS15F DBT, ASL1-HSS-90-B-DBT OR EQUAL
DDF	ASL MICROSTRIKE SERIES, 15000 LUMENS, 4000K, 70CRI, FORWARD THROW DISTRIBUTION, UNIVERSAL 120-277V, SQUARE POLE MOUNT RETROFIT, PIR OCCUPANCY/DAYLIGHT SENSOR, DARK BRONZE MATTE TEXTURED, HOUSE SIDE SHIELD ON BACK, 109.7 WATTS EXO #ASL1 160L-115 4K7 4F UNV A BTS22F DBT, ASL1-HSS-90-B-DBT OR EQUAL
DDW	SAME AS FIXTURE DDF EXCEPT WITH WIDE THROW DISTRIBUTION, 109.7 WATTS EXO #ASL1 160L-115 4W 4F UNV A BTS22F DBT, ASL1-HSS-90-B-DBT OR EQUAL
FFE	LED WALLPACK, DIE-CAST ALUMINUM HOUSING, TRAPEZOID FAMILY, 50 WATT, 4000K,70 CRI, FORWARD THROW, 120-277V, DARK BRONZE MATTE TEXTURED FINISH, BATTERY BACK WITH HEATER (-20°C) BEACON #TRP2 160L-50 4K7 4F UNV DBT EH OR EQUAL
GG	6" WET LOCATION LED DOWNLIGHT, 1900 LUMEN, 4000K, 120-277V, WIDE DISTRIBUTION, LITEBOX PRO TRIM, DIFFUSE CLEAR ANODIZED REFLECTOR, 23.5 WATTS PRESCOLITE #LBRP-M-LS ML 40K9 WD LBRP 6RD T D

LIGHTING CONTROL SUMMARY

EXTERIOR LIGHTING
SHALL BE CONTROLLED VIA TIMECLOCK SET TO MATCH EXISTING TIMECLOCK IN ELECTRICAL ROOM, SITE POLE LIGHTING SHALL DIM DOWN TO 50% VIA INTEGRATED MOTION SENSORS AFTER 15 MINUTES OF VACANCY

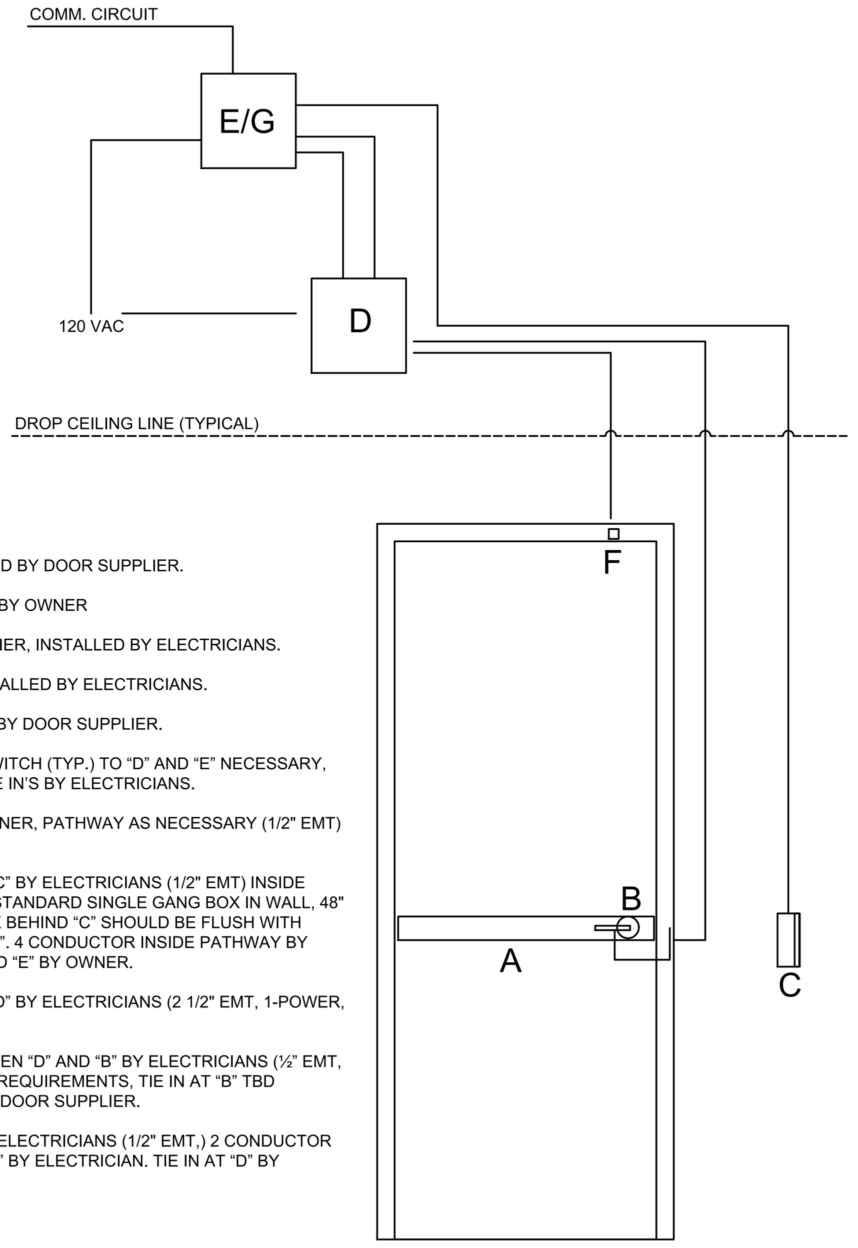
KITCHEN, SERVING, & DISH-WASHING AREA
PARTIAL AUTOMATIC ON TO 50% UPON MOTION DETECTED, 100% ON WITH MANUAL SWITCH, AUTOMATIC FULL OFF AFTER 20 MINUTES OF VACANCY

VEHICLE STORAGE AND PALLET STORAGE
LOCAL MANUAL OVERRIDE SWITCH, AUTOMATIC ON TO 100% UPON MOTION DETECTED VIA INTEGRATED WIRELESS OCCUPANCY SENSORS, AUTOMATIC FULL OFF AFTER 20 MINUTES OF VACANCY

STORAGE ROOMS, PASSAGE, AND RECEIVING
LOCAL MANUAL OVERRIDE SWITCH, AUTOMATIC ON TO 100% UPON MOTION DETECTED, AUTOMATIC FULL OFF AFTER 20 MINUTES OF VACANCY

RISER ROOM
MANUAL ON/OFF VIA LOCAL SWITCH

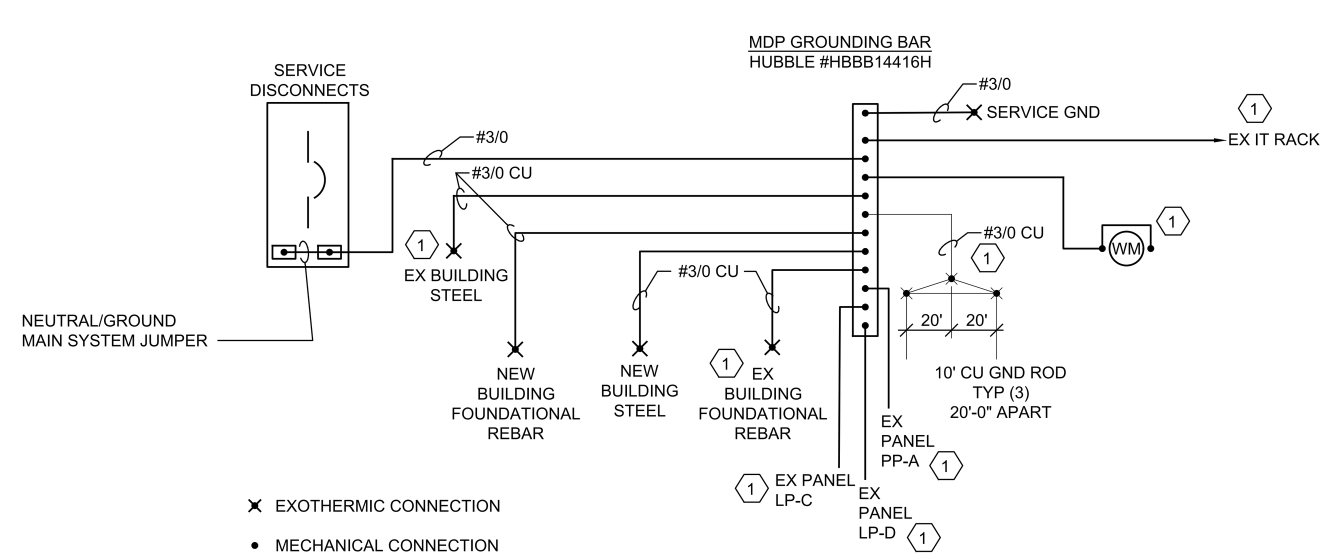
A EXIT DEVICE
B POWER TRANSFER (ELECTRIC CRASH BAR, STRIKE, OR LATCH)
C CARDSLOT/SHROUD/MOUNTING PLATE
D POWER SUPPLY
(ONLY NEEDED WITH CRASH BARS AND/OR DOORS WITH HANDICAP OPENERS)
E ENCLOSURE AND POWER SUPPLY
F DOOR POSITION SWITCH
G MASTER/DOOR CONTROLLER



- "A, B" SUPPLIED AND INSTALLED BY DOOR SUPPLIER.
- "C" SUPPLIED AND INSTALLED BY OWNER
- "D" SUPPLIED BY DOOR SUPPLIER, INSTALLED BY ELECTRICIANS.
- "E" SUPPLIED BY OWNER, INSTALLED BY ELECTRICIANS.
- "F" SUPPLIED AND INSTALLED BY DOOR SUPPLIER.
- 120 VAC SUPPLY THROUGH SWITCH (TYP.) TO "D" AND "E" NECESSARY, CAN BE SAME CIRCUIT. ALL TIE IN'S BY ELECTRICIANS.
- "COMM CIRCUIT" TO "E" BY OWNER, PATHWAY AS NECESSARY (1/2" EMT) BY ELECTRICIANS.
- PATHWAY BETWEEN "E" AND "C" BY ELECTRICIANS (1/2" EMT) INSIDE WALL (TYP.) TERMINATES TO STANDARD SINGLE GANG BOX IN WALL, 48" ON CENTER, "BEHIND" "C". BOX BEHIND "C" SHOULD BE FLUSH WITH EXTERIOR BUILDING SURFACE". 4 CONDUCTOR INSIDE PATHWAY BY ELECTRICIAN. TIE IN AT "C" AND "E" BY OWNER.
- PATHWAY BETWEEN "E" AND "D" BY ELECTRICIANS (2 1/2" EMT, 1-POWER, 1-COMM.)
- PATHWAY AND WIRING BETWEEN "D" AND "B" BY ELECTRICIANS (½" EMT, WIRE BASED ON DOOR SPEC. REQUIREMENTS, TIE IN AT "B" TBD BETWEEN ELECTRICIANS AND DOOR SUPPLIER.
- PATHWAY FROM "D" TO "F" BY ELECTRICIANS (1/2" EMT,) 2 CONDUCTOR WIRING FROM "E" TO "F" VIA "D" BY ELECTRICIAN. TIE IN AT "D" BY OWNER".

CARD READER SCHEMATIC

NO SCALE



GROUNDING DETAIL

NOTE: MOUNT GROUND BAR 8'-0" OFF OF FINISHED FLOOR.

KEYED NOTES

1. ELECTRICAL CONTRACTOR SHALL TIE EXISTING GROUND INTO NEW MDP GROUNDING BAR. REMOVE CONNECTION TO EXISTING GROUND BAR. SPLICE AND EXTEND TO NEW GROUND BAR.

0.0" 0.5" 1.0" 1.5" 2.0"

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714 EAST MIDLAND STREET • BAY CITY, MICHIGAN 48706
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8/18/2025 9:33 AM CHRISTIAN DAY (CDAY@MACMILLANASSOCIATES.COM) \\MAIBC19\DRAWINGS\27-TSSF\2024-2701 HUNGER SOLUTIONS CENTER\2024-2701-E-E3.3 ELECTRICAL INFORMATION