

**Highland Township Fire Department
Fire Station No. 1**

**ADDENDUM No. 3
April 30, 2020**

Bid Proposal Due Date: **Changed to: May 5, 2020 @ 2:00PM**

The following clarifications and/or Changes made to the Contract Documents are hereby made part of the Contract Documents.

All bidders shall be held responsible to review the Addendum and to include in its Bid Proposal all Work reasonably inferred to be included in its Scope of Work.

Acknowledge receipt of this Addendum in the space provided on the Bid Proposal Form.

1. Division 00 – Bidding and Contract Requirement Modifications:

a) Section 00300-Bid Division 600-Carpentry-Not issued

1. Delete Furnishing & Installation of Cedar Timber Truss
2. Add Furnishing & Installation of Wood Composite Spec Plastic
 - Alternate No. 3 Training Deck
3. Add Furnishing & Installation of Rigid Wall Covering

2. Division 01 – Bidding and Contract Requirement Modifications:

3. Clarifications/Questions

a) Clarifications

1. Light Fixture “D” will need to be IC rated for all fixtures located in Mezzanine 201, EMS 202 & Training Equipment Room 204.
2. Light Fixture “D2” located in Apparatus Bay must provide field box around fixture housing to keep insulation 3”-6” away from housing
3. Lighting Fixture Schedule on E0-03 to be updated as follows:
 - Type “I” LED Decorative Pendant Mounted Lighting fixture, Barn Light Electric Co, Wilcox Integrated LED Series: BLE-C-DBW16-100-SBK-100-SBK-NA-NA-NA-LED43-3500K-FL or approved equal
 - Type “J” LED Wall Mounted at 16’AFF or as directed by architect, luminaire, wet location, listed, aluminum housing, goodneck mounting style, finish selected by architect/owner, ANP Lighting: MBVA14-M024LDD-W-40k- -E6- -41-UNV SERIES or approved equal
 - Type “K” LED Decorative pendant mounted lighting fixture, 1-10V dimming. 120V and Max. 30W. Finish selected by architect/owner, Barn Light Electric Co, Wilcox Integrated LED series: BLE-C- DBW12-100-SBK-100-SBK-NA-NA-NA-LED27-3500K-FL or approved equal
4. Schedule on Electrical Site Plan E1-00 to be updated as follows:
 - Label: “SA” Quantity: As indicated on drawings plus an additional 3 Catalog Number: BVA2401-PL117LD4-D-T3-40K-SP-PA1753-41 CB0101-4S16.188-4S16.188-41

**Highland Township Fire Department
Fire Station No. 1**

b) Questions

1. Q: How is the TV going to get mounted provide detail
 - A: Mounted onto wooden fins. Secure fins to metal framing above and below.
2. Q: Refer to Sheet M2-01 Note No. 4, are we to include an Ansel System due to the type of Exhaust Fan?
 - A: Per Mechanical code, the Range Hood does not need to be a Type 1
3. Q: Refer to Sheet A6-10 Detail No. 8, you call for the exterior wall to be 8", should it be 12"?
 - A: No, the southern wall of the training room only has to be 8" CMU.\
4. In the riser key notes, it doesn't show notes 6, 7 and 8, but they are drawing by the generator? It also shows a note 5 next to the generator, but that note is for the VFD's. I am assuming that is supposed to be note 6? (Addendum #1 Answers - Electrical Riser Diagram on E0-02 to be coordinated and updated in Addendum #2. More answers to follow.
 - A: Key notes for generator to be revised to note 6 and add new keynote to read:

COORDINATE WITH APPROVED GENERATOR SUBMITTALS FOR EXACT REQUIREMENTS AND PROVIDE SERVICES AS REQUIRED. PROVIDE BRANCH CIRCUITS FROM RP-1B.
5. Q: Should windows in room 137 be W-5, not W-1?(Addendum #1 Answers - Yes, room 137 windows to be changed to W-5. – to be issued in addendum 2)
 - A: Windows in room 137 have now been removed from the project.
6. Q: There are no specs for the sound and radio systems, and the riser diagram says, see sheets E2.01 and E2.02 for quantities and locations, but these sheets are not in the drawing set. –(Addendum #1 Answer - to be provided in Addendum 2)
 - A: Note number 2 of the P.A. Riser Diagram on E5-00 is to be changed to read:

Coordinate with owner and system manufacturer to determine maximum performance and coverage, complete functional system with all components shall be included in base bid.
7. Q: The drawings for the Fire alarm system, only shows 8 detectors, 1 flow/tamper switch and 1 horn strobe unit, is this the extent of the fire alarm system?
 - A: Fire Alarm System is a delegated design and will need to be designed per NFPA 13. Performance spec provided only.
8. Q: BC 800 Doors/Frames/Hardware. The Flush wood Door spec lists both particleboard core doors and structural composite lumber (SCL) Door ores? SCL core is considerably more expensive than the common particle core Doors. Are we to provide SCL core or particleboard core?
 - A: Core type specified for all Interior Solid-Core Doors here:
specification 081416 2.3 A 7
9. Q: Is electric safety edge also required?
 - A: As per Specification 2.8 E 1

**Highland Township Fire Department
Fire Station No. 1**

10. Q: What is glass type? IE ½" DSB is considered standard.
- A: Clear Tempered 1/2" Insulated
11. Q: Please clarify 2.2 G10
- A: The Electric Door Operator shall have a virtual control and monitoring wireless ability that coordinates to a cell phone app.
12. Q: Refer to Addendum No. 2 PIA Write-up, Item A10-D. Please Clarify your statement; Are you suggesting to add vapor barrier (Vis-Queen) below attic insulation and adhered to the bottom of the trusses or is K-faced insulation sufficient for this requirement?
- A: Provide Kraft-faced batt insulation for first layer of Attic Insulation. Must be fully adhered to the underside of bottom chord of metal truss. Second layer of batt insulation should not have a kraft- face.
13. Q: Refer to Addendum No. 2 PIA Write-up, Item A10-B, and Please Clarify your statement; Added insulation baffles at all overhangs – some of the details call for insulation in the soffits, is this being removed now since there are baffles being added? As this would defeat the purpose of the baffles if the soffits were blocked with insulation.
- A: Yes, all batt insulation in the soffits are removed so it does not interfere with the baffles.
14. Q: Provide contact information for the AIRVAC 911 system
- Tom Vitko-Regional Sales Manager
Air Vacuum Corporation
P.O. Box 0517 | Dover, NH 03821-0517
800.540.7264 | p: 603.743.4332 | f: 603.743.3111
tom@airvacuumcorporation.com
www.airvac911.com
15. Q: Refer to Sheet A5-01 Note 6 & 7, Provide Spec; Cedar Timber Truss Spec & Wood Composite Spec
- A: Cedar Timber Truss will not need a specification section. Wood Composite spec was included in the Composite Decking specification 061533
16. Q: On the electrical plans, I see the triangles for low voltage on the electrical plans, but no real description.
17. I don't see any detail in the RFP on communications – usually Division 27
- A: Please refer to Section 260533 (2.6) for telecom outlet requirements, and for additional information to Sections 260500, 262726 for electrical scope related to telecommunications in this project to be included as base bid. Telecommunication Detail on SK-1 included in Addendum 3 for reference.
18. Q: Please clarify and confirm S4-02, Detail 12 /S-400 and Lintel Schedule Lintel Schedule calls out for an added plate W16X45 + 3/8" PLATE BP3 also has 3/8" Plate, confirm these are separate items? Confirm flat plate is continuous? Confirm flat plate is continuous or spot welded to W beam?
- A: Refer to detail 7 on Sheet S4-02

4. Documents

a) Partners in Architectural, PLC Partners in Architectural, PLC

1. Write up and drawings – See Attached

ADDENDUM 3

Project Name: Highland Township – Highland Township Fire Station No. 1 Addendum No: Three (3)

Project Number: 18-122A Issue Date: April 30, 2020
Project Location: 1600 W. Highland Rd. Highland, MI 48357

This Addendum forms a part of the above described Architectural & Structure Bidding/Permit documents and supersedes, supplements or clarifies parts thereof to the extent defined by the terms set forth in this Addendum.

This Addendum consists of (1) typed page(s) and the following attachments :

Drawings: Exterior Elevations (A5-01), Wall Section (A6-01), Roof Framing Plan (S3-03), Details (S5-01),
Questions & Clarifications – Addendum 3, Typical Telecommunication Outlet Detail (SK-01)

ARCHITECTURAL DRAWINGS:

- ITEM A1 A5-01 EXTERIOR ELEVATIONS
A. Add wood bracket detail 5/A5-01.
B. Add and revise wood bracket notes and dimensions.
- ITEM A2 A6-01 WALL SECTION
A. Update Truss and Bracket detail on 2/A6-01.
B. Revise notes

STRUCTURAL DRAWINGS:

- ITEM S1 S3-03 ROOF FRAMING PLAN
A. Update notes and section 6/A5-01.
- ITEM S2 S5-01 DETAILS
A. Add notes and revise details for truss and bracket on detail 6/A5-01.

ELECTRICAL DRAWINGS:

- ITEM E1 SK-01 TYPICAL TELECOMUNICATION OUTLET DETAIL
A. New clarification detail issued.

****END OF ADDENDUM****

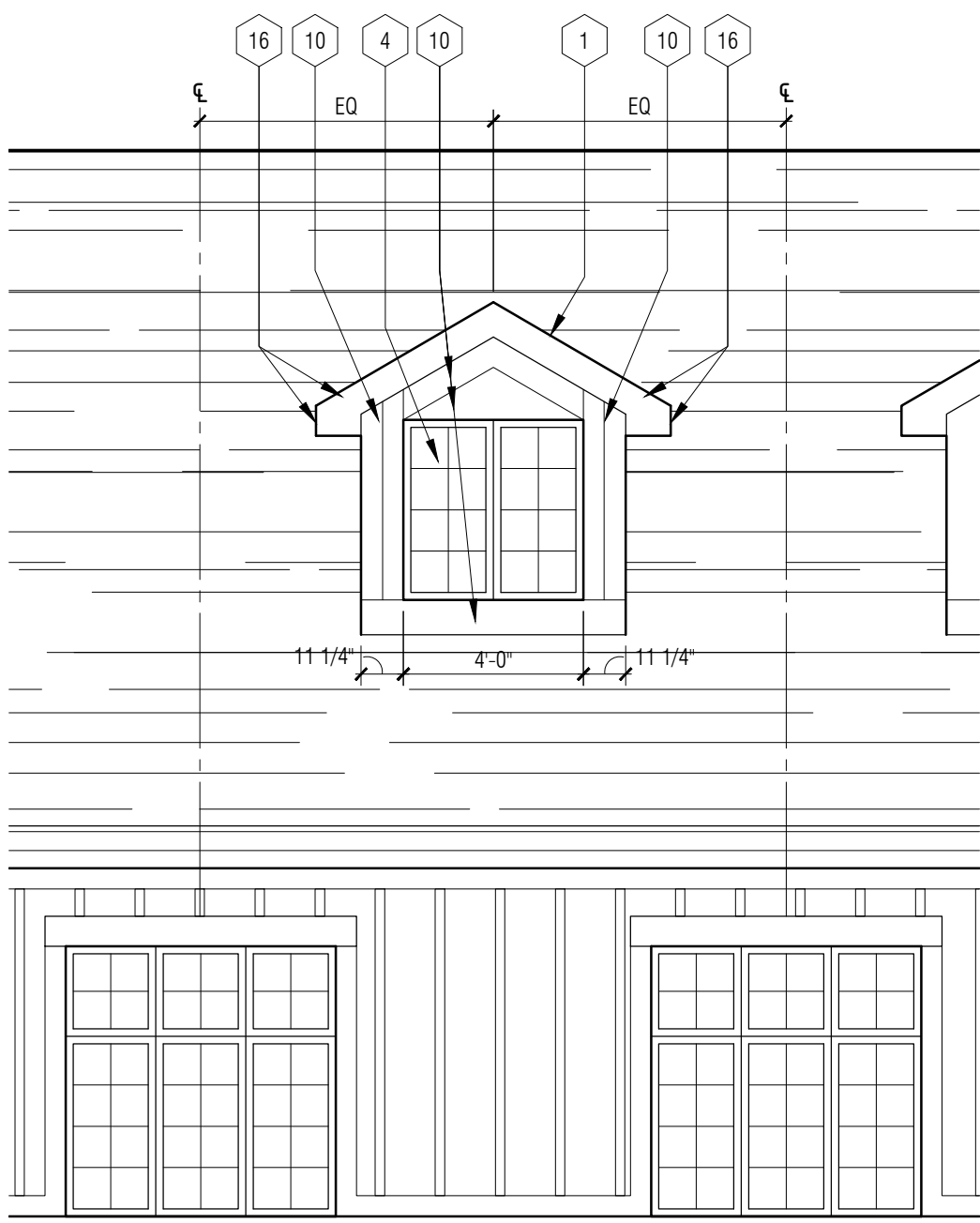
Bidding - Construction	03/27/20
Addendum #1	04/20/20
Addendum #2	04/27/20
Addendum #3	04/30/20

EXTERIOR ELEVATIONS GENERAL NOTES:

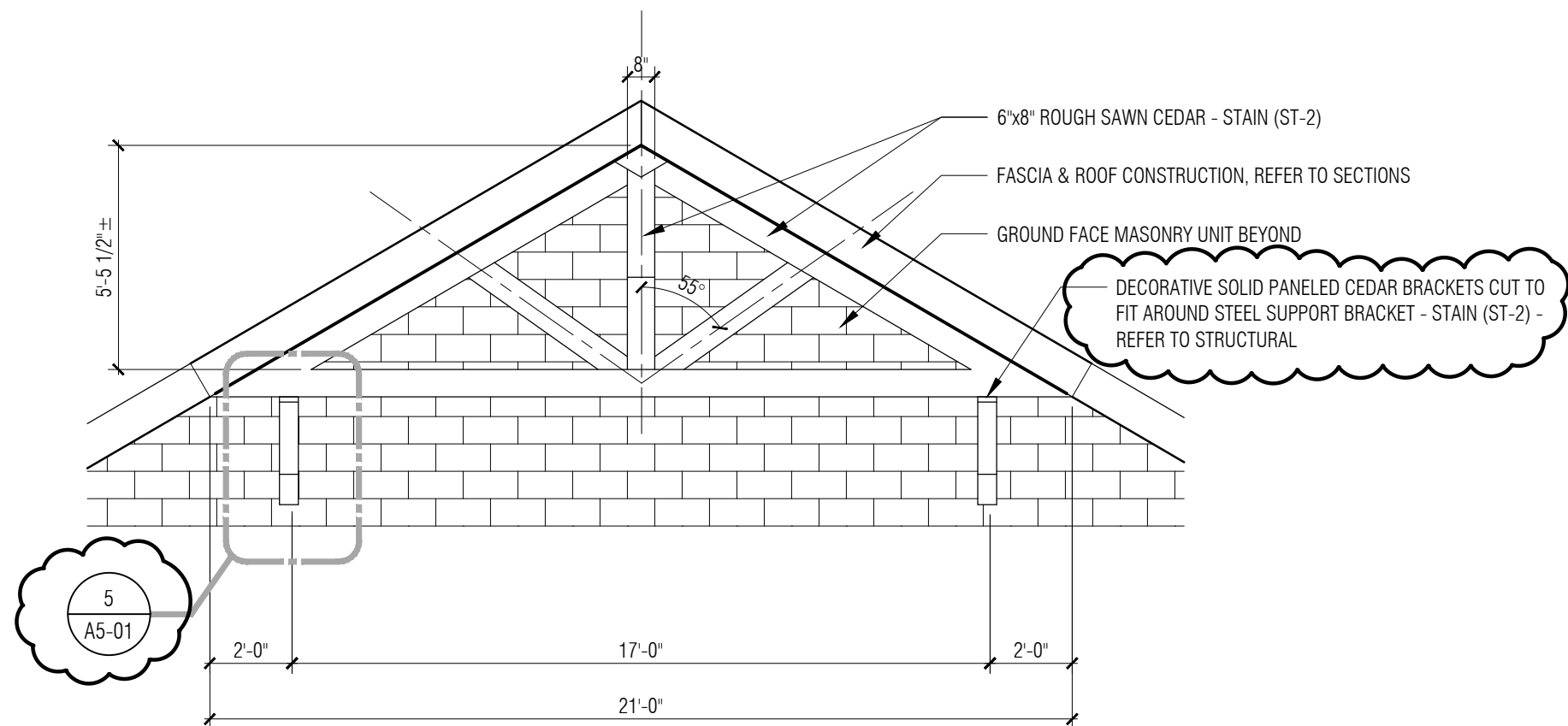
- A. REFER TO MATERIAL FINISH / COLOR SCHEDULE (SPEC SECTION 000200) FOR ALL MATERIAL NOTES.

EXTERIOR ELEVATIONS KEY NOTES:

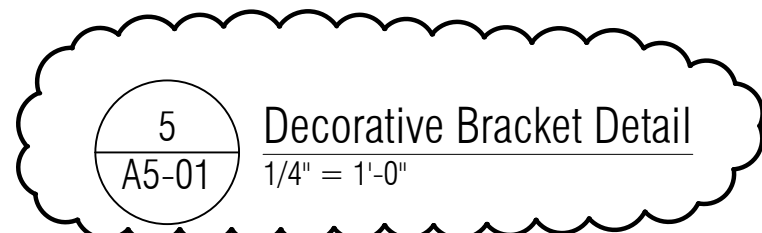
- 1 ASPHALT ROOF SHINGLES (ARS-1)
- 2 GROUND FACE MASONRY UNIT W/ CAVITIES FILLED W/ INSULATION (GFMU-1)
- 3 FULL BED DEPTH NATURAL STONE (STN-1)
- 4 ALUMINUM CLAD FIXED WOOD WINDOW - REFER TO SHEET A0-04.
- 5 CEDAR TIMBER TRUSS - REFER TO DETAIL 4/A5-01.
- 6 WOOD-PLASTIC COMPOSITE LUMBER (CL-1)
- 7 WOOD-PLASTIC COMPOSITE LUMBER (CL-2)
- 8 PIPE GUARDRAIL ON BALCONY - ALTERNATE #3
- 9 METAL SOFFIT (MS-1)
- 10 FIBER-CEMENT TRIM BOARD (SD-3) - PAINT
- 11 ALUMINUM GUTTER (MRS-2) ON ALUMINUM FASCIA (MRS-1)
- 12 FIBER-CEMENT BOARD & BATTEN SIDING (SD-1 & SD-2) - PAINT
- 13 FIBER-CEMENT SOFFIT (SD-4) - PAINT
- 14 GOOSENECK LIGHT FIXTURE - SEE ELECTRICAL
- 15 DOOR AND FRAME AS SCHEDULED - REFER TO SHEET A0-04
- 16 ALUMINUM FASCIA (MRS-1)
- 17 CAST STONE SILL (CS-1)
- 18 MECHANICAL UNIT - REFER TO MECH.
- 19 ALUMINUM STOREFRONT WINDOW AS SCHEDULED - REFER TO SHEET A0-04
- 20 ALUMINUM STOREFRONT WINDOW W/ MULLIONS AS SCHEDULED - REFER TO SHEET A0-04
- 21 BASE BID: INSULATED OVERHEAD DOORS - REFER TO SHEET A0-04
ALTERNATE #1: FOUR-FOLD DOORS, REFER TO 012300 - ALTERNATES
- 22 6" CONCRETE FILLED BOLLARD
- 23 BIRD'S BEAK ROOF OVERHANG
- 24 6" BOX CHAMFER METAL GUTTER (MRS-2)
- 25 METAL DOWNSPOUT DRAIN TO GROUND LEVEL (MRS-2)
- 26 PRESSURE TREATED WOOD DECKING - ALTERNATE #3
- 27 SCUPPER, REF 3/A3-31
- 28 MANUAL MECH. VENT - REFER TO MECH.
- 29 THIN VENEER STONE (STN-2)
- 30 LINE OF TRANSITION OF FULL DEPTH TO VENEER STONE - REFER TO DETAIL
- 31 BACKLIT METAL CHANNEL LETTERS - REFER TO SPECIFICATIONS TO SIZING
- 32 LOUVERED VENT
- 33 REFER TO ROOF PLAN A3-30 FOR SINGLE-PLY ROOFING
- 34 GUARD RAIL SECURED TO FLAT ROOF SYSTEM TO MEET OSHA REQUIREMENTS
- 35 LOUVER VENT - ALIGN WITH BLOCK COURSING



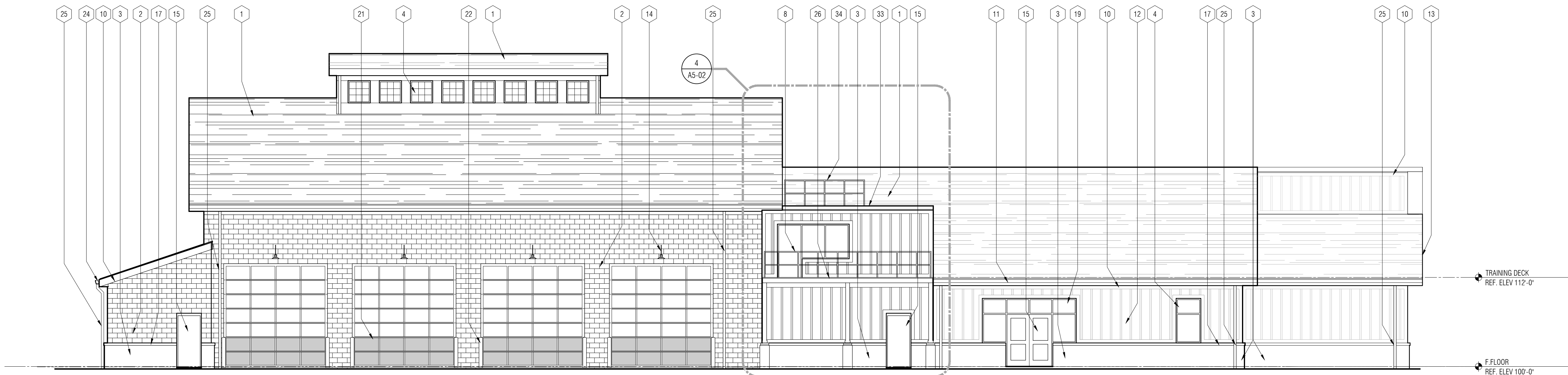
3 Typ. Dormer Elevation
1/4" = 1'-0"



4 Decorative King Post Bracket Elevation
1/4" = 1'-0"



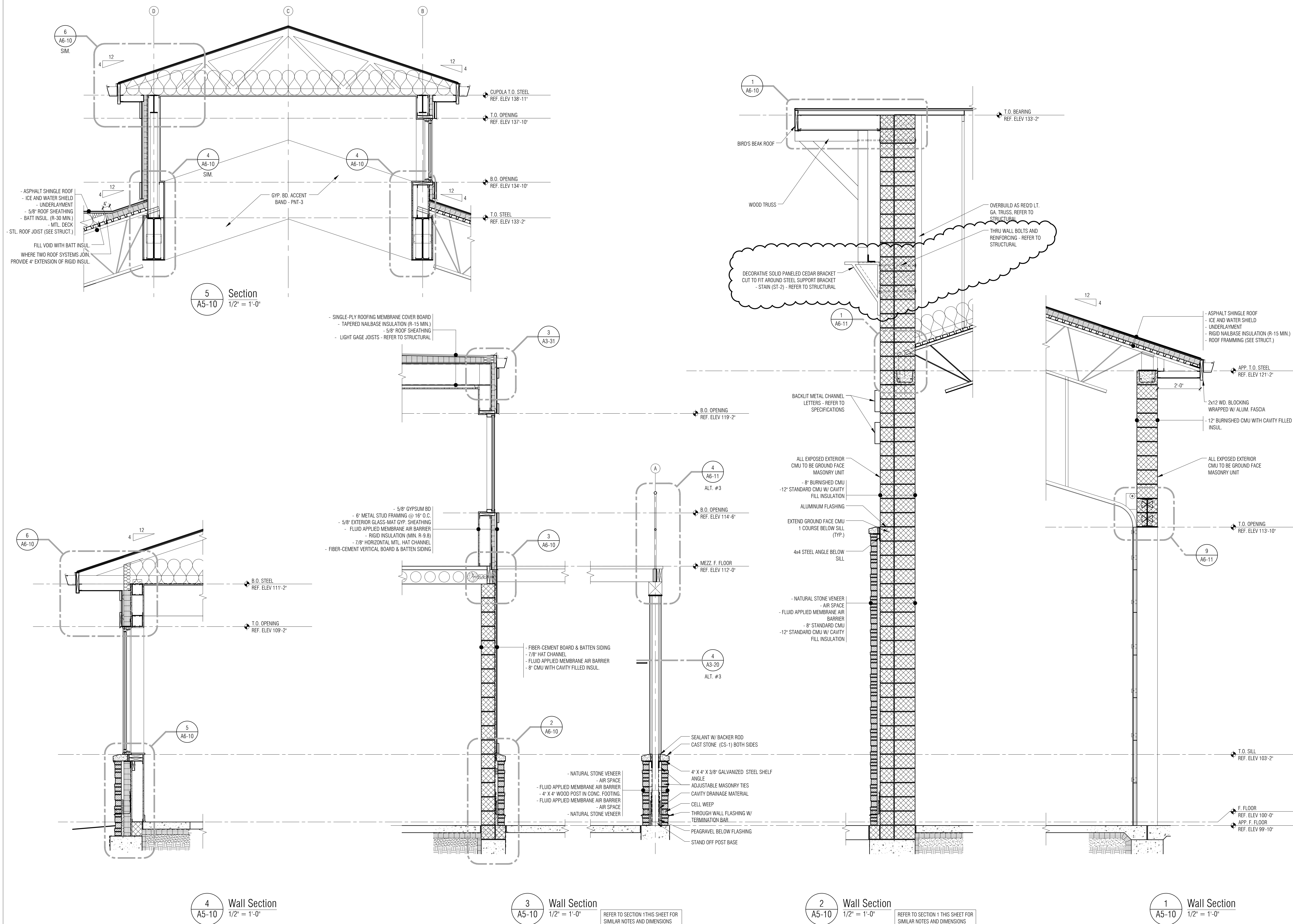
5 Decorative Bracket Detail
1/4" = 1'-0"

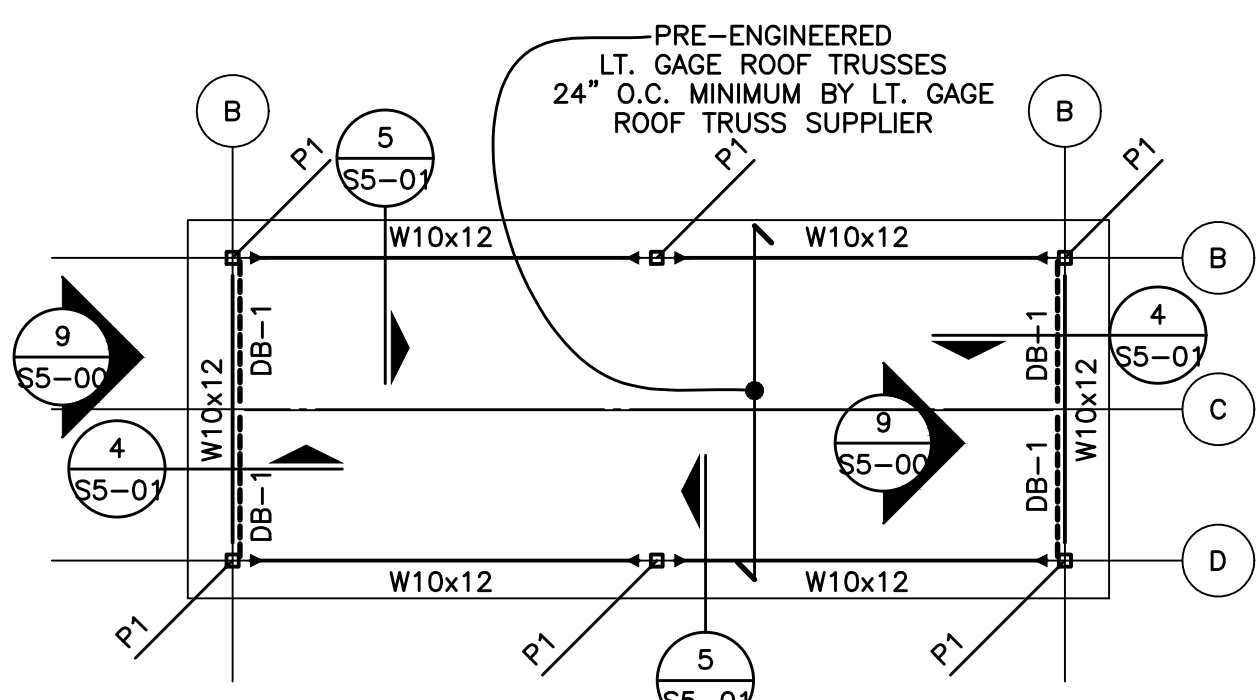


2 North Elevation
1/8" = 1'-0"



1 South Elevation
1/8" = 1'-0"



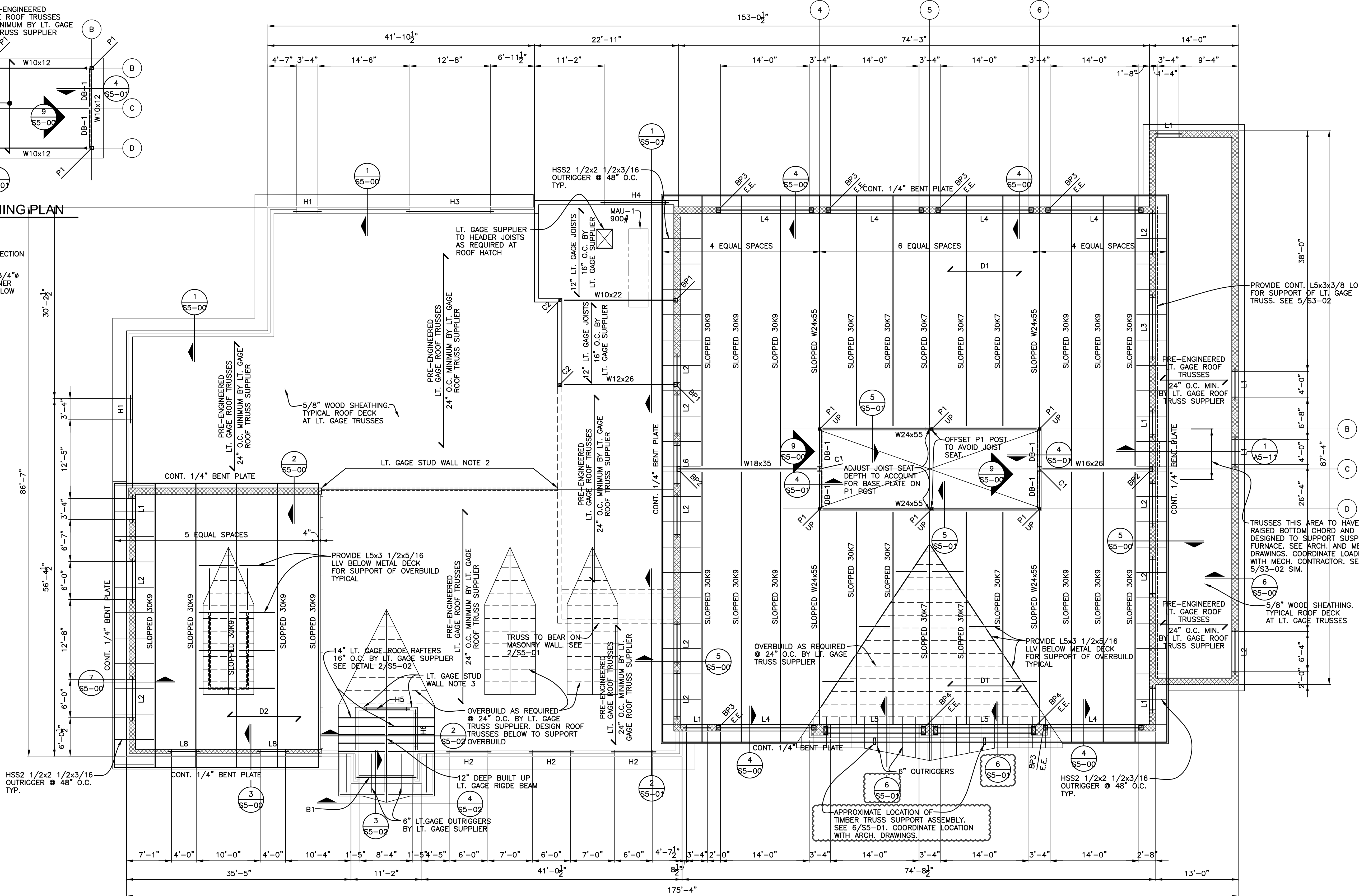


HIGH ROOF FRAMING PLAN
SCALE : 1/8" = 1'-0"

INDICATES FULL MOMENT CONNECTION

P1: HSS4x4x3/8 POST COLUMN WITH 1/2" BASE PLATE & (4) 3/4" Ø BOLTS. PROVIDE 5/16" STIFFENER PLATE EACH SIDE OF BEAM BELOW POST.

DB-1: HSS4x4x1/4 DIAGONAL BRACE. SEE 9/S5-00



LT. GAGE FRAMING NOTES

- ALL LIGHT GAGE METAL MEMBERS AND CONNECTIONS SHALL BE DESIGNED BY LT. GAGE SUPPLIER—SUBMIT SHOP DRAWINGS FOR APPROVAL. DETAILS AND MEMBERS SIZES SHOWN ARE MINIMUM. PROVIDE SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS. SEE LT. GAGE NOTES 1, 2, & 3/S4-00

STUD WALL NOTES: ALL STUDS TO BE 50 KSI

- ALL EXTERIOR BEARING WALL STUDS TO BE 600S162-54 @ 16" O.C. MINIMUM BY LT. GAGE SUPPLIER.
- INTERIOR BEARING WALL STUDS SUPPORTING ROOF TRUSSES ARE TO BE 362S200-54 @ 16" O.C. MINIMUM BY LT. GAGE SUPPLIER. REFER TO ARCHITECTURAL DRAWINGS FOR WALL SCHEDULE.
- INTERIOR BEARING WALL STUDS SUPPORTING ROOF TRUSSES ARE TO BE 600S162-33 @ 16" O.C. MINIMUM BY LT. GAGE SUPPLIER. REFER TO ARCHITECTURAL DRAWINGS FOR WALL SCHEDULE.

B1: HSS6x6x1/4 BENT STEEL TUBE HEADER. MITER ENDS OF TUBES AND WELD ALL AROUND WITH 1/4" FILLET WELD ALL AROUND. SEE DETAIL 4/S5-02



ROOF FRAMING PLAN

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

- D1 1 1/2-22 GA. GALVANIZED WIDE RIB METAL DECK (3 SPAN MINIMUM) SEE DETAIL 6/S5-00

- D2 8" THICK TECTUM "E" COMPOSITE ROOF DECK PANELS CONSISTING ON ONE LAYER 7/16" OSB ON 6 1/2" EPS INSULATION FOAM ON 1 1/2" TECTUM SUBSTRATE. REFER TO SPEC FOR ADDITIONAL INFORMATION.

TYPICAL ROOF SHEATHING IS 5/8" NON-COMBUSTIBLE PLYWOOD. PROVIDE ROOF CLIPS TYPICAL AT PANEL EDGES BETWEEN TRUSSES. STAGGER PLYWOOD JOINTS BETWEEN ROWS OF SHEATHING (OFFSET 4'-0" EACH ROW) ATTACH WITH 8d NAILS 6" O.C. AT EDGES AND 12" O.C. IN THE FIELD

SEE SHEET S4-02 FOR HEADER SCHEDULE

SEE SHEET S4-02 FOR LINTEL AND BEARING PLATE SCHEDULES

DB-1: HSS4x4x1/4 DIAGONAL BRACE. SEE 9/S5-00

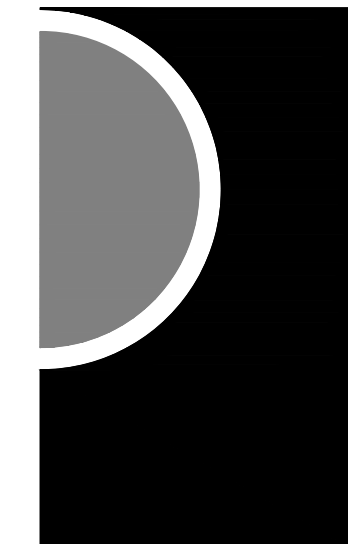
JOIST FRAMING NOTES:

- JOIST SUPPLIER TO PROVIDE BRIDGING AS REQUIRED PER SJI
- JOIST SUPPLIER TO DESIGN ALL ROOF JOISTS FOR A NET UPLIFT OF 15 PSF (DO NOT REDUCE BY 0.6W).

COLUMN SCHEDULE

C3	C2	C1	MARK
6x6 P.T. POST	HSS4x4x1/4	W12x58	SIZE
	6"x1/2"x10" BASE PLATE	18"x1 1/4"x1'-6"	BASE PLATE
	(2) 3/4"x1'-4" HEADED ANCHOR	(4) 3/4"x1'-4" HEADED ANCHOR	ANCHOR BOLTS
PROVIDE SIMPSON CBS66 COLUMN BASE.	PLACE ON 3 COURSES GROUTED SOLID MASONRY. PLACE COLUMN BASE PLATE 8" BELOW PRECAST BEARING		REMARKS

PARTNERS



PARTNERS in Architecture, PLC

65 MARKET STREET
MOUNT CLEMENS, MI 48043
P 586.469.3600
F 586.469.3607

Statement of Intellectual Property

The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, PLC, 65 Market Street, Mount Clemens, MI, 48043 (P 586.469.3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, PLC. This information is protected under U.S. Copyright Law, all rights reserved.

© Copyright 2019

CONSULTANT

Shymanski & Associates, L.L.C.
STRUCTURAL ENGINEERS

33426 Five Mile Rd
Livonia, Michigan 48154
ph. 734.855.4810 fs. 734.855.4809
email@sastructuralengineers.com

KEY PLAN

OWNER

Highland Township
Fire Department

PROJECT NAME

Highland Township
Fire Station No. 1

1600 W. Highland Rd.
Highland, MI 48357

PROJECT NO.

18-122A

ISSUES / REVISIONS

Bidding/Construction 03/27/2020
Addendum #1 04/20/2020
Addendum #3 04/30/2020

DRAWN BY

CS

CHECKED BY

TS

APPROVED BY

TS

SHEET NAME

**ROOF FRAMING
PLAN**

SHEET NO.

S3-03

65 MARKET STREET
MOUNT CLEMENS, MI 48043
P 586.469.3600
F 586.469.3607

The ideas, concepts, drawings and thoughts conveyed herein are the intellectual property of PARTNERS in Architecture, PLC, 65 Market Street, Mount Clemens, MI, 48043 (P 586.469.3600). This set of drawings, in whole or in part, may not be reproduced, without the written consent of PARTNERS in Architecture, PLC. This information is protected under U.S. Copyright Law, all rights reserved.

CONSULTANT

STRUCTURAL ENGINEERS
33426 Five Mile Rd
Livonia, Michigan 48154
ph. 734.855.4810 fx. 734.855.4809
email@sastructuralengineers.com

OWNER

PROJECT NAME

1600 W. Highland Rd.
Highland, MI 48357

PROJECT NO.

ISSUES / REVISIONS

DRAWN BY

CS

CHECKED BY

15

APPROVED BY

SHEET NAME

SHEET NO. _____

S5-01

