

DOCUMENT 00 91 13

ADDENDA

ADDENDUM NUMBER 01

DATE: 08/21/2023

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, 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 [90] pages and the following Drawings:

No.	Drawing Title	Issue Date
S1.0	FOUNDATION PLAN	07-31-2023
S1.1	ROOF FRAMING PLANS	07-31-2023
S3.2	STRUCTURAL DETAILS	07-31-2023
S4.1	STRUCTURAL ELEVATIONS	07-31-2023
S4.2	STRUCTURAL ELEVATIONS	07-31-2023
A8.2 (ADD1.1)	DOOR SCHEUDLES	07-31-2023

**CHANGES TO THE PROJECT MANUAL**

DOCUMENT 00 01 10 - TABLE OF CONTENTS

1. TABLE OF CONTENTS (Not Re-Issued)

a. ADD the following after SECTION 006000 – PROJECT FORMS:

The Salvation Army  
The Salvation Army - Niles  
22-0578

Addendum 01  
00 9113 - 1

- i. 006000a – A101a-2017 – Owner Contractor Agreement (DRAFT)
  - 1. Revised and Re-Issued
- ii. 006000a – A101b-2017 – Insurance Bonds (DRAFT)
- iii. 006000b – A201 – 2017 - General Conditions (DRAFT)
- iv. 006000c – Supplementary Conditions
- v. 006000d – A312 –Payment Bond (DRAFT)
  - 1. ADDED (Attached)
- vi. 006000e – A312 – Performance Bond (DRAFT)
  - 1. ADDED (Attached)
- vii. 006000f – G702 – Application for Certificate of Payment (DRAFT)
- viii. 006000g – G703 – Continuation Sheet (DRAFT)
- ix. 006000h – G716 – RFI (DRAFT)
- x. 006000i – G710 – ASI (DRAFT)
- xi. 006000j – G709 – WCPR (DRAFT)
- xii. 006000k – CONSTRUCTION CHANGE DIRECTIVE (DRAFT)
  - 1. ADDED (Attached)
- xiii. 006000l – G701 – CO (DRAFT)
- xiv. 006000m – G704 – Certificate of Substantial Completion (DRAFT)

**2. SECTION 004323 – ALTERNATES (ATTACHED)**

- a. **ADD** Entire Section to spec.

**3. SECTION 006000a – A101 AGREEMENT BETWEEN OWNER AND CONTRACTOR**

- a. **REVISE** (Re-Issued)

**4. SECTION 006000d – A312 PAYMENT BOND**

- a. **ADD** AIA DRAFT DOCUMENT to spec.

**5. SECTION 006000e – A312 PERFORMANCE BOND**

- a. **ADD** AIA DRAFT DOCUMENT to spec.

**6. SECTION 006000k – CONSTRUCTION CHANGE DIRECTIVE**

- a. **ADD** Owner provided CONSTRUCTION CHANGE DIRECTIVE to spec.

**7. SECTION 007300 – SUPPLEMENTARY CONDITIONS (Not Re-Issued)**

- a. **CHANGE** Spec Number to 006000c
- b. **ADD** ARTICLE 3.4.4 WAGE REQUIREMENT CLARIFICATION
  - i. The Owner wishes to avoid any labor unrest on this Project, and therefore draws the Bidder's attention to the following provisions which amend and/or supplement the previously issued Contract Documents, and are a part of the Contract. Owner requests Bidder's acknowledgement that its quotation has included the attendant costs and considerations.
  - ii. The Salvation Army (TSA) is committed to engaging the best qualified low bidder. Acknowledging that every project labor market is different, and those markets can also change from year to year. The Salvation Army expects the candidate or selected General Contractor (GC) to recommend Bidders/Sub-trades to mitigate any potential labor disputes. The GC shall advise the TSA as to the need to invoke or forego a mandate to require prevailing wage.
- c. **ADD** ARTICLE 3.18.3 SPECIAL INDEMNIFICATION PROVISION as follows:
  - i. In the event of a strike or similar union demonstration because the union claims or charges that Contractor and/or any of its Subcontractors have not paid prevailing wages, and that strike or demonstration disrupts the progress of the work, (1) Contractor acknowledges and agrees that it will indemnify Owner and hold it harmless for any and

all damages, costs, expenses (including without limitation reasonable attorney's fees) that result if Contractor is unable to promptly provide the documentation demonstrating compliance with the prevailing wage rates as required by the Contract; and Contractor shall not receive a time extension or adjustment to the Contract Price.

- ii. The rights stated in this Indemnity paragraph are cumulative and not in limitation of any rights of the Owner granted in the Contract Documents, at law, or in equity.
- d. **CLARIFY** Contractor's Certificate of Insurance shall include the following:
  - i. The Salvation Army, an Illinois Corporation, shall be indicated as the "HOLDER"
  - ii. The "PRODUCER" named on the COI shall validate the following before presenting the same to DFB/CFB and then TPC:
    - 1. Verify the "Insured" is still their client/customer.
    - 2. The insured still has in place the policy limits shown on the COI.
    - 3. The Policy "Effective" and Expiration" dates are correct, and that the dates extend past the duration of the projected Project Schedule.
    - 4. Verify that the "Authorized Representative" has signed the COI (see lower right hand corner of the COI)
  - iii. Abonmarche Consultants shall be named as "Additional Insured" on the COI.
- e. **CHANGE ARTICLE 11 CONTRACTORS LIABILITY INSURANCE** as follows:
  - i. Provide "Contractor's General Liability" coverage on "Commercial General Liability Coverage Form No. CG 00 01 01 96" or equivalent. Coverage to show endorsement; "Contractually assumed defense cost are in addition to policy limits".

Limits: General Aggregate (other than Products and Completed Operations) "Per Project"	\$3,000,000
Products-Completed Operations Aggregate Limit	\$3,000,000
Personal & Advertising Injury Limit	\$3,000,000
Each Occurrence Limit	\$3,000,000
Fire Damage Limit (any one fire)	\$3,000,000
Medical Expense Limit (one person)	\$ 100,000

- ii. Contractor's Automobile Liability and Property Damage Insurance:  
Contractor shall purchase and maintain during the life of the contract Automobile Liability and Property Damage Insurance covering all vehicles used on, or adjacent to, the site of work. Such insurances shall also cover the use of hired cars and trucks and Non-Ownership Liability.

Limits: Bodily Injury	\$1,000,000
Property Damage	\$1,000,000
or Combined Single Limit	\$1,000,000
Uninsured/Underinsured	\$1,000,000

- iii. Contractor's Excess/Umbrella Liability:  
Provide "Excess/Umbrella Liability" coverage. Coverage to show endorsement: "Follow Form Underlying".

Limits: Per Occurrence	\$3,000,000
	\$3,000,000
Self Insured Retention	\$ 3,000

- iv. Contractor's Workers' Compensation coverage" Provide  
"Workers' Compensation" coverage.

Limits: State	Statutory
Federal (LHWCA)	Statutory

Employer's Liability	
Per Accident	\$ 500,000
Per Disease	\$ 500,000
Per Employee	\$ 500,000

- f. **CHANGE ARTICLE 11 PERFORMANCE AND PAYMENT BONDS** as follows:
- i. Bonds shall be issued by Surety acceptable to the Owner, and executed for a term commencing on the Date of the Agreement, and ***REMAINING IN FULL FORCE FOR ONE-YEAR PAST THE DATE OF SUBSTANTIAL COMPLETION***. As that date is defined by the General Conditions.

8. SECTION 012300 – ALTERNATES
- a. **ADD** Alternate Number 2 (Re-Issued)

### CHANGES TO THE DRAWINGS

#### DRAWING T1.1 – TITLE SHEET (Not Re-Issued)

9. **ADD** Alternate number 2 to the ALTERNATES section located at the lower right of the sheet.
- a. **ALTERNATE #2:** In addition to base bid, provide (14) extra parking spaces on the west parking lot, increasing the total off street parking to (60) spaces.

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

10. **ADD** slab recess note near grids 3.8 and B.2.
11. **Adjusted** column spacing at the cross window along grid 0.7.
12. **Updated** column thickness in the column schedule

#### DRAWING S1.1 – ROOF FRAMING PLANS (Re-Issued)

13. **Adjusted** column spacing at the cross window along grid 0.7 in both of the plans (1/S1.1, and 2/S1.1).
14. **Updated** column thickness in the column schedule
15. **Moved** an elevation tag

#### DRAWING S3.2 – STRUCTURAL DETAILS (Re-Issued)

16. **Updated** detail 17/S3.2 to show correct T&G overhang.
17. **Adjusted** details 18,19,20/S3.2 for the changes to the cross window.
18. **Updated** details 12,14,15/S3.2 for changes made to the moment frames.

#### DRAWING S4.1 – STRUCTURAL ELEVATIONS (Re-Issued)

19. **Updated** elevations 1,2,3/S4.1 for changes made to the moment frames.

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

20. **Adjusted** detail 1/S4.2 for the changes to the cross window.

#### DRAWING A1.1 – FIRST FLOOR CONSTRUCTION PLAN (Not Re-Issued)

21. **ADD** door tag 101-A to main entry at vestibule 101.

#### DRAWING A8.2 – DOOR SCHEDULES (Re-Issued Refer to Sheet ADD1.1 Attached)

22. **CLARIFICATION** all exterior doors & frames shall be insulated aluminum storefront.
- b. **EXCEPTION** exterior doors 125-A, 125-B, and 129-A shall be insulated galvanized hollow metal doors and frames.
23. **DELETE** DOOR HARDWARE SCHEDULE.
24. **UPDATE** DOOR SCHEDULE 'hardware group' to reflect section 087100 in the specifications.
25. **UPDATE** door 112-C to show aluminum/insulated frame and panel.

**APPROVAL OF ADDITIONAL PRODUCTS/SYSTEMS**

26. Include the following acceptable manufacturers in sections indicated:

076100	McElroy Metal Inc. – Maxima 2” ADV Panel (22-gauge, flat pan profile, and 18” spacing.
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**QUESTIONS**

27. WINDOW CANOPY DETAIL/DRAWING LOCATIONS  
c. Fixed window canopy details can be found on sheet A6.1, call out 5/A7.2  
d. Service window and door canopy details can be found on sheet A2.1 and the associated structural details on S3.3.
28. FLOOR FINISH SPECIFICATION FOR VESTIBULE NORTH OF CORRIDOR 112  
e. Provide walk-off carpet tiles CPT-4 in this area. Match vestibule 101.
29. IS THIS PROJECT TAX EXEMPT?  
f. Yes, Owner will provide Tax I.D. number to successful bidder.
30. IS A FIRE ALARM REQUIRED AND SPECIFIED?  
g. Fire alarm is NOT REQUIRED based on the MBC section 907.2.1 & 907.2.2
31. WHAT IS THE SPECIFIED GRASS SEED MIX?  
h. Kentucky Bluegrass – Supreme – Supplier: Outside Pride
32. DOOR HARDWARE SUBSTITUTION: THE USE OF HAGER CLOSER, EXIT DEVICES, AND LOCKS.  
i. Request NOT APPROVED
33. WHAT IS THE SPECIFICATION FOR THE STEEL SHEETS ON THE MAIN ENTRY TOWER?  
j. "General stamping & metalworks (gsm), 2501 old cleveland rd., south bend, in - custom laser cut 1/8" stainless steel perforated panel w/ the salvation army logo outline. Provide isolation membrane between s.s. Panel and steel trim/frame. Refer to structural for additional information" "general stamping & metalworks (gsm), 2501 old cleveland rd., south bend, in - custom laser cut 1/8" stainless steel perforated panel w/ the salvation army logo outline. Provide isolation membrane between s.s. Panel and steel trim/frame. Refer to structural for additional information"
34. "Shower Floor" if the shower floor is mosaic a selection would need to be made. If a curb-less floor is selected then the concrete would need to be recessed.  
a. Mosaic tile shall be used for the finish of the shower pan – STYLE and COLOR : TBD.
35. "Wanes Coating" does that tile run into the shower?  
b. The show will be fully tiled and the wainscoting in the restroom will be wrapped in the shower stall. The concrete slab shall be recessed to allow for accessible entry. Schluter trim will be specified at drywall/tile transition into the shower.
36. "Wood and HM" in the schedule?  
c. Refer to item 17 above
37. "Aluminum" in the schedule it states not aluminum?  
d. Refer to item 17 above

38. "Door 110D" may be door 101A?
  - e. Refer to item 10 above
39. "Door 101A" is not on the drawings?
  - f. Refer to item 10 above
40. "Door 129C" noted as flush aluminum, yet shows to be a stile and rail full glass?
  - g. Door 129-C shall be Full Glass (FG-1), insulated aluminum storefront.
41. "Door Audit" are there any other doors mislabeled that are aluminum?
  - h. Refer to item 17 above.
42. T14000 series is centered glazed, and the architect shows the glazing offset:
  - i. All storefront glazing shall be center glazed as shown on Construction Documents
    - i. **EXCEPTION:** The cross window in CHAPEL 130 shall be outside glazed.

END OF DOCUMENT

## TABLE OF CONTENTS

### DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

SECTION 000115 - LIST OF DRAWING SHEETS
SECTION 001113 - ADVERTISEMENT FOR BIDS
SECTION 002113 - INSTRUCTIONS TO BIDDERS
SECTION 002213 - SUPPLEMENTARY INSTRUCTIONS TO BIDDERS
SECTION 002513 - PREBID MEETINGS
SECTION 002600 - PROCUREMENT SUBSTITUTION PROCEDURES
SECTION 003113 - PRELIMINARY SCHEDULE
SECTION 003132 - GEOTECHNICAL DATA
SECTION 004113 - BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)
SECTION 004321 - ALLOWANCE FORM
SECTION 004323 - ALTERNATES FORM
SECTION 004373 - PROPOSED SCHEDULE OF VALUES FORM
SECTION 004393 - BID SUBMITTAL CHECKLIST
SECTION 005100 - NOTICE OF AWARD
SECTION 006000 - PROJECT FORMS
006000a – A101a-2017 – Owner Contractor Agreement (DRAFT)
006000a – A101b-2017 – Insurance Bonds (DRAFT)
006000b – A201 – 2017 - General Conditions (DRAFT)
006000c – Supplementary Conditions
006000d – A312 –Payment Bond (DRAFT)
006000e – A312 – Performance Bond (DRAFT)
006000f – G702 – Application for Certificate (DRAFT)
006000g – G703 – Continuation Sheet (DRAFT)
006000h – G716 – RFI (DRAFT)
006000i – G710 – ASI (DRAFT)
006000j – G709 – WCPR (DRAFT)
006000k – G714 – CCD (DRAFT)
006000l – G701 – CO (DRAFT)
006000m – G704 – Certificate of Substantial Completion (DRAFT)
SECTION 009113 - ADDENDA

### DIVISION 01 - GENERAL REQUIREMENTS

SECTION 011000 - SUMMARY
SECTION 012100 - ALLOWANCES
SECTION 012300 - ALTERNATES
SECTION 012500 - SUBSTITUTION PROCEDURES
SECTION 012600 - CONTRACT MODIFICATION PROCEDURES
SECTION 012900 - PAYMENT PROCEDURES
SECTION 013300 - SUBMITTAL PROCEDURES
SECTION 014000 - QUALITY REQUIREMENTS
SECTION 015000 - TEMPORARY FACILITIES AND CONTROLS
SECTION 016000 - PRODUCT REQUIREMENTS
SECTION 017300 - EXECUTION
SECTION 017419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL
SECTION 017700 - CLOSEOUT PROCEDURES
SECTION 017823 - OPERATION AND MAINTENANCE DATA
SECTION 017839 - PROJECT RECORD DOCUMENTS

SECTION 017900 - DEMONSTRATION AND TRAINING

## DIVISION 02 - EXISTING CONDITIONS

SECTION 024119 - SELECTIVE DEMOLITION

## DIVISION 03 - CONCRETE

SECTION 032000 - CONCRETE REINFORCING  
SECTION 033000 - CAST-IN-PLACE CONCRETE

## DIVISION 04 - MASONRY

SECTION 042000 - UNIT MASONRY  
SECTION 042613 - MASONRY VENEER

## DIVISION 05 - METALS

SECTION 051200 - STRUCTURAL STEEL FRAMING  
SECTION 052100 - STEEL JOIST FRAMING  
SECTION 053100 - STEEL DECKING  
SECTION 055000 - METAL FABRICATIONS

## DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

SECTION 061000 - ROUGH CARPENTRY  
SECTION 061516 - WOOD ROOF DECKING  
SECTION 061600 - SHEATHING  
SECTION 064116 - PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS

## DIVISION 07 - THERMAL AND MOISTURE PROTECTION

SECTION 072100 - THERMAL INSULATION  
SECTION 072119 - FOAMED-IN-PLACE INSULATION  
SECTION 072500 - WEATHER BARRIERS  
SECTION 072600 - UNDER-SLAB VAPOR BARRIER  
SECTION 072727 - SELF-ADHERING SHEET WATERPROOFING  
SECTION 074213 - ALUMINUM METAL PLATE WALL PANELS  
SECTION 075423 - TPO MEMBRANE ROOFING SYSTEM  
SECTION 076100 - STANDING SEAM METAL ROOFING  
SECTION 076200 - SHEET METAL FLASHING AND TRIM  
SECTION 077100 - ROOF SPECIALTIES  
SECTION 077253 - SNOW GUARDS  
SECTION 078443 - JOINT FIRESTOPPING  
SECTION 079200 - JOINT SEALANTS

## DIVISION 08 - OPENINGS

SECTION 081113 - HOLLOW METAL DOORS AND FRAMES  
SECTION 081416 - FLUSH WOOD DOORS  
SECTION 083300 - ROLLING COUNTER DOORS WITH INTEGRAL FRAME  
SECTION 083313 - INSULATED ROLLING COUNTER SHUTTERS



SECTION 083613 - SECTIONAL OVERHEAD DOORS  
SECTION 084313 - ALUMINUM-FRAMED STOREFRONTS AND CURTAINWALL  
SECTION 087100 - DOOR HARDWARE  
SECTION 087113 - AUTOMATIC DOOR OPERATORS  
SECTION 088000 - GLAZING  
SECTION 088813 - FIRE-RATED GLAZING

## DIVISION 09 - FINISHES

SECTION 092216 - NON-STRUCTURAL METAL FRAMING  
SECTION 092900 - GYPSUM BOARD  
SECTION 095123 - ACOUSTICAL TILE CEILINGS  
SECTION 096513 - RESILIENT BASE AND ACCESSORIES  
SECTION 096519 - RESILIENT TILE FLOORING  
SECTION 096813 - TILE CARPETING  
SECTION 099000 - PAINTING AND COATING

## DIVISION 10 - SPECIALTIES

SECTION 102226 - FOLDING PANEL PARTITIONS  
SECTION 102800 - TOILET ACCESSORIES  
SECTION 104400 - FIRE PROTECTION SPECIALTIES  
SECTION 105613 - METAL STORAGE SHELVING

## DIVISION 12 - FURNISHINGS

SECTION 122400 - WINDOW SHADES  
SECTION 123661 - SOLID SURFACING COUNTERTOPS

## DIVISION 22 - PLUMBING

SECTION 220517 - SLEEVES AND SLEEVE SEALS FOR PLUMBING PIPING  
SECTION 220519 - METERS AND GAGES FOR PLUMBING PIPING  
SECTION 220523.12 - BALL VALVES FOR PLUMBING PIPING  
SECTION 220523.14 - CHECK VALVES FOR PLUMBING PIPING  
SECTION 220529 - HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT  
SECTION 220553 - IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT  
SECTION 220719 - PLUMBING PIPING INSULATION  
SECTION 221030 - PLUMBING SPECIALTIES  
SECTION 221116 - DOMESTIC WATER PIPING  
SECTION 221119 - DOMESTIC WATER PIPING SPECIALTIES  
SECTION 221123 - DOMESTIC WATER PUMPS  
SECTION 221316 - SANITARY WASTE AND VENT PIPING  
SECTION 221319 - SANITARY WASTE PIPING SPECIALTIES  
SECTION 221319.13 - SANITARY DRAINS  
SECTION 221323 - SANITARY WASTE INTERCEPTORS  
SECTION 223100 - DOMESTIC WATER SOFTENERS  
SECTION 223400 - FUEL-FIRED, DOMESTIC-WATER HEATERS  
SECTION 224000 - PLUMBING FIXTURES

## DIVISION 23 - HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

SECTION 230517 - SLEEVES AND SLEEVE SEALS FOR HVAC PIPING

SECTION 230529 - HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT  
SECTION 230553 - IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT  
SECTION 230593 - TESTING, ADJUSTING, AND BALANCING FOR HVAC  
SECTION 230713 - DUCT INSULATION  
SECTION 231123 - FACILITY NATURAL-GAS PIPING  
SECTION 233113 - METAL DUCTS  
SECTION 233300 - AIR DUCT ACCESSORIES  
SECTION 233346 - FLEXIBLE DUCTS  
SECTION 233423 - HVAC POWER VENTILATORS  
SECTION 233713.13 - AIR DIFFUSERS  
SECTION 233713.23 - AIR REGISTERS AND GRILLES  
SECTION 235123 - GAS VENTS  
SECTION 235533.16 - GAS-FIRED UNIT HEATERS  
SECTION 237416.11 - PACKAGED, SMALL-CAPACITY, ROOFTOP AIR-CONDITIONING  
UNITS  
SECTION 238239.16 - PROPELLER UNIT HEATERS

## DIVISION 26 - ELECTRICAL

SECTION 260519 - LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES  
SECTION 260526 - GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS  
SECTION 260529 - HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS  
SECTION 260533.13 - CONDUITS FOR ELECTRICAL SYSTEMS  
SECTION 260533.16 - BOXES AND COVERS FOR ELECTRICAL SYSTEMS  
SECTION 260544 - SLEEVES AND SLEEVE SEALS FOR ELECTRICAL RACEWAYS AND  
CABLING  
SECTION 260553 - IDENTIFICATION FOR ELECTRICAL SYSTEMS  
SECTION 260923 - LIGHTING CONTROL DEVICES  
SECTION 262416 - PANELBOARDS  
SECTION 262726 - WIRING DEVICES  
SECTION 262816 - ENCLOSED SWITCHES AND CIRCUIT BREAKERS  
SECTION 262913.03 - MANUAL AND MAGNETIC MOTOR CONTROLLERS  
SECTION 265119 - LED INTERIOR LIGHTING  
SECTION 265619 - EXTERIOR LIGHTING

## DIVISION 31 - EARTHWORK

SECTION 311000 - SITE CLEARING  
SECTION 312000 - EARTH MOVING  
SECTION 313116 - TERMITE CONTROL

## DIVISION 32 - EXTERIOR IMPROVEMENTS

SECTION 321216 - ASPHALT PAVING  
SECTION 321313 - CONCRETE PAVING  
SECTION 321373 - CONCRETE PAVING JOINT SEALANTS  
SECTION 321723 - PAVEMENT MARKINGS  
SECTION 323113 - CHAIN LINK FENCES AND GATES  
SECTION 329113 - SOIL PREPARATION  
SECTION 329200 - TURF AND GRASSES  
SECTION 329300 - PLANTS

## DIVISION 33 - UTILITIES

SECTION 330500 - COMMON WORK RESULTS FOR UTILITIES  
SECTION 334200 - STORMWATER CONVEYANCE

## SECTION 004323 - ALTERNATES FORM

### 1.1 BID INFORMATION

- A. Bidder: \_\_\_\_\_.
- B. Prime Contract: \_\_\_\_\_.
- C. Project Name: The Salvation Army - Niles.
- D. Project Location: 1707 Miller Dr., Nile MI 49120.
- E. Owner: The Salvation Army.
- F. Owner Project Number: 22-0578.
- G. Architect: Arvin Delacruz.
- H. Architect Project Number: 22-0578.

### 1.2 DESCRIPTION

- A. The undersigned Bidder proposes the amount below be added to or deducted from the Base Bid if particular alternates are accepted by Owner. Amounts listed for each alternate include costs of related coordination, modification, or adjustment.
- B. If the alternate does not affect the Contract Sum, the Bidder shall indicate "NO CHANGE."
- C. Owner reserves the right to accept or reject any alternate, in any order, and to award or amend the Contract accordingly within [60] days of the Notice of Award unless otherwise indicated in the Contract Documents.
- D. Acceptance or non-acceptance of any alternates by the Owner shall have no effect on the Contract Time unless the "Schedule of Alternates" Article below provides a formatted space for the adjustment of the Contract Time.

### 1.3 SCHEDULE OF ALTERNATES

- A. Alternate No. 01: EXTERIOR SHEATHING:
  - 1. ADD\_\_\_\_ DEDUCT\_\_\_\_ NO CHANGE\_\_\_\_ NOT APPLICABLE\_\_\_\_.
  - 2. \_\_\_\_\_ Dollars  
(\$\_\_\_\_\_).
  - 3. ADD\_\_\_\_ DEDUCT\_\_\_\_ calendar days to adjust the Contract Time for this alternate.

B. Alternate No. 02: OFF STREET PARKING:

1. ADD \_\_\_\_ DEDUCT \_\_\_\_ NO CHANGE \_\_\_\_ NOT APPLICABLE \_\_\_\_.
2. \_\_\_\_\_ Dollars  
(\$\_\_\_\_\_).

Retain subparagraph below if provision for adjustment of the Contract Time for the alternate is required.

3. ADD \_\_\_\_ DEDUCT \_\_\_\_ calendar days to adjust the Contract Time for this alternate.

1.4 SUBMISSION OF BID SUPPLEMENT

- A. Respectfully submitted this \_\_\_\_ day of \_\_\_\_\_, 2023.
- B. Submitted By: \_\_\_\_\_ (Insert name of bidding firm or corporation).
- C. Authorized Signature: \_\_\_\_\_ (Handwritten signature).
- D. Signed By: \_\_\_\_\_ (Type or print name).
- E. Title: \_\_\_\_\_ (Owner/Partner/President/Vice President).

END OF DOCUMENT 004323

# DRAFT AIA® Document A101® – 2017

## Standard Form of Agreement Between Owner and Contractor where the basis of payment is a Stipulated Sum

AGREEMENT made as of the  day of  in the year  2023»  
(In words, indicate day, month and year.)

BETWEEN the Owner:  
(Name, legal status, address and other information)

The Salvation Army, An Illinois Corporation  
5550 Prairie Stone Pkwy  
Hoffman Estates, IL 60192

and the Contractor:  
(Name, legal status, address and other information)

for the following Project:  
(Name, location and detailed description)

SA Project Number: 19-40-14-001  
The Salvation Army – Niles  
1707 Miller Dr.  
Niles, MI 49120

The Architect:  
(Name, legal status, address and other information)

Abonmarche Consultants, Inc.  
315 W. Jefferson Blvd.  
South Bend, IN 46601

The Owner and Contractor agree as follows.

### ADDITIONS AND DELETIONS:

The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

The parties should complete A101®-2017, Exhibit A, Insurance and Bonds, contemporaneously with this Agreement. AIA Document A201®-2017, General Conditions of the Contract for Construction, is adopted in this document by reference. Do not use with other general conditions unless this document is modified.

**ELECTRONIC COPYING** of any portion of this AIA® Document to another electronic file is prohibited and constitutes a violation of copyright laws as set forth in the footer of this document.

## TABLE OF ARTICLES

1	THE CONTRACT DOCUMENTS
2	THE WORK OF THIS CONTRACT
3	DATE OF COMMENCEMENT AND SUBSTANTIAL COMPLETION
4	CONTRACT SUM
5	PAYMENTS
6	DISPUTE RESOLUTION
7	TERMINATION OR SUSPENSION
8	MISCELLANEOUS PROVISIONS
9	ENUMERATION OF CONTRACT DOCUMENTS

## EXHIBIT A INSURANCE AND BONDS

### ARTICLE 1 THE CONTRACT DOCUMENTS

The Contract Documents consist of this Agreement, Conditions of the Contract (General, Supplementary, and other Conditions), Drawings, Specifications, Addenda issued prior to execution of this Agreement, other documents listed in this Agreement, and Modifications issued after execution of this Agreement, all of which form the Contract, and are as fully a part of the Contract as if attached to this Agreement or repeated herein. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations, or agreements, either written or oral. An enumeration of the Contract Documents, other than a Modification, appears in Article 9.

### ARTICLE 2 THE WORK OF THIS CONTRACT

The Contractor shall fully execute the Work described in the Contract Documents, except as specifically indicated in the Contract Documents to be the responsibility of others.

### ARTICLE 3 DATE OF COMMENCEMENT AND SUBSTANTIAL COMPLETION

§ 3.1 The date of commencement of the Work shall be:

*(Check one of the following boxes.)*

- ☐ [ « » ] The date of this Agreement.
- ☐ [ « » ] A date set forth in a notice to proceed issued by the Owner.
- ☐ [ « » ] Established as follows:  
*(Insert a date or a means to determine the date of commencement of the Work.)*

« »

If a date of commencement of the Work is not selected, then the date of commencement shall be the date of this Agreement.

§ 3.2 The Contract Time shall be measured from the date of commencement of the Work.

#### § 3.3 Substantial Completion

§ 3.3.1 Subject to adjustments of the Contract Time as provided in the Contract Documents, the Contractor shall achieve Substantial Completion of the entire Work:

*(Check one of the following boxes and complete the necessary information.)*

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[ « » ] Not later than « » ( « » ) calendar days from the date of commencement of the Work.

[ « » ] By the following date: « »

§ 3.3.2 Subject to adjustments of the Contract Time as provided in the Contract Documents, if portions of the Work are to be completed prior to Substantial Completion of the entire Work, the Contractor shall achieve Substantial Completion of such portions by the following dates:

Portion of Work	Substantial Completion Date

§ 3.3.3 If the Contractor fails to achieve Substantial Completion as provided in this Section 3.3, liquidated damages, if any, shall be assessed as set forth in Section 4.5.

#### ARTICLE 4 CONTRACT SUM

§ 4.1 The Owner shall pay the Contractor the Contract Sum in current funds for the Contractor's performance of the Contract. The Contract Sum shall be « » (\$ « » ), subject to additions and deductions as provided in the Contract Documents.

#### § 4.2 Alternates

§ 4.2.1 Alternates, if any, included in the Contract Sum:

Item	Price

§ 4.2.2 Subject to the conditions noted below, the following alternates may be accepted by the Owner following execution of this Agreement. Upon acceptance, the Owner shall issue a Modification to this Agreement.  
(Insert below each alternate and the conditions that must be met for the Owner to accept the alternate.)

Item	Price	Conditions for Acceptance

§ 4.3 Allowances, if any, included in the Contract Sum:  
(Identify each allowance.)

Item	Price

§ 4.4 Unit prices, if any:  
(Identify the item and state the unit price and quantity limitations, if any, to which the unit price will be applicable.)

Item	Units and Limitations	Price per Unit (\$0.00)

§ 4.5 Liquidated damages, if any:  
(Insert terms and conditions for liquidated damages, if any.)

«Liquidated Damages in the amount of \$500 per calendar day, every day past the Final Completion Date listed above, will be charged to the General Contractor until the project is completed and both parties are in agreement that all Work and Punch List items are complete. Contractor may submit notification of supply chain delays affecting the schedule for Owner and Architect review. Approved delays will not affect the Liquidated Damages. »

§ 4.6 Other:  
(Insert provisions for bonus or other incentives, if any, that might result in a change to the Contract Sum.)



« »

## ARTICLE 5 PAYMENTS

### § 5.1 Progress Payments

§ 5.1.1 Based upon Applications for Payment submitted to the Architect by the Contractor and Certificates for Payment issued by the Architect, the Owner shall make progress payments on account of the Contract Sum to the Contractor as provided below and elsewhere in the Contract Documents.

§ 5.1.2 The period covered by each Application for Payment shall be one calendar month ending on the last day of the month, or as follows:

« »

§ 5.1.3 Provided that an Application for Payment submitted via AIA G702 and G703 Documents, is received by the Owner from the Consultant is received by the Architect not later than the « 5th » day of a month, the Owner shall make payment of the amount certified to the Contractor not later than the « last day of the same » day of the « » month. If an Application for Payment is received by the Architect after the application date fixed above, payment of the amount certified shall be made by the Owner not later than « Thirty » ( « 30 » ) days after the Architect receives the Application for Payment.

*(Federal, state or local laws may require payment within a certain period of time.)*

§ 5.1.4 Each Application for Payment shall be based on the most recent schedule of values submitted by the Contractor in accordance with the Contract Documents. The schedule of values shall allocate the entire Contract Sum among the various portions of the Work. The schedule of values shall be prepared in such form, and supported by such data to substantiate its accuracy, as the Architect may require. This schedule of values shall be used as a basis for reviewing the Contractor's Applications for Payment.

§ 5.1.5 Applications for Payment shall show the percentage of completion of each portion of the Work as of the end of the period covered by the Application for Payment.

§ 5.1.6 In accordance with AIA Document A201™–2017, General Conditions of the Contract for Construction, and subject to other provisions of the Contract Documents, the amount of each progress payment shall be computed as follows:

§ 5.1.6.1 The amount of each progress payment shall first include:

- .1 That portion of the Contract Sum properly allocable to completed Work as determined by multiplying the percentage completion of each portion of the Work by the share of the Contract Sum allocated to that portion of the Work in the schedule of values, less retainage of Ten percent (10%). Pending final determination of cost to the Owner of changes in the Work, amounts not in dispute shall be included as provided in Section 7.3.9 of AIA Document A201-2007, General Conditions of the Contract for Construction;
- .2 Add ~~that~~ that portion of the Contract Sum properly allocable to materials and equipment delivered and suitably stored at the site for subsequent incorporation in the completed construction, or, if approved in advance by the Owner, suitably stored off the site at a location agreed upon in writing, less retainage of Ten percent (10%); and
- .3 Add ~~that~~ that portion of Construction Change Directives that the Architect determines, in the Architect's professional judgment, to be reasonably justified.

§ 5.1.6.2 The amount of each progress payment shall then be reduced by:

- .1 The aggregate of any amounts previously paid by the Owner;
- .2 The amount, if any, for Work that remains uncorrected and for which the Architect has previously withheld a Certificate for Payment as provided in Article 9 of AIA Document A201–2017;
- .3 Any amount for which the Contractor does not intend to pay a Subcontractor or material supplier, unless the Work has been performed by others the Contractor intends to pay;
- .4 For Work performed or defects discovered since the last payment application, any amount for which the Architect may withhold payment, or nullify a Certificate of Payment in whole or in part, as provided in Article 9 of AIA Document A201–2017; and

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.5 Retainage withheld pursuant to Section 5.1.7.

§ 5.1.7 Retainage

§ 5.1.7.1 For each progress payment made prior to Substantial Completion of the Work, the Owner may withhold the following amount, as retainage, from the payment otherwise due:

*(Insert a percentage or amount to be withheld as retainage from each Application for Payment. The amount of retainage may be limited by governing law.)*

« »

§ 5.1.7.1.1 The following items are not subject to retainage:

*(Insert any items not subject to the withholding of retainage, such as general conditions, insurance, etc.)*

« »

§ 5.1.7.2 Reduction or limitation of retainage, if any, shall be as follows stated in Articles 5.1.6 and 5.1.7.:

*(If the retainage established in Section 5.1.7.1 is to be modified prior to Substantial Completion of the entire Work, including modifications for Substantial Completion of portions of the Work as provided in Section 3.3.2, insert provisions for such modifications.)*

« »

§ 5.1.7.3 Except as set forth in this Section 5.1.7.3, upon Substantial Completion of the Work, the Contractor may submit an Application for Payment that includes the retainage withheld from prior Applications for Payment pursuant to this Section 5.1.7. The Application for Payment submitted at Substantial Completion shall not include retainage as follows:

*(Insert any other conditions for release of retainage upon Substantial Completion.)*

« »

§ 5.1.8 If final completion of the Work is materially delayed through no fault of the Contractor, the Owner shall pay the Contractor any additional amounts in accordance with Article 9 of AIA Document A201–2017.

§ 5.1.9 ~~Except with the Owner's prior approval, the~~ Contractor shall not make advance payments to suppliers for materials or equipment which have not been delivered and stored at the site.

§ 5.2 Final Payment

§ 5.2.1 Final payment, constituting the entire unpaid balance of the Contract Sum, shall be made by the Owner to the Contractor when

- .1 the Contractor has fully performed the Contract except for the Contractor's responsibility to correct Work as provided in Article 12 of AIA Document A201–2017, and to satisfy other requirements, if any, which extend beyond final payment; and
- .2 a final Certificate for Payment has been issued by the Architect.
- .3 the Contractor has advanced to the Architect, and in turn the Architect has transmitted to the Owner, though not necessarily limited to the following: AIA G706, (G707 & G707A given the Bonds required for the Project, reference Article 10), and a Certificate of Occupancy (or like legal instrument) from those having issued the Permit or having jurisdiction giving written indication that the Work does conform with Contract Documents the Permit was issued for.

§ 5.2.2 The Owner's final payment to the Contractor shall be made no later than 30 days after the issuance of the Architect's final Certificate for Payment, or as follows:

« »

§ 5.3 Interest

Payments due and unpaid under the Contract shall bear interest from the date payment is due at the rate stated below, or in the absence thereof, at the legal rate prevailing from time to time at the place where the Project is located.

*(Insert rate of interest agreed upon, if any.)*

« Twelve Percent (12%) » per Annum or One Percent (1%) per Month »

## ARTICLE 6 DISPUTE RESOLUTION

### § 6.1 Initial Decision Maker

The Architect will serve as the Initial Decision Maker pursuant to Article 15 of AIA Document A201–2017, unless the parties appoint below another individual, not a party to this Agreement, to serve as the Initial Decision Maker.

*(If the parties mutually agree, insert the name, address and other contact information of the Initial Decision Maker, if other than the Architect.)*

« »  
« »  
« »  
« »

### § 6.2 Binding Dispute Resolution

For any Claim subject to, but not resolved by, mediation pursuant to Article 15 of AIA Document A201–2017, the method of binding dispute resolution shall be as follows:

*(Check the appropriate box.)*

[ ☐ ] Arbitration pursuant to Section 15.4 of AIA Document A201–2017

[ ☒ ] Litigation in a court of competent jurisdiction

[ ☐ ] Other *(Specify)*

« »

If the Owner and Contractor do not select a method of binding dispute resolution, or do not subsequently agree in writing to a binding dispute resolution method other than litigation, Claims will be resolved by litigation in a court of competent jurisdiction.

## ARTICLE 7 TERMINATION OR SUSPENSION

§ 7.1 The Contract may be terminated by the Owner or the Contractor as provided in Article 14 of AIA Document A201–2017. Article 14.4.3 of the AIA 201 is herein modified to read as follows: In case of such termination, the Contractor shall be entitled to receive payment for Work executed, and reasonable costs incurred by reason of such termination.

§ 7.1.1 If the Contract is terminated for the Owner's convenience in accordance with Article 14 of AIA Document A201–2017, then the Owner shall pay the Contractor a termination fee as follows:

*(Insert the amount of, or method for determining, the fee, if any, payable to the Contractor following a termination for the Owner's convenience.)*

« »

§ 7.2 The Work may be suspended by the Owner as provided in Article 14 of AIA Document A201–2017.

## ARTICLE 8 MISCELLANEOUS PROVISIONS

§ 8.1 Where reference is made in this Agreement to a provision of AIA Document A201–2017 or another Contract Document, the reference refers to that provision as amended or supplemented by other provisions of the Contract Documents.

§ 8.2 The Owner's representative: The Owner herein establishes that the Owner's Representative, to transmit and secure reviews, approvals, acceptances and like requirements, to, from, and of the owner is to be:  
(Name, address, email address, and other information)

« »  
« »  
« »  
« »  
« »  
« »

§ 8.3 The Contractor's representative:  
(Name, address, email address, and other information)

« »  
« »  
« »  
« »  
« »  
« »

§ 8.4 Neither the Owner's nor the Contractor's representative shall be changed without ten days' prior notice to the other party.

#### § 8.5 Insurance and Bonds

§ 8.5.1 The Owner and the Contractor shall purchase and maintain insurance as set forth in AIA Document A101™–2017, Standard Form of Agreement Between Owner and Contractor where the basis of payment is a Stipulated Sum, Exhibit A, Insurance and Bonds, and elsewhere in the Contract Documents.

§ 8.5.2 The Contractor shall provide bonds as set forth in AIA Document A101™–2017 Exhibit A, and elsewhere in the Contract Documents.

§ 8.6 Notice in electronic format, pursuant to Article 1 of AIA Document A201–2017, may be given in accordance with AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, if completed, or as otherwise set forth below:

(If other than in accordance with AIA Document E203–2013, insert requirements for delivering notice in electronic format such as name, title, and email address of the recipient and whether and how the system will be required to generate a read receipt for the transmission.)

« »

§ 8.7 Other provisions:

«Any changes to the Contract Sum and Contract Time will only be reviewed and accepted by the Owner via the Owner's "Contract Change Directive" (CCD) form or the submission of an AIA G701 Change Order. [The CCD form will be provided to the Contractor by the Owner's Representative, (Reference Article 8.3)] »

#### ARTICLE 9 ENUMERATION OF CONTRACT DOCUMENTS

§ 9.1 This Agreement is comprised of the following documents:

- .1 AIA Document A101™–2017, Standard Form of Agreement Between Owner and Contractor
- .2 AIA Document A101™–2017, Exhibit A, Insurance and Bonds
- .3 AIA Document A201™–2017, General Conditions of the Contract for Construction
- .4 AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, dated as indicated below:

(Insert the date of the E203-2013 incorporated into this Agreement.)

« »

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.5 Drawings

Number	Title	Date

.6 Specifications

Section	Title	Date	Pages

.7 Addenda, if any:

Number	Date	Pages

Portions of Addenda relating to bidding or proposal requirements are not part of the Contract Documents unless the bidding or proposal requirements are also enumerated in this Article 9.

.8 Other Exhibits:

*(Check all boxes that apply and include appropriate information identifying the exhibit where required.)*

☐ AIA Document E204™-2017, Sustainable Projects Exhibit, dated as indicated below:  
*(Insert the date of the E204-2017 incorporated into this Agreement.)*

☐

☐ The Sustainability Plan:

Title	Date	Pages

☐ Supplementary and other Conditions of the Contract:

Document	Title	Date	Pages

.9 Other documents, if any, listed below:

*(List here any additional documents that are intended to form part of the Contract Documents. AIA Document A201™-2017 provides that the advertisement or invitation to bid, Instructions to Bidders, sample forms, the Contractor's bid or proposal, portions of Addenda relating to bidding or proposal requirements, and other information furnished by the Owner in anticipation of receiving bids or proposals, are not part of the Contract Documents unless enumerated in this Agreement. Any such documents should be listed here only if intended to be part of the Contract Documents.)*

☐

This Agreement entered into as of the day and year first written above.

OWNER (Signature)

CONTRACTOR (Signature)

« »« »

(Printed name and title)

« »« »

(Printed name and title)

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Contractor and or Owner's Representative,  
Are to route any inquiries regarding this  
Agreement to the Owner via:

The Salvation Army  
Architectural Services Office  
Attn:  
5550 Prairie Stone Parkway, 3S 307  
Hoffman Estates, IL 60192  
T 847 294 2142

Contractor's License No.

Contractor's License Expiration Date

FREEBID

# DRAFT AIA® Document A312® – 2010

## Payment Bond

### CONTRACTOR:

(Name, legal status and address)

« »  
« »

### SURETY:

(Name, legal status and principal place of business)

« »  
« »

### OWNER:

(Name, legal status and address)

« »  
« »

### CONSTRUCTION CONTRACT

Date: « »

Amount: \$ «0.00»

Description:

(Name and location)

«The Salvation Army (Niles)»

«SA Project Number: 19-40-14-001 »

### BOND

Date:

(Not earlier than Construction Contract Date)

« »

Amount: \$ « »

Modifications to this Bond: « » None « » See Section 18

### CONTRACTOR AS PRINCIPAL

Company: (Corporate Seal)

### SURETY

Company: (Corporate Seal)

Signature:

Name and « »

Title:

(Any additional signatures appear on the last page of this Payment Bond.)

Signature:

Name and « »

Title:

(FOR INFORMATION ONLY — Name, address and telephone)

### AGENT or BROKER:

« »  
« »  
« »

### OWNER'S REPRESENTATIVE:

(Architect, Engineer or other party:)

« »  
« »  
« »  
« »  
« »  
« »

**ADDITIONS AND DELETIONS:** The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

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§ 1 The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Owner to pay for labor, materials and equipment furnished for use in the performance of the Construction Contract, which is incorporated herein by reference, subject to the following terms.

§ 2 If the Contractor promptly makes payment of all sums due to Claimants, and defends, indemnifies and holds harmless the Owner from claims, demands, liens or suits by any person or entity seeking payment for labor, materials or equipment furnished for use in the performance of the Construction Contract, then the Surety and the Contractor shall have no obligation under this Bond.

§ 3 If there is no Owner Default under the Construction Contract, the Surety's obligation to the Owner under this Bond shall arise after the Owner has promptly notified the Contractor and the Surety (at the address described in Section 13) of claims, demands, liens or suits against the Owner or the Owner's property by any person or entity seeking payment for labor, materials or equipment furnished for use in the performance of the Construction Contract and tendered defense of such claims, demands, liens or suits to the Contractor and the Surety.

§ 4 When the Owner has satisfied the conditions in Section 3, the Surety shall promptly and at the Surety's expense defend, indemnify and hold harmless the Owner against a duly tendered claim, demand, lien or suit.

§ 5 The Surety's obligations to a Claimant under this Bond shall arise after the following:

§ 5.1 Claimants, who do not have a direct contract with the Contractor,

- .1 have furnished a written notice of non-payment to the Contractor, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were, or equipment was, furnished or supplied or for whom the labor was done or performed, within ninety (90) days after having last performed labor or last furnished materials or equipment included in the Claim; and
- .2 have sent a Claim to the Surety (at the address described in Section 13).

§ 5.2 Claimants, who are employed by or have a direct contract with the Contractor, have sent a Claim to the Surety (at the address described in Section 13).

§ 6 If a notice of non-payment required by Section 5.1.1 is given by the Owner to the Contractor, that is sufficient to satisfy a Claimant's obligation to furnish a written notice of non-payment under Section 5.1.1.

§ 7 When a Claimant has satisfied the conditions of Sections 5.1 or 5.2, whichever is applicable, the Surety shall promptly and at the Surety's expense take the following actions:

§ 7.1 Send an answer to the Claimant, with a copy to the Owner, within sixty (60) days after receipt of the Claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed; and

§ 7.2 Pay or arrange for payment of any undisputed amounts.

§ 7.3 The Surety's failure to discharge its obligations under Section 7.1 or Section 7.2 shall not be deemed to constitute a waiver of defenses the Surety or Contractor may have or acquire as to a Claim, except as to undisputed amounts for which the Surety and Claimant have reached agreement. If, however, the Surety fails to discharge its obligations under Section 7.1 or Section 7.2, the Surety shall indemnify the Claimant for the reasonable attorney's fees the Claimant incurs thereafter to recover any sums found to be due and owing to the Claimant.

§ 8 The Surety's total obligation shall not exceed the amount of this Bond, plus the amount of reasonable attorney's fees provided under Section 7.3, and the amount of this Bond shall be credited for any payments made in good faith by the Surety.

§ 9 Amounts owed by the Owner to the Contractor under the Construction Contract shall be used for the performance of the Construction Contract and to satisfy claims, if any, under any construction performance bond. By the Contractor furnishing and the Owner accepting this Bond, they agree that all funds earned by the Contractor in the performance of the Construction Contract are dedicated to satisfy obligations of the Contractor and Surety under this Bond, subject to the Owner's priority to use the funds for the completion of the work.



§ 10 The Surety shall not be liable to the Owner, Claimants or others for obligations of the Contractor that are unrelated to the Construction Contract. The Owner shall not be liable for the payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligation to make payments to, or give notice on behalf of, Claimants or otherwise have any obligations to Claimants under this Bond.

§ 11 The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders and other obligations.

§ 12 No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the state in which the project that is the subject of the Construction Contract is located or after the expiration of one year from the date (1) on which the Claimant sent a Claim to the Surety pursuant to Section 5.1.2 or 5.2, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this Paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

§ 13 Notice and Claims to the Surety, the Owner or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears. Actual receipt of notice or Claims, however accomplished, shall be sufficient compliance as of the date received.

§ 14 When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

§ 15 Upon request by any person or entity appearing to be a potential beneficiary of this Bond, the Contractor and Owner shall promptly furnish a copy of this Bond or shall permit a copy to be made.

## § 16 Definitions

§ 16.1 Claim. A written statement by the Claimant including at a minimum:

- .1 the name of the Claimant;
- .2 the name of the person for whom the labor was done, or materials or equipment furnished;
- .3 a copy of the agreement or purchase order pursuant to which labor, materials or equipment was furnished for use in the performance of the Construction Contract;
- .4 a brief description of the labor, materials or equipment furnished;
- .5 the date on which the Claimant last performed labor or last furnished materials or equipment for use in the performance of the Construction Contract;
- .6 the total amount earned by the Claimant for labor, materials or equipment furnished as of the date of the Claim;
- .7 the total amount of previous payments received by the Claimant; and
- .8 the total amount due and unpaid to the Claimant for labor, materials or equipment furnished as of the date of the Claim.

§ 16.2 Claimant. An individual or entity having a direct contract with the Contractor or with a subcontractor of the Contractor to furnish labor, materials or equipment for use in the performance of the Construction Contract. The term Claimant also includes any individual or entity that has rightfully asserted a claim under an applicable mechanic's lien or similar statute against the real property upon which the Project is located. The intent of this Bond shall be to include without limitation in the terms "labor, materials or equipment" that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental equipment used in the Construction Contract, architectural and engineering services required for performance of the work of the Contractor and the Contractor's subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials or equipment were furnished.

§ 16.3 Construction Contract. The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and all changes made to the agreement and the Contract Documents.

§ 16.4 **Owner Default.** Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

§ 16.5 **Contract Documents.** All the documents that comprise the agreement between the Owner and Contractor.

§ 17 If this Bond is issued for an agreement between a Contractor and subcontractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

§ 18 Modifications to this bond are as follows:

« »

*(Space is provided below for additional signatures of added parties, other than those appearing on the cover page.)*

**CONTRACTOR AS PRINCIPAL**

Company:

(Corporate Seal)

**SURETY**

Company:

(Corporate Seal)

Signature:

Name and Title:

Address:

« »« »

« »

Signature:

Name and Title:

Address:

« »« »

« »

# DRAFT AIA® Document A312® – 2010

## Performance Bond

### CONTRACTOR:

(Name, legal status and address)

« »« »  
« »

### SURETY:

(Name, legal status and principal place of business)

« »« »  
« »

### OWNER:

(Name, legal status and address)

« »« »  
« »

### CONSTRUCTION CONTRACT

Date: « »

Amount: \$ «0.00»

Description:

(Name and location)

«The Salvation Army (Niles)»

« SA Project Number: 19-40-14-001 →»

### BOND

Date:

(Not earlier than Construction Contract Date)

« »

Amount: \$ « »

Modifications to this Bond: « » None « » See Section 16

### CONTRACTOR AS PRINCIPAL

Company: (Corporate Seal)

Signature:

Name and « »« »

Title:

(Any additional signatures appear on the last page of this Performance Bond.)

### SURETY

Company: (Corporate Seal)

Signature:

Name and « »« »

Title:

(FOR INFORMATION ONLY — Name, address and telephone)

### AGENT or BROKER:

« »  
« »  
« »

### OWNER'S REPRESENTATIVE:

(Architect, Engineer or other party:)

« »  
« »  
« »  
« »  
« »  
« »

**ADDITIONS AND DELETIONS:** The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

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§ 1 The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Owner for the performance of the Construction Contract, which is incorporated herein by reference.

§ 2 If the Contractor performs the Construction Contract, the Surety and the Contractor shall have no obligation under this Bond, except when applicable to participate in a conference as provided in Section 3.

§ 3 If there is no Owner Default under the Construction Contract, the Surety's obligation under this Bond shall arise after

- .1 the Owner first provides notice to the Contractor and the Surety that the Owner is considering declaring a Contractor Default. Such notice shall indicate whether the Owner is requesting a conference among the Owner, Contractor and Surety to discuss the Contractor's performance. If the Owner does not request a conference, the Surety may, within five (5) business days after receipt of the Owner's notice, request such a conference. If the Surety timely requests a conference, the Owner shall attend. Unless the Owner agrees otherwise, any conference requested under this Section 3.1 shall be held within ten (10) business days of the Surety's receipt of the Owner's notice. If the Owner, the Contractor and the Surety agree, the Contractor shall be allowed a reasonable time to perform the Construction Contract, but such an agreement shall not waive the Owner's right, if any, subsequently to declare a Contractor Default;
- .2 the Owner declares a Contractor Default, terminates the Construction Contract and notifies the Surety; and
- .3 the Owner has agreed to pay the Balance of the Contract Price in accordance with the terms of the Construction Contract to the Surety or to a contractor selected to perform the Construction Contract.

§ 4 Failure on the part of the Owner to comply with the notice requirement in Section 3.1 shall not constitute a failure to comply with a condition precedent to the Surety's obligations, or release the Surety from its obligations, except to the extent the Surety demonstrates actual prejudice.

§ 5 When the Owner has satisfied the conditions of Section 3, the Surety shall promptly and at the Surety's expense take one of the following actions:

§ 5.1 Arrange for the Contractor, with the consent of the Owner, to perform and complete the Construction Contract;

§ 5.2 Undertake to perform and complete the Construction Contract itself, through its agents or independent contractors;

§ 5.3 Obtain bids or negotiated proposals from qualified contractors acceptable to the Owner for a contract for performance and completion of the Construction Contract, arrange for a contract to be prepared for execution by the Owner and a contractor selected with the Owner's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Construction Contract, and pay to the Owner the amount of damages as described in Section 7 in excess of the Balance of the Contract Price incurred by the Owner as a result of the Contractor Default; or

§ 5.4 Waive its right to perform and complete, arrange for completion, or obtain a new contractor and with reasonable promptness under the circumstances:

- .1 After investigation, determine the amount for which it may be liable to the Owner and, as soon as practicable after the amount is determined, make payment to the Owner; or
- .2 Deny liability in whole or in part and notify the Owner, citing the reasons for denial.

§ 6 If the Surety does not proceed as provided in Section 5 with reasonable promptness, the Surety shall be deemed to be in default on this Bond seven days after receipt of an additional written notice from the Owner to the Surety demanding that the Surety perform its obligations under this Bond, and the Owner shall be entitled to enforce any remedy available to the Owner. If the Surety proceeds as provided in Section 5.4, and the Owner refuses the payment or the Surety has denied liability, in whole or in part, without further notice the Owner shall be entitled to enforce any remedy available to the Owner.

§ 7 If the Surety elects to act under Section 5.1, 5.2 or 5.3, then the responsibilities of the Surety to the Owner shall not be greater than those of the Contractor under the Construction Contract, and the responsibilities of the Owner to the Surety shall not be greater than those of the Owner under the Construction Contract. Subject to the commitment by the Owner to pay the Balance of the Contract Price, the Surety is obligated, without duplication, for

- .1 the responsibilities of the Contractor for correction of defective work and completion of the Construction Contract;
- .2 additional legal, design professional and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under Section 5; and
- .3 liquidated damages, or if no liquidated damages are specified in the Construction Contract, actual damages caused by delayed performance or non-performance of the Contractor.

§ 8 If the Surety elects to act under Section 5.1, 5.3 or 5.4, the Surety's liability is limited to the amount of this Bond.

§ 9 The Surety shall not be liable to the Owner or others for obligations of the Contractor that are unrelated to the Construction Contract, and the Balance of the Contract Price shall not be reduced or set off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than the Owner or its heirs, executors, administrators, successors and assigns.

§ 10 The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders and other obligations.

§ 11 Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the location in which the work or part of the work is located and shall be instituted within two years after a declaration of Contractor Default or within two years after the Contractor ceased working or within two years after the Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this Paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

§ 12 Notice to the Surety, the Owner or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears.

§ 13 When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

#### § 14 Definitions

§ 14.1 **Balance of the Contract Price.** The total amount payable by the Owner to the Contractor under the Construction Contract after all proper adjustments have been made, including allowance to the Contractor of any amounts received or to be received by the Owner in settlement of insurance or other claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Construction Contract.

§ 14.2 **Construction Contract.** The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and changes made to the agreement and the Contract Documents.

§ 14.3 **Contractor Default.** Failure of the Contractor, which has not been remedied or waived, to perform or otherwise to comply with a material term of the Construction Contract.

§ 14.4 **Owner Default.** Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

§ 14.5 **Contract Documents.** All the documents that comprise the agreement between the Owner and Contractor.

**§ 16** Modifications to this bond are as follows:

1

## TERRITORIAL PROPERTY DEPARTMENT

**The Salvation Army-Niles**  
**19-40-14-001**

**000**

The attached documentation / description is a proposed "Change" to the contracted Work. The GC/CM herein provides detailed cost and time 'breakdowns', to support this **(ADD) (DEDUCT) (CLARIFICATION)**. The Project Team is hereby notified of this proposed change and, unless otherwise directed, the GC/CM shall be responsible for the coordination and/or correction of any work affecting this change that proceeds prior to the Owner's final decision regarding this proposal.

In order to expedite the Work and avoid delays, which could affect Contract Sum or Contract Time, this request to proceed promptly with the described Work, is based on the "field" estimate stated or attached herein, to accomplish the following **(ADD) (DEDUCT) (CLARIFICATION)** to the Work.

Once approved/accepted by the Owner, this CCD is to be incorporated into a Change Order via AIA Document G701-2001, and once the CO is signed by the Owner then the CO is to be included into the GC/CM's next Application and Certificate for Payment (AIA Document G702-2001).

As an **(addition) (deduction) (no change)** of \$\_\_\_\_\_ to the Contract Sum.  
As an **(increase) (decrease) (no change)** of \_\_\_\_\_ days to the Contract Time.

As an **(addition) (deduction) (no change)** of \$ \_\_\_\_\_ to the Contract Sum.  
As an **(increase) (decrease) (no change)** of \_\_\_\_\_ days to the Contract Time.

We have reviewed the Contractor's **(proposal)** **(estimate)** for the change described above and recommend your **(approval)** **(disapproval)** of the Contract Sum, and **(approval)** **(disapproval)** of Contract Time.

We have reviewed the A/E recommendation regarding the **(proposal) (estimate)** for the change described above and recommend your **(approval) (disapproval)** of Contract Sum, and **(approval) (disapproval)** of Contract Time.

**OWNERS (TSA / THQ) ACTION .....From: TSA / THQ                      To: TSA / DHQ**  
The Contractor is **(authorized) (not authorized)** to proceed with the work and the contract adjustments is to be formalized in the next upcoming Change Order.

**THE SALVATION ARMY**  
Territorial Headquarters  
5550 Prairie Stone Pkwy  
Hoffman Estates IL, 60192

**CONTRACT CHANGE  
DIRECTIVE**

**TERRITORIAL PROPERTY DEPARTMENT**

By: \_\_\_\_\_

Date: \_\_\_\_\_

**THE SALVATION ARMY**  
Territorial Headquarters  
5550 Prairie Stone Pkwy  
Hoffman Estates IL, 60192



## SECTION 012300 - ALTERNATES

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

#### 1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
  - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
  - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

#### 1.4 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
  - 1. Include, as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation, whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other Work of the Contract.
- C. Schedule: A Part 3 "Schedule of Alternates" Article is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate No. 01: EXTERIOR SHEATHING.

1. Base Bid: PROVIDE ZIP R-6 INSULATED SHEATHING AT EXTERIOR WALLS AND ½" ZIP SHEATHING AT GABLE ROOF as indicated on Drawing T1.1 and as specified in Section 61600 "SHEATHING."
2. Alternate: IN LIEU OF BASE BID, AT WALLS PROVIDE 1" T&G XPS RIGID INSULATION OVER ¾" PLYWOOD EXTERIOR WALL SHEATHING. PROVIDE TAPE AT INSULATION PERIMETER AND AT ALL JOINTS, OPENINGS, ETC... TO FORM A COMPLETE WEATHER BARRIER SYSTEM. AT GABLE ROOF PROVIDE ¾" PLYWOOD SHEATHING WITH "H" CLIPS OVER POLYISOCYANURATE RIGID ROOF INSULATION.

B. Alternate No. 02: OFF STREET PARKING.

1. Base Bid: PROVIDE 46 PARKING SPACES OFF STREET as indicated on Drawing C2.0.
2. Alternate: IN ADDITION TO BASE BID, PROVIDE (14) EXTRA SPACES ON THE WEST PARKING LOT INCREASING THE TOTAL OFF STREET PARKING TO (60) SPACES.

END OF SECTION

**SECTION 087100 - DOOR HARDWARE**

PART 1 - GENERAL

PART 2 - SUMMARY

PART 3 - Section includes:

PART 4 - Mechanical and electrified door hardware.

PART 5 - Electronic access control system components.

PART 6 - Section excludes:

PART 7 - Windows

PART 8 - Cabinets (casework), including locks in cabinets

PART 9 - Signage

PART 10 - Toilet accessories

PART 11 - Overhead doors

PART 12 - Related Sections:

PART 13 - Division 01 Section "Alternates" for alternates affecting this section.

PART 14 - Division 06 Section "Rough Carpentry"

PART 15 - Division 06 Section "Finish Carpentry"

PART 16 - Division 07 Section "Joint Sealants" for sealant requirements applicable to threshold installation specified in this section.

PART 17 - Division 08 Sections:

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July 31, 2023

DOOR HARDWARE

087100

2

PART 18 - "Metal Doors and Frames"

PART 19 - "Flush Wood Doors"

PART 20 - "Stile and Rail Wood Doors"

PART 21 - "Interior Aluminum Doors and Frames"

PART 22 - "Aluminum-Framed Entrances and Storefronts"

PART 23 - Division 26 "Electrical" sections for connections to electrical power system and for low-voltage wiring.

PART 24 - Division 28 "Electronic Safety and Security" sections for coordination with other components of electronic access control system and fire alarm system.

PART 25 - REFERENCES

PART 26 - UL, LLC

PART 27 - UL 10B - Fire Test of Door Assemblies

PART 28 - UL 10C - Positive Pressure Test of Fire Door Assemblies

PART 29 - UL 1784 - Air Leakage Tests of Door Assemblies

PART 30 - UL 305 - Panic Hardware

PART 31 - DHI - Door and Hardware Institute

PART 32 - Sequence and Format for the Hardware Schedule

PART 33 - Recommended Locations for Builders Hardware

PART 34 - Keying Systems and Nomenclature

PART 35 - Installation Guide for Doors and Hardware

PART 36 - NFPA - National Fire Protection Association

PART 37 - NFPA 70 - National Electric Code

PART 38 - NFPA 80 - 2016 Edition - Standard for Fire Doors and Other Opening Protectives

PART 39 - NFPA 101 - Life Safety Code

PART 40 - NFPA 105 - Smoke and Draft Control Door Assemblies

PART 41 - NFPA 252 - Fire Tests of Door Assemblies

PART 42 - ANSI - American National Standards Institute

PART 43 - ANSI A117.1 - 2017 Edition - Accessible and Usable Buildings and Facilities

PART 44 - ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties

PART 45 - ANSI/BHMA A156.28 - Recommended Practices for Keying Systems

PART 46 - ANSI/WDMA I.S. 1A - Interior Architectural Wood Flush Doors

PART 47 - ANSI/SDI A250.8 - Standard Steel Doors and Frames

PART 48 - SUBMITTALS

PART 49 - General:

PART 50 - Submit in accordance with Conditions of Contract and Division 01 Submittal Procedures.

PART 51 - Prior to forwarding submittal:

PART 52 - Comply with procedures for verifying existing door and frame compatibility for new hardware, as specified in PART 3, "EXAMINATION" article, herein.

PART 53 - Review drawings and Sections from related trades to verify compatibility with specified hardware.

PART 54 - Highlight, encircle, or otherwise specifically identify on submittals: deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.

PART 55 - Action Submittals:

PART 56 - Product Data: Submit technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.

PART 57 - Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:

PART 58 - Wiring Diagrams: For power, signal, and control wiring and including:

PART 59 - Details of interface of electrified door hardware and building safety and security systems.

PART 60 - Schematic diagram of systems that interface with electrified door hardware.

PART 61 - Point-to-point wiring.

PART 62 - Risers.

PART 63 - Samples for Verification: If requested by Architect, submit production sample of requested door hardware unit in finish indicated and tagged with full description for coordination with schedule.

PART 64 - Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.

PART 65 - Door Hardware Schedule:

PART 66 - Submit concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work critical in Project construction schedule.

PART 67 - Submit under direct supervision of a Door Hardware Institute (DHI) certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule published by DHI.

PART 68 - Indicate complete designations of each item required for each opening, include:

PART 69 - Door Index: door number, heading number, and Architect's hardware set number.

PART 70 - Quantity, type, style, function, size, and finish of each hardware item.

PART 71 - Name and manufacturer of each item.

PART 72 - Fastenings and other pertinent information.

PART 73 - Location of each hardware set cross-referenced to indications on Drawings.

PART 74 - Explanation of all abbreviations, symbols, and codes contained in schedule.

PART 75 - Mounting locations for hardware.

PART 76 - Door and frame sizes and materials.



PART 77 - Degree of door swing and handing.

PART 78 - Operational Description of openings with electrified hardware covering egress, ingress (access), and fire/smoke alarm connections.

PART 79 - Key Schedule:

PART 80 - After Keying Conference, provide keying schedule that includes levels of keying, explanations of key system's function, key symbols used, and door numbers controlled.

PART 81 - Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.

PART 82 - Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.

PART 83 - Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.

PART 84 - Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion. Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.

PART 85 - Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.

PART 86 - Informational Submittals:

PART 87 - Provide Qualification Data for Supplier, Installer and Architectural Hardware Consultant.

PART 88 - Provide Product Data:

PART 89 - Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.

PART 90 - Include warranties for specified door hardware.

PART 91 - Closeout Submittals:

PART 92 - Operations and Maintenance Data: Provide in accordance with Division 01 and include:

PART 93 - Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.

PART 94 - Catalog pages for each product.

PART 95 - Final approved hardware schedule edited to reflect conditions as installed.

PART 96 - Final keying schedule

PART 97 - Copy of warranties including appropriate reference numbers for manufacturers to identify project.

PART 98 - As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.

PART 99 - Inspection and Testing:

PART 100 - Submit written reports to the Owner and Authority Having Jurisdiction (AHJ) of the results of functional testing and inspection for:

PART 101 - fire door assemblies, in compliance with NFPA 80.

PART 102 - required egress door assemblies, in compliance with NFPA 101.

PART 103 - QUALITY ASSURANCE

PART 104 - Qualifications and Responsibilities:

PART 105 - Supplier: Recognized architectural hardware supplier with a minimum of 5 years documented experience supplying both mechanical and electromechanical door hardware similar in quantity, type, and quality to that indicated for this Project. Supplier to be recognized as a factory direct distributor by the manufacturer of the primary materials with a warehousing facility in the Project's vicinity. Supplier to have on staff, a certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) available to Owner, Architect, and Contractor, at reasonable times during the Work for consultation.

PART 106 - Installer: Qualified tradesperson skilled in the application of commercial grade hardware with experience installing door hardware similar in quantity, type, and quality as indicated for this Project.

PART 107 - Architectural Hardware Consultant: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:

PART 108 - For door hardware: DHI certified AHC or DHC.

PART 109 - Can provide installation and technical data to Architect and other related subcontractors.

PART 110 - Can inspect and verify components are in working order upon completion of installation.

PART 111 - Capable of producing wiring diagram and coordinating installation of electrified hardware with Architect and electrical engineers.

PART 112 - Single Source Responsibility: Obtain each type of door hardware from single manufacturer.

PART 113 - Certifications:

PART 114 - Fire-Rated Door Openings:

PART 115 - Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction.

PART 116 - Provide only items of door hardware that are listed products tested by UL LLC, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.

PART 117 - Smoke and Draft Control Door Assemblies:

PART 118 - Provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105

PART 119 - Comply with the maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at tested pressure differential of 0.3-inch wg (75 Pa) of water.

PART 120 - Electrified Door Hardware

PART 121 - Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.

PART 122 - Accessibility Requirements:

PART 123 - Comply with governing accessibility regulations cited in "REFERENCES" article 087100, 1.02.D3 herein for door hardware on doors in an accessible route. This project must comply with all Federal Americans with Disability Act regulations and all Local Accessibility Regulations.

PART 124 - Pre-Installation Meetings

PART 125 - Keying Conference

PART 126 - Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:

PART 127 - Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.

PART 128 - Preliminary key system schematic diagram.

PART 129 - Requirements for key control system.

PART 130 - Requirements for access control.

PART 131 - Address for delivery of keys.

PART 132 - Pre-installation Conference

PART 133 - Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.

PART 134 - Inspect and discuss preparatory work performed by other trades.

PART 135 - Inspect and discuss electrical roughing-in for electrified door hardware.

PART 136 - Review sequence of operation for each type of electrified door hardware.

PART 137 - Review required testing, inspecting, and certifying procedures.

PART 138 - Review questions or concerns related to proper installation and adjustment of door hardware.

PART 139 - Electrified Hardware Coordination Conference:

PART 140 - Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.

PART 141 - DELIVERY, STORAGE, AND HANDLING

PART 142 - Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site. Promptly replace products damaged during shipping.

PART 143 - Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package. Deliver each article of hardware in manufacturer's original packaging.

PART 144 - Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.

PART 145 - Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.

PART 146 - Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.

PART 147 - Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

#### PART 148 - COORDINATION

PART 149 - Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.

PART 150 - Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

PART 151 - Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.

PART 152 - Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

PART 153 - Existing Openings: Where existing doors, frames and/or hardware are to remain, field verify existing functions, conditions and preparations and coordinate to suit opening conditions and to provide proper door operation.

#### PART 154 - WARRANTY

PART 155 - Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within published warranty period.

PART 156 - Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.

**PART 157** - Warranty Period: Beginning from date of Substantial Completion, for durations indicated in manufacturer's published listings.

PART 158 - Mechanical Warranty

PART 159 - Locks

PART 160 - Schlage L Series: 3 years

PART 161 - Schlage ND Series: 10 years

PART 162 - Exit Devices

PART 163 - Von Duprin: 3 years

PART 164 - Closers

PART 165 - LCN 4000 Series: 30 years

PART 166 - Electrical Warranty

PART 167 - Exit Devices

PART 168 - Von Duprin: 1 year

PART 169 - MAINTENANCE

PART 170 - Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.

PART 171 - Turn over unused materials to Owner for maintenance purposes.

## PART 172 - PRODUCTS

## PART 173 - MANUFACTURERS

PART 174 - Approval of alternate manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category are only to be considered by official substitution request in accordance in section 012500.

PART 175 - Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.

PART 176 - Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

## PART 177 - MATERIALS

## PART 178 - Fabrication

PART 179 - Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. provide screws according to manufacturer's recognized installation standards for application intended.

PART 180 - Finish exposed screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.

PART 181 - Provide concealed fasteners wherever possible for hardware units exposed when door is closed. Coordinate with "Metal Doors and Frames", "Flush Wood Doors", "Stile and Rail Wood Doors" to ensure proper reinforcements. Advise the Architect where visible fasteners, such as thru bolts, are required.



PART 182 - Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.

PART 183 - Where fasteners are exposed to view: Finish to match adjacent door hardware material.

PART 184 - HINGES

PART 185 - Manufacturers and Products:

PART 186 - Scheduled Manufacturer and Product:

PART 187 - Ives 5BB series

PART 188 - Acceptable Manufacturers and Products:

PART 189 - Hager BB1191/1279 series

PART 190 - McKinney TB series

PART 191 - Requirements:

PART 192 - Provide hinges conforming to ANSI/BHMA A156.1.

PART 193 - Provide five knuckle, ball bearing hinges.

PART 194 - 1-3/4 inch thick doors, up to and including 36 inches wide:

PART 195 - Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches high

PART 196 - Interior: Standard weight, steel, 4-1/2 inches high

PART 197 - 1-3/4 inch thick doors over 36 inches wide:

PART 198 - Exterior: Heavy weight, bronze/stainless steel, 5 inches high

PART 199 - Interior: Heavy weight, steel, 5 inches high

199.1 2 inches or thicker doors:

PART 200 - Exterior: Heavy weight, bronze or stainless steel, 5 inches high

PART 201 - Interior: Heavy weight, steel, 5 inches high

PART 202 - Adjust hinge width for door, frame, and wall conditions to allow proper degree of opening.

PART 203 - Provide three hinges per door leaf for doors 90 inches or less in height, and one additional hinge for each 30 inches of additional door height.

PART 204 - Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing frame.

PART 205 - Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:

PART 206 - Steel Hinges: Steel pins

PART 207 - Non-Ferrous Hinges: Stainless steel pins

PART 208 - Out-Swinging Exterior Doors: Non-removable pins

PART 209 - Out-Swinging Interior Lockable Doors: Non-removable pins

PART 210 - Interior Non-lockable Doors: Non-rising pins

PART 211 - CONTINUOUS HINGES

PART 212 - Manufacturers:

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July 31, 2023

DOOR HARDWARE  
087100  
16

PART 213 - Scheduled Manufacturer:

PART 214 - Ives

PART 215 - Acceptable Manufacturers:

PART 216 - Select

PART 217 - Requirements:

PART 218 - Provide aluminum geared continuous hinges conforming to ANSI/BHMA A156.26, Grade 1.

PART 219 - Provide aluminum geared continuous hinges, where specified in the hardware sets, fabricated from 6063-T6 aluminum.

PART 220 - Provide split nylon bearings at each hinge knuckle for quiet, smooth, self-lubricating operation.

PART 221 - Provide hinges capable of supporting door weights up to 450 pounds, and successfully tested for 1,500,000 cycles.

PART 222 - On fire-rated doors, provide aluminum geared continuous hinges classified for use on rated doors by testing agency acceptable to authority having jurisdiction.

PART 223 - Provide aluminum geared continuous hinges with electrified option scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.

PART 224 - Provide hinges 1 inch shorter in length than nominal height of door, unless otherwise noted or door details require shorter length and with symmetrical hole pattern.

PART 225 - ELECTRIC POWER TRANSFER

PART 226 - Manufacturers:

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July 31, 2023

DOOR HARDWARE

087100

17

PART 227 - Scheduled Manufacturer and Product:

PART 228 - Von Duprin EPT-10

PART 229 - Acceptable Manufacturers and Products:

PART 230 - Securitron CEPT-10

PART 231 - Security Door Controls PTM

PART 232 - Requirements:

PART 233 - Provide power transfer with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.

PART 234 - Locate electric power transfer per manufacturer's template and UL requirements, unless interference with operation of door or other hardware items.

PART 235 - FLUSH BOLTS

PART 236 - Manufacturers:

PART 237 - Scheduled Manufacturer:

PART 238 - Ives

PART 239 - Acceptable Manufacturers:

PART 240 - Burns

PART 241 - Rockwood

PART 242 - Requirements:

PART 243 - Provide automatic, constant latching, and manual flush bolts with forged bronze or stainless-steel face plates, extruded brass levers, and with wrought brass guides and strikes. Provide 12 inch steel or brass rods at doors up to 90 inches in height. For doors over 90 inches in height increase top rods by 6 inches for each additional 6 inches of door height. Provide dust-proof strikes at each bottom flush bolt.

#### PART 244 - MORTISE LOCKS

PART 245 - Manufacturers and Products:

PART 246 - Scheduled Manufacturer and Product:

PART 247 - Schlage L9000 series

PART 248 - Acceptable Manufacturers and Products:

PART 249 - Sargent 8200 series

PART 250 - Corbin-Russwin ML2000 series

PART 251 - Requirements:

PART 252 - Provide mortise locks conforming to ANSI/BHMA A156.13 Series 1000, Grade 1, and UL Listed for 3-hour fire doors.

PART 253 - Indicators: Where specified, provide indicator window measuring a minimum 2-inch x 1/2 inch with 180-degree visibility. Provide messages color-coded with full text and/or symbols, as scheduled, for easy visibility.

PART 254 - Provide locks manufactured from heavy gauge steel, containing components of steel with a zinc dichromate plating for corrosion resistance.

PART 255 - Provide lock case that is multi-function and field reversible for handing without opening case. Cylinders: Refer to "KEYING" article, herein.

PART 256 - Provide locks with standard 2-3/4 inches backset with full 3/4 inch throw stainless steel mechanical anti-friction latchbolt. Provide deadbolt with full 1-inch throw, constructed of stainless steel.

PART 257 - Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.

PART 258 - Lever Trim: Solid brass, bronze, or stainless steel, cast or forged in design specified, with wrought roses and external lever spring cages. Provide thru-bolted levers with 2-piece spindles.

PART 259 - Lever Design: 17B.

PART 260 - CYLINDRICAL LOCKS - GRADE 1

PART 261 - Manufacturers and Products:

PART 262 - Scheduled Manufacturer and Product:

PART 263 - Schlage ND series

PART 264 - Acceptable Manufacturers and Products:

PART 265 - Sargent 11-Line series

PART 266 - Corbin-Russwin CL3100 series

PART 267 - Requirements:

PART 268 - Provide cylindrical locks conforming to ANSI/BHMA A156.2 Series 4000, Grade 1, and UL Listed for 3-hour fire doors.

PART 269 - Cylinders: Refer to "KEYING" article, herein.

PART 270 - Provide locks with standard 2-3/4 inches backset, unless noted otherwise, with 1/2-inch latch throw. Provide proper latch throw for UL listing at pairs.

PART 271 - Provide locksets with separate anti-rotation thru-bolts, and no exposed screws.

PART 272 - Provide independently operating levers with two external return spring cassettes mounted under roses to prevent lever sag.

PART 273 - Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.

PART 274 - Provide electrified options as scheduled in the hardware sets.

PART 275 - Lever Trim: Solid cast levers without plastic inserts and wrought roses on both sides.

PART 276 - Lever Design: SPA (Sparta).

PART 277 - Sliding Door Locks:

PART 278 - Manufacturers:

PART 279 - Scheduled Manufacturer:

PART 280 - Accurate

PART 281 - Acceptable Manufacturers and Products:

PART 282 - Hafele

PART 283 - KN Crowder

PART 284 - Requirements:

PART 285 - Provide mortise sliding door locks with standard 2-3/4 inches backset.

PART 286 - Cylinders: Refer to "KEYING" article, herein.

PART 287 - Provide manufacturer's standard strike.

PART 288 - EXIT DEVICES

PART 289 - Manufacturers and Products:

**PART 290** - Scheduled Manufacturer and Product:

**PART 291** - Von Duprin **98/35A series**

PART 292 - Acceptable Manufacturers and Products:

PART 293 - Sargent 19-43-GL-80 series

PART 294 - Falcon 25/24 series

PART 295 - Requirements:

PART 296 - Provide exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware.

PART 297 - Cylinders: Refer to "KEYING" article, herein.

PART 298 - Provide smooth touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.

PART 299 - Touchpad must extend a minimum of one half of door width. No plastic inserts are allowed in touchpads.

PART 300 - Provide exit devices with deadlatching feature for security and for future addition of alarm kits and/or other electrified requirements.

PART 301 - Provide exit devices with weather resistant components that can withstand harsh conditions of various climates and corrosive cleaners used in outdoor pool environments.



PART 302 - Provide flush end caps for exit devices.

PART 303 - Provide exit devices with manufacturer's approved strikes.

PART 304 - Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.

PART 305 - Mount mechanism case flush on face of doors or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.

PART 306 - Provide cylinder or hex-key dogging as specified at non fire-rated openings.

PART 307 - Removable Mullions: 2 inches x 3 inches steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.

PART 308 - Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.

PART 309 - Provide electrified options as scheduled.

PART 310 - Top latch mounting: double- or single-tab mount for steel doors, face mount for aluminum doors eliminating requirement of tabs, and double tab mount for wood doors.

PART 311 - Provide exit devices with optional trim designs to match other lever and pull designs used on the project.

**PART 312 - Special Options:**

PART 313 - Provide dogging indicators for visible indication of dogging status.

PART 314 - ACCESS CONTROL READER

PART 315 - Manufacturers and Products:

PART 316 - Scheduled Manufacturer and Product:

PART 317 - Schlage MTB Series (Basis of Design)

PART 318 - Requirements:

PART 319 - Provide access control card readers manufactured by a global company who is a recognized leader in the production of access control devices. Card reader manufactured for non-access control applications are not acceptable.

PART 320 - Provide multi-technology contactless readers complying with ISO 14443.

PART 321 - Provide access control card readers capable of reading the following technologies:

PART 322 - CSN - DESFire® CSN, HID iCLASS® CSN, Inside Contactless PicoTag® CSN, ST Microelectronics® CSN, Texas Instruments Tag-It®, CSN, Phillips I-Code® CSN

322.1 125 KHz proximity - Schlage® Proximity, HID® Proximity, GE/CASI® Proximity, AWID® Proximity, LenelProx®

322.2 13.56 MHz Smart card - Schlage smart cards using MIFARE Classic® EV1/EV3, Schlage smart cards using MIFARE Plus®, Schlage smart cards using MIFARE® DESFire® EV1/EV3, Schlage smart cards using MIFARE® DESFire® EV2/EV3

322.3 13.56 MHz NFC (mobile), 2.45 GHz Bluetooth (mobile) - Mobile means compatible with Bluetooth and NFC-enabled smartphones.

PART 323 - ELECTRIC STRIKES

PART 324 - Manufacturers and Products:

PART 325 - Scheduled Manufacturer and Product:

PART 326 - Von Duprin 6000 series

PART 327 - Acceptable Manufacturers and Products:

The Salvation Army, an Illinois Corporation  
22-0578 The Salvation Army - Niles  
July 31, 2023

DOOR HARDWARE

087100

24

PART 328 - HES 1006 series

PART 329 - Requirements:

PART 330 - Provide electric strikes designed for use with type of locks shown at each opening.

PART 331 - Provide electric strikes UL Listed as burglary resistant that are tested to a minimum endurance test of 1,000,000 cycles.

PART 332 - Where required, provide electric strikes UL Listed for fire doors and frames.

PART 333 - Provide transformers and rectifiers for each strike as required. Verify voltage with electrical contractor.

PART 334 - PUSHBUTTONS

PART 335 - Manufacturers and Products:

PART 336 - Scheduled Manufacturer and Product:

PART 337 - Schlage 660 series

PART 338 - Acceptable Manufacturers and Products:

PART 339 - Security Door Controls D15 series

PART 340 - Alarm Controls TS series

PART 341 - Requirements:

PART 342 - Provide push buttons as specified in hardware groups.

PART 343 - POWER SUPPLIES

PART 344 - Manufacturers and Products:

PART 345 - Scheduled Manufacturer and Product:

PART 346 - Schlage/Von Duprin PS900 series

PART 347 - Acceptable Manufacturers and Products:

PART 348 - Securitron BPS series

PART 349 - Security Door Controls 600 series

PART 350 - Requirements:

PART 351 - Provide power supplies approved by manufacturer of supplied electrified hardware.

PART 352 - Provide appropriate quantity of power supplies necessary for proper operation of electrified locking components as recommended by manufacturer of electrified locking components with consideration for each electrified component using power supply, location of power supply, and approved wiring diagrams. Locate power supplies as directed by Architect.

PART 353 - Provide regulated and filtered 24 VDC power supply, and UL class 2 listed.

PART 354 - Provide power supplies with the following features:

PART 355 - 12/24 VDC Output, field selectable.

PART 356 - Class 2 Rated power limited output.

PART 357 - Universal 120-240 VAC input.

PART 358 - Low voltage DC, regulated and filtered.

PART 359 - Polarized connector for distribution boards.

PART 360 - Fused primary input.

PART 361 - AC input and DC output monitoring circuit w/LED indicators.

PART 362 - Cover mounted AC Input indication.

PART 363 - Tested and certified to meet UL294.

PART 364 - NEMA 1 enclosure.

PART 365 - Hinged cover w/lock down screws.

PART 366 - High voltage protective cover.

PART 367 - CYLINDERS

PART 368 - Manufacturers and Products:

**PART 369** - Scheduled Manufacturer and Product:

**PART 370** - Schlage Everest 29 T

PART 371 - Acceptable Manufacturers and Products:

PART 372 - Corbin-Russwin Patented and Restricted Keyway

PART 373 - Sargent DG2

PART 374 - Requirements:

PART 375 - Provide cylinders/cores compliant with ANSI/BHMA A156.5; latest revision; cylinder face finished to match lockset; manufacturer's series as indicated. Refer to "KEYING" article, herein.

PART 376 - Provide cylinders in the below-listed configuration(s), distributed throughout the Project as indicated.

PART 377 - Patented Restricted: cylinder with **permanent** core with patented, restricted keyway for locks.

PART 378 - Patented Restricted: cylinder with **interchangeable** core with patented, restricted keyway for exit devices and keyed removable mullions.

PART 379 - Patent Protection: Cylinders/cores requiring use of restricted, patented keys, patent protected.

PART 380 - Nickel silver bottom pins.

PART 381 - KEYING

**PART 382 - Scheduled System:**

**PART 383 - New factory registered system:**

PART 384 - Provide a factory registered keying system, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.

PART 385 - Requirements:

PART 386 - Construction Keying (as required):

PART 387 - Temporary Construction Cylinder Keying for locks:

PART 388 - Provide construction cores that permit voiding construction keys without cylinder removal, furnished in accordance with the following requirements.

PART 389 - Split Key or Lost Ball Construction Keying System.

389.1 3 construction control keys, and extractor tools or keys as required to void construction keying.

The Salvation Army, an Illinois Corporation  
22-0578 The Salvation Army - Niles  
July 31, 2023

DOOR HARDWARE  
087100  
28

389.2 12 construction change (day) keys.

PART 390 - Owner or Owner's Representative will void operation of temporary construction keys.

PART 391 - Replaceable Construction Cores for panic hardware and keyed removable mullions.

PART 392 - Provide temporary construction cores replaceable by permanent cores, furnished in accordance with the following requirements.

392.1 3 construction control keys

392.2 12 construction change (day) keys.

PART 393 - Owner or Owner's Representative will replace temporary construction cores with permanent cores.

PART 394 - Permanent Keying:

PART 395 - Provide permanent cylinders/cores keyed by the manufacturer according to the following key system.

PART 396 - Master Keying system as directed by the Owner.

PART 397 - Forward bitting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements will be cause for replacement of cylinders/cores involved at no additional cost to Owner.

PART 398 - Provide keys with the following features:

PART 399 - Material: Nickel silver; minimum thickness of .107-inch (2.3mm)

PART 400 - Patent Protection: Keys and blanks protected by one or more utility patent(s).

PART 401 - Identification:

PART 402 - Mark permanent cylinders/cores and keys with applicable blind code for identification. Do not provide blind code marks with actual key cuts.

PART 403 - Identification stamping provisions must be approved by the Architect and Owner.

PART 404 - Stamp cylinders/cores and keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE" along with the "PATENTED" or patent number to enforce the patent protection.

PART 405 - Failure to comply with stamping requirements will be cause for replacement of keys involved at no additional cost to Owner.

PART 406 - Forward permanent cylinders/cores to Owner, separately from keys, by means as directed by Owner.

PART 407 - Quantity: Furnish in the following quantities.

PART 408 - Change (Day) Keys: 3 per cylinder/core.

PART 409 - Permanent Control Keys (IC cores): 3.

PART 410 - Master Keys: 6.

PART 411 - KEY CONTROL SYSTEM

PART 412 - Manufacturers:

PART 413 - Scheduled Manufacturer:

PART 414 - Telkee

PART 415 - Acceptable Manufacturers:

PART 416 - HPC



PART 417 - Lund

PART 418 - Requirements:

PART 419 - Provide key control system, including envelopes, labels, tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet, all as recommended by system manufacturer, with capacity for 150% of number of locks required for Project.

PART 420 - Provide complete cross index system set up by hardware supplier, and place keys on markers and hooks in cabinet as determined by final key schedule.

PART 421 - Provide hinged-panel type cabinet for wall mounting.

PART 422 - DOOR CLOSERS

PART 423 - Manufacturers and Products:

PART 424 - Scheduled Manufacturer and Product:

PART 425 - LCN 4010/4110/4020 series

PART 426 - Acceptable Manufacturers and Products:

PART 427 - Corbin-Russwin DC8000 series

PART 428 - Sargent 281 series

PART 429 - Requirements:

PART 430 - Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. Certify surface mounted mechanical closers to meet fifteen million (15,000,000) full load cycles. ISO 9000 certify closers. Stamp units with date of manufacture code.

PART 431 - Provide door closers with fully hydraulic, full rack and pinion action with high strength cast iron cylinder, and full complement bearings at shaft.

PART 432 - Cylinder Body: 1-1/2-inch diameter with 11/16-inch diameter double heat-treated pinion journal.

PART 433 - Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.

PART 434 - Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.

PART 435 - Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck.

PART 436 - Provide closers with solid forged steel main arms and factory assembled heavy-duty forged forearms for parallel arm closers. When closers are parallel arm mounted, provide closers which mount within 6-inch top rail without use of mounting plate so that closer is not visible through vision panel from pull side.

PART 437 - Pressure Relief Valve (PRV) Technology: Not permitted.

PART 438 - Finish for Closer Cylinders, Arms, Adapter Plates, and Metal Covers: Powder coating finish which has been certified to exceed 100 hours salt spray testing as described in ANSI/BHMA Standard A156.4 and ASTM B117, or has special rust inhibitor (SRI).

PART 439 - Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

PART 440 - Through-bolt all wood door closers.

PART 441 - DOOR TRIM

PART 442 - Manufacturers:

PART 443 - Scheduled Manufacturer:

The Salvation Army, an Illinois Corporation  
22-0578 The Salvation Army - Niles  
July 31, 2023

DOOR HARDWARE  
087100  
32

PART 444 - Ives

PART 445 - Acceptable Manufacturers:

PART 446 - Burns

PART 447 - Rockwood

PART 448 - Requirements:

PART 449 - Provide push plates, push bars, pull plates, pulls, and hands-free reversible door pulls with diameter and length as scheduled.

PART 450 - PROTECTION PLATES

PART 451 - Manufacturers:

PART 452 - Scheduled Manufacturer:

PART 453 - Ives

PART 454 - Acceptable Manufacturers:

PART 455 - Burns

PART 456 - Rockwood

PART 457 - Requirements:

PART 458 - Provide protection plates with a minimum of 0.050 inch thick, beveled four edges as scheduled. Furnish with sheet metal or wood screws, finished to match plates.

PART 459 - Sizes plates 2 inches (51 mm) less width of door on single doors, pairs of doors with a mullion, and doors with edge guards. Size plates 1 inch (25 mm) less width of door on pairs without a mullion or edge guards.

The Salvation Army, an Illinois Corporation  
22-0578 The Salvation Army - Niles  
July 31, 2023

DOOR HARDWARE

087100

33

PART 460 - At fire rated doors, provide protection plates over 16 inches high with UL label.

#### PART 461 - OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS

PART 462 - Manufacturers:

PART 463 - Scheduled Manufacturers:

PART 464 - Glynn-Johnson

PART 465 - Acceptable Manufacturers:

PART 466 - Rixson

PART 467 - ABH

PART 468 - Requirements:

PART 469 - Provide overhead stop at any door where conditions do not allow for a wall stop or floor stop presents tripping hazard.

PART 470 - Provide friction type at doors without closer and positive type at doors with closer.

#### PART 471 - DOOR STOPS AND HOLDERS

PART 472 - Manufacturers:

PART 473 - Scheduled Manufacturer:

PART 474 - Ives

PART 475 - Acceptable Manufacturers:

PART 476 - Burns

The Salvation Army, an Illinois Corporation  
22-0578 The Salvation Army - Niles  
July 31, 2023

DOOR HARDWARE

087100

34

PART 477 - Rockwood

PART 478 - Provide door stops at each door leaf:

PART 479 - Provide wall stops wherever possible. Provide concave type where lockset has a push button or thumbturn.

PART 480 - Where a wall stop cannot be used, provide overhead stops.

PART 481 - THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

PART 482 - Manufacturers:

PART 483 - Scheduled Manufacturer:

PART 484 - Zero International

PART 485 - Acceptable Manufacturers:

PART 486 - National Guard

PART 487 - Reese

PART 488 - Requirements:

PART 489 - Provide thresholds, weather-stripping, and gasketing systems as specified and per architectural details. Match finish of other items.

PART 490 - Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.

PART 491 - Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.

PART 492 - Size thresholds 1/2 inch high by 5 inches wide by door width unless otherwise specified in the hardware sets or detailed in the drawings.

PART 493 - SILENCERS

PART 494 - Manufacturers:

PART 495 - Scheduled Manufacturer:

PART 496 - Ives

PART 497 - Acceptable Manufacturers:

PART 498 - Burns

PART 499 - Rockwood

PART 500 - Requirements:

PART 501 - Provide "push-in" type silencers for hollow metal or wood frames.

PART 502 - Provide one silencer per 30 inches of height on each single frame, and two for each pair frame.

PART 503 - Omit where gasketing is specified.

PART 504 - FINISHES

PART 505 - Finish: Generally, Satin Chromium BHMA 626/652 (US26D). Provide finish for each item as indicated in sets.

PART 506 - EXECUTION

PART 507 - EXAMINATION

PART 508 - Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. Verify doors, frames, and walls have been properly reinforced for hardware installation.

PART 509 - Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions.

PART 510 - Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

PART 511 - Submit a list of deficiencies in writing and proceed with installation only after unsatisfactory conditions have been corrected.

#### PART 512 - INSTALLATION

PART 513 - Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.

PART 514 - Standard Steel Doors and Frames: ANSI/SDI A250.8.

PART 515 - Custom Steel Doors and Frames: HMMA 831.

PART 516 - Interior Architectural Wood Flush Doors: ANSI/WDMA I.S. 1A

PART 517 - Installation Guide for Doors and Hardware: DHI TDH-007-20

PART 518 - Install door hardware in accordance with NFPA 80, NFPA 101 and provide post-install inspection, testing as specified in section 1.03.E unless otherwise required to comply with governing regulations.

PART 519 - Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.

PART 520 - Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.

PART 521 - Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.

PART 522 - Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

PART 523 - Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.

PART 524 - Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated.

PART 525 - Lock Cylinders:

PART 526 - Install construction cores to secure building and areas during construction period.

PART 527 - Replace construction cores with permanent cores as indicated in keying section.

PART 528 - **Furnish permanent cores to Owner for installation.**

PART 529 - Wiring: Coordinate with Division 26, ELECTRICAL and Division 28 ELECTRONIC SAFETY AND SECURITY sections for:

PART 530 - Conduit, junction boxes and wire pulls.

PART 531 - Connections to and from power supplies to electrified hardware.

PART 532 - Connections to fire/smoke alarm system and smoke evacuation system.

PART 533 - Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.

PART 534 - Connections to panel interface modules, controllers, and gateways.

PART 535 - Testing and labeling wires with Architect's opening number.



PART 536 - Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.

PART 537 - Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.

PART 538 - Closer/Holders: Mount closer/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.

PART 539 - Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.

PART 540 - Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."

PART 541 - Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.

PART 542 - Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.

PART 543 - Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

PART 544 - Door Bottoms and Sweeps: Apply to bottom of door, forming seal with threshold when door is closed.

#### PART 545 - ADJUSTING

PART 546 - Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

PART 547 - Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly engage lock bolt.

PART 548 - Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.

PART 549 - Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

#### PART 550 - CLEANING AND PROTECTION

PART 551 - Clean adjacent surfaces soiled by door hardware installation.

PART 552 - Clean operating items per manufacturer's instructions to restore proper function and finish.

PART 553 - Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

#### PART 554 - DOOR HARDWARE SCHEDULE

PART 555 - The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.

PART 556 - Discrepancies, conflicting hardware, and missing items are to be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application.

PART 557 - Hardware items are referenced in the following hardware schedule. Refer to the above specifications for special features, options, cylinders/keying, and other requirements.

#### PART 558 - Hardware Sets:

Hardware Group No. 01

For use on Door #(s):

109-A

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	•	652	IVE
1	EA	PRIVACY W/DEADBOLT	L9440 17B 09-544 L283-722	•	626	SCH
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	•	630	IVE
1	EA	WALL STOP	WS406/407CVX	•	630	IVE
1	EA	GASKETING	488S	•	BK	ZER

Hardware Group No. 02

For use on Door #(s):

117-A          118-A          119-A          122-A          123-A          124-A

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	•	652	IVE
1	EA	PRIVACY W/DEADBOLT	L9440 17B 09-544 L283-722	•	626	SCH
1	EA	SURFACE CLOSER	4011	•	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	•	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	•	630	IVE
1	EA	WALL STOP	WS406/407CVX	•	630	IVE
1	EA	GASKETING	488S	•	BK	ZER

Hardware Group No. 03

For use on Door #(s):

104-A          105-A          106-A          107-A          108-A          114-A  
115-A

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	•	652	IVE
1	EA	ENTRANCE LOCK	ND53PD SPA - EV29 T	•	626	SCH
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	•	630	IVE
1	EA	WALL STOP	WS406/407CVX	•	630	IVE
3	EA	SILENCER	SR64	•	GRY	IVE

Hardware Group No. 04

For use on Door #(s):

113-A

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
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QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	•	652	IVE
1	EA	ENTRANCE LOCK	ND53PD SPA - EV29 T	•	626	SCH
1	EA	OH STOP	410S	•	630	GLY
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	•	630	IVE
3	EA	SILENCER	SR64	•	GRY	IVE

Hardware Group No. 05

For use on Door #(s):

111-A

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5	•	652	IVE
1	EA	ENTRANCE LOCK	ND53PD SPA - EV29 T	•	626	SCH
1	EA	OH STOP	100S	•	630	GLY
1	EA	SURFACE CLOSER	4011 ST-1544	•	689	LCN
1	EA	MOUNTING PLATE	4020-18	•	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	•	630	IVE
3	EA	SILENCER	SR64	•	GRY	IVE

Hardware Group No. 06

For use on Door #(s):

128-A

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
3	EA	HINGE	5BB1HWSC 4.5	•	652	IVE
1	EA	ENTRANCE LOCK	ND53PD SPA - EV29 T	•	626	SCH
1	EA	OH STOP & HOLDER	100HP	•	630	GLY
1	EA	SURFACE CLOSER	4011 DEL ST-1544	•	689	LCN
1	EA	MOUNTING PLATE	4020-18	•	689	LCN
1	EA	ARMOR PLATE	8400 34" X 2" LDW B-CS	•	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	•	630	IVE
3	EA	SILENCER	SR64	•	GRY	IVE

Hardware Group No. 07

For use on Door #(s):

The Salvation Army, an Illinois Corporation  
22-0578 The Salvation Army - Niles  
July 31, 2023

DOOR HARDWARE

087100

42

132-A

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 NRP	•	652	IVE
1	EA	CONST LATCHING BOLT	FB51P	•	630	IVE
1	EA	DUST PROOF STRIKE	DP2	•	626	IVE
1	EA	CLASSROOM LOCK	ND70PD SPA - EV29 T	•	626	SCH
1	EA	OH STOP	410S	•	630	GLY
1	EA	WALL STOP	WS406/407CVX	•	630	IVE
2	EA	SILENCER	SR64	•	GRY	IVE

Hardware Group No. 08

For use on Door #(s):

112-A

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	•	652	IVE
1	EA	CLASSROOM LOCK	ND70PD SPA - EV29 T	•	626	SCH
1	EA	SURFACE CLOSER	4011	•	689	LCN
1	EA	WALL STOP/HOLDER	WS45(X)	•	626	IVE
3	EA	SILENCER	SR64	•	GRY	IVE

Hardware Group No. 09

For use on Door #(s):

128-B

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
3	EA	HINGE	5BB1HWSC 4.5 NRP	•	652	IVE
1	EA	CLASSROOM LOCK	ND70PD SPA - EV29 T	•	626	SCH
1	EA	SURFACE CLOSER	4111 DEL EDA	•	689	LCN
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	•	630	IVE
1	EA	ARMOR PLATE	8402 36" X 2" LDW B-CS	•	630	IVE
1	EA	WALL STOP	WS406/407CVX	•	630	IVE
1	EA	GASKETING	488S	•	BK	ZER

Hardware Group No. 10

For use on Door #(s):

The Salvation Army, an Illinois Corporation  
22-0578 The Salvation Army - Niles  
July 31, 2023

DOOR HARDWARE  
087100  
43

121-A						
Each to have:						
QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	•	652	IVE
1	EA	STOREROOM W/DEADBOLT	L9480P 17B 09-544 L283-722 - EV29 T	•	626	SCH
1	EA	SURFACE CLOSER	4011	•	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	•	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	•	630	IVE
1	EA	WALL STOP	WS406/407CVX	•	630	IVE
1	EA	GASKETING	488S	•	BK	ZER

Hardware Group No. 11

For use on Door #(s):

120-A						
Each to have:						
QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	•	630	IVE
1	EA	STOREROOM W/DEADBOLT	L9480P 17B 09-544 L283-722 - EV29 T	•	626	SCH
1	EA	OH STOP	410S	•	630	GLY
1	EA	SURFACE CLOSER	4011 SRI ST-1544	•	689	LCN
1	EA	MOUNTING PLATE	4020-18 SRI	•	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	•	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	•	630	IVE
1	EA	GASKETING	488S	•	BK	ZER

Hardware Group No. 12

For use on Door #(s):

126-A						
Each to have:						
QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	•	652	IVE
1	EA	STOREROOM LOCK	ND80PD SPA - EV29 T	•	626	SCH
1	EA	SURFACE CLOSER	4111 EDA	•	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	•	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	•	630	IVE

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	WALL STOP	WS406/407CVX	•	630	IVE
3	EA	SILENCER	SR64	•	GRY	IVE

Hardware Group No. 13

For use on Door #(s):

103-A

Each to have:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	•	652	IVE
1	EA	STOREROOM LOCK	ND80PD SPA - EV29 T	•	626	SCH
1	EA	ELECTRIC STRIKE	6400 FSE	• ~	630	VON
1	EA	SURFACE CLOSER	4011	•	689	LCN
1	EA	WALL STOP	WS406/407CVX	•	630	IVE
3	EA	SILENCER	SR64	•	GRY	IVE
1	EA	MULTITECH READER	MTB11/MTB15 (AS REQ'D)	• ~	BLK	SCE
1	EA	DOOR RELEASE BUTTON	660-PB	• ~	628	SCE
1	EA	LOCKDOWN BUTTON	PROVIDED BY SECURITY CONTRACTOR	~		
1	EA	POWER SUPPLY	PS906 900-8P	• ~		VON

NOTES:

1) POWER SUPPLY SHARED W/DOORS 111-B, 112-B, 125-B, 125-C, 125-D, AND 127-A.

OPERATIONAL DESCRIPTION: COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT, AND ALL RELATED TRADES.

DOOR NORMALLY CLOSED AND LOCKED VIA ACCESS CONTROL SYSTEM. PRESENTING A VALID CREDENTIAL TO THE READER OR PRESSING DOOR RELEASE BUTTON AT RECEPTION DESK WILL MOMENTARILY UNLOCK THE ELECTRIC STRIKE ALLOWING ACCESS. DOOR TO REMAIN LOCKED UPON LOSS OF POWER OR ACTIVATION OF LOCKDOWN SYSTEM. FREE EGRESS AT ALL TIMES.

Hardware Group No. 14

For use on Door #(s):

125-C

Each to have:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	•	652	IVE
1	EA	STOREROOM LOCK	ND80PD SPA - EV29 T	•	626	SCH

The Salvation Army, an Illinois Corporation

22-0578 The Salvation Army - Niles

July 31, 2023

DOOR HARDWARE

087100

45

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	ELECTRIC STRIKE	6400 FSE	• ~	630	VON
1	EA	SURFACE CLOSER	4111 EDA	•	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	•	630	IVE
1	EA	WALL STOP	WS406/407CVX	•	630	IVE
3	EA	SILENCER	SR64	•	GRY	IVE
1	EA	MULTITECH READER	MTB11/MTB15 (AS REQ'D)	• ~	BLK	SCE
1	EA	LOCKDOWN BUTTON	PROVIDED BY SECURITY CONTRACTOR	~		

NOTES:

1) POWER SUPPLY LISTED W/DOOR 103-A.

OPERATIONAL DESCRIPTION: COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT, AND ALL RELATED TRADES.

DOOR NORMALLY CLOSED AND LOCKED VIA ACCESS CONTROL SYSTEM. PRESENTING A VALID CREDENTIAL TO THE READER WILL MOMENTARILY UNLOCK THE ELECTRIC STRIKE ALLOWING ACCESS. DOOR TO REMAIN LOCKED UPON LOSS OF POWER OR ACTIVATION OF LOCKDOWN SYSTEM. FREE EGRESS AT ALL TIMES.

Hardware Group No. 15

For use on Door #(s):

125-D

Each to have:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HWSC 4.5 NRP	•	652	IVE
1	EA	STOREROOM LOCK	ND80PD SPA - EV29 T	•	626	SCH
1	EA	ELECTRIC STRIKE	6400 FSE	• ~	630	VON
1	EA	SURFACE CLOSER	4111 DEL EDA	•	689	LCN
1	EA	ARMOR PLATE	8400 34" X 2" LDW B-CS	•	630	IVE
1	EA	WALL STOP	WS406/407CVX	•	630	IVE
3	EA	SILENCER	SR64	•	GRY	IVE
1	EA	MULTITECH READER	MTB11/MTB15 (AS REQ'D)	• ~	BLK	SCE
1	EA	LOCKDOWN BUTTON	PROVIDED BY SECURITY CONTRACTOR	~		

NOTES:

1) POWER SUPPLY LISTED W/DOOR 103-A.



OPERATIONAL DESCRIPTION: COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT, AND ALL RELATED TRADES.

DOOR NORMALLY CLOSED AND LOCKED VIA ACCESS CONTROL SYSTEM. PRESENTING A VALID CREDENTIAL TO THE READER WILL MOMENTARILY UNLOCK THE ELECTRIC STRIKE ALLOWING ACCESS. DOOR TO REMAIN LOCKED UPON LOSS OF POWER OR ACTIVATION OF LOCKDOWN SYSTEM. FREE EGRESS AT ALL TIMES.

Hardware Group No. 16

For use on Door #(s):

111-B

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
3	EA	HINGE	5BB1HWSC 5 NRP	•	652	IVE
1	EA	INSTITUTION LOCK	ND82PD SPA	•	626	SCH
1	EA	ELECTRIC STRIKE	- EV29 T 6400 FSE	• ~	630	VON
1	EA	SURFACE CLOSER	4011 DEL	•	689	LCN
1	EA	ARMOR PLATE	8400 34" X 2" LDW B-CS	•	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	•	630	IVE
1	EA	WALL STOP	WS406/407CVX	•	630	IVE
3	EA	SILENCER	SR64	•	GRY	IVE
2	EA	MULTITECH READER	MTB11/MTB15 (AS REQ'D)	• ~	BLK	SCE
1	EA	LOCKDOWN BUTTON	PROVIDED BY SECURITY CONTRACTOR	~		

NOTES:

1) POWER SUPPLY LISTED W/DOOR 103-A.

OPERATIONAL DESCRIPTION: COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT, AND ALL RELATED TRADES.

DOOR NORMALLY CLOSED AND LOCKED VIA ACCESS CONTROL SYSTEM. PRESENTING A VALID CREDENTIAL TO EITHER READER WILL MOMENTARILY UNLOCK THE ELECTRIC STRIKE ALLOWING ACCESS. DOOR TO REMAIN LOCKED UPON LOSS OF POWER OR ACTIVATION OF LOCKDOWN SYSTEM.

Hardware Group No. 17

For use on Door #(s):

127-A

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
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The Salvation Army, an Illinois Corporation  
22-0578 The Salvation Army - Niles  
July 31, 2023

DOOR HARDWARE  
087100  
47

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HWSC 4.5 NRP	•	652	IVE
1	EA	INSTITUTION LOCK	ND82PD SPA	•	626	SCH
1	EA	ELECTRIC STRIKE	- EV29 T 6400 FSE	• ~	630	VON
1	EA	OH STOP	100S	•	630	GLY
1	EA	SURFACE CLOSER	4011 DEL ST-1544	•	689	LCN
1	EA	MOUNTING PLATE	4020-18	•	689	LCN
1	EA	ARMOR PLATE	8400 34" X 2" LDW B-CS	•	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	•	630	IVE
3	EA	SILENCER	SR64	•	GRY	IVE
2	EA	MULTITECH READER	MTB11/MTB15 (AS REQ'D)	• ~	BLK	SCE
1	EA	LOCKDOWN BUTTON	PROVIDED BY SECURITY CONTRACTOR	~		

NOTES:

1) POWER SUPPLY LISTED W/DOOR 103-A.

OPERATIONAL DESCRIPTION: COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT, AND ALL RELATED TRADES.

DOOR NORMALLY CLOSED AND LOCKED VIA ACCESS CONTROL SYSTEM. PRESENTING A VALID CREDENTIAL TO EITHER READER WILL MOMENTARILY UNLOCK THE ELECTRIC STRIKE ALLOWING ACCESS. DOOR TO REMAIN LOCKED UPON LOSS OF POWER OR ACTIVATION OF LOCKDOWN SYSTEM.

Hardware Group No. 18

For use on Door #(s):

130-A

Each to have:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
6	EA	HINGE	5BB1HW 4.5 X 4.5 NRP	•	652	IVE
2	EA	FIRE EXIT HARDWARE	9827-L-F-2SI-LBR-17-499F	•	626	VON
2	EA	FSIC RIM CYLINDER (LESS CORE)	- AUXILIARY FIRE LATCH (AS REQ'D) 20-079	•	626	SCH
2	EA	FSIC CONST CORE	23-030 ICX (AS REQ'D)	•	622	SCH
2	EA	RIM CYL THUMBTURN	XB13-379		626	SCH
2	EA	FSIC EVEREST CORE	23-030 EV29 T	•	626	SCH
2	EA	SURFACE CLOSER	4111 EDA	•	689	LCN

The Salvation Army, an Illinois Corporation  
22-0578 The Salvation Army - Niles  
July 31, 2023

DOOR HARDWARE  
087100  
48

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	•	630	IVE
2	EA	WALL STOP	WS406/407CVX	•	630	IVE
1	EA	GASKETING	488S	•	BK	ZER
1	EA	MEETING STILE	8217S	•	BK	ZER

Hardware Group No. 19

For use on Door #(s):

129-B

Each to have:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP	•	652	IVE
1	EA	FIRE EXIT HARDWARE	98-L-F-2SI-17	•	626	VON
1	EA	FSIC RIM CYLINDER (LESS CORE)	20-079	•	626	SCH
1	EA	FSIC CONST CORE	23-030 ICX (AS REQ'D)	•	622	SCH
1	EA	RIM CYL THUMBTURN	XB13-379		626	SCH
1	EA	FSIC EVEREST CORE	23-030 EV29 T	•	626	SCH
1	EA	SURFACE CLOSER	4111 EDA	•	689	LCN
1	EA	MOUNTING PLATE	4110-18		695	LCN
1	EA	WALL STOP	WS406/407CVX	•	630	IVE
1	EA	GASKETING	488S	•	BK	ZER

Hardware Group No. 20

For use on Door #(s):

130-B

Each to have:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP	•	652	IVE
1	EA	FIRE EXIT HARDWARE	98-EO-F	•	626	VON
1	EA	SURFACE CLOSER	4111 EDA	•	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	•	630	IVE
1	EA	WALL STOP	WS406/407CVX	•	630	IVE
1	EA	GASKETING	488S	•	BK	ZER

Hardware Group No. 21

For use on Door #(s):

101-B

Each to have:

The Salvation Army, an Illinois Corporation  
22-0578 The Salvation Army - Niles  
July 31, 2023

DOOR HARDWARE  
087100  
49

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	CONT. HINGE	112HD EPT	•	313AN	IVE
2	EA	POWER TRANSFER	EPT10	• ~	695	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	•	695	VON
1	EA	ELEC PANIC HARDWARE	SD-QEL-98-EO	• ~	626	VON
1	EA	ELEC PANIC HARDWARE	SD-QEL-98-NL-OP-110MD	• ~	626	VON
1	EA	FSIC RIM CYLINDER (LESS CORE)	20-079 - TRIM	•	626	SCH
4	EA	FSIC CONST CORE	23-030 ICX (AS REQ'D)	•	622	SCH
1	EA	FSIC MORT CYLINDER (LESS CORE)	26-064 - MULLION		613	SCH
2	EA	FSIC MORT CYLINDER (LESS CORE)	26-064 XQ11-948 - DOGGING		626	SCH
3	EA	FSIC EVEREST CORE	23-030 EV29 T	•	626	SCH
1	EA	FSIC EVEREST CORE	23-030 EV29 T	•	613	SCH
2	EA	90 DEG OFFSET PULL	8190EZHD 10" O	•	630-31 6	IVE
2	EA	SURFACE CLOSER	4111 SHCUSH	•	695	LCN
2	EA	MOUNTING PLATE	4110-18		695	LCN
2	EA	CUSH SHOE SUPPORT	4110-30		695	LCN
2	EA	BLADE STOP SPACER	4110-61		695	LCN
1	EA	MULTITECH READER	MTB11/MTB15 (AS REQ'D)	• ~	BLK	SCE
1	EA	DOOR RELEASE BUTTON	660-PB	• ~	628	SCE
1	EA	LOCKDOWN BUTTON	PROVIDED BY SECURITY CONTRACTOR WEATHERSTRIP BY DOOR/FRAME MANUFACTURER	~		

NOTES:

1) POWER SUPPLY LISTED W/DOOR 101-A.

OPERATIONAL DESCRIPTION: COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT, AND ALL RELATED TRADES.

UNLOCKED HOURS: DOORS ELECTRONICALLY DOGGED DOWN VIA ACCESS CONTROL SYSTEM, THUS IN PUSH/PULL MODE.

LOCKED HOURS: DOORS NORMALLY CLOSED AND LOCKED VIA ACCESS CONTROL SYSTEM. PRESENTING A VALID CREDENTIAL TO THE READER OR PRESSING DOOR RELEASE BUTTON AT RECEPTION DESK WILL MOMENTARILY

The Salvation Army, an Illinois Corporation  
22-0578 The Salvation Army - Niles  
July 31, 2023

DOOR HARDWARE  
087100  
50

RETRACT THE PANIC DEVICE LATCH ALLOWING ACCESS.

DOORS TO REMAIN LOCKED WITH LOSS OF POWER OR ACTIVATION OF  
LOCKDOWN SYSTEM. FREE EGRESS AT ALL TIMES.

Hardware Group No. 22

For use on Door #(s):

101-A

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
2	EA	CONT. HINGE	112HD EPT	•	313AN	IVE
2	EA	POWER TRANSFER	EPT10	• ~	695	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	•	695	VON
1	EA	ELEC PANIC HARDWARE	SD-QEL-98-EO	• ~	626	VON
1	EA	ELEC PANIC HARDWARE	SD-QEL-98-NL-OP-110MD	• ~	626	VON
1	EA	FSIC RIM CYLINDER (LESS CORE)	20-079 - TRIM	•	626	SCH
4	EA	FSIC CONST CORE	23-030 ICX (AS REQ'D)	•	622	SCH
1	EA	FSIC MORT CYLINDER (LESS CORE)	26-064 - MULLION		613	SCH
2	EA	FSIC MORT CYLINDER (LESS CORE)	26-064 XQ11-948 - DOGGING		626	SCH
3	EA	FSIC EVEREST CORE	23-030 EV29 T	•	626	SCH
1	EA	FSIC EVEREST CORE	23-030 EV29 T	•	613	SCH
2	EA	90 DEG OFFSET PULL	8190EZHD 10" O	•	630-31 6	IVE
2	EA	SURFACE CLOSER	4111 SHCUSH	•	695	LCN
2	EA	MOUNTING PLATE	4110-18		695	LCN
2	EA	CUSH SHOE SUPPORT	4110-30		695	LCN
2	EA	BLADE STOP SPACER	4110-61		695	LCN
1	EA	MULLION SEAL	8780N	•	BK	ZER
2	EA	DOOR SWEEP	8192D	•	D	ZER
1	EA	THRESHOLD	655A	•	A	ZER
1	EA	MULTITECH READER	MTB11/MTB15 (AS REQ'D)	• ~	BLK	SCE
1	EA	LOCKDOWN BUTTON	PROVIDED BY SECURITY CONTRACTOR	~		
1	EA	POWER SUPPLY	PS906 900-4RL - COORDINATE POWER SUPPLY REQUIREMENTS W/SECURITY PROVIDER	• ~		VON

QT Y	DESCRIPTION	CATALOG NUMBER	FINIS H	MFR
		WEATHERSTRIP BY DOOR/FRAME MANUFACTURER		

NOTES:

1) POWER SUPPLY SHARED W/DOOR 101-B.

OPERATIONAL DESCRIPTION: COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT, AND ALL RELATED TRADES.

UNLOCKED HOURS: DOORS ELECTRONICALLY DOGGED DOWN VIA ACCESS CONTROL SYSTEM, THUS IN PUSH/PULL MODE.

LOCKED HOURS: DOORS NORMALLY CLOSED AND LOCKED VIA ACCESS CONTROL SYSTEM. PRESENTING A VALID CREDENTIAL TO THE READER WILL MOMENTARILY RETRACT THE PANIC DEVICE LATCH ALLOWING ACCESS.

DOORS TO REMAIN LOCKED WITH LOSS OF POWER OR ACTIVATION OF LOCKDOWN SYSTEM. FREE EGRESS AT ALL TIMES.

Hardware Group No. 23

For use on Door #(s):

112-B

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
1	EA	CONT. HINGE	112HD	•	313AN	IVE
1	EA	PANIC HARDWARE	CD-98-NL-OP-110MD	•	626	VON
1	EA	FSIC RIM CYLINDER (LESS CORE)	20-079 - TRIM	•	626	SCH
2	EA	FSIC CONST CORE	23-030 ICX (AS REQ'D)	•	622	SCH
1	EA	FSIC MORT CYLINDER (LESS CORE)	26-064 XQ11-948 - DOGGING		626	SCH
2	EA	FSIC EVEREST CORE	23-030 EV29 T	•	626	SCH
1	EA	ELECTRIC STRIKE	6300 FSE	• ~	630	VON
1	EA	90 DEG OFFSET PULL	8190EZHD 10" O	•	630-31 6	IVE
1	EA	SURFACE CLOSER	4111 SCUSH	•	695	LCN
1	EA	CUSH SHOE SUPPORT	4110-30		695	LCN
1	EA	BLADE STOP SPACER	4110-61		695	LCN
1	EA	DOOR SWEEP	8192D	•	D	ZER
1	EA	THRESHOLD	655A	•	A	ZER
1	EA	MULTITECH READER	MTB11/MTB15 (AS REQ'D)	• ~	BLK	SCE

The Salvation Army, an Illinois Corporation  
22-0578 The Salvation Army - Niles  
July 31, 2023

DOOR HARDWARE  
087100  
52

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
1	EA	LOCKDOWN BUTTON	PROVIDED BY SECURITY CONTRACTOR WEATHERSTRIP BY DOOR/FRAME MANUFACTURER	~		

NOTES:

1) POWER SUPPLY LISTED W/DOOR 103-A.

OPERATIONAL DESCRIPTION: COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT, AND ALL RELATED TRADES.

DOOR NORMALLY CLOSED AND LOCKED VIA ACCESS CONTROL SYSTEM. PRESENTING A VALID CREDENTIAL TO THE READER WILL MOMENTARILY UNLOCK THE ELECTRIC STRIKE ALLOWING ACCESS. DOOR TO REMAIN LOCKED UPON LOSS OF POWER OR ACTIVATION OF LOCKDOWN SYSTEM. FREE EGRESS AT ALL TIMES.

Hardware Group No. 24

For use on Door #(s):

125-B

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
1	EA	CONT. HINGE	224HD	•	313AN	IVE
1	EA	PANIC HARDWARE	CD-98-NL	•	626	VON
1	EA	FSIC RIM CYLINDER (LESS CORE)	20-079 - TRIM	•	626	SCH
2	EA	FSIC CONST CORE	23-030 ICX (AS REQ'D)	•	622	SCH
1	EA	FSIC MORT CYLINDER (LESS CORE)	26-064 XQ11-948 - DOGGING		626	SCH
2	EA	FSIC EVEREST CORE	23-030 EV29 T	•	626	SCH
1	EA	ELECTRIC STRIKE	6300 FSE	• ~	630	VON
1	EA	SURFACE CLOSER	4111 SCUSH	•	695	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	•	613	IVE
1	EA	RAIN DRIP	142D	•	D	ZER
1	EA	GASKETING	429D-S	•	D	ZER
1	EA	DOOR SWEEP	8192D	•	D	ZER
1	EA	THRESHOLD	655A	•	A	ZER
1	EA	MULTITECH READER	MTB11/MTB15 (AS REQ'D)	• ~	BLK	SCE

QT Y		DESCRIPTION	CATALOG NUMBER	FINIS H	MFR
1	EA	LOCKDOWN BUTTON	PROVIDED BY SECURITY CONTRACTOR WEATHERSTRIP BY DOOR/FRAME MANUFACTURER	~	

NOTES:

1) POWER SUPPLY LISTED W/DOOR 103-A.

OPERATIONAL DESCRIPTION: COORDINATE SYSTEM OPERATION AND COMPONENT LOCATIONS WITH THE OWNER, THE ARCHITECT, AND ALL RELATED TRADES.

DOOR NORMALLY CLOSED AND LOCKED VIA ACCESS CONTROL SYSTEM. PRESENTING A VALID CREDENTIAL TO THE READER WILL MOMENTARILY UNLOCK THE ELECTRIC STRIKE ALLOWING ACCESS. DOOR TO REMAIN LOCKED UPON LOSS OF POWER OR ACTIVATION OF LOCKDOWN SYSTEM. FREE EGRESS AT ALL TIMES.

Hardware Group No. 25

For use on Door #(s):

129-A

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER	FINIS H	MFR
2	EA	CONT. HINGE	224HD	• 313AN	IVE
1	EA	REMOVABLE MULLION	KR4954 STAB	• 695	VON
2	EA	PANIC HARDWARE	CD-98-DT	• 626	VON
3	EA	FSIC CONST CORE	23-030 ICX (AS REQ'D)	• 622	SCH
1	EA	FSIC MORT CYLINDER (LESS CORE)	26-064 - MULLION	613	SCH
2	EA	FSIC MORT CYLINDER (LESS CORE)	26-064 XQ11-948 - DOGGING	626	SCH
2	EA	FSIC EVEREST CORE	23-030 EV29 T	• 626	SCH
1	EA	FSIC EVEREST CORE	23-030 EV29 T	• 613	SCH
2	EA	SURFACE CLOSER	4111 SCUSH	• 695	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B-CS	• 613	IVE
1	EA	RAIN DRIP	142D	• D	ZER
1	EA	GASKETING	429D-S	• D	ZER
1	EA	MULLION SEAL	8780N	• BK	ZER
1	EA	MEETING STILE	8879D	• D	ZER
2	EA	DOOR SWEEP	8192D	• D	ZER

The Salvation Army, an Illinois Corporation  
22-0578 The Salvation Army - Niles  
July 31, 2023

DOOR HARDWARE

087100

54



QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H A	MFR ZER
1	EA	THRESHOLD	655A	•		

Hardware Group No. 26

For use on Door #(s):

125-A

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
2	EA	CONT. HINGE	224HD	•	313AN	IVE
1	EA	REMOVABLE MULLION	KR4954 STAB	•	695	VON
2	EA	PANIC HARDWARE	LD-98-EO	•	626	VON
1	EA	FSIC CONST CORE	23-030 ICX (AS REQ'D)	•	622	SCH
1	EA	FSIC MORT CYLINDER (LESS CORE)	26-064		613	SCH
1	EA	FSIC EVEREST CORE	23-030 EV29 T	•	613	SCH
2	EA	SURFACE CLOSER	4111 HEDA	•	695	LCN
2	EA	ARMOR PLATE	8400 34" X 2" LDW B-CS	•	613	IVE
2	EA	WALL STOP	WS406/407CVX	•	613	IVE
1	EA	RAIN DRIP	142D	•	D	ZER
1	EA	GASKETING	429D-S	•	D	ZER
1	EA	MULLION SEAL	8780N	•	BK	ZER
1	EA	MEETING STILE	8879D	•	D	ZER
2	EA	DOOR SWEEP	8192D	•	D	ZER
1	EA	THRESHOLD	655A	•	A	ZER

Hardware Group No. 27

For use on Door #(s):

129-C

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
1	EA	CONT. HINGE	112HD	•	313AN	IVE
1	EA	PANIC HARDWARE	LD-98-EO	•	626	VON
1	EA	SURFACE CLOSER	4111 SCUSH	•	695	LCN
1	EA	CUSH SHOE SUPPORT	4110-30		695	LCN
1	EA	BLADE STOP SPACER	4110-61		695	LCN
1	EA	DOOR SWEEP	8192D	•	D	ZER

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H A	MFR ZER
1	EA	THRESHOLD	655A	•		
			WEATHERSTRIP BY DOOR/FRAME MANUFACTURER			

Hardware Group No. 28

For use on Door #(s):

131-A

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H A	MFR
1	EA	CLASSROOM DEADLOCK POCKET DOOR LOCK SET	2001ADAP-3		626	ACC
1	EA	FSIC MORT CYLINDER (LESS CORE)	26-064 - VERIFY CAM/BLOCKING RING (AS REQ'D)		626	SCH
1	EA	FSIC EVEREST CORE	23-030 EV29 T	•	626	SCH
			BALANCE OF HARDWARE BY DOOR MANUFACTURER			

NOTES:

1) VERIFY HARDWARE COMPATIBILITY WITH DOOR SUPPLIER PRIOR TO ORDER.

Hardware Group No. 29

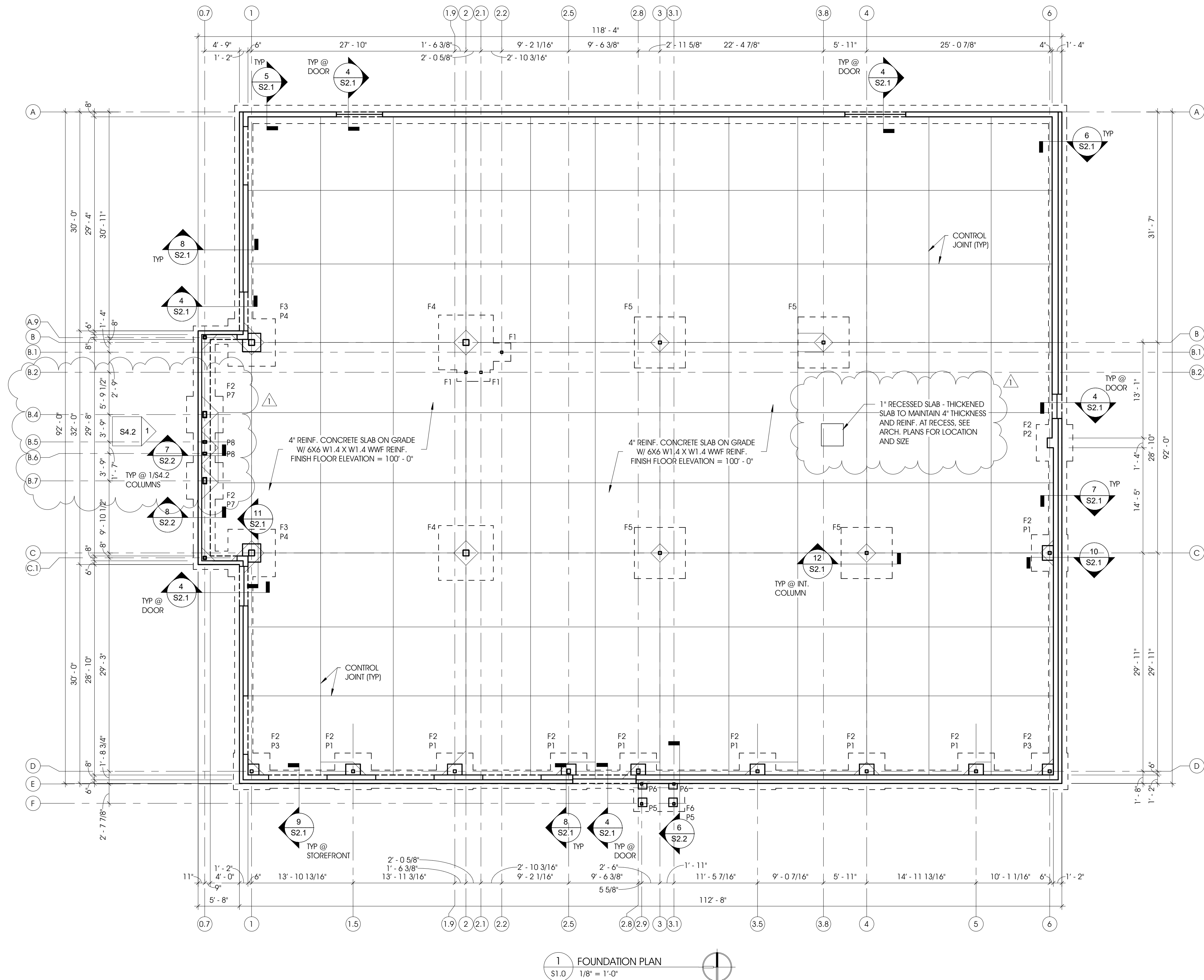
For use on Door #(s):

128-C                      128-D                      128-E

Each to have:

QT Y		DESCRIPTION	CATALOG NUMBER		FINIS H	MFR
			HARDWARE BY DOOR MANUFACTURER			

**A.     END OF SECTION 087100**



## 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"	7	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"	4	100'-0"
P6	14"X23"	10 #5 DOWELS	#4 @ 9"	2	100'-0"
P7	20"X24"	14 #5 DOWELS	#4 @ 10"	2	99'-4"
P8	20"X12"	8 #5 DOWELS	#4 @ 10"	2	99'-4"
P9	18"X18"	8 #5 DOWELS	#4 @ 9"	2	99'-4"

## 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.

SHEET TITLE:

MODELED BY:

JMO

DESIGNED BY:

JMO

PM REVIEW:

SFL

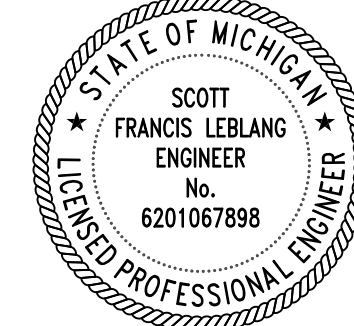
QA/QC REVIEW:

SFL

DATE:

07/31/2023

SEAL:



SIGNATURE:

DATE:

HARD COPY IS INTENDED TO BE 24" x 36" WHEN PLOTTED SCALE(S) INDICATED AND GRAPHIC QUALITY MAY NOT BE ACCURATE FOR ANY OTHER SIZES

SCALE:

UNLESS NOTED OTHERWISE

ACI JOB #

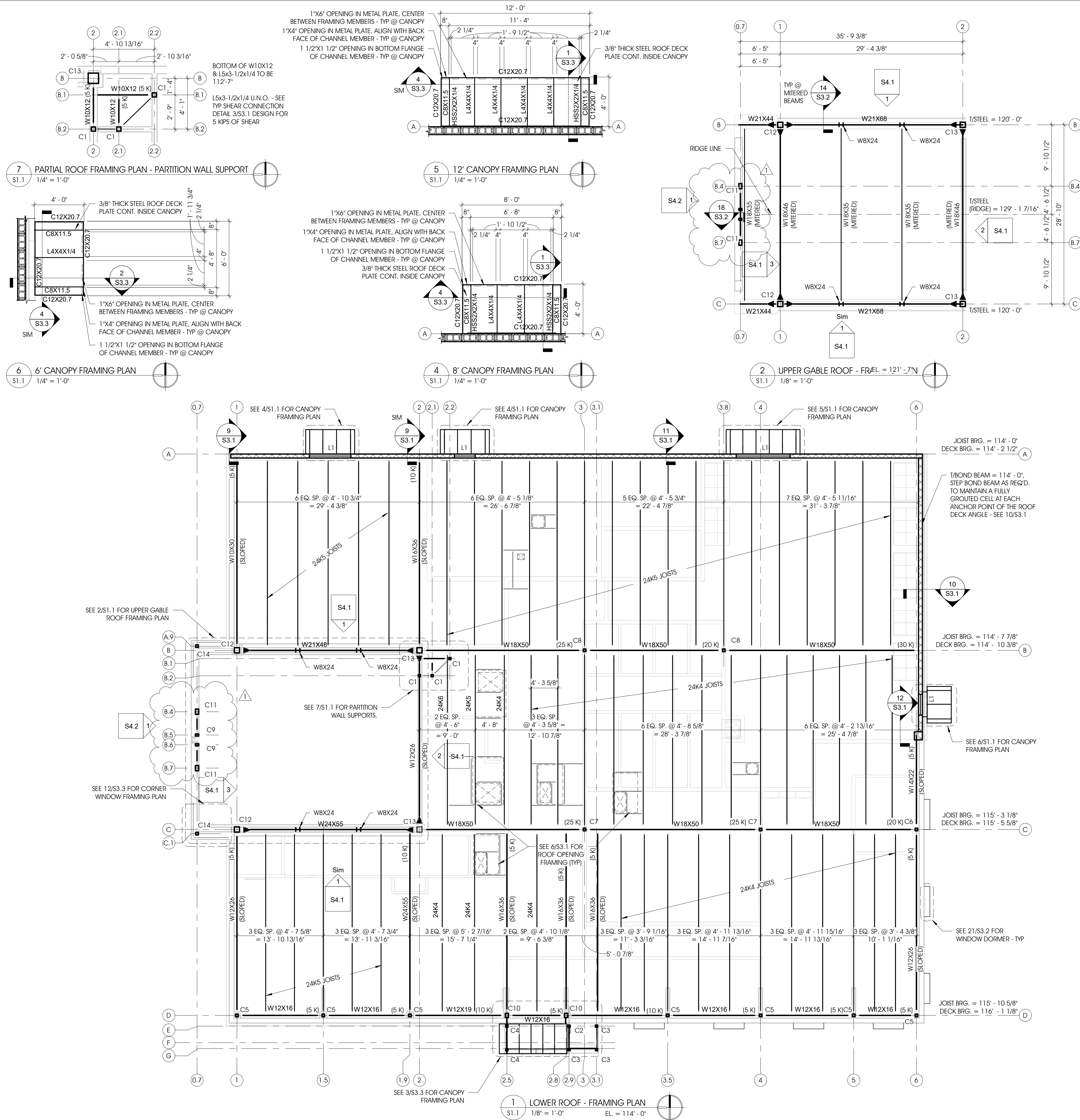
22-0578

SHEET NO.

S1.0

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





## GENERAL NOTES

- ALL BEAMS TO BEAR ON BEARING PLATES (MIN. 10"x6") IN POCKET IN CMU WALLS AND ON CMU PILASTER (6" MIN. BEARING LENGTH, WELD TO PLATE) PROVIDED HEADED STUDS AT PLATE UNDERSIDE.
- ALL CMU WALLS TO BE REINFORCED WITH #5 VERTICAL BARS @ 48" O.C., CENTERED IN WALL (U.N.O.) MIN. LAP = 24".
- PROVIDE BOND BEAM AT TOP OF PARAPET WALL W/ (2) CONT. #5 BARS.
- JOIST BEARING VARIES, SEE PLAN FOR JOIST BEARING ELEVATIONS.
- ROOF DECK = 1.5B20 METAL DECK U.N.O.
- T/STL. EL. AS NOTED ON PLANS. T/STL. EL. = JOIST BRG. EL. U.N.O. ALL SLOPED STEEL BEAM TO HAVE T/STL. ALIGNED W/ ADJACENT PARALLEL ROOF JOISTS.
- UPPER GABLE ROOF DECK = 3X6 DOUGLAS FIR, KD SELECT DECK TONGUE AND GROOVE TIMBER DECKING.
- FASTENERS IN TONGUE AND GROOVE TIMBER DECKING SHALL NOT PENETRATE THE INTERIOR FACE OF THE TIMBER DECKING
- MECH. ENGINEER TO VERIFY LOCATION AND SIZE OF OPENINGS AND ANGLE FRAMES AT RTUS.
- JOISTS HAVE BEEN DESIGNED FOR SNOW AND DEAD LOADS. JOIST MANUF. TO REFER TO MECH. DRAWINGS TO DESIGN JOISTS FOR RTU LOADINGS.
- DECK OPENINGS TO BE FRAMED WITH L5X3-1/2X1/4 U.N.O. SEE S6/S3.1 FOR FRAMING DETAIL.
- CANOPIES TO BE SHOP WELDED WITH HSS BRACES SEPERATE FROM CANOPY U.N.O. - CONNECTION DESIGN BY STEEL MANUF. ALL EXTERIOR CANOPY FRAMING TO BE HOT DR GALVANIZED, SHOP PRIMED, AND PAINTED PER SPECIFICATIONS.

## COLUMN SCHEDULE

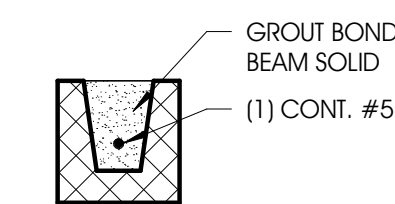
MARK	SHAPE	BASE PLATE	LOCATION	BRG. ELEV.	T/COL. ELEV.	QNTY
C1	HSS 4X4X5/16	10"x10"x3/4"	B.1-2.2; B.2-2; B.2-2.1	99'-5 1/2"	113'-5"	3
C2	HSS 4X4X3/8	8"x8"x3/4"	E-2.9	100'-0"	115'-6"	1
C3	HSS 4X4X3/8	8"x8"x3/4"	G-2.9; G-3.1; E-3.1	100'-0"	120'-1 5/8"	3
C4	HSS 4X4X3/8	10"x8"x3/4"	E-2.5; G-2.5	110' - 11 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.

## INTEL LEGEND

HEADER MARK	INTEL SIZE	REINFORCING
L1	8" BOND BEAM	1 CONT. #5 BAR

**NOTES:** 1. PROVIDE MINIMUM 8" BEARING EACH SIDE OF OPENING.  
2. ALL LOOSE INTELS TO BE HOT-DIP GALVANIZED.  
3. PROVIDE L4X4X3/8 INTEL FOR VENEER SUPPORT AS REQUIRED.



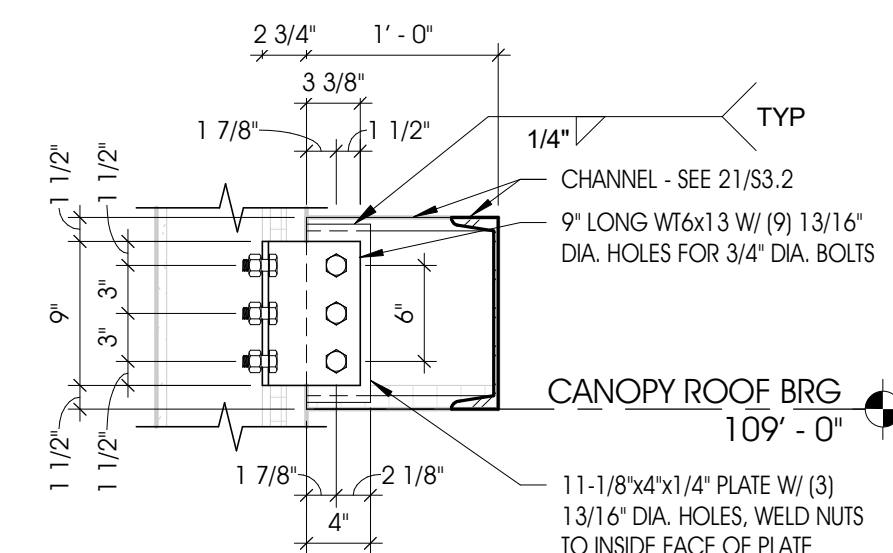
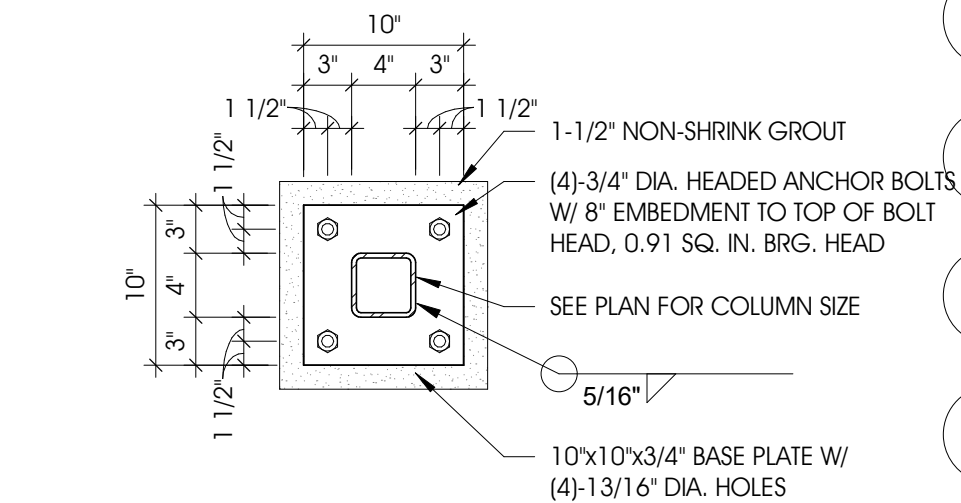
**INTEL SECTION**  
SCALE: 1" = 1'-0"

## BEAM KEY PLAN

(SHAPE)	SHEAR REACTION (KIPS ASD)
(T/STL. EL.)	

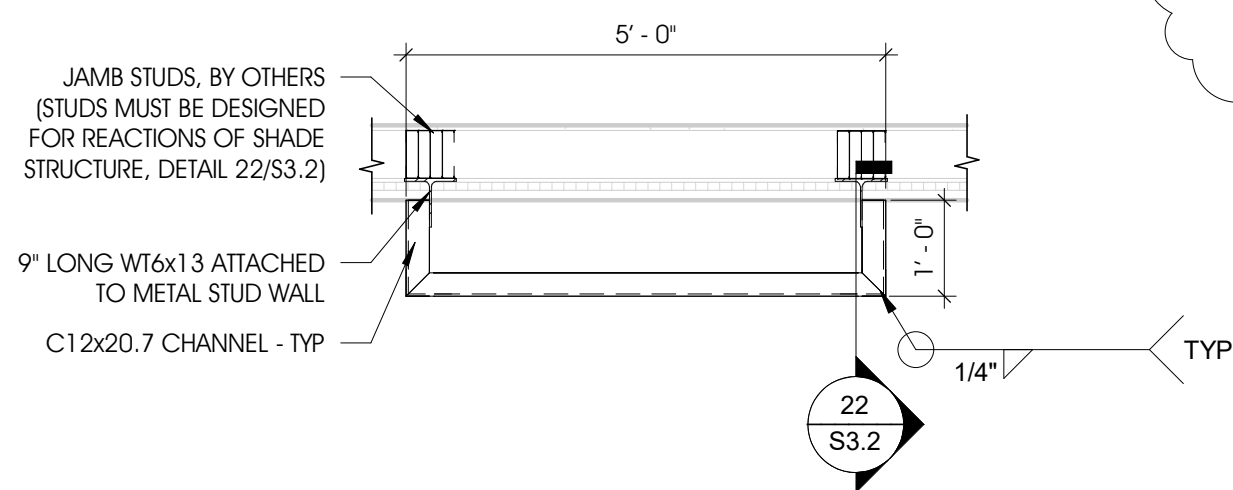


**23 BASE PLATE DETAIL: C1**  
S3.2 1" = 1'-0"

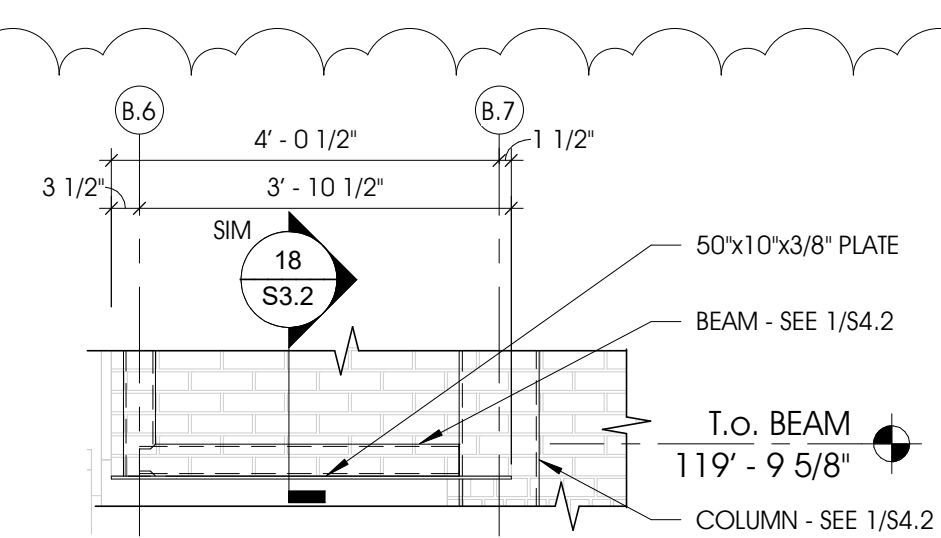


NOTE:  
FABRICATOR TO DESIGN EACH BEAM CONNECTION  
FOR THE FOLLOWING ASD (SERVICE LOADS)  
REACTIONS: V=400 LB, M=200 LB-FT

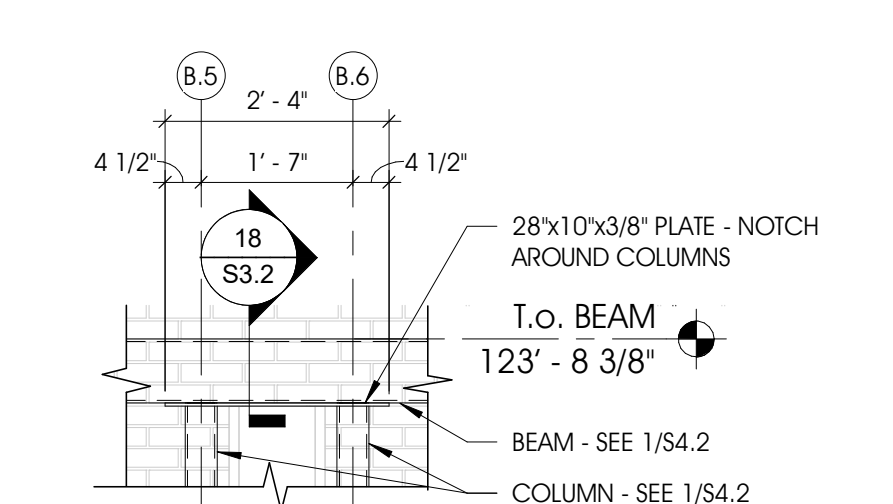
**22 SHADE STRUCTURE CONNECTION DETAIL**  
S3.2 1" = 1'-0"



**21 WINDOW SHADE STRUCTURE FRAMING PLAN**  
S3.2 1/2" = 1'-0"

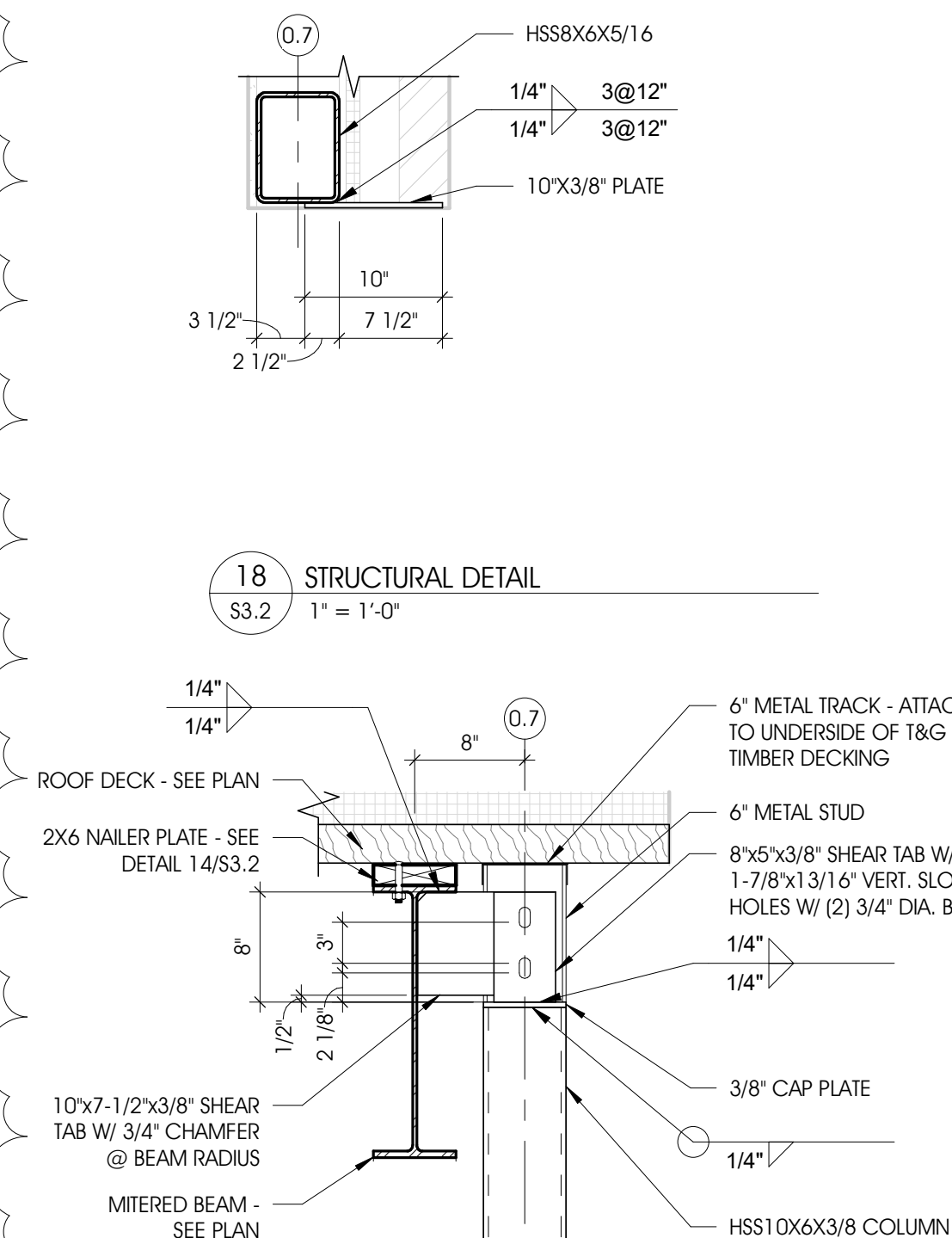


**20 BRICK LINTEL DETAIL**  
S3.2 1/2" = 1'-0"



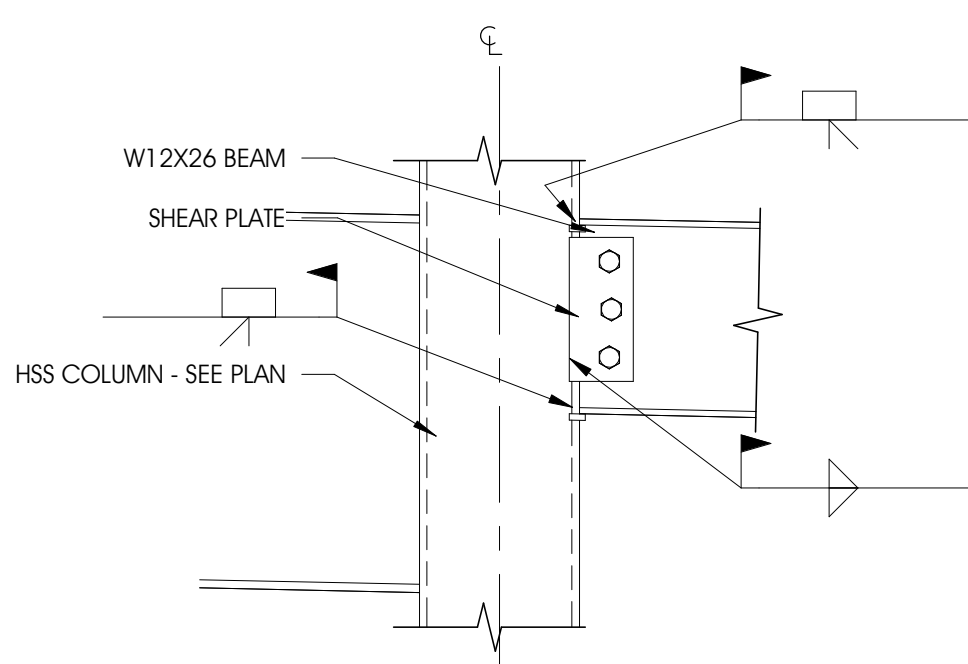
**19 BRICK LINTEL DETAIL**  
S3.2 1/2" = 1'-0"

**18 STRUCTURAL DETAIL**  
S3.2 1" = 1'-0"



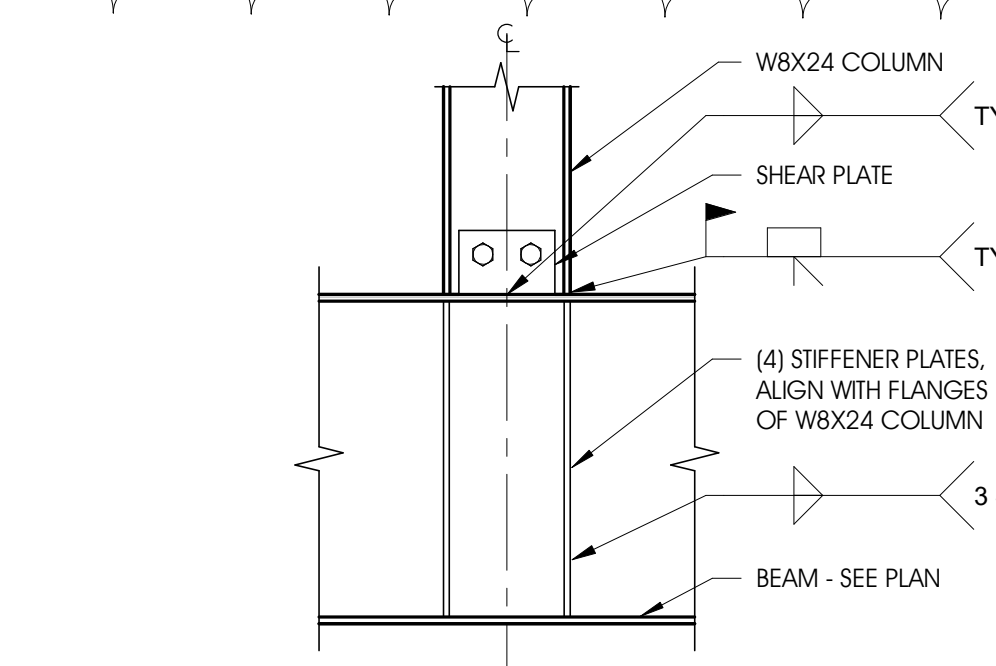
NOTE:  
FABRICATOR TO DESIGN EACH BEAM CONNECTION  
FOR THE FOLLOWING ASD (SERVICE LOADS)  
REACTIONS: V=5 KIPS

**17 STRUCTURAL DETAIL**  
S3.2 1" = 1'-0"



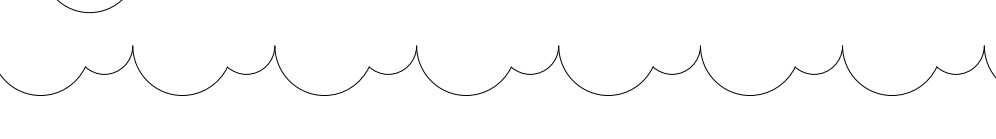
NOTE:  
FABRICATOR TO DESIGN EACH BEAM CONNECTION  
FOR THE FOLLOWING ASD (SERVICE LOADS)  
REACTIONS: V=5 KIPS, M=25 K-FT

**16 MOMENT CONNECTION DETAIL**  
S3.2 1" = 1'-0"

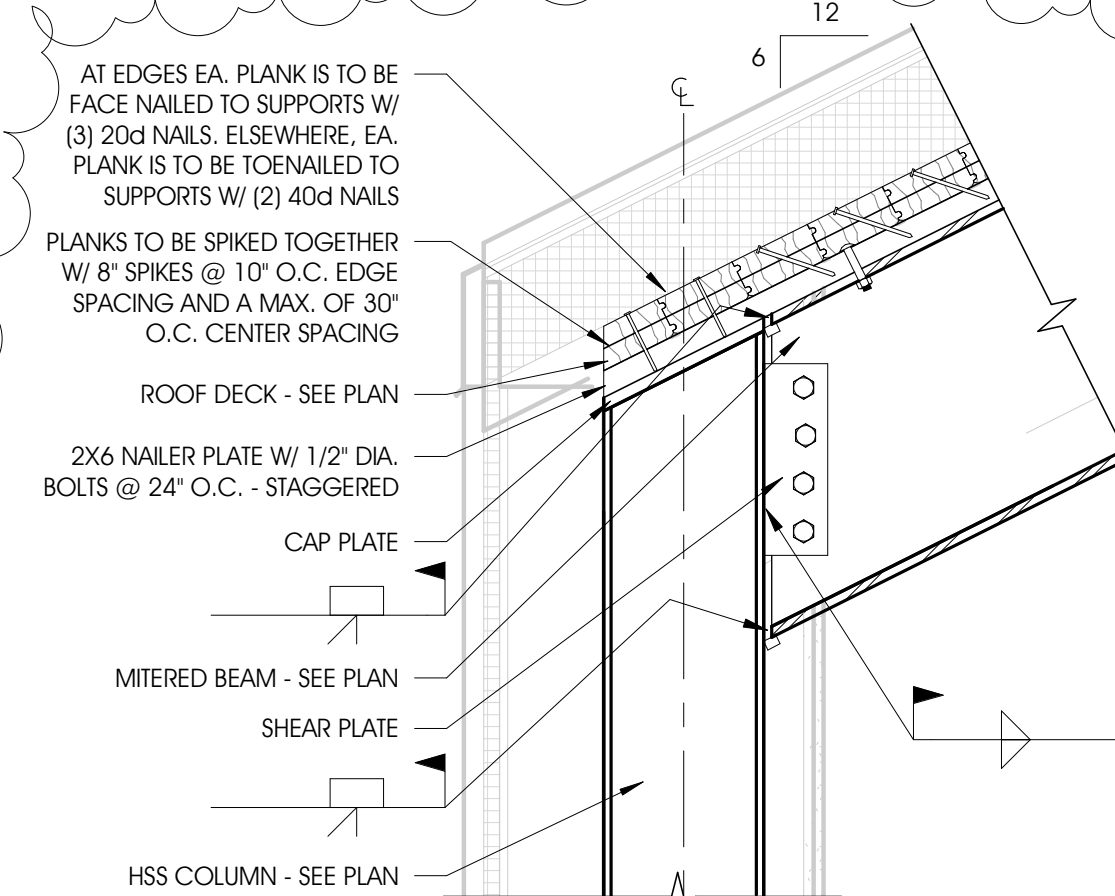


NOTE:  
FABRICATOR TO DESIGN EACH BEAM CONNECTION  
FOR THE FOLLOWING ASD (SERVICE LOADS)  
REACTIONS: V=5 KIPS, M=15 K-FT

**15 NEW DETAIL**  
S3.2 1" = 1'-0"

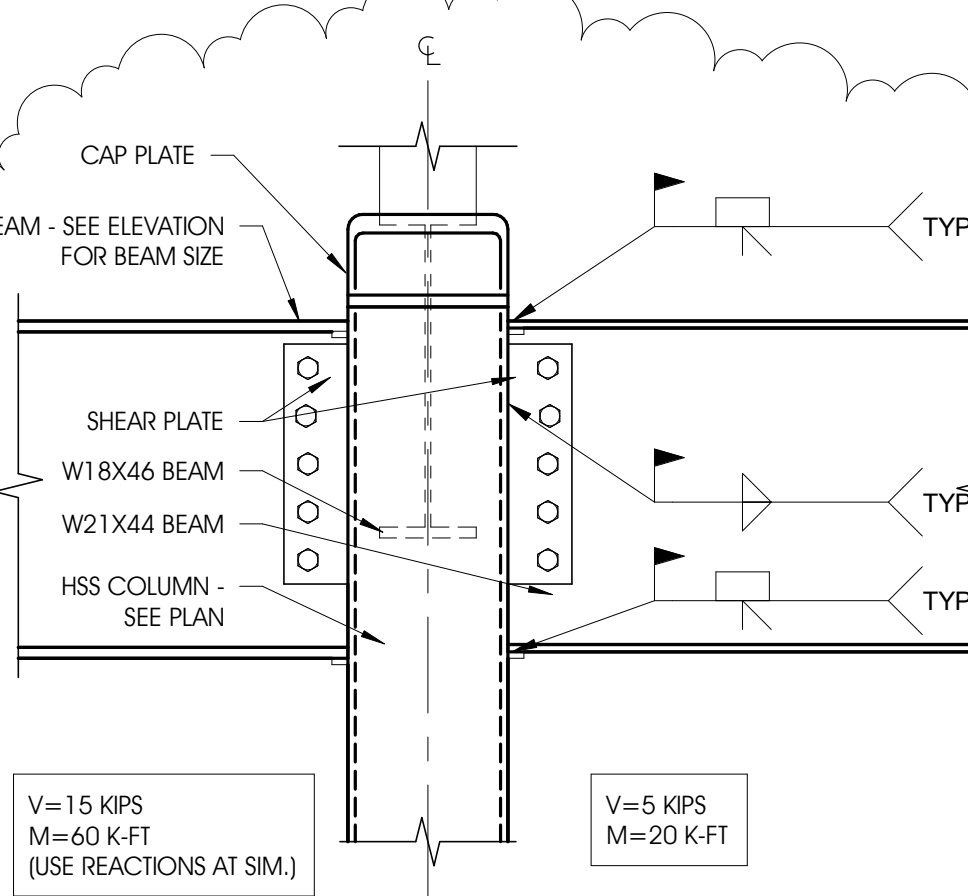


**14 STRUCTURAL DETAIL**  
S3.2 1" = 1'-0"



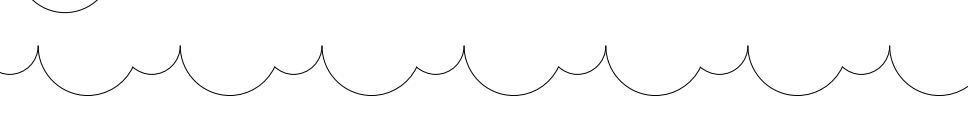
NOTE:  
FABRICATOR TO DESIGN EACH BEAM CONNECTION  
FOR THE FOLLOWING ASD (SERVICE LOADS)  
REACTIONS: V=10 KIPS, M=25 K-FT

**13 MOMENT CONNECTION DETAIL**  
S3.2 1" = 1'-0"

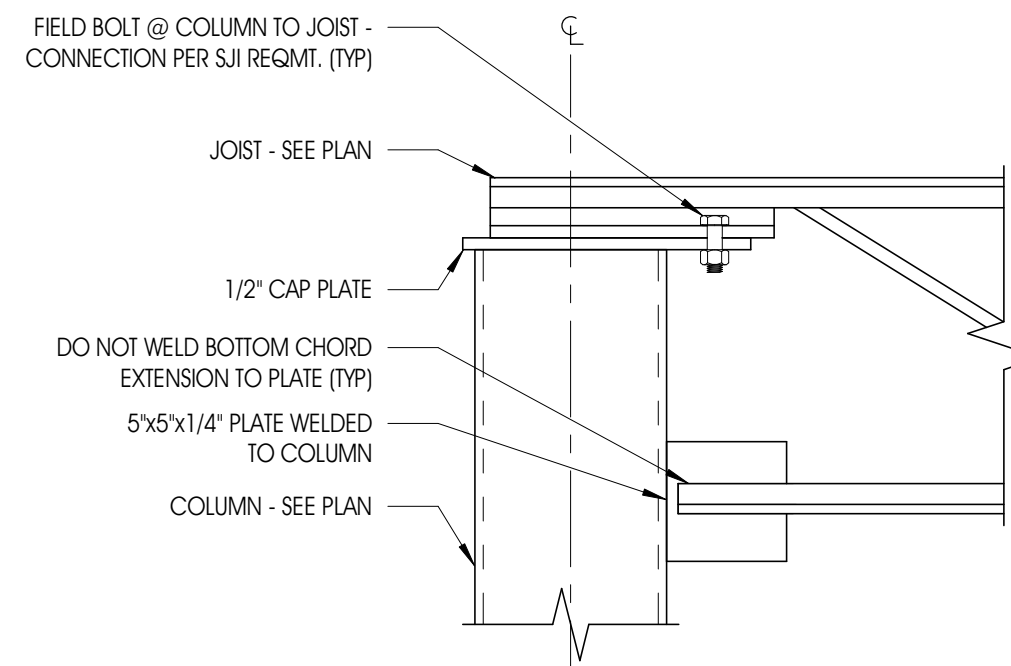


NOTE:  
FABRICATOR TO DESIGN EACH BEAM CONNECTION  
FOR THE FOLLOWING ASD (SERVICE LOADS) REACTIONS:  
V=15 KIPS  
M=60 K-FT  
(USE REACTIONS AT SIM.)

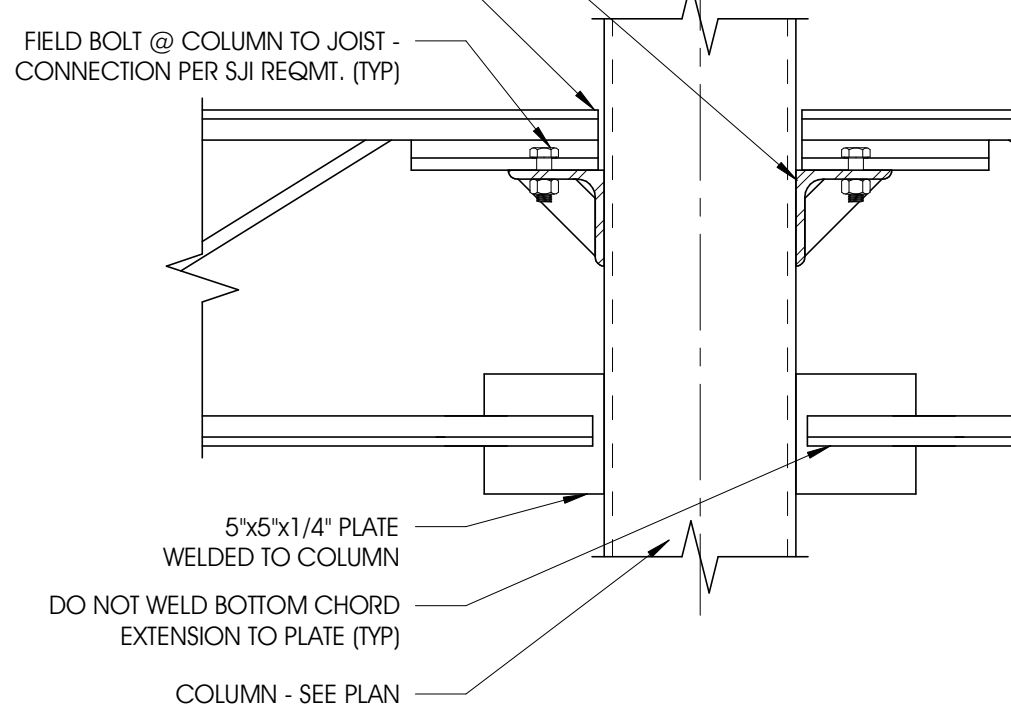
**12 MOMENT CONNECTION DETAIL**  
S3.2 1" = 1'-0"



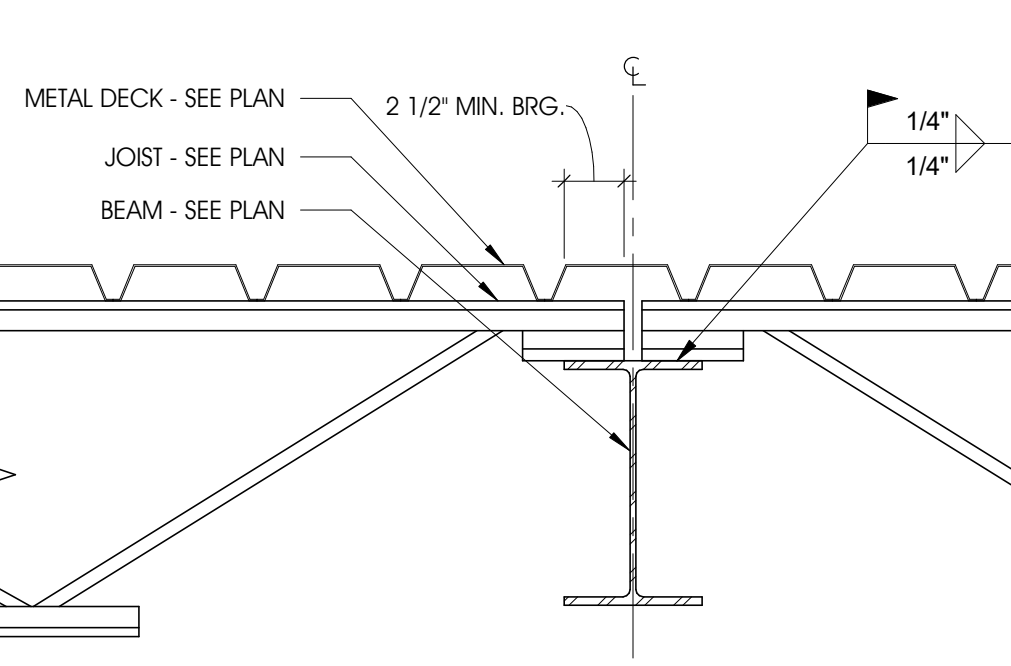
**11 JOIST BEARING DETAIL**  
S3.2 1 1/2" = 1'-0"



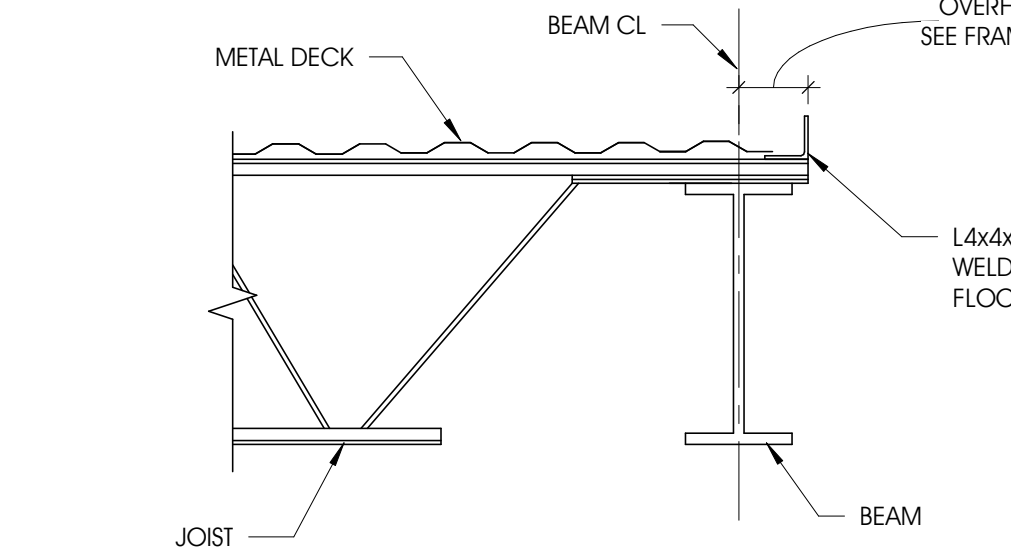
**10 JOIST BEARING DETAIL**  
S3.2 1 1/2" = 1'-0"



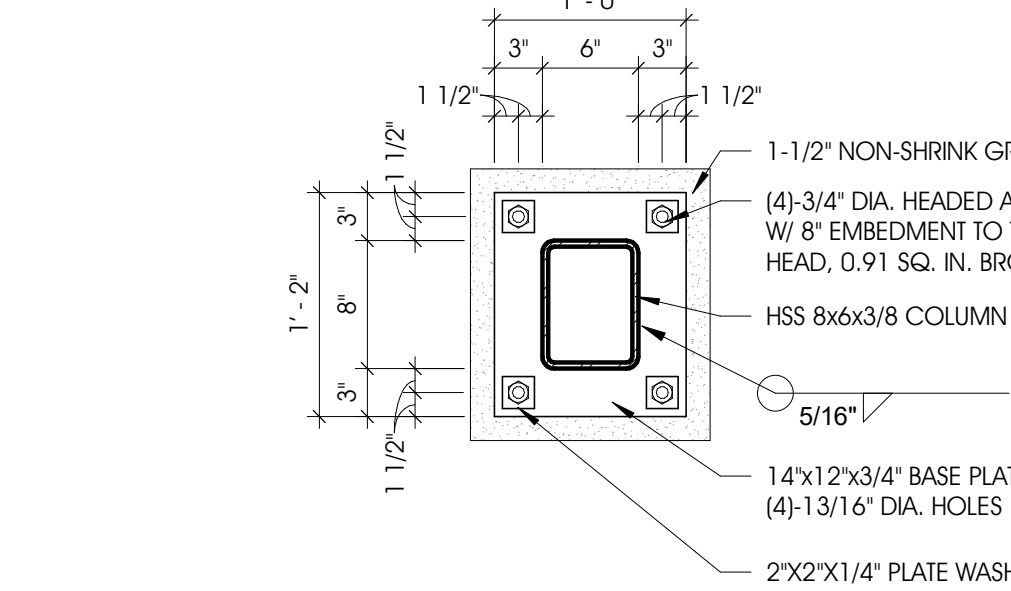
**9 JOIST BEARING DETAIL**  
S3.2 1 1/2" = 1'-0"



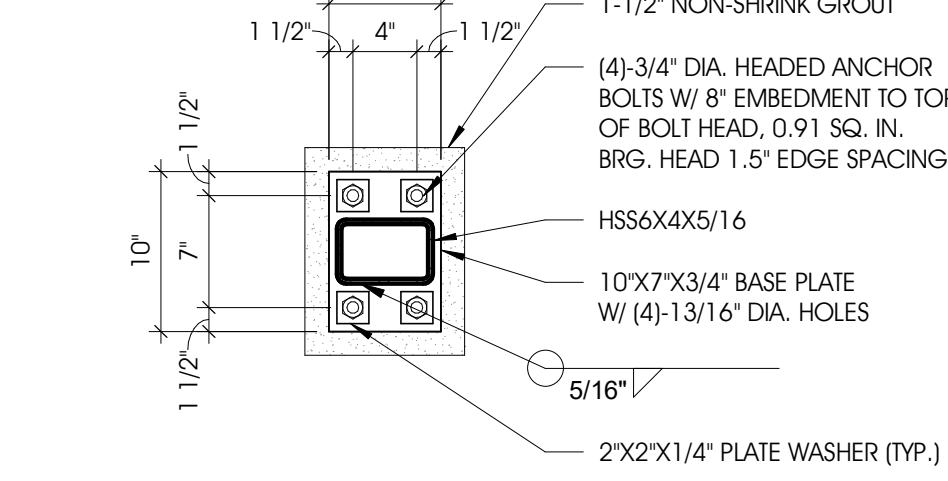
**8 JOIST BEARING DETAIL**  
S3.2 1" = 1'-0"



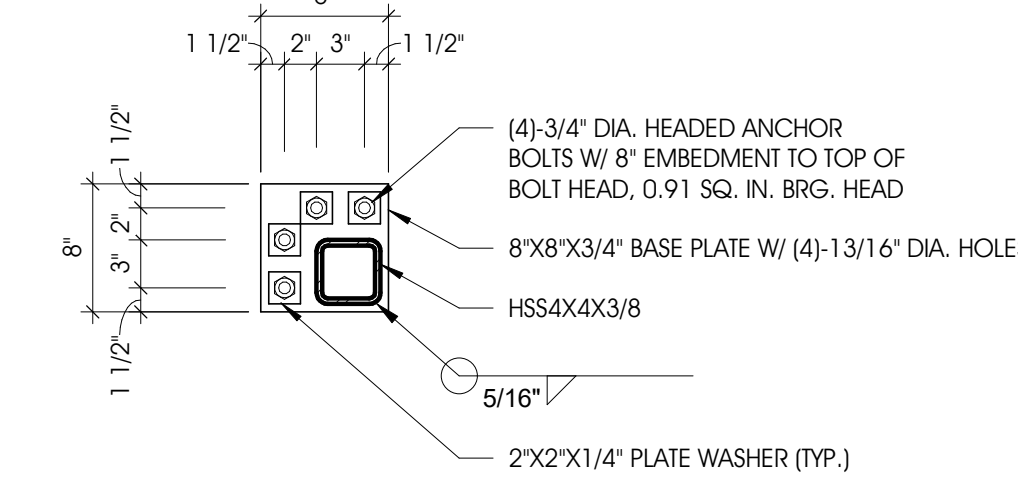
**7 BASE PLATE DETAIL: C10**  
S3.2 1" = 1'-0"



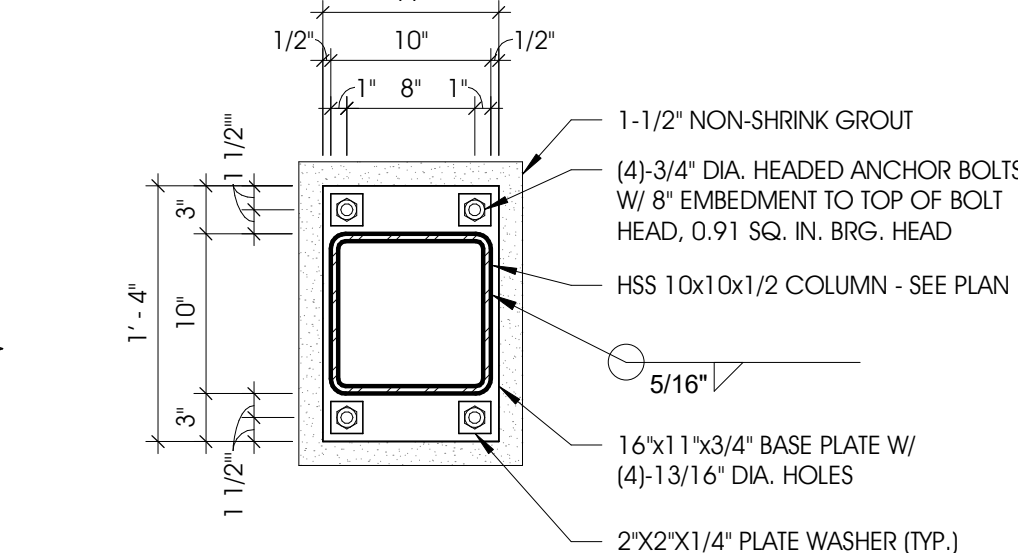
**6 BASE PLATE DETAIL: C9**  
S3.2 1" = 1'-0"



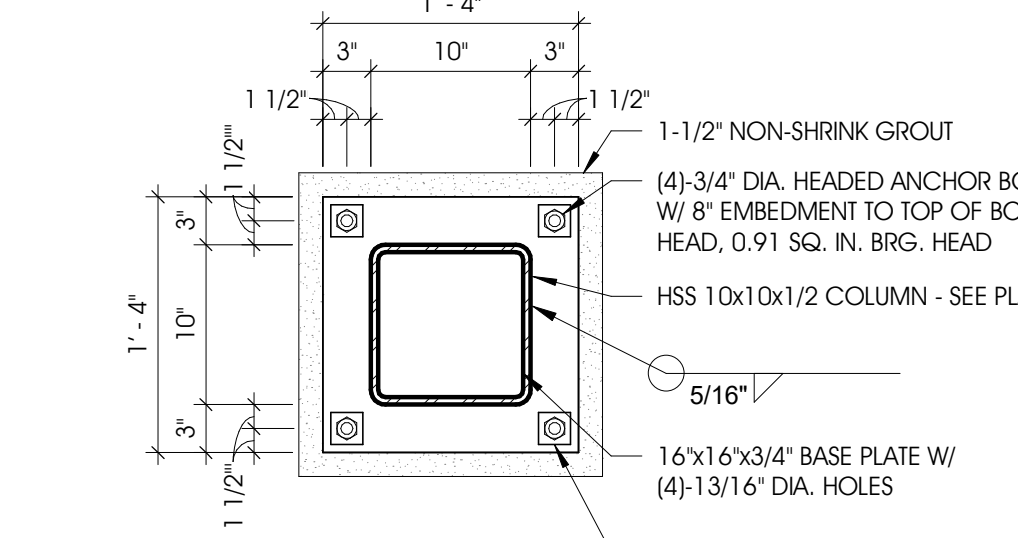
**5 BASE PLATE DETAIL: C11**  
S3.2 1" = 1'-0"



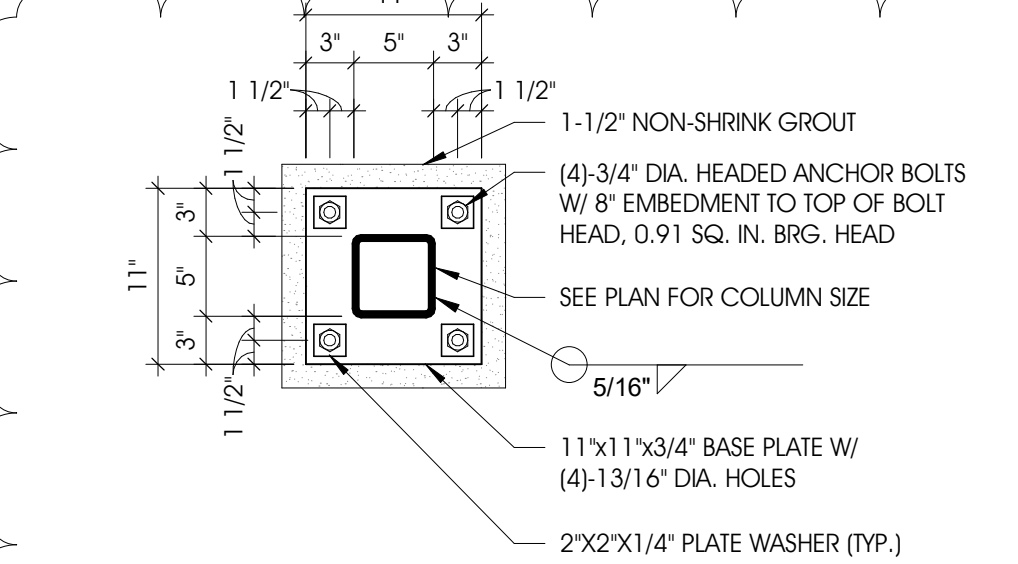
**4 BASE PLATE DETAIL: C2 - C3**  
S3.2 1" = 1'-0"



**3 BASE PLATE DETAIL: C12**  
S3.2 1" = 1'-0"



**2 BASE PLATE DETAIL: C13**  
S3.2 1" = 1'-0"



**1 BASE PLATE DETAIL: C5, C6, C7, C8, C14**  
S3.2 1" = 1'-0"

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

## STRUCTURAL DETAILS

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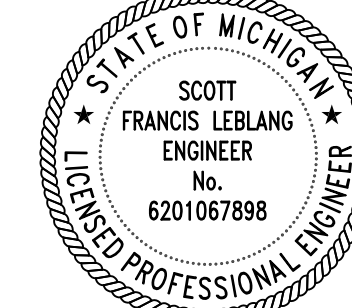
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SHEET NO.

S3.2

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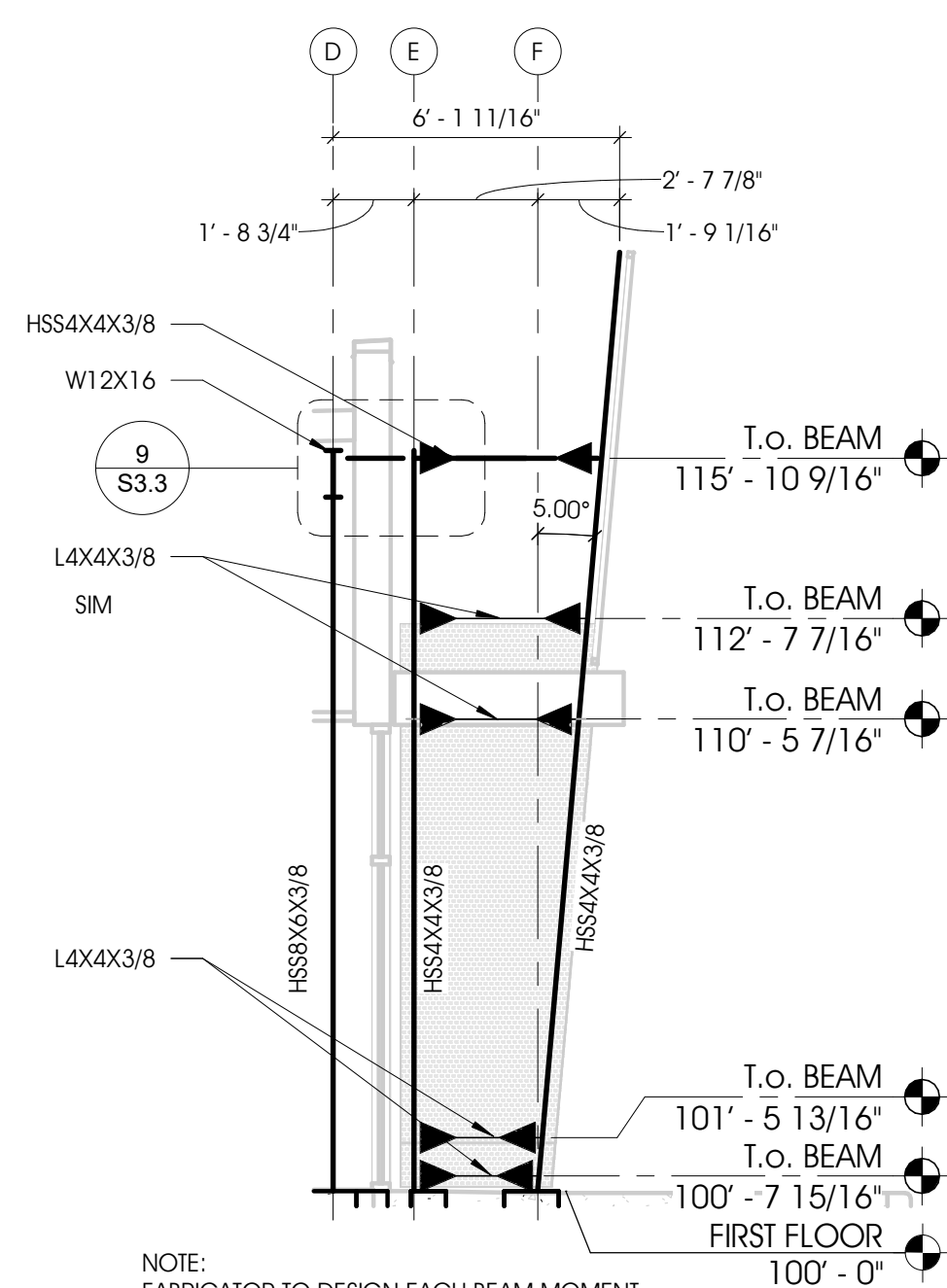
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GOOD  
PROJECT:  
**NILES FACILITY**  
**1707 MILLER DR. NILES, MI**  
**49120**

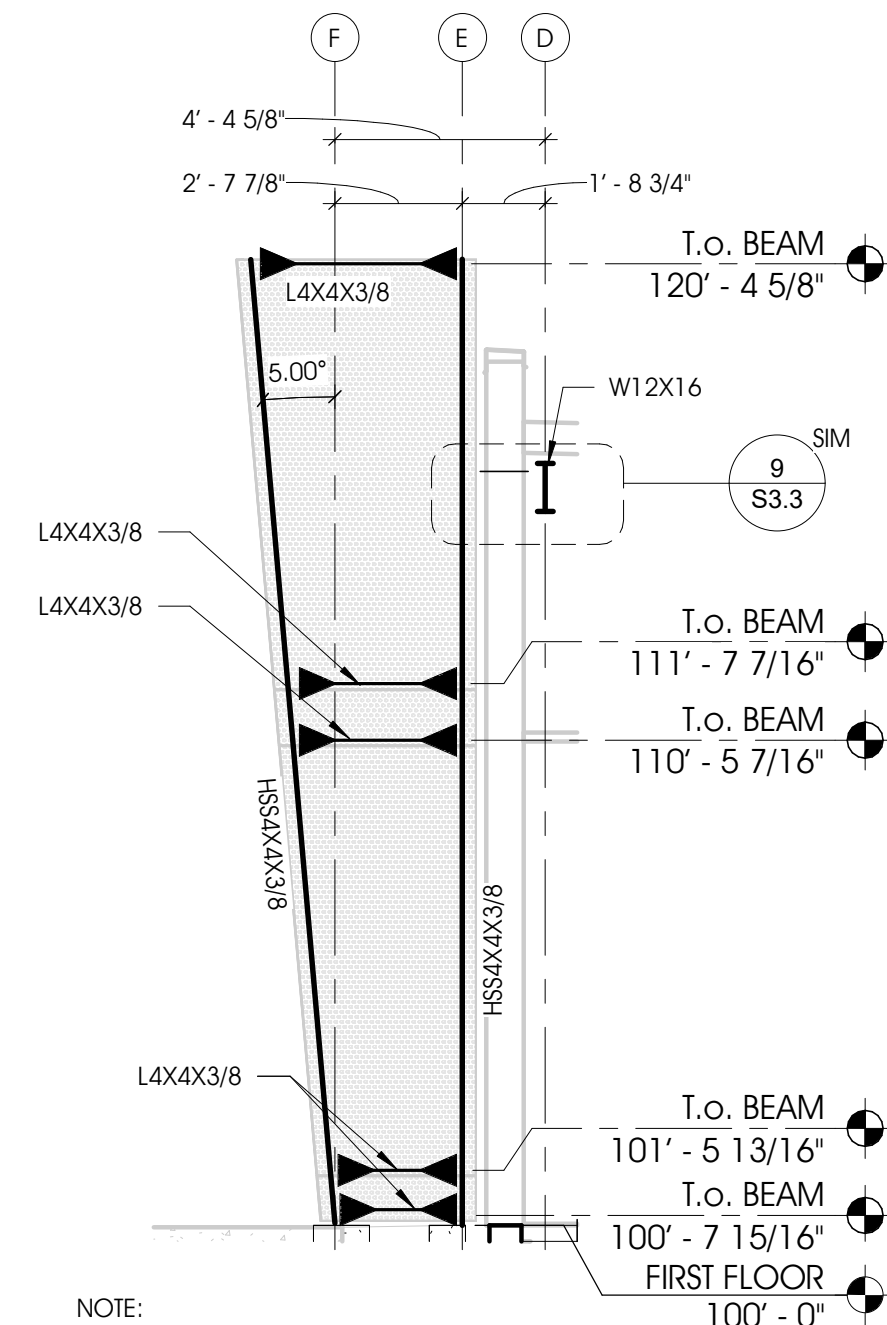
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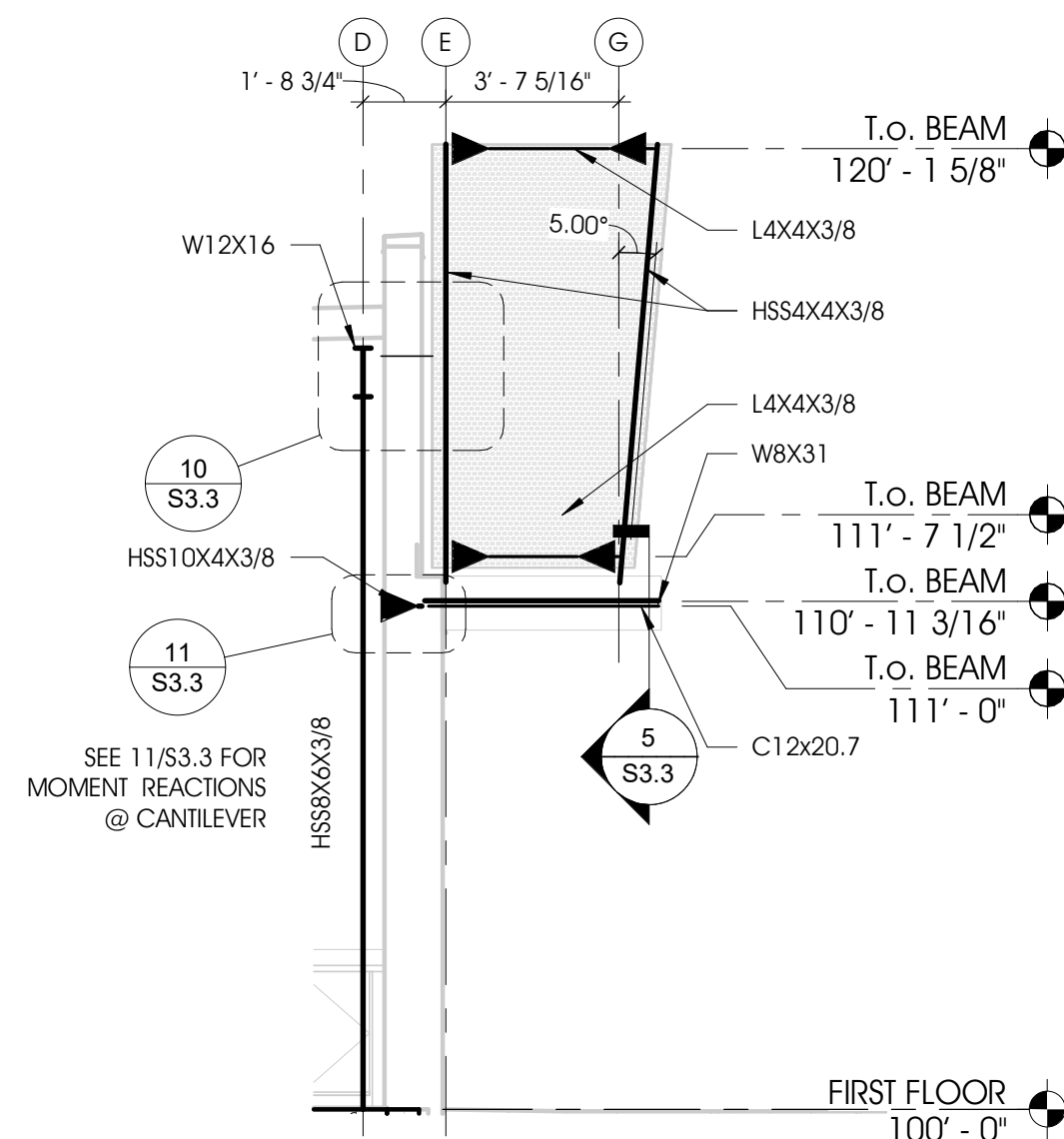




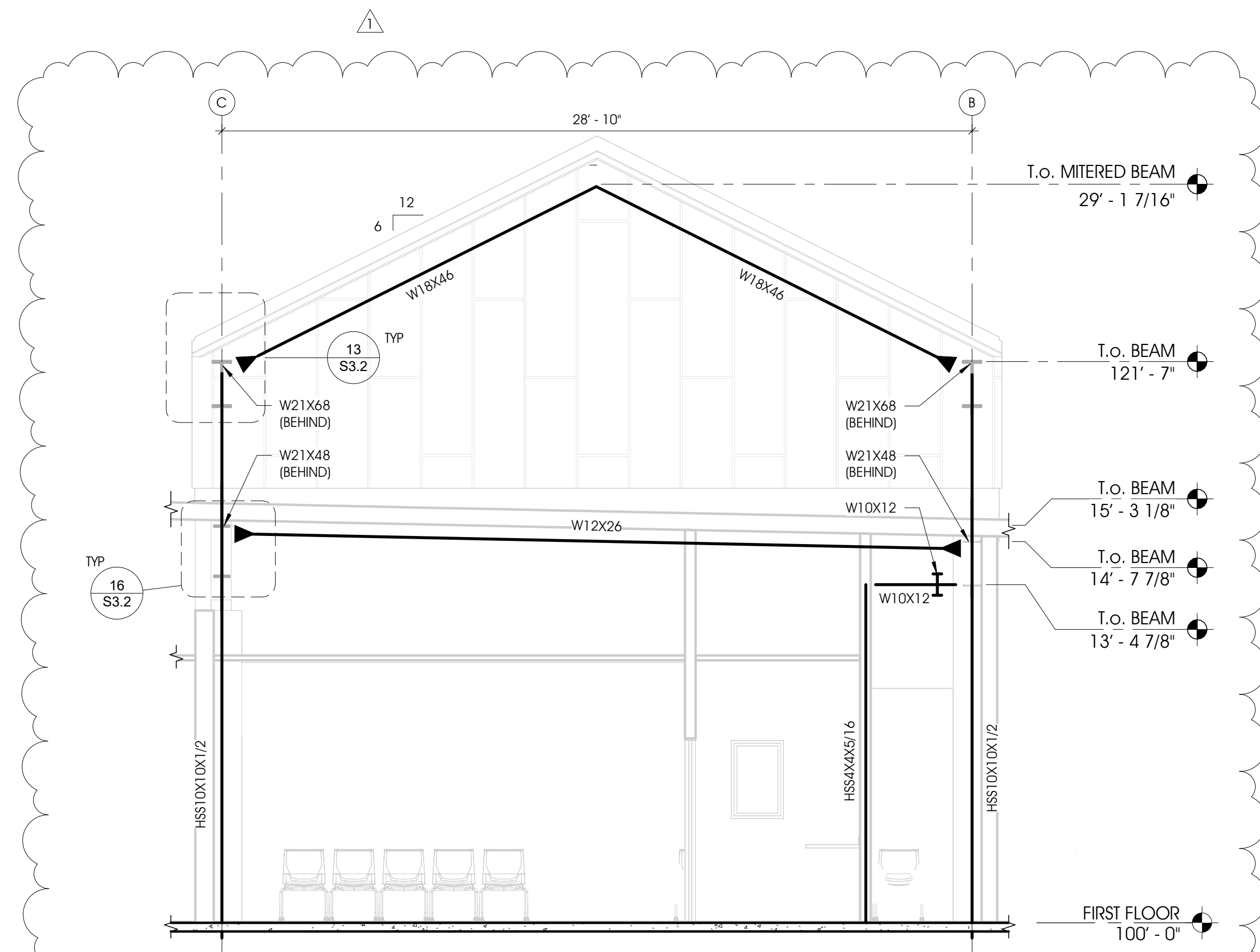
7 ENTRANCE ELEVATION - GRID 2.8  
S4.1 1/4" = 1'-0"



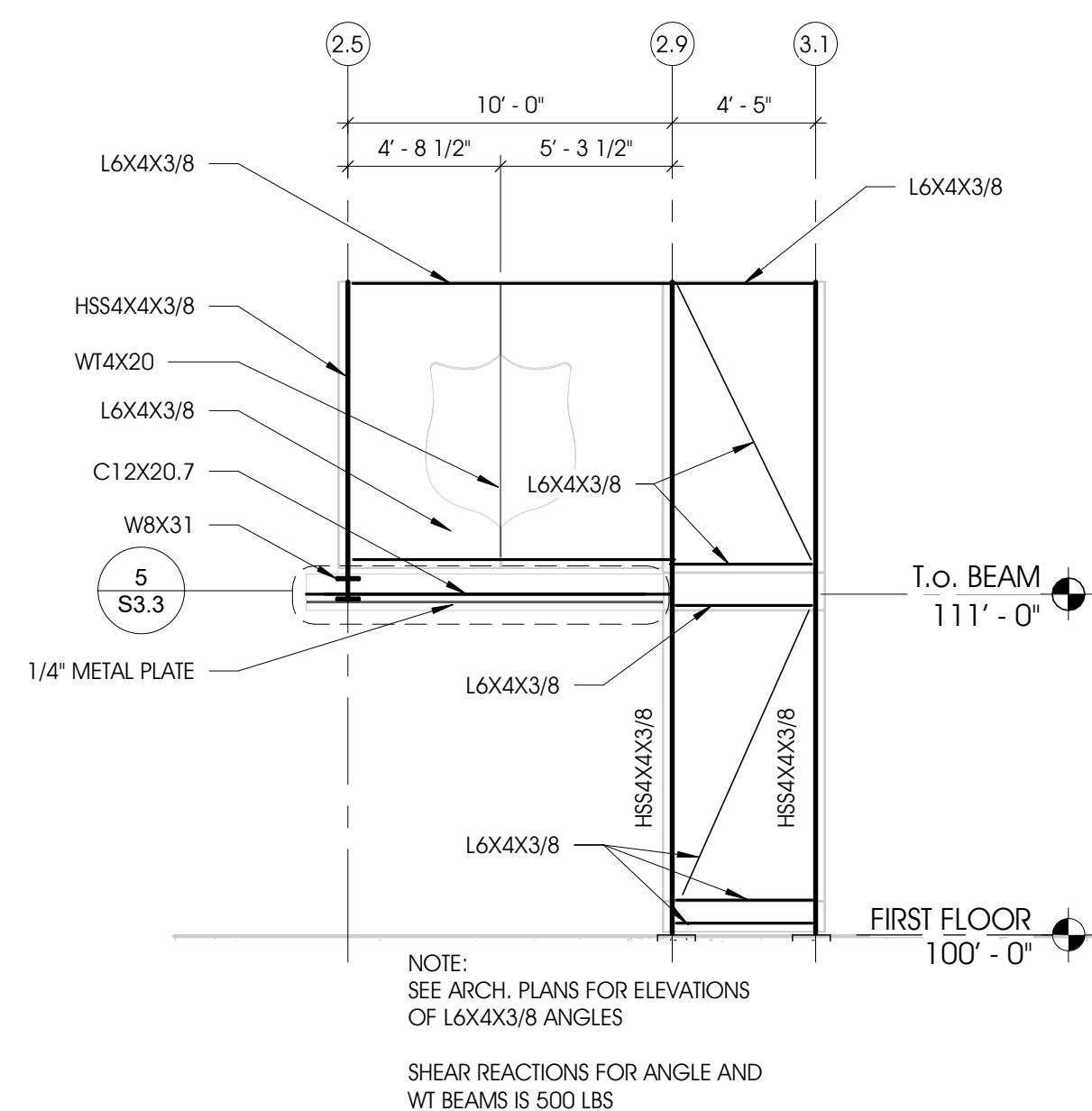
5 ENTRANCE ELEVATION - GRID 3.1  
S4.1 1/4" = 1'-0"



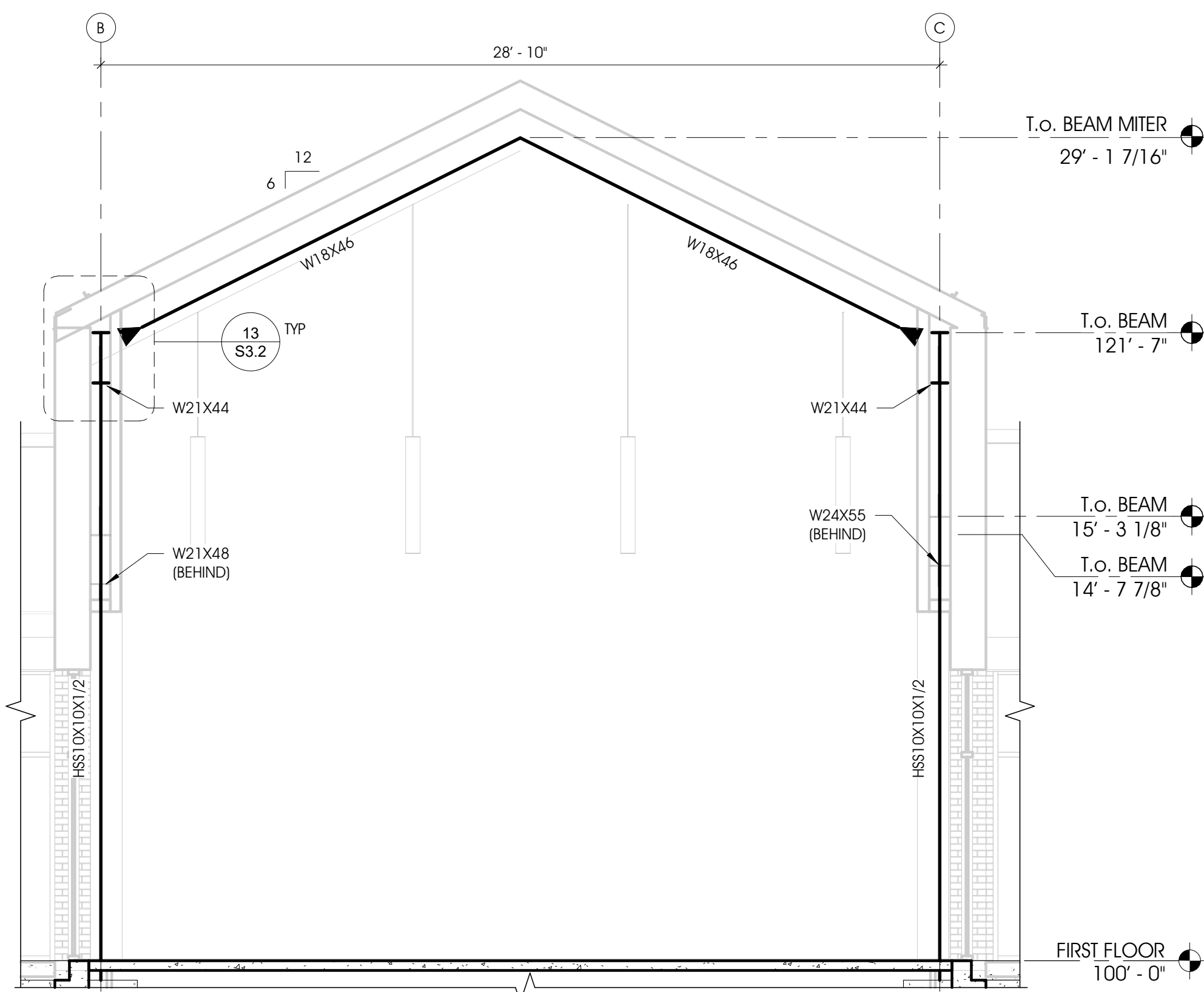
4 ENTRANCE ELEVATION - GRID 2.5  
S4.1 1/4" = 1'-0"



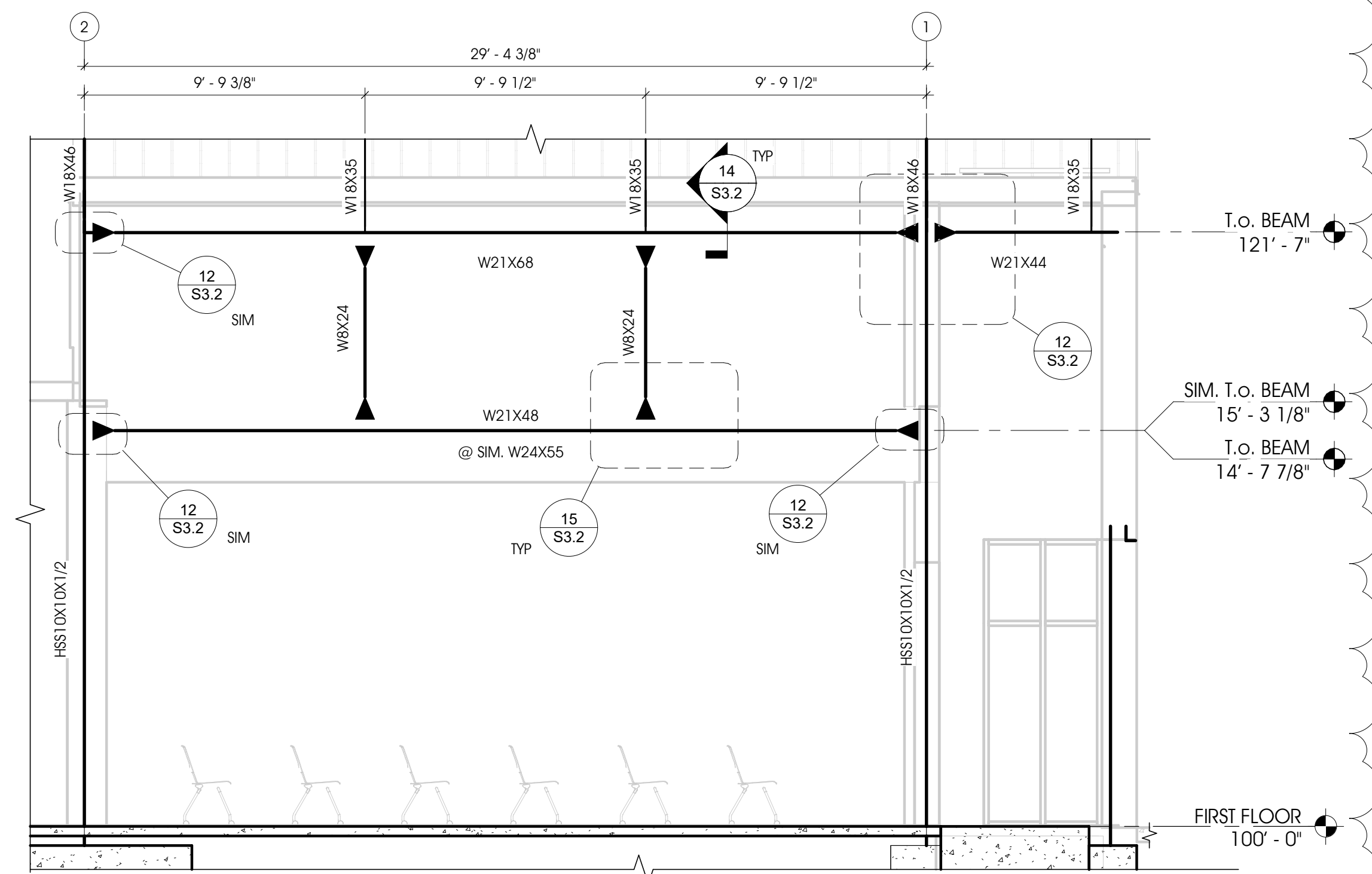
2 CHAPEL ELEVATION - GRID LINE 2  
S4.1 1/4" = 1'-0"



6 ENTRANCE ELEVATION FRONT  
S4.1 3/16" = 1'-0"



3 CHAPEL ELEVATION - GRID LINE 1  
S4.1 1/4" = 1'-0"



1 CHAPEL ELEVATION - GRID LINE B (SIM. @ GRID LINE C)  
S4.1 1/4" = 1'-0"

## STRUCTURAL ELEVATIONS

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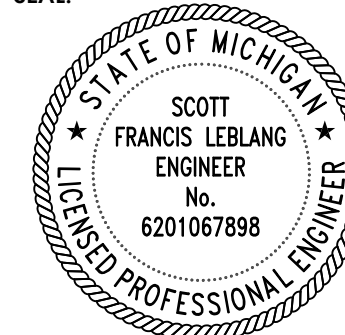
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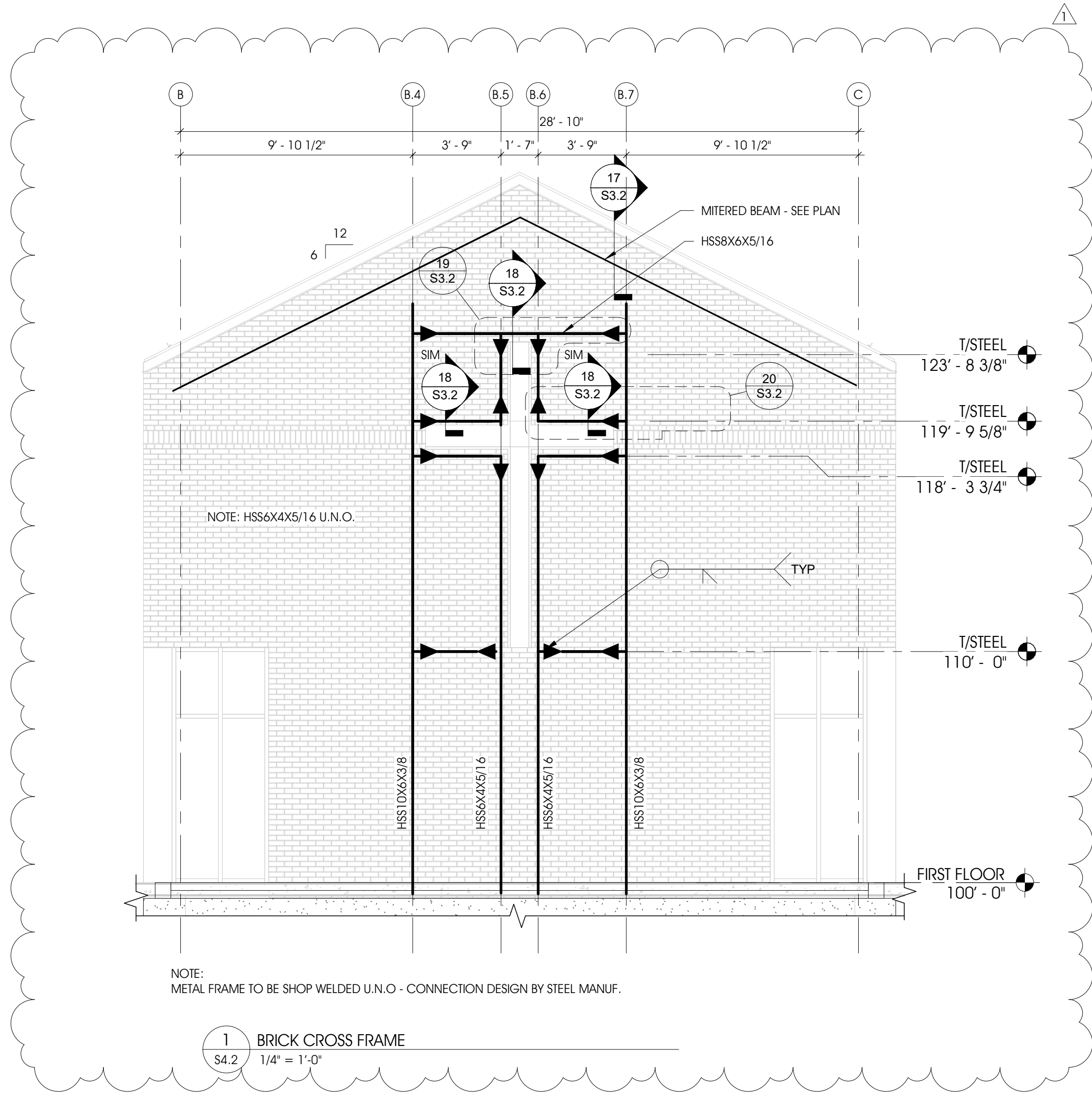
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1	REVISION #1	08/22/2023
NO.	REVISION DESCRIPTION	BY DATE

S4.1

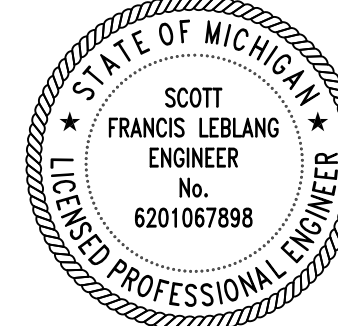


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PROJECT:



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49120



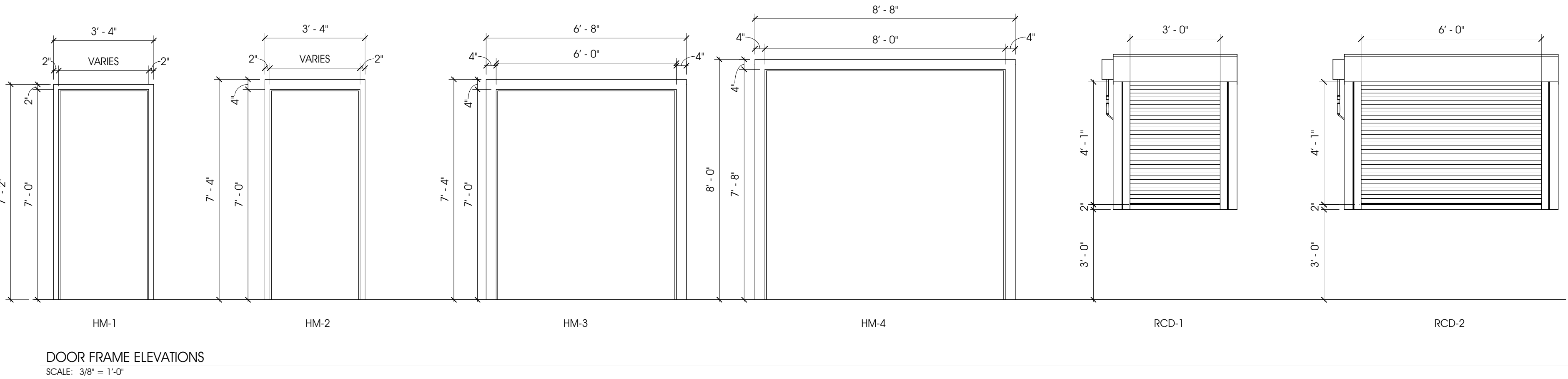
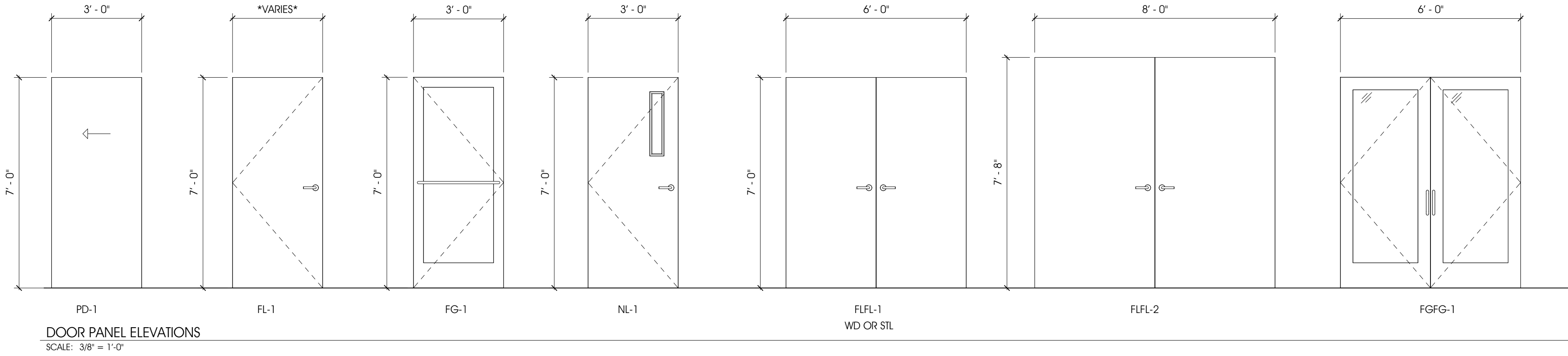
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DOOR SCHEDULES																
NO.	TO ROOM	DOOR			RATING	PANEL				FRAME			HARDWARE GROUP	HARDWARE TYPE	REMARKS	
		HANDING	WIDTH	HEIGHT		TYPE	CORE	MATERIAL	FINISH	GLAZING	TYPE	MATERIAL				FINISH
101-A	VESTIBULE	RHR	6'- 0"	7'- 0"		FGFG-1	INSULATED	ALUM.	AL-1	1" INSUL	SF-B	ALUM	AL-1	22	EGRESS (EXTERIOR)	ELEC. KEY FOB READER
101-B	COMMON AREA	RHR	6'- 0"	7'- 0"		FGFG-1	INSULATED	ALUM.	AL-1	1" INSUL	SF-K	ALUM	AL-1	21	EGRESS (INTERIOR)	ELEC. KEY FOB READER
104-A	RECEPTION	LH	3'- 0"	7'- 0"		NL-1	SOLID	WD	S&V-1	1/4"	HM-1	STL	PT-7	3	OFFICE	
105-A	OFFICE	RH	3'- 0"	7'- 0"		NL-1	SOLID	WD	S&V-1	1/4"	HM-1	STL	PT-7	3	OFFICE	
106-A	OFFICE	LH	3'- 0"	7'- 0"		NL-1	SOLID	WD	S&V-1	1/4"	HM-1	STL	PT-7	3	OFFICE	
107-A	OFFICE	LH	3'- 0"	7'- 0"		NL-1	SOLID	WD	S&V-1	1/4"	HM-1	STL	PT-7	3	OFFICE	
108-A	OFFICE	RH	3'- 0"	7'- 0"		NL-1	SOLID	WD	S&V-1	1/4"	HM-1	STL	PT-7	3	OFFICE	
109-A	TOILET	RH	3'- 0"	7'- 0"		FL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	1	PRIVACY	
110-A	CORRIDOR	LH	3'- 0"	7'- 0"		FG-1	SOLID	WD	AL-1	1/4"	SF-L	ALUM	AL-1	-	PASSAGE	ELEC. KEY FOB READER
111-A	PANTRY	LH	3'- 0"	7'- 0"		SF-1	SOLID	WD	S&V-1	1/4"	SF-N	ALUM	PT-1	5	OFFICE	
111-B	PANTRY	RHR	3'- 6"	7'- 0"		NL-1	INSULATED	STL	PT-1	1/4"	HM-1	STL	PT-7	16	PASSAGE	ELEC. KEY FOB READER
112-A	CORRIDOR	RH	3'- 0"	7'- 0"		FG-1	SOLID	WD	S&V-1	1/4"	SF-R	STL	PT-7	23	PASSAGE	
112-B	CORRIDOR	RH	3'- 0"	7'- 0"	90 MIN.	FG-1	SOLID	WD	S&V-1	1/4"	SF-R	STL	PT-7	23	PASSAGE	
112-C	CORRIDOR	RHR	3'- 4"	7'- 0"		FL-1	INSULATED	ALUM.	AL-1	1" INSUL	SF-K	ALUM	AL-1	27	EGRESS (EXTERIOR)	
113-A	MULTI-PURPOSE	RH	3'- 0"	7'- 0"		FL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	4	PASSAGE	
114-A	MULTI-PURPOSE	RH	3'- 0"	7'- 0"		FL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	3	PASSAGE	
115-A	MULTI-PURPOSE	LH	3'- 0"	7'- 0"		FL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	3	PASSAGE	
117-A	LACTATION ROOM	LH	3'- 0"	7'- 0"		FL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	2	PRIVACY	
118-A	TOILET	RH	3'- 0"	7'- 0"		FL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	2	PRIVACY	
119-A	TOILET	LH	3'- 0"	7'- 0"		FL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	2	PRIVACY	
120-A	TOILET	RH	3'- 0"	7'- 0"		FL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	11	PRIVACY	
121-A	TOILET	RH	3'- 0"	7'- 0"		FL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	10	PRIVACY	
122-A	TOILET	LH	3'- 0"	7'- 0"		FL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	2	PRIVACY	
123-A	TOILET	RH	3'- 0"	7'- 0"		FL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	2	PRIVACY	
124-A	TOILET/ SHOWER	LH	3'- 0"	7'- 0"		FL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	2	PRIVACY	
125-A	RECEIVING	RHR	8'- 0"	7'- 8"		FLFL-3	INSULATED	STL	PT-1	-	HM-4	GAL STL	PT-7	26	STORAGE	ELEC. KEY FOB READER
125-B	RECEIVING	RHR	3'- 0"	7'- 0"		FL-1	INSULATED	STL	PT-1	-	HM-2	GAL STL	PT-7	24	EGRESS (EXTERIOR)	PROVIDE DOOR VIEWER
125-C	OPEN OFFICE	RH	3'- 0"	7'- 0"		FL-1	INSULATED	STL	PT-1	-	HM-1	STL	PT-7	14	STORAGE	ELEC. KEY FOB READER
125-D	RECEIVING	LHR	3'- 0"	7'- 0"		FL-1	INSULATED	STL	PT-1	-	HM-1	STL	PT-7	15	STORAGE	ELEC. KEY FOB READER
126-A	MECHANICAL	LH	3'- 0"	7'- 0"		FL-1	INSULATED	STL	PT-1	-	HM-1	STL	PT-7	12	STORAGE	
127-A	STORAGE	LH	3'- 0"	7'- 0"		FL-1	INSULATED	STL	PT-1	-	HM-1	STL	PT-7	17	PASSAGE	
128-A	KITCHEN	RH	3'- 0"	7'- 0"		FL-1	INSULATED	STL	PT-1	-	HM-1	STL	PT-7	6	PASSAGE	
128-B	KITCHEN	LH	3'- 0"	7'- 0"	90 MIN.	FL-1	INSULATED	STL	PT-1	-	HM-1	STL	PT-7	9	PASSAGE	
128-C	KITCHEN	-	3'- 4"	4'- 0"		RCD-1	-	-	-	-	-	STL	PT-7	29	-	
128-D	KITCHEN	-	3'- 0"	4'- 0"		RCD-1	-	-	-	-	-	STL	PT-7	29	-	
128-E	KITCHEN	-	6'- 0"	4'- 0"		RCD-2	-	-	-	-	-	STL	PT-7	29	-	
128-F	KITCHEN	-	3'- 0"	4'- 0"		RCD-1	-	-	-	-	-	STL	PT-7	29	-	
129-A	DINING/MULTI-PURPOSE	RHR	6'- 0"	7'- 0"		FLFL-1	INSULATED	STL	PT-1	-	HM-3	GAL STL	PT-7	25	EGRESS (EXTERIOR)	
129-B	DINING/MULTI-PURPOSE	RHR	3'- 0"	7'- 0"	90 MIN.	FG-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	19	PASSAGE	
129-C	DINING/MULTI-PURPOSE	LHR	3'- 0"	7'- 0"		FG-1	INSULATED	ALUM.	PT-1	-	SF-1	ALUM	PT-1	27	EGRESS (EXTERIOR)	
130-A	CHAPEL/MULTI-PURPOSE	RHR	6'- 0"	7'- 0"	90 MIN.	FLFL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	18	EGRESS (INTERIOR)	
130-B	CHAPEL/MULTI-PURPOSE	LHR	3'- 0"	7'- 0"	90 MIN.	NL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	20	EGRESS (INTERIOR)	ELEC. KEY FOB READER
131-A	AV CLOSET	RH POCKET	3'- 0"	7'- 0"		PD-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	28	POCKET	
132-A	STORAGE	RHR	6'- 0"	7'- 0"		FLFL-1	SOLID	WD	S&V-1	-	HM-1	STL	PT-7	7	STORAGE	

GENERAL NOTES - DOORS

- A. EXTERIOR DOORS & FRAMES SHALL BE INSULATED (TYP.)
- B. PROVIDE TEMPERED GLASS @ ALL DOORS AND OPERABLE WINDOWS.
- C. ROLLING / COILING DOORS SHALL BE STAINLESS STEEL WITH INTEGRAL COUNTERTOP.

DOOR LEGEND

- PD = POCKET DOOR  
FL = FLUSH  
FG = FULL GLASS (MEDIUM STYLE)  
HM = HOLLOW METAL  
AL = DARK BRONZE ANODIZED ALUMINUM  
SF = STOREFRONT

DOOR SCHEDULES

SHEET TITLE:

MODELED BY: JCA

DESIGNED BY: ARD

PM REVIEW: ARD

QA/QC REVIEW: MDN

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22-0578

SHEET NO.

A8.2  
(ADD 1.1)

1	ADDENDUM 001	MDN	08/22/23
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