DOCUMENT 00 91 13

ADDENDA

ADDENDUM NUMBER 03

DATE: 08/29/2023

PROJECT: The Salvation Army - Niles

PROJECT NUMBER: 23-0578

OWNER: The Salvation Army

ARCHITECT: Abonmarche
315 W. Jefferson Blvd.
South Bend, IN 46601

TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated July 31, 2023, Addendum Number 1 issued August 21, 2023, and Addendum Number 2 issued August 28, 2023, with amendments and additions noted below.

Acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to do so may disqualify the Bidder.

This Addendum consists of 11 pages and the following Drawings:

No.	Drawing Title	Issue Date
S1.0	Foundation Plan	07-31-2023
S2.1	Foundation Details	07-31-2023
S2.2	Foundation Details	07-31-2023
S3.3	Structural Details	07-31-2023
S4.2	Structural Elevations	07-31-2023

CHANGES TO THE PROJECT MANUAL

DOCUMENT 054000 – Cold Formed Metal Framing

1. **ADD** Entire Section (Attached)

CHANGES TO THE DRAWINGS

DRAWING S1.0 – FOUNDATION PLAN (Re-Issued)

2. **REVISE** the pedestal schedule and removed pedestal marks from the plan.

DRAWING S2.1 – FOUNDATION DETAILS (Re-Issued)

3. **REVISE** Details 13, 14, 15, 16/S2.1 per revision comments

DRAWING S2.2 – FOUNDATION DETAILS (Re-Issued)

4. **DELETE** Details 3, 4, 5/S2.2

5. **REVISE** Detail 7/S2.2 per revision comments

DRAWING S3.3 – STRUCTURAL DETAILS (Re-Issued)

6. **ADD** Decking weld notes to details 4, 5/S3.3

DRAWING S4.2 – STRUCTURAL ELEVATIONS (Re-Issued)

7. **ADD** Details for the trash enclosure and the site monument sign

QUESTIONS

8. Please clarify light pole base requirements.

a. Refer to detail provided on Civil drawings.

i. Use Concrete Pier for 20’-1” – 25’-0”, 2’x6’ deep concrete base

9. Is there a specification for the patio brick pavers?

b. Provide the following:

i. Manufacture: Unilock

ii. Type: Hollandstone Paver

iii. Pattern: Herringbone body on 45 Degree

1. W/ Soldier Course perimeter and bands

iv. Color: Sierra for Body, and Perimeter and Bands to be Dark Charcoal.

c. Patio to be broken into thirds on the east west alignment with Soldier Course Banding and by half on the north south alignment with banding in the middle.

10. What material is required for the new 6” water line?

d. New 6” water line shall be ductile iron pipe.

11. On Plan Sheet C4.0, keynote #5 calls out a grease trap. Can we get clarification as to what size we're to figure and possibility a detail?

e. Refer to attached grease trap detail on page 11 of this addendum.

12. Are we to figure any of the storm structures with sumps? The detail sheet shows 2' sumps for catch basin. However, the plan calls out inlets and manholes only. Please clarify.

f. Structures 1, 2, 4, 5, and 6 are to be figured with 24” sumps.

13. Details for storm manholes show mortar joints and the detail associated with the catch basins show A-Lok, watertight joint. Please clarify which one we're to figure.

g. All storm Manholes and Inlets are to be mortar Joints.

14. What species is the exposed wood planking material?

h. Refer to Sheet S1.1 GENERAL NOTES #7

15. Please clarify masonry control joint locations.

i. Control joints shall be installed as specified.

j. North Façade – Provide (4) control joints at center gable wall brick veneer.
   i. (2) as shown on drawings
   ii. **ADD** (2) – one on each side of the cross window opening/steel frame
k. East Façade – Provide (6) control joints in CMU wall as shown on drawings.
   i. Locations may change
l. South Façade – Provide (2) control joints at CMU wall.
   i. (1) control joint shall be 10ft max from SE corner
   ii. (1) control joint shall be equally spaced between first control joint and west end of cmu wall.
m. South Façade – Provide (3) control joints in brick veneer.
   i. (2) control joints at door location as shown on drawings.
   ii. (1) control joint centered between door opening and SE corner.

16. Do canopies have metal deck? Can additional details be provided for the slotted holes?
n. The 3/8" steel roof deck plate covers the entire bottom of each canopy and serves as the roof deck. No other roof deck is to be provided. Weld 3/8" steel plate to all canopy members. Exact location of 1x6 holes can be confirmed during submittal review. Approximate location is shown correctly on plan view details.

17. Entry Tower Mesh Screen Details
o. Provide Stainless Steel perforated sheets, welded to 2x2x1/4 SS tube around the perimeter and horizontally across panels to align with angle framing at structure. Weld stainless steel nuts to inside of 2x2 tube to receive screw/bolts from connection to structure. Connect to structural angle framing (horizontal members) with 3/8" diameter SS bolts/screws at 18" o.c. along length of each horizontal angle and around perimeter of framing. Provide isolation sleeves and washers at each connector to protect structural steel frame from SS connectors and panels. Provide L4x4x3/8 clip angles at HSS members for connections of panels. Refer to drawings and specs for additional information.

18. Please provide IT specifications.
p. Data cabling is devices are by Owner.
q. G.C. shall provide junction boxes, conduit, stubs above ceiling, and pull strings.

19. Is there a roof membrane on top of the canopies?
r. No, refer to details on the drawings.

20. Is there a gutter system on the canopies?
s. Yes, gutters are integral to the perimeter framing and weep holes shall be provided as shown on the drawings.

21. Please clarify insulation adhesive.
t. Insulation adhesive shall be as required by manufacturer's written requirements.

22. Are shop fabricated edge metals for gutters, downspouts, etc… acceptable?
u. All edge metals shall meet specified requirements for dimensions, profile, gage, source, etc…and shall be field verified prior to fabrication.

23. Please **CLARIFY** the following regarding doors, frames, and glazing.
v. All exterior windows, doors, and frames (including interior vestibule doors and frames) shall be aluminum storefront.
   i. Exception #1: Exterior doors 125-A, 125-B, and 129-A shall be insulated galvanized hollow metal doors and frames.
   ii. Exception #2: Exterior Cross shaped window shall be curtainwall as specified.
w. All interior windows and door frames shall be hollow metal.
   i. Exception #1: Vestibule frames shall be Aluminum Storefront.

x. All interior doors shall be wood.
    i. Exception #1: Vestibule doors shall be Aluminum Storefront.
y. All exterior aluminum storefront doors shall be full glass doors (FG-1).
z. **CHANGE** Door 129-A shall be full glass (FG-1).
aa. All glazing in fire rated walls shall be Fire-Rated Glazing as specified in Section 088813.
bb. Door and Frame finish requirements shall be as follows.
    i. All aluminum storefront and curtainwall doors and frames shall be Dark Bronze Anodized Aluminum.
    ii. All Hollow Metal Doors and Frames shall be factory primed and painted Black. (paint shall be spray or roller applied to eliminate brush strokes – minimum two finish coats)
    iii. All Wood Doors shall be factory finished or shop finished with Stain and Varnish. (Color TBD)

24. Where is Door Type SF-1?
cc. **CHANGE** SF-1 to FG-1

25. Please confirm that door 112-C is panel type FL-1
dd. No, **CHANGE** 112-C door panel shall be FG-1.

26. Please clarify Requirements for Toilet Accessories.
ee. **CHANGE** All Toilet Accessories shall be provided by General Contractor
    i. Toilet Paper Dispenser = Bobrick B-2888
    ii. Paper Towel Dispenser = Bobrick B-262
    iii. Soap Dispenser = Bobrick B-2111
    iv. ADA Folding Shower Seat = Bobrick B-5181
    v. **ADD** Shower Rod = Bobrick B-6047
    vi. **ADD** Shower Curtain Hooks = Bobrick B-201-1
    vii. **ADD** Shower Curtain = Bobrick B-204-2 (42” x72”)
    viii. **ADD** Shower Grab Bar = Bobrick B-6861
    ix. **ADD** Sanitary Napkin Disposal Unit at all toilet rooms

END OF DOCUMENT

SECTION 054000 - COLD-FORMED METAL FRAMING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section Includes:

1. Exterior non-load-bearing wall framing.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. ClarkDietrich Building Systems.

2.2 PERFORMANCE REQUIREMENTS

A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design cold-formed steel framing.

B. Structural Performance: Provide cold-formed steel framing capable of withstanding design loads within limits and under conditions indicated.

1. Design Loads: **As indicated on Drawings**.
2. Deflection Limits: Design framing systems to withstand **design loads** without deflections greater than the following:
   a. Exterior Non-Load-Bearing Framing: Horizontal deflection of **1/600** of the wall height.
   b. Interior Non-Load-Bearing Framing: Horizontal deflection of **1/360** of the wall height under a horizontal load of 5 lbf/sq. ft..

3. Design framing systems to provide for movement of framing members located outside the insulated building envelope without damage or overstressing, sheathing failure, connection failure, undue strain on fasteners and anchors, or other detrimental effects when subject to a maximum ambient temperature change of 120 deg F.
4. Design framing system to maintain clearances at openings, to allow for construction tolerances, and to accommodate live load deflection of primary building structure as follows:

    a. Upward and downward movement of 1 inch.

5. Design exterior non-load-bearing wall framing to accommodate horizontal deflection without regard for contribution of sheathing materials.

C. Cold-Formed Steel Framing Standards: Unless more stringent requirements are indicated, framing shall comply with AISI S100, AISI S200, and the following:

1. Floor and Roof Systems: AISI S210.
2. Wall Studs: AISI S211.
3. Headers: AISI S212.
4. Lateral Design: AISI S213.

D. Fire-Resistance Ratings: Comply with ASTM E 119; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1. Indicate design designations from UL's "Fire Resistance Directory" or from the listings of another qualified testing agency acceptable to authorities having jurisdiction.

2.3 COLD-FORMED STEEL FRAMING MATERIALS

A. Steel Sheet: ASTM A 1003/A 1003M, Structural Grade, Type H, metallic coated, of grade and coating designation as follows:

1. Grade: ST33H or as required by structural performance.
2. Coating: G60 or equivalent.

B. Steel Sheet for Vertical Deflection Drift Clips: ASTM A 653/A 653M, structural steel, zinc coated, of grade and coating as follows:

1. Grade: 33 or as required by structural performance.
2. Coating: G60.

2.4 FRAMING ACCESSORIES

A. Fabricate steel-framing accessories from ASTM A 1003/A 1003M, Structural Grade, Type H, metallic coated steel sheet, of same grade and coating designation used for framing members.

2.5 FABRICATION

A. Fabricate cold-formed steel framing and accessories plumb, square, and true to line, and with connections securely fastened, according to referenced AISI's specifications and standards, manufacturer's written instructions, and requirements in this Section.

1. Fabricate framing assemblies using jigs or templates.
2. Cut framing members by sawing or shearing; do not torch cut.
3. Fasten cold-formed steel framing members by welding, screw fastening, clinch fastening, pneumatic pin fastening, or riveting as standard with fabricator. Wire tying of framing members is not permitted.

    a. Comply with AWS D1.3/D1.3M requirements and procedures for welding, appearance and quality of welds, and methods used in correcting welding work.
    b. Locate mechanical fasteners and install according to Shop Drawings, with screws penetrating joined members by no fewer than three exposed screw threads.

4. Fasten other materials to cold-formed steel framing by welding, bolting, pneumatic pin fastening, or screw fastening, according to Shop Drawings.

B. Reinforce, stiffen, and brace framing assemblies to withstand handling, delivery, and erection stresses. Lift fabricated assemblies by means that prevent damage or permanent distortion.

C. Tolerances: Fabricate assemblies level, plumb, and true to line to a maximum allowable variation of 1/8 inch in 10 feet and as follows:

1. Spacing: Space individual framing members no more than plus or minus 1/8 inch from plan location. Cumulative error shall not exceed minimum fastening requirements of sheathing or other finishing materials.
2. Squareness: Fabricate each cold-formed steel framing assembly to a maximum out-of-square tolerance of 1/8 inch.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, conditions, and abutting structural framing for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Before sprayed fire-resistive materials are applied, attach continuous angles, supplementary framing, or tracks to structural members indicated to receive sprayed fire-resistive materials.

B. After applying sprayed fire-resistive materials, remove only as much of these materials as needed to complete installation of cold-formed framing without reducing thickness of fire-resistive materials below that required to obtain fire-resistance ratings indicated. Protect remaining fire-resistive materials from damage.

C. Install load-bearing shims or grout between the underside of load-bearing wall bottom track and the top of foundation wall or slab at locations with a gap larger than 1/4 inch to ensure a uniform bearing surface on supporting concrete or masonry construction.

D. Install sealer gaskets at the underside of wall bottom track or rim track and at the top of foundation wall or slab at stud or joist locations.

3.3 INSTALLATION, GENERAL

A. Cold-formed steel framing may be shop or field fabricated for installation, or it may be field assembled.

B. Install cold-formed steel framing according to AISI S200, AISI S202, and manufacturer's written instructions unless more stringent requirements are indicated.

C. Install shop- or field-fabricated, cold-formed framing and securely anchor to supporting structure.

1. Screw, bolt, or weld wall panels at horizontal and vertical junctures to produce flush, even, true-to-line joints with maximum variation in plane and true position between fabricated panels not exceeding 1/16 inch.

D. Install cold-formed steel framing and accessories plumb, square, and true to line, and with connections securely fastened.

1. Cut framing members by sawing or shearing; do not torch cut.
2. Fasten cold-formed steel framing members by welding, screw fastening, clinch fastening, or riveting. Wire tying of framing members is not permitted.

a. Comply with AWS D1.3/D1.3M requirements and procedures for welding, appearance and quality of welds, and methods used in correcting welding work.
b. Locate mechanical fasteners, install according to Shop Drawings, and comply with requirements for spacing, edge distances, and screw penetration.

E. Install framing members in one-piece lengths unless splice connections are indicated for track or tension members.

F. Install temporary bracing and supports to secure framing and support loads equal to those for which structure was designed. Maintain braces and supports in place, undisturbed, until entire integrated supporting structure has been completed and permanent connections to framing are secured.

G. Do not bridge building expansion joints with cold-formed steel framing. Independently frame both sides of joints.

H. Install insulation, specified in Section 072100 "Thermal Insulation," in framing-assembly members, such as headers, sills, boxed joists, and multiple studs at openings, that are inaccessible on completion of framing work.

I. Fasten hole-reinforcing plate over web penetrations that exceed size of manufacturer's approved or standard punched openings.

3.4 EXTERIOR NON-LOAD-BEARING WALL INSTALLATION

A. Install continuous tracks sized to match studs. Align tracks accurately and securely anchor to supporting structure.

B. Fasten both flanges of studs to top and bottom track unless otherwise indicated. Space studs as follows:

1. Stud Spacing: 16 inches or as indicated on Drawings .

C. Set studs plumb, except as needed for diagonal bracing or required for nonplumb walls or warped surfaces and similar requirements.

D. Isolate non-load-bearing steel framing from building structure to prevent transfer of vertical loads while providing lateral support.

1. Install single deep-leg deflection tracks and anchor to building structure.
2. Install double deep-leg deflection tracks and anchor outer track to building structure.
3. Connect vertical deflection clips to bypassing studs and anchor to building structure.
4. Connect drift clips to cold-formed steel framing and anchor to building structure.

E. Install horizontal bridging in wall studs, spaced vertically in rows indicated on Shop Drawings but not more than 48 inches apart. Fasten at each stud intersection.

1. Channel Bridging: Cold-rolled steel channel, welded or mechanically fastened to webs of punched studs.
2. Strap Bridging: Combination of flat, taut, steel sheet straps of width and thickness indicated and stud-track solid blocking of width and thickness to match studs. Fasten flat straps to stud flanges and secure solid blocking to stud webs or flanges.
3. Bar Bridging: Proprietary bridging bars installed according to manufacturer's written instructions.

F. Top Bridging for Single Deflection Track: Install row of horizontal bridging within 18 inches of single deflection track. Install a combination of bridging and stud or stud-track solid blocking of width and thickness matching studs, secured to stud webs or flanges.

1. Install solid blocking at centers indicated on Shop Drawings.

G. Install miscellaneous framing and connections, including stud kickers, web stiffeners, clip angles, continuous angles, anchors, and fasteners, to provide a complete and stable wall-framing system.

3.5 ERECTION TOLERANCES

A. Install cold-formed steel framing level, plumb, and true to line to a maximum allowable tolerance variation of 1/8 inch in 10 feet and as follows:

1. Space individual framing members no more than plus or minus 1/8 inch from plan location. Cumulative error shall not exceed minimum fastening requirements of sheathing or other finishing materials.

3.6 FIELD QUALITY CONTROL

A. Testing: Owner will engage a qualified independent testing and inspecting agency to perform field tests and inspections and prepare test reports.

B. Field and shop welds will be subject to testing and inspecting.

C. Testing agency will report test results promptly and in writing to Contractor and Architect.

D. Cold-formed steel framing will be considered defective if it does not pass tests and inspections.

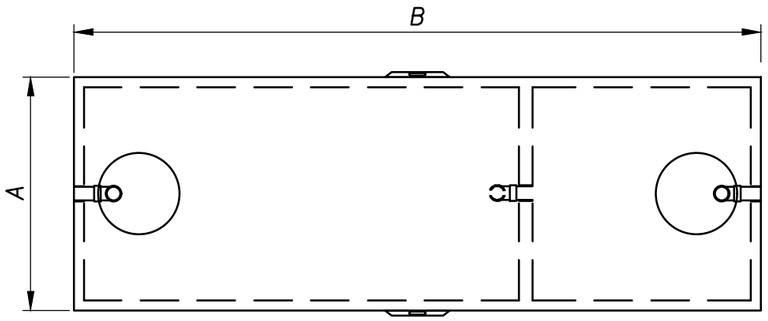
E. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

3.7 REPAIRS AND PROTECTION

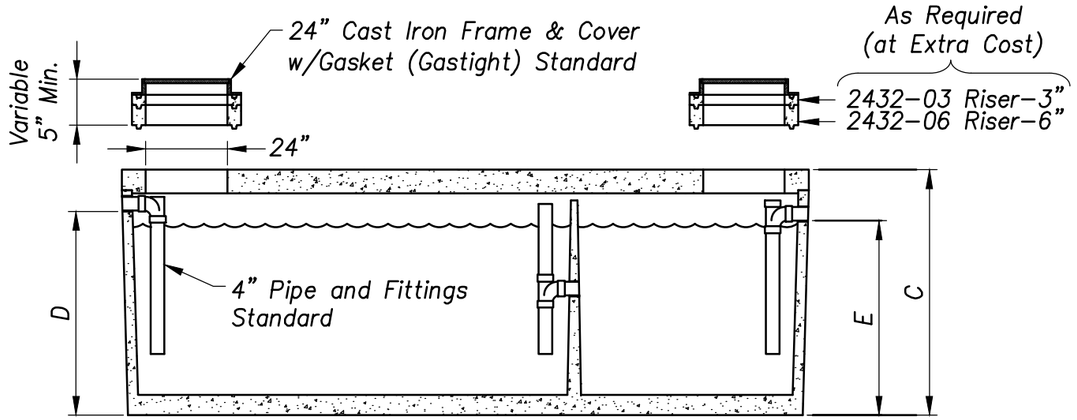
A. Galvanizing Repairs: Prepare and repair damaged galvanized coatings on fabricated and installed cold-formed steel framing with galvanized repair paint according to ASTM A 780/A 780M and manufacturer's written instructions.

B. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, that ensure that cold-formed steel framing is without damage or deterioration at time of Substantial Completion.

END OF SECTION 054000



Plan View
(COVERS REMOVED)



Side Section View

MODEL NUMBER	LIQUID CAPACITY (GALLONS)	DIM A	DIM B	DIM C	DIM D	DIM E	MINIMUM EXCAVATION WIDTH	MINIMUM EXCAVATION LENGTH	DEPTH OF BURY
JP320EE-G	320	3'-0"	7'-0"	4'-6"	3'-7"	3'-4"	4'-0"	8'-0"	1' TO 8'
JP500EE-G	500	4'-0"	6'-0"	5'-10"	4'-10"	4'-7"	5'-0"	7'-0"	1' TO 6'
JP750EE-G	750	4'-0"	8'-1"	6'-0"	5'-0"	4'-9"	5'-3"	9'-1"	1' TO 6'
JP1000EE-G	1000	5'-1"	8'-2"	6'-0"	5'-0"	4'-9"	6'-4"	9'-2"	1' TO 6'
JP1200EE-G	1200	5'-9"	8'-6"	6'-0"	5'-0"	4'-9"	7'-0"	9'-6"	1' TO 6'
JP1500EE-G	1500	5'-7"	10'-8"	6'-0"	5'-0"	4'-9"	6'-10"	11'-8"	1' TO 6'
JP2000EE-G	2000	4'-11"	15'-11"	6'-0"	5'-0"	4'-9"	5'-11"	16'-11"	1' TO 6'
JZ2500EE-G	2500	5'-9"	16'-10"	6'-0"	5'-0"	4'-9"	6'-9"	17'-10"	1' TO 5'
JZ3000EE-G	3000	5'-9"	16'-10"	6'-9"	5'-9"	5'-6"	6'-9"	17'-10"	1' TO 5'
JZ4000EE-G	4000	7'-8"	16'-7"	6'-9"	5'-6"	5'-3"	8'-8"	17'-7"	1' TO 5'
JZ5000EE-G	5000	7'-8"	16'-7"	7'-11"	6'-9"	6'-6"	8'-8"	17'-7"	1' TO 4'

1200 Gal.

*OVERALL WIDTH CAN VARY WITH TANK MODEL. USE EXCAVATION WIDTH FOR SITE PLANNING.

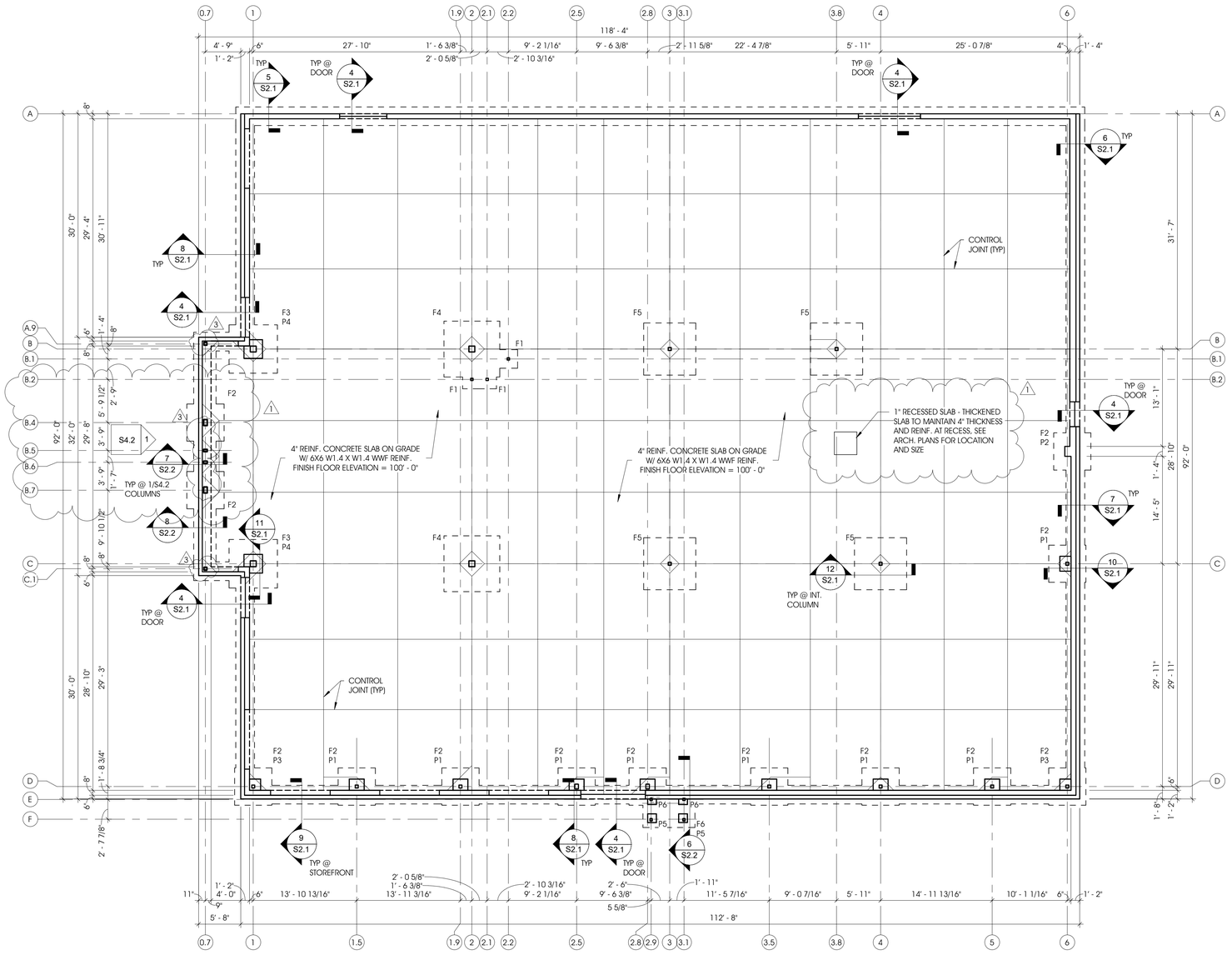
BOX DESIGN LOAD: H-20 TRAFFIC

GREASE INTERCEPTOR NOTES

1. Kitchen waste/sewage shall drain to grease interceptor.
2. Restrooms shall not drain to grease interceptor.

GREASE INTERCEPTOR DETAIL

(Not To Scale)



1 FOUNDATION PLAN
S1.0 1/8" = 1'-0"

GENERAL NOTES

A. ALL SLABS ON GRADE TO BE AT FINISH FLOOR ELEVATION 100'-0" = 741.00' U.N.O.

B. ALL SLABS TO BE 4" THICK CONCRETE WITH 6X6 - W1.4XW1.4 WWF REINFORCING. LOCATE 1-1/2" BELOW TOP OF SLAB U.N.O.

C. BUILDING FLOOR SLABS TO BE SUPPORTED ON A MINIMUM OF 6" THICK WELL-COMPACTED GRANULAR BASE COURSE (MDOT NO. 53 CRUSHED STONE) BEARING ON A SUITABLY PREPARED SUB GRADE.

D. EXACT LOCATION OF PLUMBING TO BE COORDINATED WITH PLUMBING PLANS.

FOOTING SCHEDULE

MARK	DIMENSIONS	THICK	T/FTG. ELEV.	TOP REINF.	BOT. REINF.	QNTY	T/PEDESTAL ELEV.
F1	2'-6"X2'-6"	12"	99'-4"	N/A	#5 @ 12 E.W.	3	N/A
F2	5'-0"X5'-0"	12"	97'-0"	N/A	#5 @ 12 E.W.	13	97'-0"
F3	6'-6"X6'-6"	12"	97'-0"	N/A	#5 @ 12 E.W.	2	97'-0"
F4	7'-6"X7'-6"	12"	99'-4"	N/A	#5 @ 12 E.W.	2	N/A
F5	7'-0"X7'-0"	12"	99'-4"	#5 @ 12 E.W.	#5 @ 12 E.W.	4	N/A
F6	7'-0"X5'-8"	12"	97'-0"	#5 @ 12 E.W.	#5 @ 12 E.W.	1	100'-0"

PEDESTAL SCHEDULE

MARK	DIMENSIONS	VERTICAL REINF.	HORIZONTAL REINF.	QNTY	T/PEDESTAL ELEV.
P1	24"X32"	26 #5 DOWELS	#4 @ 10"	8	99'-4"
P2	16"X24"	14 #5 DOWELS	#4 @ 10"	1	100'-0"
P3	32"X32"	34 #5 DOWELS	#4 @ 10"	2	99'-4"
P4	30"X30"	30 #5 DOWELS	#4 @ 10"	2	99'-4"
P5	14"X14"	8 #5 DOWELS	#4 @ 9"	2	100'-0"
P6	14"X23"	10 #5 DOWELS	#4 @ 9"	2	100'-0"
NA	-	-	-	-	-
NA	-	-	-	-	-
NA	-	-	-	-	-

COLUMN SCHEDULE

MARK	SHAPE	BASE PLATE	LOCATION	BRG. ELEV.	T/COL. ELEV.	QNTY
C1	HSS 4X4X5/16	10"X10"X3/4"	B.1-2.2; B.2-2; B.2-2.1	99'-5 1/2"	113'-5"	3
C2	HSS 4X4X3/8	8"X8"X3/4"	E-2.9	100'-0"	115'-6"	1
C3	HSS 4X4X3/8	8"X8"X3/4"	G-2.9; G-3.1; E-3.1	100'-0"	120'-1 5/8"	3
C4	HSS 4X4X3/8	10"X8"X3/4"	E-2.5; G-2.5	110' - 11 15/16"	120'-1 5/8"	2
C5	HSS 5X5X1/4	11"X11"X3/4"	D-1; D-1.5; D-1.9; D-3.5; D-4; D-5; D-6	99'-5 1/2"	115'-10 9/16"	7
C6	HSS 5X5X1/4	11"X11"X3/4"	C-6	99'-5 1/2"	115'-3 1/8"	1
C7	HSS 5X5X1/4	11"X11"X3/4"	C-3; C-4	99'-5 1/2"	115'-3 1/8"	2
C8	HSS 5X5X1/4	11"X11"X3/4"	B-3; B-3.8	99'-5 1/2"	114'-7 7/8"	2
C9	HSS 6X4X5/16	10"X7"X3/4"	B.5-0.7; B.6-0.7	99'-5 1/2"	-	2
C10	HSS 8X6X3/8	14"X12"X3/4"	D-2.5; D-2.8	99'-5 1/2"	115'-10 9/16"	2
C11	HSS 10X6X3/8	16"X7"X3/4"	B.4-0.7; B.7-0.7	99'-5 1/2"	130'-3 5/8"	2
C12	HSS 10X10X1/2	16"X11"X3/4"	B-1; C-1	99'-5 1/2"	121'-1 5/16"	2
C13	HSS 10X10X1/2	16"X16"X3/4"	B-2; C-2	99'-5 1/2"	121'-1 5/16"	2
C14	HSS 5X5X1/4	11"X11"X3/4"	A.9-0.7; C.1-0.7	99'-5 1/2"	110'-5 1/4"	2

NOTES: BRG. ELEVATION EQUALS BOT. OF BASE PLATE ELEVATIONS. SEE DETAILS FOR NON-SHRINK GROUT REQUIREMENTS AND TOP OF FDTN. ELEVATIONS.

NO.	REVISION DESCRIPTION	BY	DATE
3	REVISION #3		08/29/2023
1	REVISION #1		08/22/2023

ABONMARCHE
315 W. JEFFERSON BLVD
South Bend, IN 46601
P 574.251.2700
F 574.251.4440
abonmarche.com
Benton Harbor, Grand Haven, Grand Rapids, Kalamazoo/Portage, Fort Wayne
Goshen, Hobart, Lafayette, South Bend, Valparaiso
Engineering, Architecture, Land Surveying

DOING THE MOST GOOD

PROJECT:
NILES FACILITY
1707 MILLER DR. NILES, MI 49120

FOUNDATION PLAN

SHEET TITLE:

MODELED BY: JMO
DESIGNED BY: JMO
PM REVIEW: SFL
QA/QC REVIEW: SFL
DATE: 07/31/2023

SEAL:
STATE OF MICHIGAN
SCOTT FRANCIS LEBLANG
ENGINEER
No. 6201067898
LICENSED PROFESSIONAL ENGINEER

SIGNATURE:
DATE:

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ACI JOB #
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SHEET NO.
S1.0

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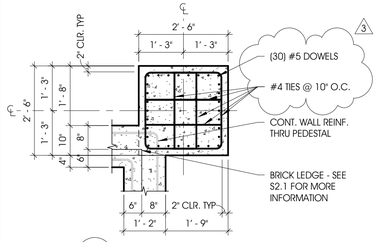
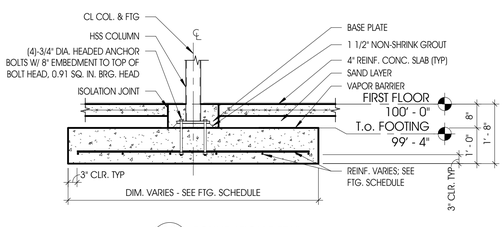
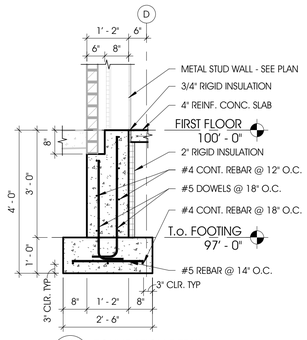


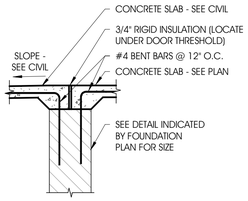
16 S2.1 PEDESTAL - P4 DETAIL
1/2" = 1'-0"



12 S2.1 FOUNDATION DETAIL
1/2" = 1'-0"



8 S2.1 FOUNDATION DETAIL
1/2" = 1'-0"



4 S2.1 FOUNDATION @ DOOR DETAIL
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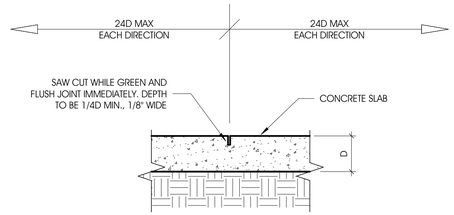
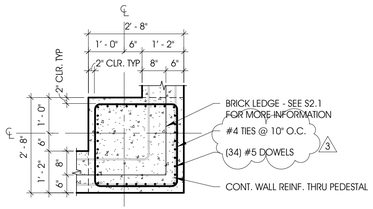


3 S2.1 FLOOR SLAB CONTROL JOINT DETAIL
1 1/2" = 1'-0"



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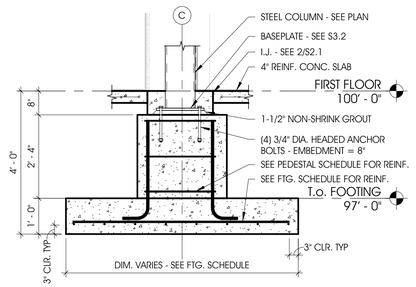
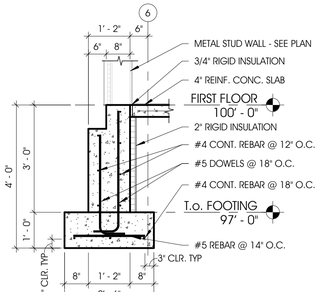


11 S2.1 FOUNDATION DETAIL
1/2" = 1'-0"



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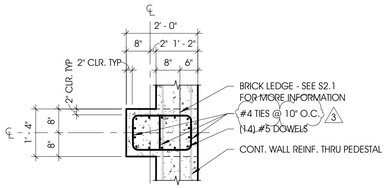
1/2" = 1'-0"



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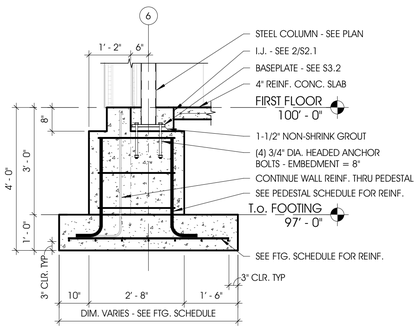
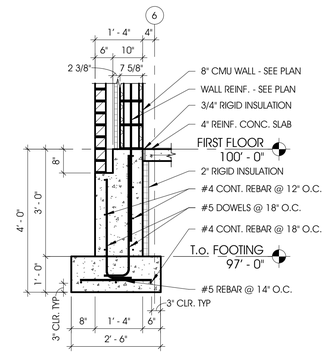


10 S2.1 FOUNDATION DETAIL
1/2" = 1'-0"



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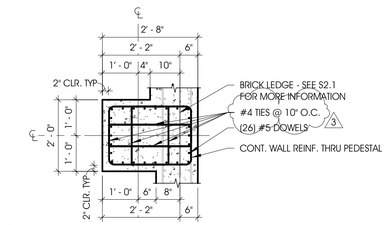
1/2" = 1'-0"



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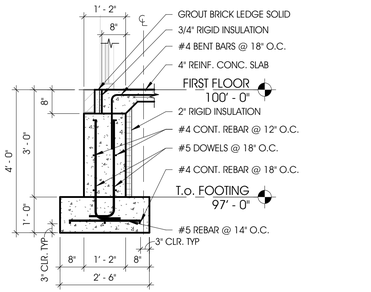
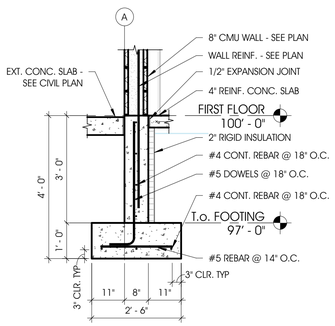
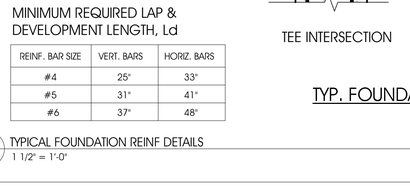


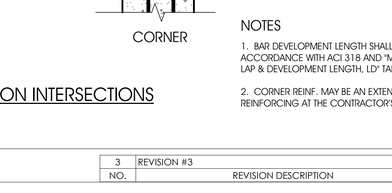
9 S2.1 FOUNDATION DETAIL
1/2" = 1'-0"



5 S2.1 FOUNDATION DETAIL
1/2" = 1'-0"

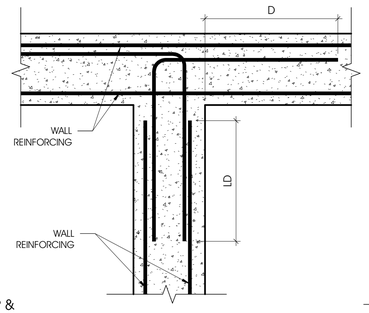


INTERIOR ISOLATION JOINT

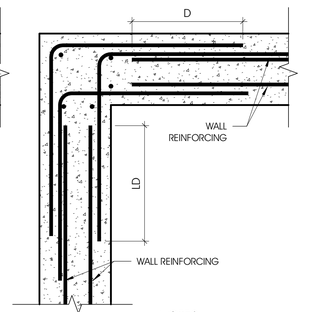


EXTERIOR WALL ISOLATION JOINT

2 S2.1 ISOLATION JOINT
1" = 1'-0"



TEE INTERSECTION



CORNER

MINIMUM REQUIRED LAP & DEVELOPMENT LENGTH, Ld

REINF. BAR SIZE	VERT. BARS	HORIZ. BARS
#4	25"	33"
#5	31"	41"
#6	37"	48"

TYP. FOUNDATION INTERSECTIONS

NOTES

1. BAR DEVELOPMENT LENGTH SHALL BE IN ACCORDANCE WITH ACI 318 AND "MINIMUM REQUIRED LAP & DEVELOPMENT LENGTH, LD" TABLE, THIS DETAIL.

2. CORNER REINF. MAY BE AN EXTENSION OF THE WALL REINFORCING AT THE CONTRACTOR'S OPTION.

1 S2.1 TYPICAL FOUNDATION REINF DETAILS
1 1/2" = 1'-0"

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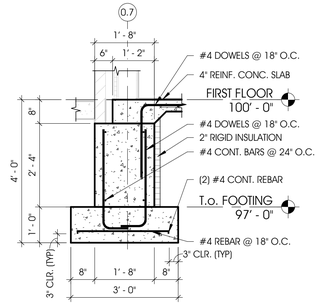
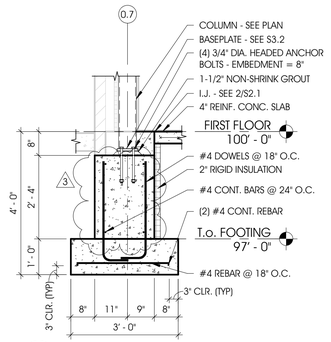


8 S2.2 FOUNDATION DETAIL
1/2" = 1'-0"



7 S2.2 FOUNDATION DETAIL
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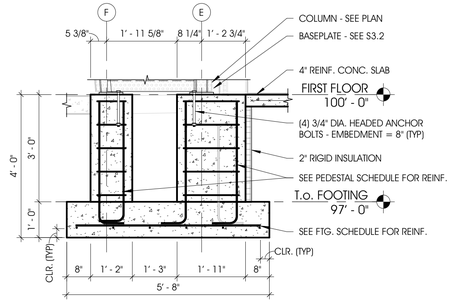


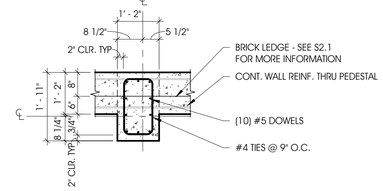
6 S2.2 FOUNDATION DETAIL
1/2" = 1'-0"

3

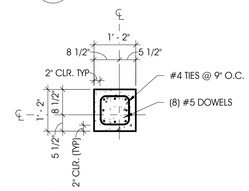
5 S2.2 PEDESTAL - P9 NOT IN USE
1/2" = 1'-0"

4 S2.2 PEDESTAL - 8 DETAIL NOT IN USE
1/2" = 1'-0"

3 S2.2 PEDESTAL - 7 DETAIL NOT IN USE
1/2" = 1'-0"



2 S2.2 PEDESTAL - 6 DETAIL
1/2" = 1'-0"



1 S2.2 PEDESTAL - P5 DETAIL
1/2" = 1'-0"

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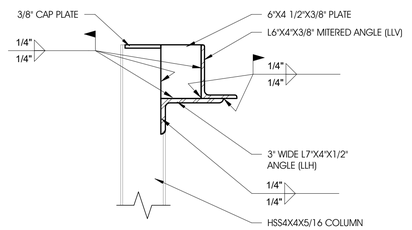
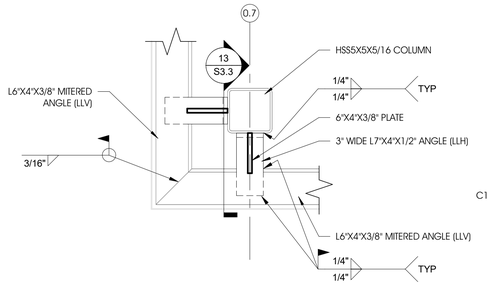
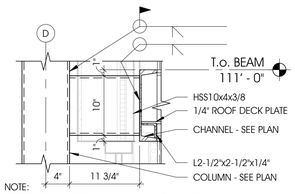


13 S3.3 CORNER WINDOW FRAME DETAIL
1 1/2" = 1'-0"



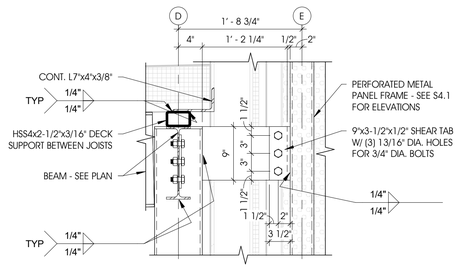
NOTE: L6"X4"X3/8" TO BEAR A MINIMUM OF 8" ON THE BRICK VENEER

12 S3.3 CORNER WINDOW FRAMING
1 1/2" = 1'-0"

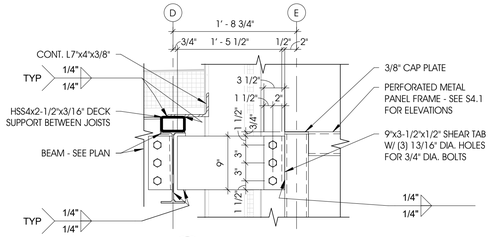


NOTE:
FABRICATOR TO DESIGN EACH BEAM CONNECTION
FOR THE FOLLOWING ASD (SERVICE LOADS)
REACTIONS: V=10 KIPS, M=25 K-FT

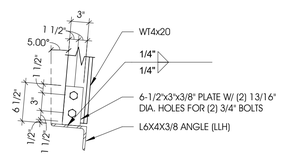
11 S3.3 STRUCTURAL DETAIL
1" = 1'-0"



10 S3.3 STRUCTURAL DETAIL
1" = 1'-0"



9 S3.3 STRUCTURAL DETAIL
1" = 1'-0"



8 S3.3 STRUCTURAL DETAIL
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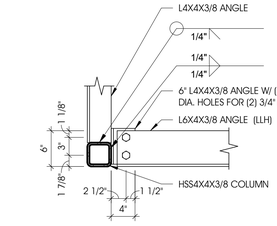

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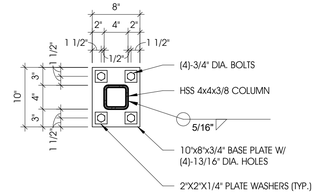
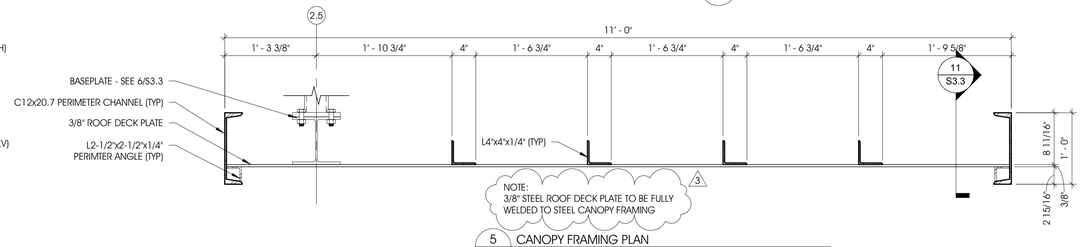
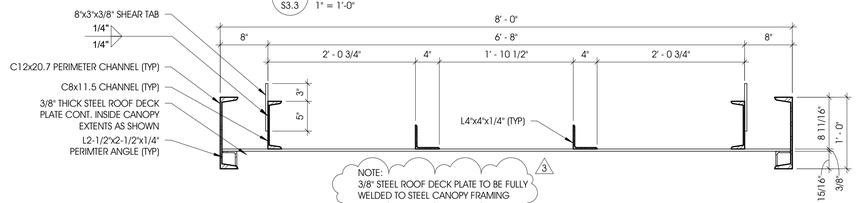


6 S3.3 BASE PLATE DETAIL: C4
1" = 1'-0"



5 S3.3 CANOPY FRAMING PLAN
1" = 1'-0"



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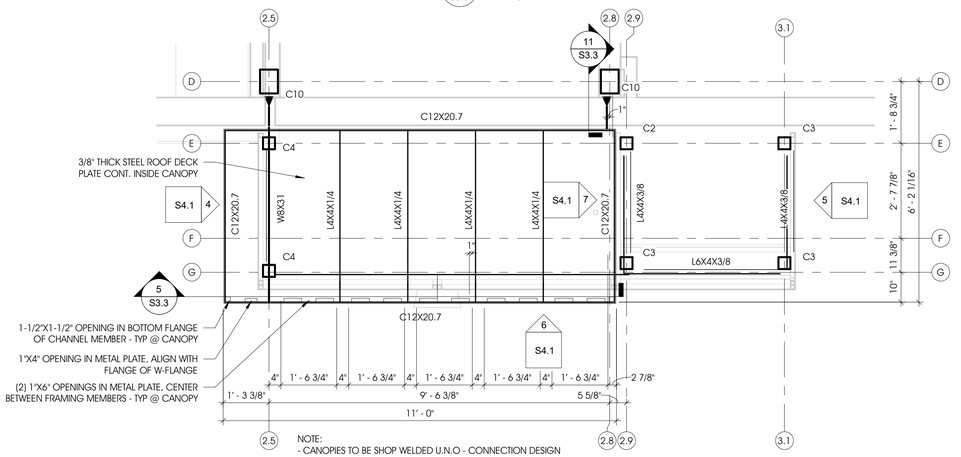
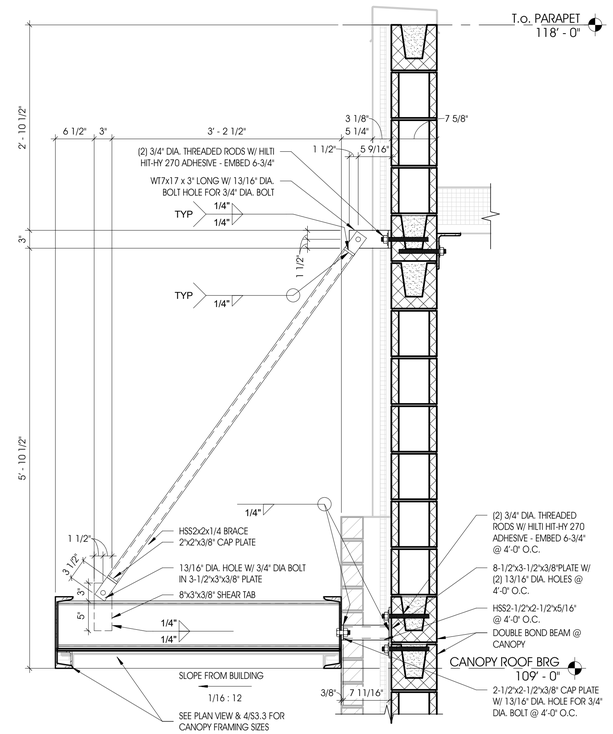
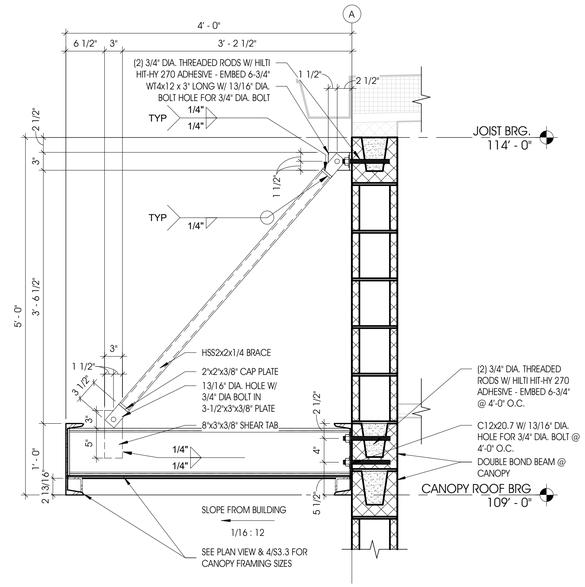


NOTE:
- CANOPIES TO BE SHOP WELDED U.N.O - CONNECTION DESIGN BY STEEL MANUF.
- ALL EXTERIOR CANOPY FRAMING TO BE HOT DIP GALVANIZED, SHOP PRIMED, AND PAINTED PER SPECIFICATIONS.

3 S3.3 5'-0" CANOPY FRAMING PLAN
1/2" = 1'-0"



2 S3.3 CANOPY FRAMING DETAIL
1" = 1'-0"



1 S3.3 CANOPY FRAMING DETAIL
1" = 1'-0"

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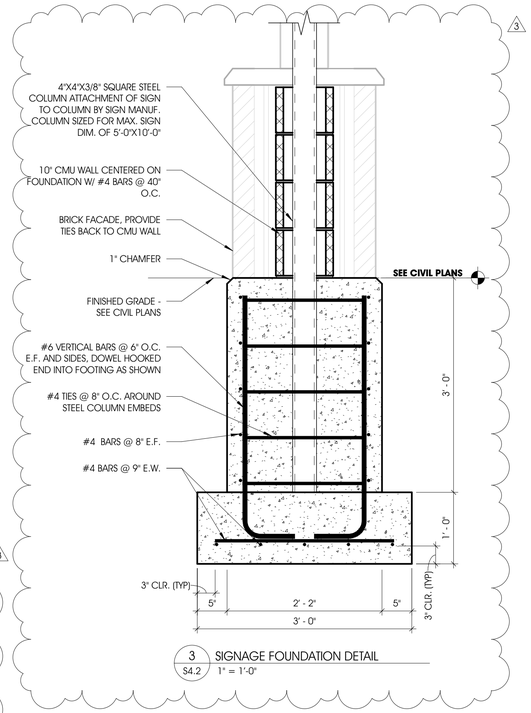
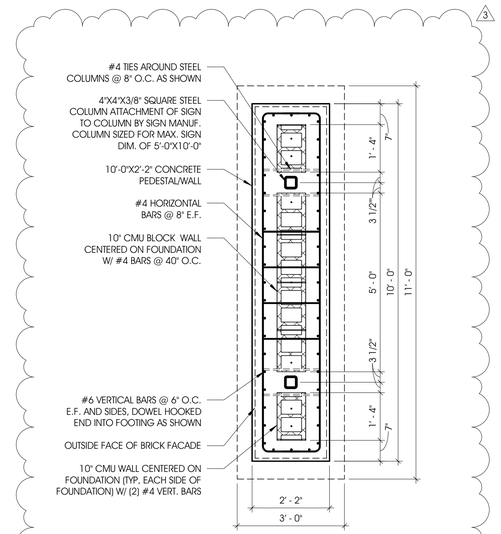
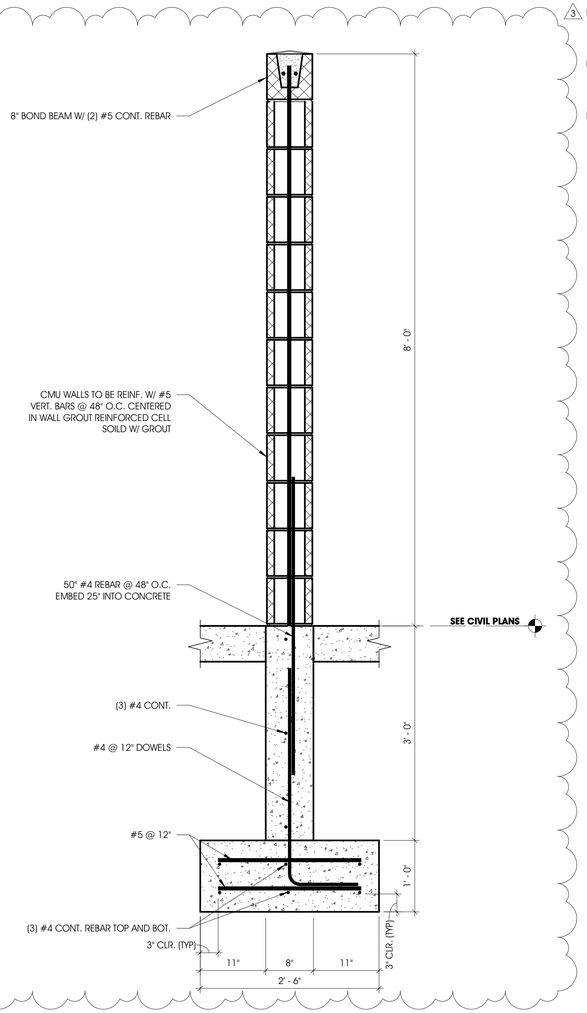


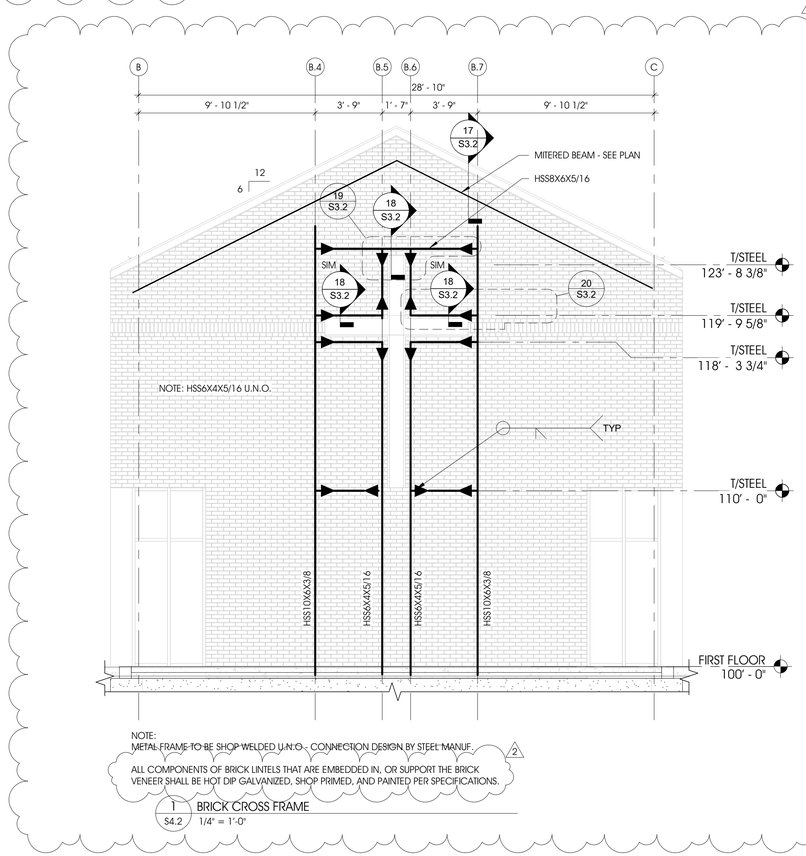
3 S4.2 SIGNAGE FOUNDATION DETAIL
1" = 1'-0"



2 S4.2 SIGNAGE FOUNDATION PLAN
1/2" = 1'-0"



4 S4.2 FOUNDATION DETAIL AT DUMPSTER ENCLOSURE
1" = 1'-0"



NOTE:
METAL FRAME TO BE SHOP WELDED U.N.O. CONNECTION DESIGN BY STEEL MANUF.

ALL COMPONENTS OF BRICK LINTELS THAT ARE EMBEDDED IN, OR SUPPORT THE BRICK VENEER SHALL BE HOT DIP GALVANIZED, SHOP PRIMED, AND PAINTED PER SPECIFICATIONS.

1 S4.2 BRICK CROSS FRAME
1/4" = 1'-0"

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Valparaiso

Engineering, Architecture, Land Surveying

PROJECT:
DOING THE MOST GOOD
THE SALVATION ARMY
NILES FACILITY
1707 MILLER DR. NILES, MI 49120

STRUCTURAL ELEVATIONS

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SEAL:
STATE OF MICHIGAN
SCOTT FRANCIS LEBLANG
ENGINEER
No. 6201067898
LICENSED PROFESSIONAL ENGINEER

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