## EXTERIOR WALL PANEL ASSEMBLY DRAWINGS FOR 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.

## **ABBREVIATIONS**

Linear Foot / Linear Feet

Laminated Veneer Lumber

L.F.

L.V.L.

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"		

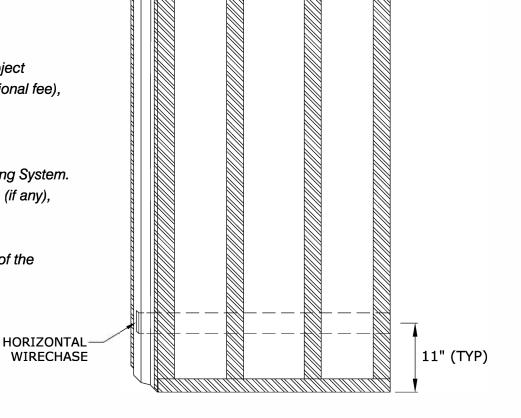
MAX.

### **Additional Compliance Reports**

HUD - Bulletin # 1072 UL-File NC 554 South Florida - HTL98072 Florida Product Approval - FL3491, FL2039 Energy Star Partner

#### **Building Code Listings**

ICC - ES - Legacy Report # PFC-4216 BOCA - Report # 91-40 ICBO - Report # PFC-4216 SBCCI - Report # 2143



## TYPICAL WIRECHASE LOCATION

PANEL AS VIEWED FROM OUTSIDE OF THE STRUCTURE

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REVISION:

DRAWN: B Revell

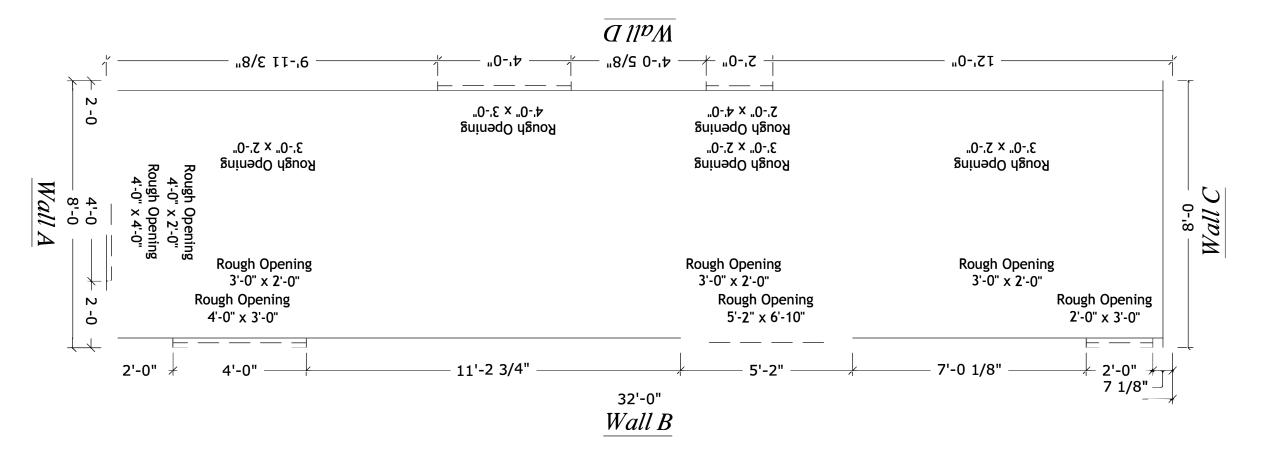
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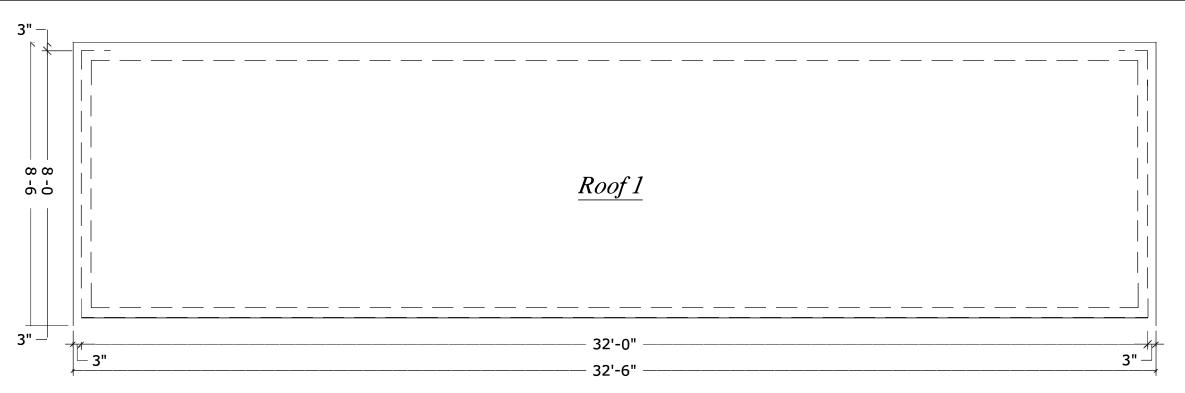
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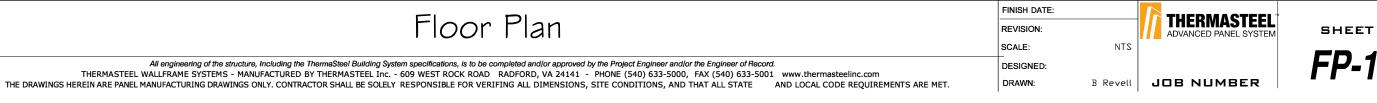
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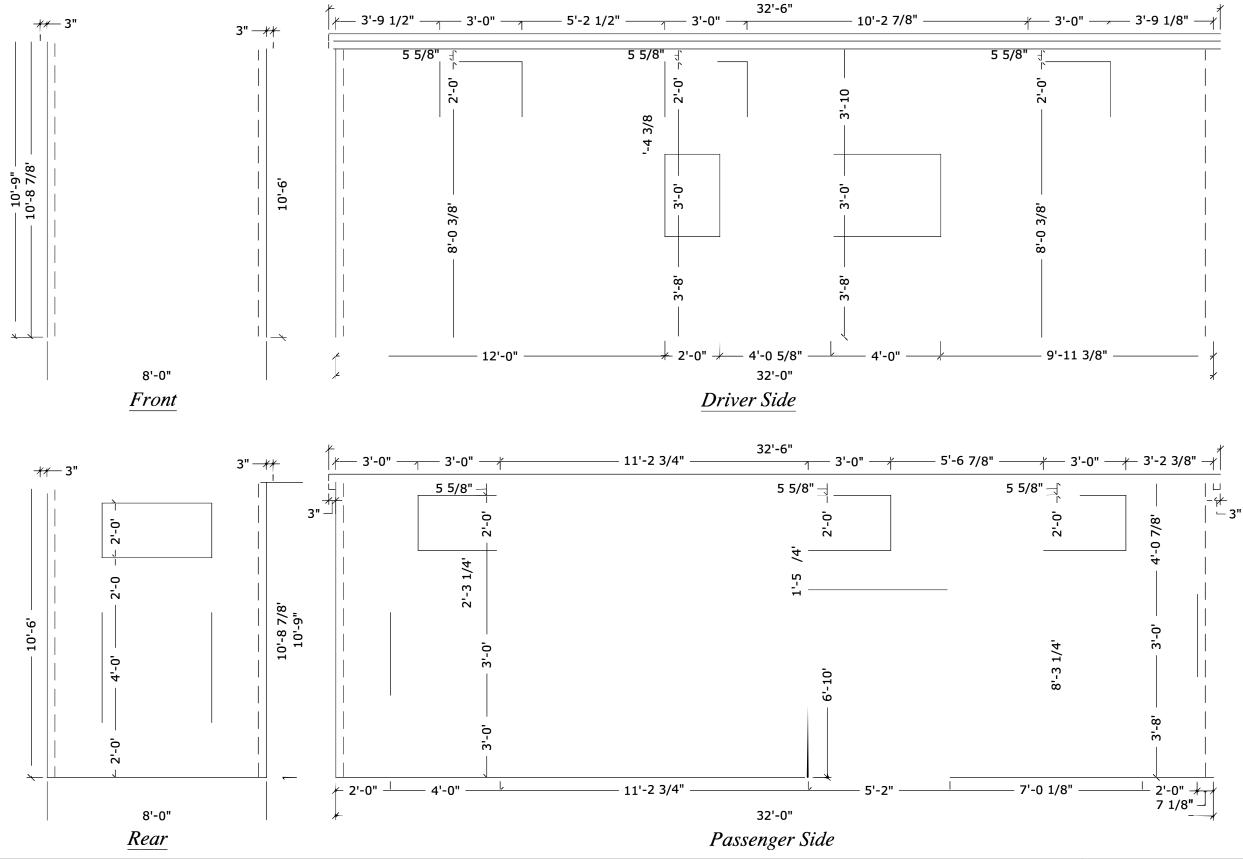
Cover

THE DRAWINGS HEREIN ARE MANUFACTURING DRAWINGS ONLY. CONTRACTOR SHALL BE SOLELY
RESPONSIBLE FOR VERIFING ALL DIMENSIONS, SITE CONDITIONS, AND THAT ALL STATE AND LOCAL CODE REQUIREMENTS ARE MET.
THERMASTEEL BUILDING SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd. - WEST ROCK ROAD RADFORD, VA 24141
PHONE (540) 633-5000 FAX (540) 633-5001 www.thermasteelinc.com









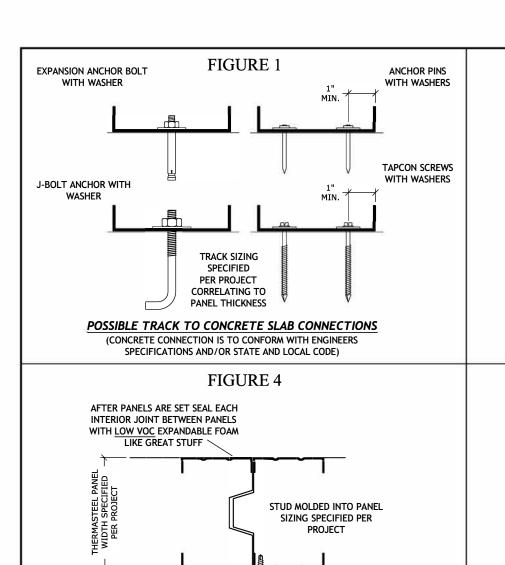
Elevations

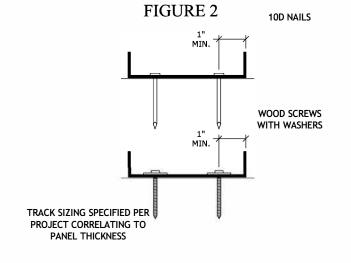
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**THERMASTEEL** 

EV-1

SHEET





#### POSSIBLE TRACK TO WOODEN FLOOR SYSTEM CONNECTIONS

(WOODEN FLOOR SYSTEM CONNECTION IS TO CONFORM WITH ENGINEERS SPECIFICATIONS AND/OR STATE AND LOCAL CODE)

FIGURE 5

AFTER PANELS ARE SET SEAL EACH

INTERIOR JOINT BETWEEN PANELS
WITH LOW VOC EXPANDABLE FOAM

LIKE GREAT STUFF

STUD MOLDED INTO PANEL

SIZING SPECIFIED PER

PROJECT

MINIMUM (1) #10 SELF-TAPPING TECH

SCREW THRU CORNER METAL INTO

PANEL STUD @ 12" ON CENTER (MAX.)

(TYPICAL EACH LEG OF CORNER METAL)

THERMASTEEL PANEL WIDTH SPECIFIED

CORNER METAL

SIZE CORRESPONDING TO

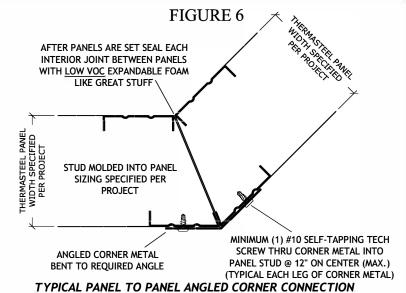
PANEL THICKNESS

#### THERMASTEEL PANEL STUD MOLDED INTO PANEL MINIMUM (2) #10 WIDTH SPECIFIED SELF-TAPPING TECH SCREWS SIZING SPECIFIED PER PER PROJECT THRU TRACK @ EACH STUD PROJECT (TYPICAL BOTH SIDES) AFTER PANELS ARE SET SEAL THE TOP OF EXTERIOR LEG OF BOTTOM TRACK TO PANEL> WITH LOW VOC WATER RESISTANT CAULK TRACK SIZING SPECIFIED INSTALL SEAL FOAM OR PER PROJECT AND PER EQUIVALENT UNDER TRACK PANEL THICKNESS **DURING TRACK INSTALLATION**

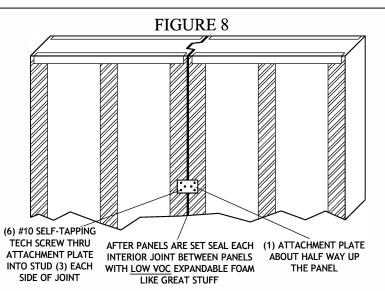
FIGURE 3

## TYPICAL TRACK TO THERMASTEEL PANEL CONNECTION

(DUPLICATE TRACK TO PANEL CONNECTION AT TOP OF PANEL)



(CONNECTION IS TYPICAL ON EXTERIOR OF PANEL ONLY)



TYPICAL PANEL TO PANEL NO LAP CORNER CONNECTION

#### TYPICAL INTERIOR PANEL TO PANEL CONNECTION (TYPICAL FOR ALL PANEL GREATER THAN 9' TALL AND ALL STEM/BASEMENT WALL PANELS) (CONNECTION IS TYPICAL ON INTERIOR OF PANEL ONLY)

FIGURE 9 MINIMUM (6) #8 SELF-TAPPING TECH SCREW THRU ATTACHMENT PLATE INTO STUD (3) EACH SIDE OF JOINT

## TYPICAL STAGGERED PANEL CONNECTION

(CONNECTION IS TYPICAL ON BOTH INTERIOR AND EXTERIOR OF PANEL)

# DATE: SCALE: N.T.S. DRAWN:

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**PPROVED** 

SYSTEM PANE MANUFACTURED 609 West Rock **ADVANCED** 

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RESPONSIBLE

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CONTRACTOR SINS, AND THAT

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#### HEADER PER LOW VOC EXPANDABLE FOAM OR TAPE TO **ENGINEER BLOCK AIR INFILTRATION BOTH INTERIOR** AND EXTERIOR HEADER/SILL CONNECTION MATERIAL COMBO HEADER MINIMUM (1) #10 SELF-TAPPING PANEL TECH SCREW THRU CONNECTION MATERIAL INTO STUD @ 2" ON CENTER EACH SIDE OF JOINT HEADER/SILL CONNECTION MATERIAL SILI PANEL

TYPICAL PANEL TO PANEL SHIPLAP JOINT CONNECTION

FIGURE 7

MINIMUM (1) #10 SELF-TAPPING TECH

SCREW THRU LEADING EDGE INTO STUD

ON NEXT PANEL @ 12" ON CENTER (MAX.)

AFTER PANELS ARE SET ANY AIR GAP AT

SEAM NOT COVERED BY FLANGES SHOULD

BE CLOSED BY OTHER MEANS SUCH AS

LEADING EDGE MATERIAL

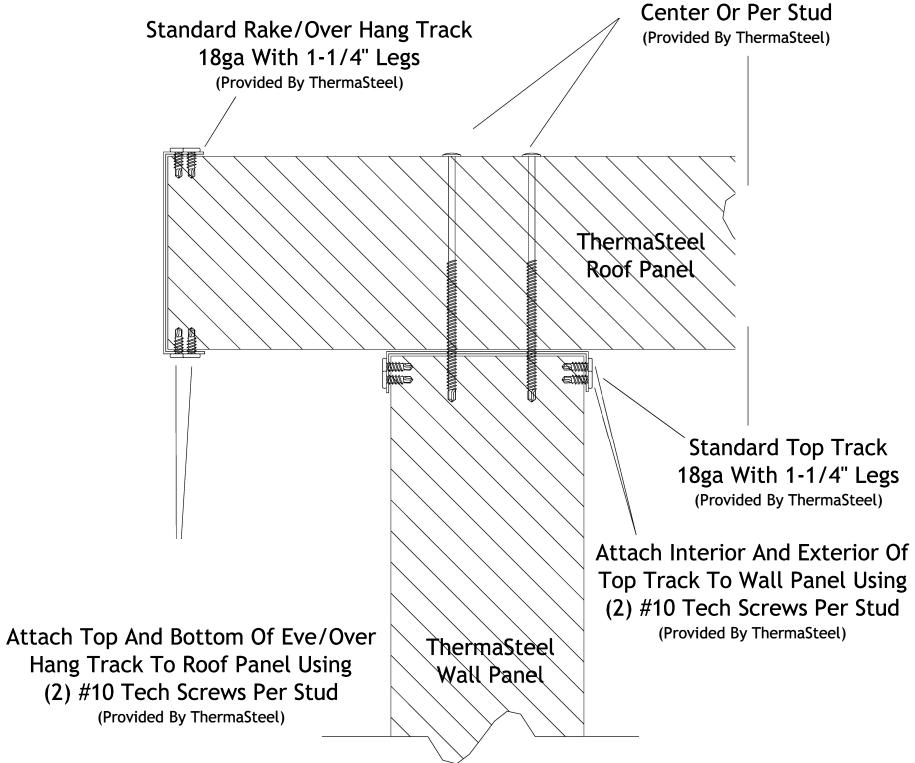
MOLDED INTO PANEL

STRUCTURAL

## HEADER/SILL PANEL TO WALL PANEL CONNECTION

(CONNECTION IS TYPICAL ON BOTH INTERIOR AND EXTERIOR OF PANEL)

Attach Roof Panel To Wall Panel Using (2) TruFast Light Gauge Self Drilling Roof Screws (SIPLD-XXXX) @ 16" On



Suggested	Connection	Detail
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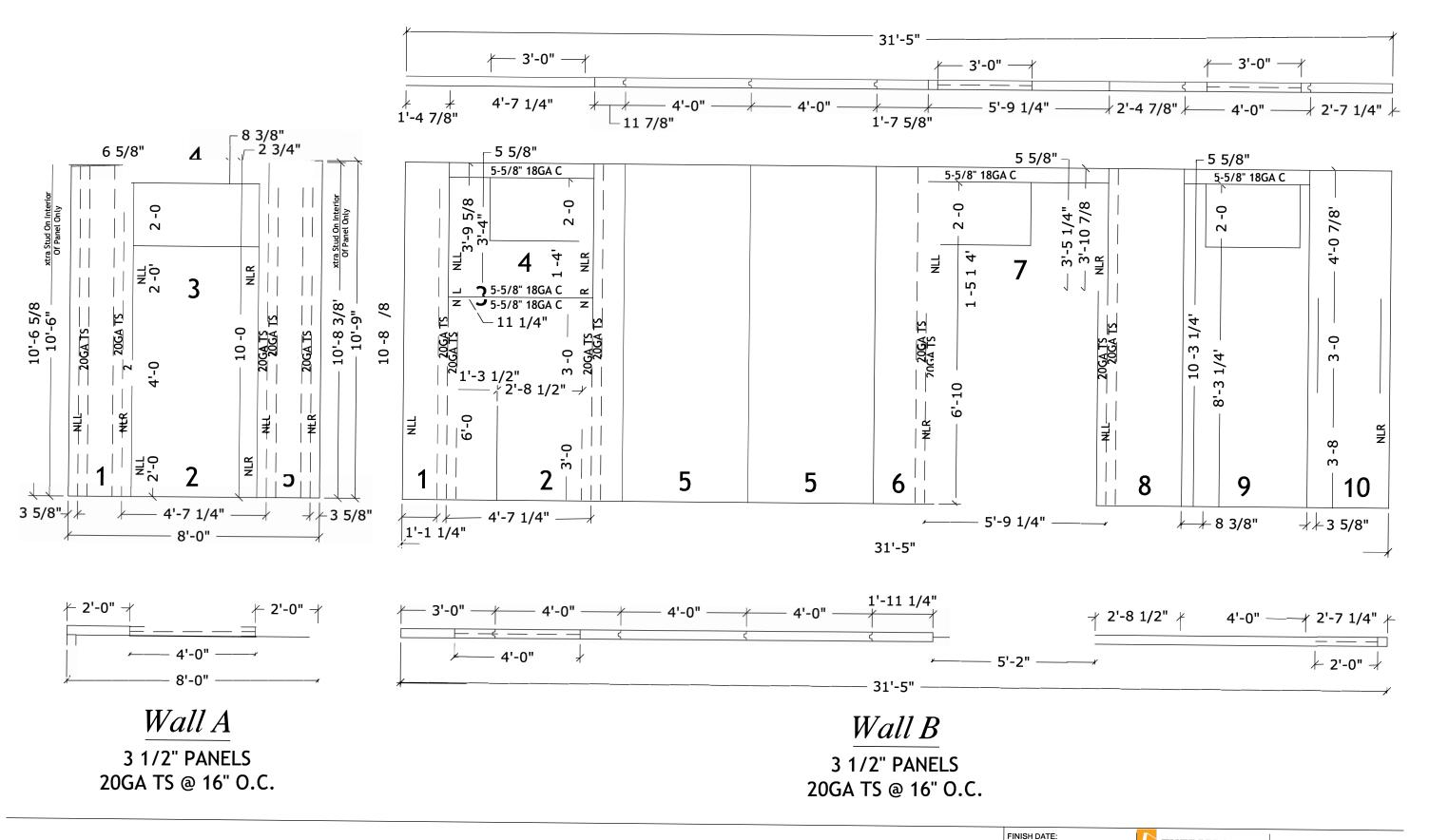
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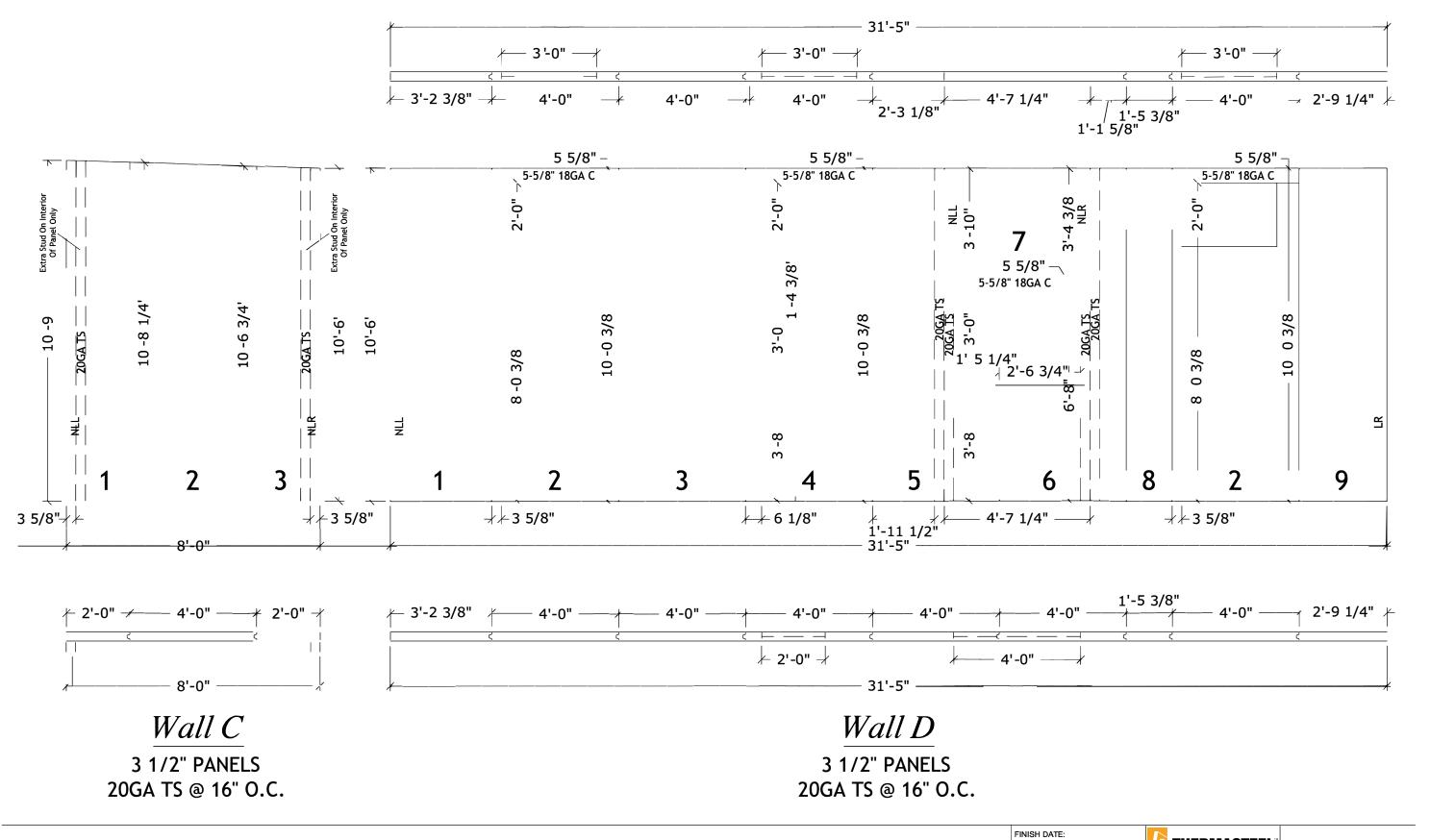
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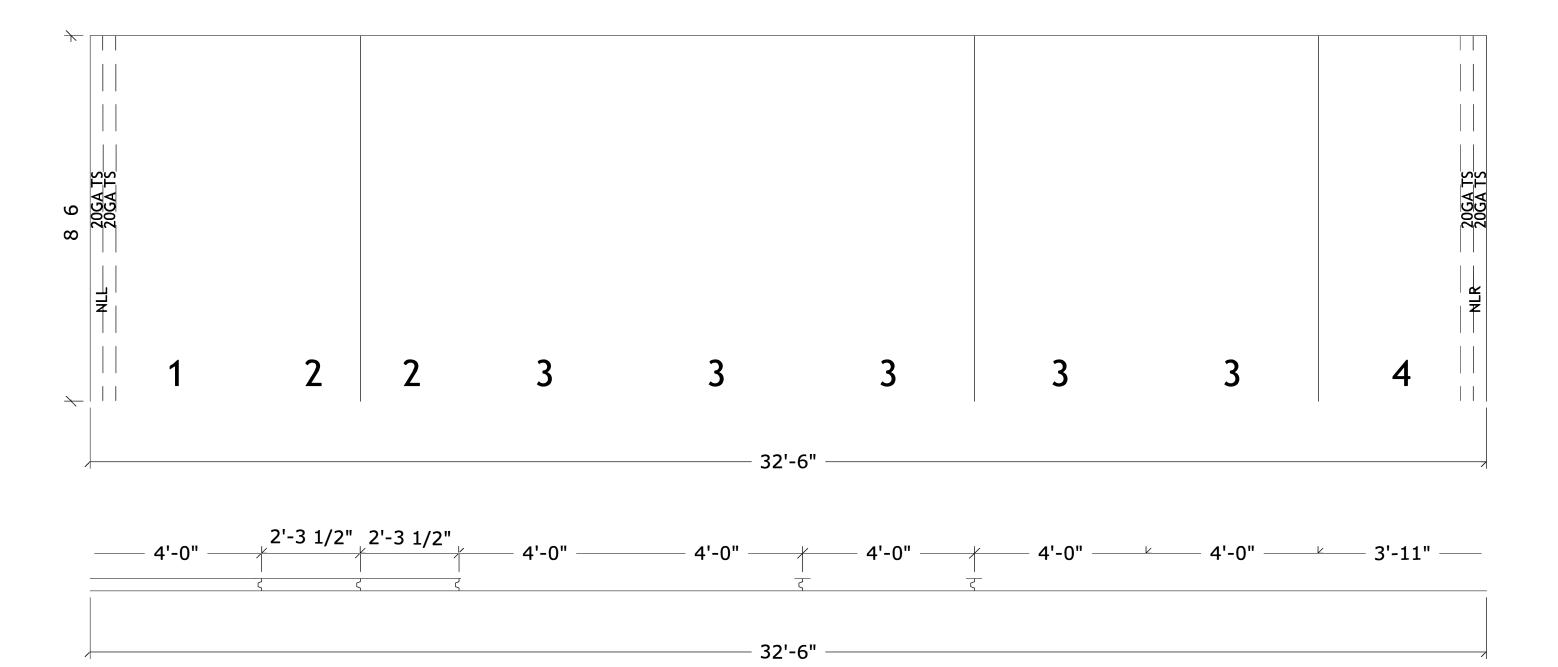
DRAWN:

B Revell

JOB NUMBER







# Roof 1

3 1/2" PANELS 20GA TS @ 16" O.C.