

EXTERIOR WALL PANEL ASSEMBLY DRAWINGS
FOR THE:

Sample Shop Drawings

USING THE



WALLFRAME SYSTEM

MANUFACTURED BY:

ThermaSteel Inc.

609 West rock Road
Radford, VA 24141
540-633-5000

General Notes:

- * The drawings herein are manufacturing and assembly drawings. The contractor/ owner shall be solely responsible for verifying all dimensions, site conditions and all state and local code requirements are met.
- * ThermaSteel wall panels are to be 5 1/2" thick with 24 GA T/S metal @ 16" O.C., unless noted.
- * All walls are to receive metal track, top & bottom, per engineering specs.
- * All door and window openings are per contractor / owner.
- * All rough openings are to have metal surrounds.
- * All engineering of the structure, Including the ThermaSteel specifications, is to be completed and/or approved by the Project Engineer/Engineer of Record. If buyer decides not to use engineering and structural design services (which have an additional fee), buyer shall assume all responsibility and liability for the structure and the seller shall have no liability in relation thereto.
- * Contractor is to confirm that all rough openings meet local egress and minimum light and ventilation requirements.
- * Contractor is to refer to the architectural prints for all information not provided by ThermaSteel.
- * ThermaSteel will provide reasonable technical assistance as requested with regards of the use of the ThermaSteel Building System.
- * ThermaSteel will provide panel layout drawings (shop drawings) for the installation of panels, special panel requirements (if any), requirements for attachment and connection details for ThermaSteel panels.
- * ThermaSteel shop drawings are based on the architectural prints provided by the customer.
- * All electrical, plumbing, HVAC, additional mechanical systems, exterior and interior finished and etc. is the responsibility of the contactor/ owner.
- * For panel properties visit <http://thermasteelinc.com/content/revpanel-system>

ABBREVIATIONS

@	At	MAX.	Maximum
A.F.F.	Above Finish Floor	MIN.	Minimum
"C"	Metal "C"	MISC.	Miscellaneous
C.J.	Ceiling Joist	NLE	No Leading Edge
CMU	Concrete Masonry Unit	NLL	No Lap Left
CONC.	Concrete	NLR	No Lap Right
COR.	Corner	NOM.	Nominal
DIA.	Diameter	O.C.	On Center
ENG.	Engineer / Engineering	OPT.	Optional
EXT.	Exterior	P.T.	Pressure Treated
F.J.	Floor Joist	RAD.	Radius
FT.	Foot / Feet	SF	Square Foot / Square Feet
FTG.	Footing	SQ.	Square
GA	Gauge	SPEC.	Specification
HDR.	Header	TYP.	Typical
INT.	Interior	W/	With
INSUL.	Insulation / Insulated	W.W.M.	Welded Wire Mesh
JST.	Joist		
"L"	Metal "L"		
L.F.	Linear Foot / Linear Feet		
L.V.L.	Laminated Veneer Lumber		

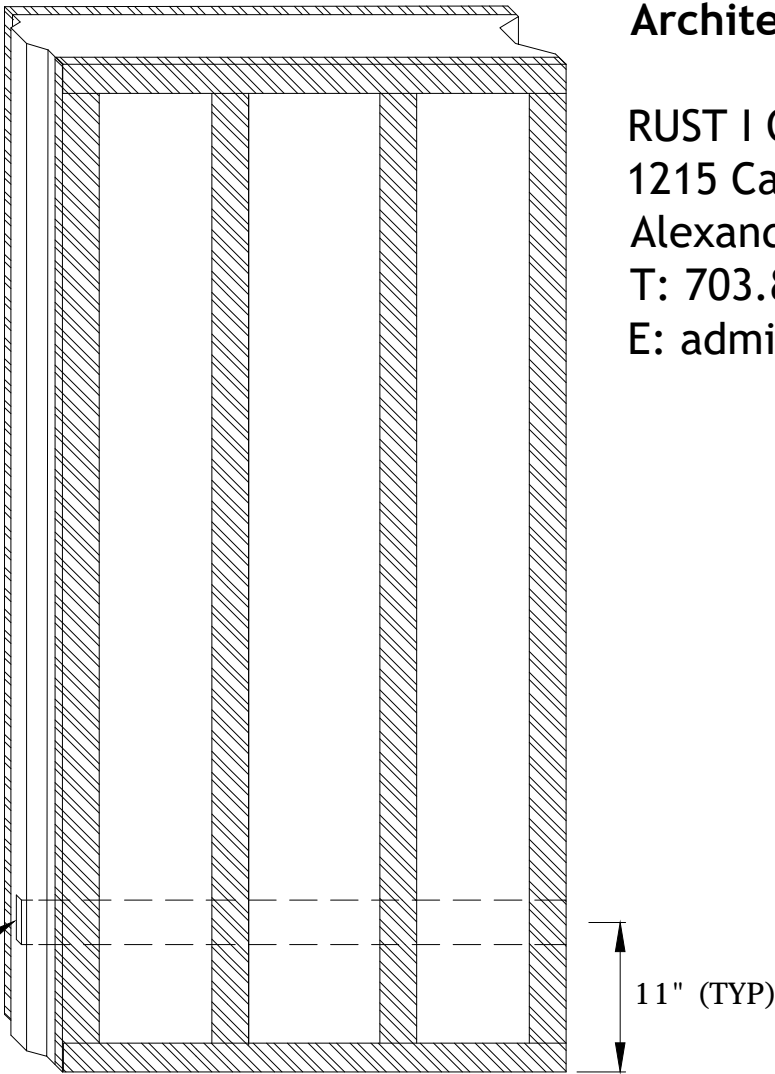
Additional Compliance Reports

HUD - Bulletin # 1072
UL-File NC 554
South Florida - HTL98072
Florida Product Approval - FL3859-R2

Building Code Listings

IAPMO - Report # ER-128

HORIZONTAL
WIRECHASE



TYPICAL WIRECHASE LOCATION

PANEL AS VIEWED FROM OUTSIDE
OF THE STRUCTURE

Architectural Design By:

RUST I ORLING ARCHITECTURE
1215 Cameron Street
Alexandria, VA 22314
T: 703.836.3205
E: admin@rustorling.com

FINISH DATE:	03/12/2021
REVISION:	
DRAWN:	B Revell
DESIGNED:	
SCALE:	NTS
JOB NUMBER	
	20-416
	Cover

FINAL DRAWING APPROVAL LETTER

Dear client,

Enclosed is the completed final production drawing package for your project.

Please take the time to ensure the ThermaSteel drawing package is exactly as you need for your project.
Note: These drawings are the assembly drawings as well.

- Architect, contractor and/or client please review and approve/sign:
Overall wall layout, project elevations, panel heights, lengths and placement of panel types (thickness 3.5"; 5.5" or 7.5"). Rough opening height, width and placement for doors, windows, AC units, etc. Verify all relevant connection details are attached and if any additional details are required.
- Engineer please review and approve/sign :
Panel type (thickness 3.5"; 5.5" or 7.5"), panel density (1pcf or 1.5pcf), gage of steel stud to be used, stud type (track or CSJ), special items such as hold downs, cut outs, bracing, shear bracing, jack studs, king studs, headers, boxed beam headers, sills, beams, and all materials looking for sizing, spacing, placement and adequacy for design criteria. Verify all relevant connection details are attached and if any additional details are required. All connections to other building elements not provided by ThermaSteel. All screw connections, screw types, connection patterns etc.
- Please confirm the general correctness and conformity of your project to the provided design criteria and your satisfaction.

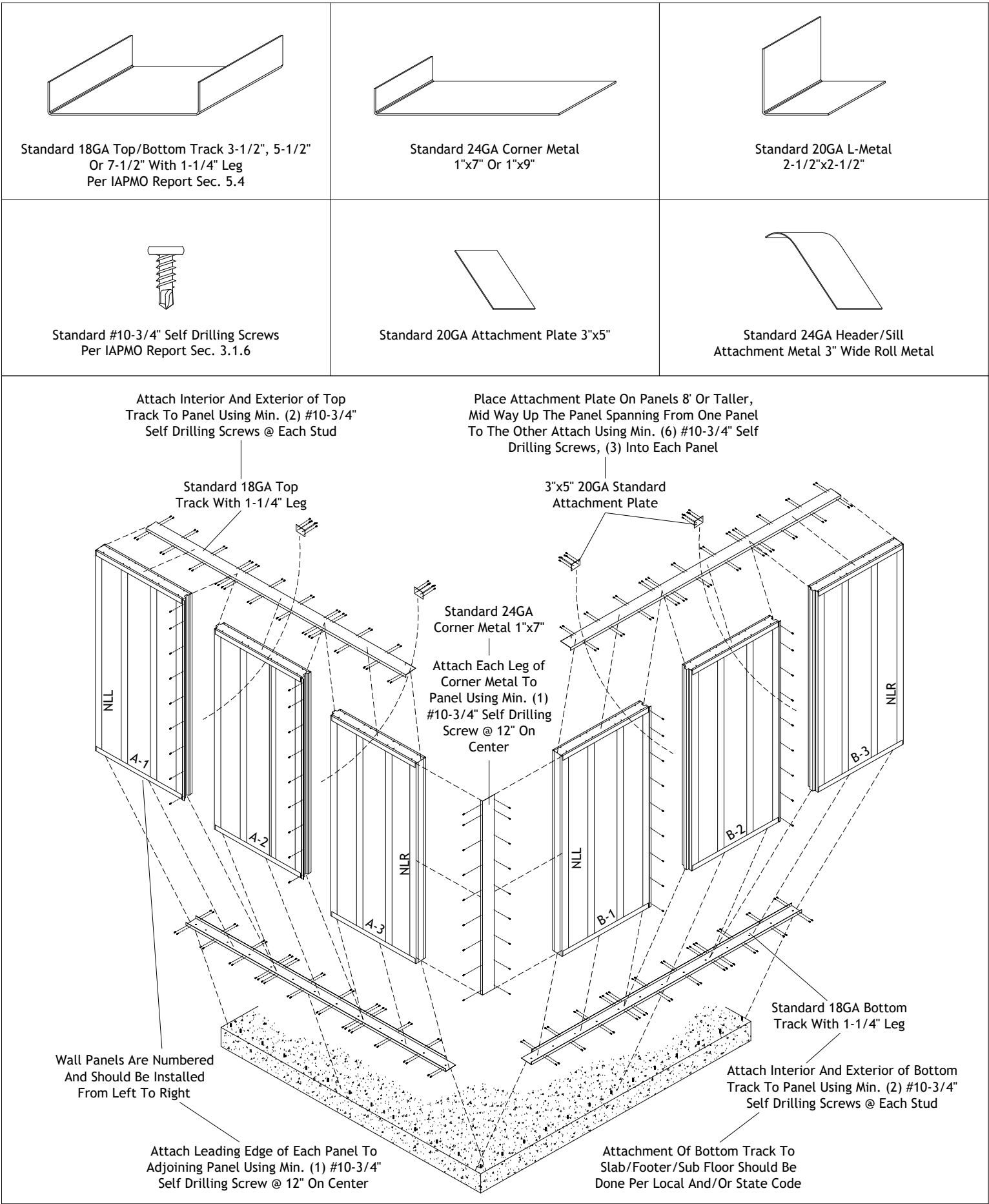
If changes are needed, please mark these changes directly on the drawings and email back to ThermaSteel. If all drawings are satisfactory, please sign and date each sheet of the drawing package and email them to ThermaSteel. Your project will not be released to accounting and/or production without signatures and dates on each sheet. Once signed, dated and received by ThermaSteel, the drawings become final. A final invoice and a production payment request will be issued following your approval. The final cost of your project will be calculated based on approved shop drawing package.

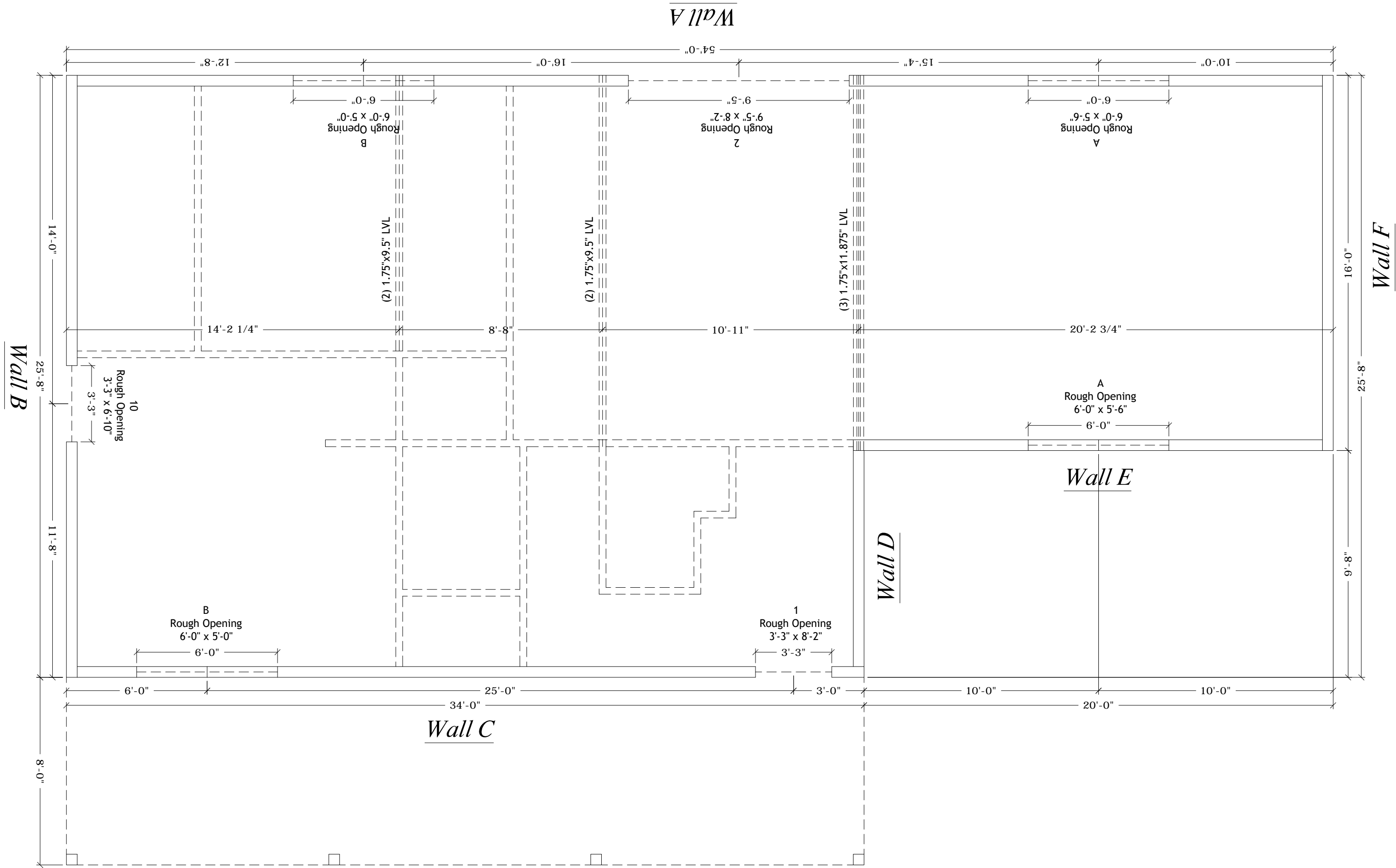
Client acknowledges that shop drawings may include some items that are not provided by ThermaSteel such as: AC units, ducts, hold downs, etc. Please ask your sales representative if you have any questions concerning your project.

Changes to the aforementioned items after the receipt of this signed drawing package by ThermaSteel will be subject to a change order and subsequent fees.

Thank you,

Brandon Revell
Design & Drafting Department





Sample Shop Drawings (First Level Wall Panel Plan)

All engineering of the structure, including the ThermaSteel Building System specifications, is to be completed and/or approved by the Project Engineer and/or the Engineer of Record.
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THE DRAWINGS HEREIN ARE PANEL MANUFACTURING DRAWINGS ONLY. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, SITE CONDITIONS, AND THAT ALL STATE AND LOCAL CODE REQUIREMENTS ARE MET.

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DRAWN:	B Revell

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ADVANCED PANEL SYSTEMS

20-416

JOB NUMBER

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FP-1



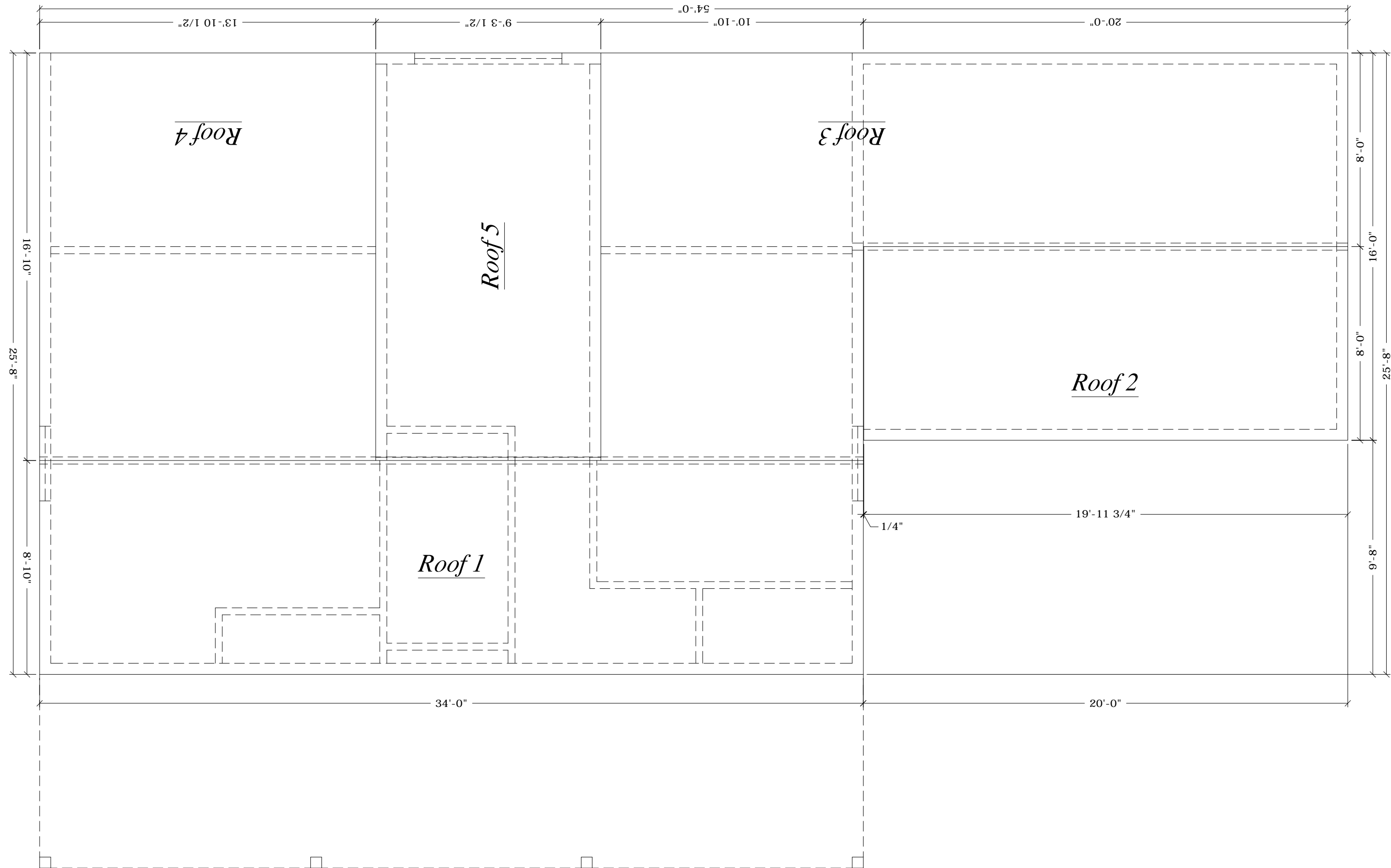
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Sample Shop Drawings (Roof Panel Plan)

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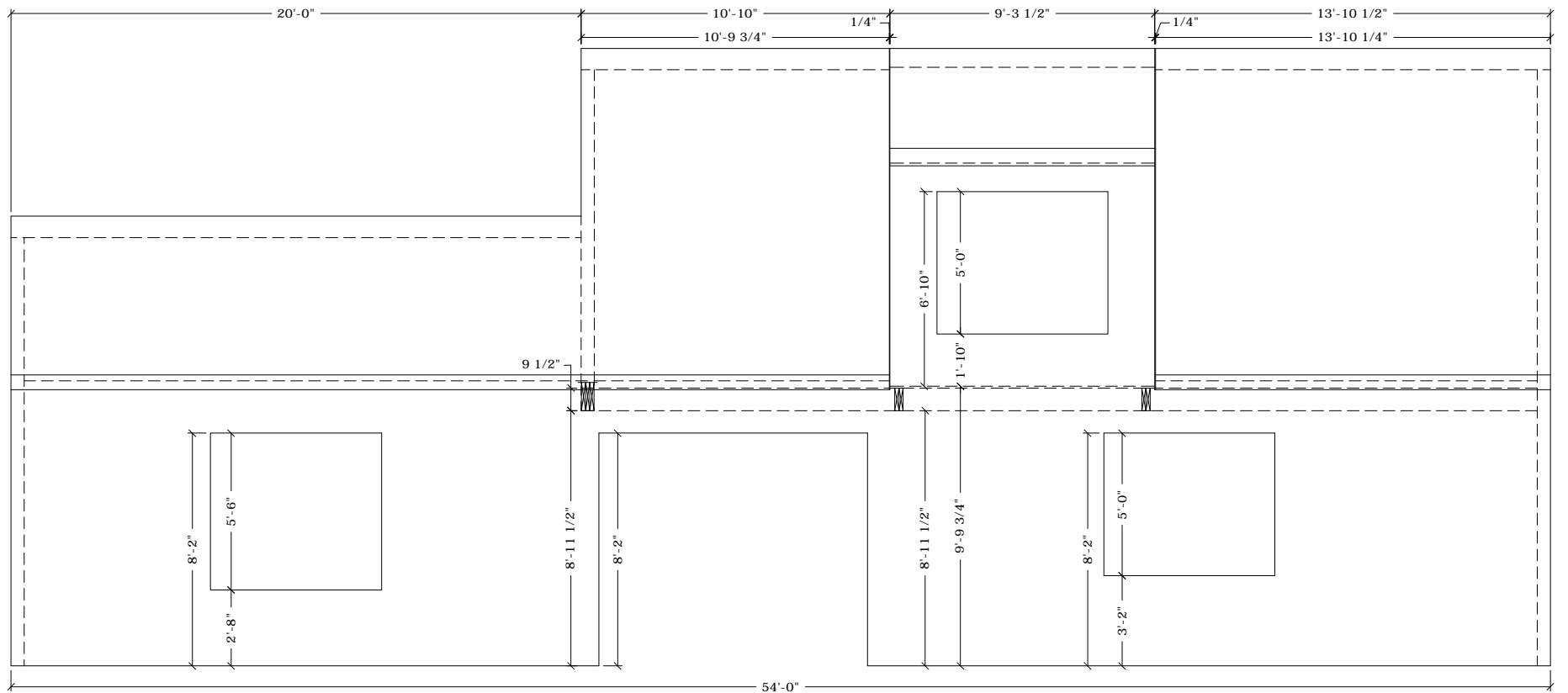
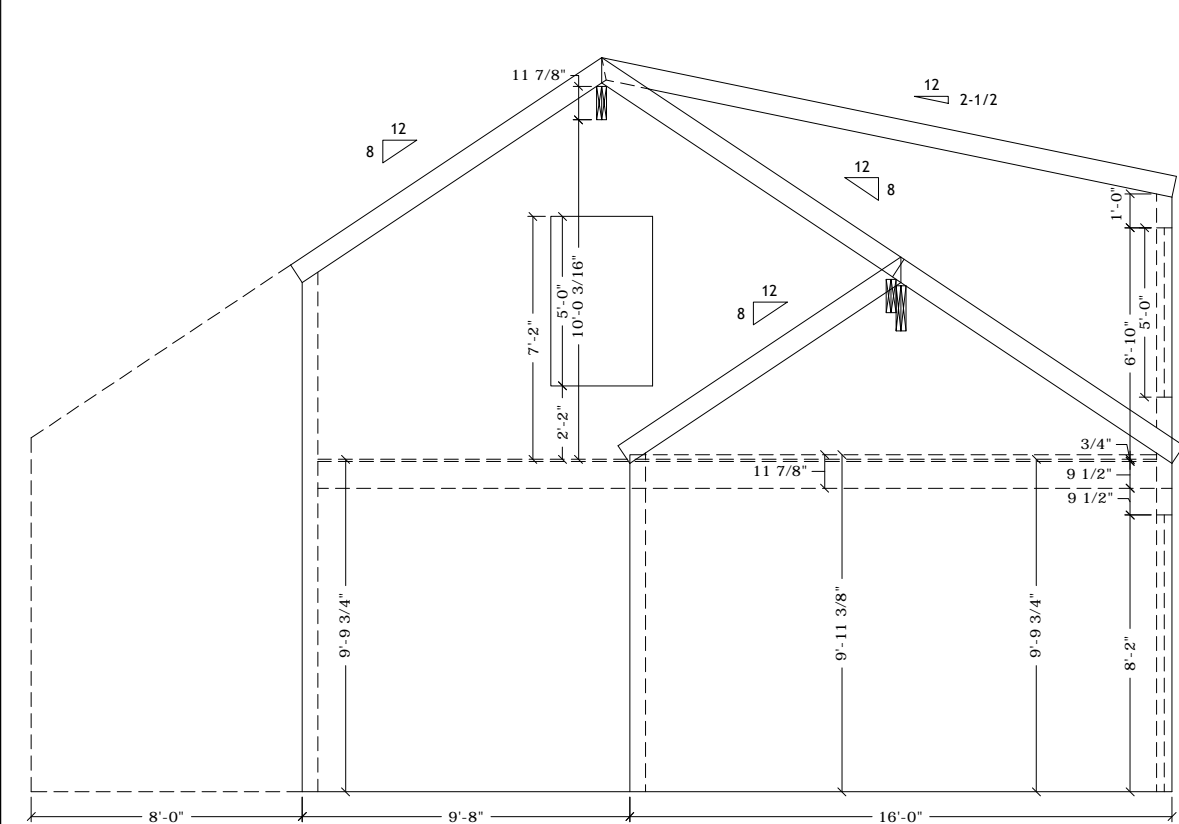
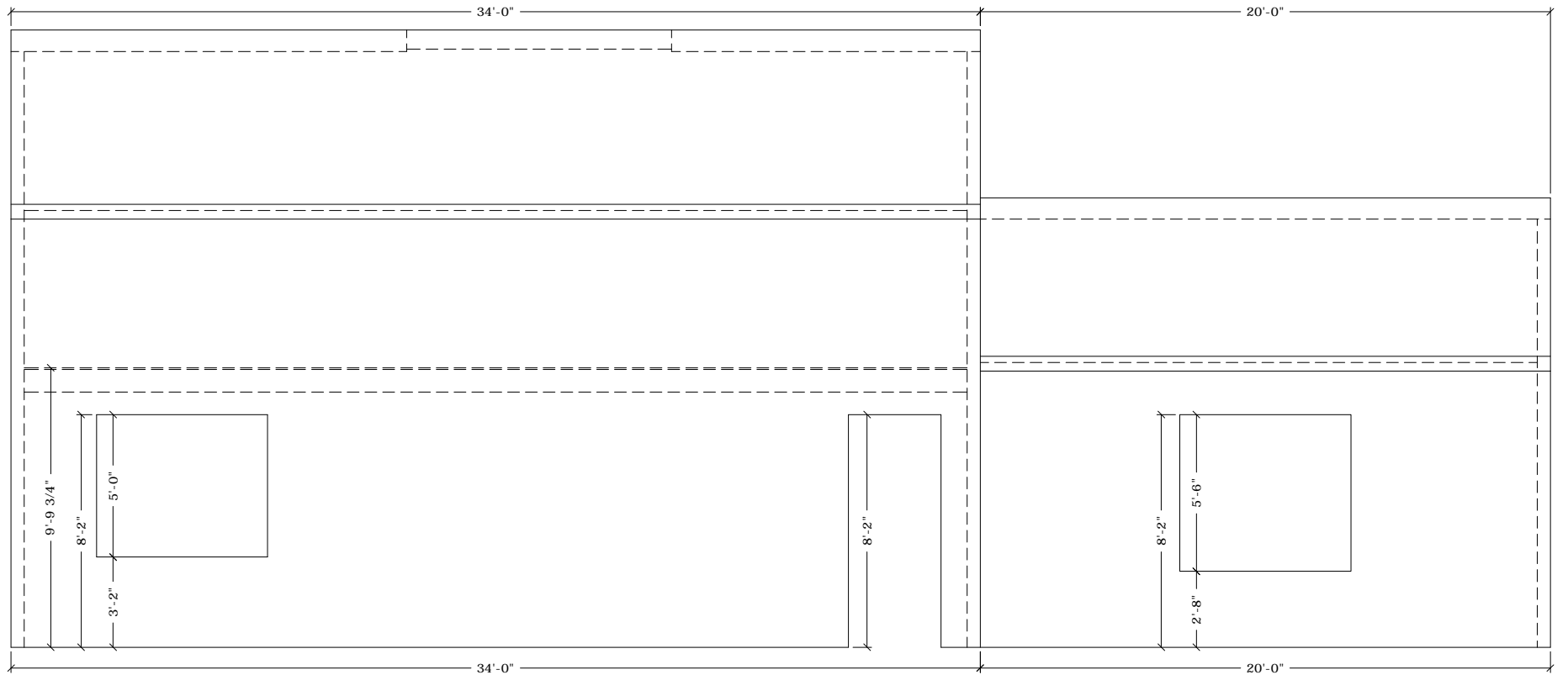
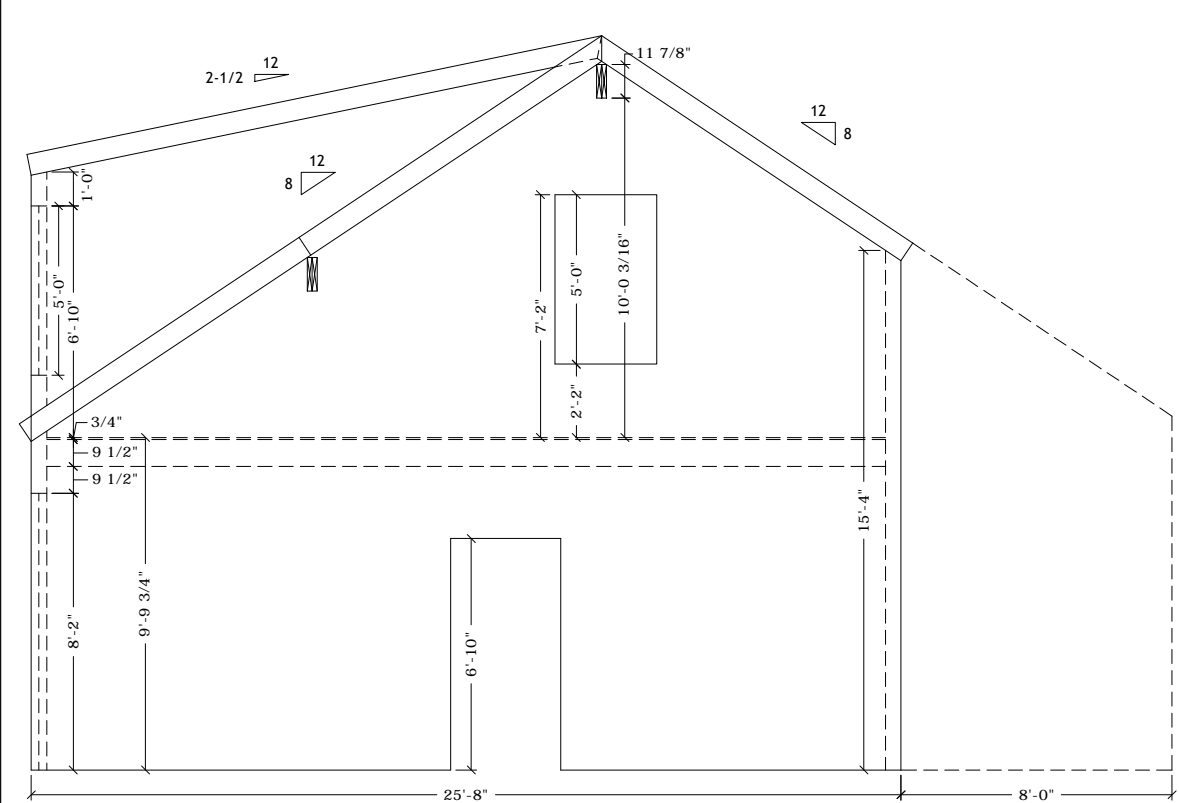
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RP-1



Sample Shop Drawings (Elevations)

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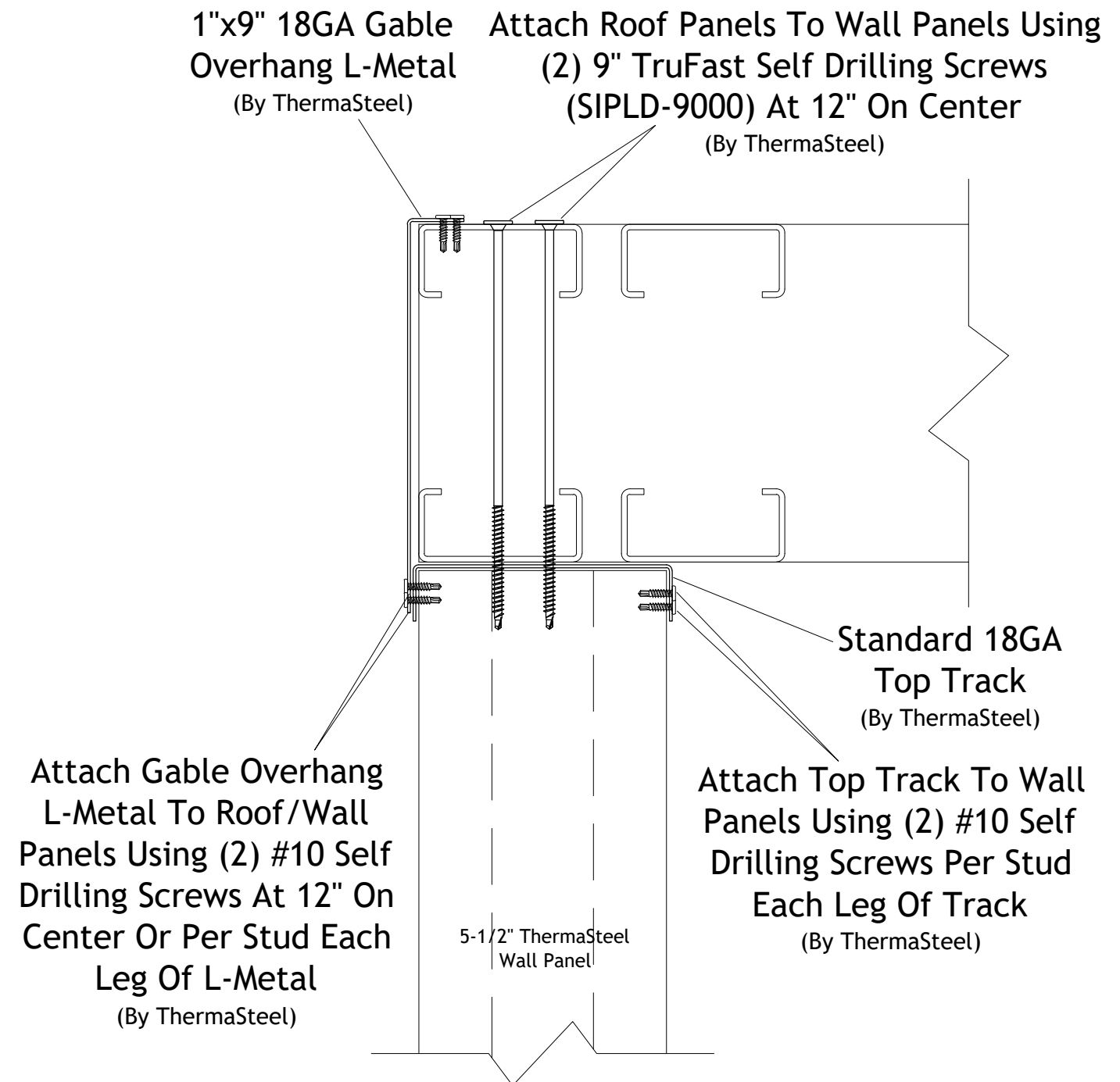
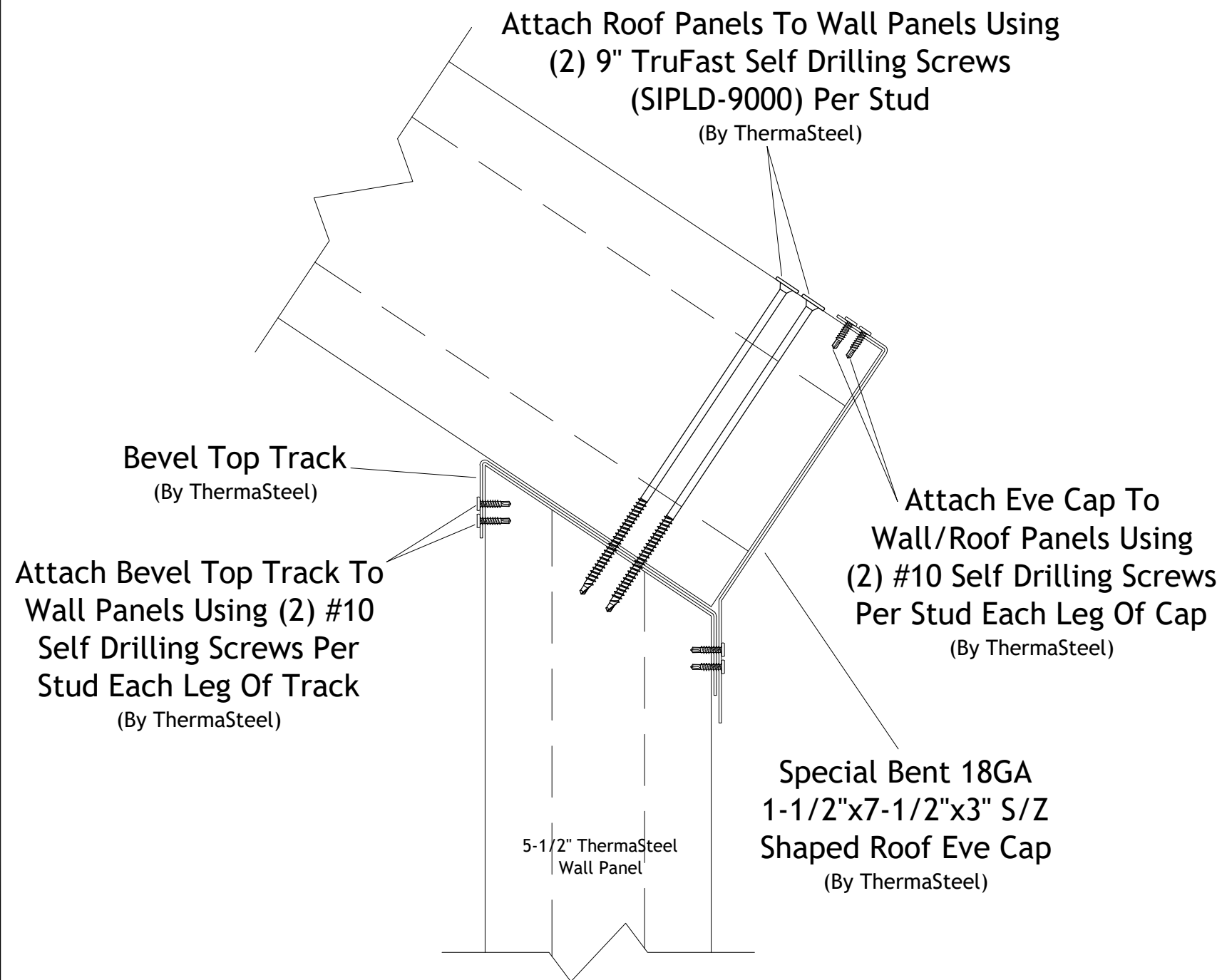
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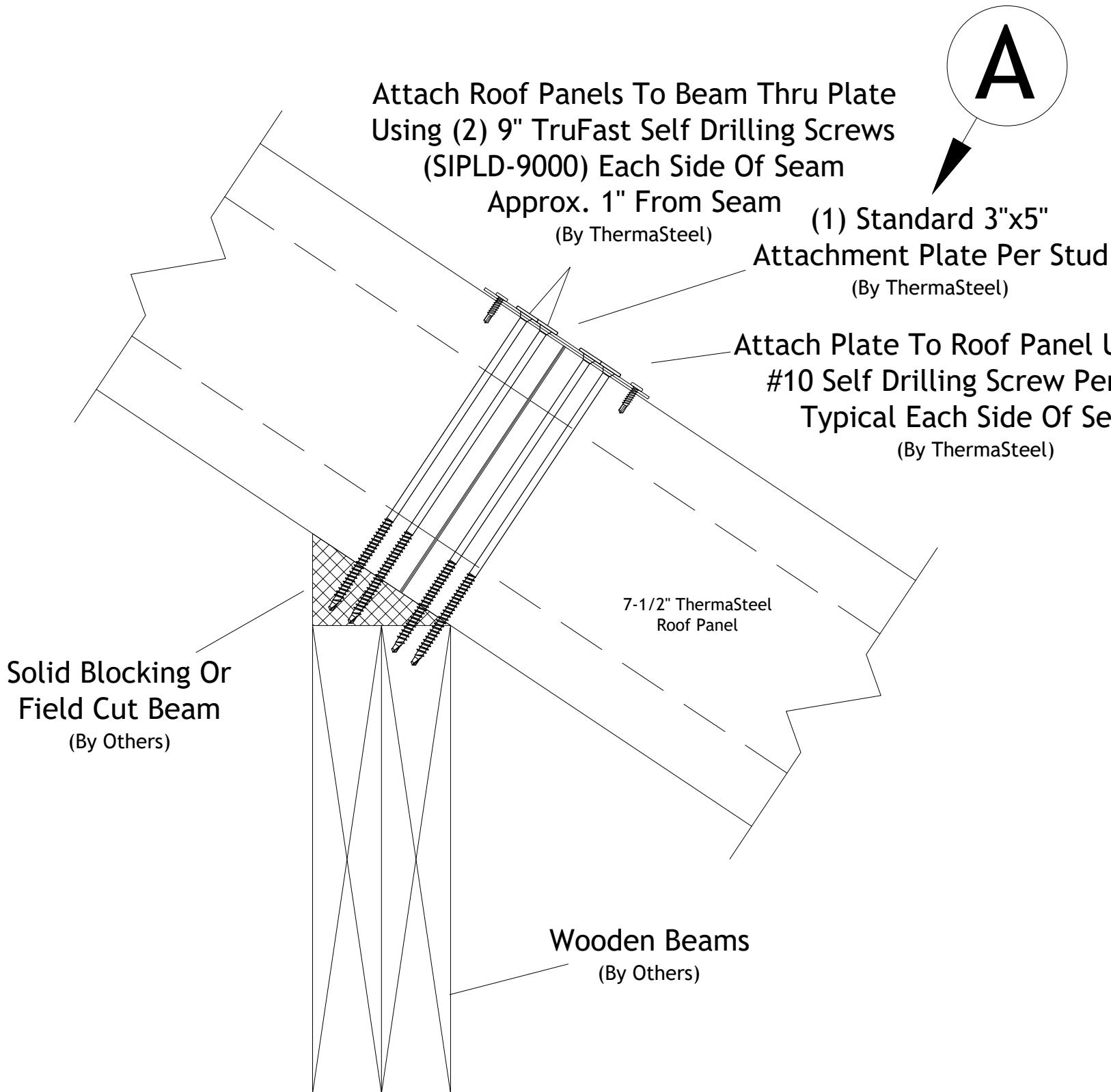
Sample Shop Drawings (Suggested Connection Details)

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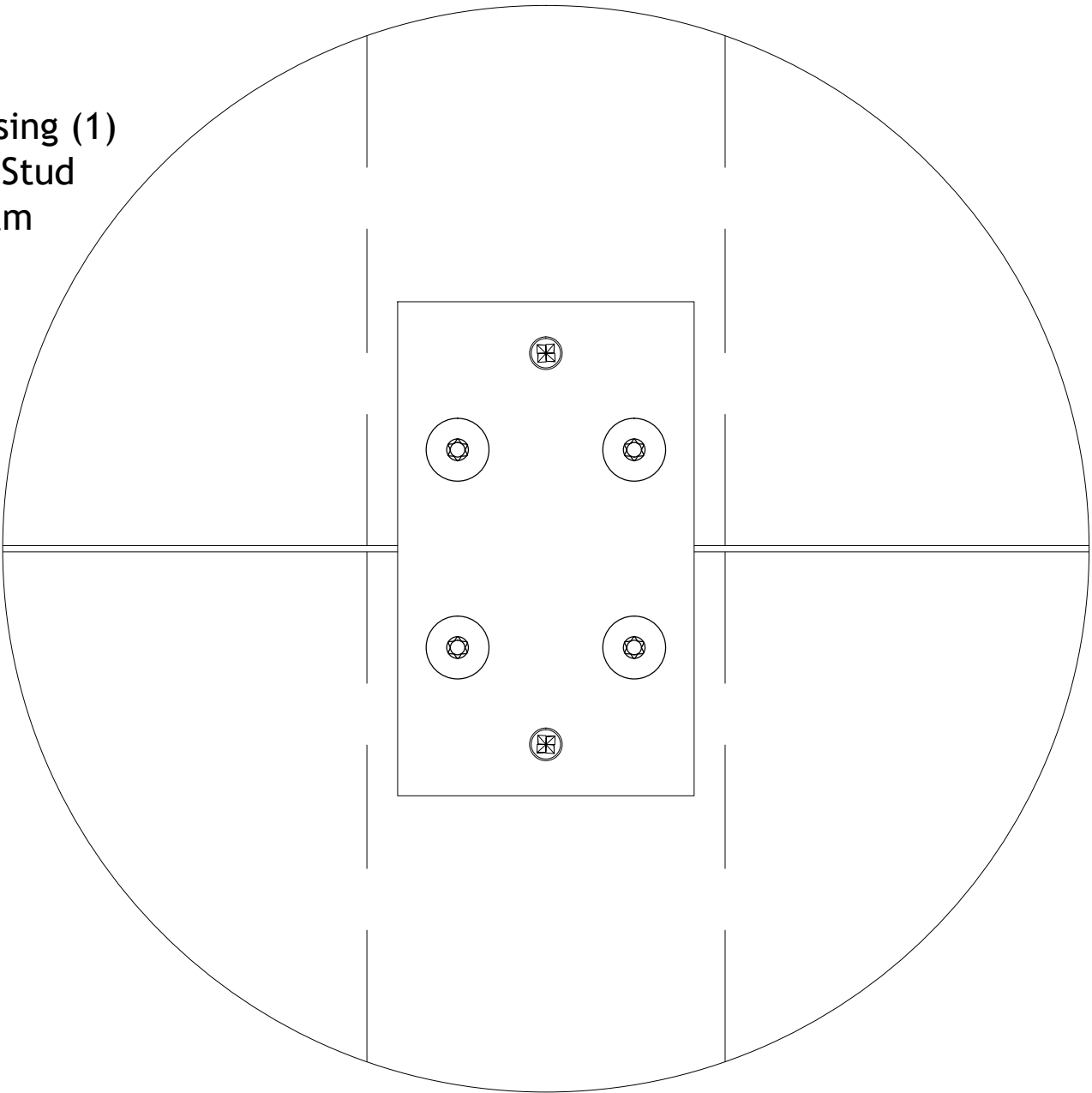
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SHEET
CD-2



A

A



Sample Shop Drawings (Suggested Connection Details)

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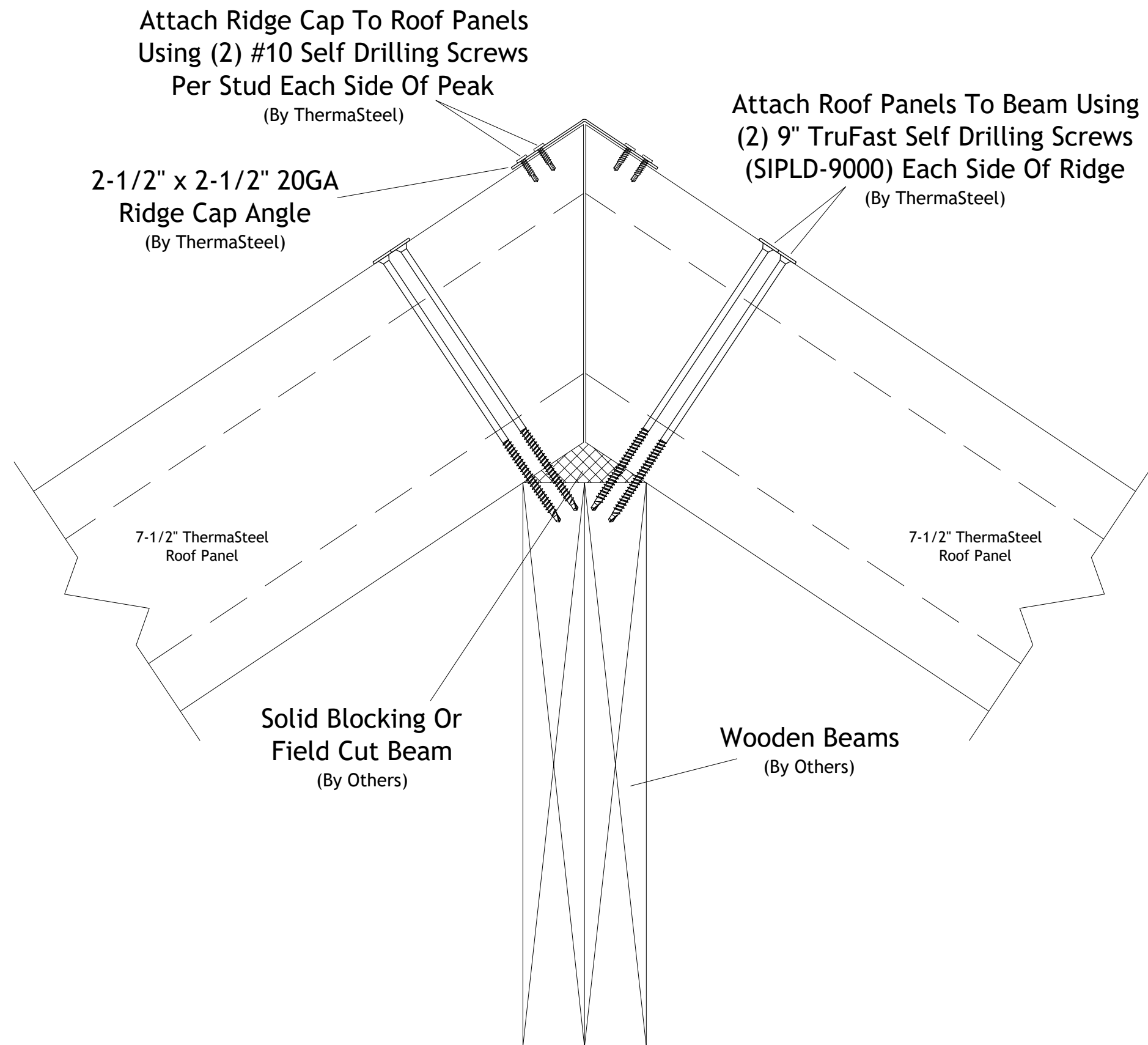
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ADVANCED PANEL SYSTEMS

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SHEET
CD-3



Sample Shop Drawings (Suggested Connection Details)

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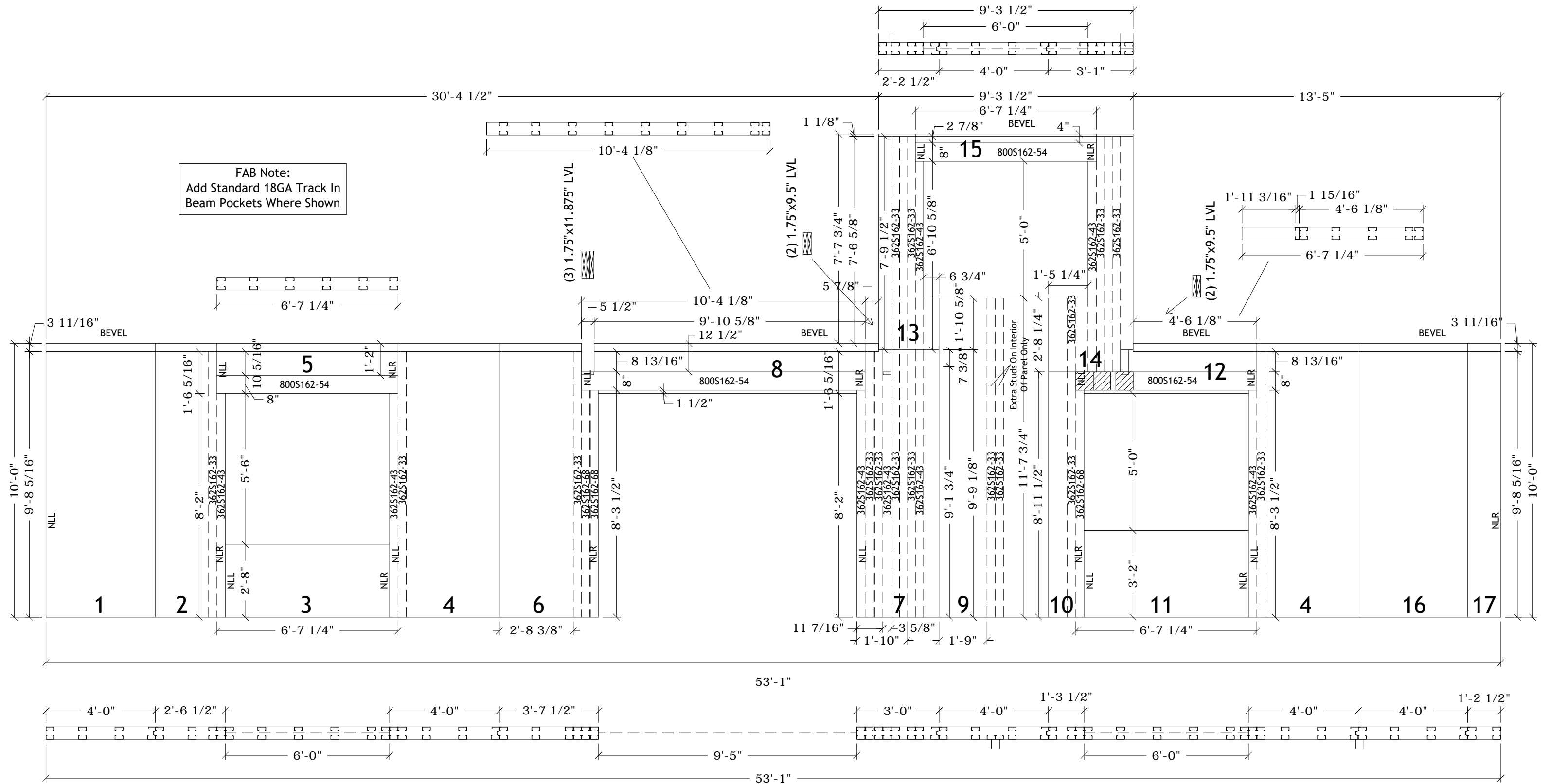
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SHEET
CD-4



Wall A
5 1/2" PANELS
362S162-33 @ 16" O.C.

Sample Shop Drawings

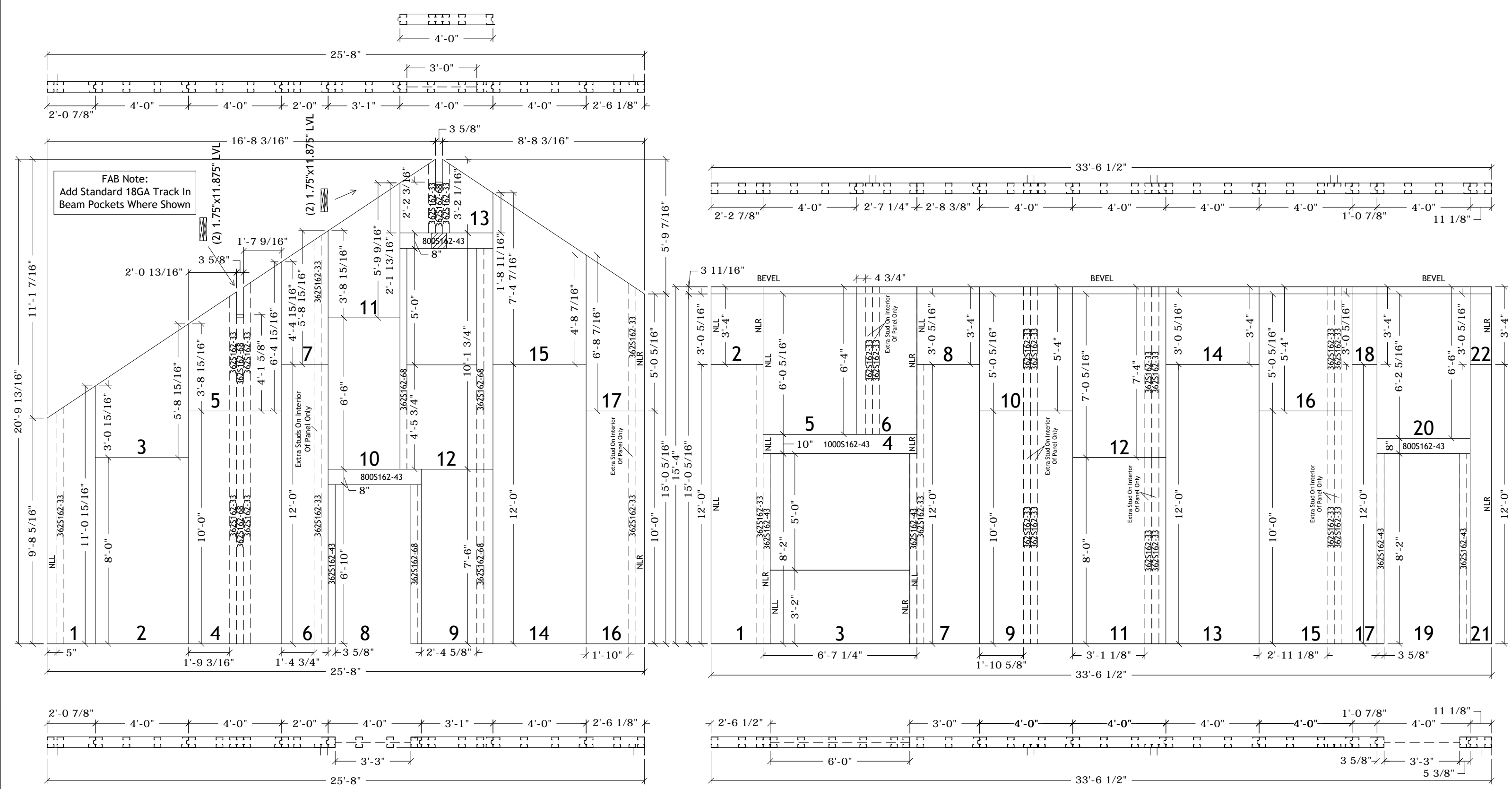
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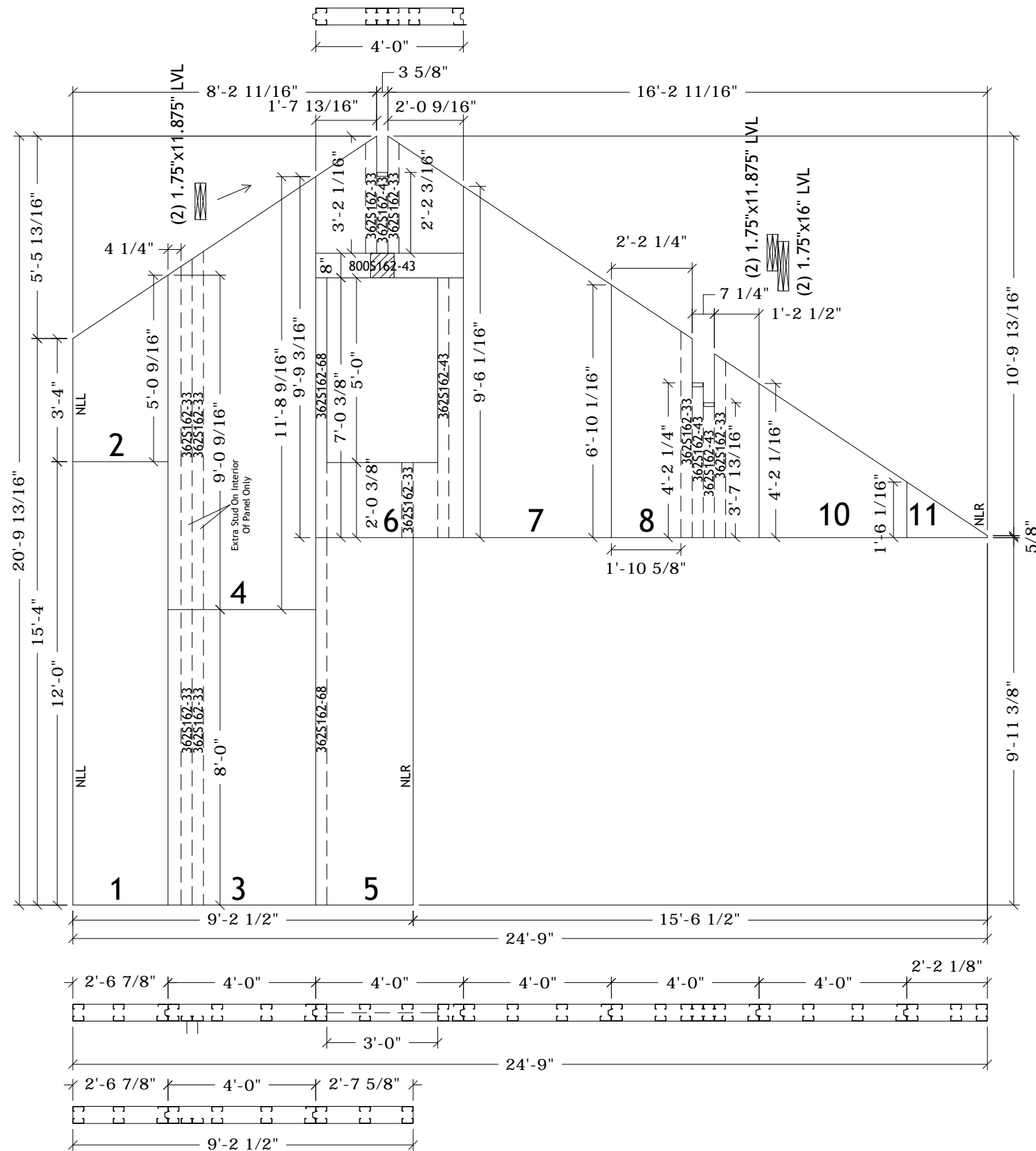
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Wall B
5 1/2" PANELS
362S162-33 @ 16" O.C.

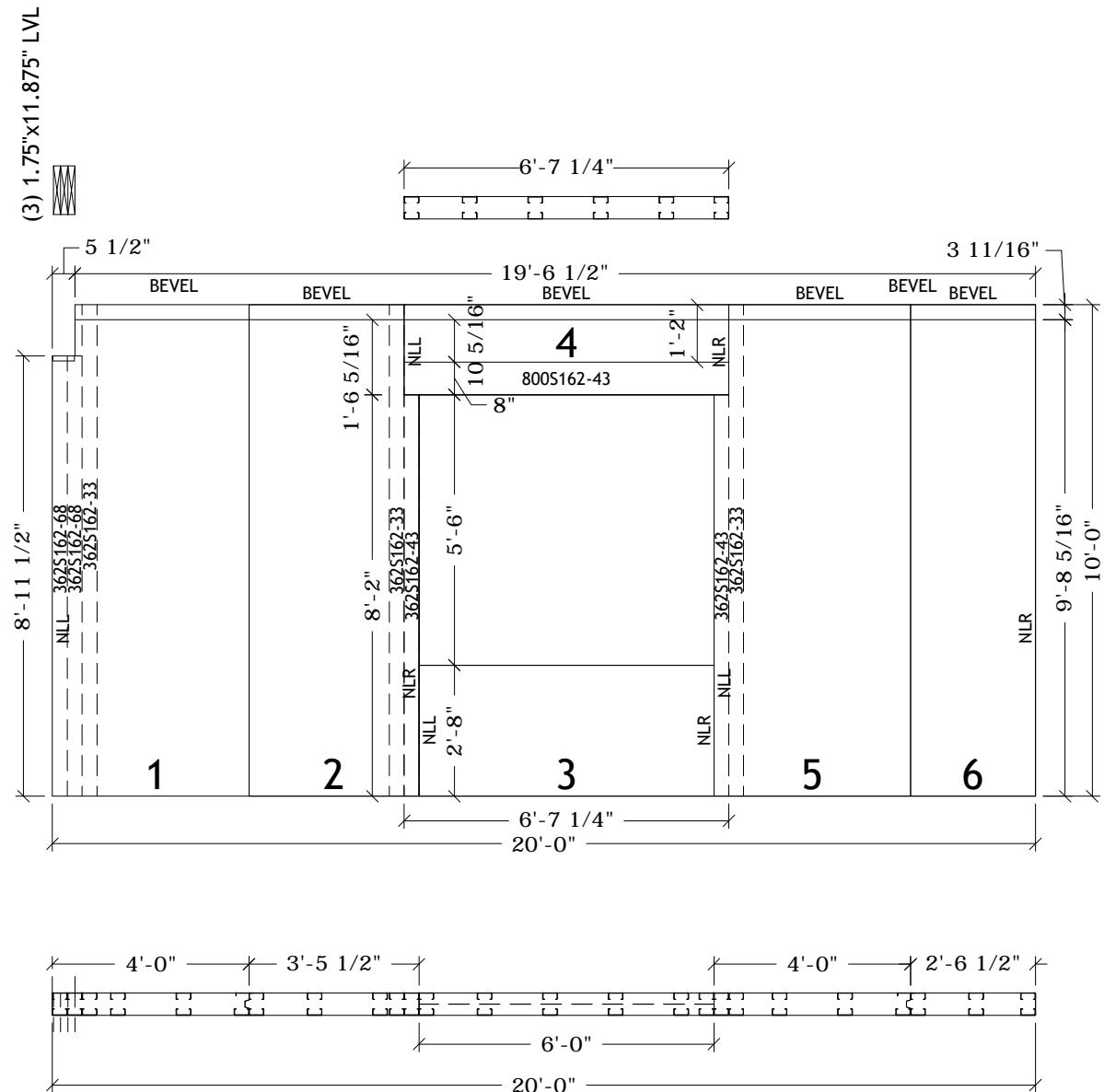
Wall C
5 1/2" PANELS
362S162-33 @ 16" O.C.

Sample Shop Drawings



Wall D
 5 1/2" PANELS
 362S162-33 @ 16" O.C.

FAB Note:
 Add Standard 18GA Track In
 Beam Pockets Where Shown



Wall E
 5 1/2" PANELS
 362S162-33 @ 16" O.C.

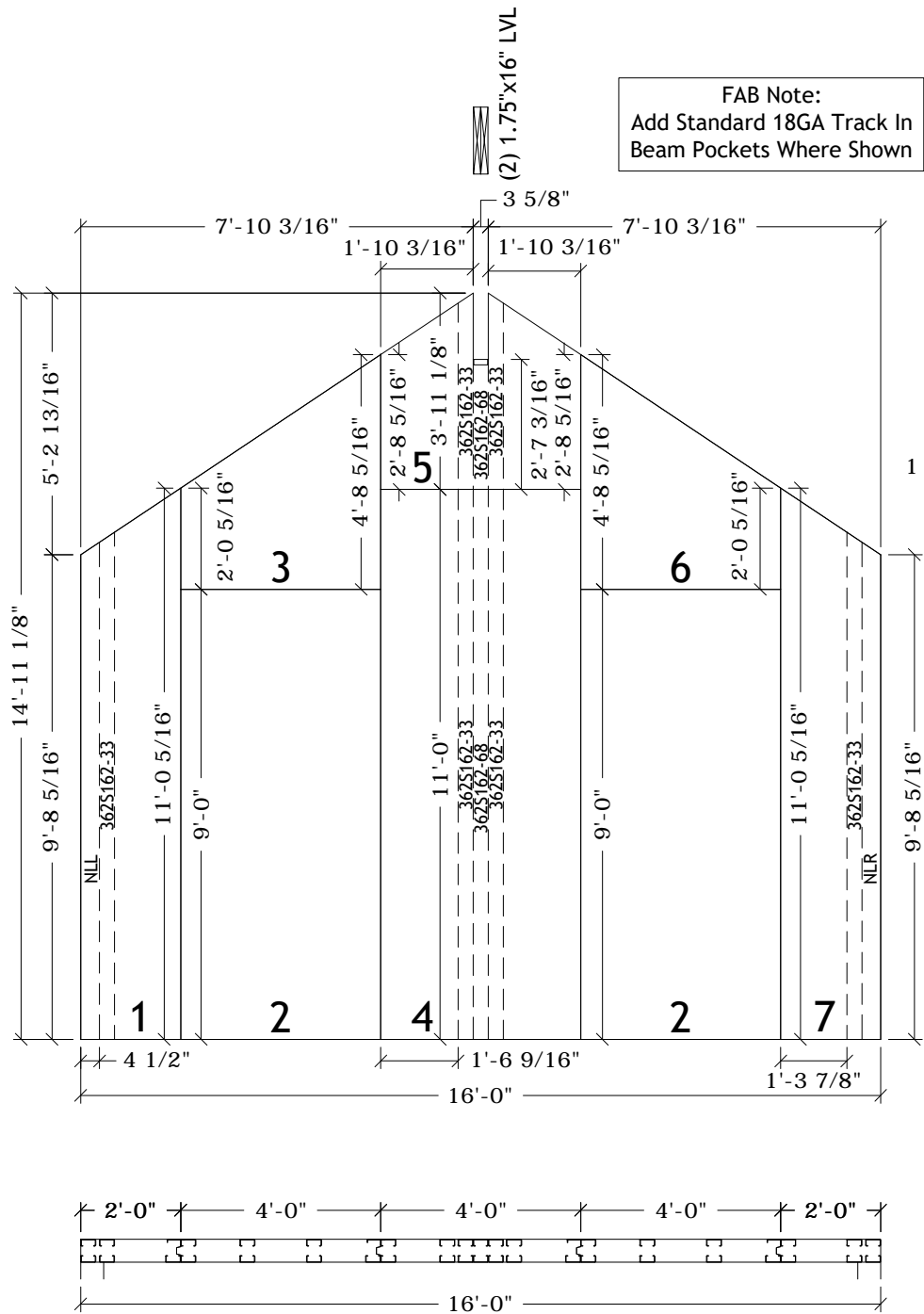
Sample Shop Drawings

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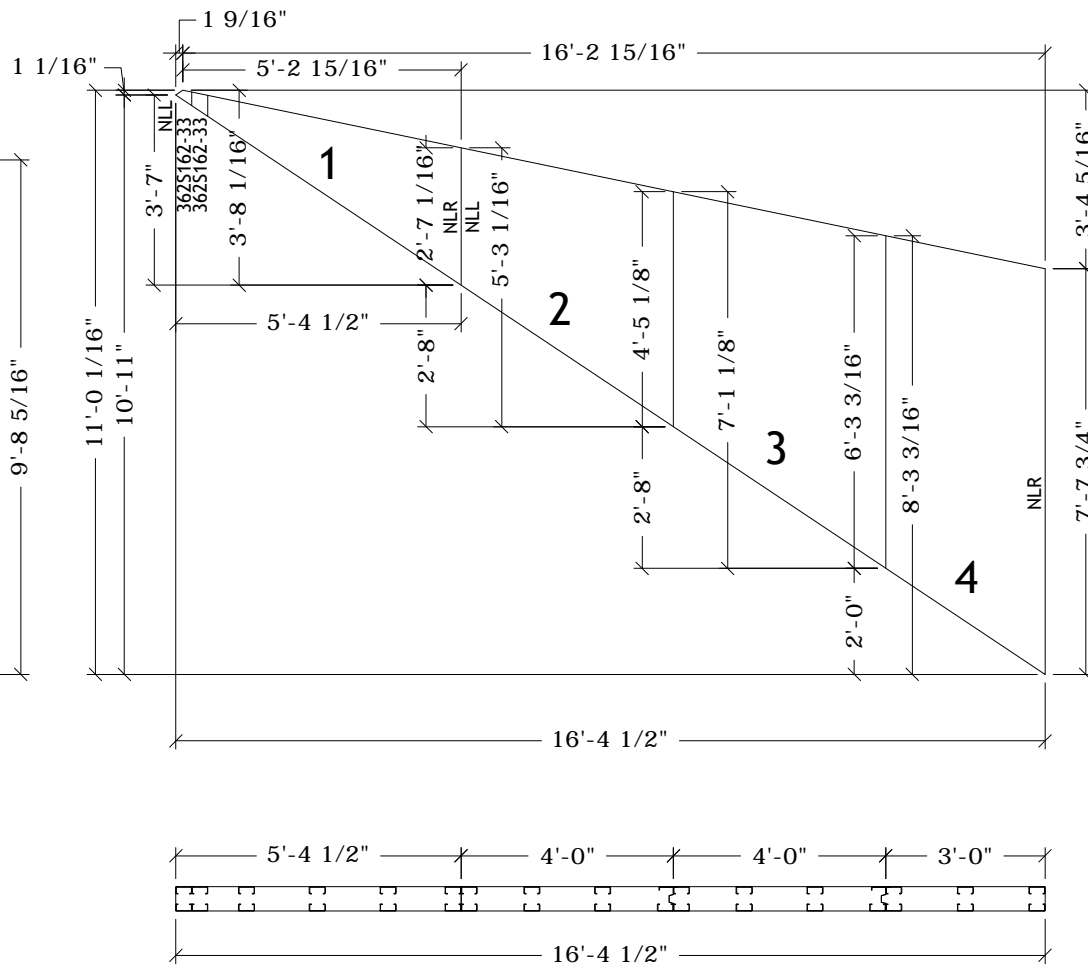
THERMASTEEL
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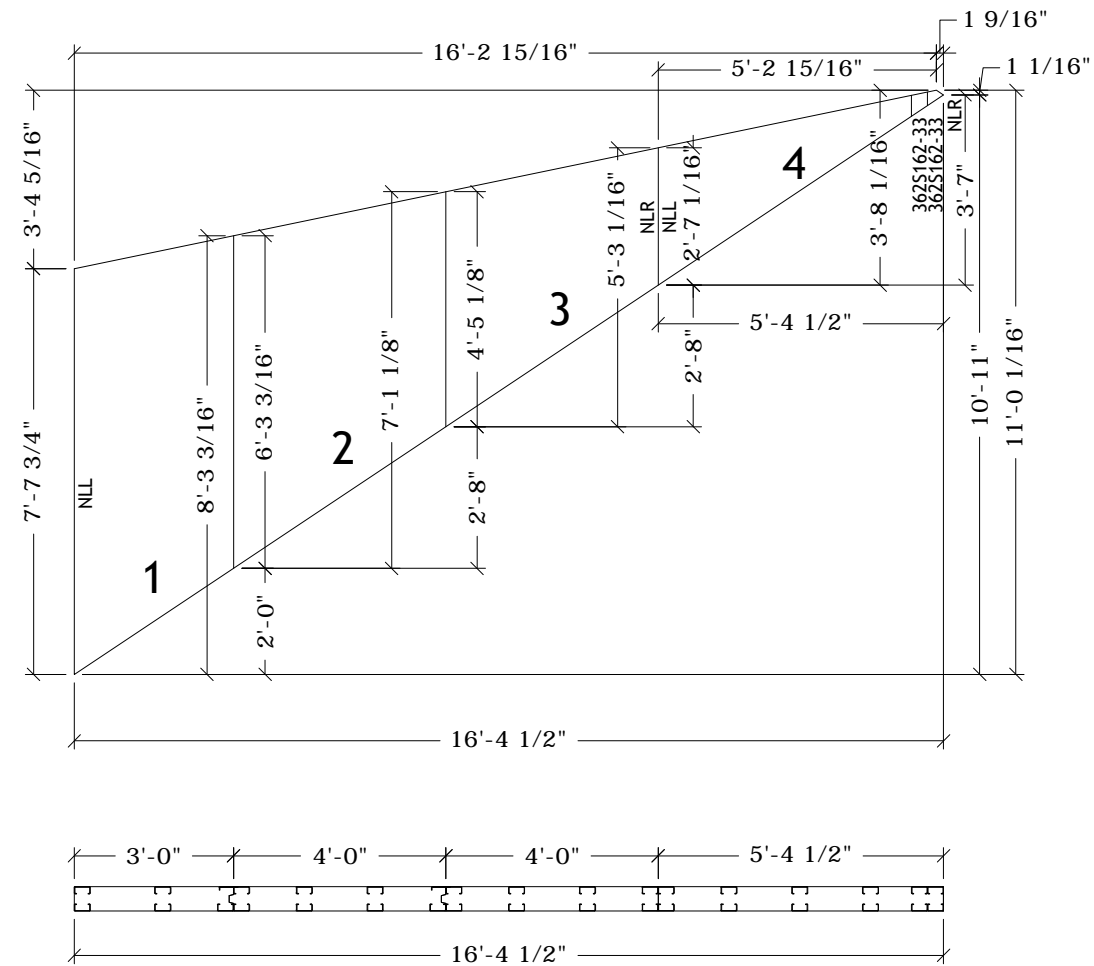
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Wall F
5 1/2" PANELS
362S162-33 @ 16" O.C.



Wall 2A
5 1/2" PANELS
362S162-33 @ 16" O.C.



Wall 2B
5 1/2" PANELS
362S162-33 @ 16" O.C.

Sample Shop Drawings

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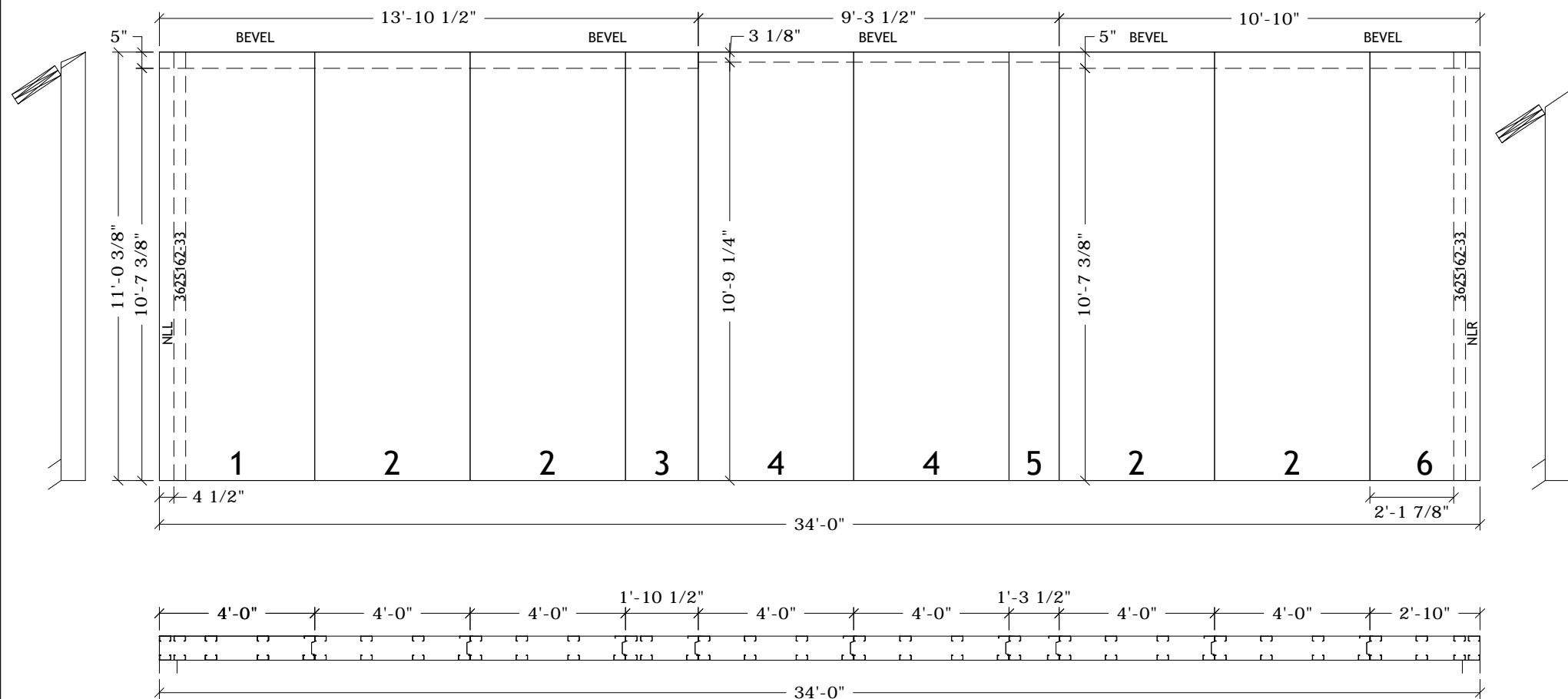
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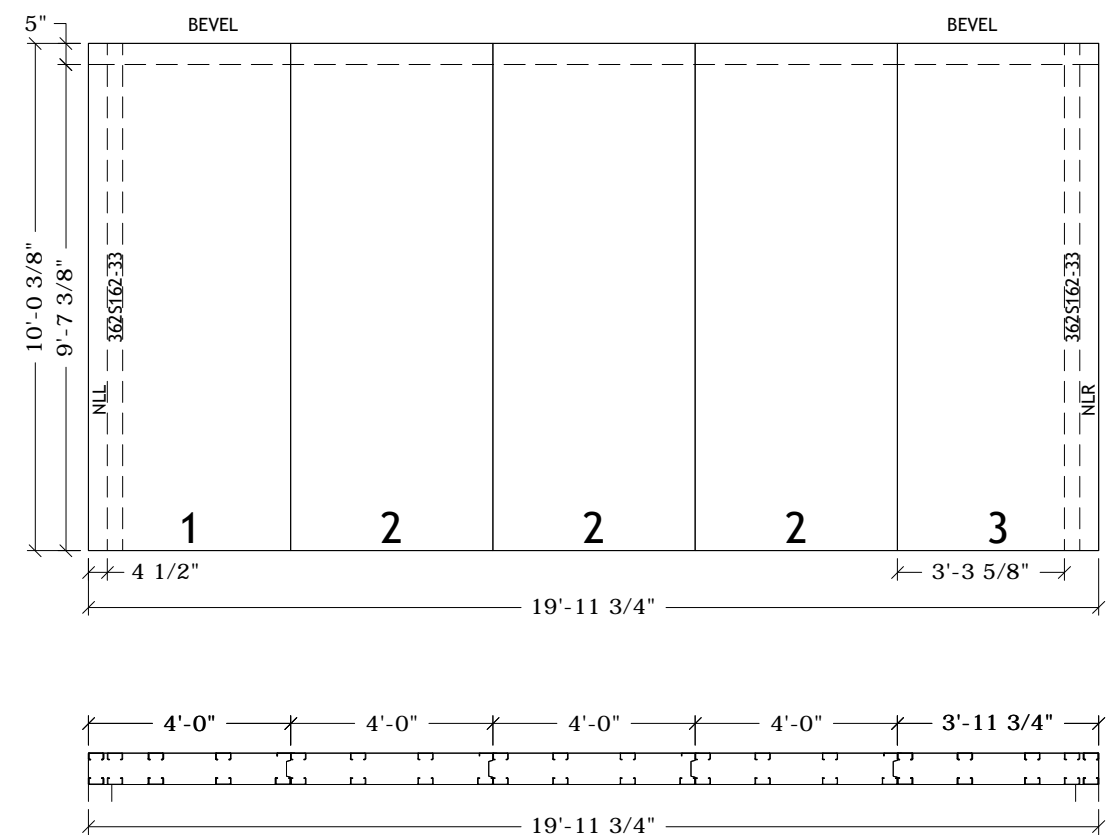
20-416

JOB NUMBER

SHEET
4



Roof 1
7 1/2" PANELS
362S162-33 @ 16" O.C.
(1.5PCF EPS DENSITY)



Roof 2
7 1/2" PANELS
362S162-33 @ 16" O.C.
(1.5PCF EPS DENSITY)

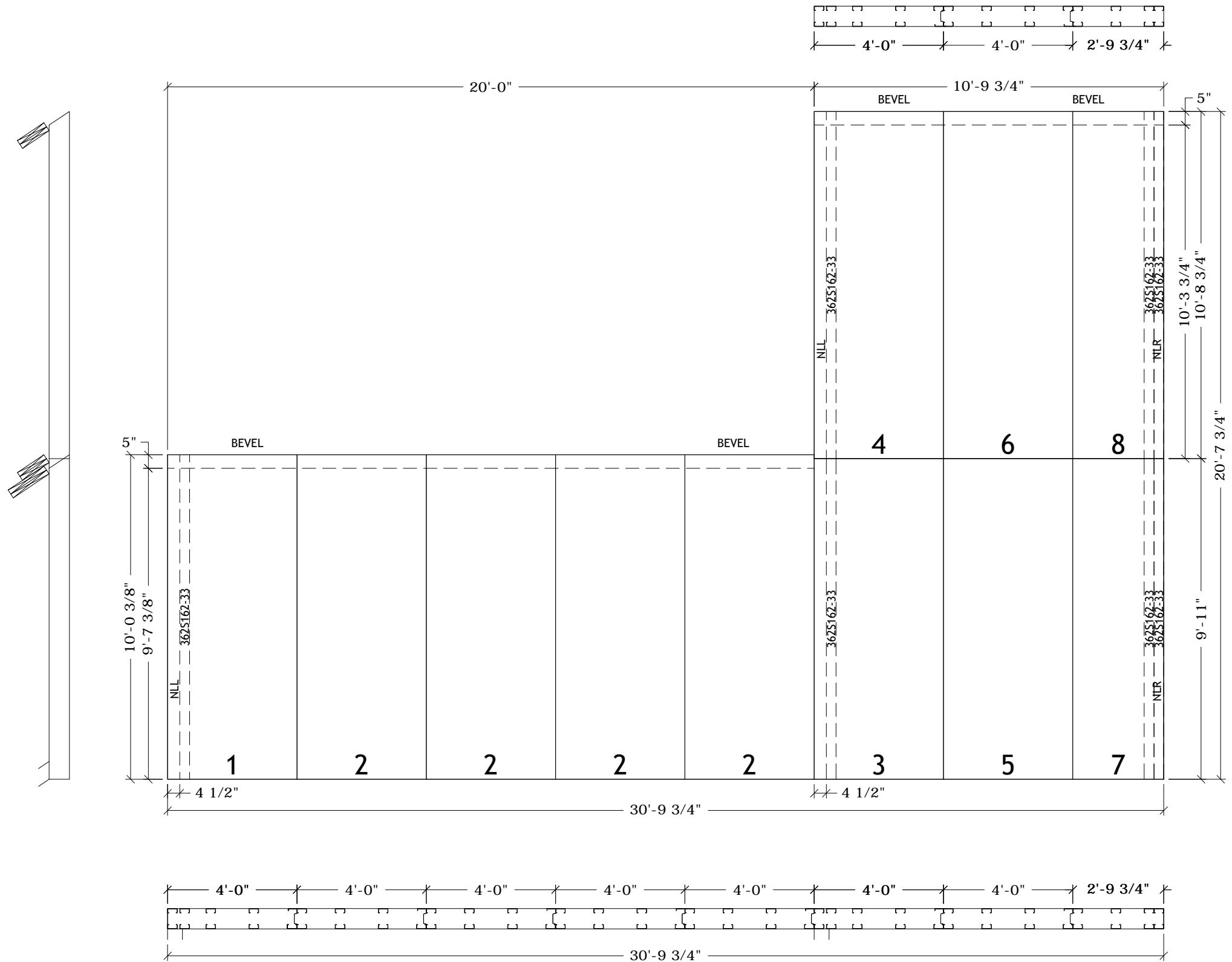
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5



Roof 3
7 1/2" PANELS
362S162-33 @ 16" O.C.
(1.5PCF EPS DENSITY)

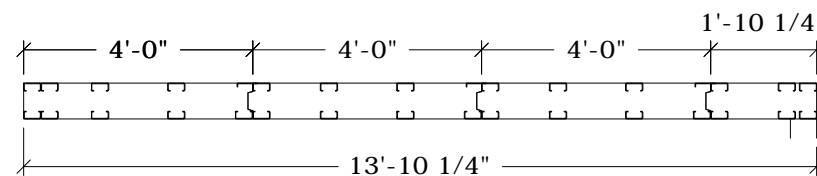
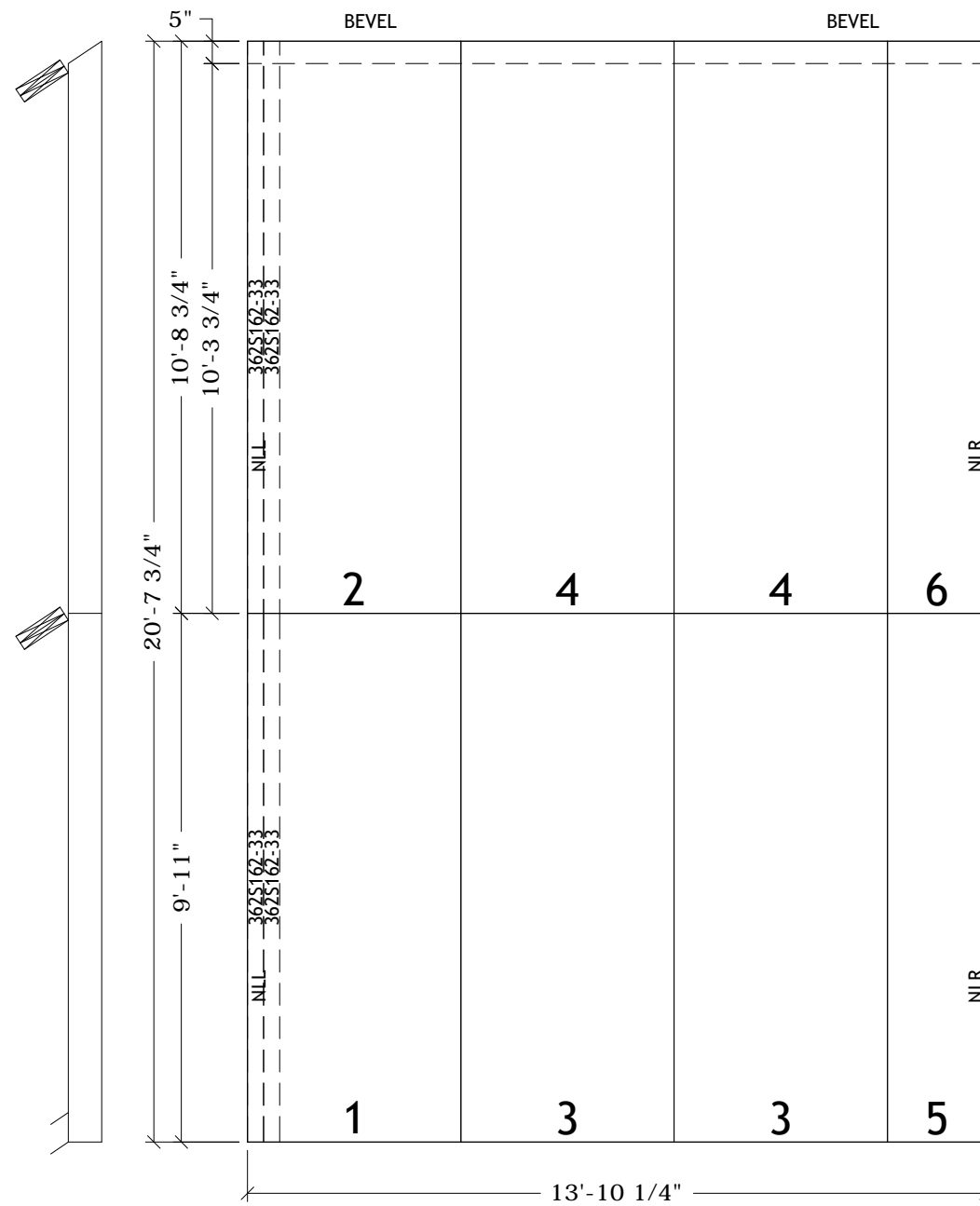
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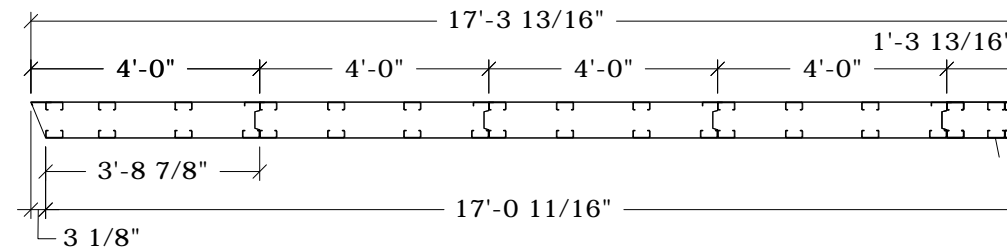
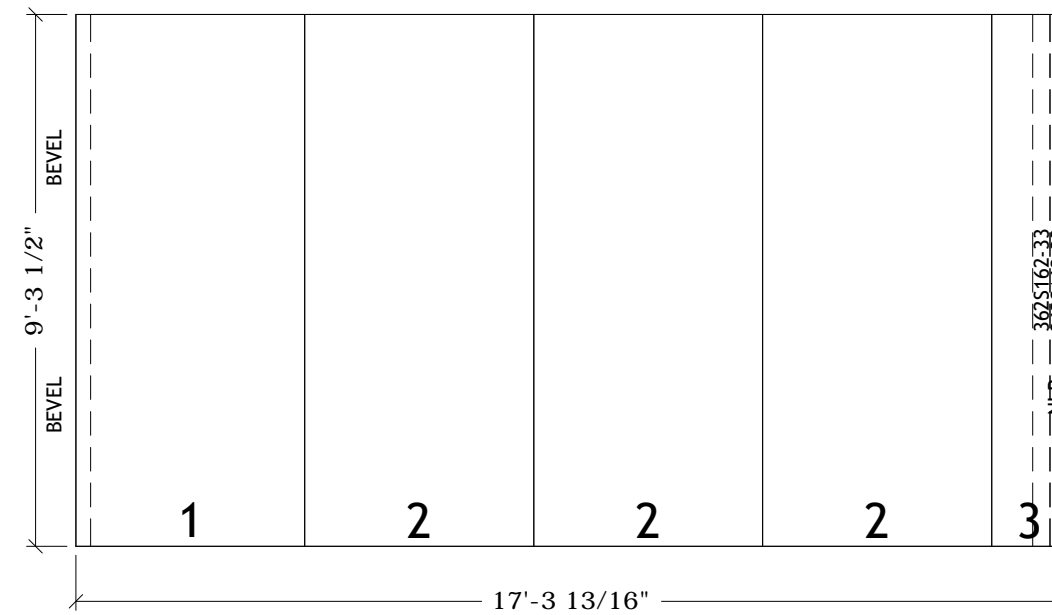
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Roof 4
7 1/2" PANELS
362S162-33 @ 16" O.C.
(1.5PCF EPS DENSITY)



Roof 5
7 1/2" PANELS
362S162-33 @ 16" O.C.
(1.5PCF EPS DENSITY)

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