THERMASTEEL™

ADVANCED PANEL SYSTEM

2024 TYPICAL CONNECTION DETAILS

www.thermasteelinc.com/resources

ASTM INTERNATIONAL

Connection Detail Chapters

1. Basic Panels
2. Below Grade
3. Floor Connections
4. Floor Design
5. Panel Hold Downs and Track Connections
6. Headers/Sills
7. Panel To Panel Connections
8. Roof Connections
9. Special Panels
10. Connections To Other Building Systems
11. Miscellaneous
12. Field Modifications

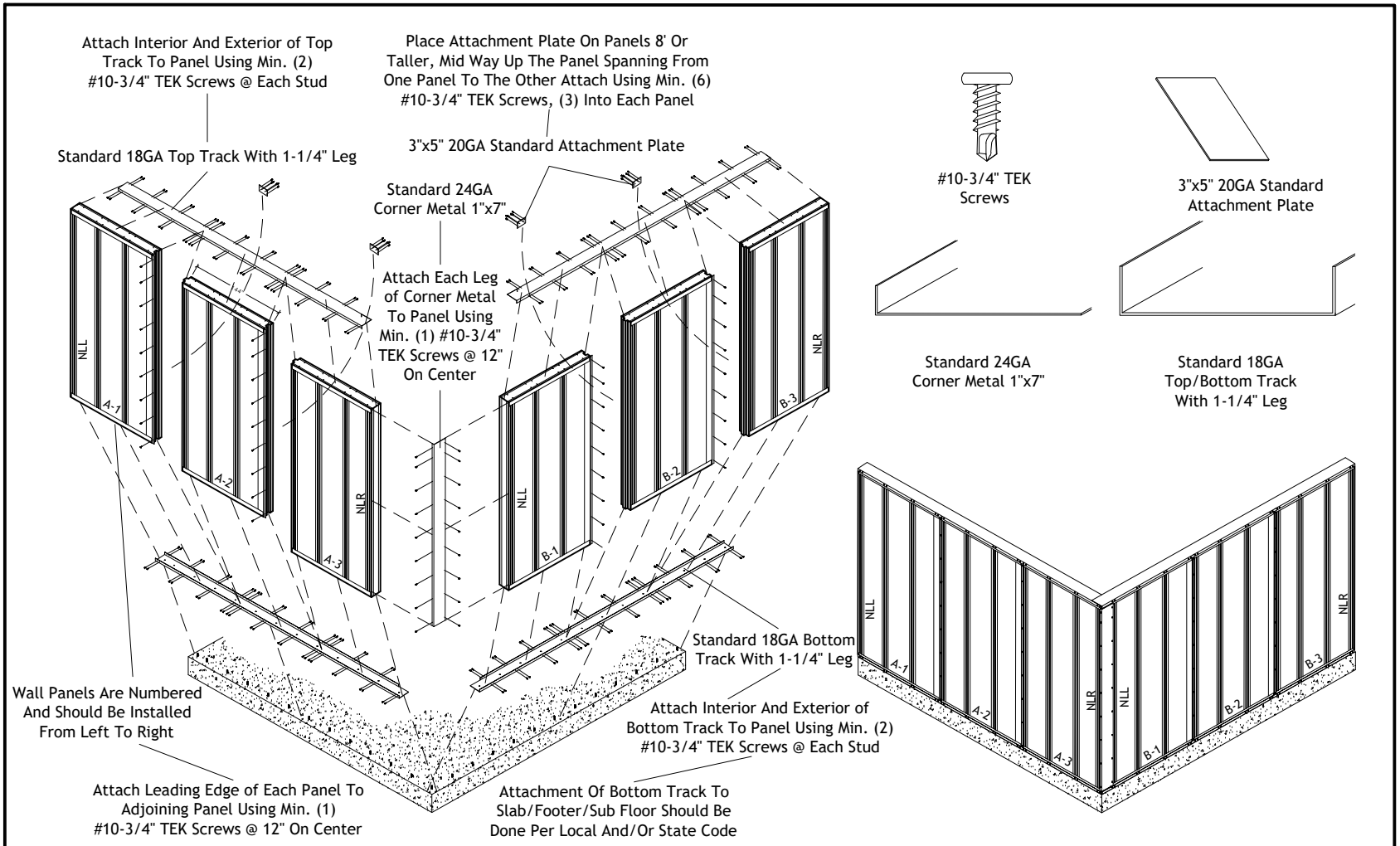
Floor Connections 30

Panel To Panel Connections 84

Roof Connections 93

Basic Panels

Back To Connection Detail Chapters



THERMASTEEL™
ADVANCED PANEL SYSTEM

Basic Panels

Typical Wall Panel Layout - Exploded View

Not To Scale
Rev: 11/30/2021
Drawing Number
BP-001

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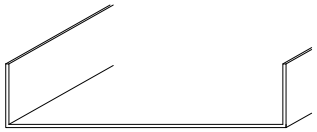
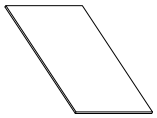
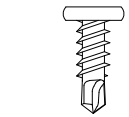
Note: Also See Our Typical Wall Panel Connection Details (CD-1) Figure 7 For More Information



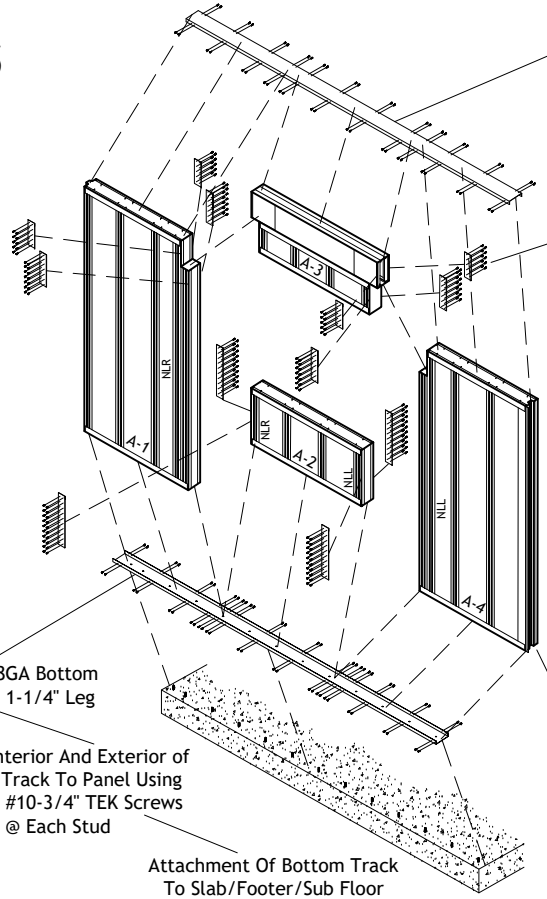
Standard 18GA Top/Bottom Track With 1-1/4" Leg



3" Wide 24GA Standard Header/Sill Attachment Metal



#10-3/4" TEK Screws



Standard 18GA Top Track With 1-1/4" Leg

Attach Interior And Exterior of Top Track To Panel Using Min. (2) #10-3/4" TEK Screws @ Each Stud

3" Wide 24GA Standard Header/Sill Attachment Metal

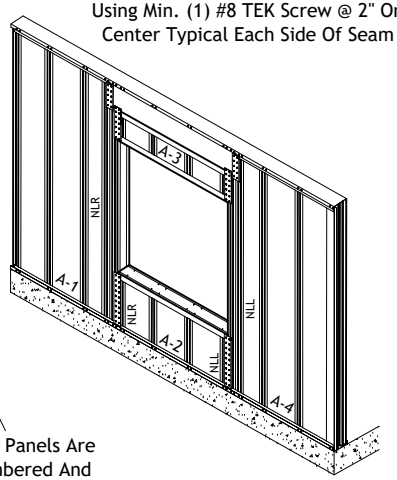
Place Header/Sill Attachment Metal On Both Interior And Exterior Of Panels Overlapping The Seam By 1-1/2" Each Side And Covering Seam Fully From Top To Bottom Attach Using Min. (1) #8 TEK Screw @ 2" On Center Typical Each Side Of Seam

Standard 18GA Bottom Track With 1-1/4" Leg

Attach Interior And Exterior of Bottom Track To Panel Using Min. (2) #10-3/4" TEK Screws @ Each Stud

Attachment Of Bottom Track To Slab/Footer/Sub Floor Should Be Done Per Local And/Or State Code

Wall Panels Are Numbered And Should Be Installed From Left To Right



THERMASTEEL™
ADVANCED PANEL SYSTEM

Basic Panels

Typical Wall Panel With Openings - Exploded View

Not To Scale

Rev: 11/30/2021

Drawing Number

BP-002

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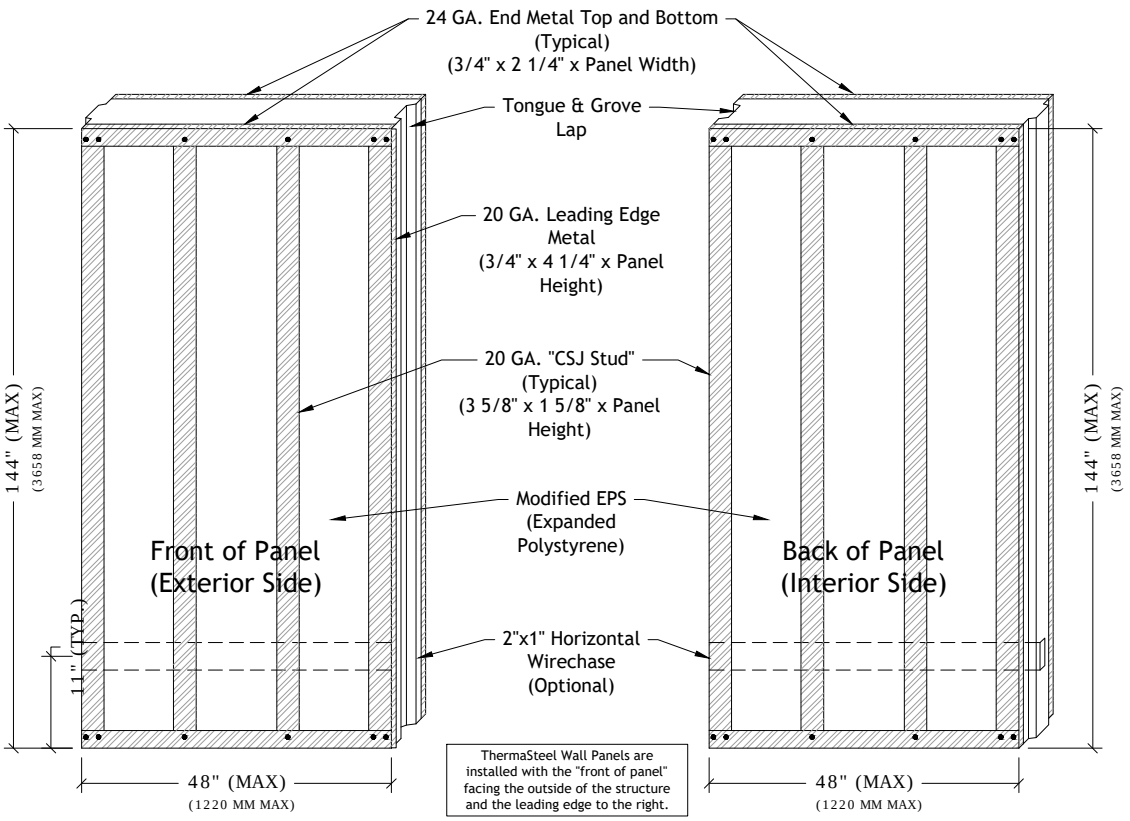
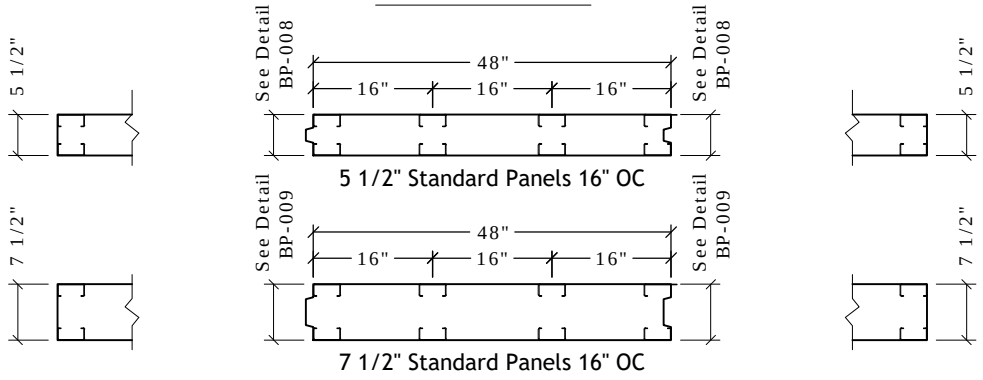


PANEL ELEVATION



NO LAP LEFT | BOTTOM VIEW | NO LAP RIGHT

FOR ALL PANEL THICKNESSES
(ALL DIMENSIONS TAKEN FROM EXTERIOR SURFACE)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Basic Panels

16" O.C. Wall Panel

Not To Scale

Rev: 09/28/2023

Drawing Number
BP-003

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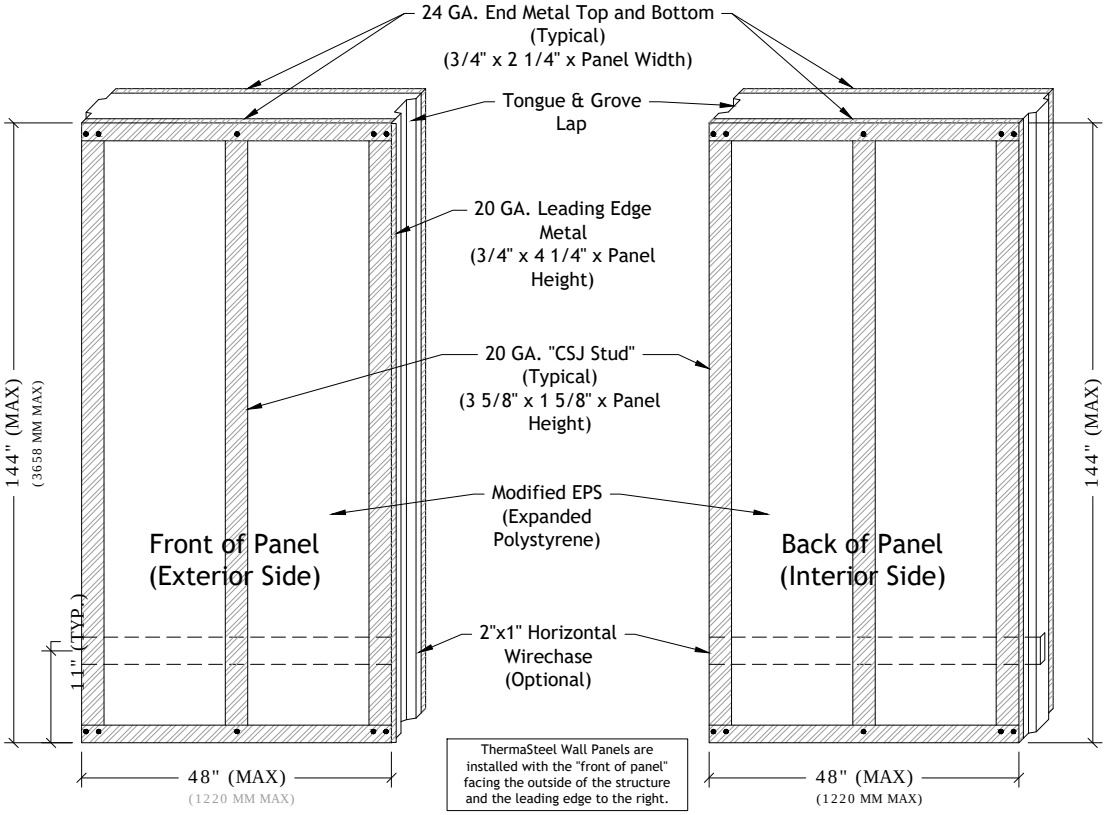
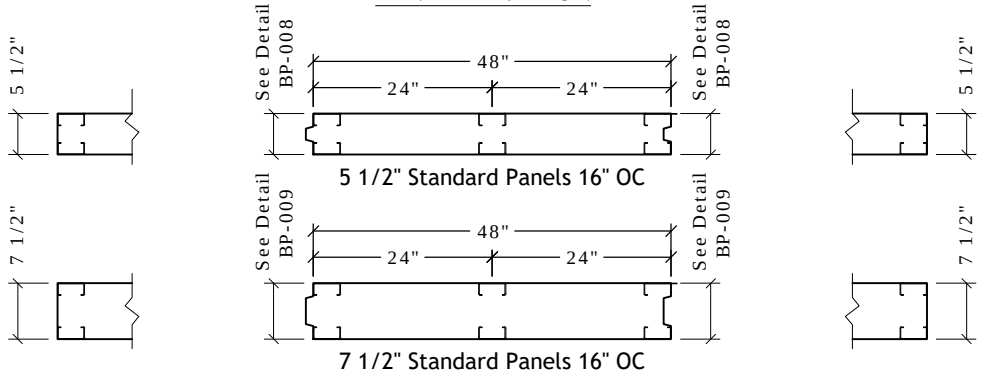


PANEL ELEVATION



NO LAP LEFT | BOTTOM VIEW | NO LAP RIGHT

FOR ALL PANEL THICKNESSES
(ALL DIMENSIONS TAKEN FROM EXTERIOR SURFACE)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Basic Panels

24" O.C. Wall Panel

Not To Scale
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Drawing Number
BP-004

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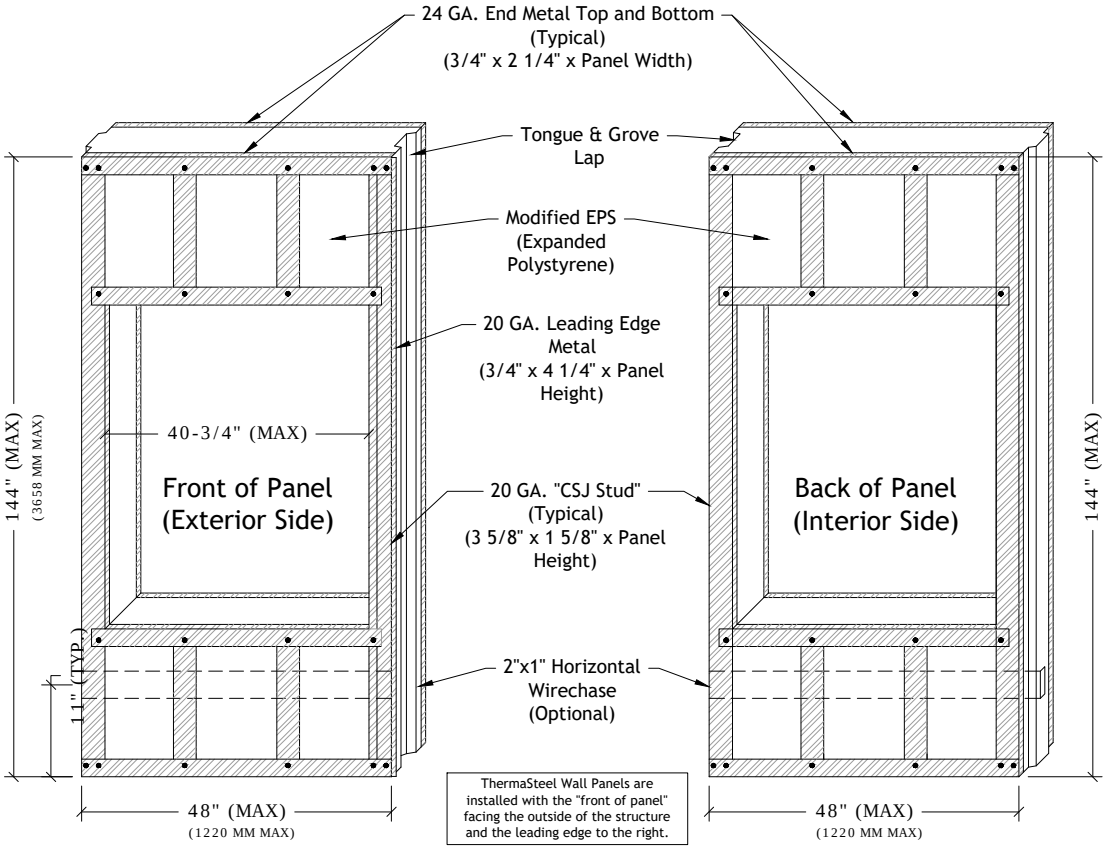
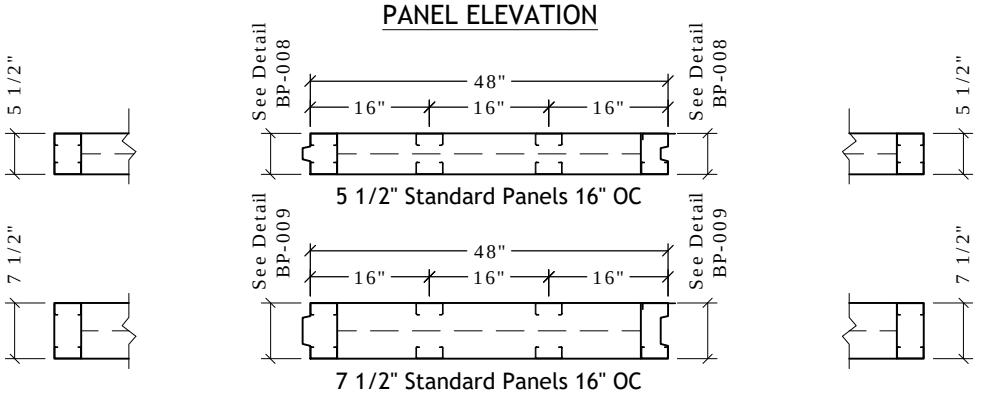


PANEL ELEVATION



NO LAP LEFT

BOTTOM VIEW

NO LAP RIGHT

FOR ALL PANEL THICKNESSES
(ALL DIMENSIONS TAKEN FROM EXTERIOR SURFACE)

THERMASTEEL™
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Basic Panels

Window Opening
Wall Panel

Not To Scale

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Drawing Number
BP-005

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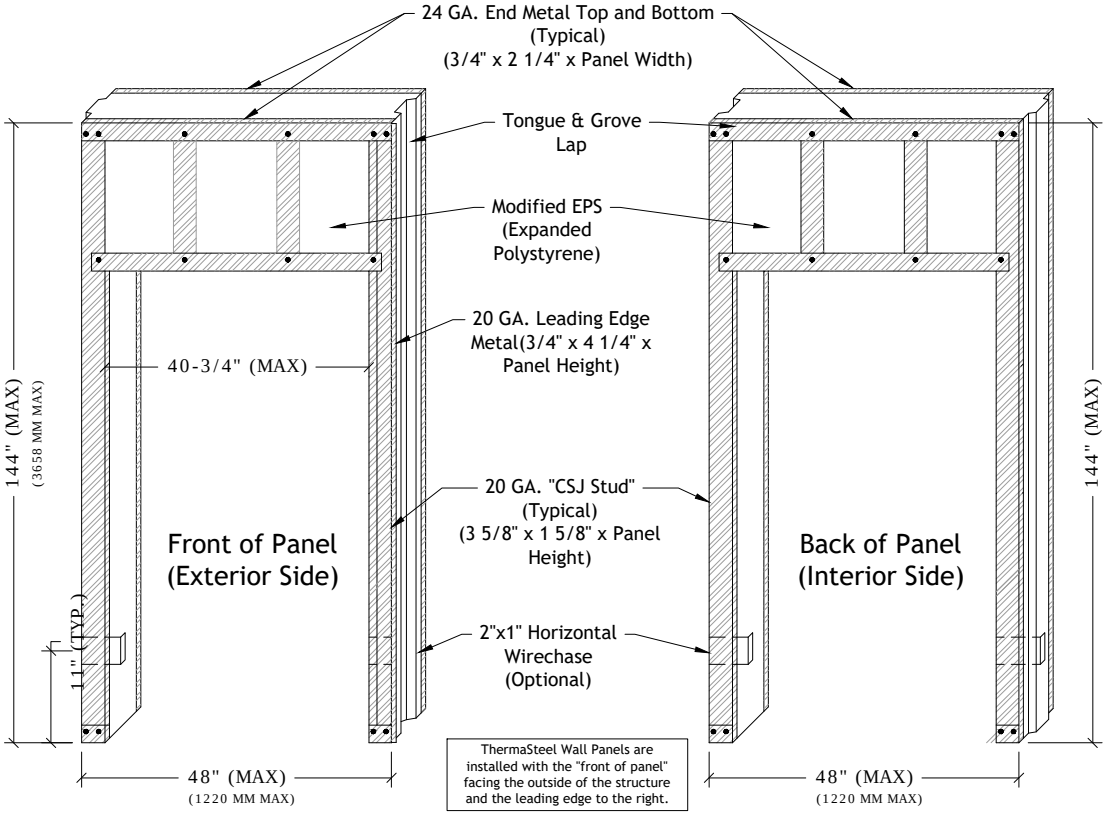
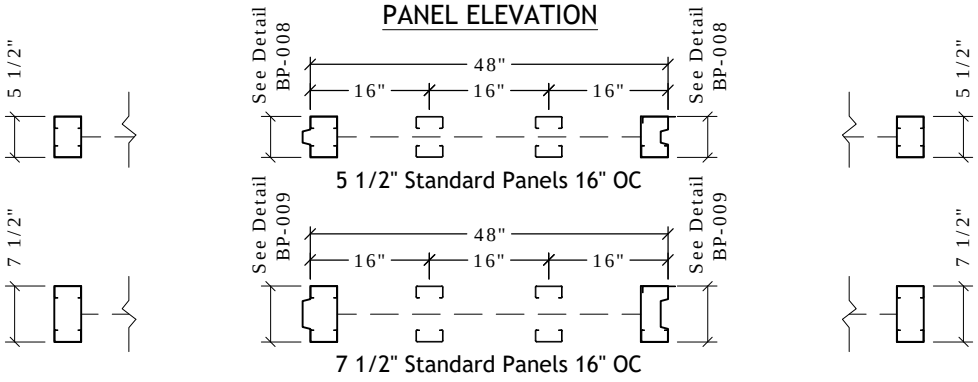


PANEL ELEVATION



NO LAP LEFT | BOTTOM VIEW | NO LAP RIGHT

FOR ALL PANEL THICKNESSES
(ALL DIMENSIONS TAKEN FROM EXTERIOR SURFACE)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Basic Panels

Door Opening
Wall Panel

Not To Scale
Rev: 09/28/2023
Drawing Number
BP-006

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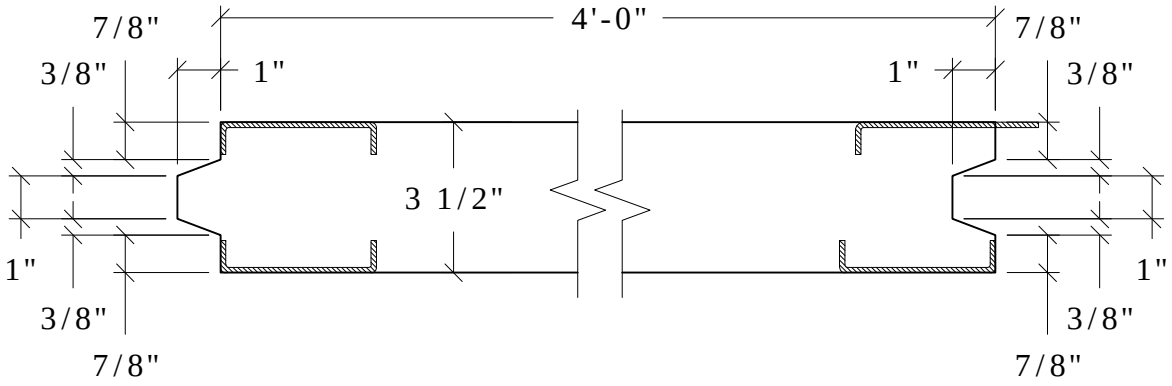

Maximum Panel Size:
48" (4'-0") Wide
144" (12'-0") High

THERMASTEEL™
ADVANCED PANEL SYSTEM

Basic Panels

Standard 3 1/2" Panel Dimensions

Not To Scale
Rev: 11/09/2023
Drawing Number
BP-007

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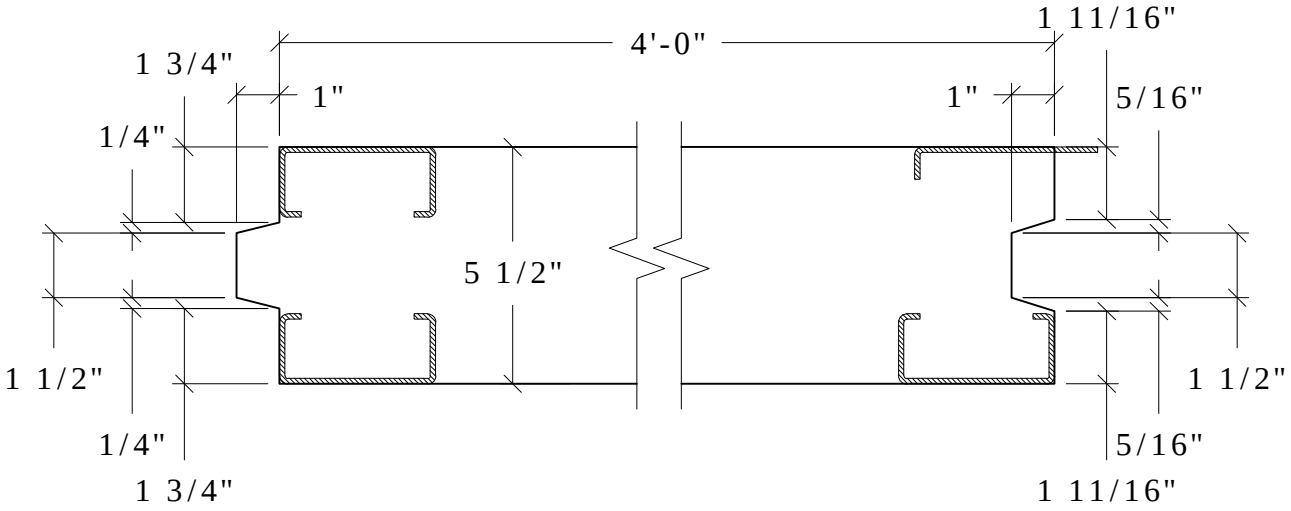

Maximum Panel Size:
48" (4'-0") Wide
144" (12'-0") High

THERMASTEEL™
ADVANCED PANEL SYSTEM

Basic Panels

Standard 5 1/2" Panel Dimensions

Not To Scale
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BP-008

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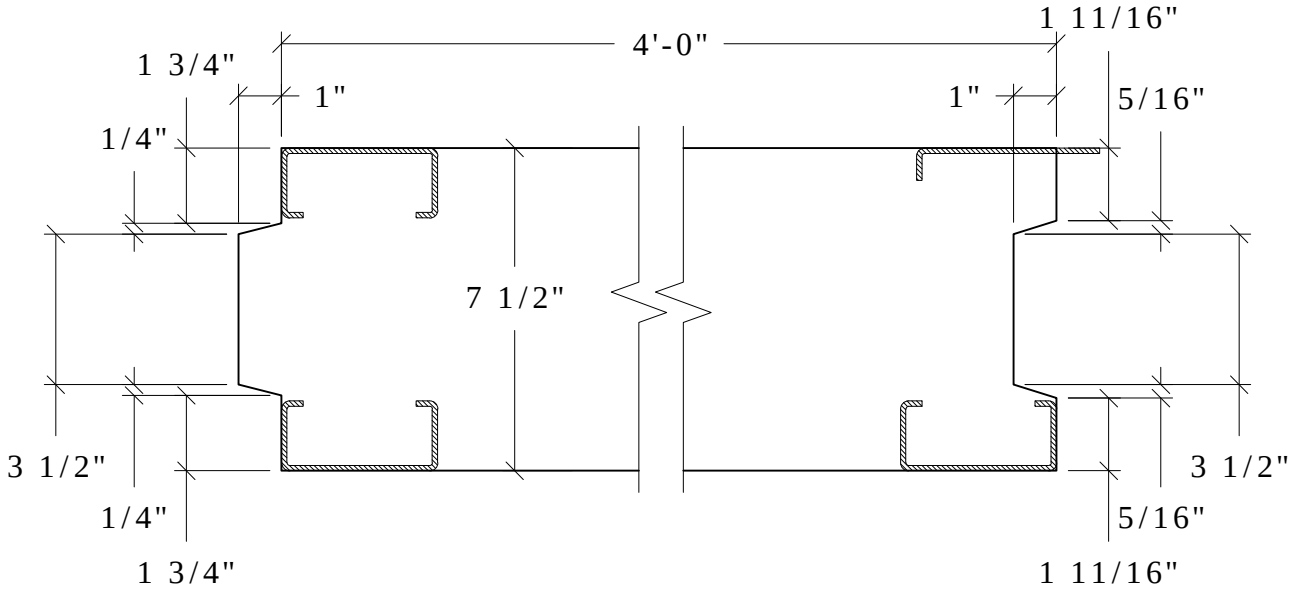

Maximum Panel Size:
48" (4'-0") Wide
144" (12'-0") High

THERMASTEEL™
ADVANCED PANEL SYSTEM

Basic Panels

Standard 7 1/2" Panel Dimensions

Not To Scale
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Drawing Number
BP-009

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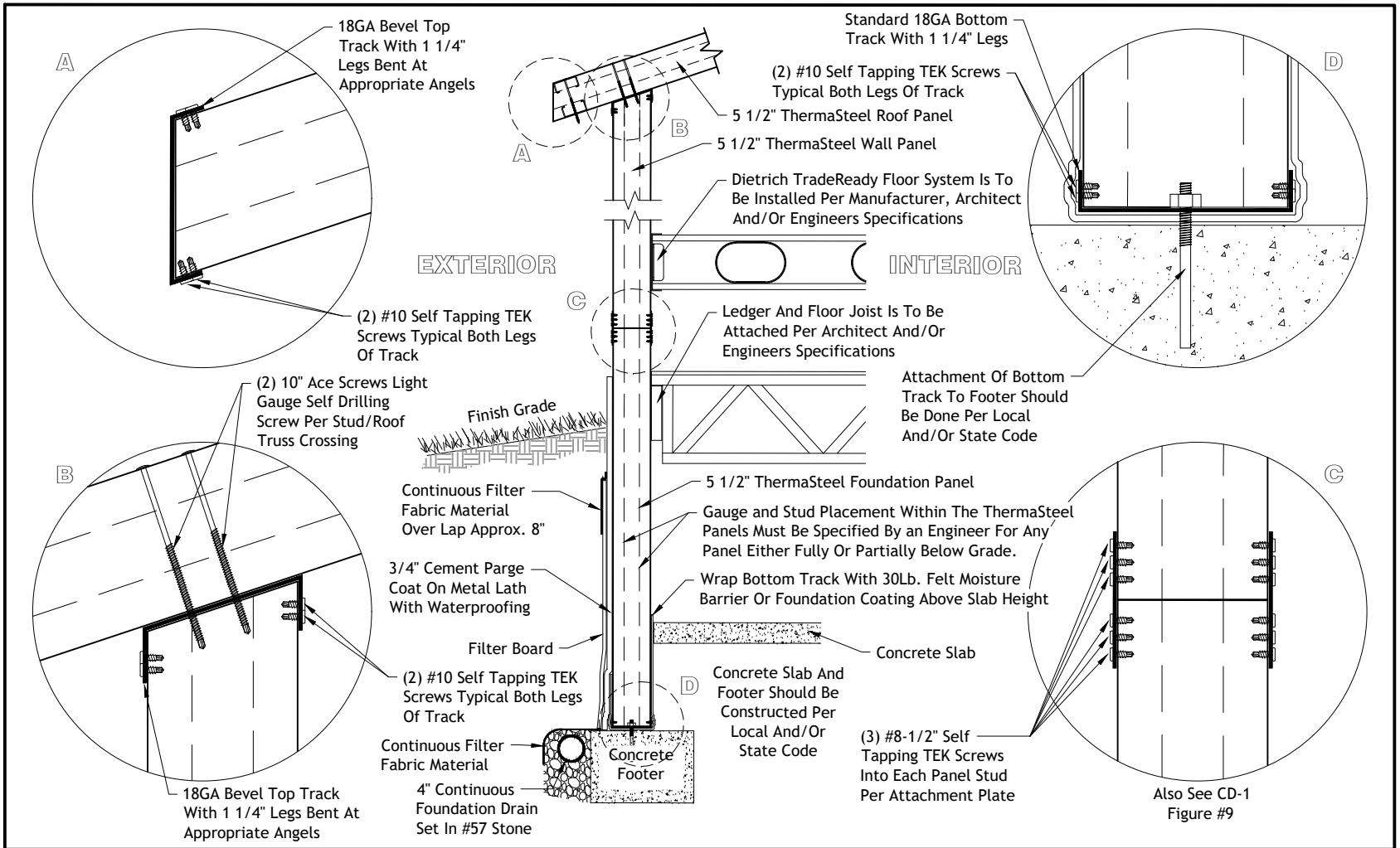

THERMASTEEL™
ADVANCED PANEL SYSTEM

Basic Panels

Multi Level Wall Panel Connection Section Detail 1

Not To Scale
Rev: 11/30/2021
Drawing Number
BP-010

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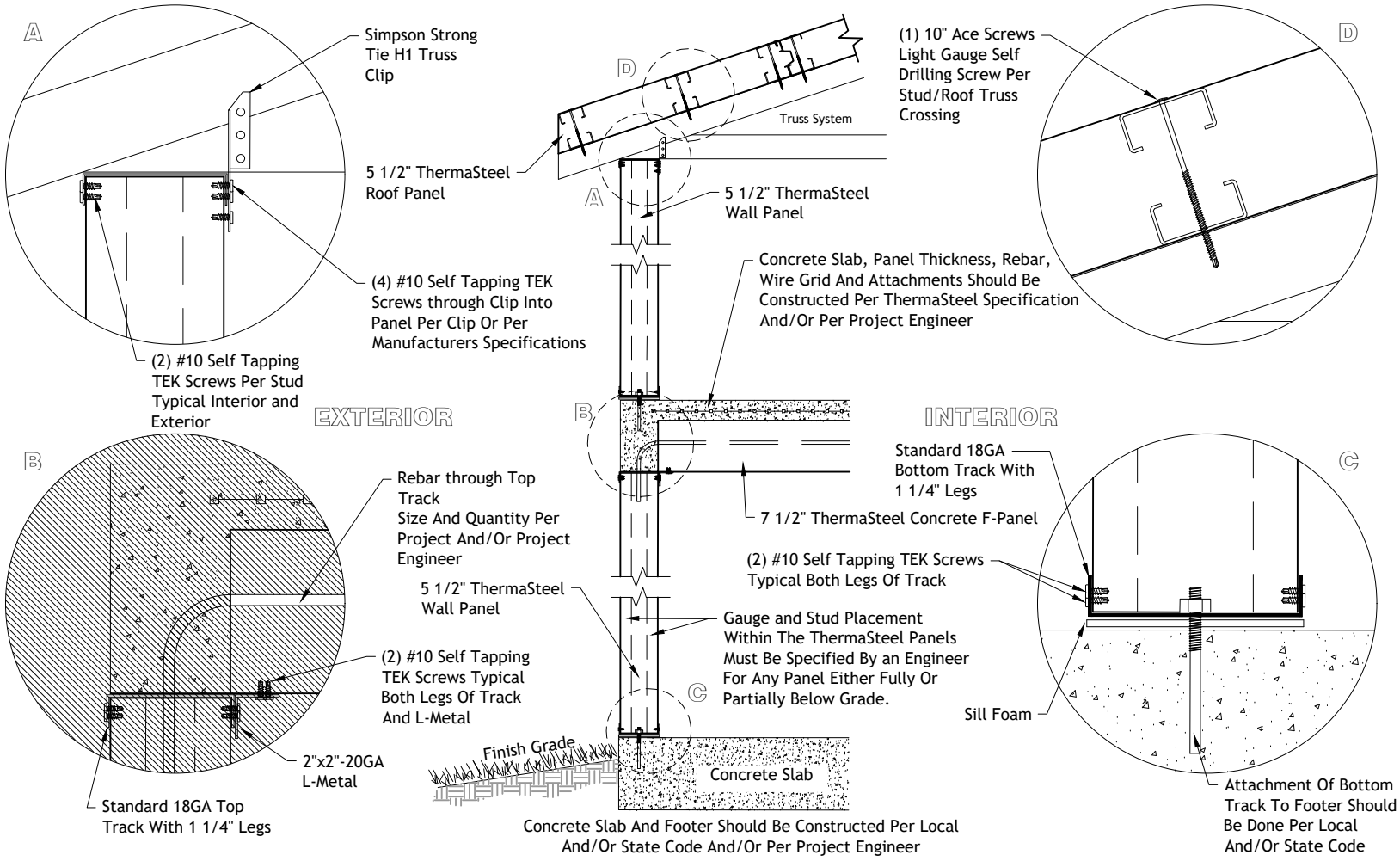

THERMASTEEL™
ADVANCED PANEL SYSTEM

Basic Panels

Multi Level Wall Panel Connection Section Detail 2

Not To Scale
Rev: 11/30/2021
Drawing Number
BP-011

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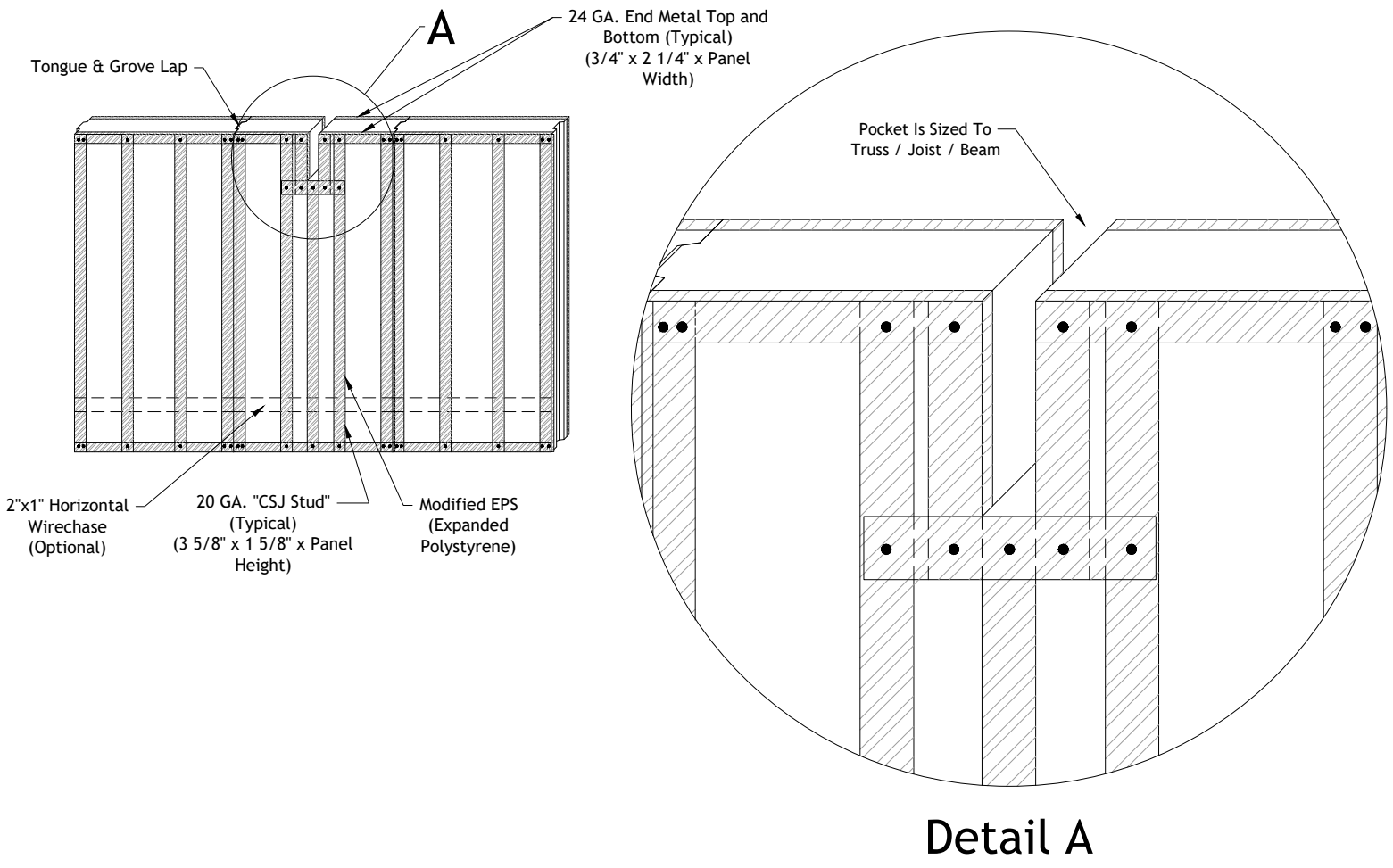

Detail A

THERMASTEEL™
ADVANCED PANEL SYSTEM

Basic Panels

Beam Pocket Wall Panel

Not To Scale

Rev: 11/08/2023

Drawing Number

BP-012

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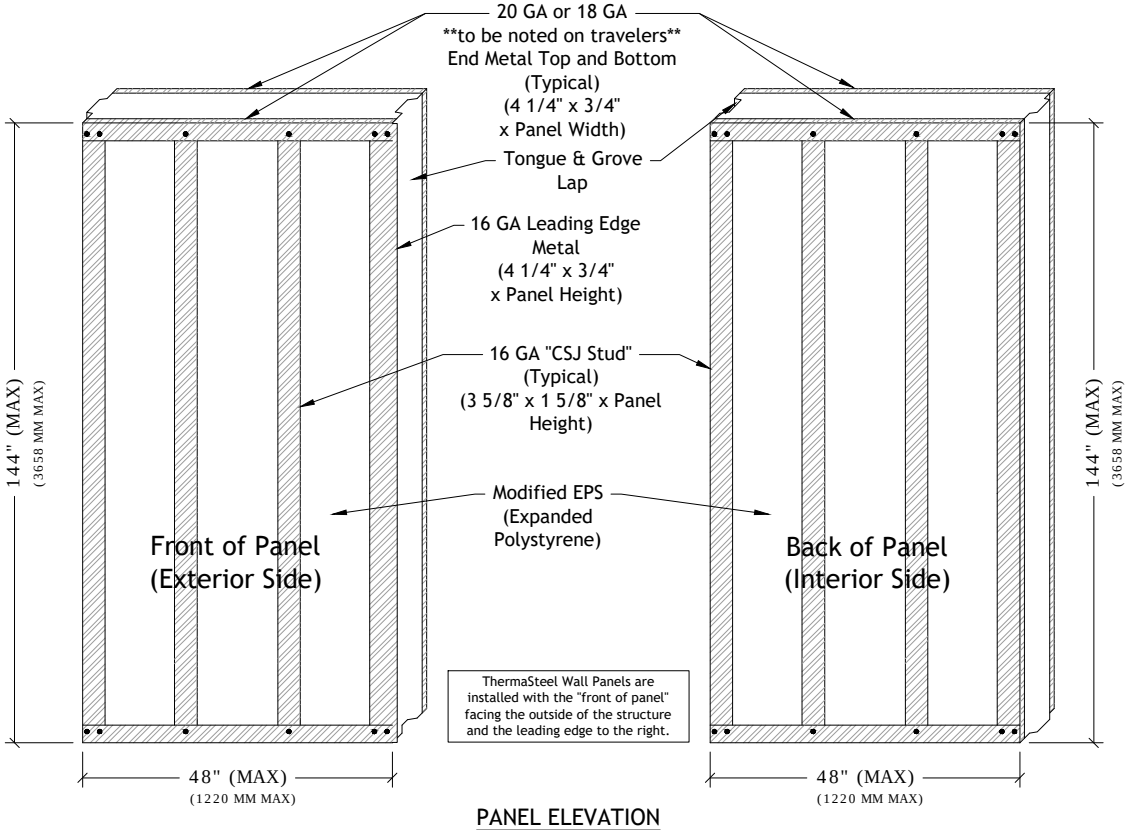
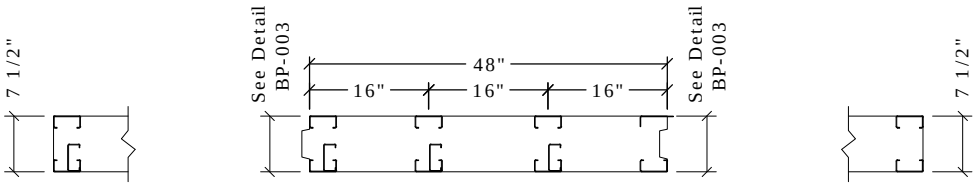
Below Grade

Back To Connection Detail Chapters



PANEL ELEVATION

All Rotated Studs Are To Be The Same Gauge As Specified For
The Panel Construction Material Unless Otherwise Noted



7 1/2" C600 Panels 16" OC

NO LAP LEFT

BOTTOM VIEW

NO LAP RIGHT

FOR ALL PANEL THICKNESSES
(ALL DIMENSIONS TAKEN FROM EXTERIOR SURFACE)
(WIRE CHASES NOT AVAILABLE ON THIS PANEL)

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ADVANCED PANEL SYSTEM

Below Grade

C600 Panel Detail

Not To Scale

Rev: 8/21/2023

Drawing Number

BG-001

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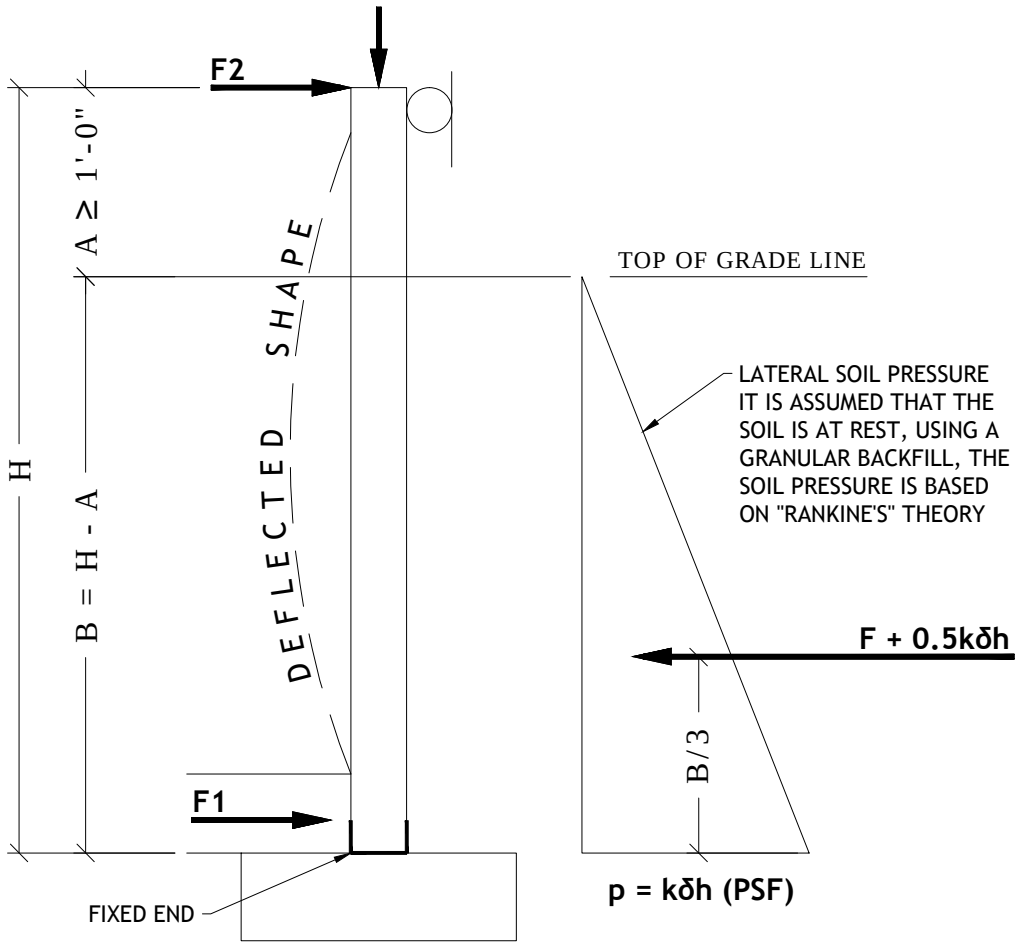

p = kδh ; K = 0.5 ; δ = 120PCF

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ADVANCED PANEL SYSTEM

Below Grade

Schematic
Calculation Model

Not To Scale
Rev: 11/30/2021
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BG-002

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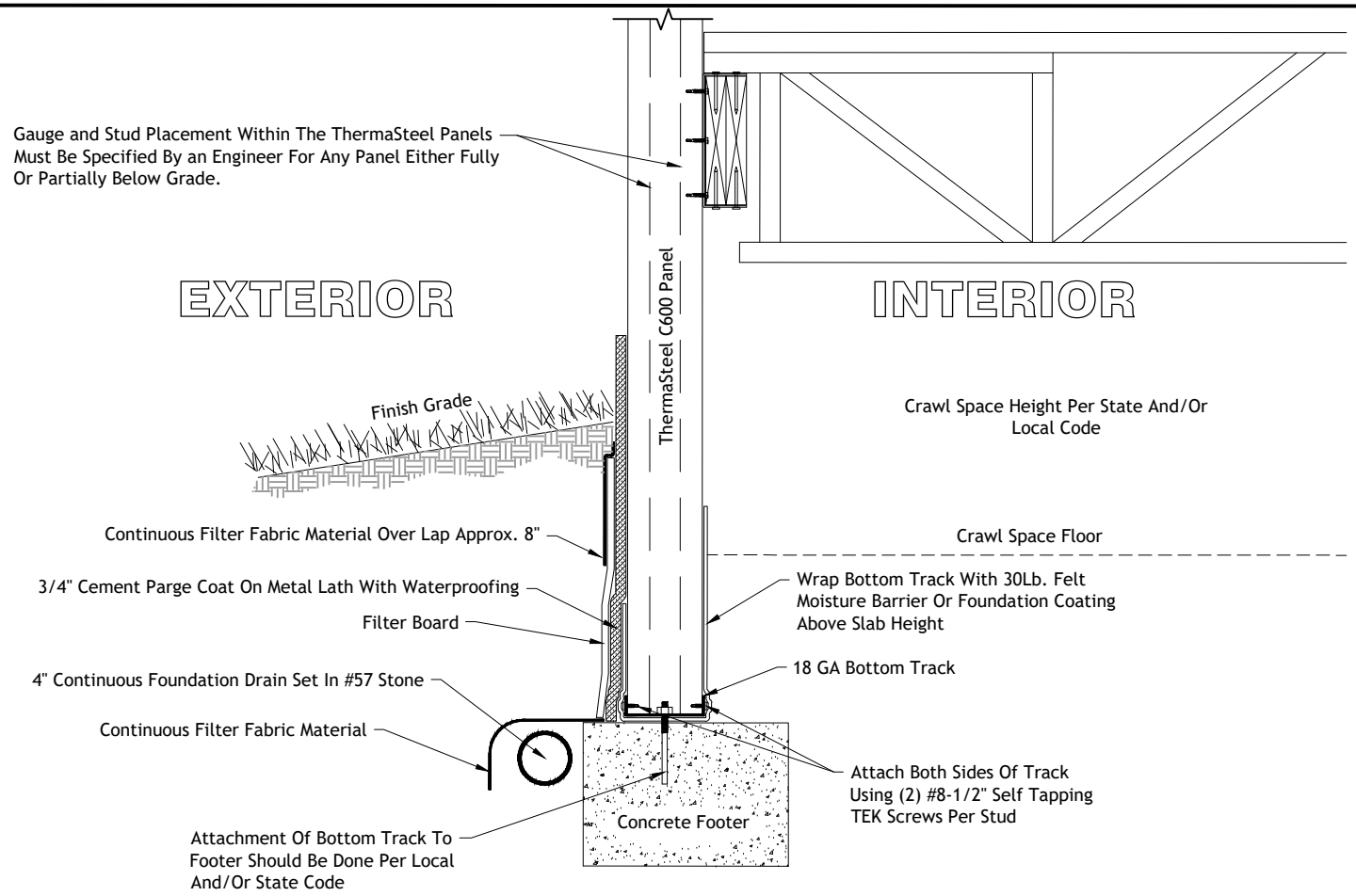

Note: Gravel And Back Fill Requirements Are To Be Determined By State And/Or Local Code, Project Architect, Structural Engineer And/Or Engineer Of Record

THERMASTEEL™
ADVANCED PANEL SYSTEM

Below Grade

Foundation Wall With 1st Floor Joist Connection

Not To Scale
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Drawing Number
BG-003

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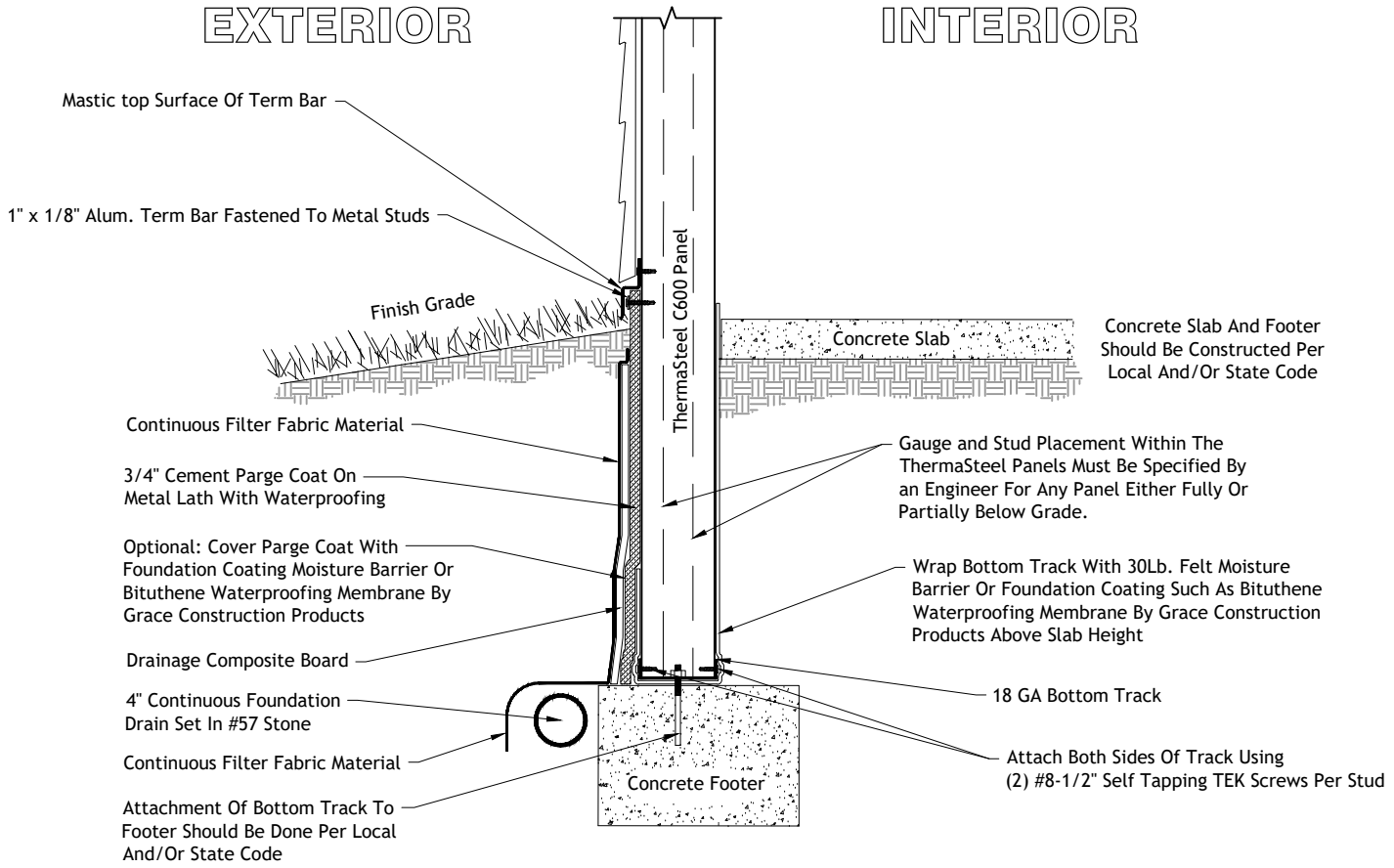

Note: Gravel And Back Fill Requirements Are To Be Determined By State And/Or Local Code, Project Architect, Structural Engineer And/Or Engineer Of Record

THERMASTEEL™
ADVANCED PANEL SYSTEM

Below Grade

Foundation Wall With Hydraulic Insulation

Not To Scale
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Drawing Number
BG-004

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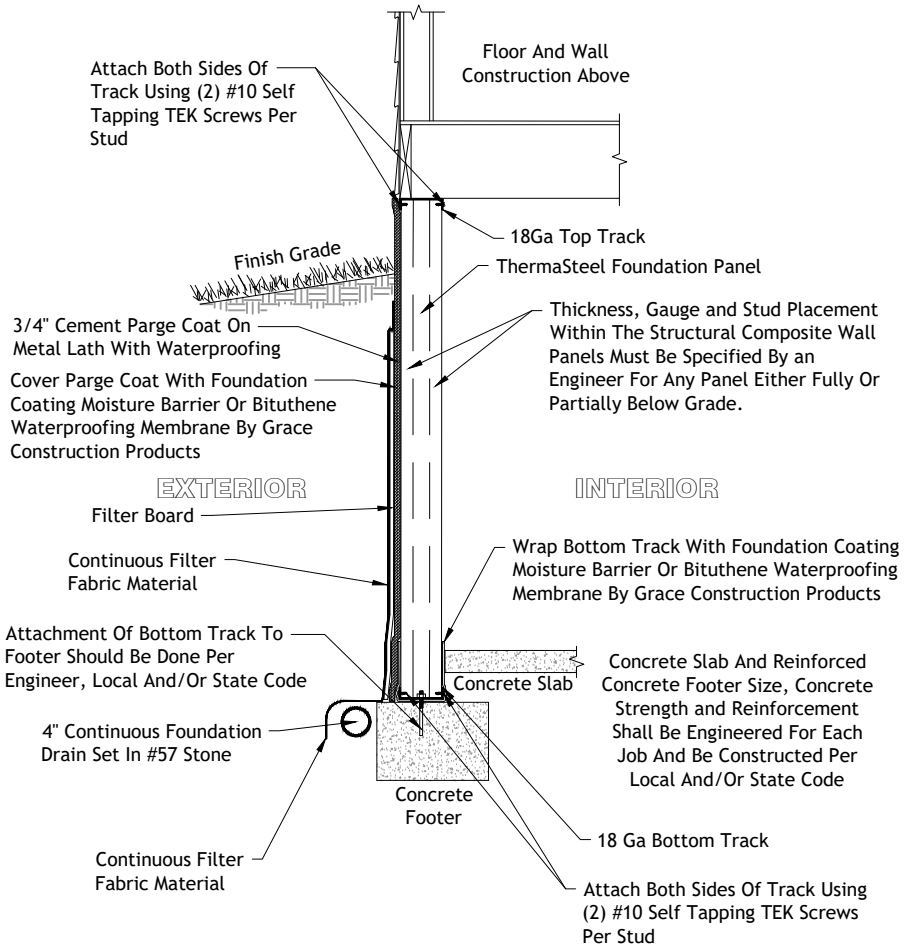


Grace Waterproofing Systems

Bituthene® 3000/3000 HC

High performance waterproofing membrane for sub-structures and flat deck applications

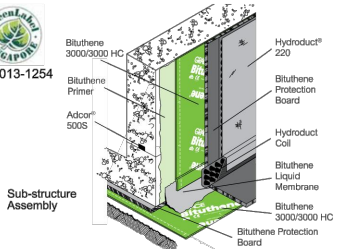
Description

Bituthene® 3000/3000 HC is a high performance, cold applied, flexible, preformed waterproof membrane combining a special high performance cross-laminated, HDPE carrier film with a unique self-adhesive rubber bitumen compound.

040-013-1254

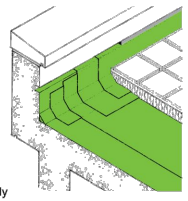
Applications

- Basement
- Sub-structures
- Flat decks
- Roof assemblies
- Elevated or grade level podiums
- Plaza decks / Roof gardens / Terraces



Advantages

Features	Advantages
Waterproof	• High hydrostatic head resistance
High density cross laminated polyethylene film	• Provides dimensional stability • Provides puncture resistance
Single layer	• Simple, reliable, low labour cost with the benefit of site programmed installation
Gas Resistant	• Methane, carbon dioxide and radon gas protection in excess of the standard membrane requirements in BRE Reports 211 (radon) and 212 (methane and carbon dioxide)
Cold applied	• No flame hazard • No heating required
Self-adhesive rubberied asphalt	• Continuity ensured at overlaps • Unique rubber/bitumen formulation allows healing of small punctures
Factory controlled thickness	• No variation by site practices
Chemically resistant	• Provides effective external protection against aggressive environments and ozone attack
Flexible	• Accommodates minor settlement and shrinkage movement
Tanking security	• Combined flexible membrane and waterstop system for security



Installation

- Measures should be taken to ensure that all surfaces are free from ice, frost or condensation. Roof slab surfaces must be dry, and free from sharp protrusions, and any hollows to be filled with high strength mortar.
- Horizontal and vertical faces must be smooth, regular, dry and free from nails. Prime the horizontal and vertical surfaces with one coat of Bituthene Primer applied by brush or roller at a rate of 6-8 sq m per litre depending on the

THERMASTEEL™
ADVANCED PANEL SYSTEM

Below Grade

Typical Below Grade Wall Section

Not To Scale

Rev: 11/30/2021

Drawing Number

BG-005

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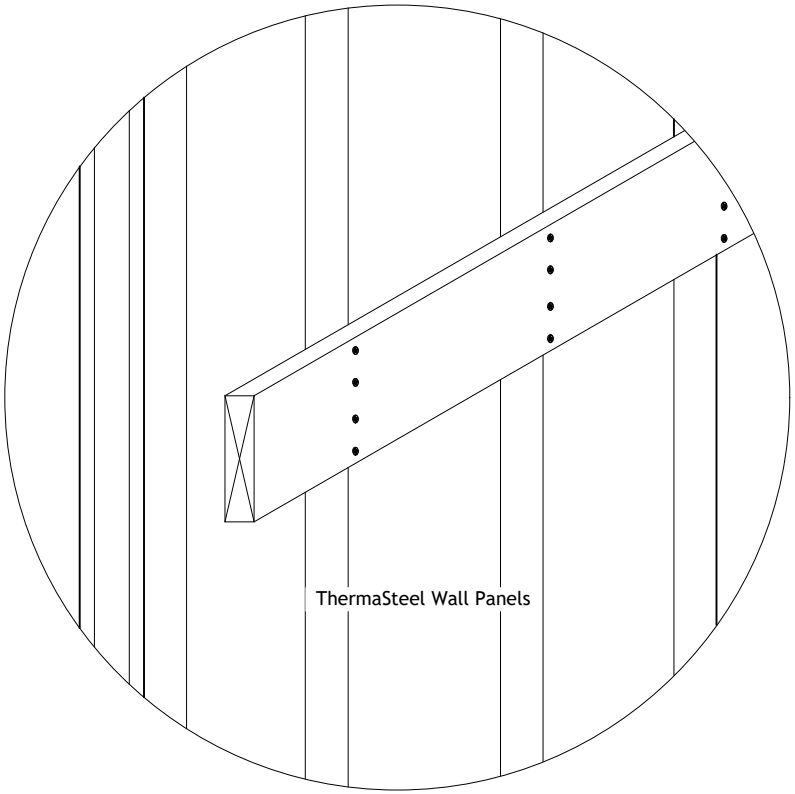
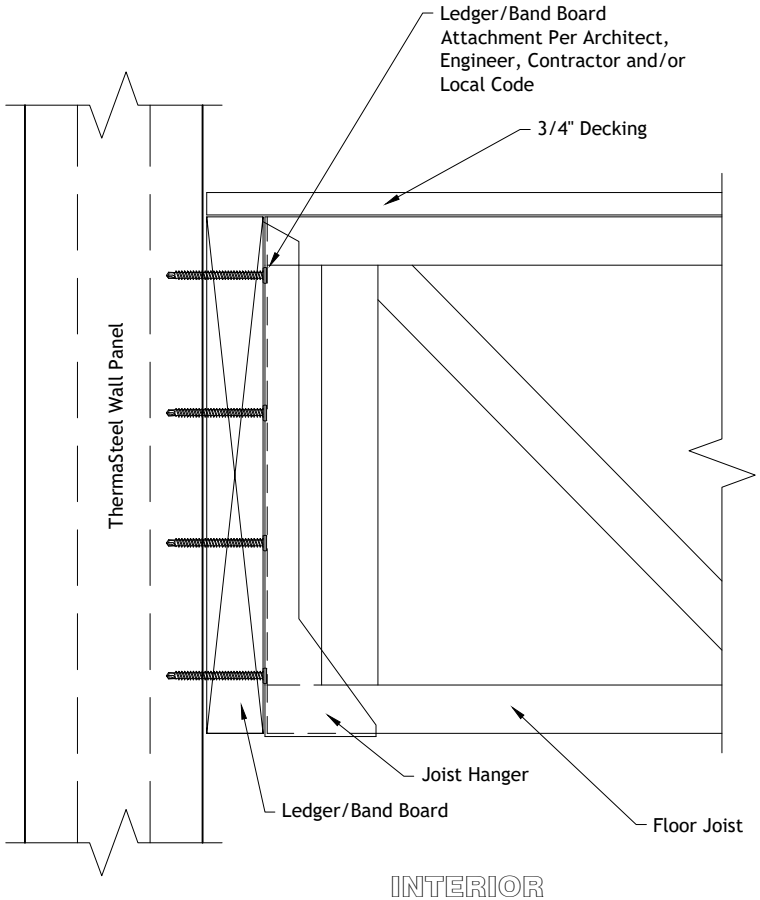
Floor Connections

Back To Connection Detail Chapters





THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connections

Typical Balloon Framing Wood Truss
Connection To A Panel
Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
FC-001

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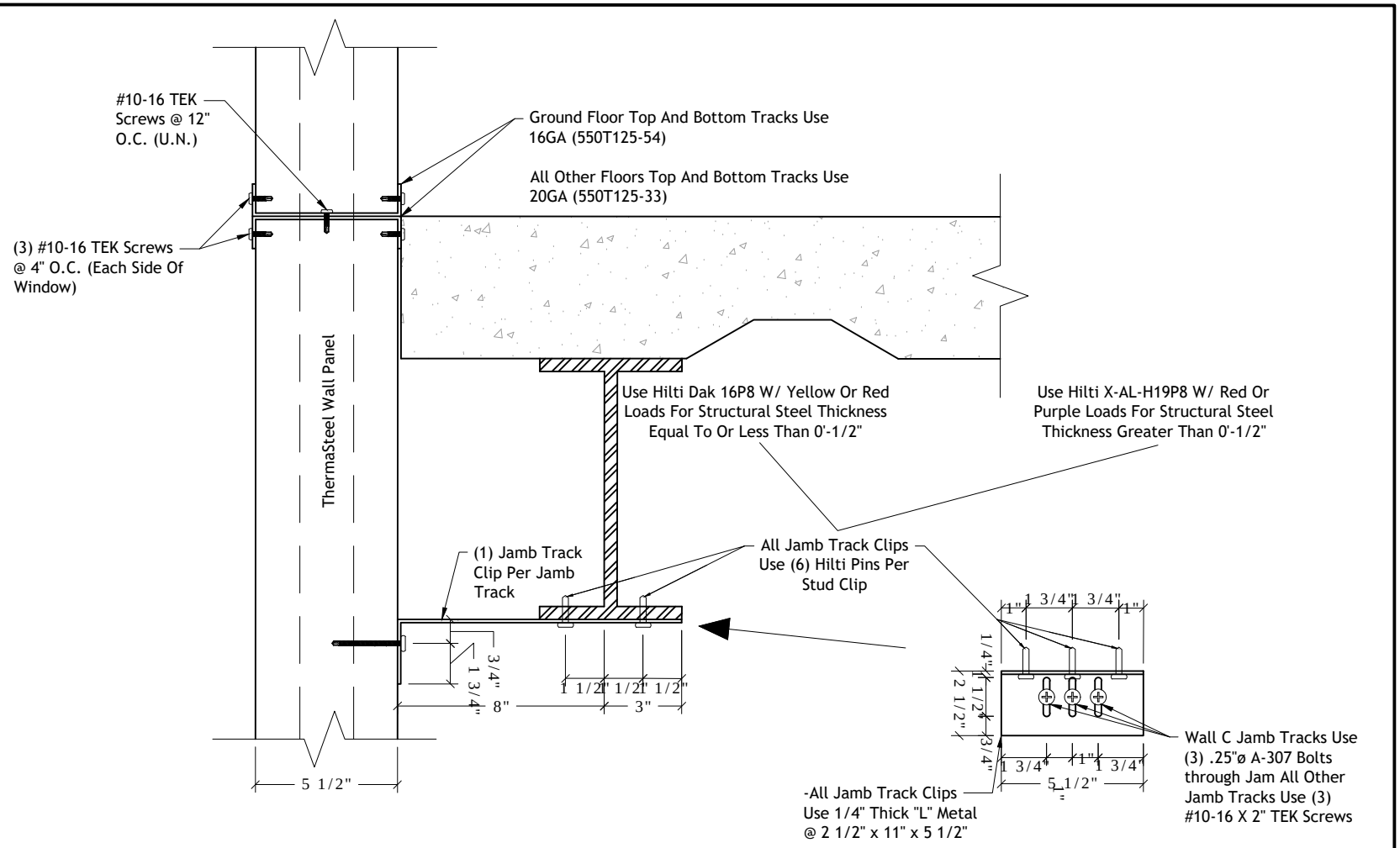

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Concrete Floor To Panel Connection With Slip Track Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
FC-002

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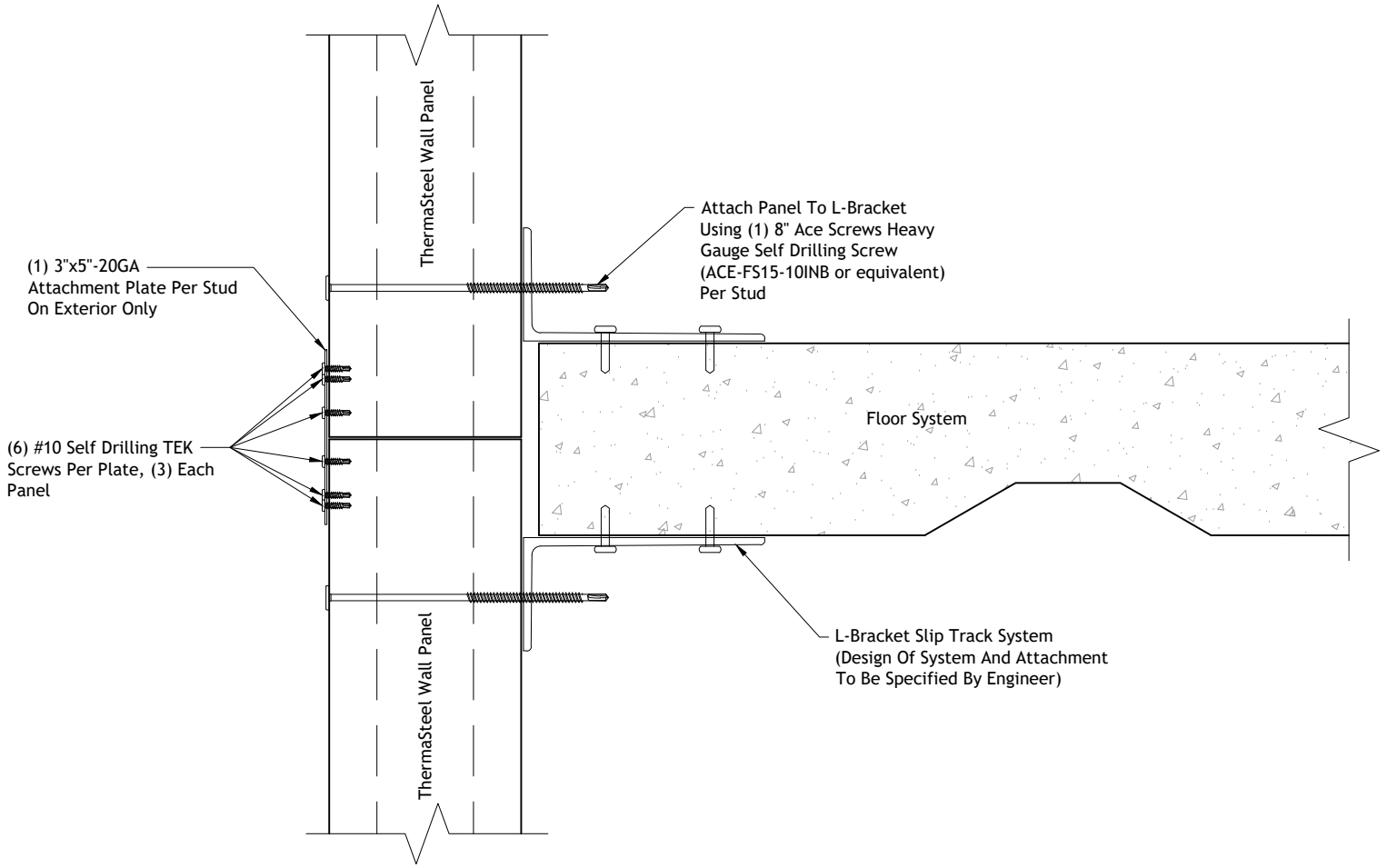

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Multi-Level Panel To Concrete Floor Connection - Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
FC-003

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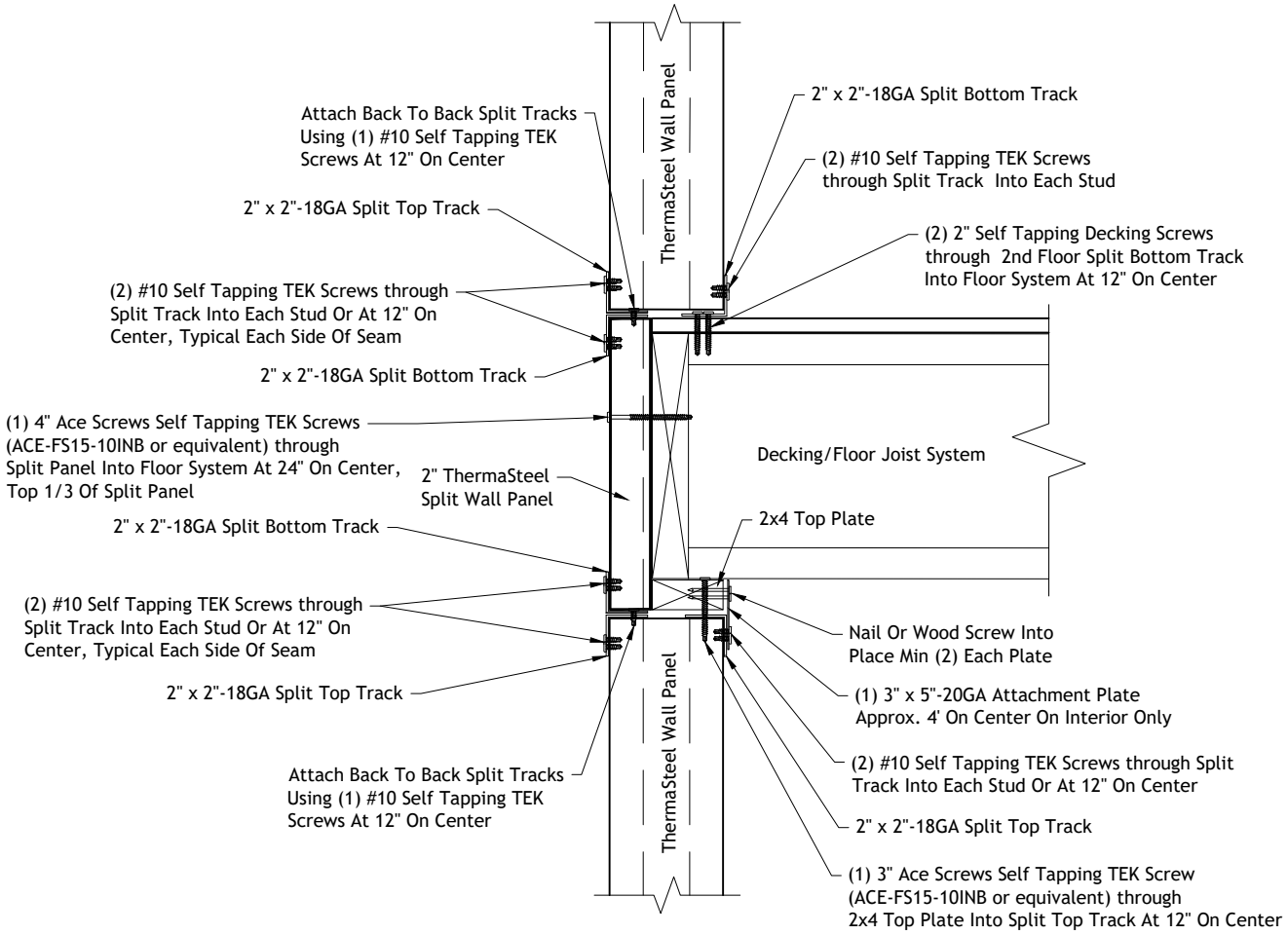

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Platform Framing Floor Joist With Insulated Band And Split Track Connection Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
FC-004

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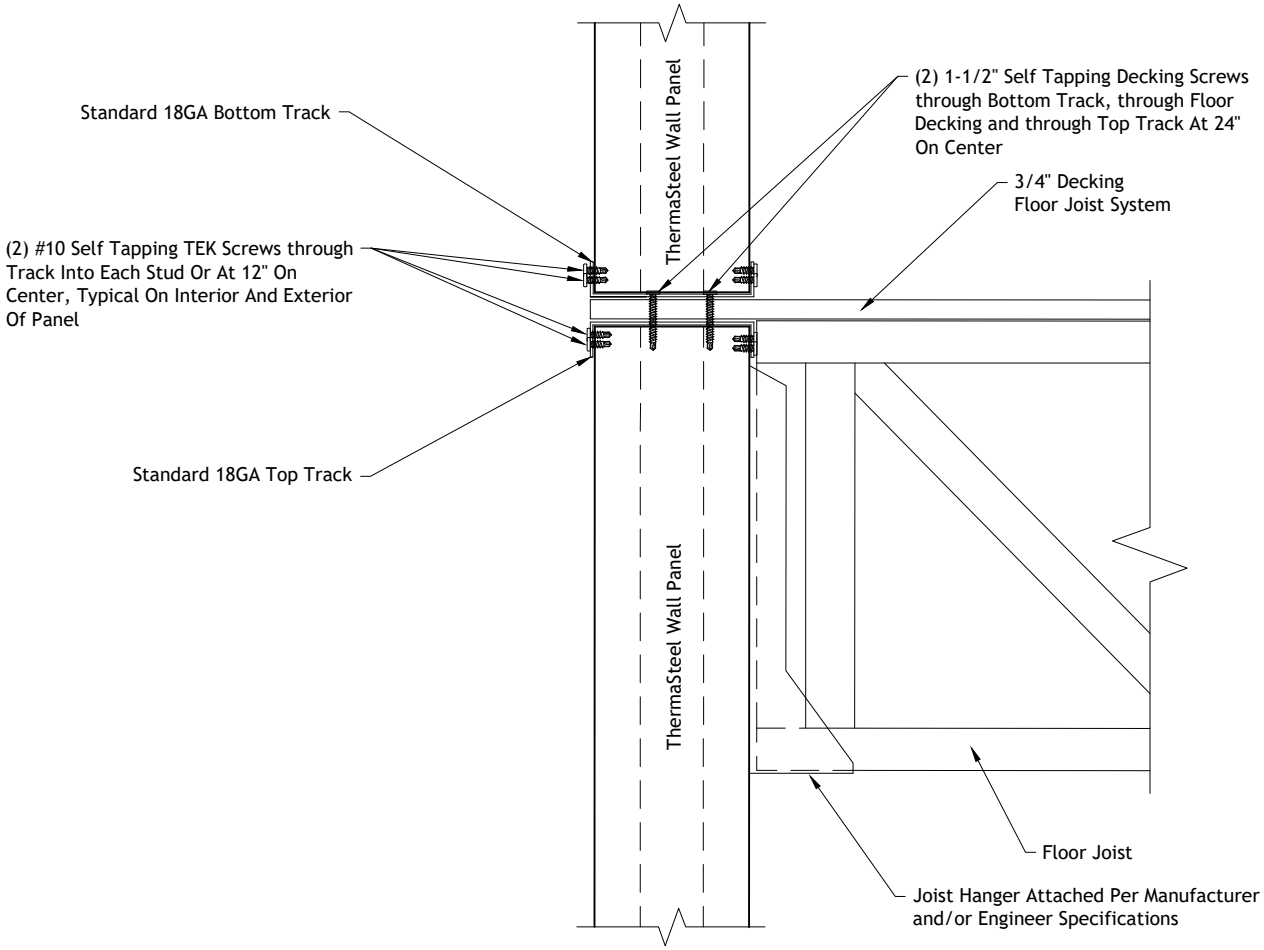

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Platform Framing Wood Floor Truss With Decking Over Wall Panel Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
FC-005

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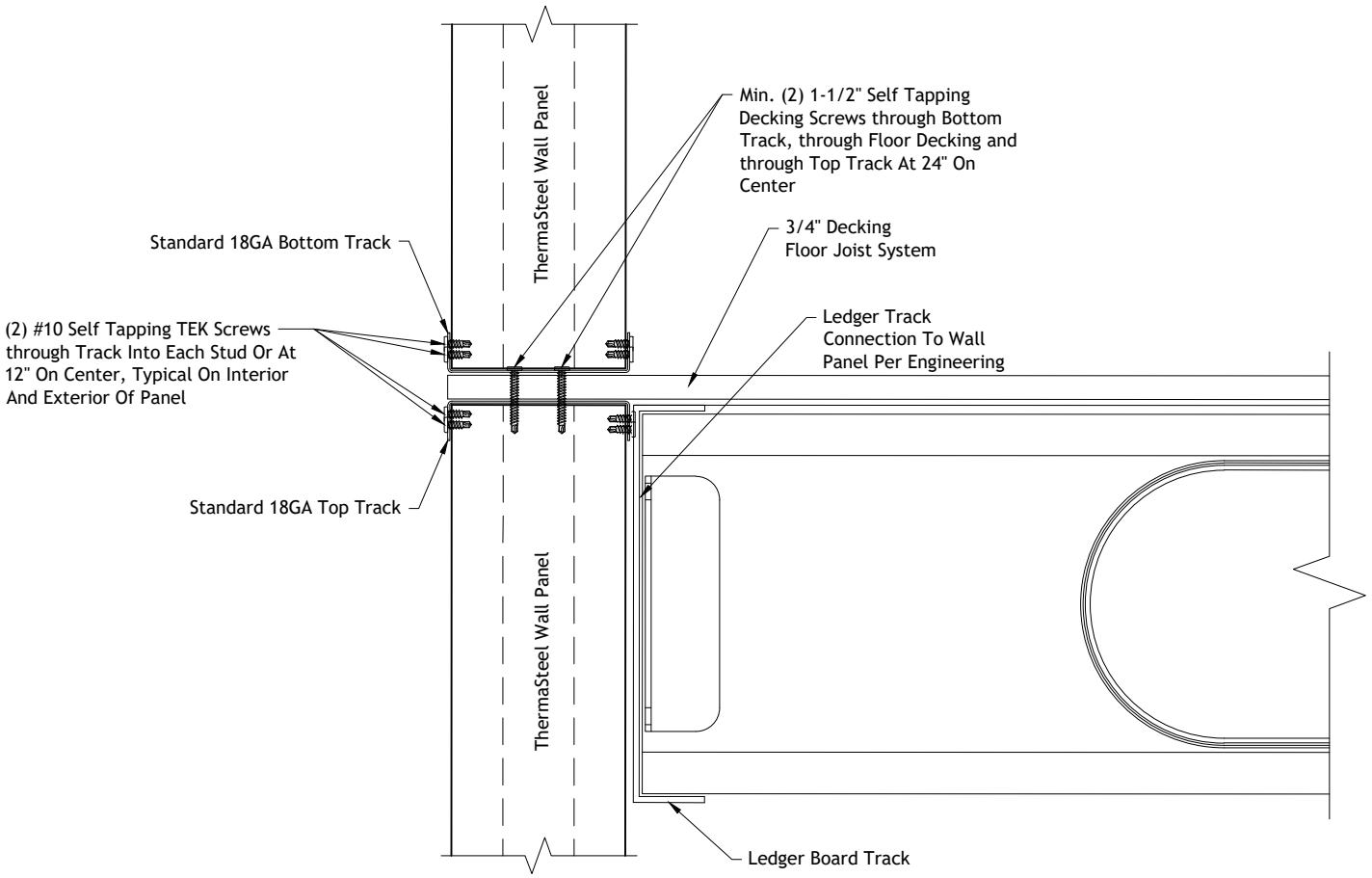

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Platform Framing Steel Floor Joist With Decking Over Wall Panel Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
FC-006

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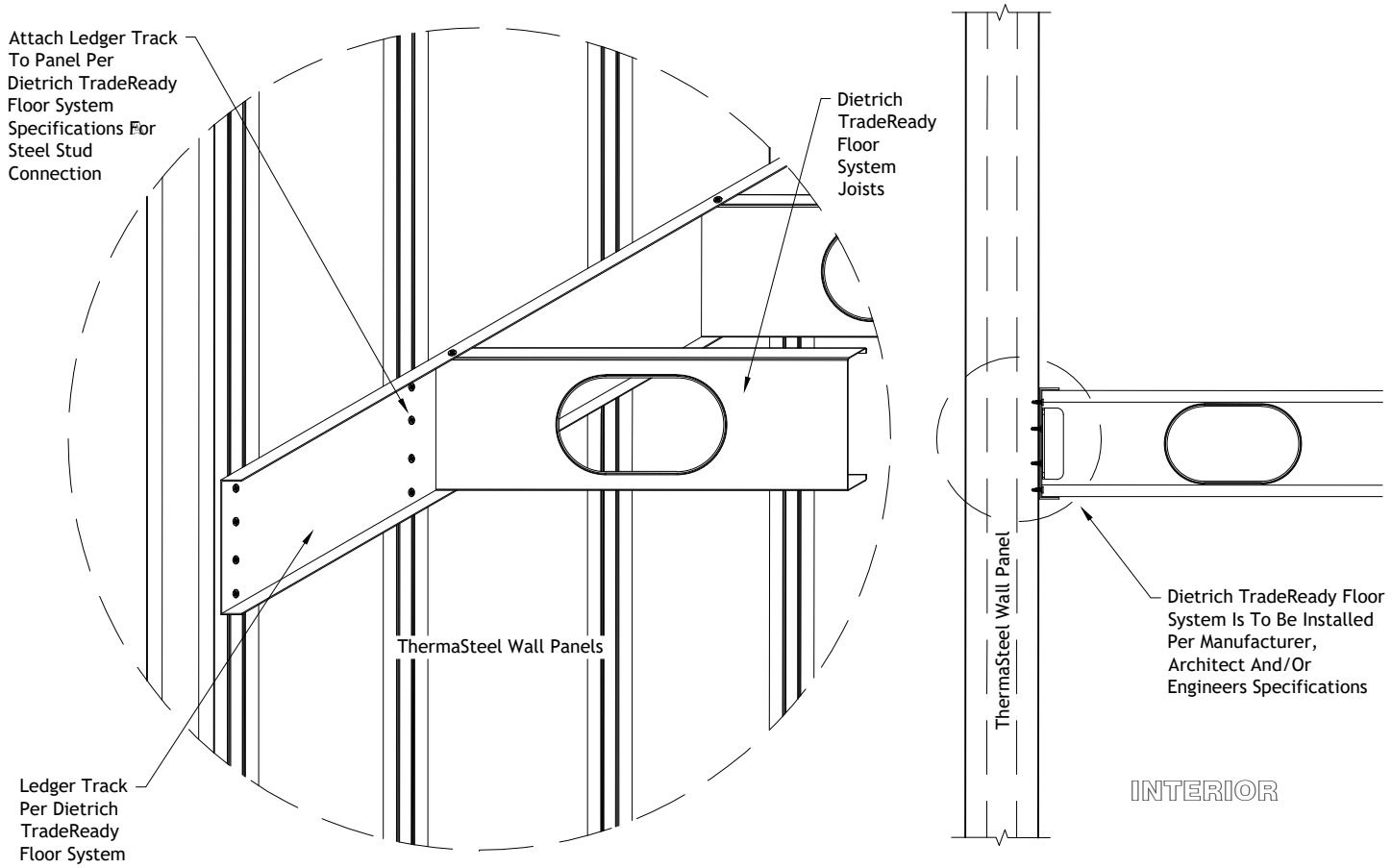

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Balloon Framing Of Dietrich TradeReady Floor System Connection Section View

Not To Scale

Rev: 11/30/2021

Drawing Number

FC-007

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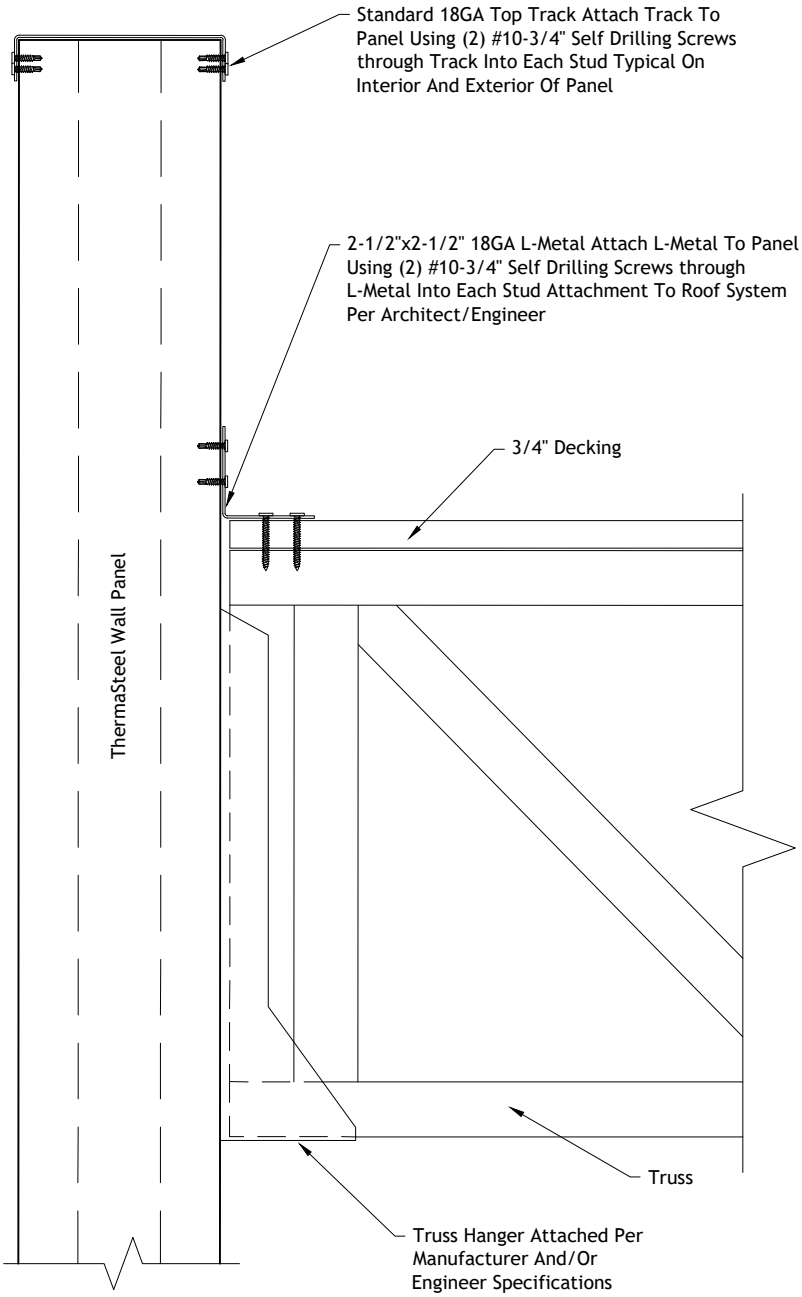

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Wood Truss To Wall Panel Connection With Hanger

Not To Scale
Rev: 11/30/2021
Drawing Number
FC-008

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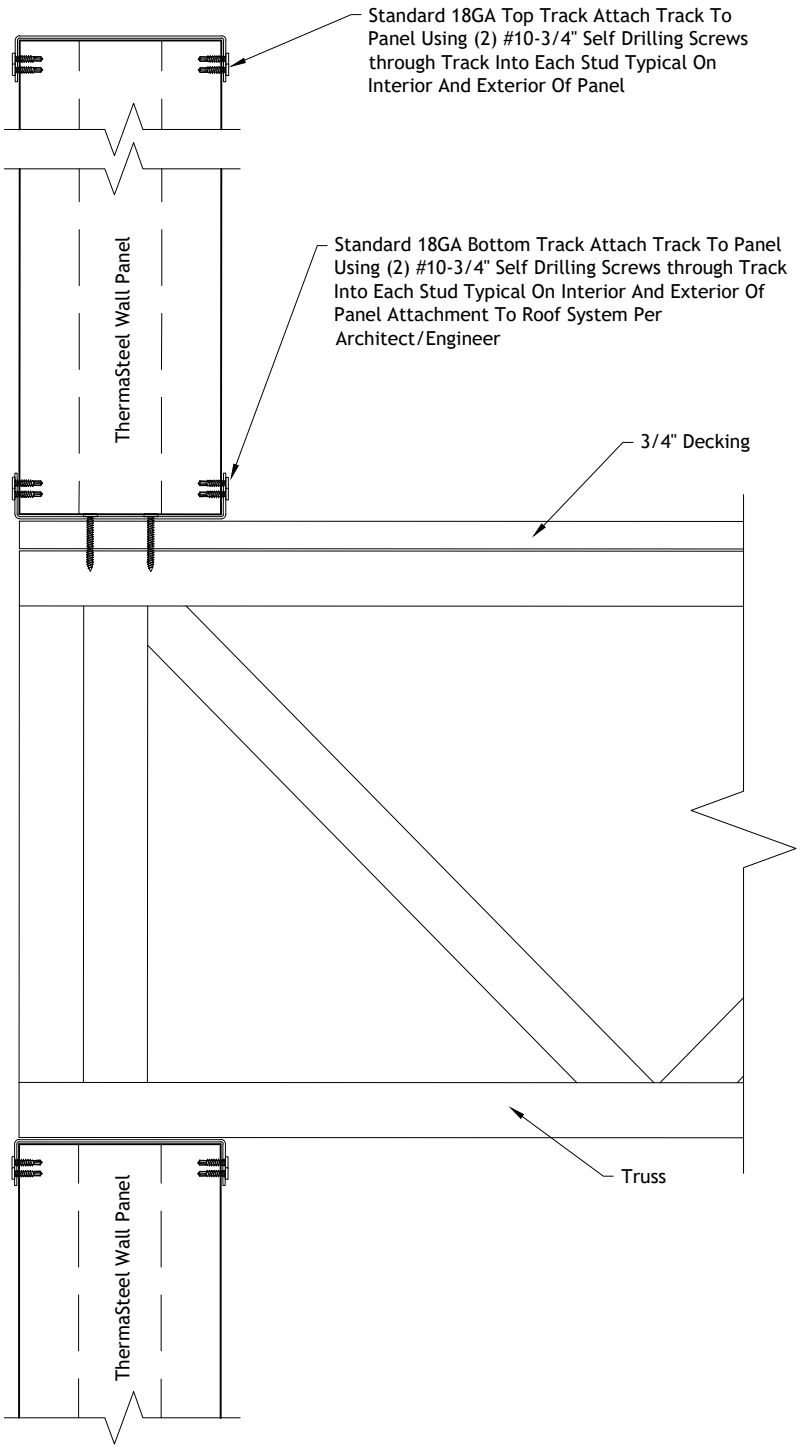

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Wood Truss To Wall Panel Connection Without Hanger

Not To Scale

Rev: 11/30/2021

Drawing Number

FC-009

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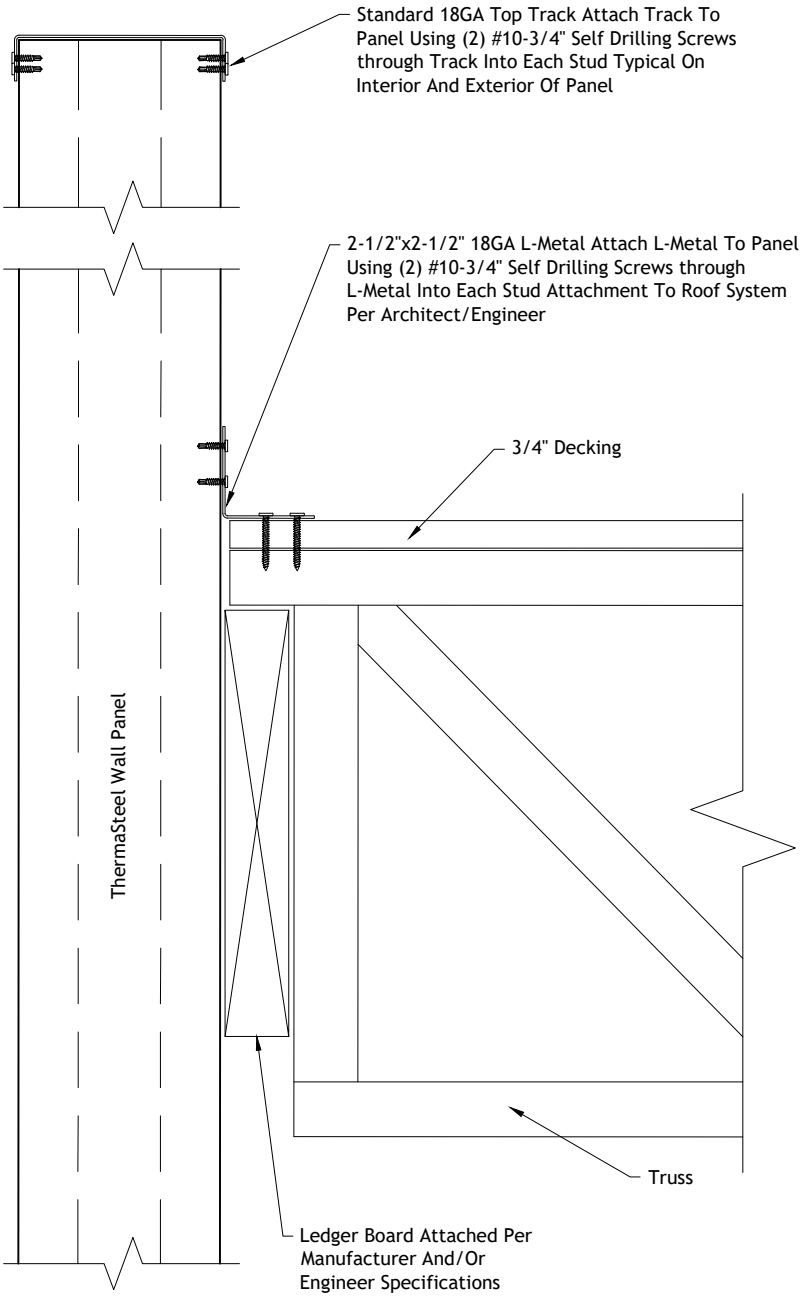

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Wood Truss To Wall Panel Connection With Ledger

Not To Scale

Rev: 11/30/2021

Drawing Number

FC-010

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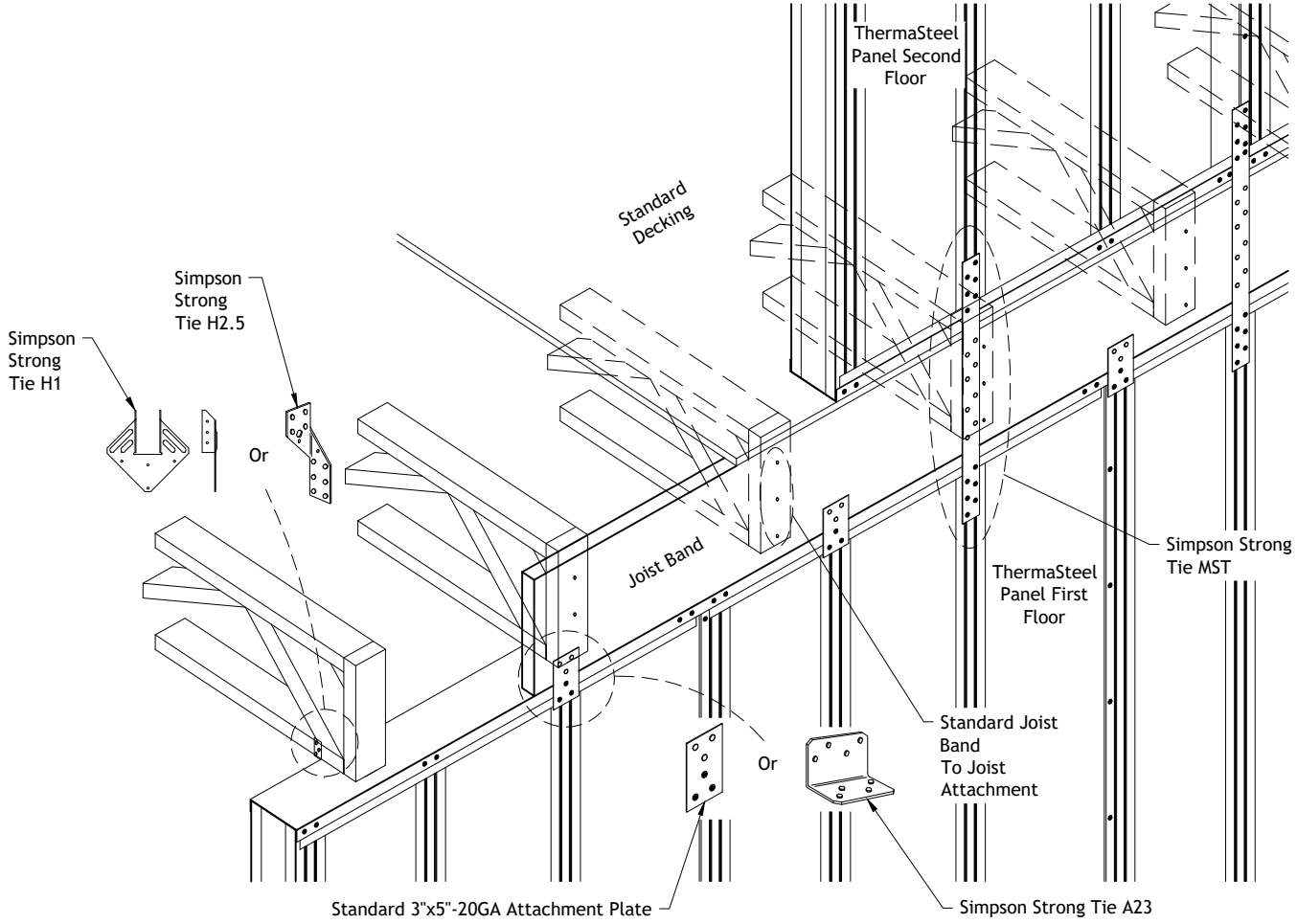

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Attachment Of Panels To Wood Trusses - Platform Floor System

Not To Scale

Rev: 11/30/2021

Drawing Number

FC-011

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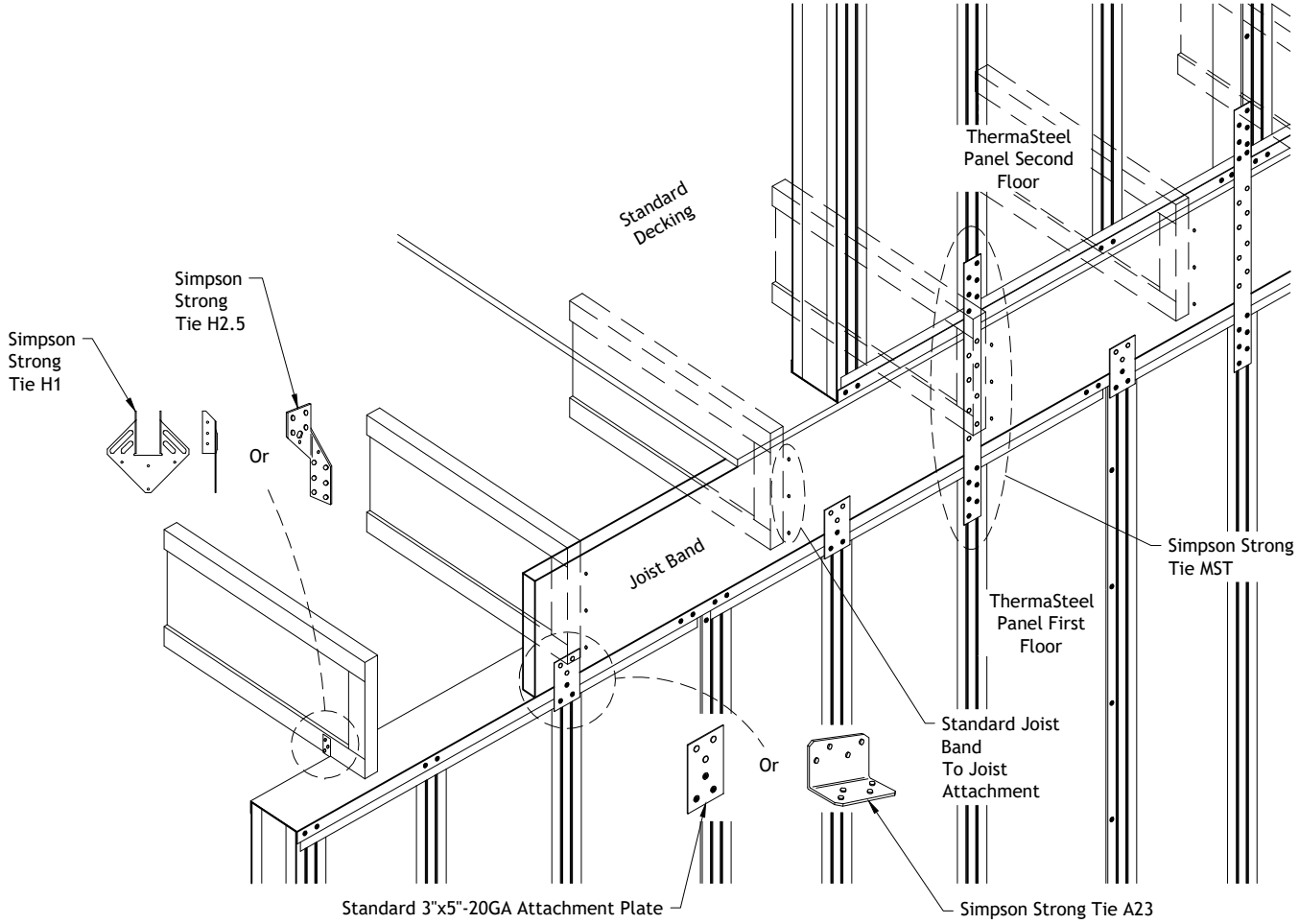

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Attachment Of Panels To Wood I-Beams - Platform Floor System

Not To Scale

Rev: 11/30/2021

Drawing Number

FC-012

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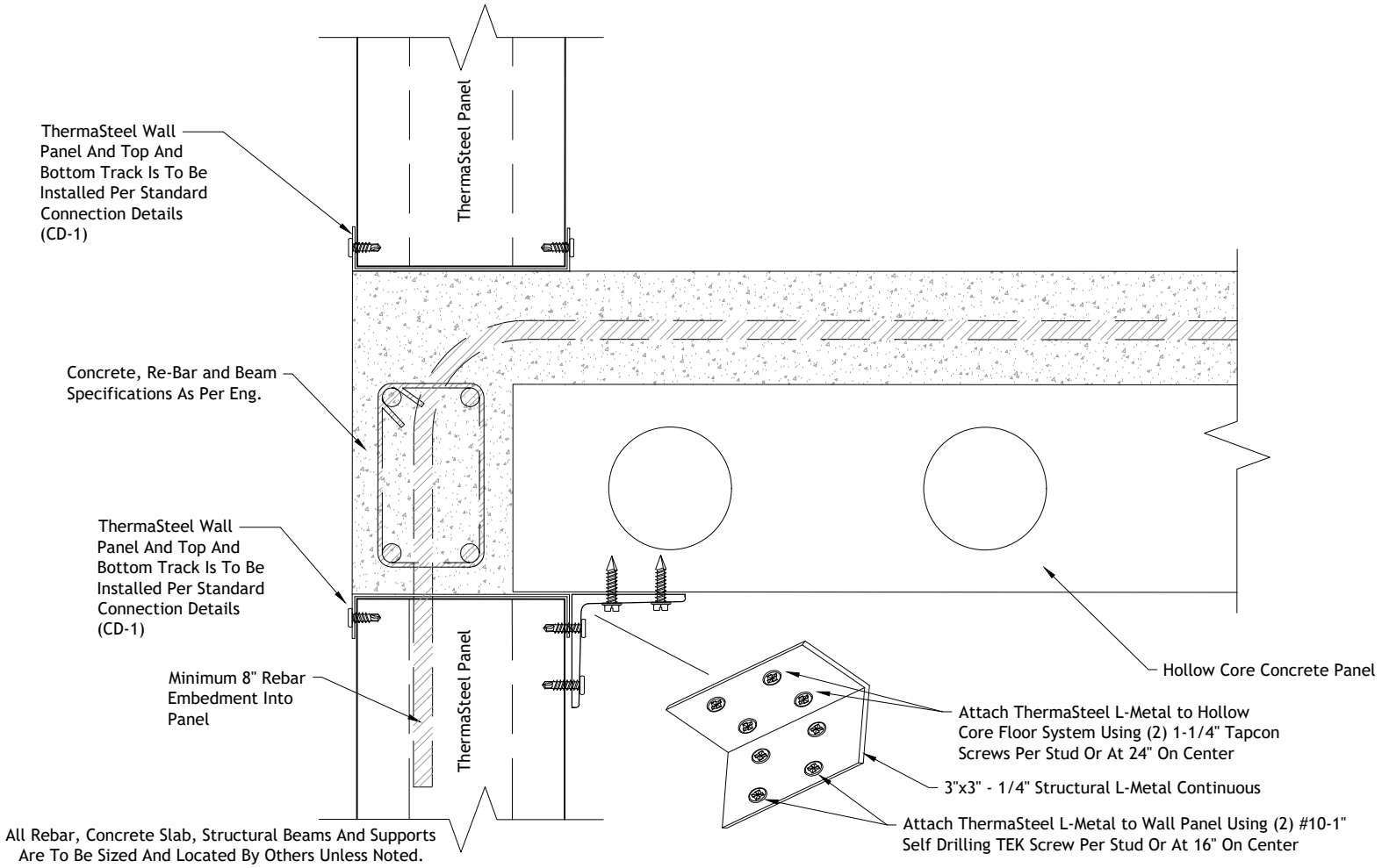

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Concrete Hollow Core Floor System Connection - Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
FC-013

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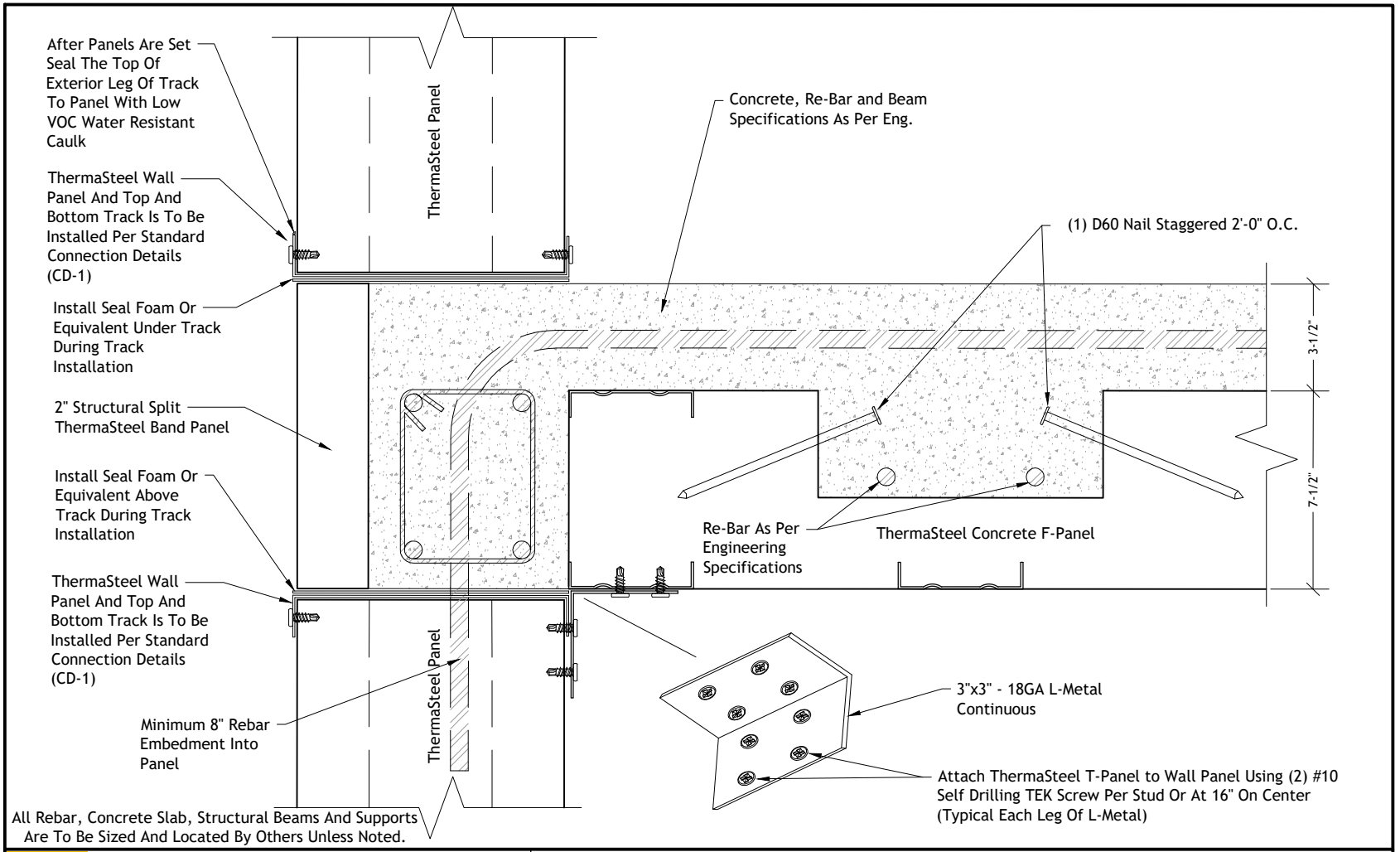

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Concrete F-Panel Floor System Connection With Band Panel - Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
FC-014

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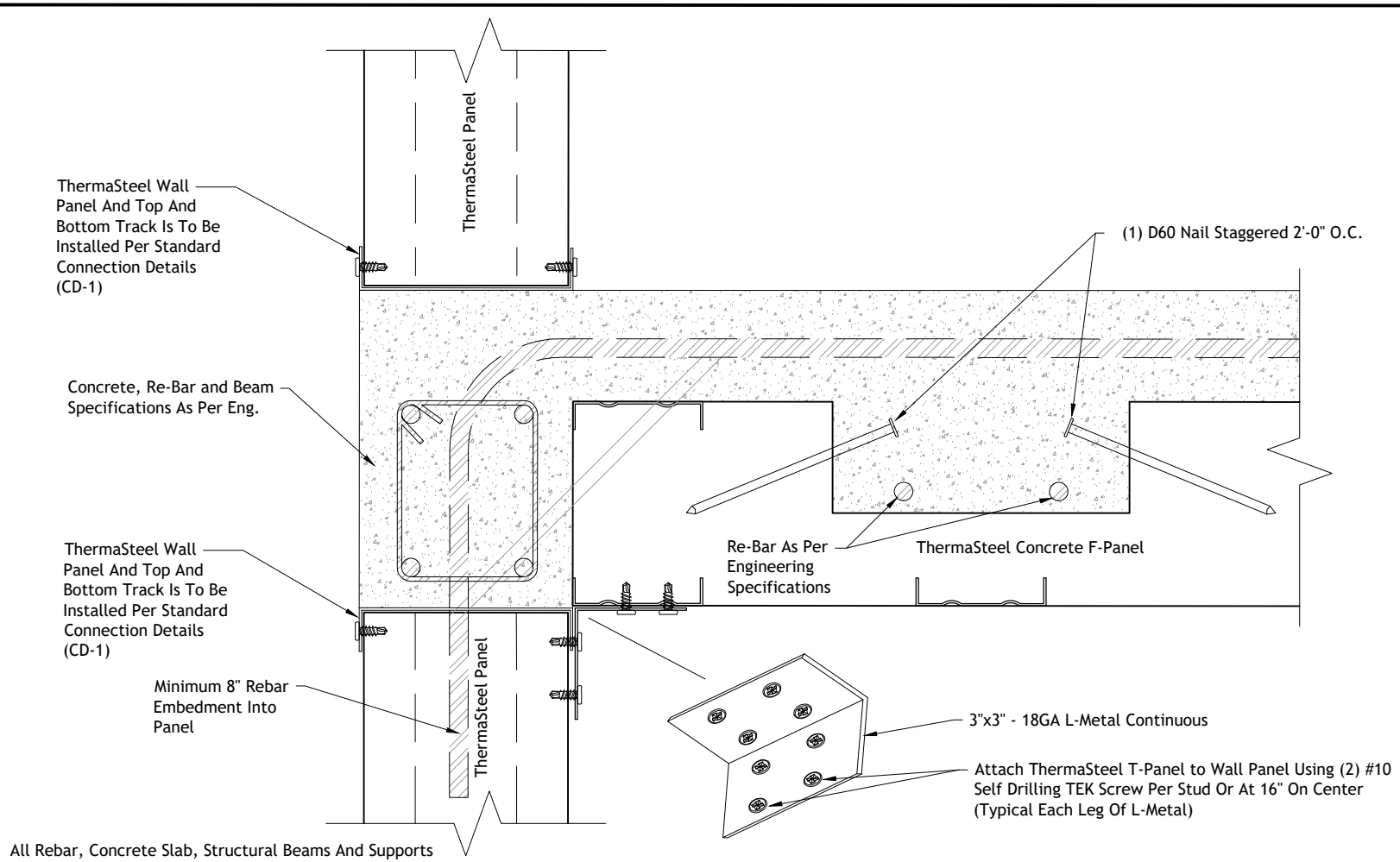

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Concrete F-Panel To Wall Connection - Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
FC-015

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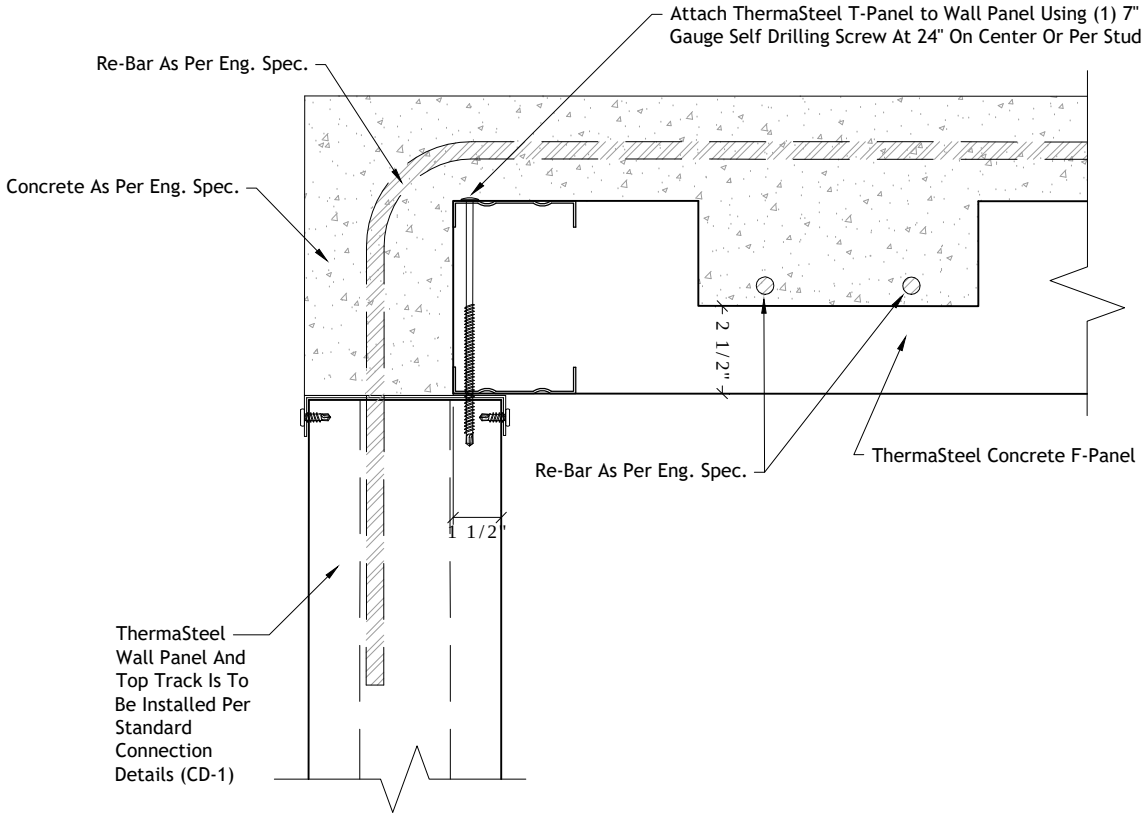

All Rebar, Concrete Slab, Structural Beams And Supports
Are To Be Sized And Located By Others Unless Noted.

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Alternative A, Concrete F-Panel System To Wall Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
FC-016

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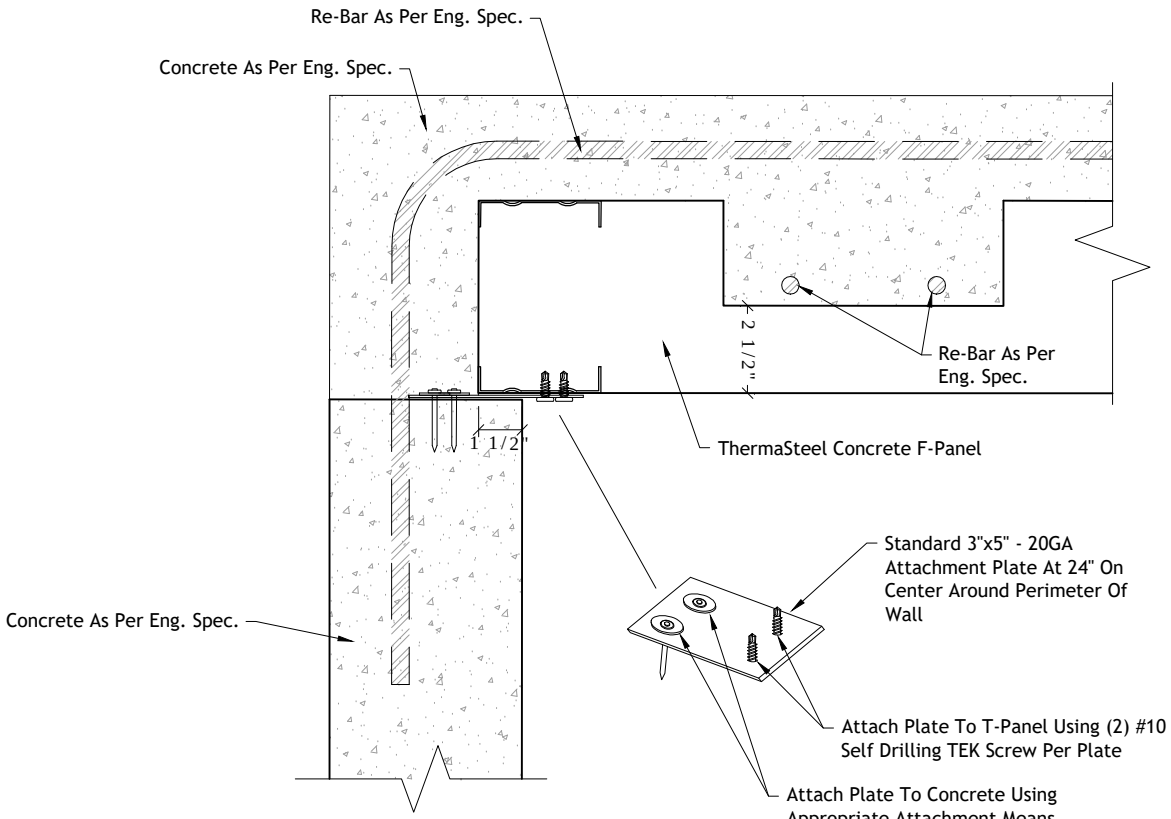

All Rebar, Concrete Slab, Structural Beams And Supports Are To Be Sized And Located By Others Unless Noted.

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Alternative B, Concrete F-Panel System To Wall, Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
FC-017

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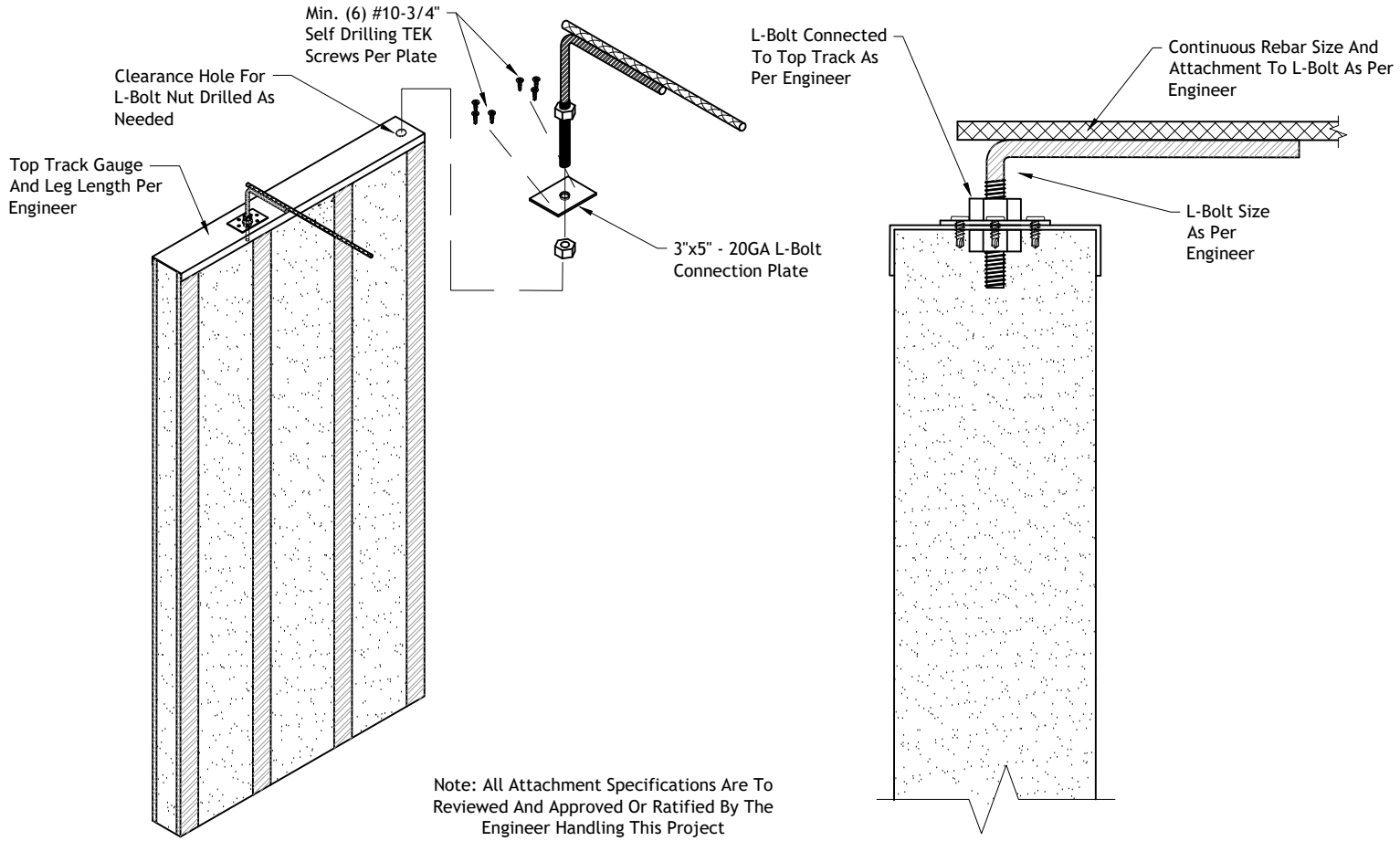

Note: All Attachment Specifications Are To Reviewed And Approved Or Ratified By The Engineer Handling This Project

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Connection

Typical Concrete (F-Panel) To Wall Connection Tie Via L-Bolt

Not To Scale
Rev: 11/30/2021
Drawing Number
FC-018

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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Floor Design

FD-001 F-Panel Standard Detail

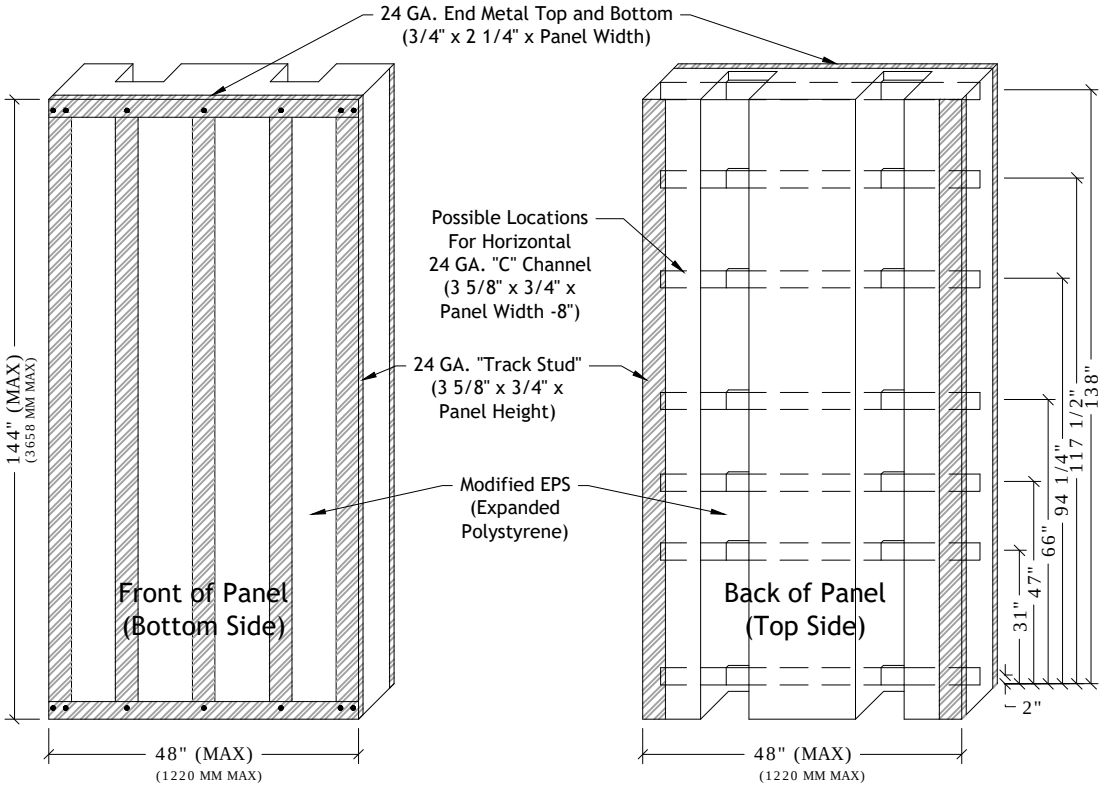
FD-002 F-Panel Structural Detail

FD-003 F-Panel Structural Analysis - Figures 1 & 2

FD-004 F-Panel Structural Analysis - Figures 3 & 4

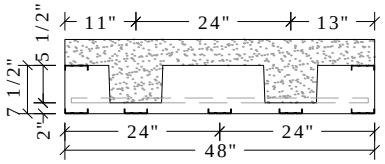
FD-005 F-Panel Structural Analysis - Roof & Floor Panel Tables

Back To Connection Detail Chapters



ThermaSteel F-Panels are installed with the "front of panel" facing downward toward the ground and the leading edge to the right.

PANEL ELEVATION



Trough Inserts Size
8" x 5-1/2"

7 1/2" F-Panels

SECTION VIEW

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Design

F-Panel
Standard Detail

Not To Scale
Rev: 4/20/2023
Drawing Number
FD-001

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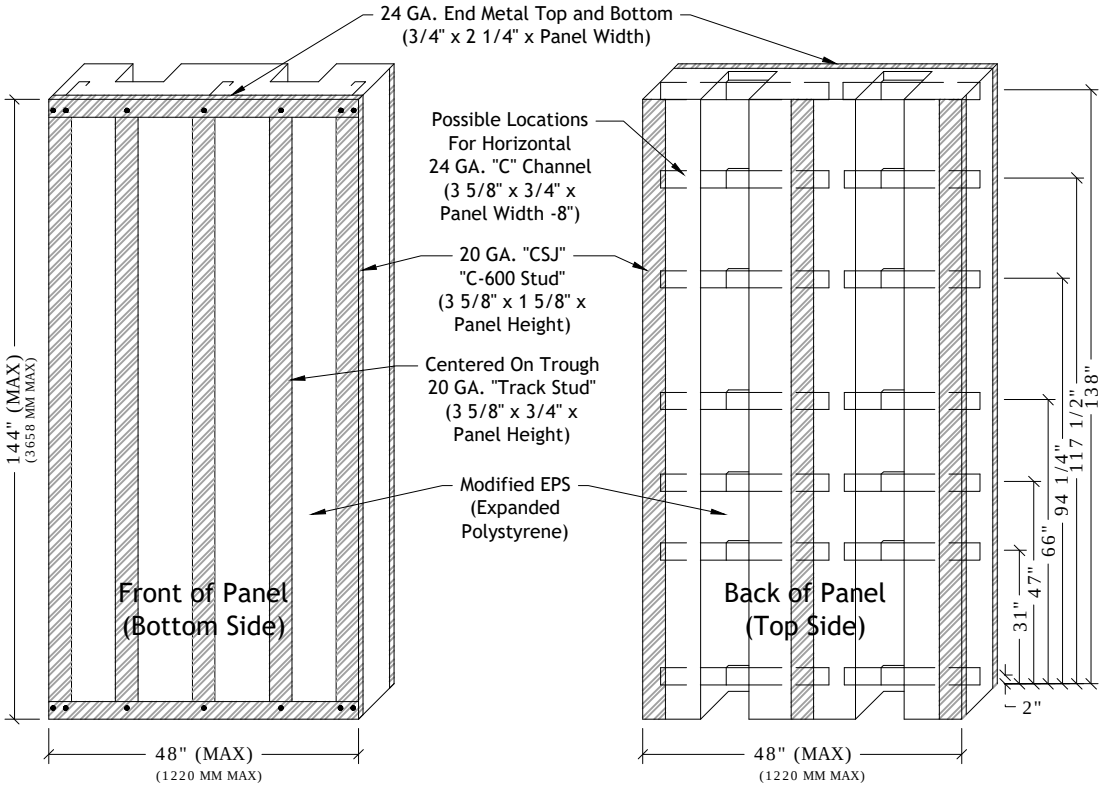
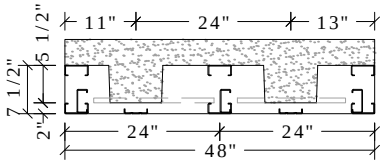


ThermaSteel F-Panels are installed with the "front of panel" facing downward toward the ground and the leading edge to the right.

PANEL ELEVATION



Trough Inserts Size
8" x 5-1/2"

7 1/2" F-Panels

SECTION VIEW

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Design

F-Panel
Structural Detail

Not To Scale
Rev: 4/20/2023
Drawing Number
FD-002

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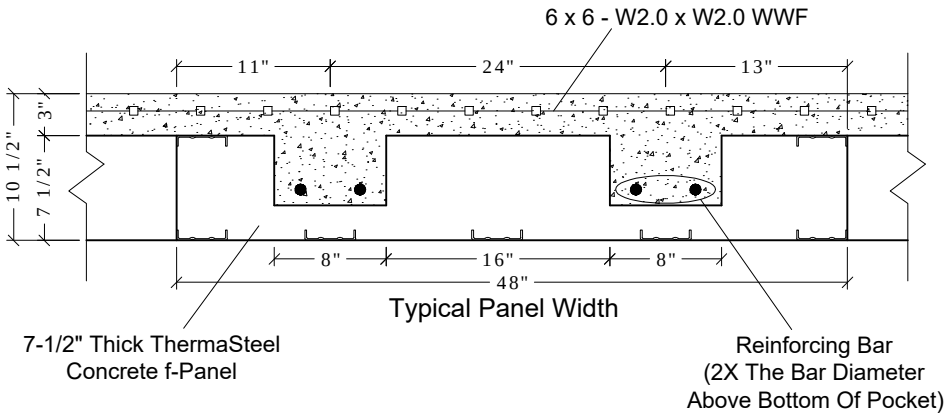

FIG. 1 - FPB - 1 & RPB - 1

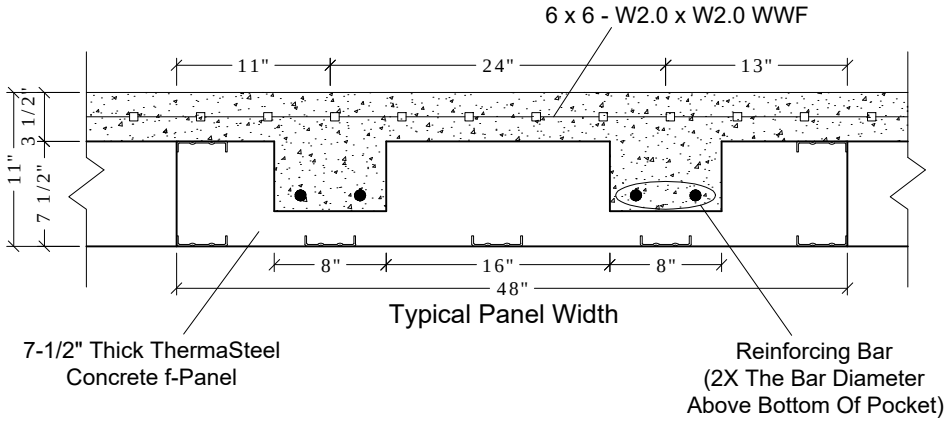

FIG. 2 - FPB - 2

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Design

F-Panel Structural Analysis - Figures 1 & 2

Not To Scale
Rev: 4/20/2023
Drawing Number
FD-003

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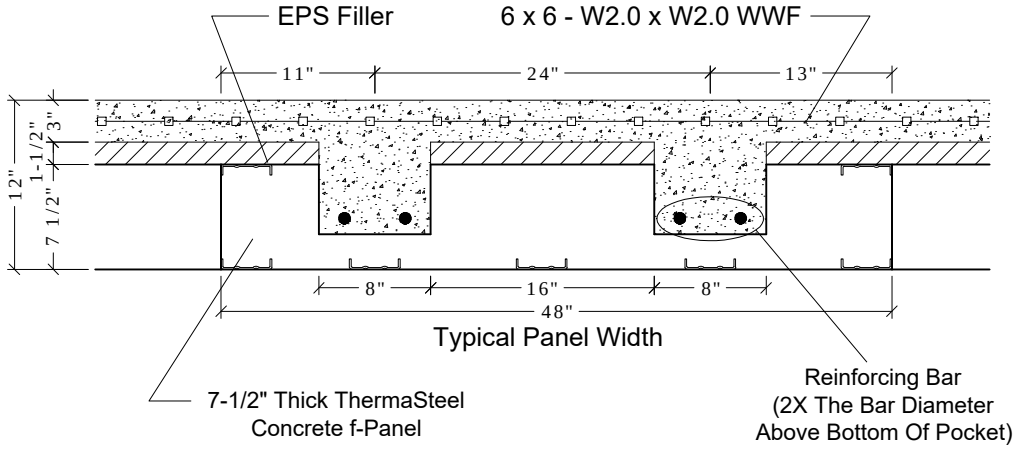

FIG. 3 - RPB - 2 & FPB - 3

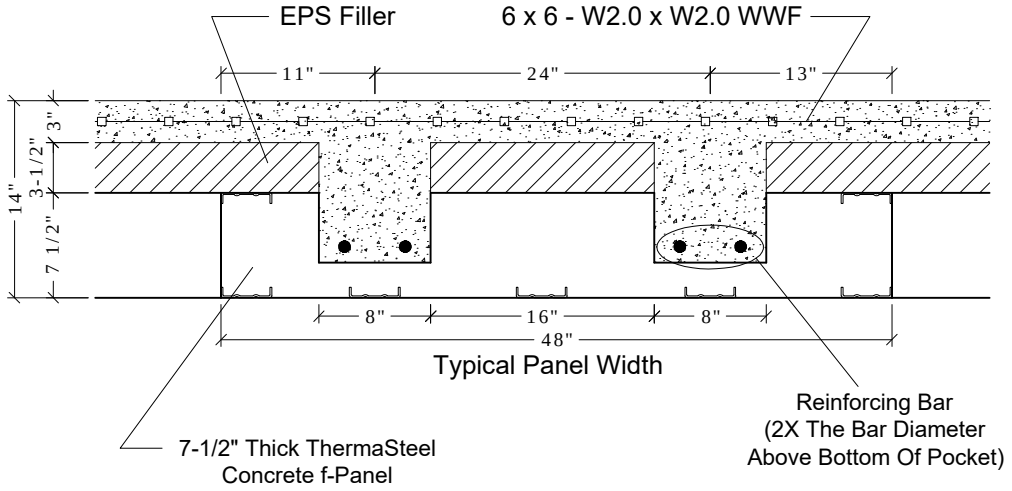

FIG. 4 - RPB - 3 & FPB - 4

THERMASTEEL™
ADVANCED PANEL SYSTEM

Floor Design

F-Panel Structural Analysis - Figures 3 & 4

Not To Scale
Rev: 4/20/2023
Drawing Number
FD-004

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THERMASTEEL F-PANEL
STRUCTURAL ANALYSIS FOR ROOF PANEL

TYPE OF ROOF PANELING	SPAN (FT)	RESISTING MOMENT (FT-LBS)	REINFORCING BARS (BOTTOM)
RPB-1 (SEE FIG. 1)	16	7040	2 - #5
	18	9850	2 - #5
	20	12150	2 - #6
RPB-2 (SEE FIG. 2)	22	16100	2 - #6
	24	19160	2 - #6
RPB-3 (SEE FIG. 4)	26	24420	2 - #6
	28	28330	2 - #7
	30	32520	2 - #7

THERMASTEEL F-PANEL
STRUCTURAL ANALYSIS FOR FLOOR PANEL

TYPE OF FLOOR PANELING	SPAN (FT)	RESISTING MOMENT (FT-LBS)	REINFORCING BARS (BOTTOM)
FPB-1 (SEE FIG. 1)	14	7840	2 - #5
	16	10240	2 - #5
	18	12960	2 - #6
FPB-2 (SEE FIG. 2)	20	16250	2 - #6
FPB-3 (SEE FIG. 3)	22	21180	2 - #6
FPB-4 (SEE FIG. 4)	24	26650	2 - #6

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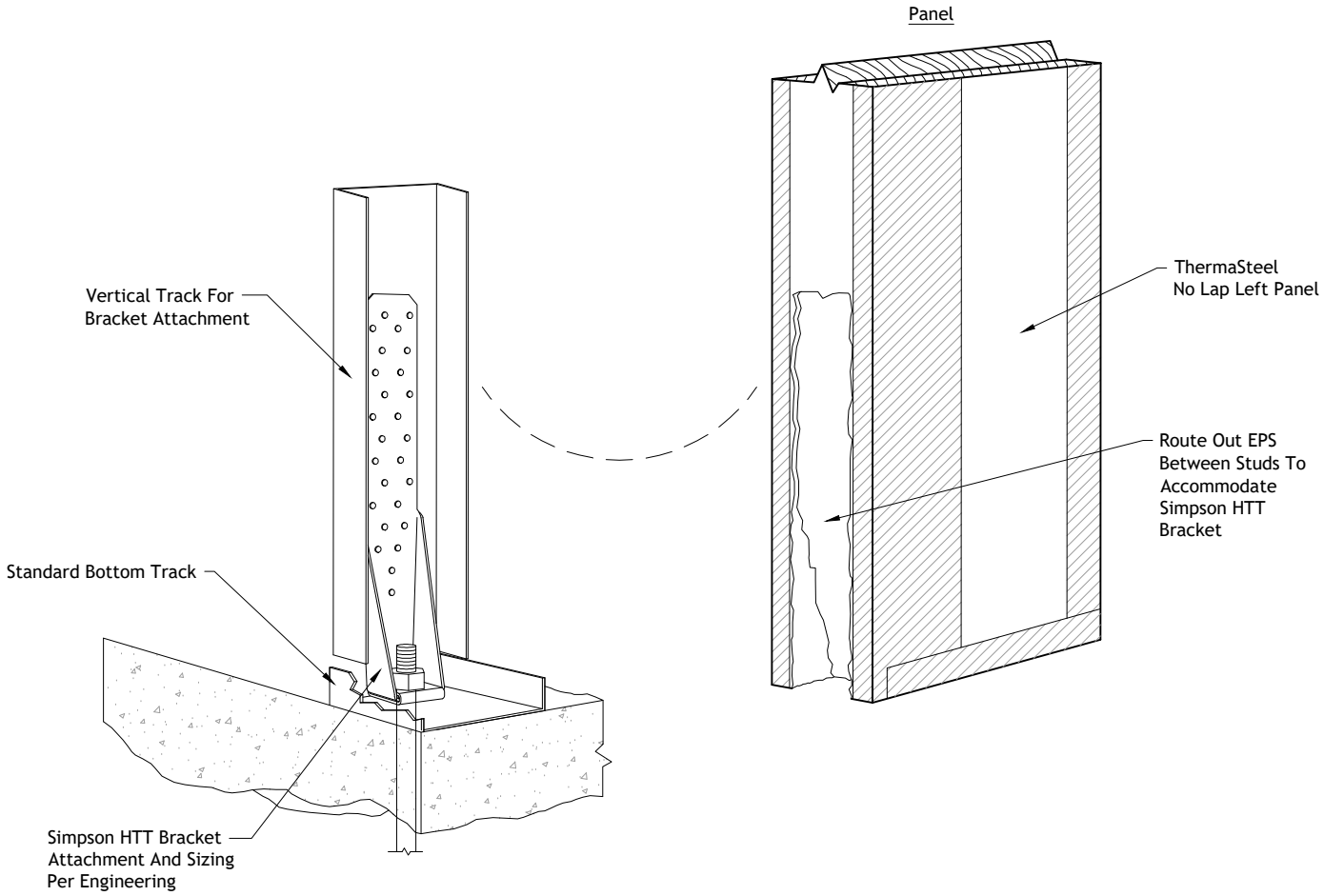
Panel Hold Downs And Track Connections

Back To Connection Detail Chapters



THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Hold Down To Foundation Connection

Not To Scale

Rev: 11/30/2021

Drawing Number

HD-001

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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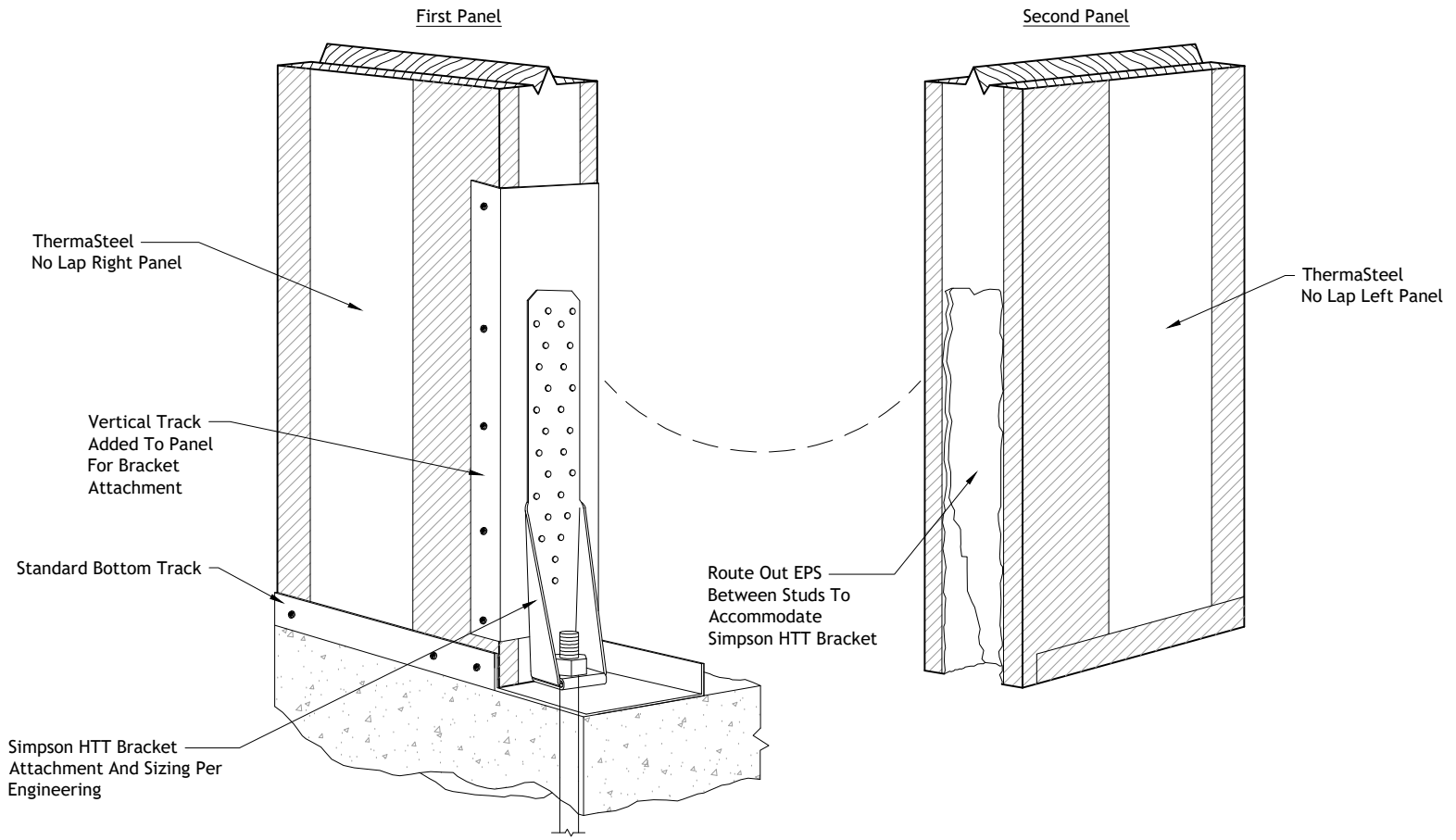

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Hold Down To Foundation Connection Reversed Track

Not To Scale

Rev: 11/30/2021

Drawing Number

HD-002

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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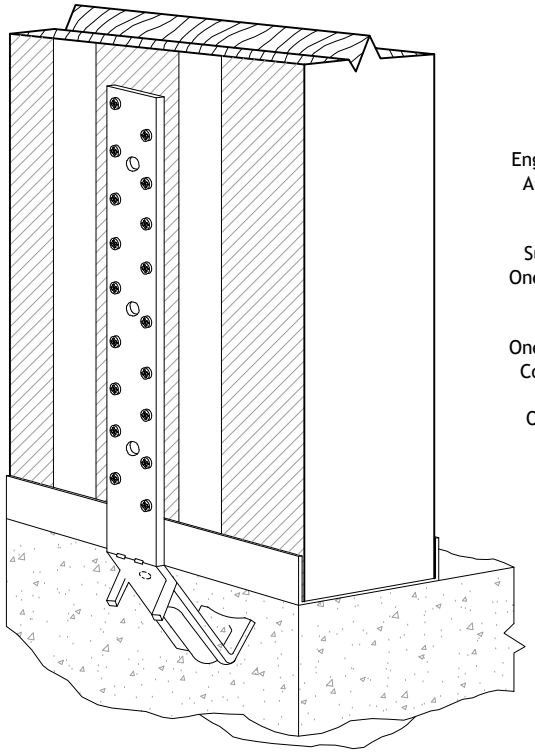
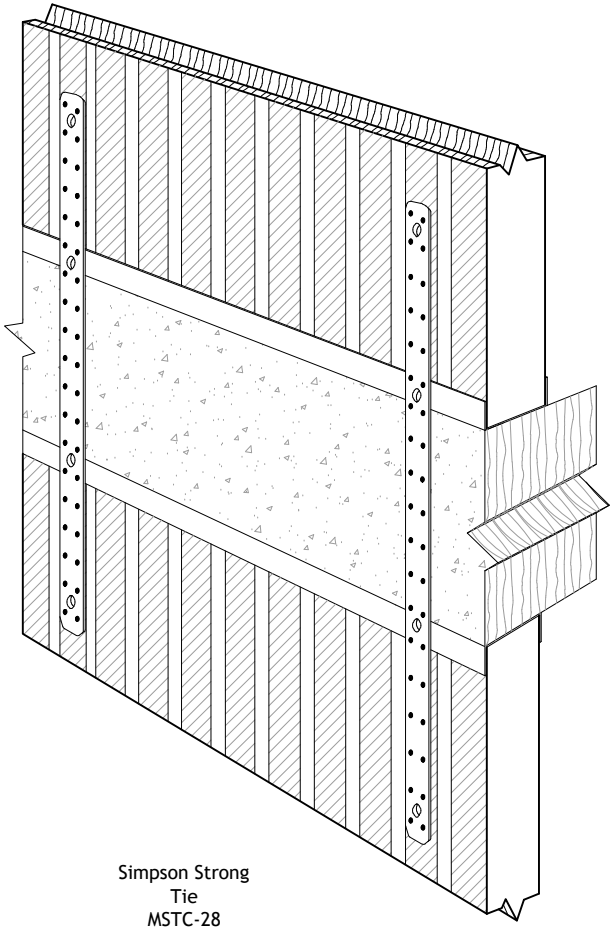


Simpson Strong
Tie
PAHD-42

Attachment And
Placement Is Per
Engineer And/Or Erector
And/Or Manufacturers
Specifications

Suggested Placement:
One At Each Side Of Each
Window Or Door
And
One At Each Side Of Each
Corner Of The Building
And
One At 48" On Center



Simpson Strong
Tie
MSTC-28

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Hold Down To Foundation Connection Via Strap

Not To Scale

Rev: 11/30/2021

Drawing Number
HD-003

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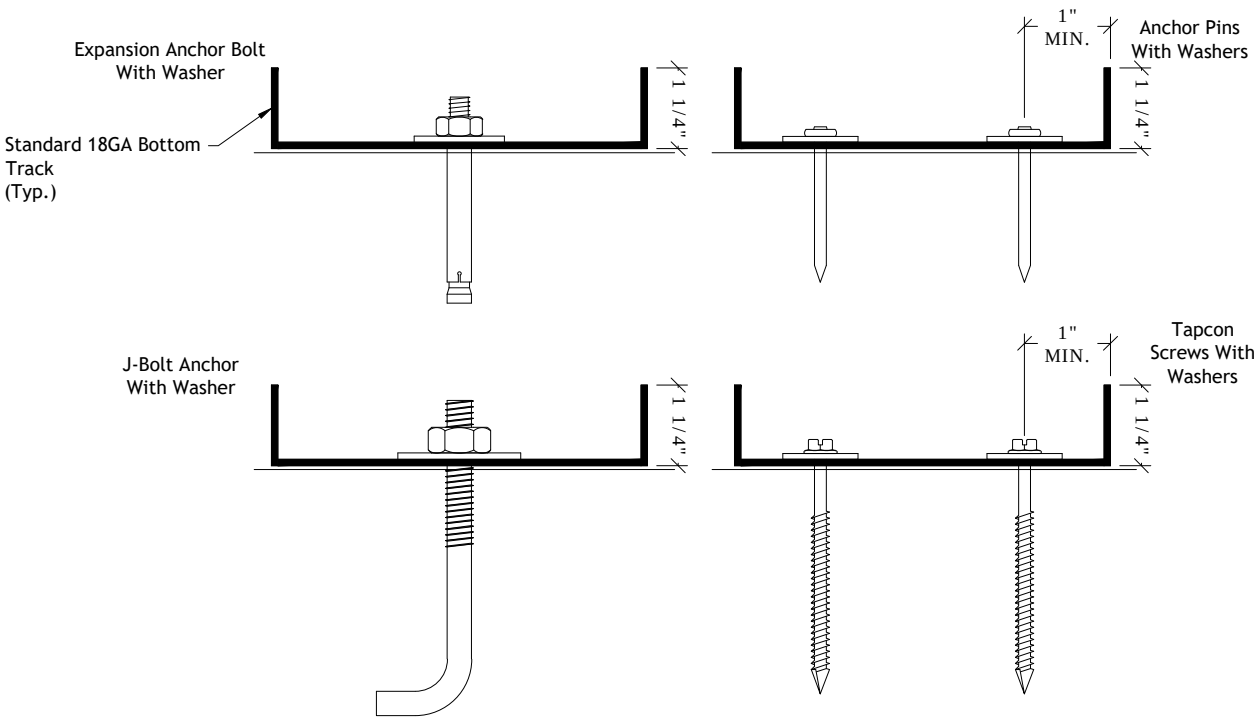

Track Sizing Specified
Per Project Correlating To Panel Thickness

(Concrete Connection Is To Conform With Engineers
Specifications And/Or State And Local Code)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Bottom Track Connection To Concrete Slab

Not To Scale

Rev: 11/30/2021

Drawing Number

HD-004

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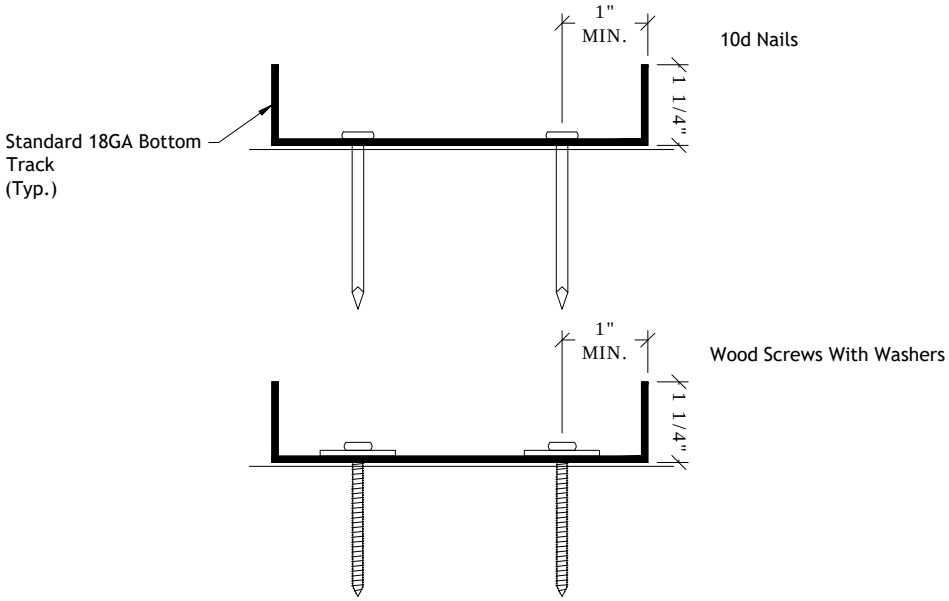

Track Sizing Specified Per Project Correlating To Panel Thickness

(Wooden Floor System Connection Is To Conform With
Engineers Specifications And/or State And Local Code)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Bottom Track Connection To Wood Floor System

Not To Scale

Rev: 11/30/2021

Drawing Number

HD-005

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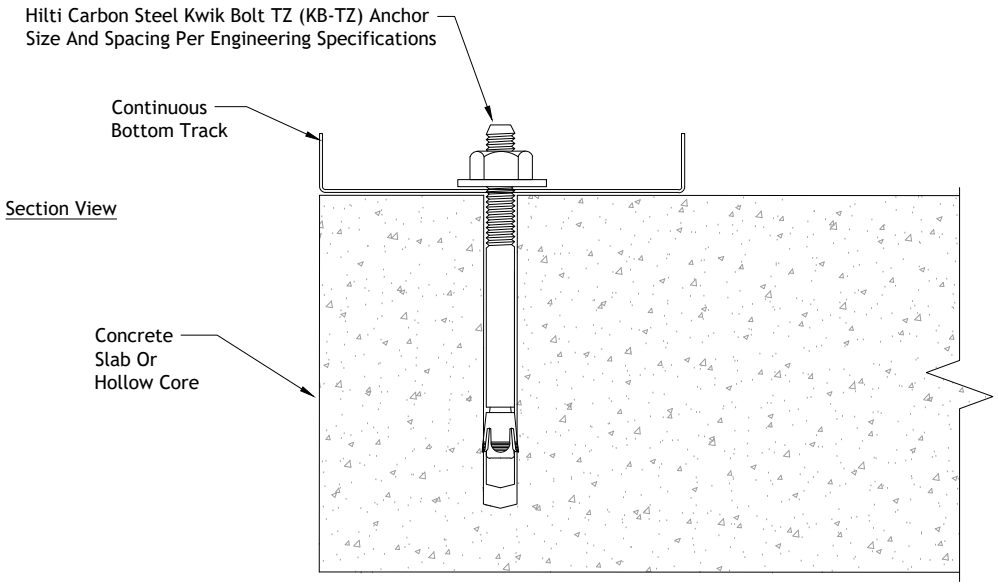
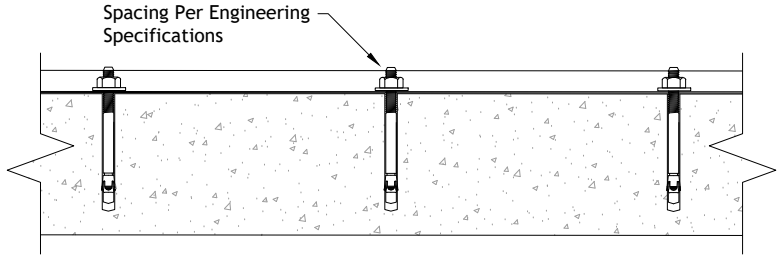




THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Bottom Track Connection For Shear And Load Bearing Walls

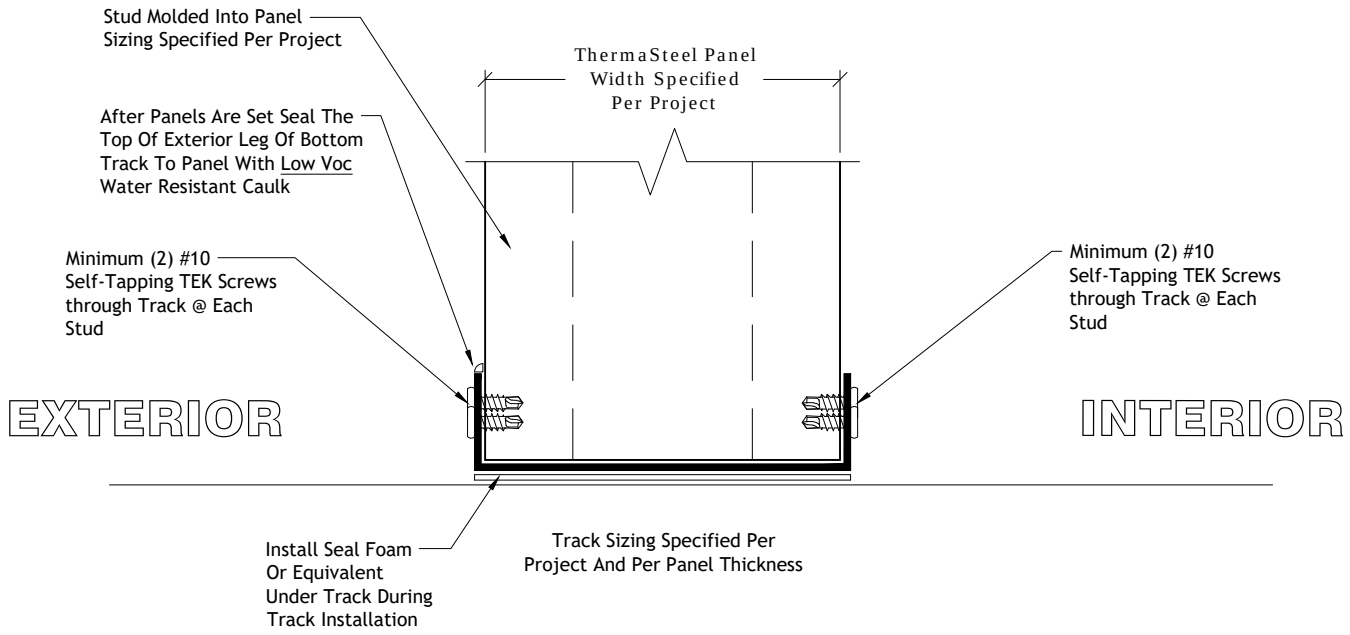
Not To Scale

Rev: 11/30/2021

Drawing Number

HD-006

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
609 WEST ROCK ROAD RADFORD, VA 24141 PHONE (540) 633-5000 FAX (540) 633-5001
www.thermasteelinc.com



THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Bottom Track Connection For Shear And Load Bearing Walls

Not To Scale

Rev: 11/30/2021

Drawing Number

HD-007

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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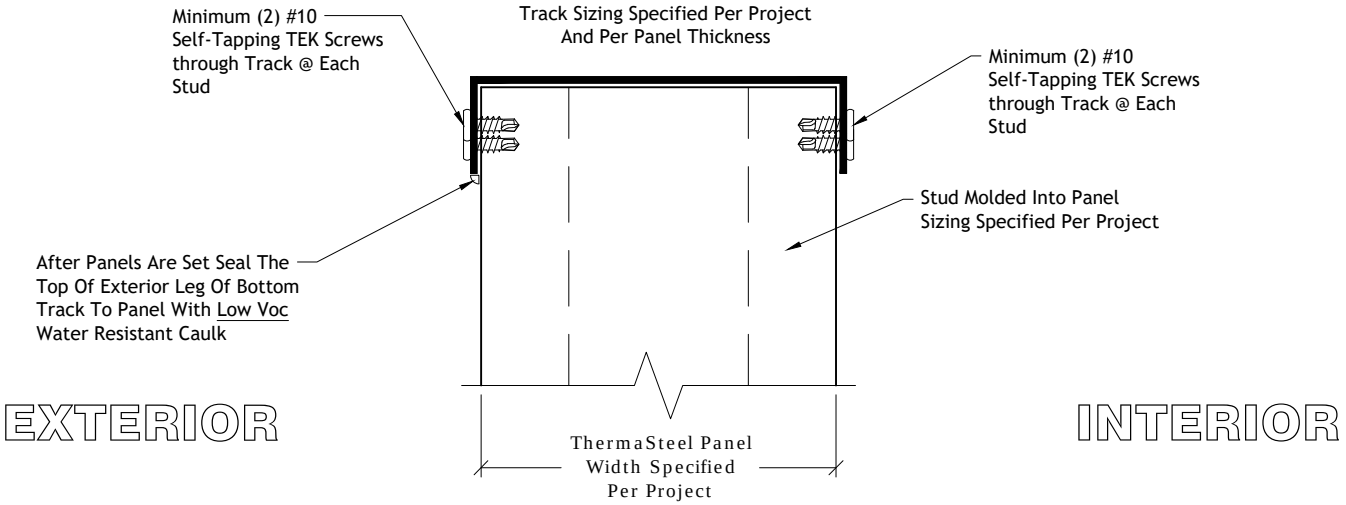

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Top Track Connection For Shear And Load Bearing Walls

Not To Scale

Rev: 11/30/2021

Drawing Number

HD-008

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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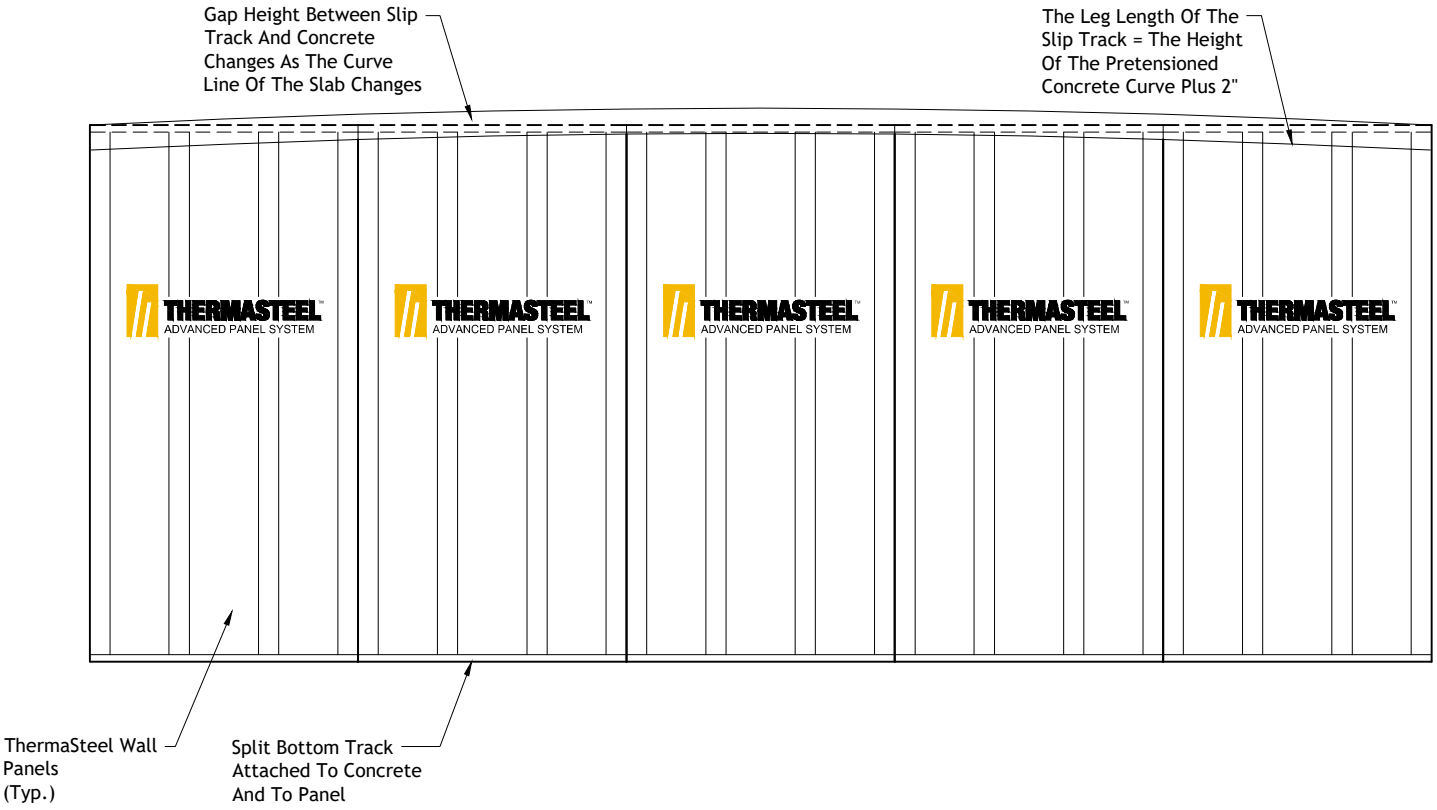

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Top Slip Track Connection To Pre-Stressed Concrete Planks With Camber

Not To Scale

Rev: 11/30/2021

Drawing Number
HD-009

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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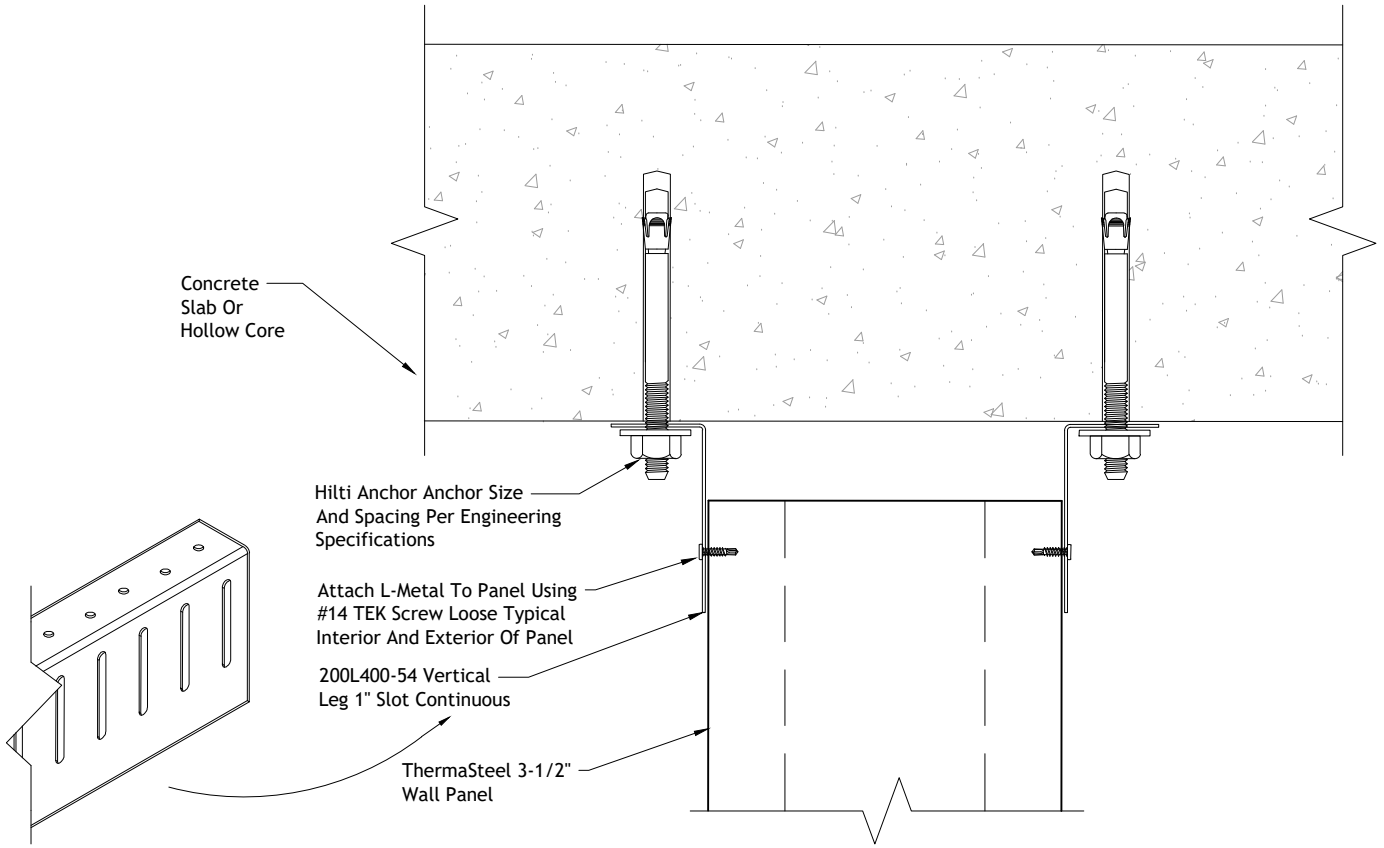

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Top Slip Track Connection To Pre-Stressed Concrete Planks With Camber

Not To Scale

Rev: 11/30/2021

Drawing Number

HD-010

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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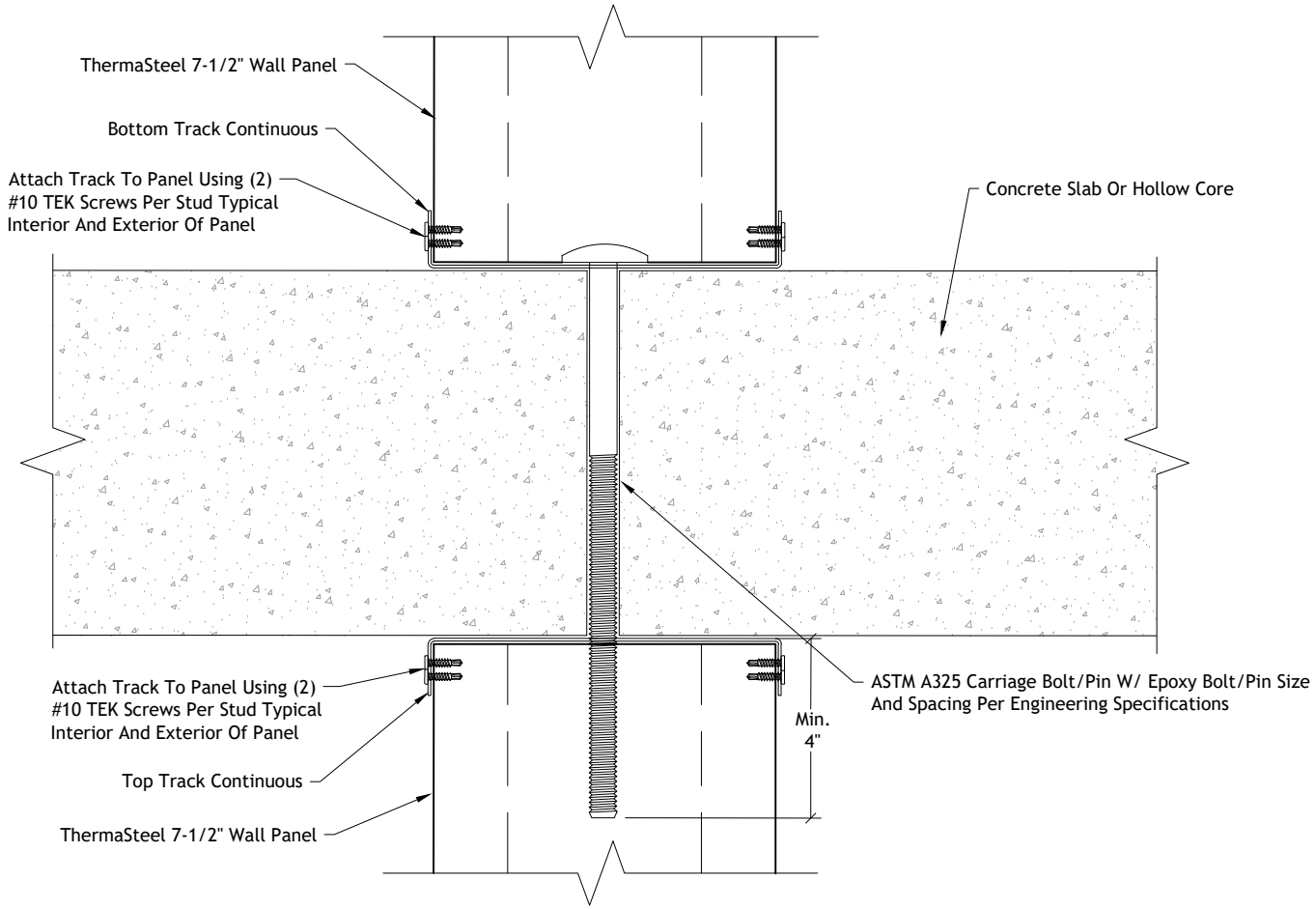

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Interior Track Connection To Overlapping Partitions

Not To Scale

Rev: 11/30/2021

Drawing Number

HD-011

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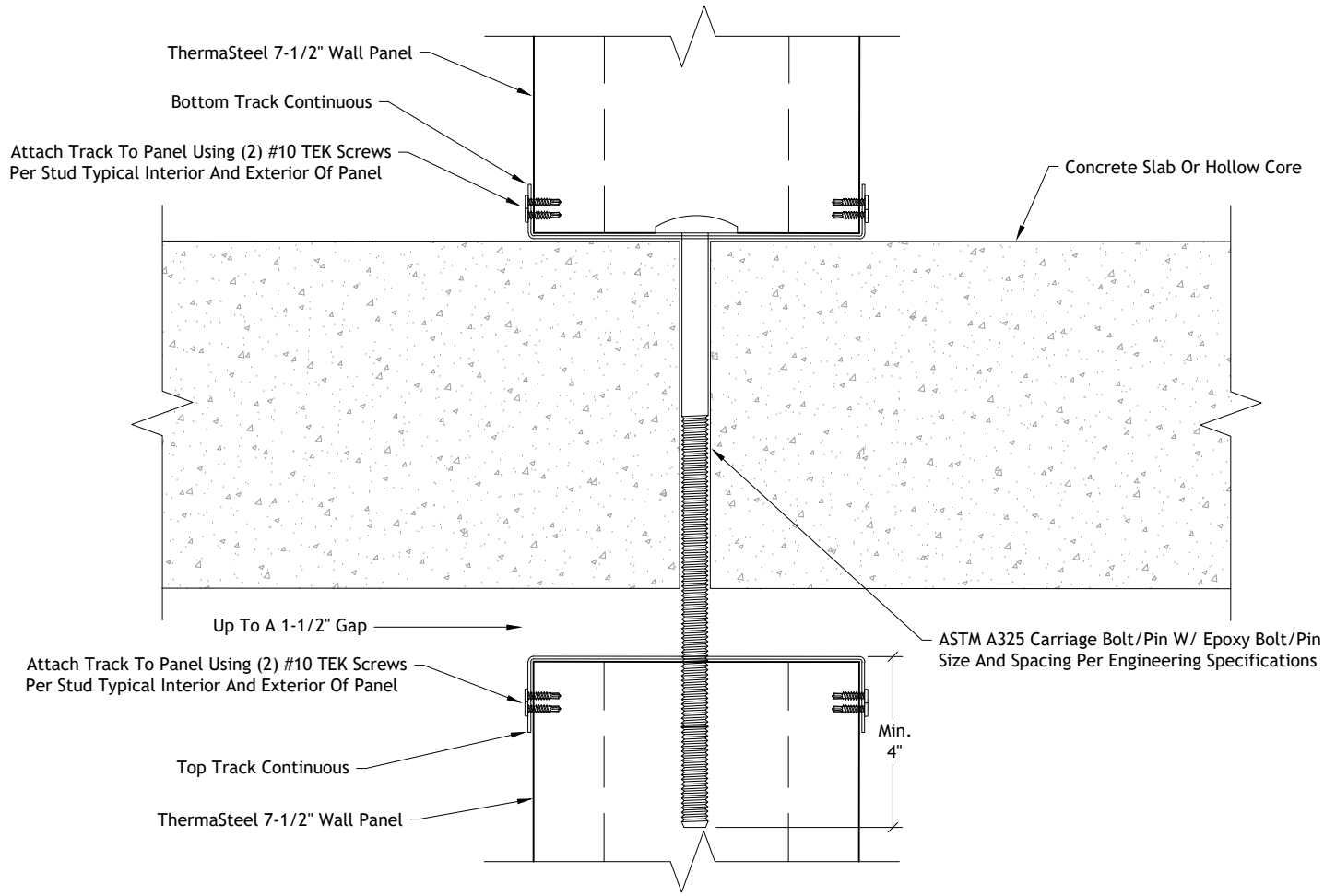

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Interior Track Connection To Overlapping Partitions On A Non-Load Bearing Wall

Not To Scale
Rev: 11/30/2021
Drawing Number
HD-012

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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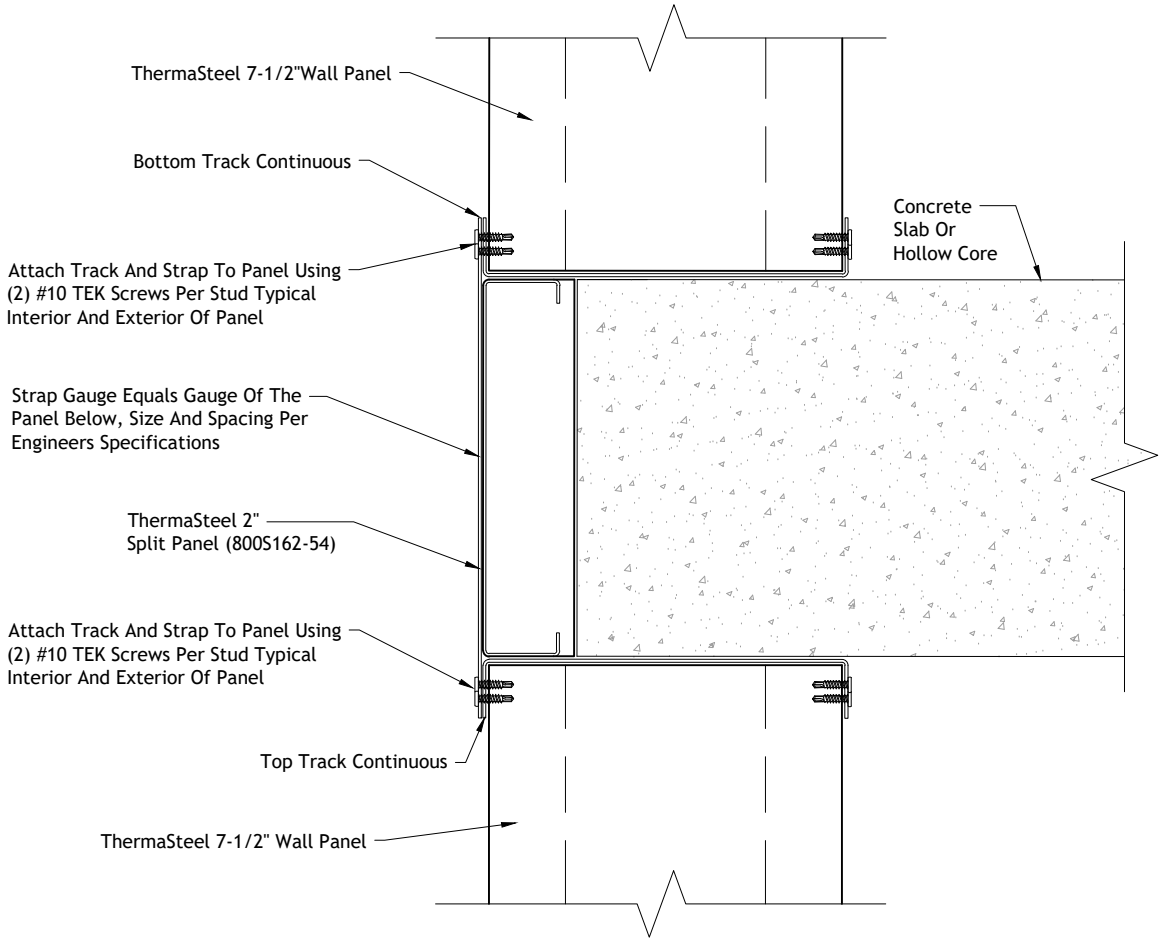

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Insulation Band Connection With Strap

Not To Scale

Rev: 11/30/2021

Drawing Number

HD-013

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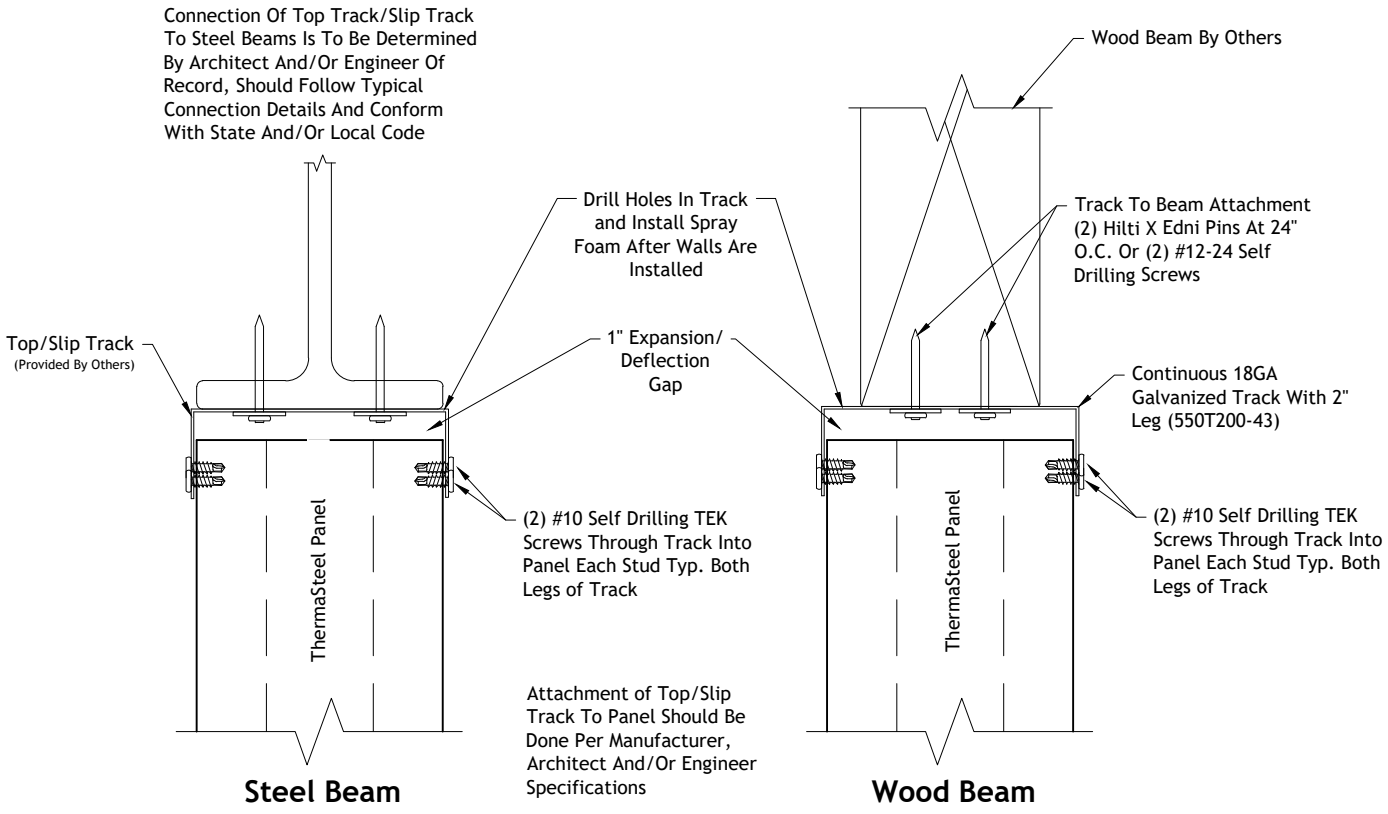

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Track Connection To Steel And Wood Beams

Not To Scale
Rev: 11/30/2021
Drawing Number
HD-014

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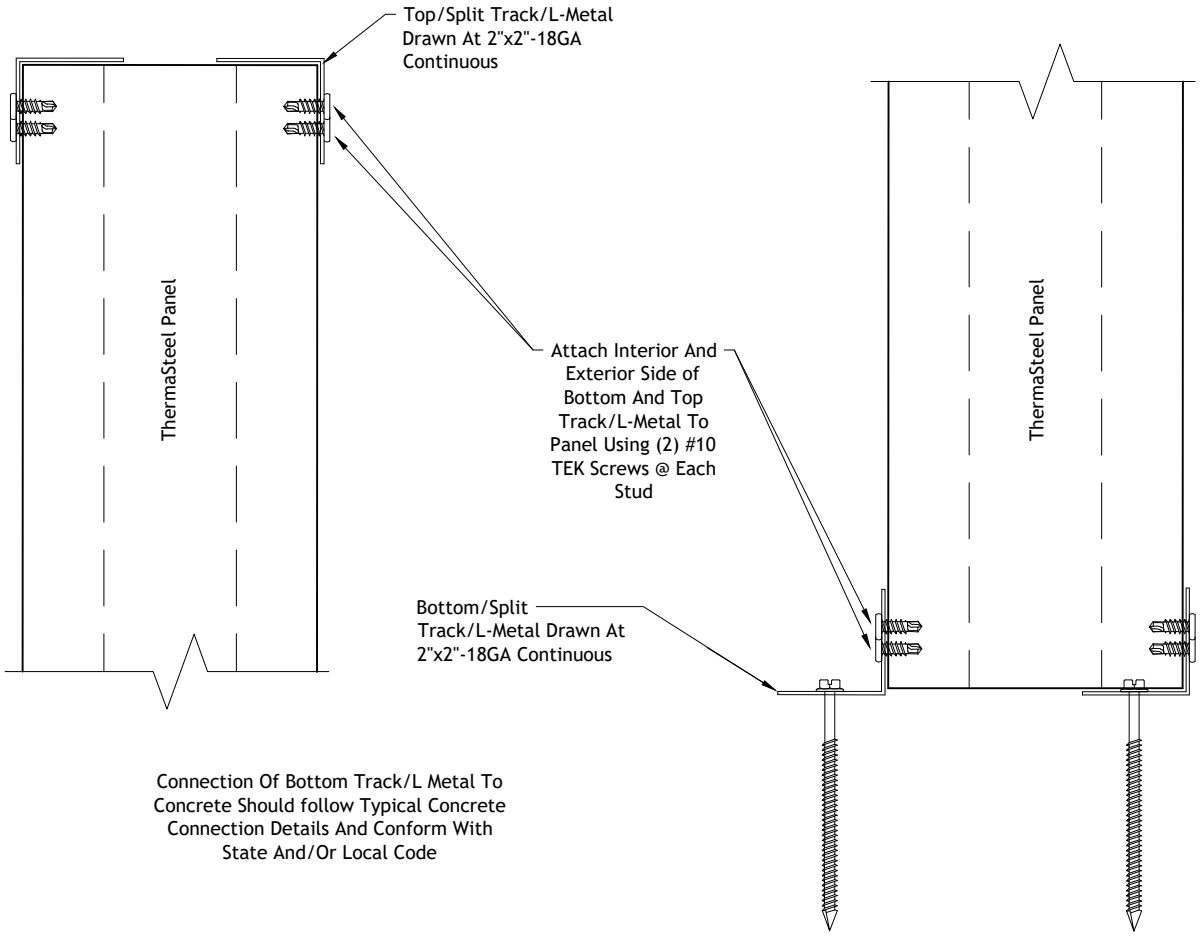

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Top And Bottom Panel To Split Track Connection

Not To Scale

Rev: 11/30/2021

Drawing Number

HD-015

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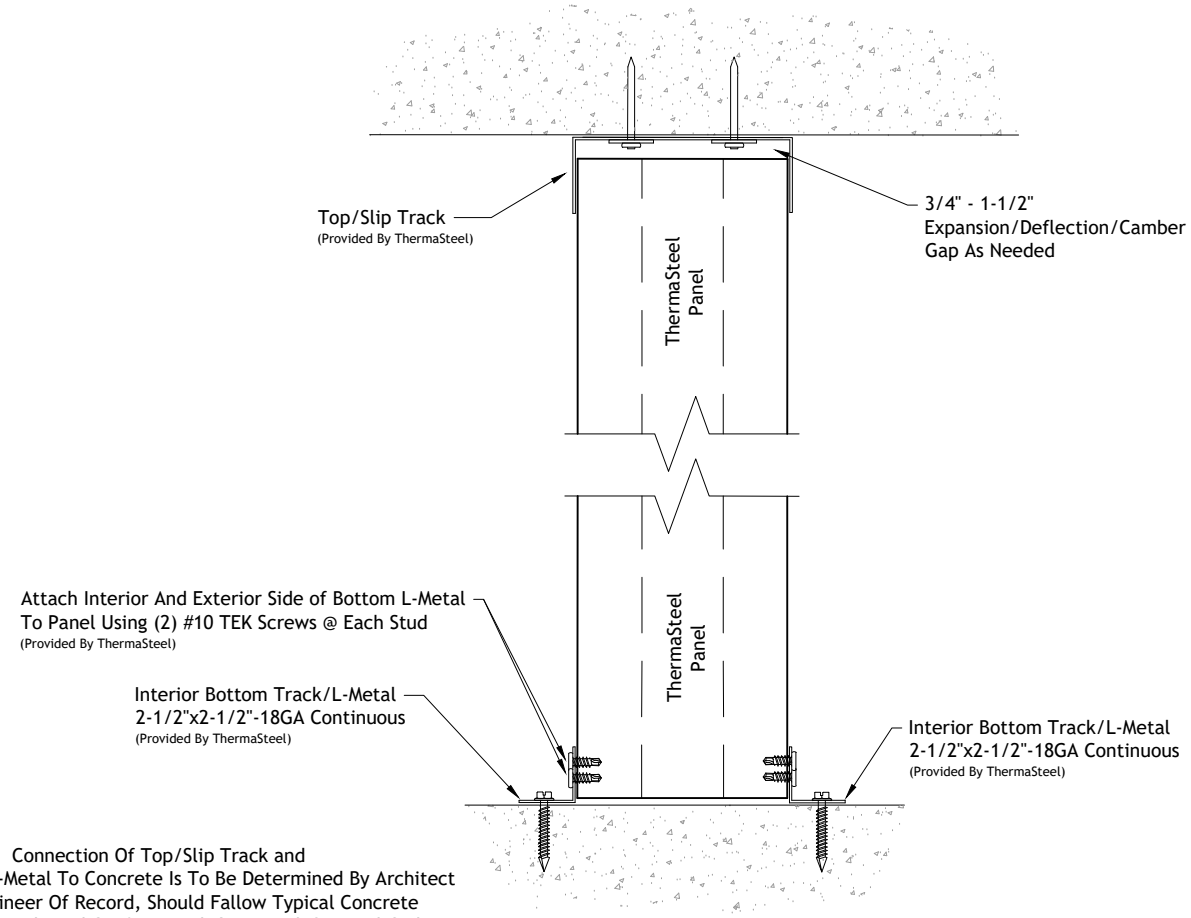

Connection Of Top/Slip Track and
Bottom Track/L-Metal To Concrete Is To Be Determined By Architect
And/Or Engineer Of Record, Should Fallow Typical Concrete
Connection Details And Conform With State And/Or Local Code

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Split Top And Bottom Track Connection

Not To Scale
Rev: 11/30/2021
Drawing Number
HD-016

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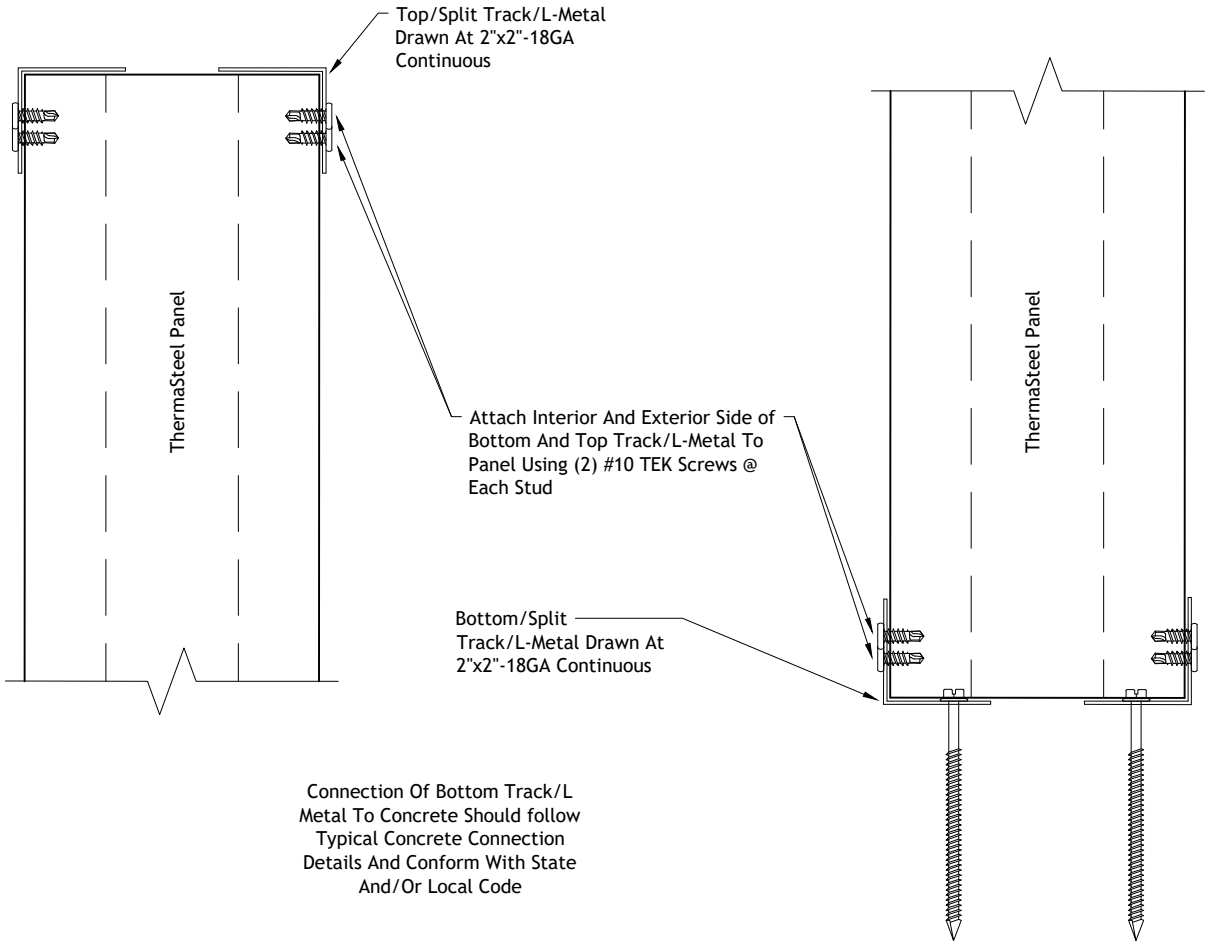

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel Hold Downs And Track Connections

Typical Split Top And Bottom Track Connection Alternative

Not To Scale

Rev: 11/30/2021

Drawing Number

HD-017

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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Headers/Sills

HS-001 Typical Header/Boxed Beam

HS-002 Typical Exploded Header With Stiffeners

HS-003 Typical Bottom Chord Structural Combination Header

HS-004 Typical Top Chord Structural Combination Header

HS-005 Combo Header Panels Detail

HS-006 Header Panel Detail

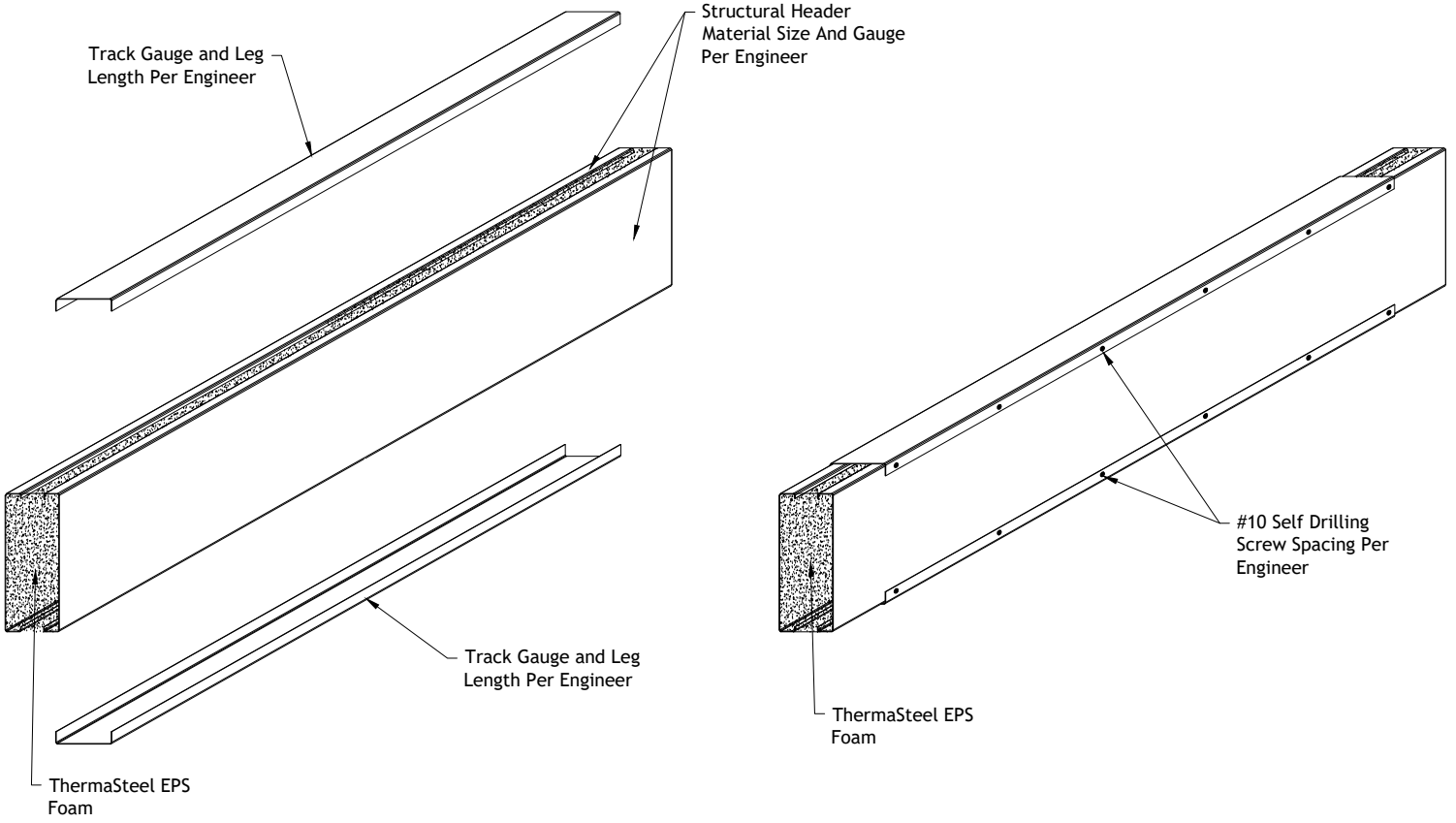
HS-007 Sill Panel Detail

HS-008 Typical Connection Of Header/Sill To Wall Panel

HS-009 Typical Garage/Large Opening Headers

HS-010 Typical Header/Sill/Wall Connection

Back To Connection Detail Chapters



THERMASTEEL™
ADVANCED PANEL SYSTEM

Headers And Sills

Typical Header/Boxed Beam

Not To Scale

Rev: 11/30/2021

Drawing Number

HS-001

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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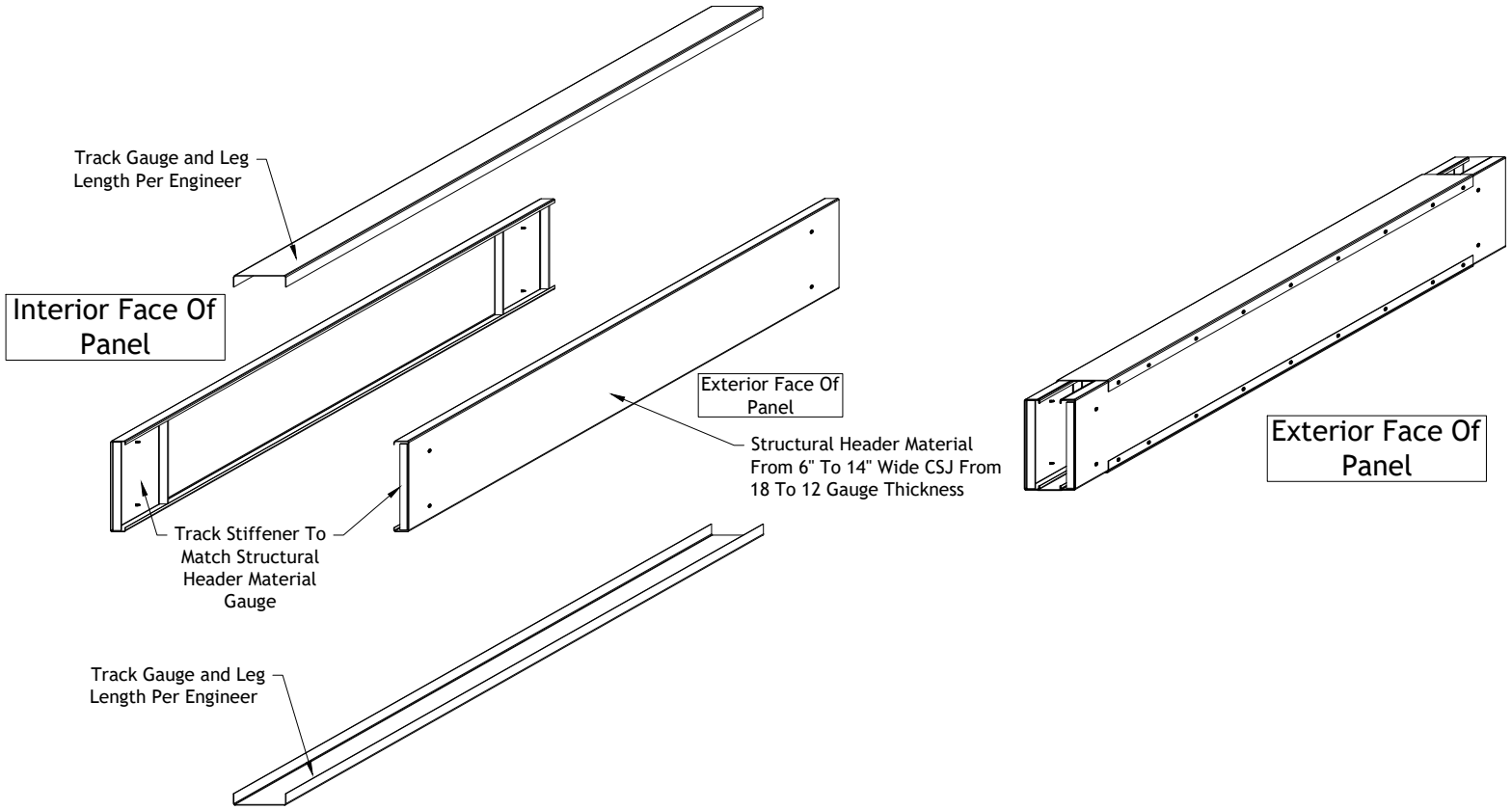

THERMASTEEL™
ADVANCED PANEL SYSTEM

Headers And Sills

Typical Exploded Header With Stiffeners

Not To Scale

Rev: 11/30/2021

Drawing Number

HS-002

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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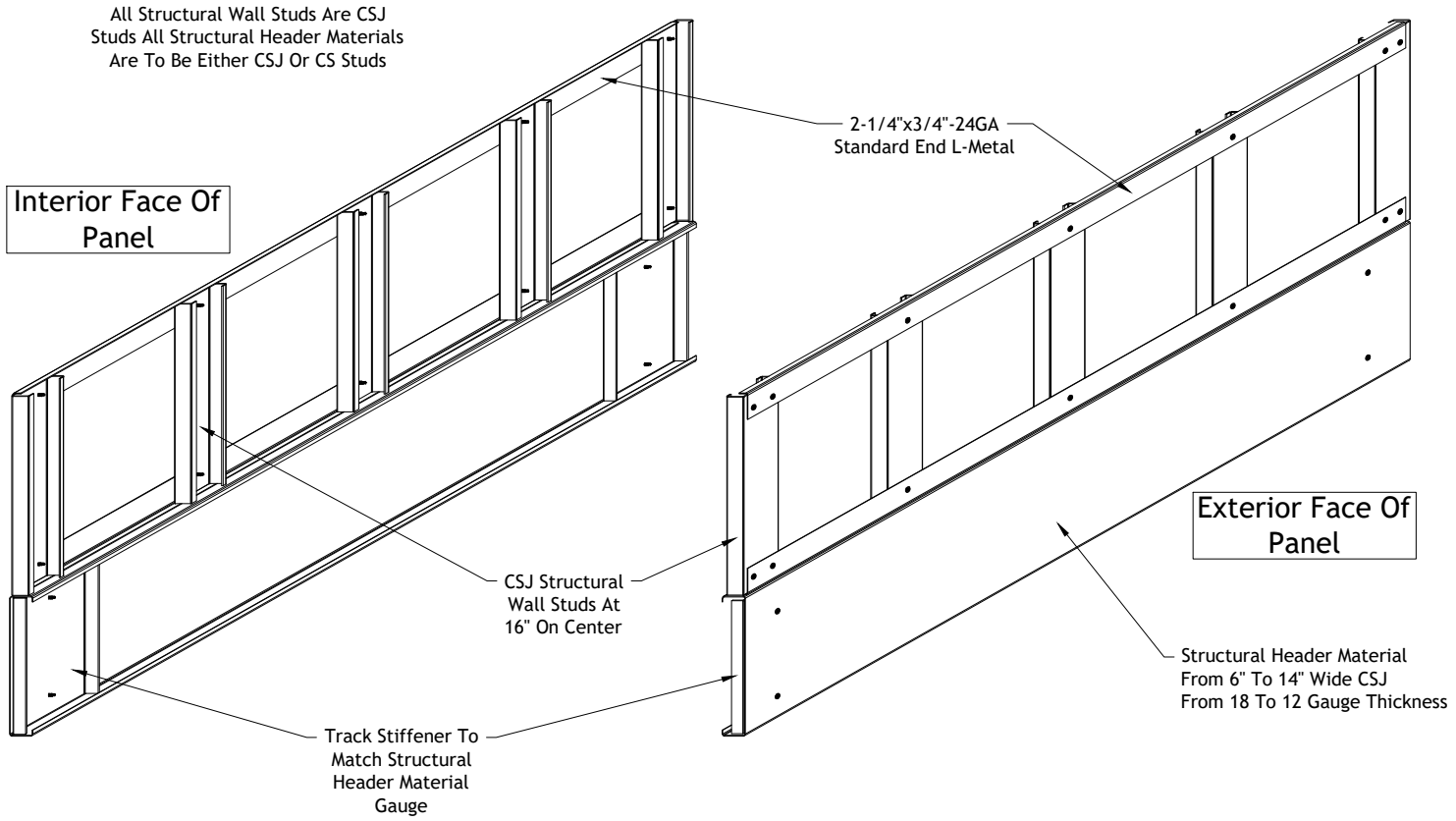

THERMASTEEL™
ADVANCED PANEL SYSTEM

Headers And Sills

Typical Bottom Chord Structural Combination Header

Not To Scale

Rev: 11/30/2021

Drawing Number

HS-003

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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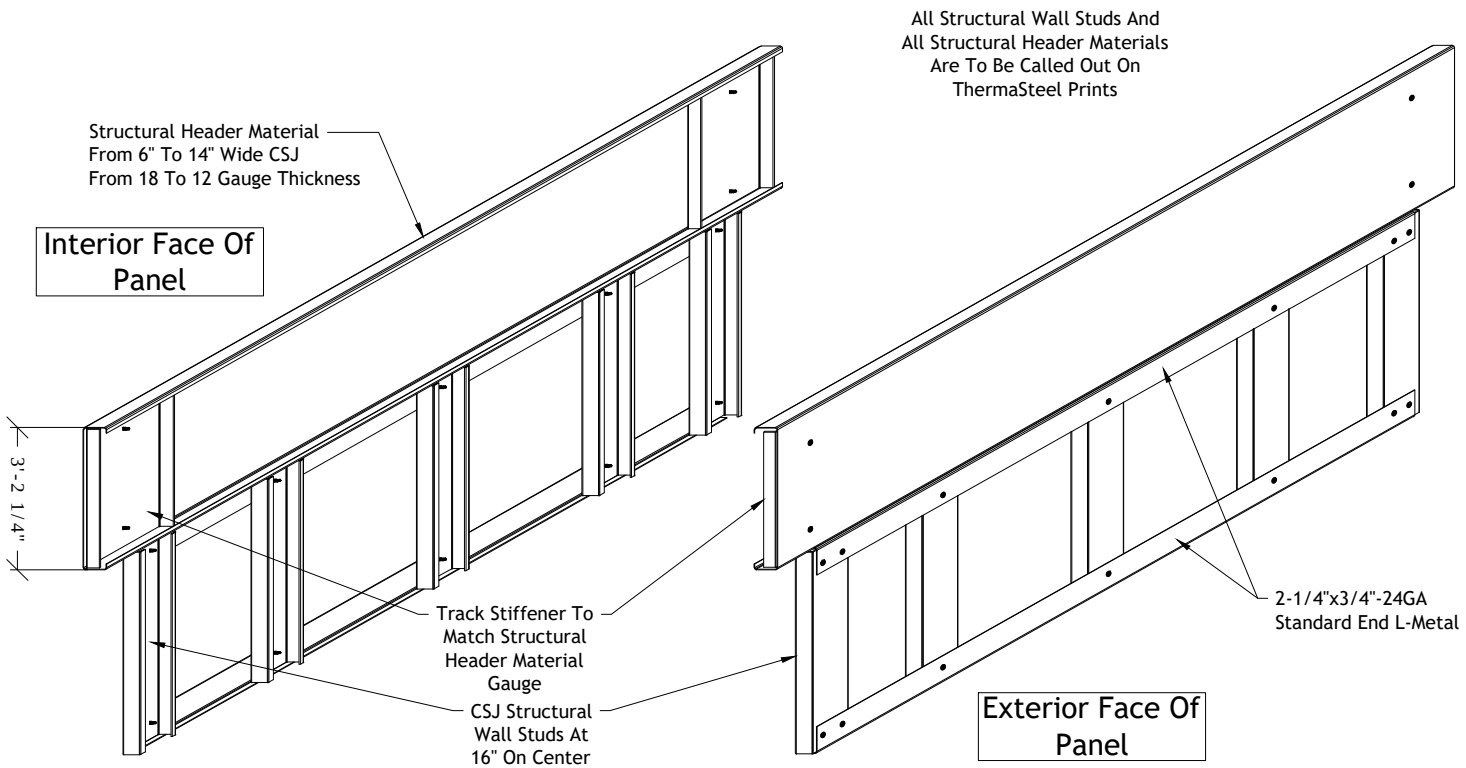

THERMASTEEL™
ADVANCED PANEL SYSTEM

Headers And Sills

Typical Top Chord Structural Combination Header

Not To Scale

Rev: 11/30/2021

Drawing Number

HS-004

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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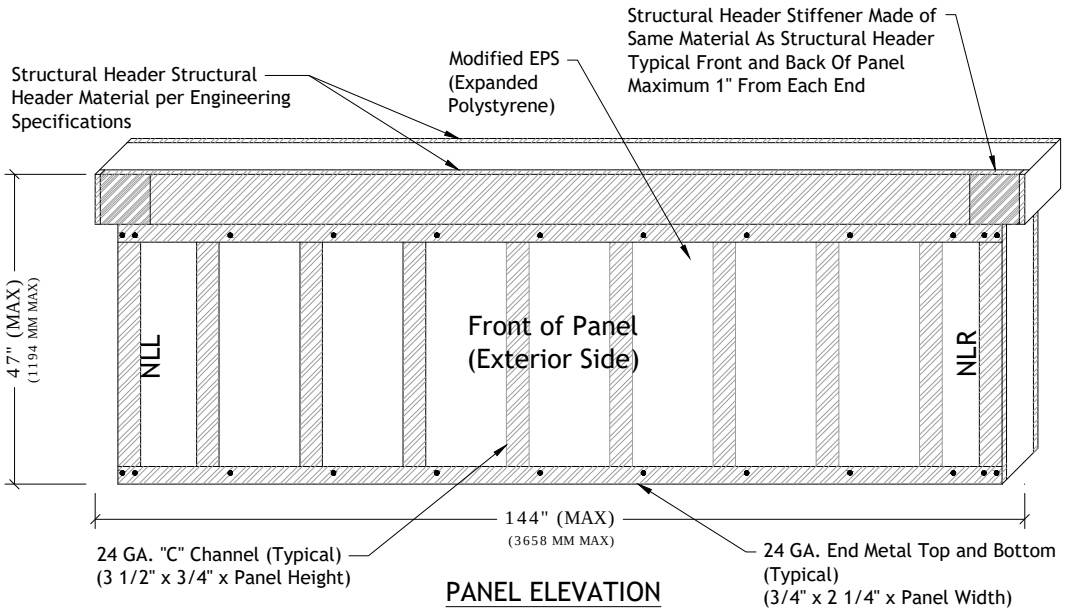
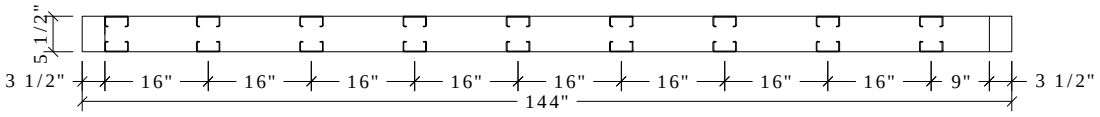
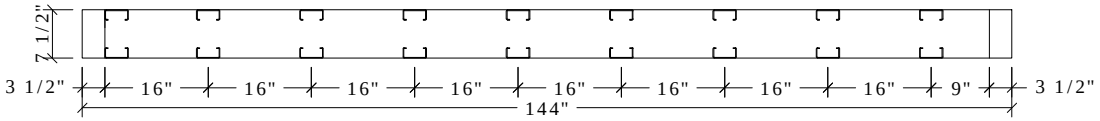
A Combo Header consists of a combination of a load bearing header panel and a non-load bearing filler panel



PANEL ELEVATION



5 1/2" Combo Header Panels



7 1/2" Combo Header Panels

BOTTOM VIEW

FOR ALL PANEL THICKNESSES
(ALL DIMENSIONS TAKEN FROM EXTERIOR SURFACE)
(WIRE CHASES NOT TYPICAL ON THIS PANEL, INSTALLED UPON REQUEST)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Headers And Sills

Combo Header Panels Detail

Not To Scale
Rev: 11/30/2021
Drawing Number
HS-005

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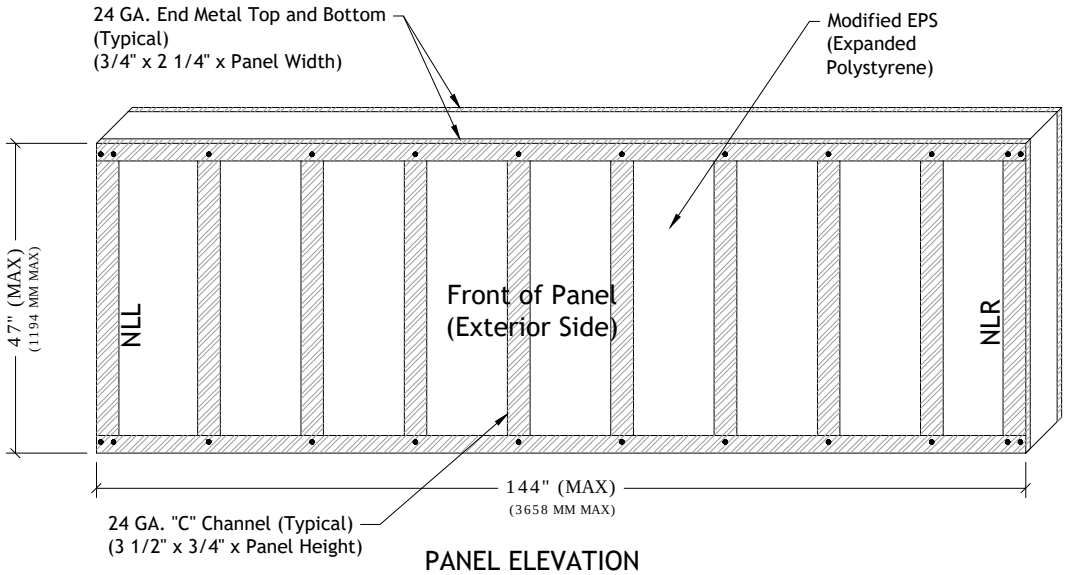
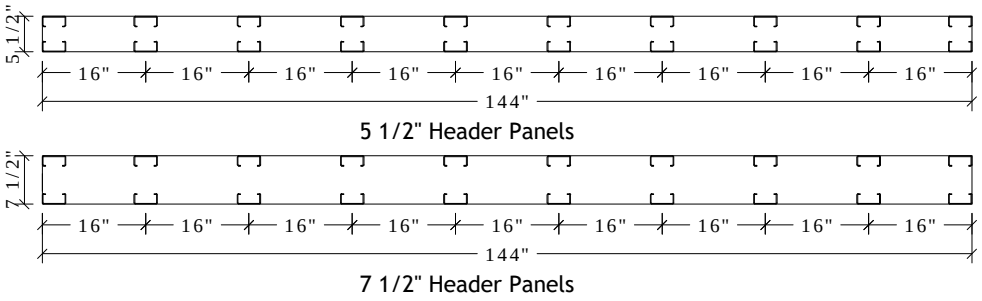


PANEL ELEVATION



5 1/2" Header Panels

7 1/2" Header Panels

BOTTOM VIEW

FOR ALL PANEL THICKNESSES
(ALL DIMENSIONS TAKEN FROM EXTERIOR SURFACE)
(WIRE CHASES NOT TYPICAL ON THIS PANEL, INSTALLED UPON REQUEST)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Headers And Sills

Header Panels Detail

Not To Scale
Rev: 11/30/2021
Drawing Number
HS-006

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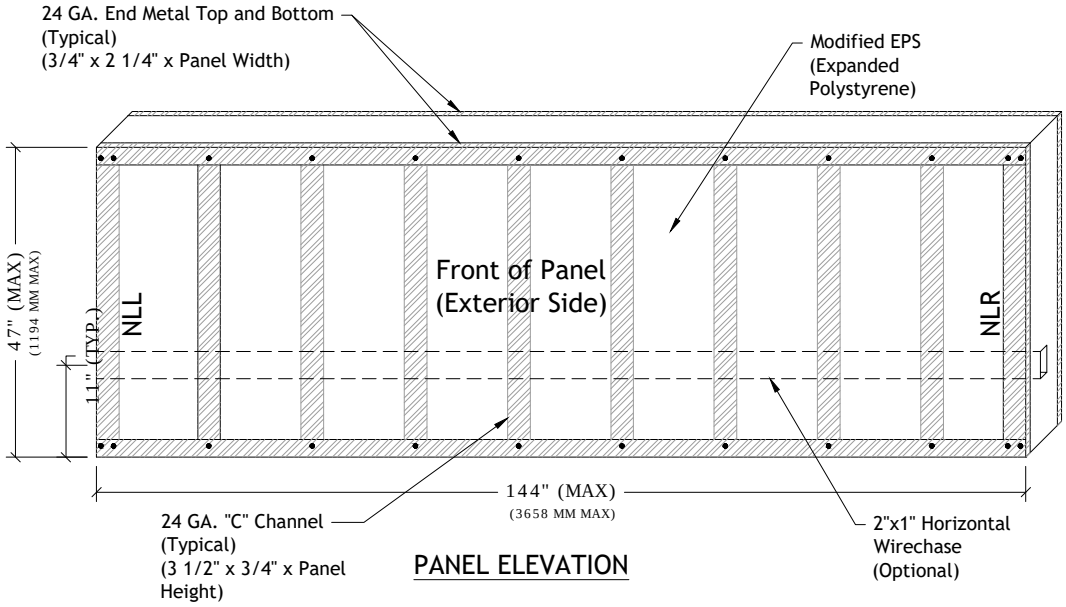
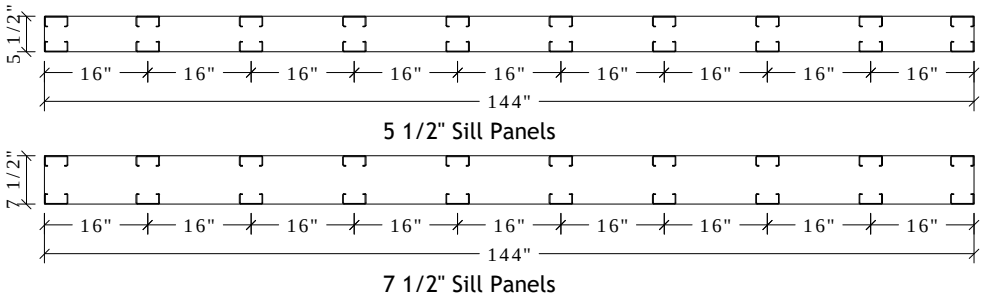


PANEL ELEVATION



BOTTOM VIEW

FOR ALL PANEL THICKNESSES
(ALL DIMENSIONS TAKEN FROM EXTERIOR SURFACE)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Headers And Sills

Sill Panels Detail

Not To Scale
Rev: 11/30/2021
Drawing Number
HS-007

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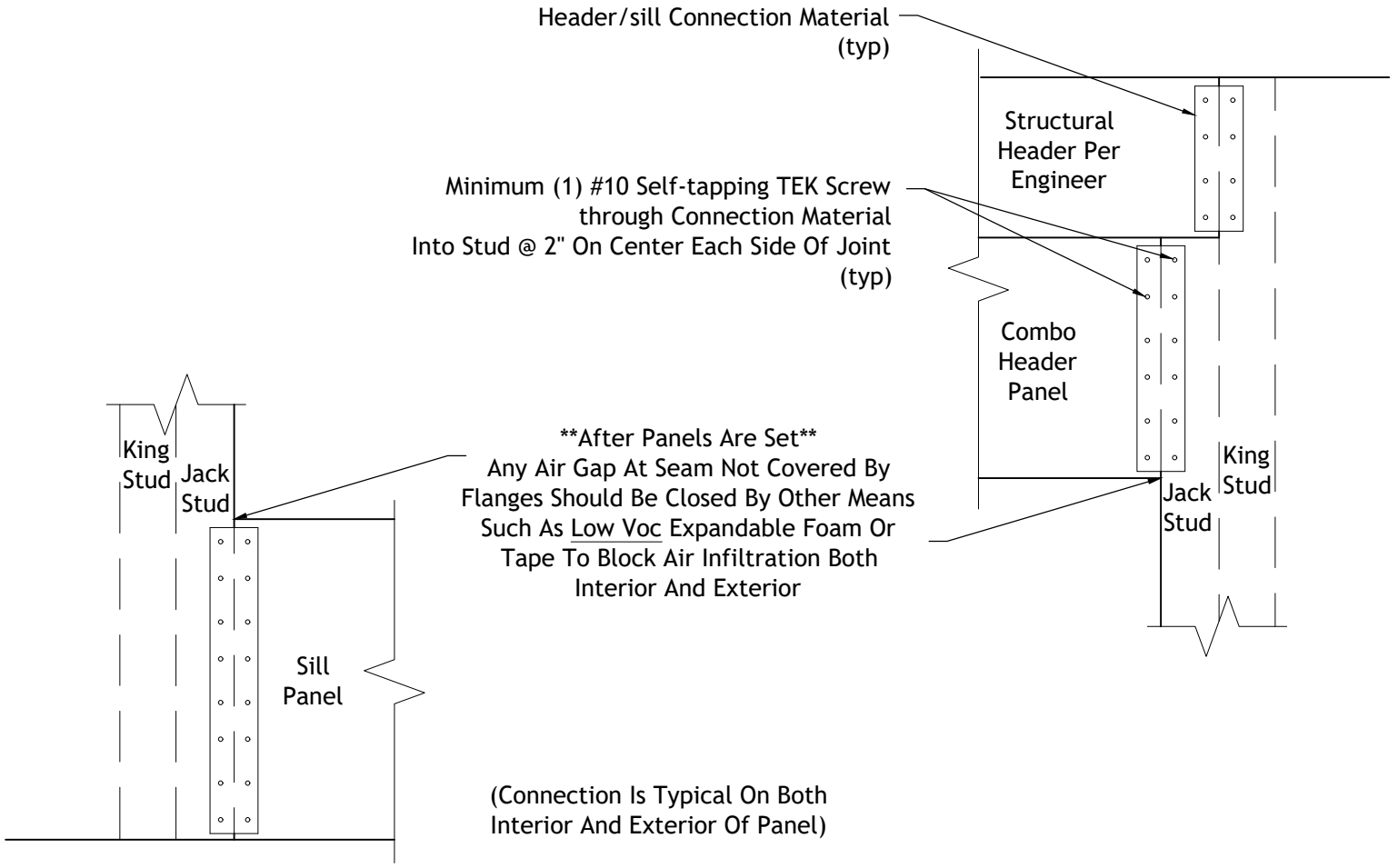

THERMASTEEL™
ADVANCED PANEL SYSTEM

Headers And Sills

Typical Connection Of Header/Sill To Wall Panel

Not To Scale

Rev: 5/22/2023

Drawing Number

HS-008

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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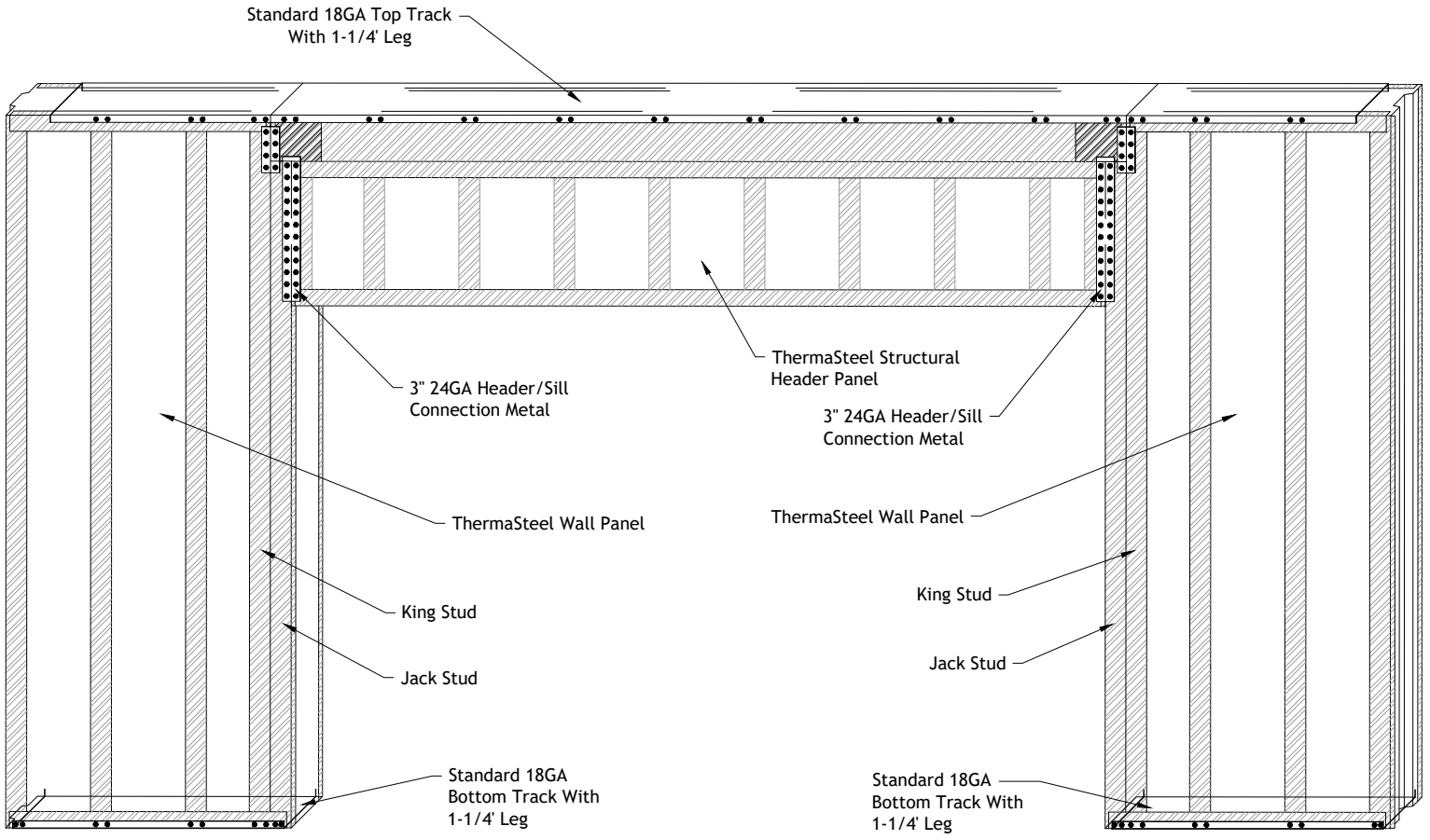

THERMASTEEL™
ADVANCED PANEL SYSTEM

Headers And Sills

Typical Garage/Large Opening Header

Not To Scale
Rev: 11/30/2021
Drawing Number
HS-009

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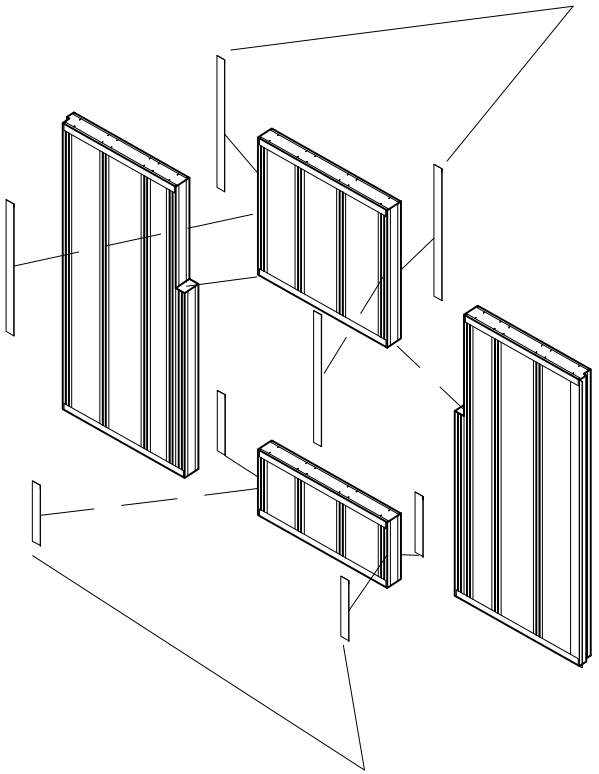
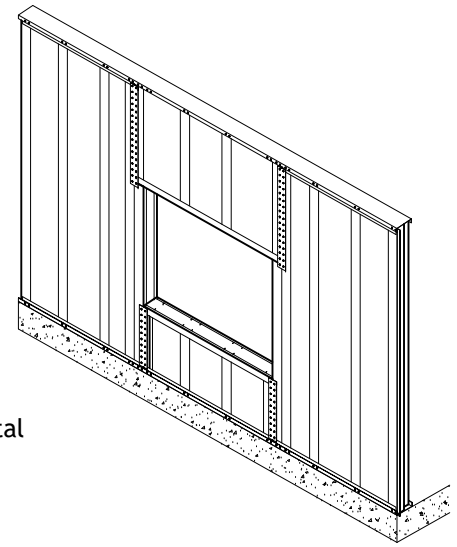


3" Wide 24GA
Standard Header/Sill Connection Metal
Length = height of panel

Place Header/Sill Attachment Metal On Both Interior And Exterior Of Panels Overlapping The Seam By 1-1/2" Each Side And Covering Seam Fully From Top To Bottom

Attach Using Min. (1) #10 Tech Screw @ 2" On Center Typical Each Side Of Seam



Standard Sill Connection Metal

THERMASTEEL™
ADVANCED PANEL SYSTEM

Headers And Sills

Typical Header/Sill/Wall Connections

Not To Scale
6/29/2023
Drawing Number
HS-010

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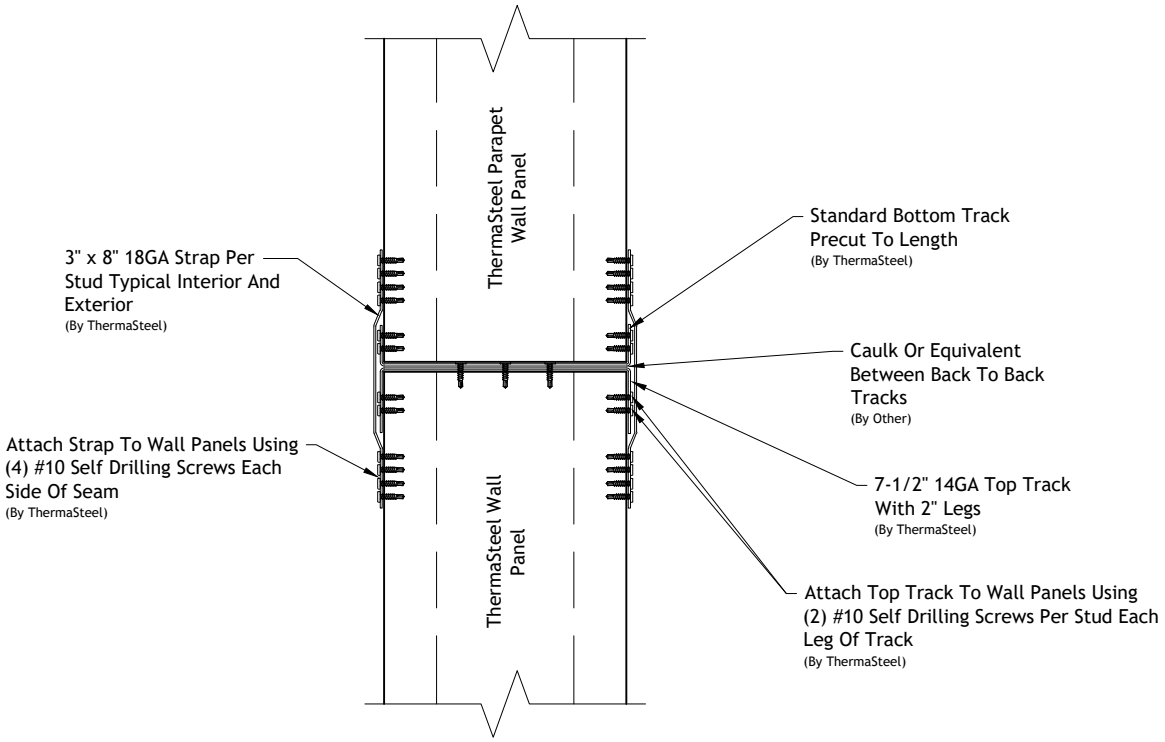
Panel To Panel Connections

Back To Connection Detail Chapters



THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel To Panel Connections

Typical Multi Level Panel Connection Section View

Not To Scale

Rev: 11/30/2021

Drawing Number
PP-001

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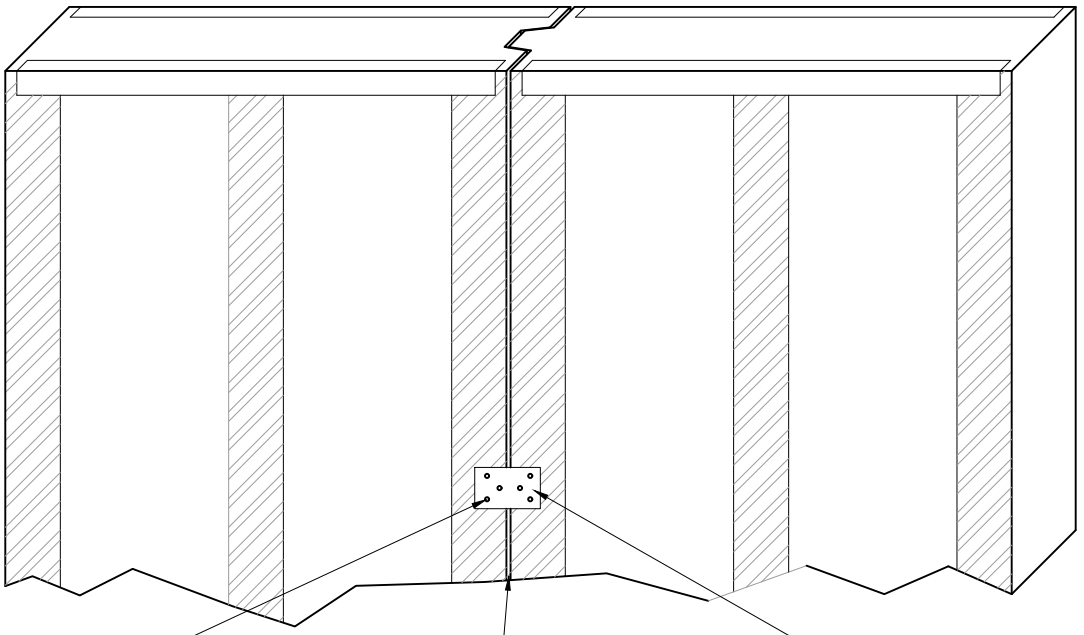

(Typical For All Panel Greater Than 9' Tall And All Stem/Basement Wall Panels)

(Connection Is Typical On Interior Of Panel Only)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel To Panel Connections

Typical Interior Attachment Plate Connection

Not To Scale
Rev: 11/30/2021
Drawing Number
PP-002

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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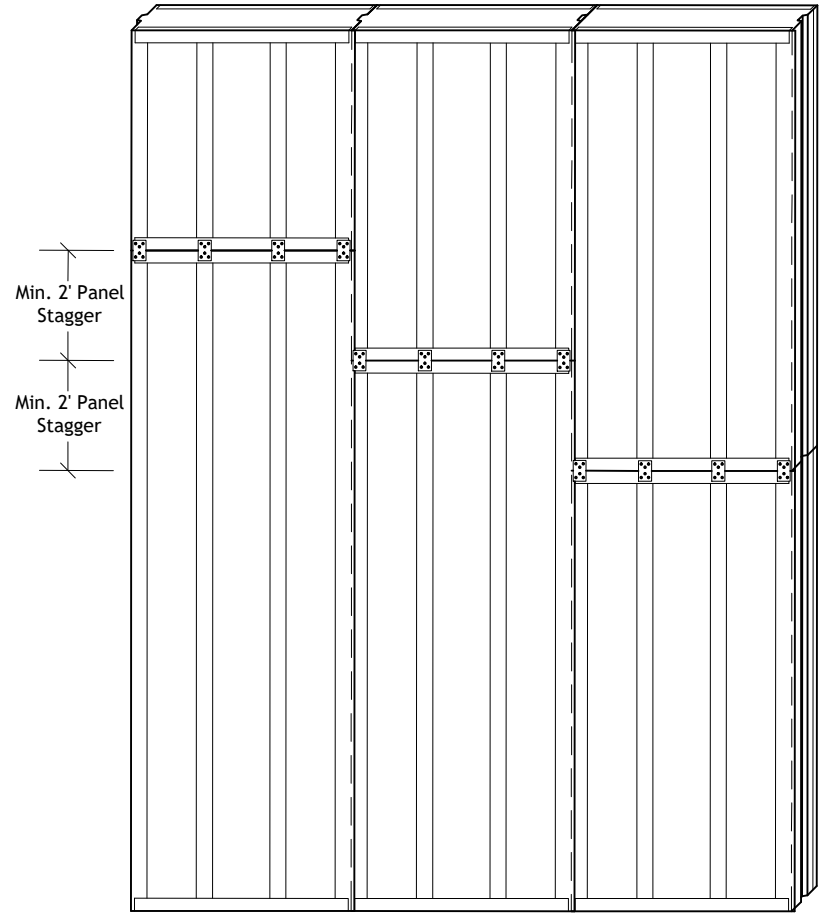

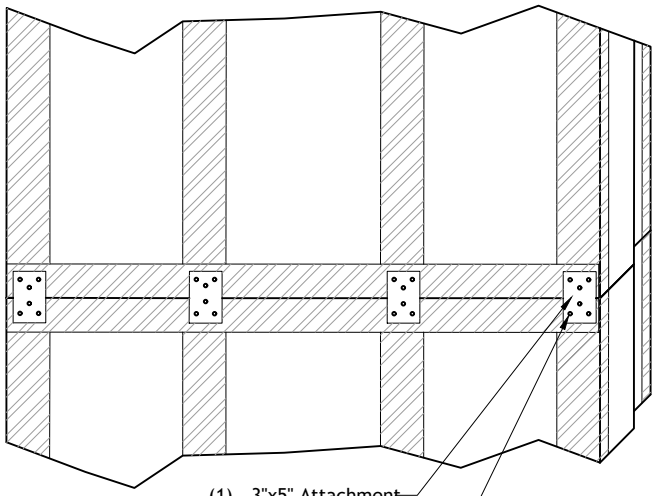

(Connection Is Typical On Both Interior And Exterior Of Panel)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel To Panel Connections

Typical Staggered Panel/Multi-Panel Connection

Not To Scale
Rev: 11/30/2021
Drawing Number
PP-003

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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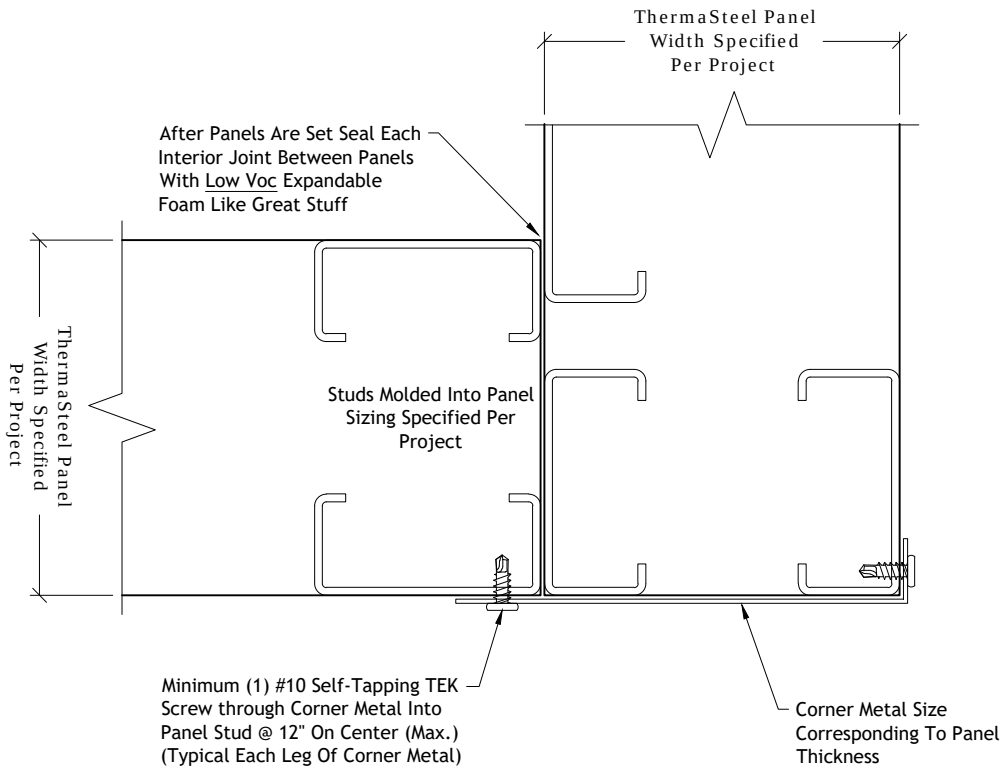

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel To Panel Connections

Typical Panel To Panel No Lap Corner Connection

Not To Scale

Rev: 11/30/2021

Drawing Number

PP-004

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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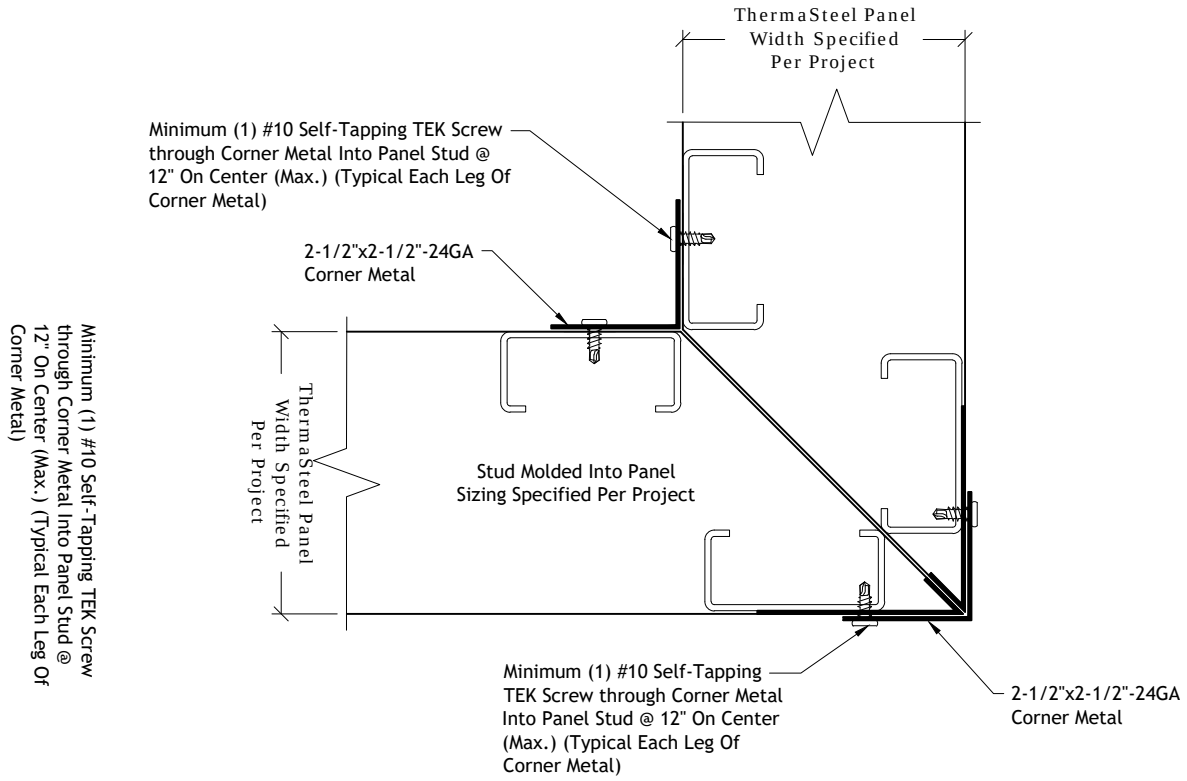

(Connection Is Typical On Both Interior And Exterior Of Panel)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel To Panel Connections

Typical Panel To Panel 90° Corner Connection

Not To Scale
Rev: 11/30/2021
Drawing Number
PP-005

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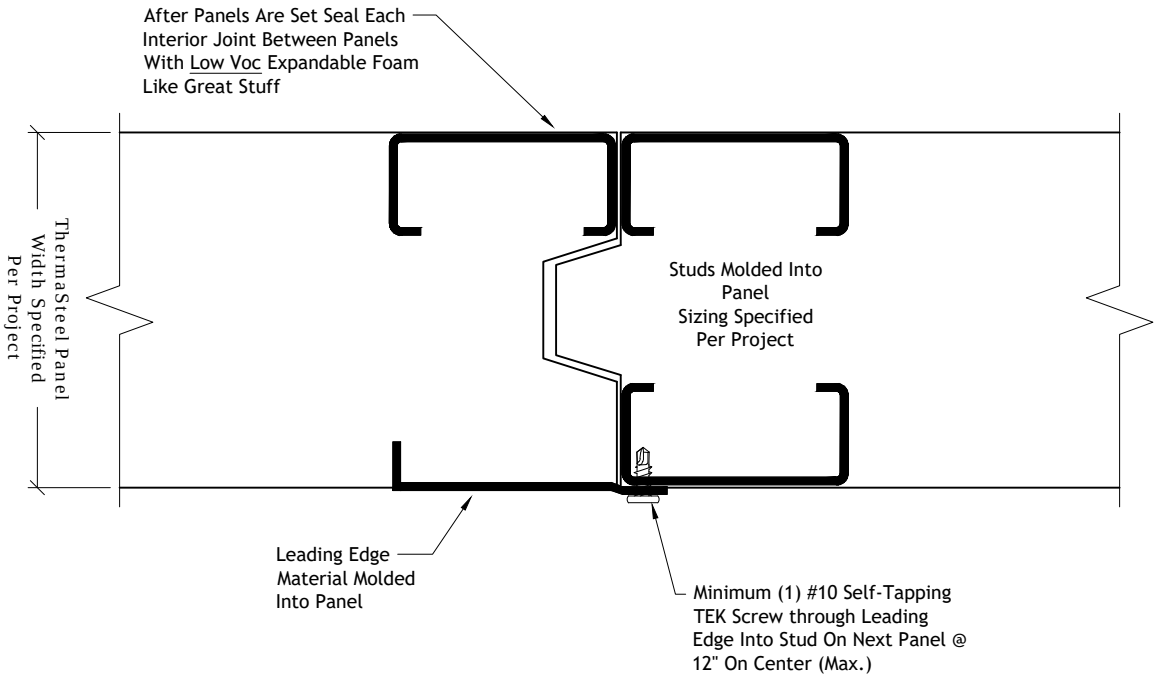

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel To Panel Connections

Typical Panel To Panel Joint Connection

Not To Scale
Rev: 11/30/2021
Drawing Number
PP-006

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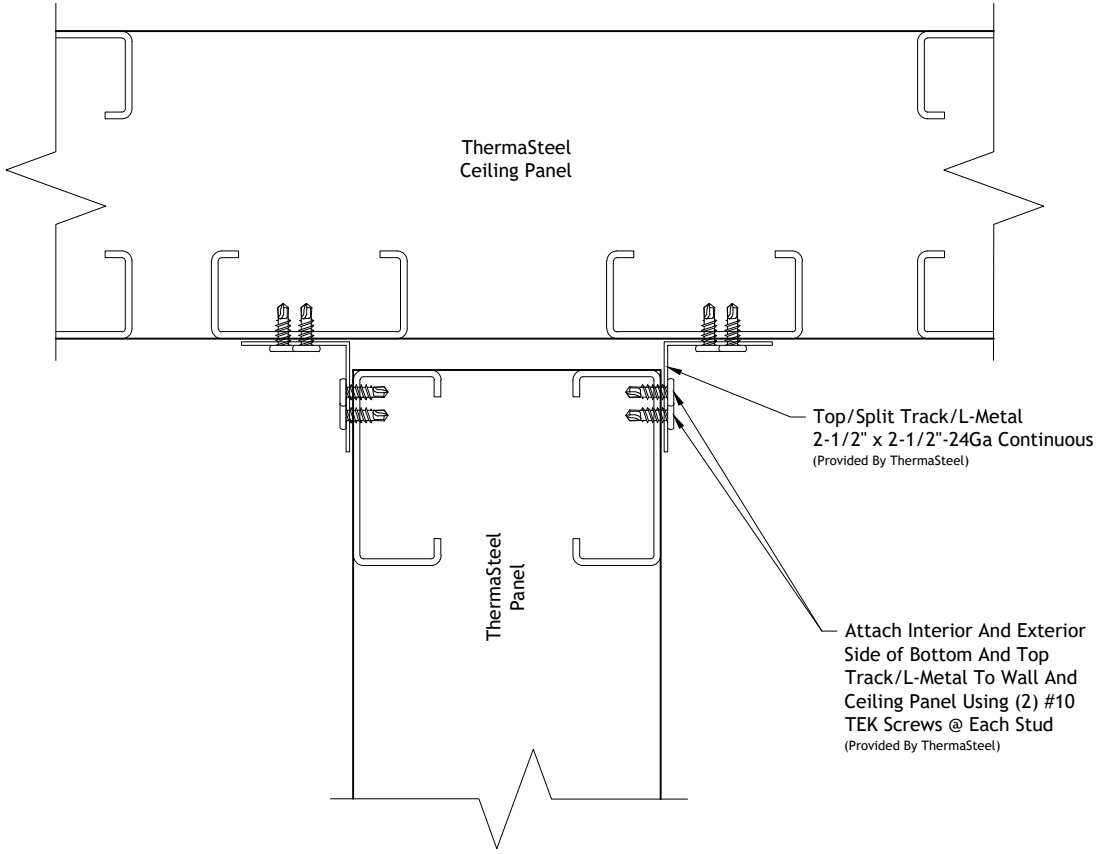

(Connection Is Typical For Interior, 3-1/2" Thick Wall
Only All Others Should Use Connection On CD-1)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel To Panel Connections

Typical Intersecting 3½" Panel Connection

Not To Scale

Rev: 11/30/2021

Drawing Number

PP-007

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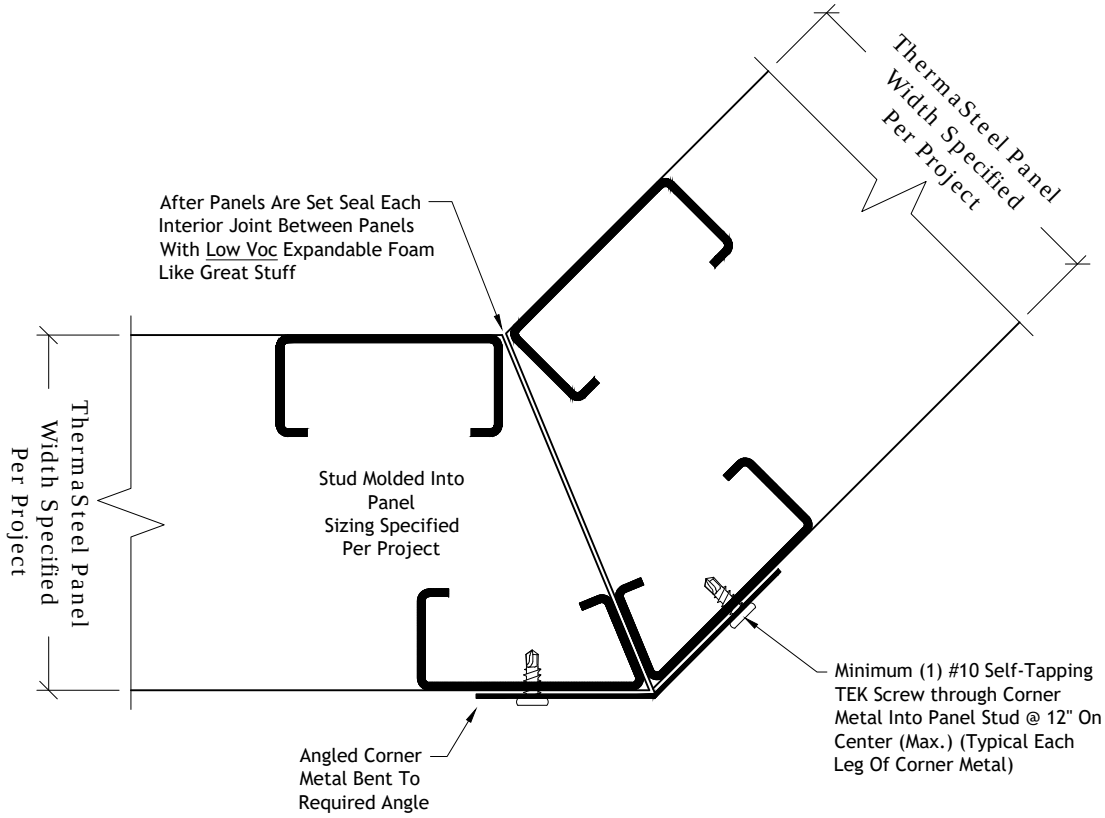

(Connection Is Typical On Exterior Of Panel Only)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Panel To Panel Connections

Typical Panel To Panel Angled Corner Connection

Not To Scale
Rev: 11/30/2021
Drawing Number
PP-008

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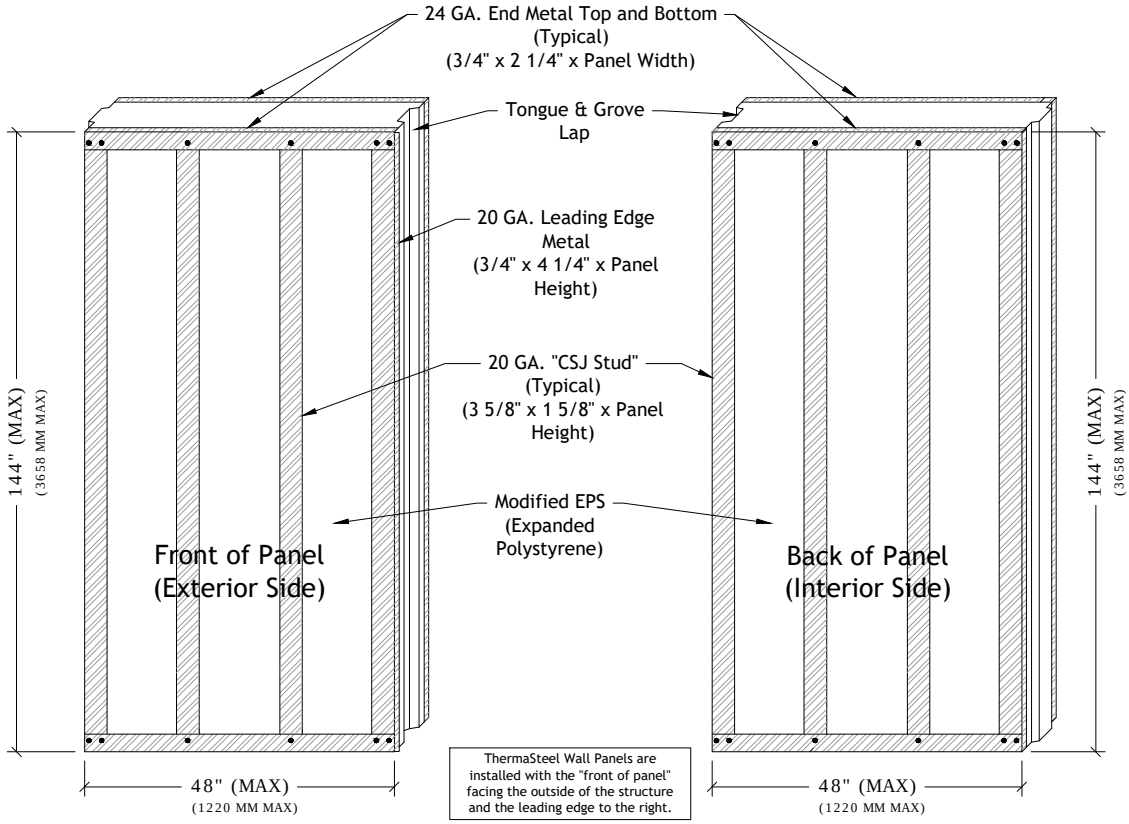
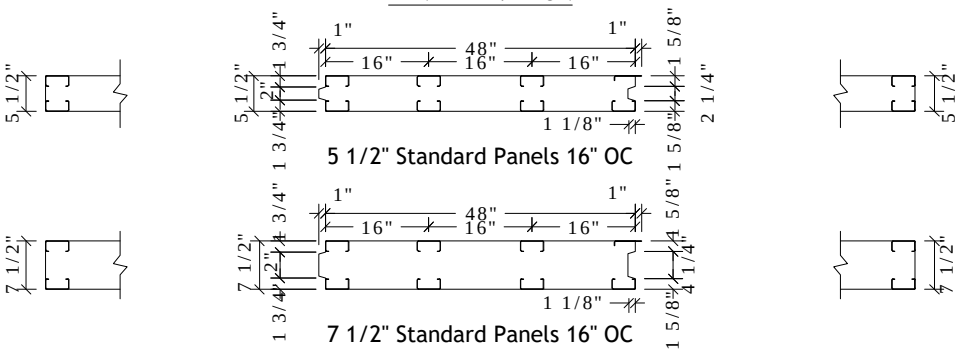
Roof Connections

Back To Connection Detail Chapters



PANEL ELEVATION



NO LAP LEFT

BOTTOM VIEW

NO LAP RIGHT

FOR ALL PANEL THICKNESSES
(ALL DIMENSIONS TAKEN FROM EXTERIOR SURFACE)
(WIRE CHASES NOT TYPICAL ON THIS PANEL, INSTALLED UPON REQUEST)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Standard Roof Panel Detail

Not To Scale

Rev: 11/30/2021

Drawing Number

RC-001

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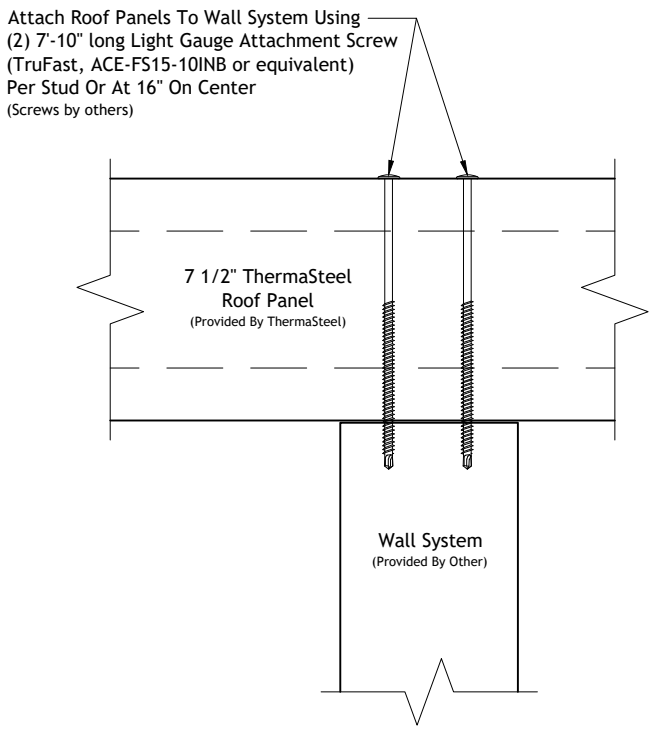

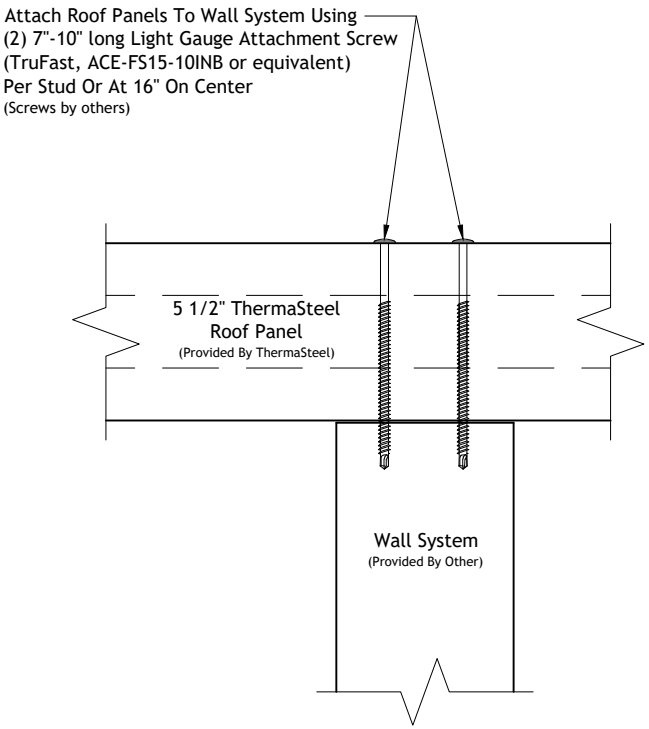

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Roof Panel To Wall System Connection Section View

Not To Scale

Rev: 11/30/2021

Drawing Number

RC-002

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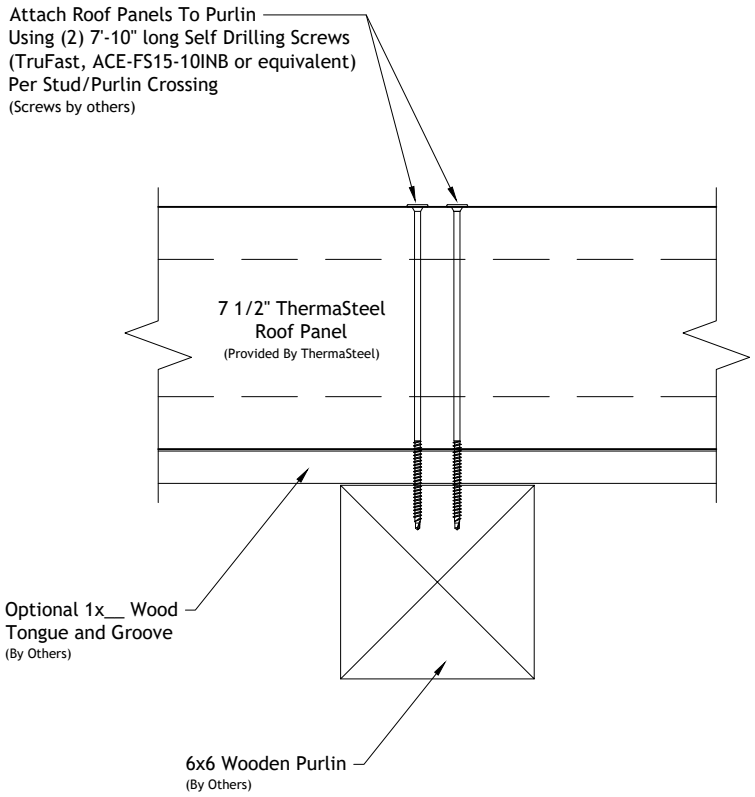
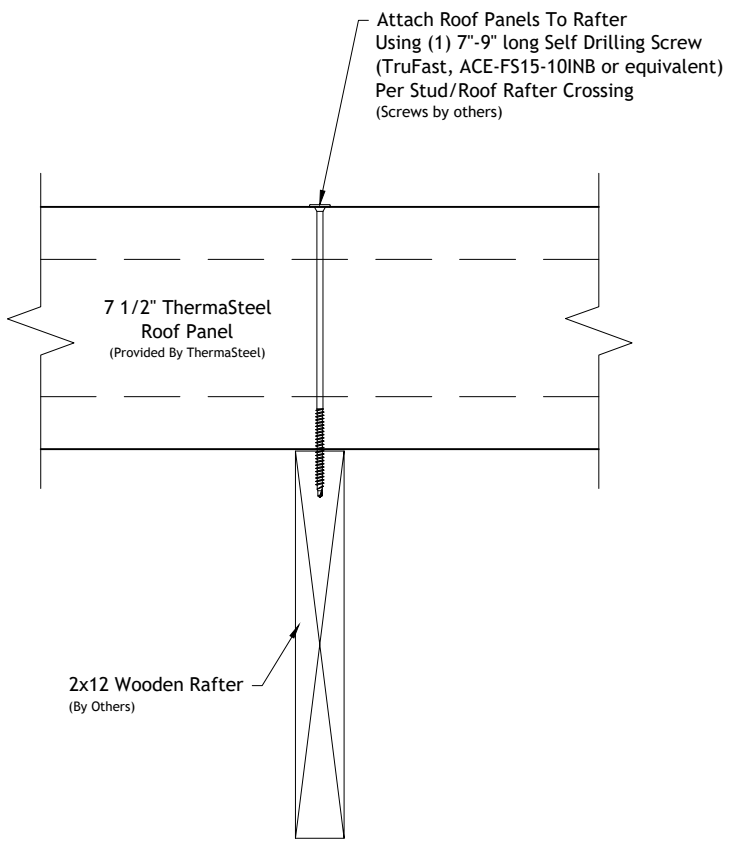


Roof Panel Attachment At Purlin



Roof Panel Attachment At Rafter

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Roof Panel Connection At Purlin/Rafter Section View

Not To Scale

Rev: 11/30/2021

Drawing Number

RC-003

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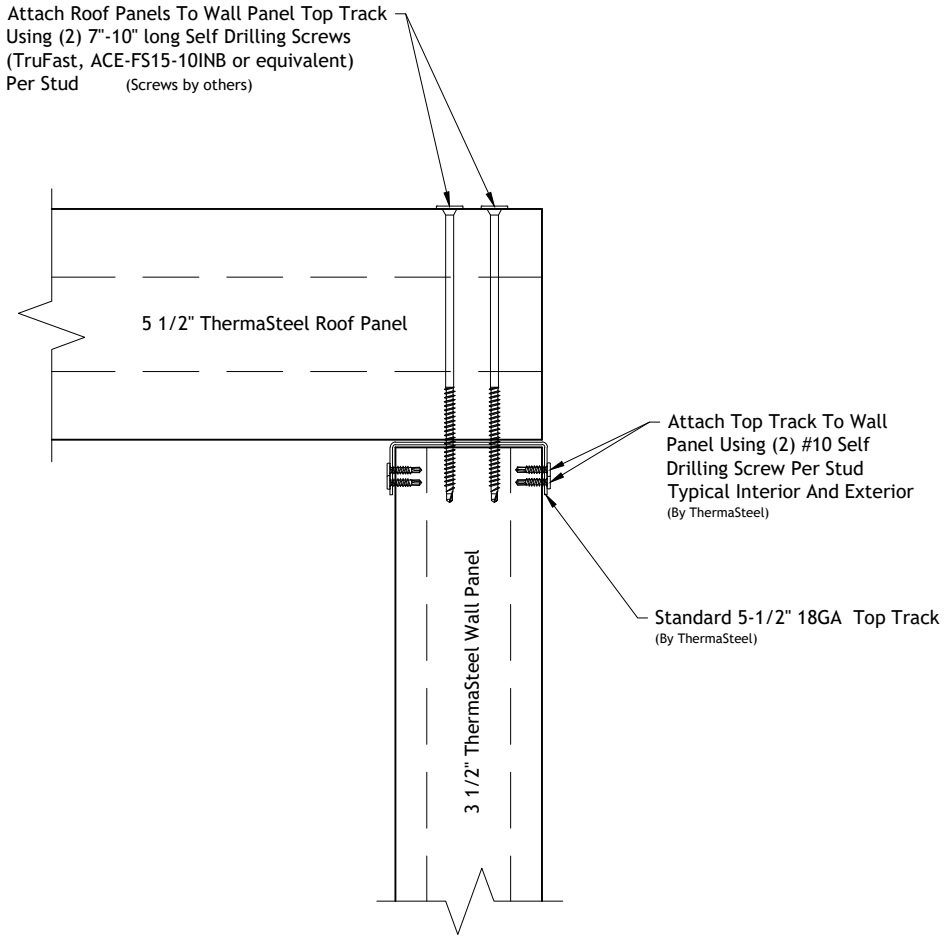

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Flush Roof Panel Connection Flush At Gable Ends - Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
RC-004

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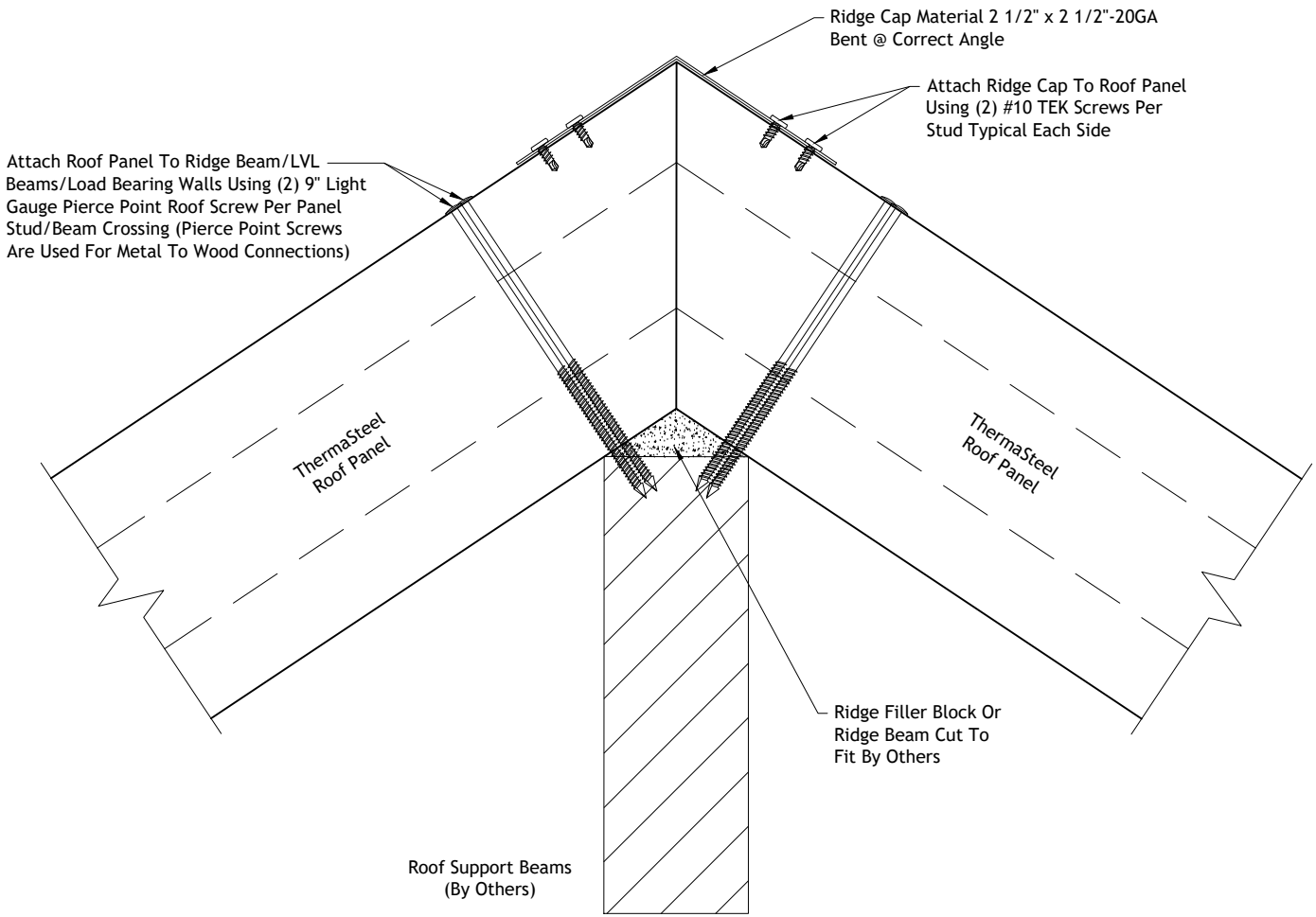

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Roof Panel Connection At Ridge Beam Section View

Not To Scale

Rev: 11/30/2021

Drawing Number

RC-005

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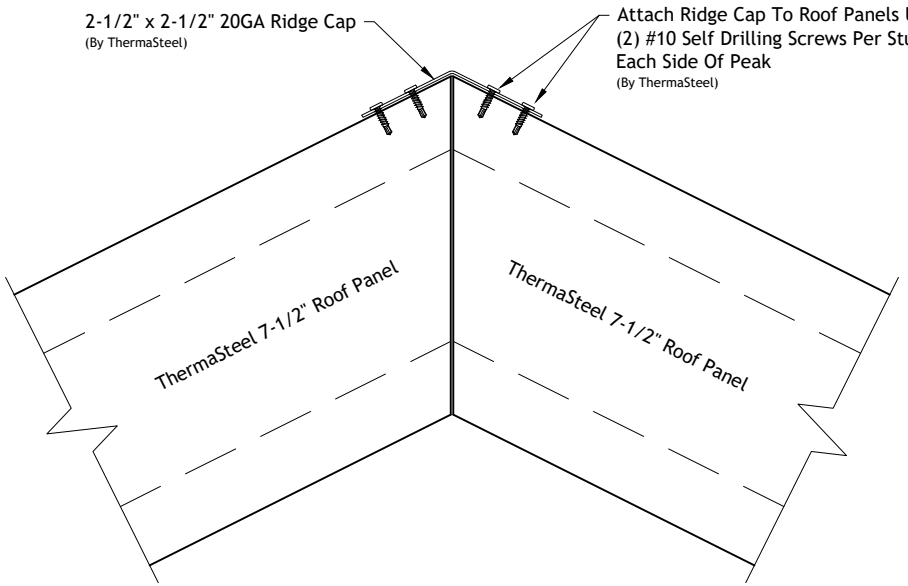

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Ridge Cap Connection
Section View

Not To Scale

Rev: 11/30/2021

Drawing Number

RC-006

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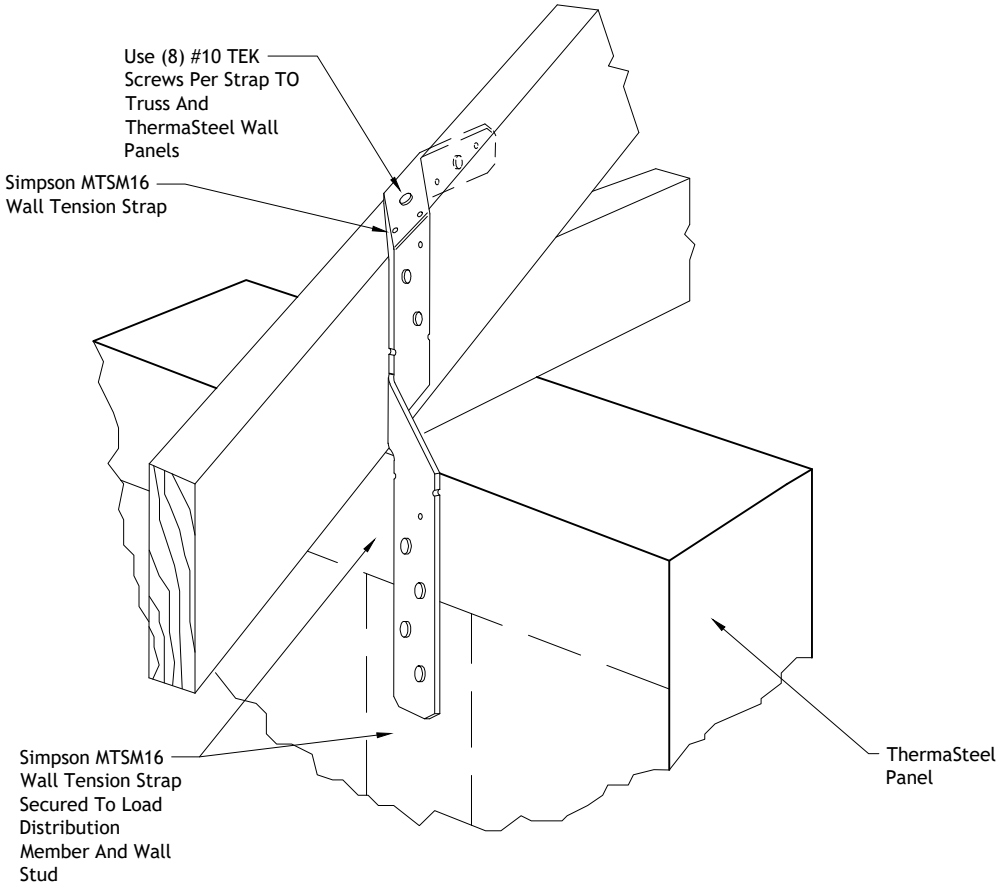

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Roof Truss/Simpson Strap To Panel Connection

Not To Scale
Rev: 11/30/2021
Drawing Number
RC-007

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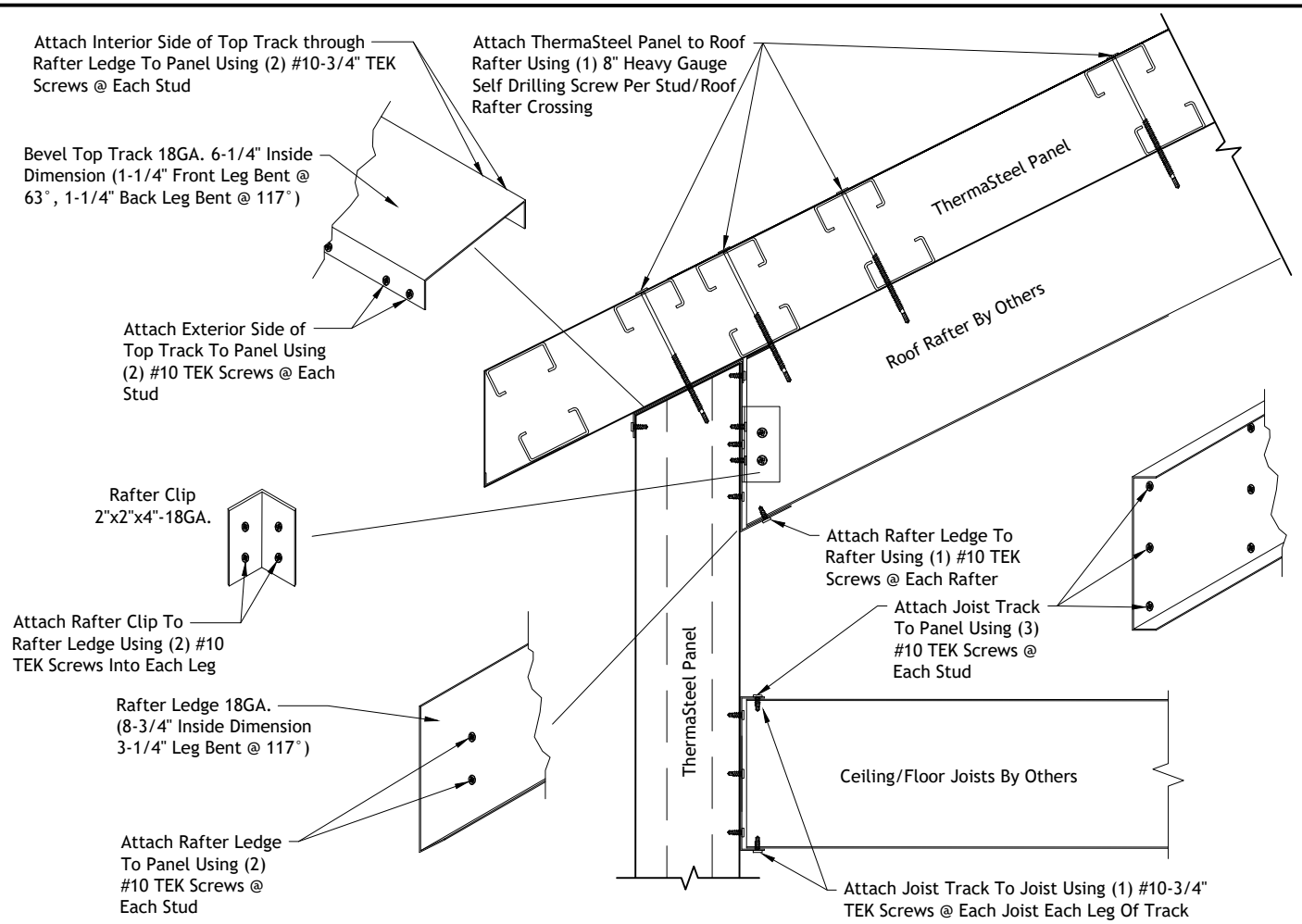

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Metal Rafter/Joist To Wall And Roof Panel Connection - Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
RC-008

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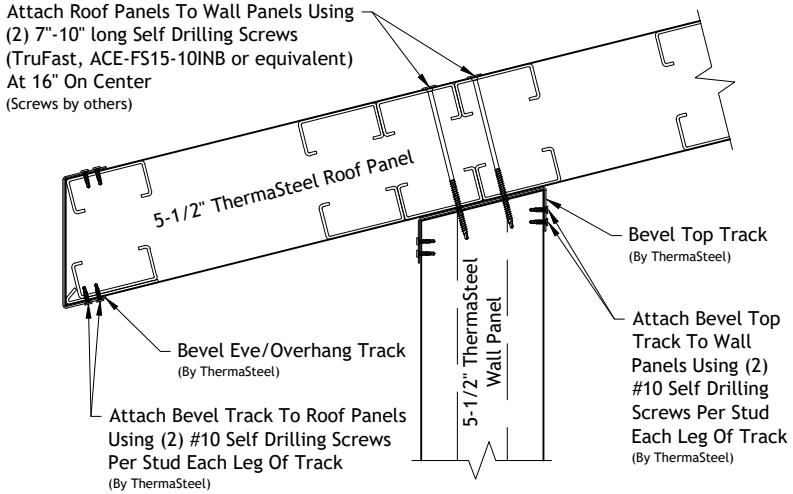
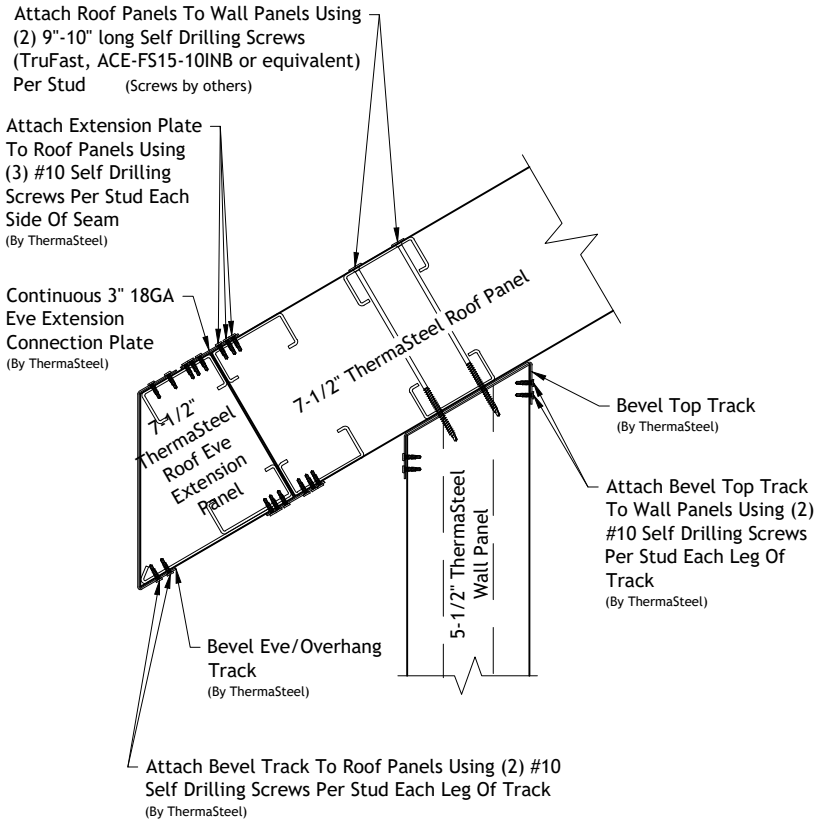


Eve Overhang



Roof Panel Eve Extension

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Overhang Of Roof Panel Connection Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
RC-009

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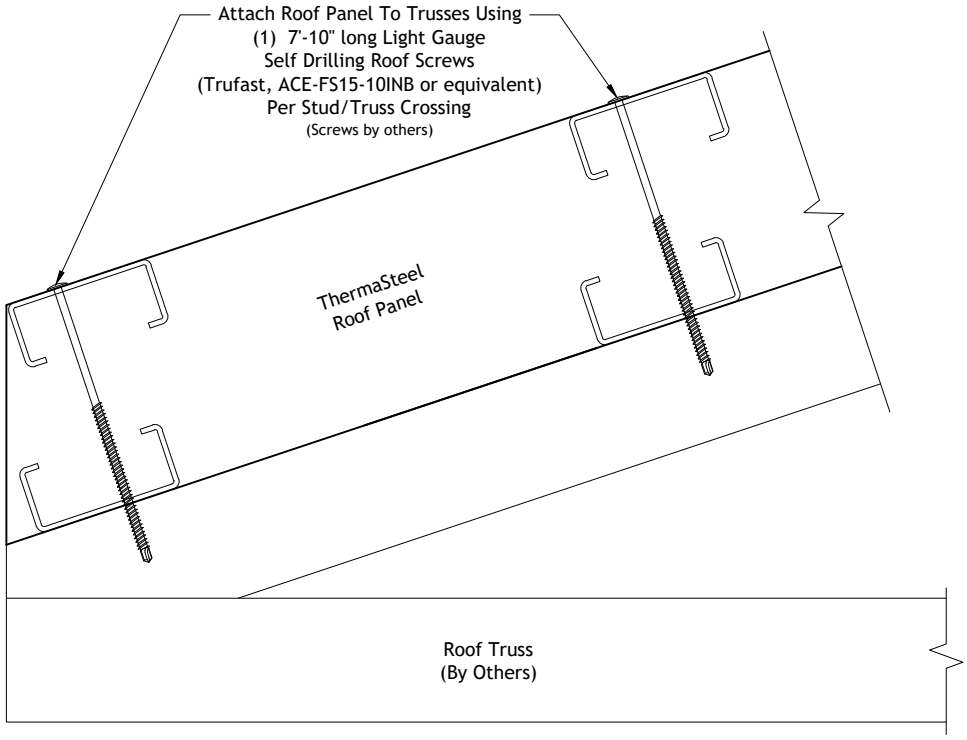

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Roof Panel To Truss Connection Section View

Not To Scale

Rev: 11/30/2021

Drawing Number

RC-010

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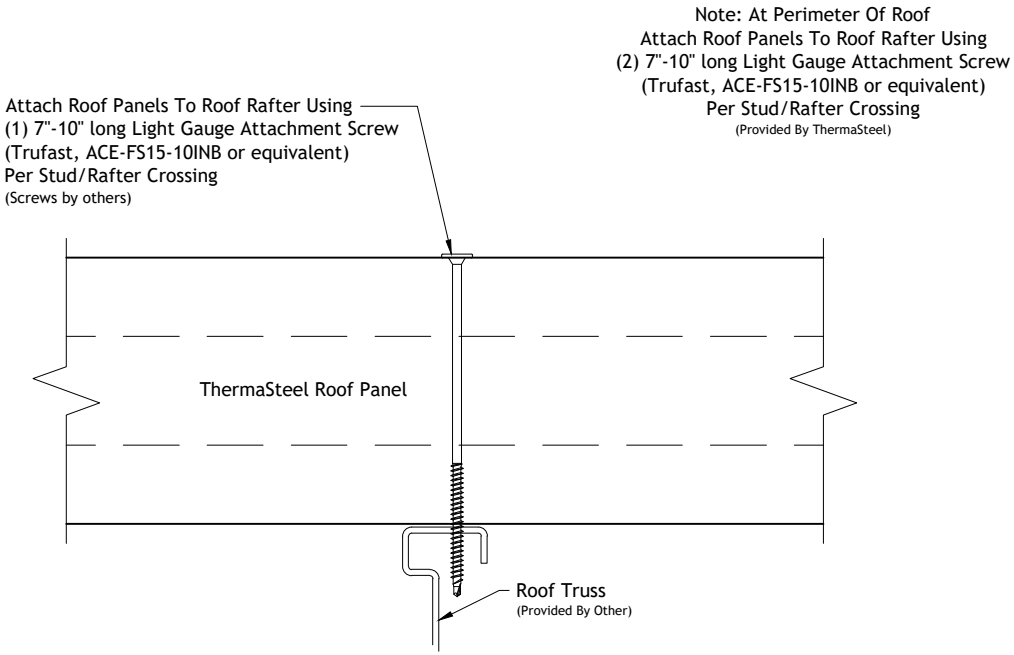

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Roof Panel To Metal Truss Connection Section View

Not To Scale

Rev: 11/30/2021

Drawing Number
RC-011

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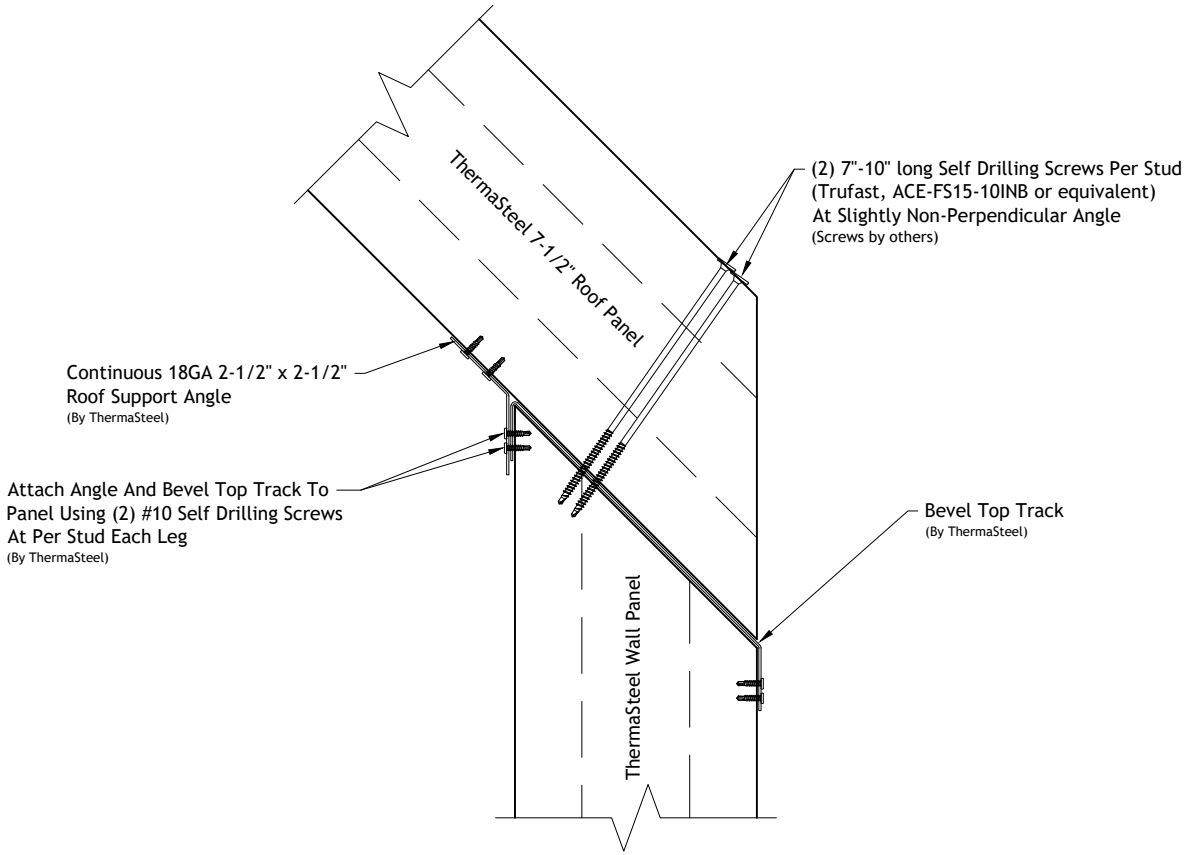

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Wall To Flush Roof Panel Connection Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
RC-012

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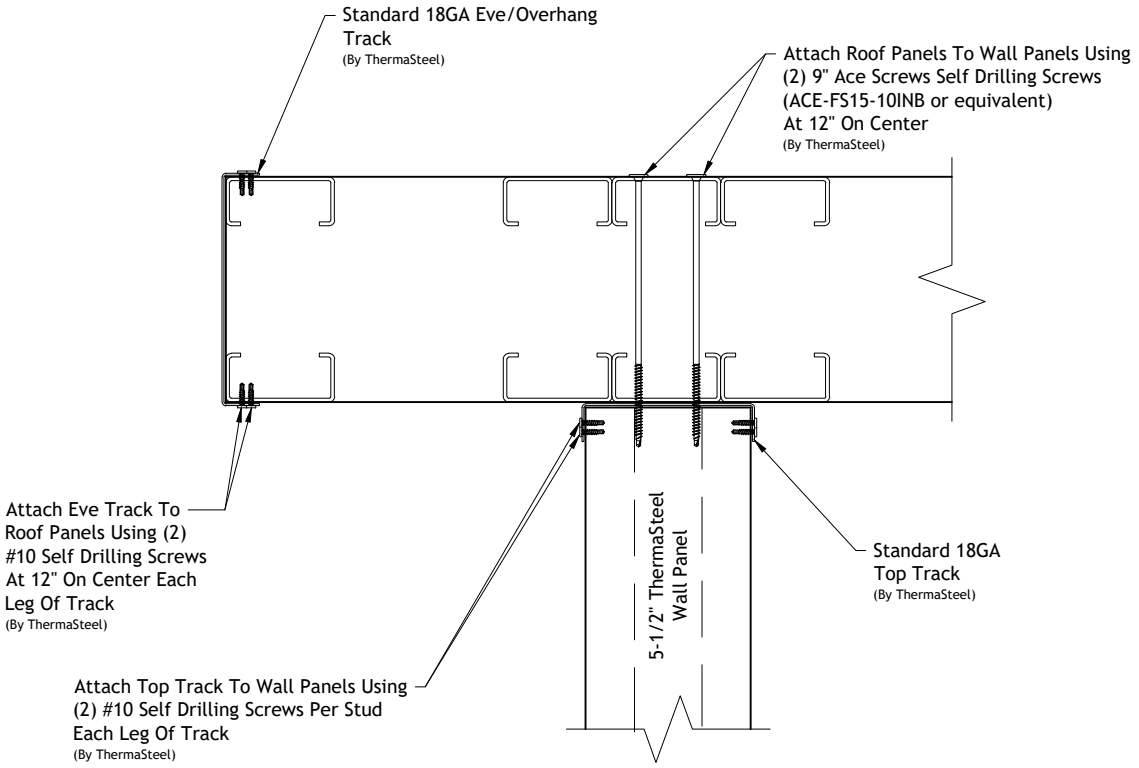

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Roof Panel Connection At Gable End With Overhang - Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
RC-013

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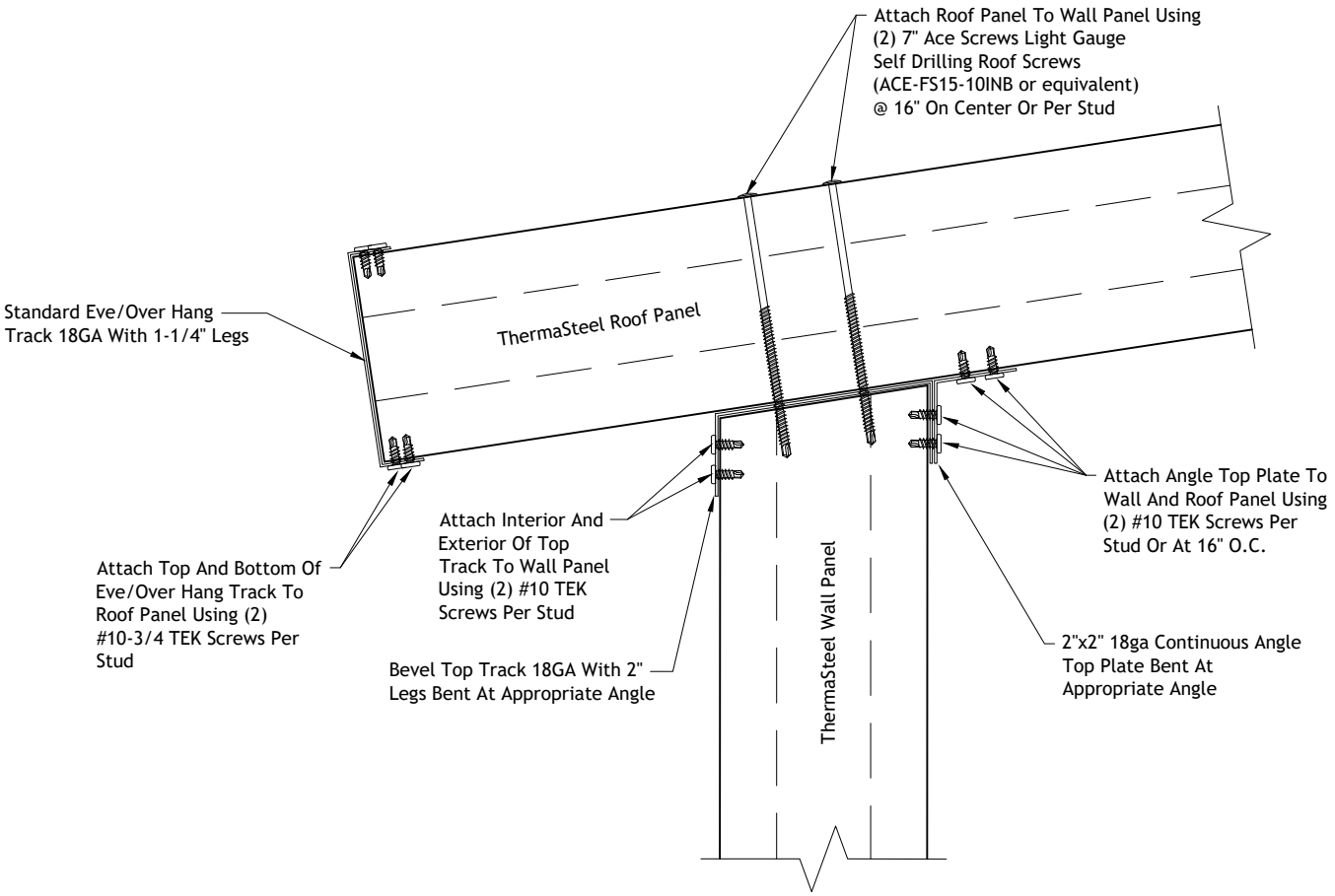

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Roof Panel With Overhang And Reinforced Top Plate Connection, High Wind Speed - Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
RC-014

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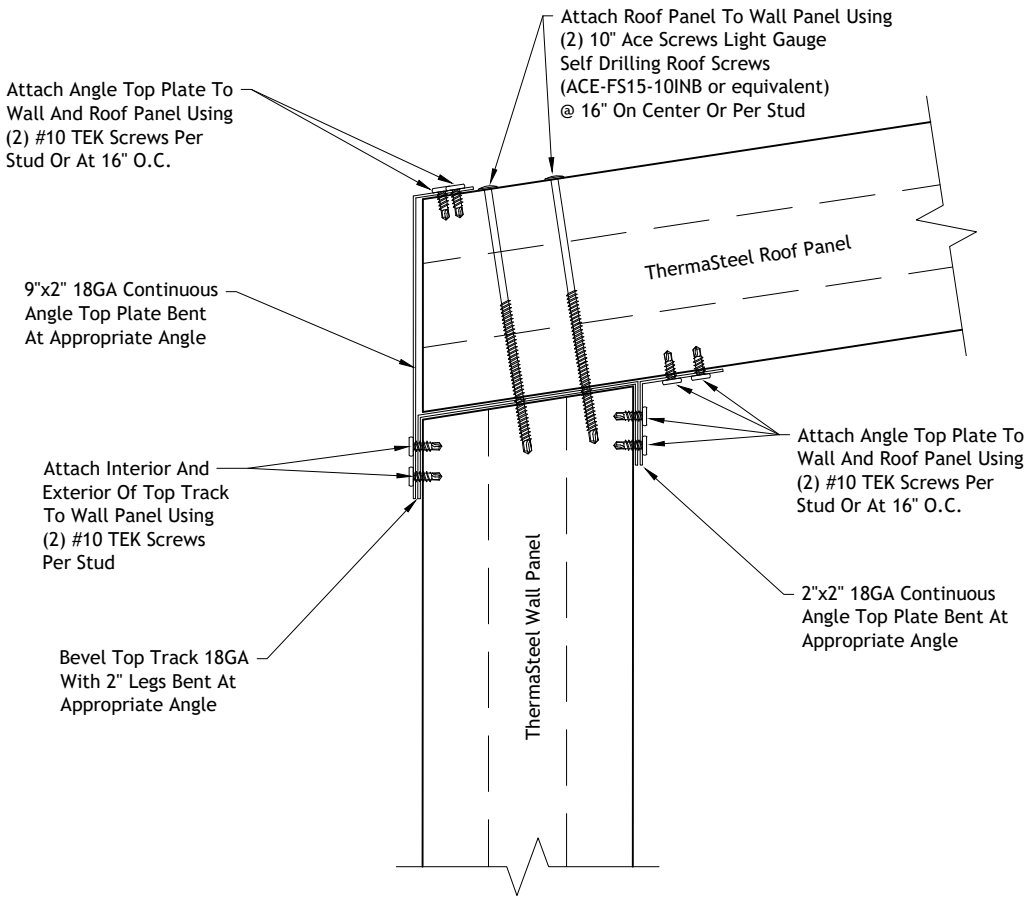

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Flush Roof Panel And Reinforced Top Plate Connection, High Wind Speed - Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
RC-015

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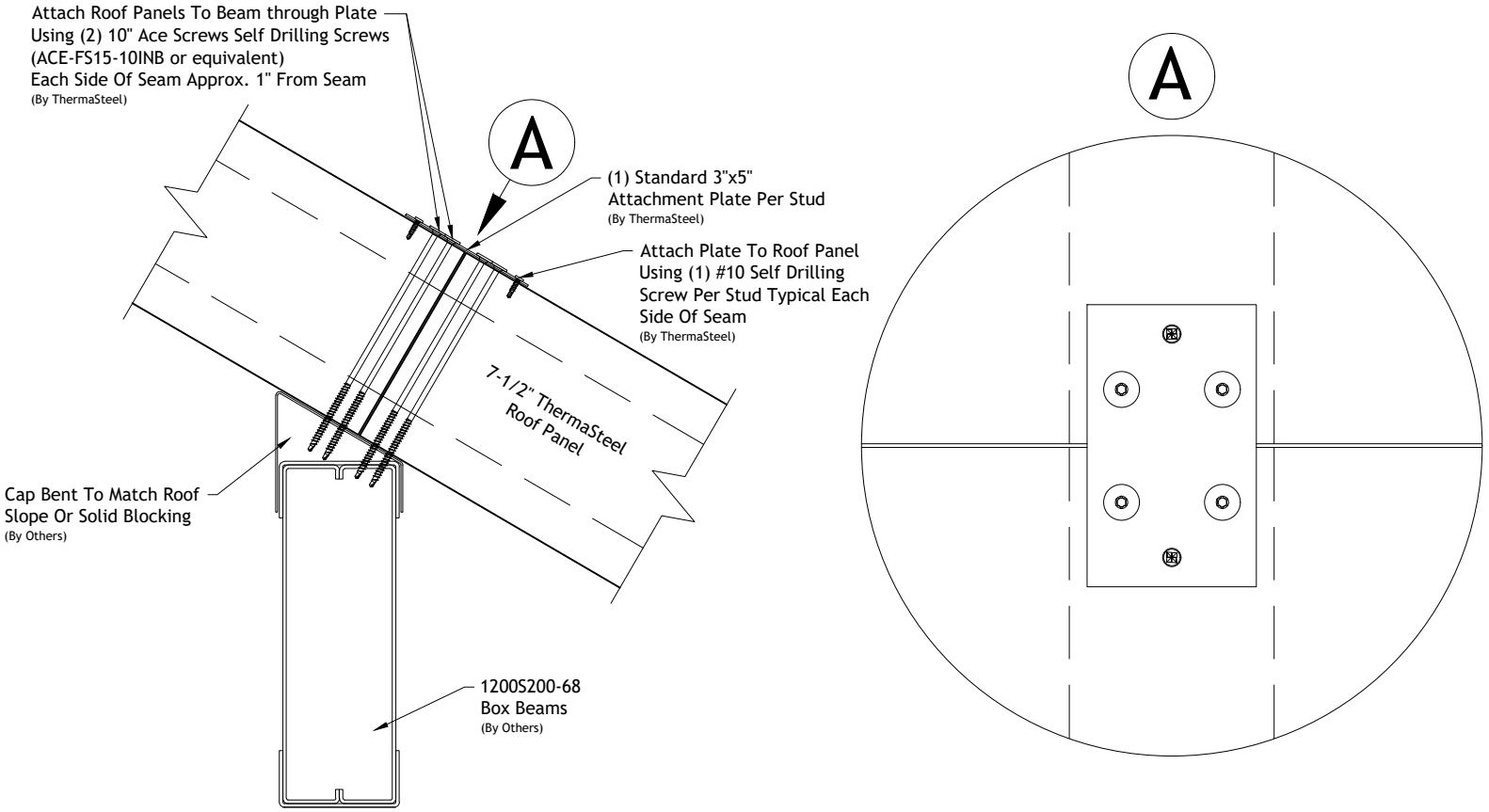

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Roof Panel Connection To Wall Over Boxed Beam - Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
RC-016

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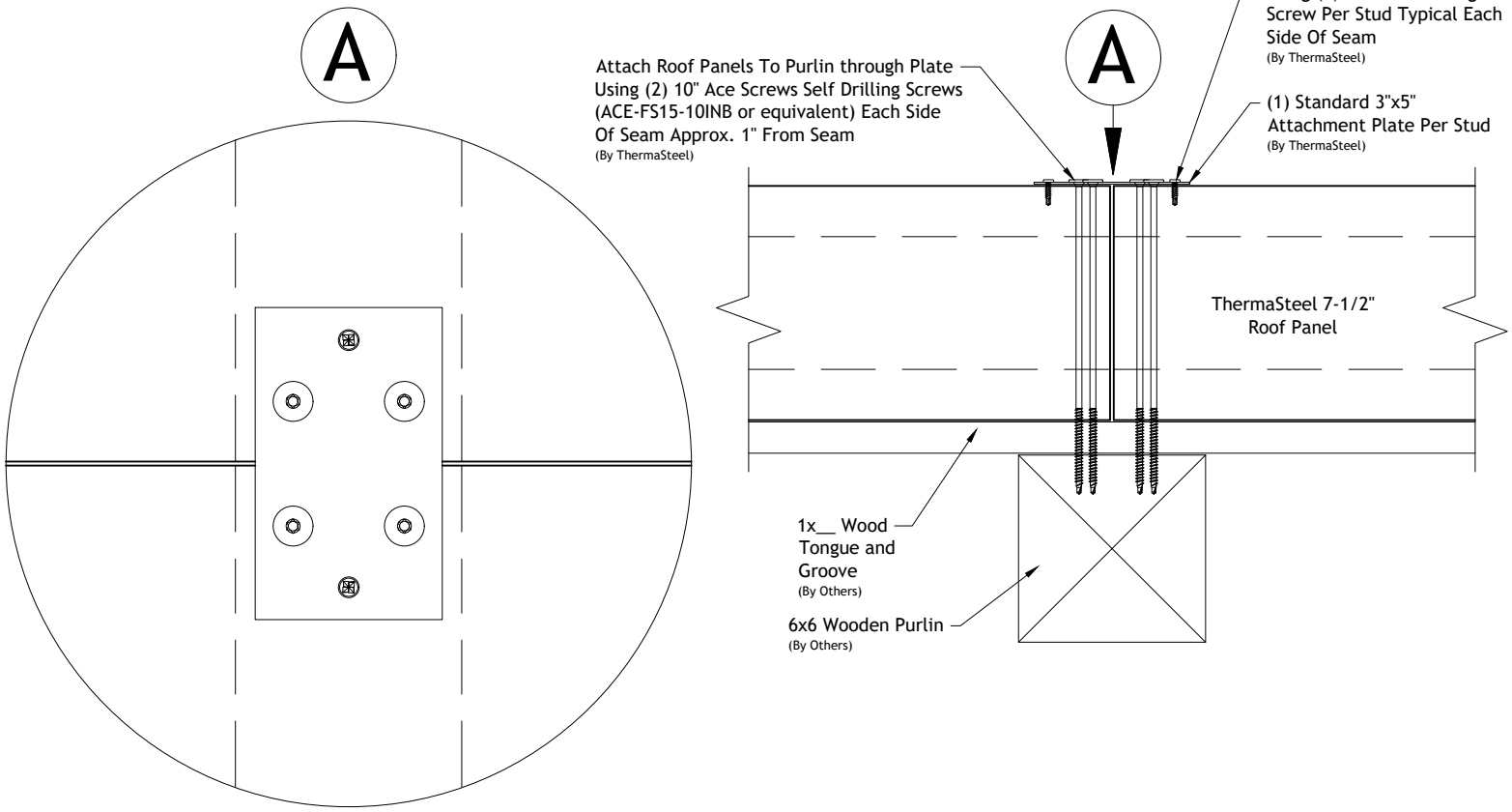

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Roof Panel To Panel Connection At Purlin Section View

Not To Scale

Rev: 11/30/2021

Drawing Number

RC-017

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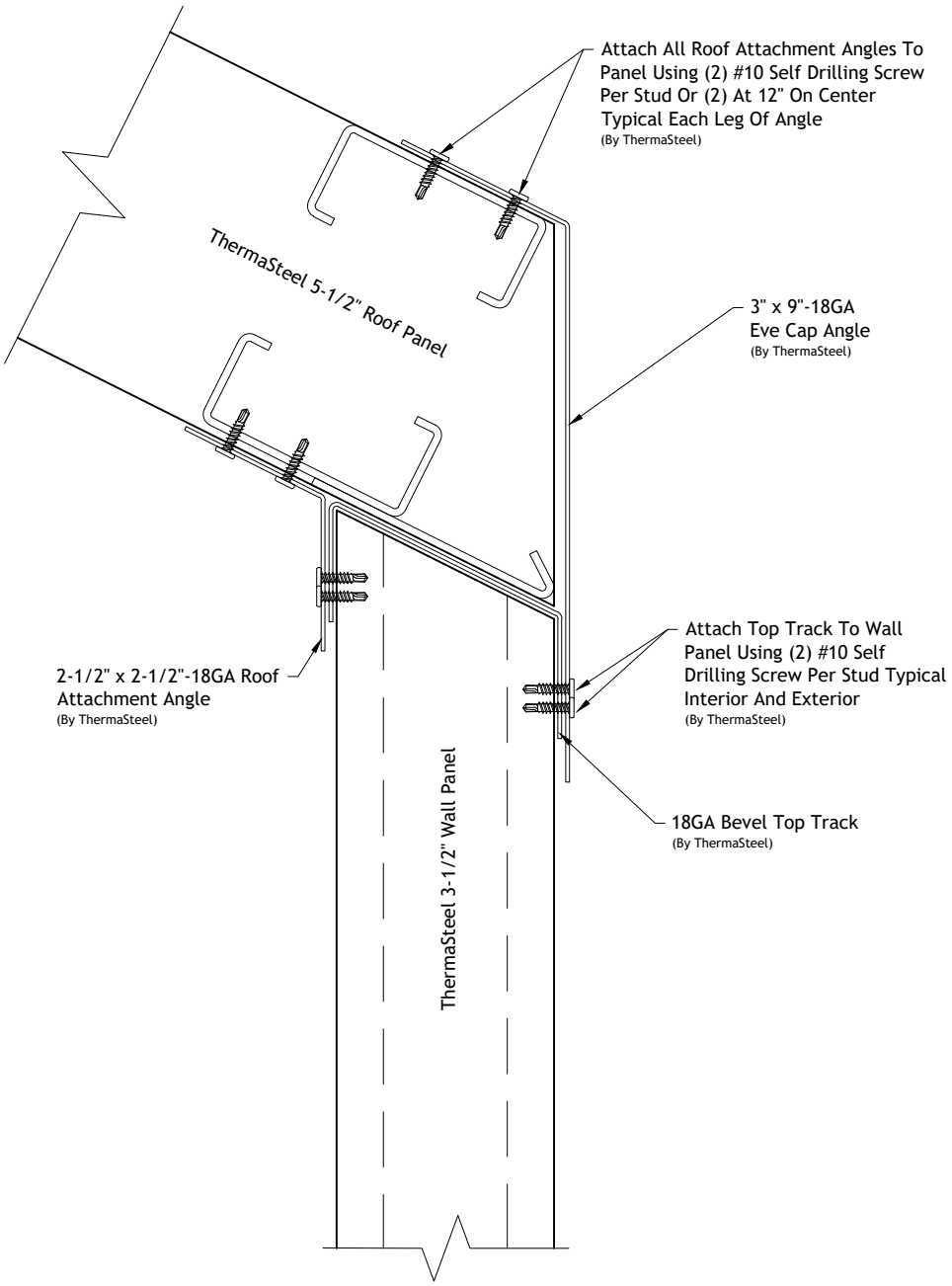

THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Roof Panel At Eve/Peak End Connection Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
RC-018

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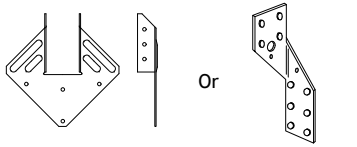
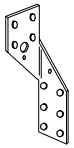


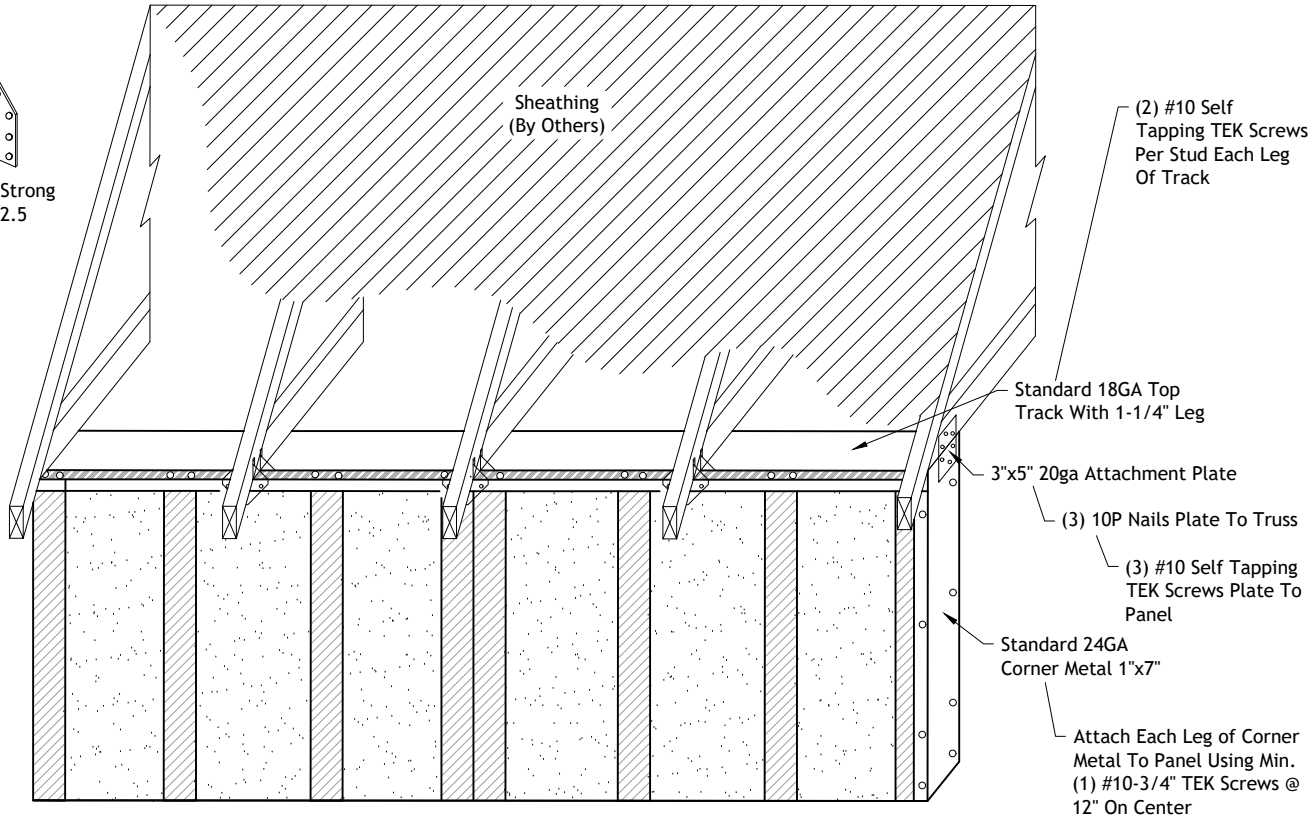
Simpson Strong Tie H1

Or



Simpson Strong Tie H2.5

- #10-3/4" TEK Screws Through Bracket Into Panel As Required
- Simpson N10 Nails Through Bracket Into Truss As Required



THERMASTEEL™
ADVANCED PANEL SYSTEM

Roof Connections

Typical Roof Truss To Wall Panel Connection

Not To Scale

Rev: 11/30/2021

Drawing Number

RC-019

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Special Panels

SP-001 Horizontal Bevel Panel Detail

SP-002 Vertical Bevel Panel Detail

SP-003 Structural Overhang Panel Detail

SP-004 Hurricane Panel Detail

SP-005 Ceiling Panel Detail

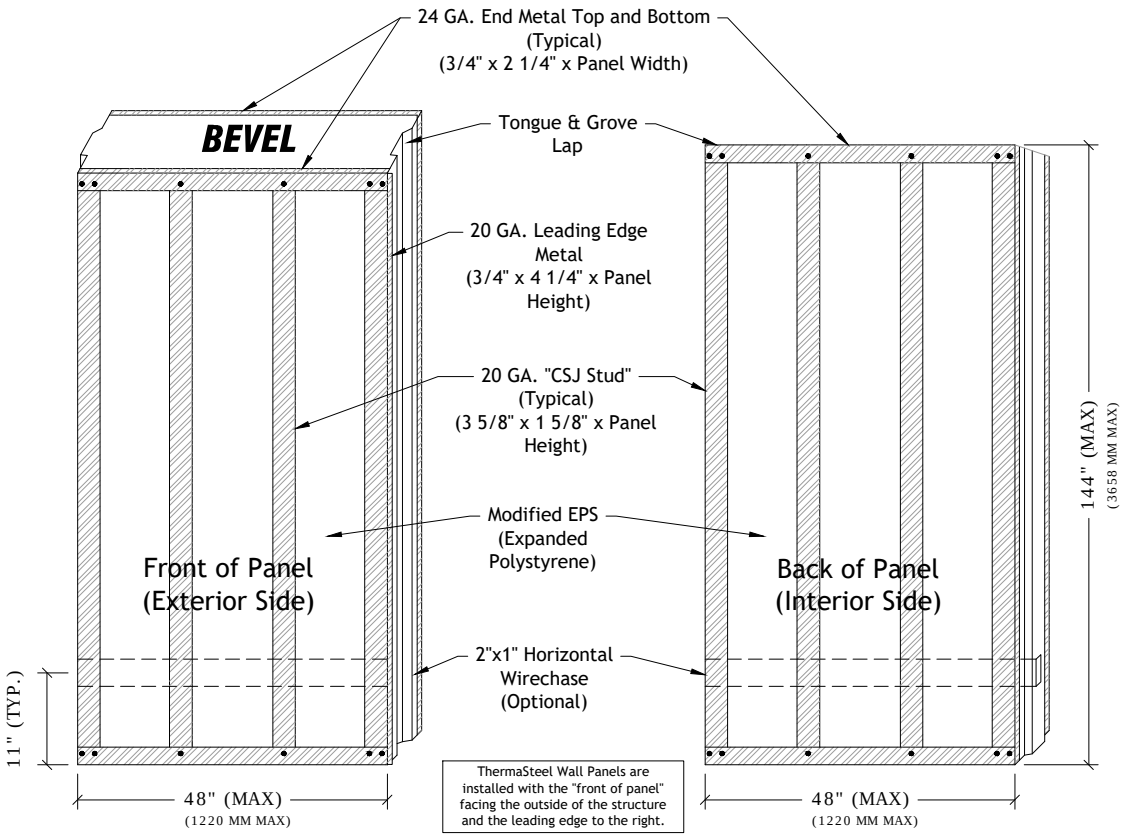
SP-006 Typical Ceiling Panel Connection - Section View

SP-007 Typical STC Rated Assemblies

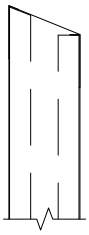
SP-008 Shear Panel Detail (Exploded View)

SP-009 Reinforced Opening for High Wind Load

Back To Connection Detail Chapters



PANEL ELEVATION



Panel Section With 24GA
Angle Fillers

SIDE VIEW

FOR ALL PANEL THICKNESSES
(ALL DIMENSIONS TAKEN FROM EXTERIOR SURFACE)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Special Panels

Horizontal Bevel Panel Detail

Not To Scale
Rev: 11/30/2021
Drawing Number
SP-001

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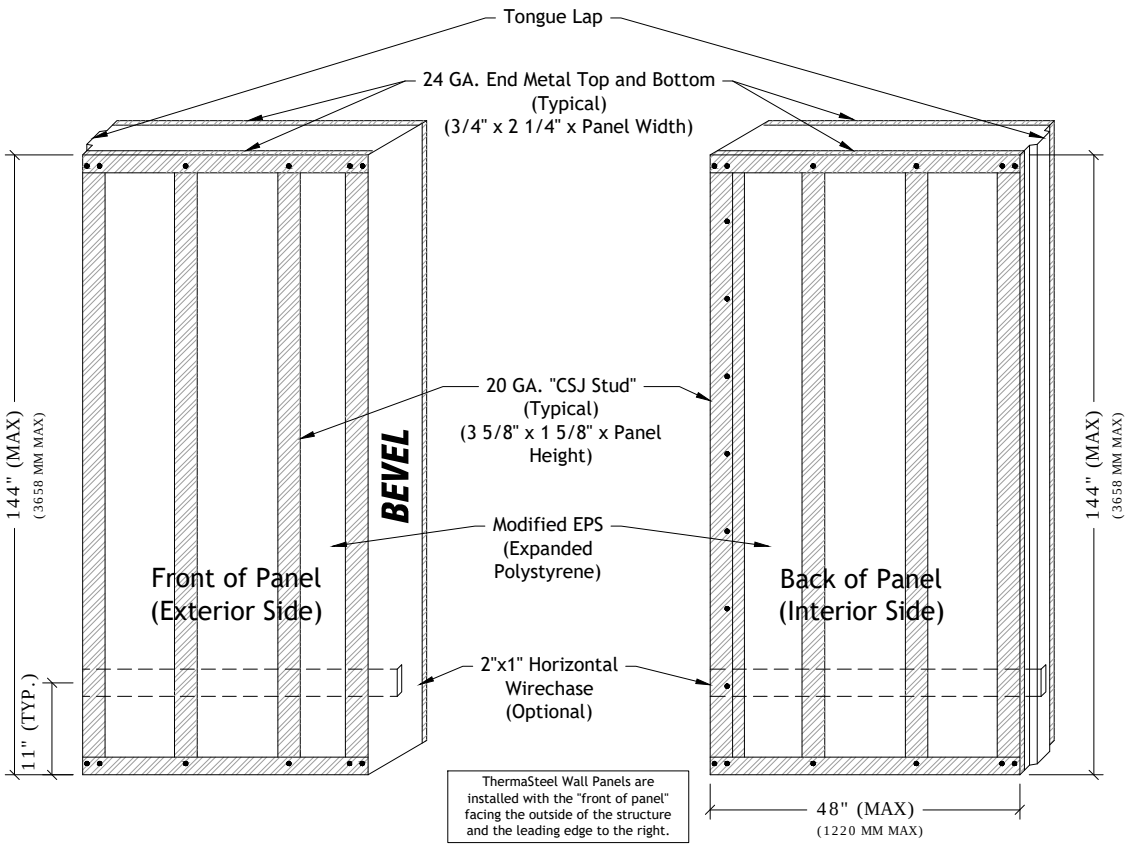
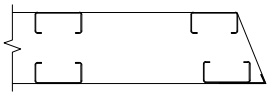
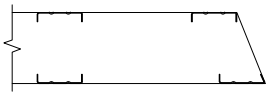


PANEL ELEVATION



All Gauge CSJ Panel
Section With 20GA
Angle Filler



24 Gauge TS Panel
Section With Bent Stud Legs

FOR ALL PANEL THICKNESSES
(ALL DIMENSIONS TAKEN FROM EXTERIOR SURFACE)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Special Panels

Vertical Bevel Panel Detail

Not To Scale
Rev: 11/30/2021
Drawing Number
SP-002

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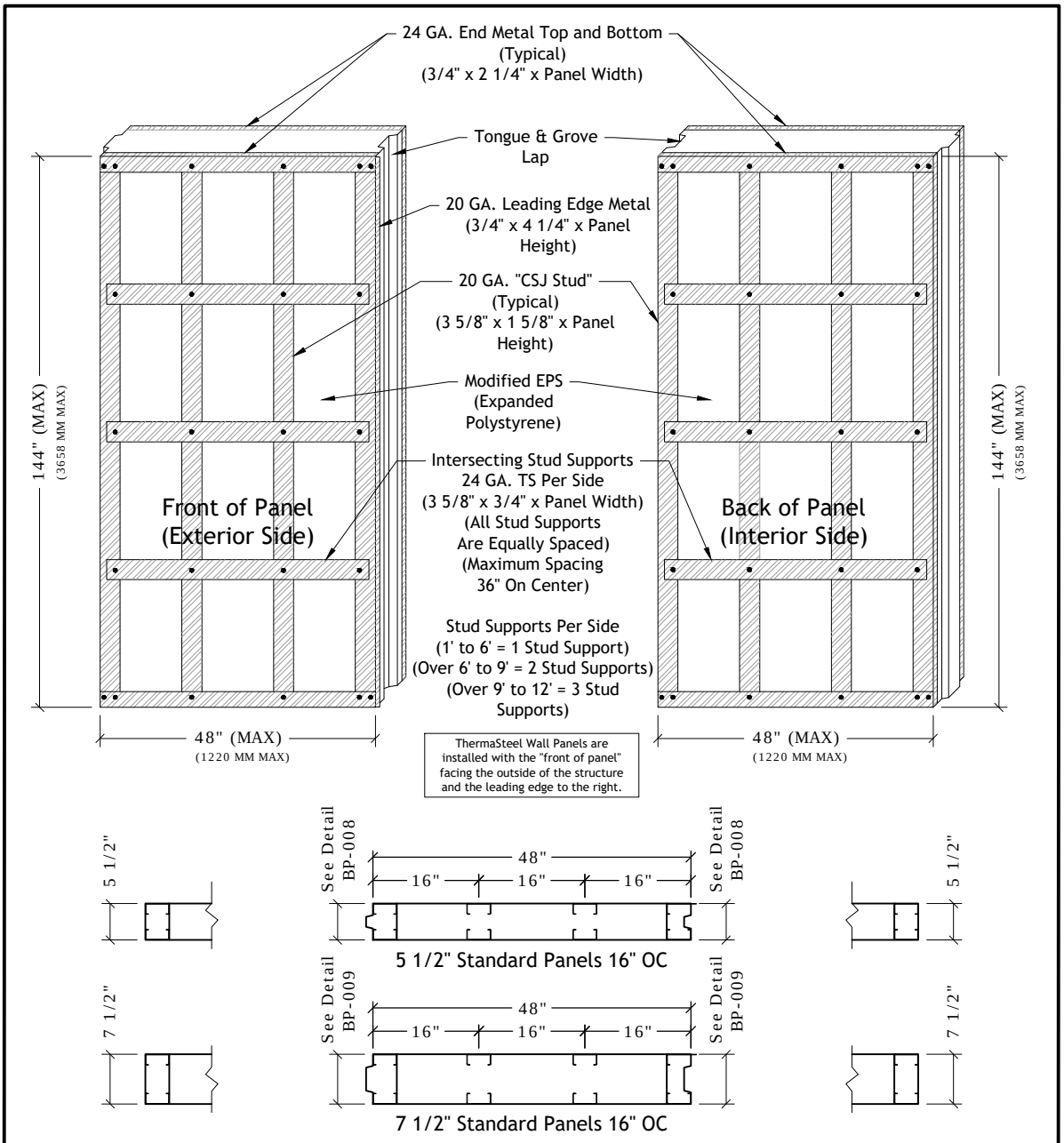

FOR ALL PANEL THICKNESSES
(ALL DIMENSIONS TAKEN FROM EXTERIOR SURFACE)
(WIRE CHASES NOT TYPICAL ON THIS PANEL, INSTALLED UPON REQUEST)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Special Panels

Structural Overhang Panel Detail

Not To Scale
8/22/2023
Drawing Number
SP-003

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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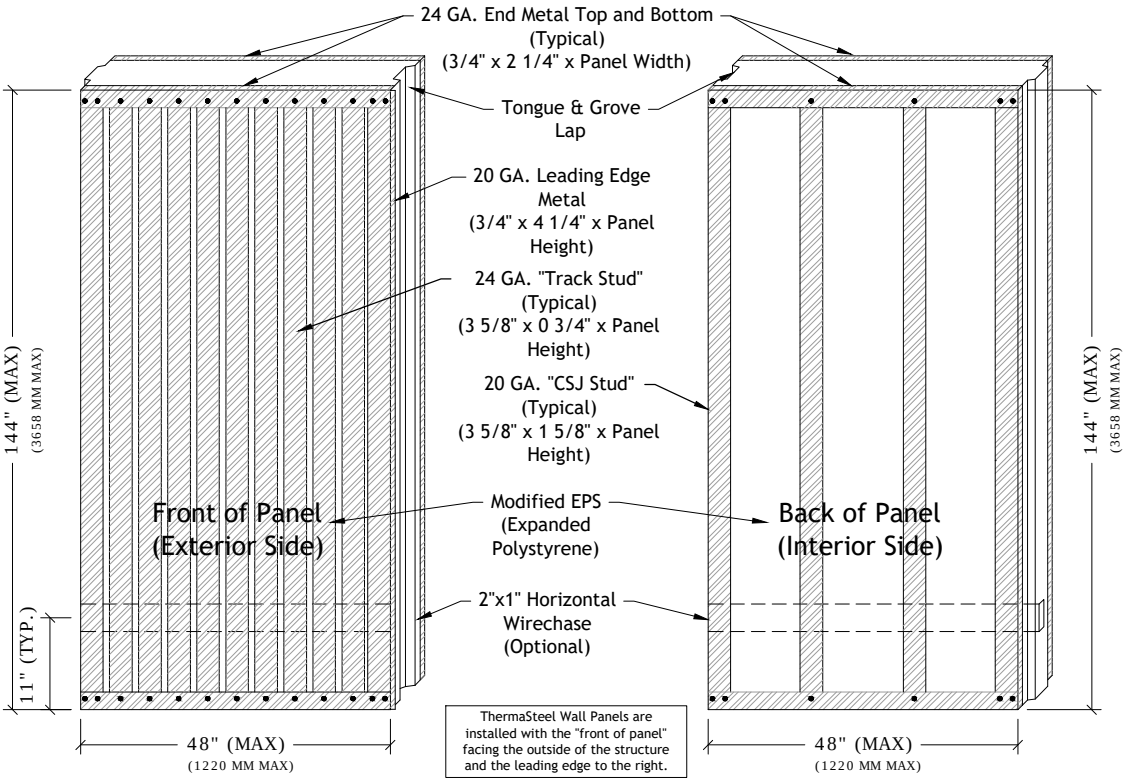
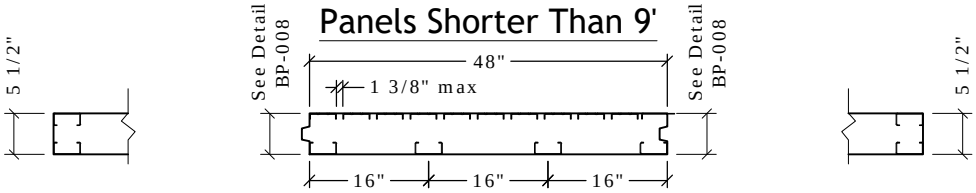
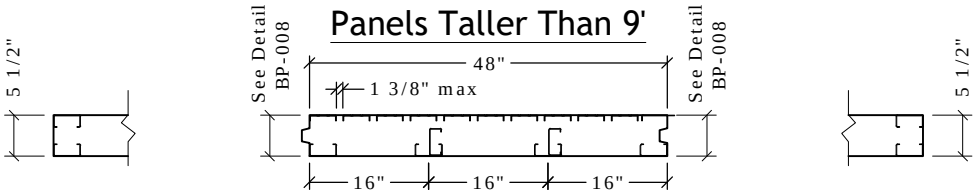


PANEL ELEVATION



5 1/2" Hurricane Panels
Moving side 1-3/8" Max Spacing Between Studs
Stationary Side 16" On Center



5 1/2" Hurricane Panels
Moving side 1-3/8" Max Spacing Between Studs
Stationary Side 16" On Center
Wire Chase Not Available for Panels Taller Than 9' (C600)

NO LAP LEFT

BOTTOM VIEW

NO LAP RIGHT

FOR 5-1/2" AND 7-1/2" PANEL THICKNESSES ONLY
(ALL DIMENSIONS TAKEN FROM EXTERIOR SURFACE)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Special Panels

Hurricane Panel Detail

Not To Scale
9/26/2023
Drawing Number
SP-004

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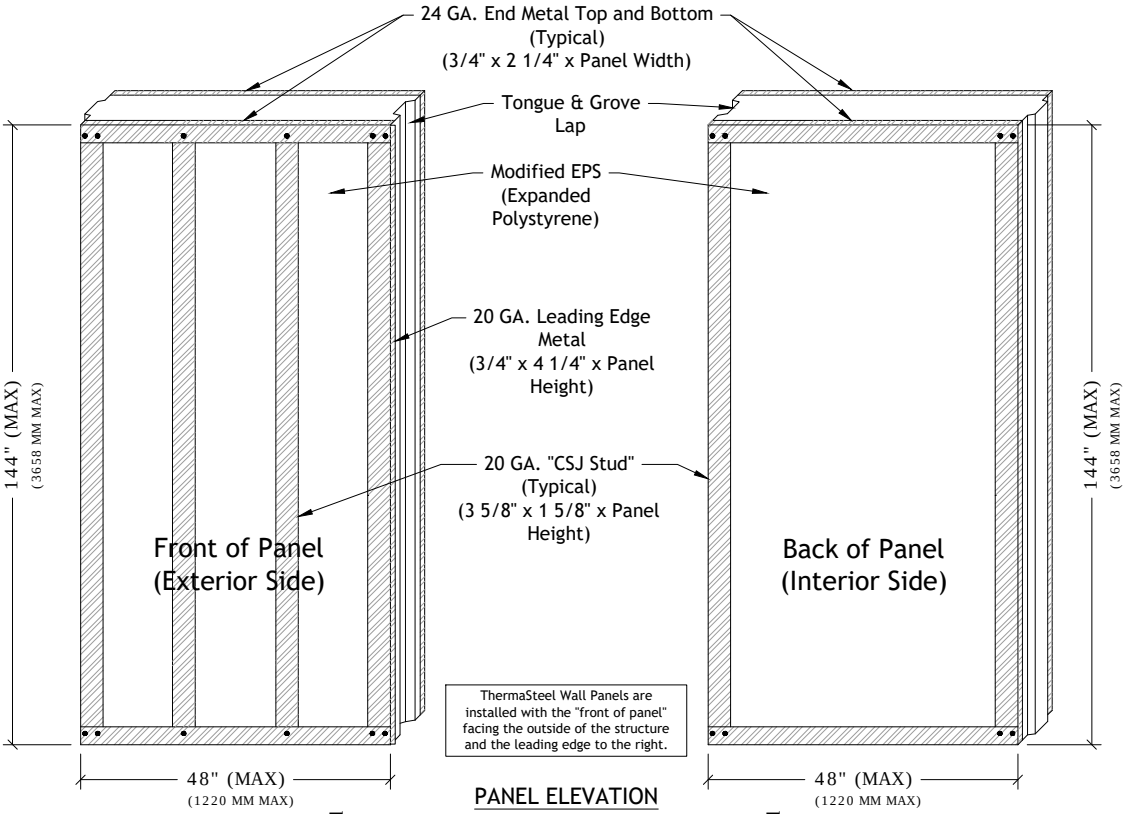
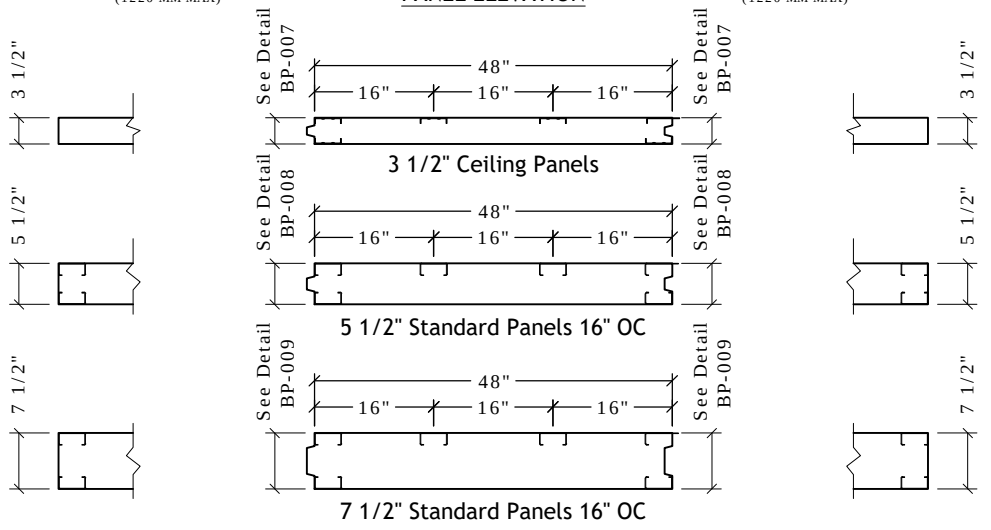


PANEL ELEVATION



NO LAP LEFT

BOTTOM VIEW

NO LAP RIGHT

FOR ALL PANEL THICKNESSES
(ALL DIMENSIONS TAKEN FROM EXTERIOR SURFACE)
(WIRE CHASES NOT TYPICAL ON THIS PANEL, INSTALLED UPON REQUEST)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Special Panels

Ceiling Panel Detail

Not To Scale

9/26/2023

Drawing Number

SP-005

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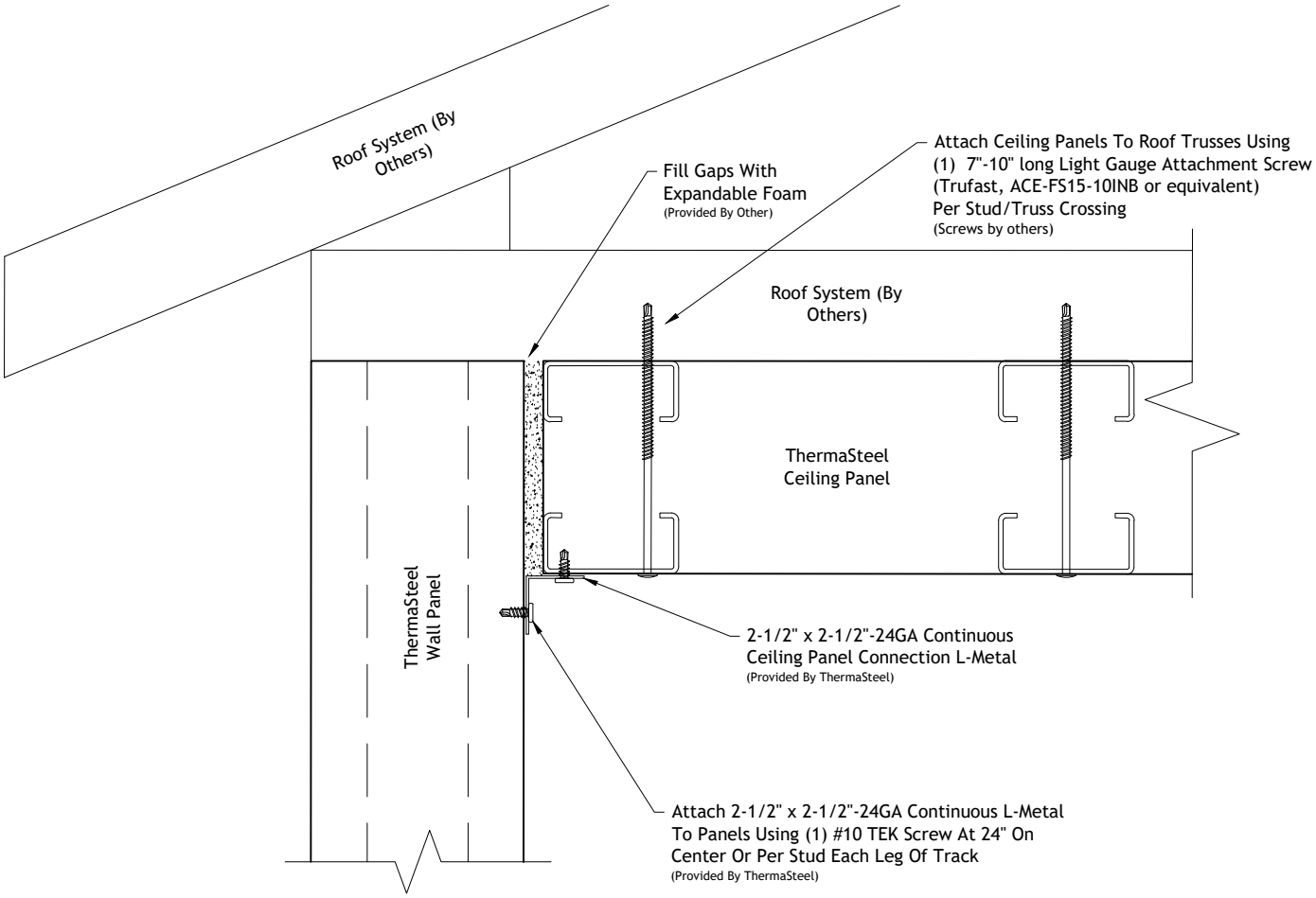

THERMASTEEL™
ADVANCED PANEL SYSTEM

Special Panels

Typical Ceiling Panel Connection

Not To Scale
Rev: 11/30/2021
Drawing Number
SP-006

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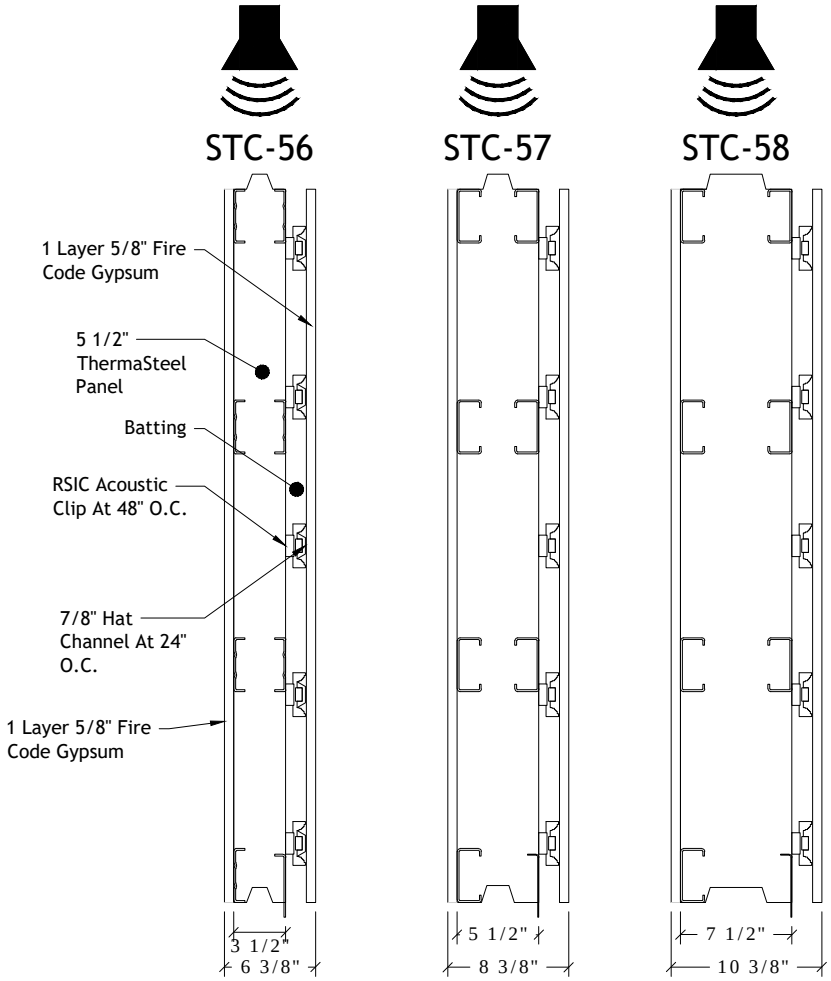
CONSTRUCTION

- 1 Layer 15mm MGO/Gypsum
- ThermaSteel Panel (3 1/2", 5 1/2", 7 1/2")
- RSIC - 1 Clips at 48" O.C.
- 7/8" Furring Channel at 24" O.C.
- 1 Layer 15mm MGO/Drywall

RSIC-1 Clip

C:\ThermaSteel\Projects\In House\Connection Details\RSIC-1-Pic-1.jpg

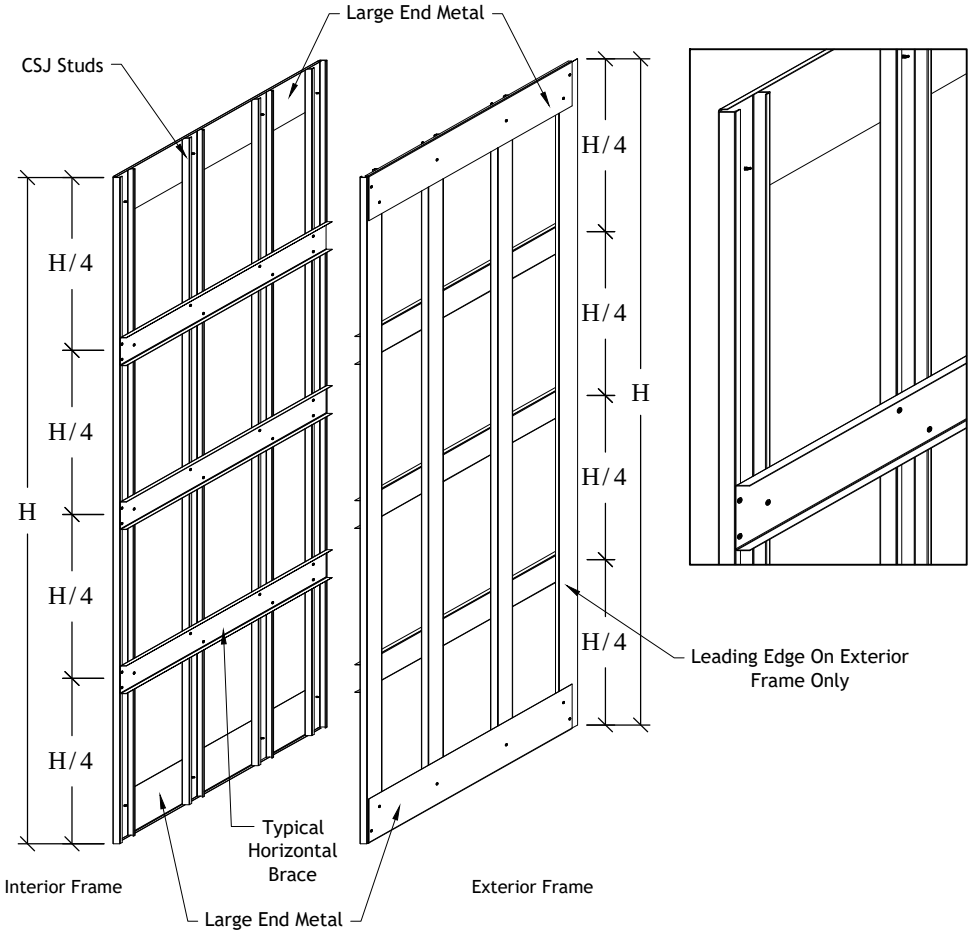


THERMASTEEL™
ADVANCED PANEL SYSTEM

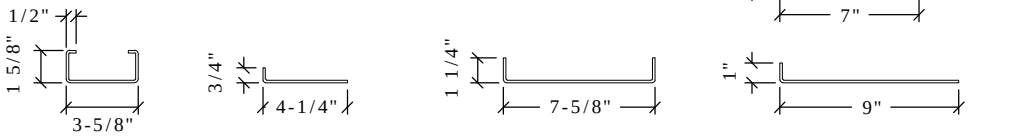
Special Panels

Typical STC Rated Assemblies

Not To Scale
Rev: 11/30/2021
Drawing Number
SP-007



(EPS Foam Not Shown For Clarity)



CSJ Stud
20 ; 18 ; 16 ; 14 Gauge

Leading Edge Metal
4 1/4" X 3/4" Matching Stud Gauge

Horizontal Brace
7-5/8" - 16 Gauge Track With 1-1/4" Leg

Large End Metal
20 ; 18 ; 16 Gauge
4-1/4" X 3/4"
7" X 1"
9" X 1"

THERMASTEEL™
ADVANCED PANEL SYSTEM

Special Panels

Shear Panel Detail
(Exploded View)

Not To Scale
Rev: 11/30/2021
Drawing Number
SP-008

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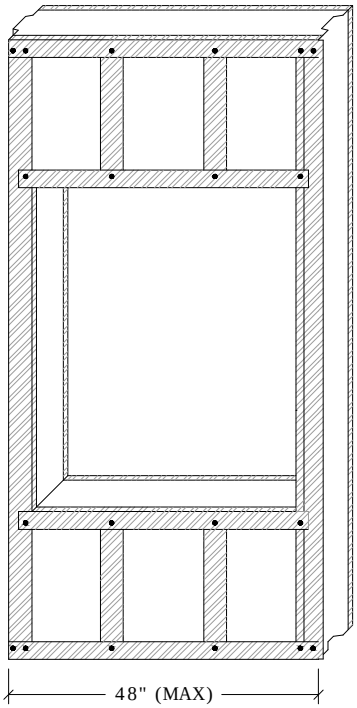
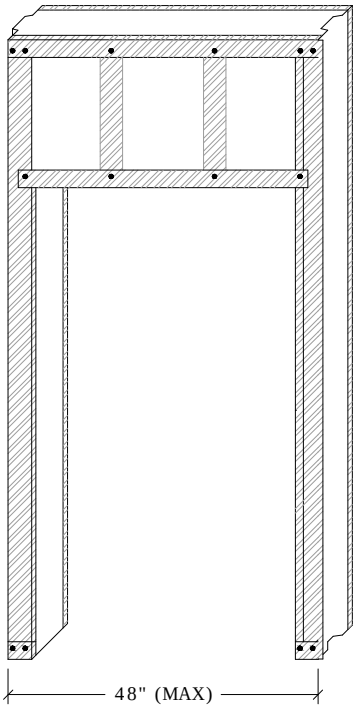
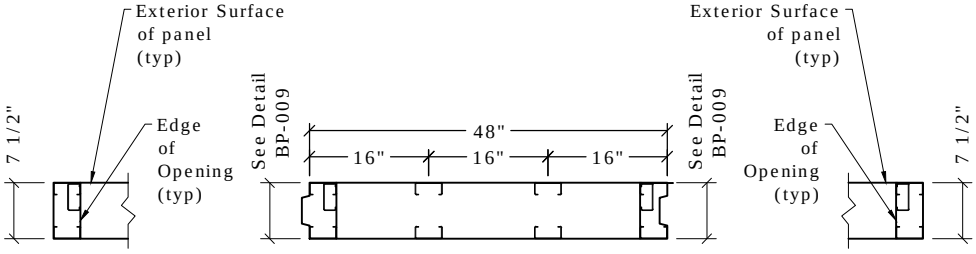


Window Panel - Exterior



Door Panel - Exterior

PANEL ELEVATION



7 1/2" Panels 16" OC w/ C-600 stud

NO LAP LEFT | BOTTOM VIEW | NO LAP RIGHT

**A C-600 Stud is applied as a stiffener
to the exterior face of the panel
for HIGH WIND LOAD**

THERMASTEEL™
ADVANCED PANEL SYSTEM

Special Panel

Reinforced Opening
for High Wind Load

Not To Scale
Rev: 8/22/2023
Drawing Number
SP-009

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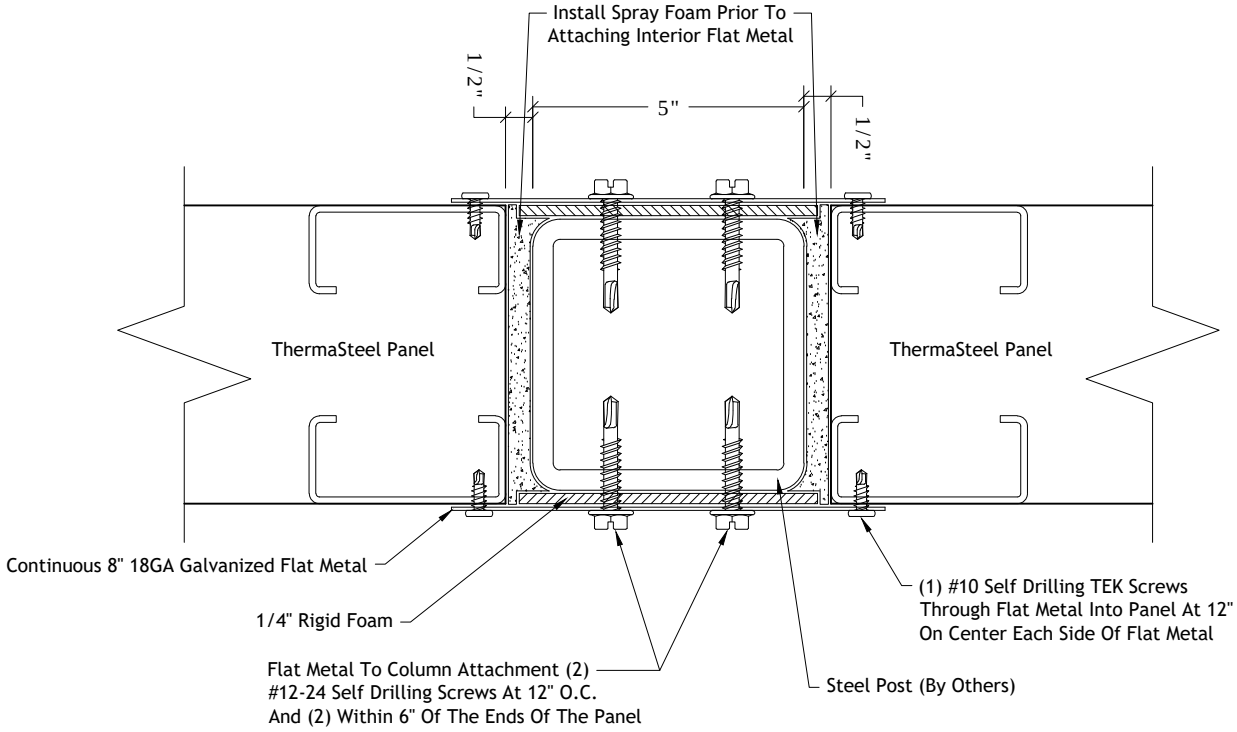
Connections To Other Building Systems

Back To Connection Detail Chapters



Attachment Typical Interior and
Exterior

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

In-Place Panel To Steel Column Connection

Not To Scale

Rev: 11/30/2021

Drawing Number
CB-001

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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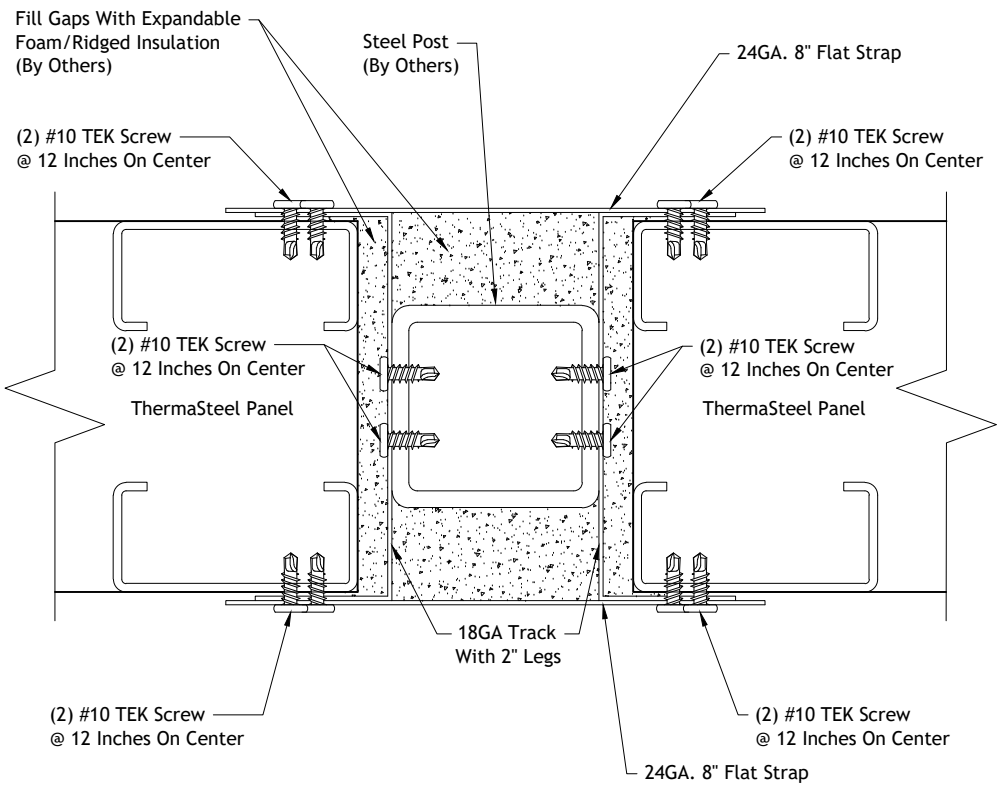

Attachment Typical Interior and Exterior

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

In-Place Panel To Steel Column Connection Alternative

Not To Scale
Rev: 11/30/2021
Drawing Number
CB-002

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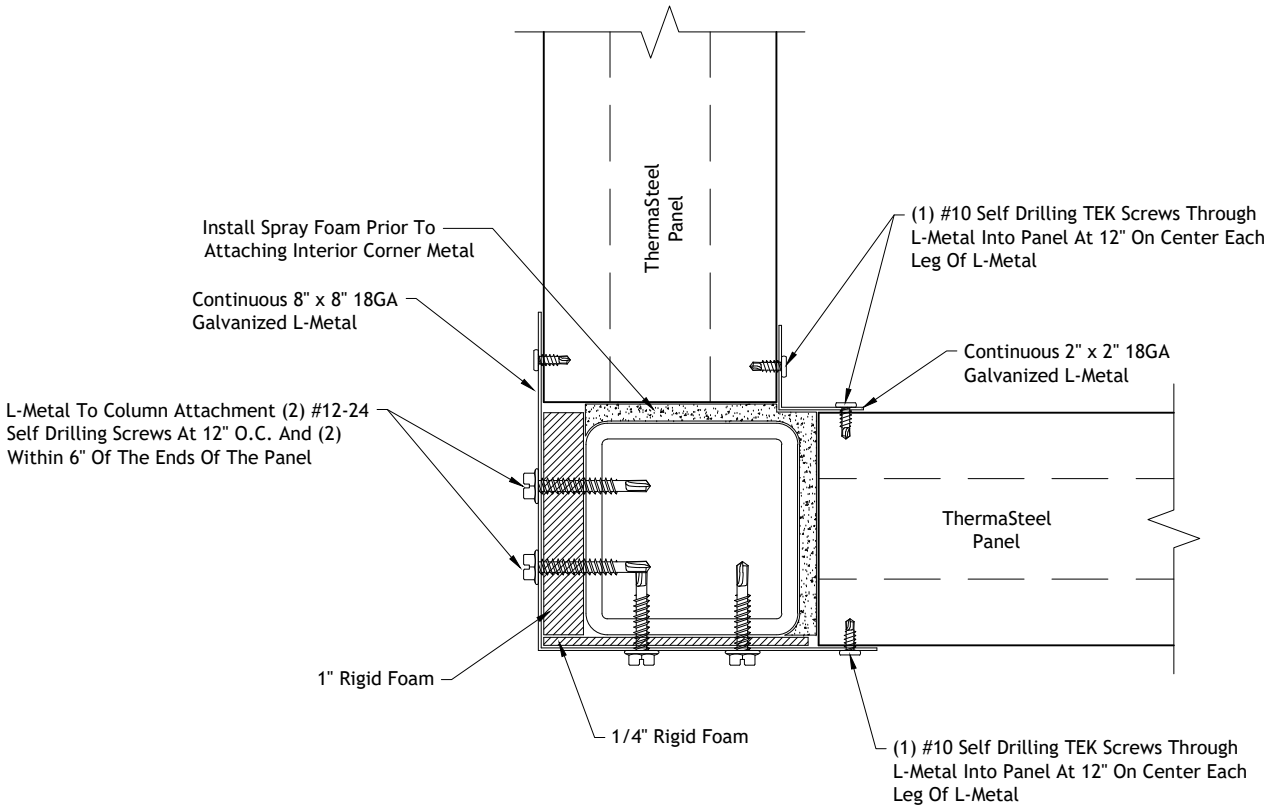

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Panel To Steel Column Corner Connection

Not To Scale
Rev: 11/30/2021
Drawing Number
CB-003

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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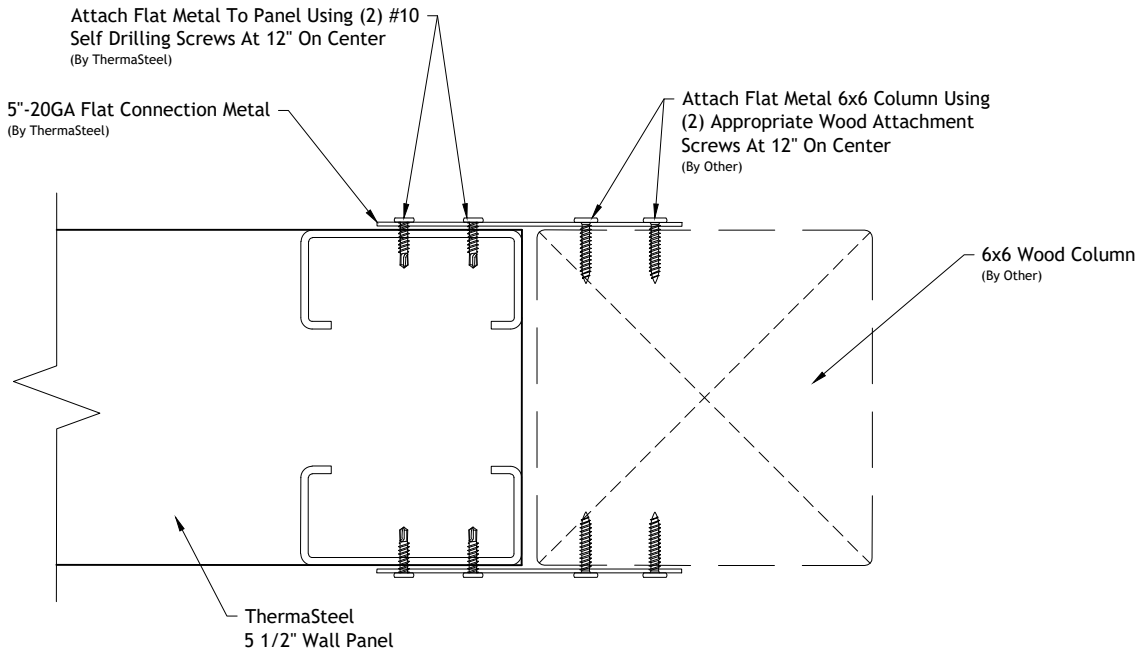

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Panel To Wood Column Connection

Not To Scale
Rev: 11/30/2021
Drawing Number
CB-004

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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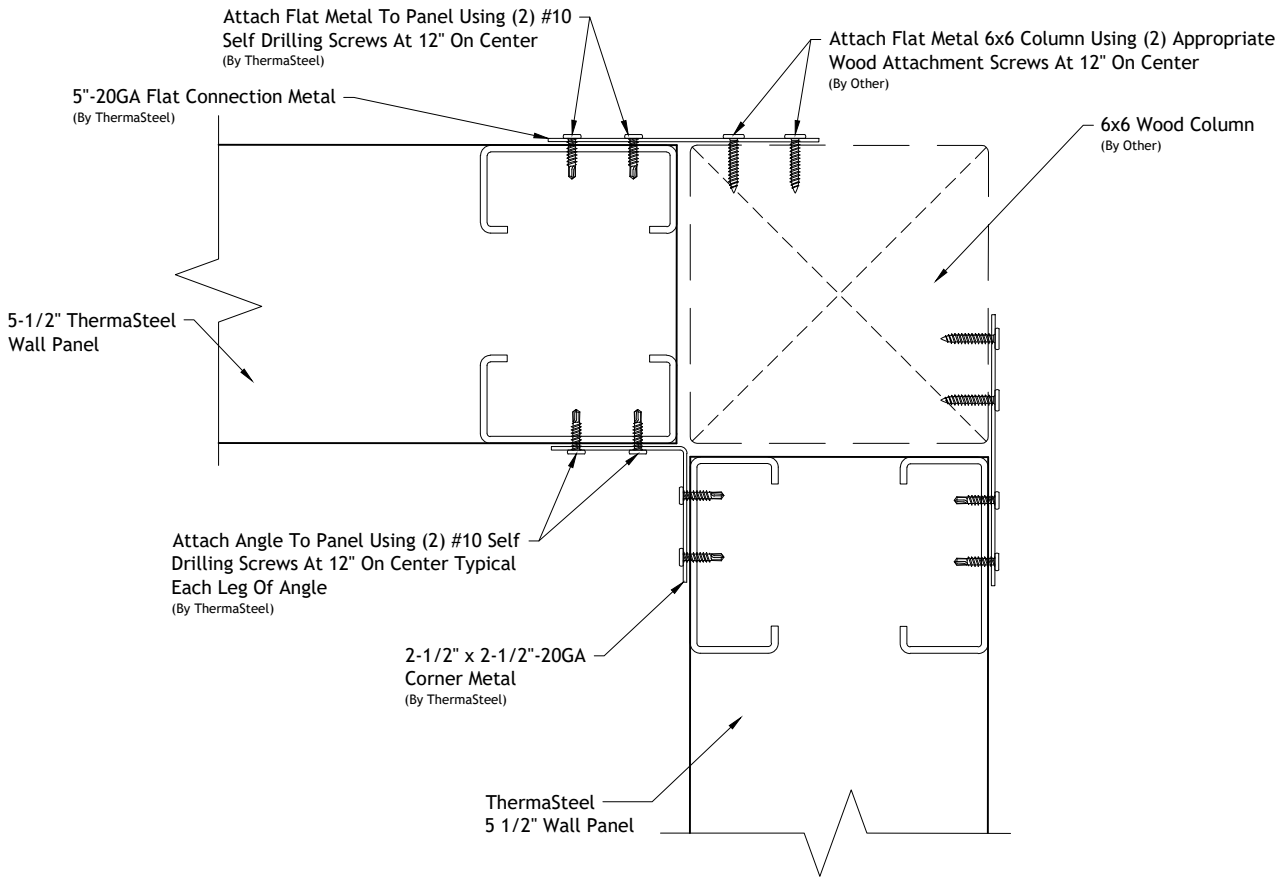

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Panel To Wood Column Corner Connection

Not To Scale
Rev: 11/30/2021
Drawing Number
CB-005

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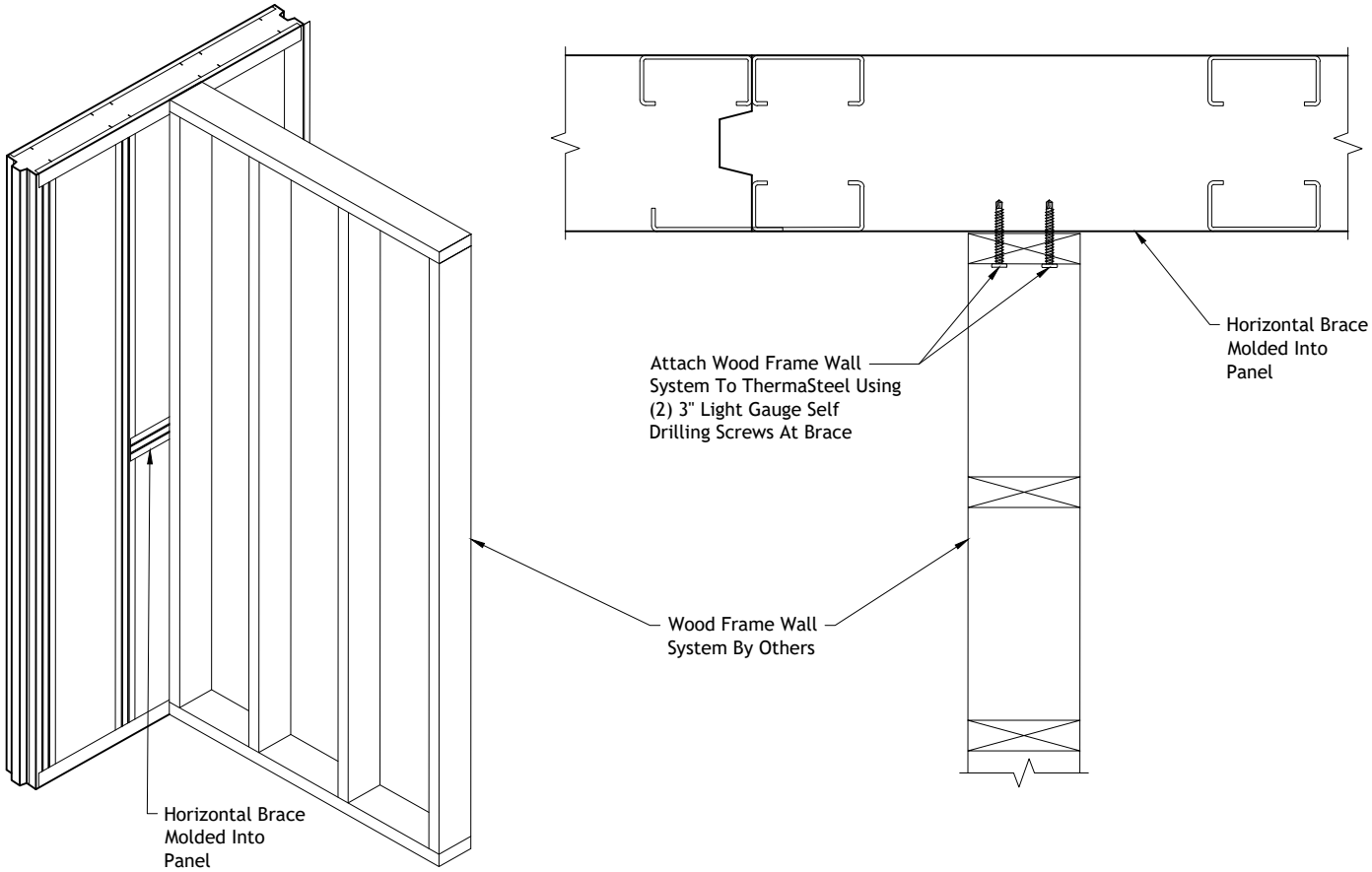

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Typical Panel To Intersecting Wood Framing Connection

Not To Scale

Rev: 11/30/2021

Drawing Number

CB-006

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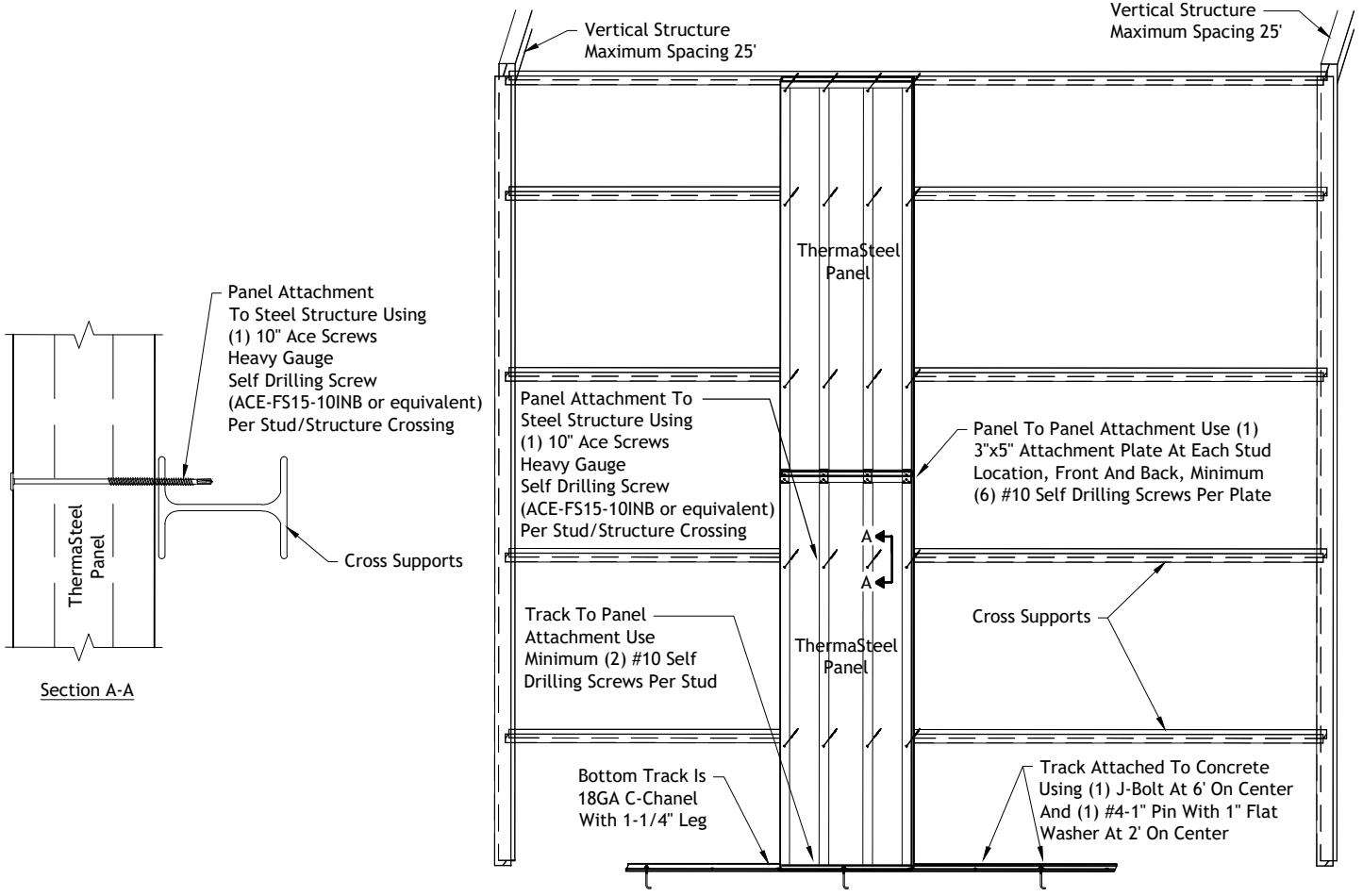

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Typical Panel To Steel Structure Connection
Industrial Building

Not To Scale

Rev: 11/30/2021

Drawing Number

CB-007

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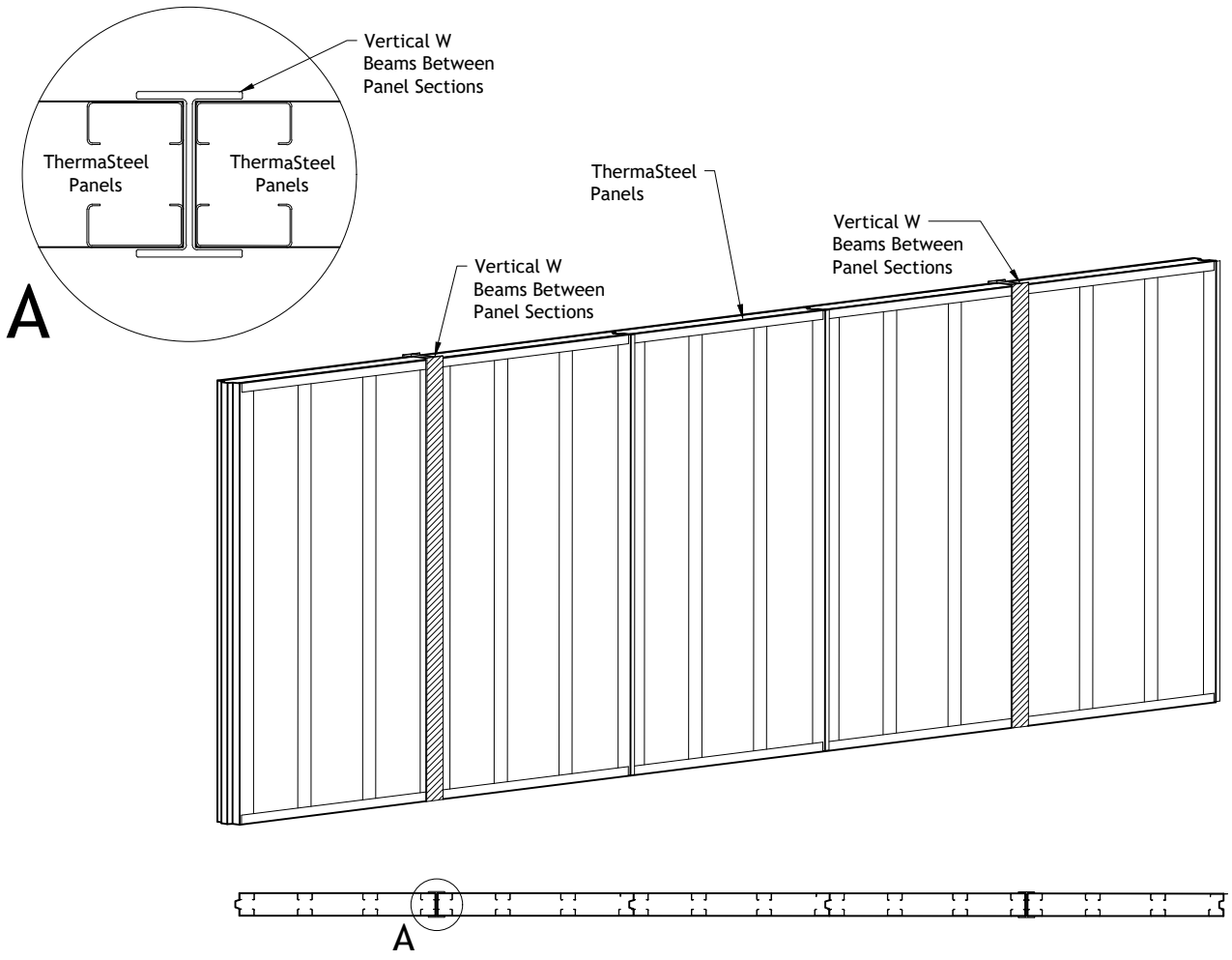

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Typical Panel Connection To Red Iron Structure Option 1

Not To Scale

Rev: 11/30/2021

Drawing Number

CB-008

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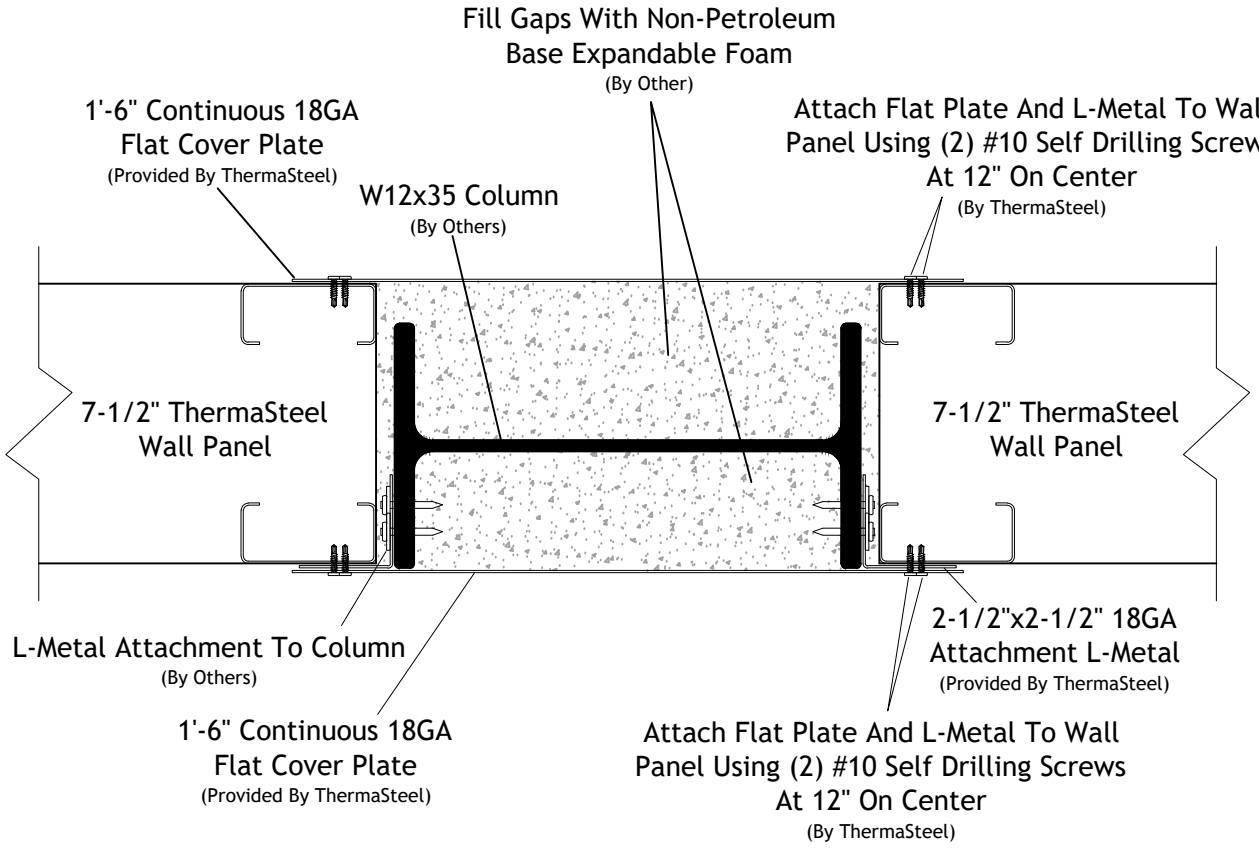

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Typical Panel Connection To Red Iron Structure
Option 2

Not To Scale
Rev: 08/07/2023
Drawing Number
CB-009

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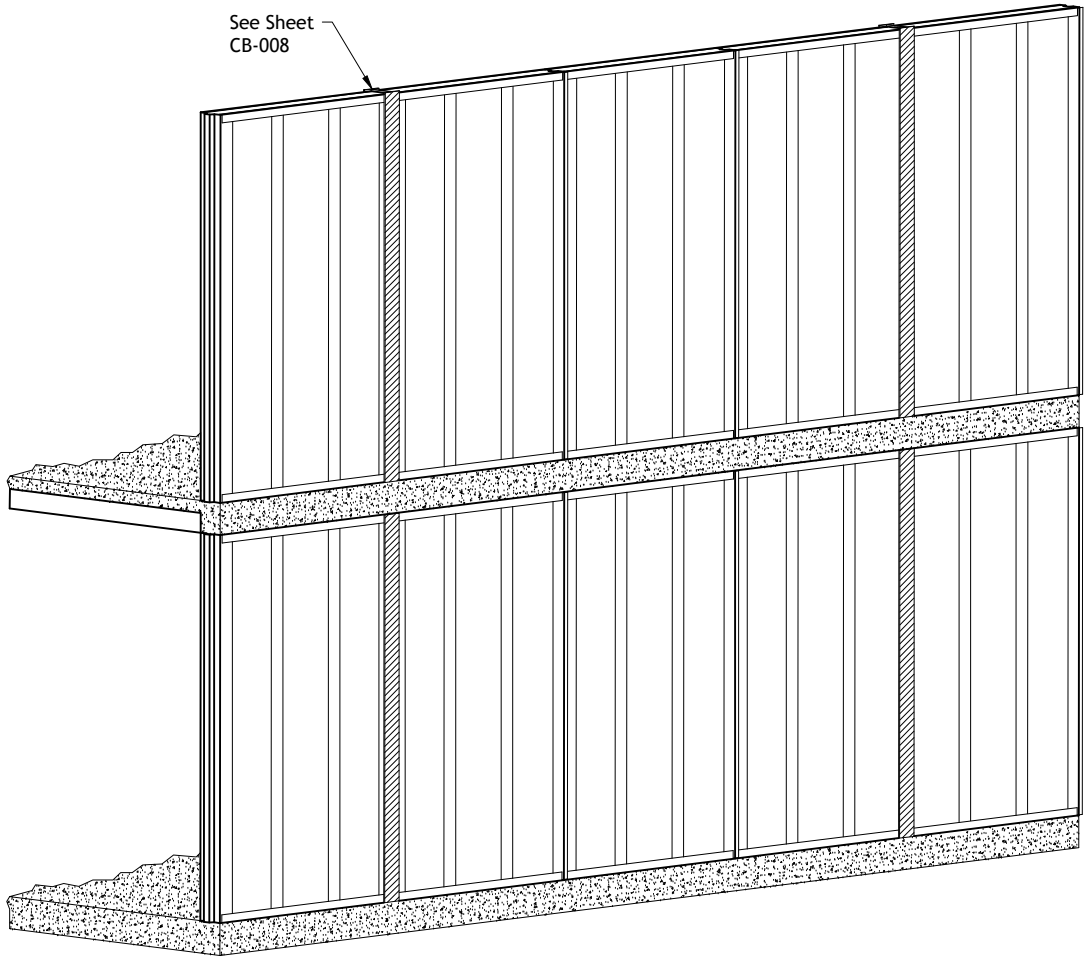

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Multi-Level Panel In A Commercial Application

Not To Scale

Rev: 08/07/2023

Drawing Number
CB-010

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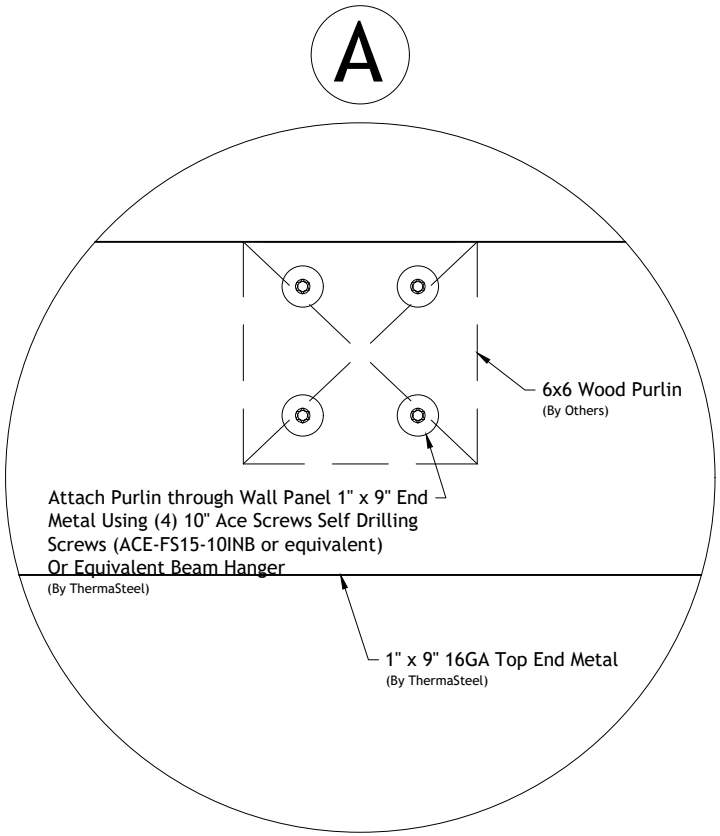

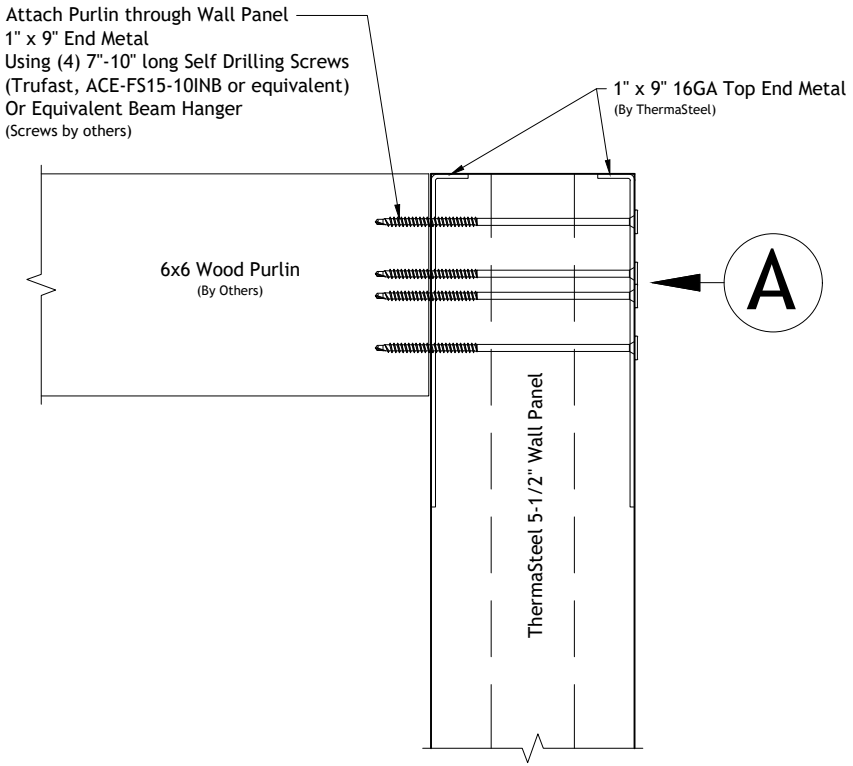

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Typical Purlin To Wall Panel Connection

Not To Scale

Rev: 08/07/2023

Drawing Number
CB-011

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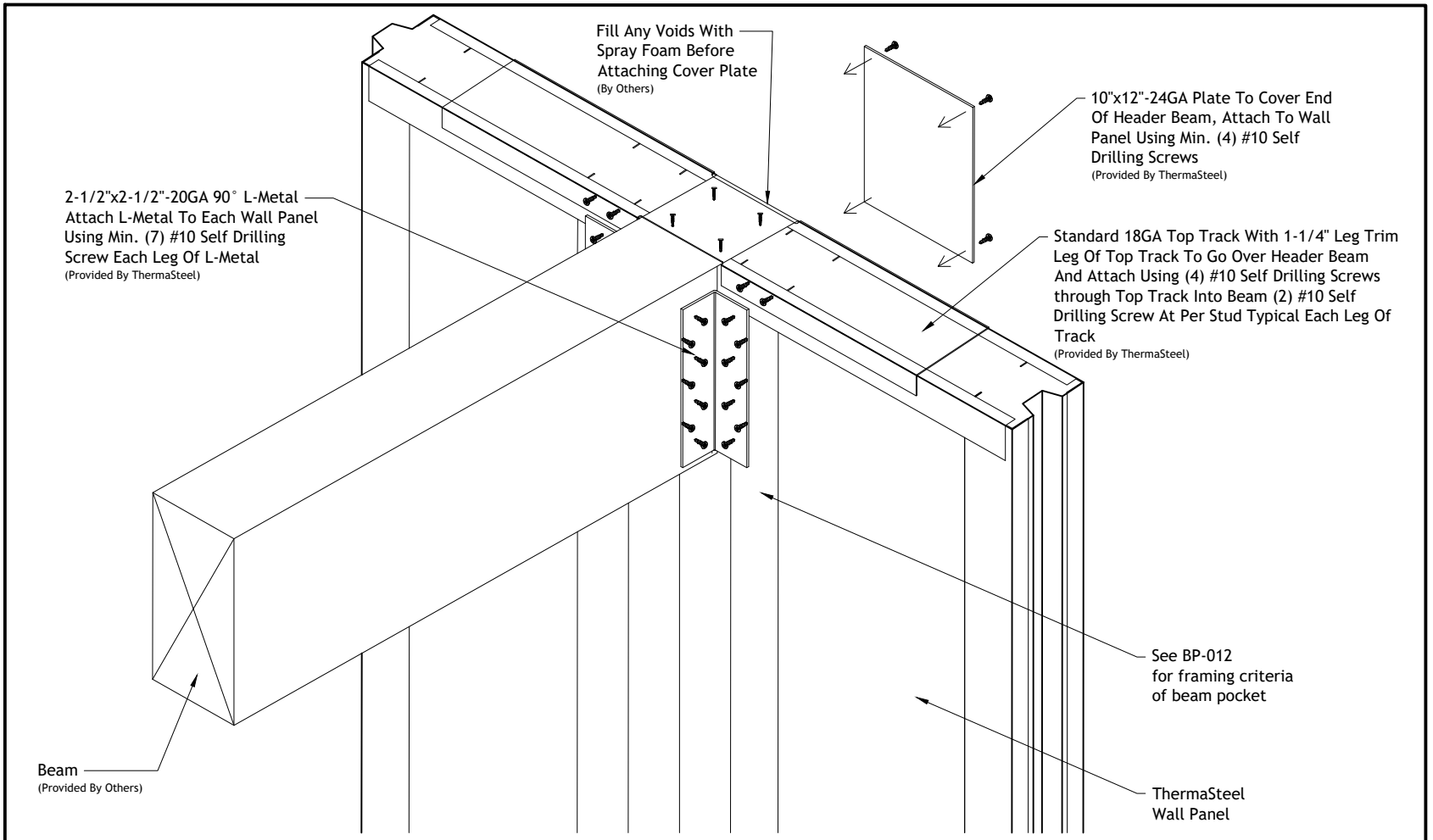

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Typical Beam Pocket Detail

Not To Scale

Rev: 08/07/2023

Drawing Number

CB-012

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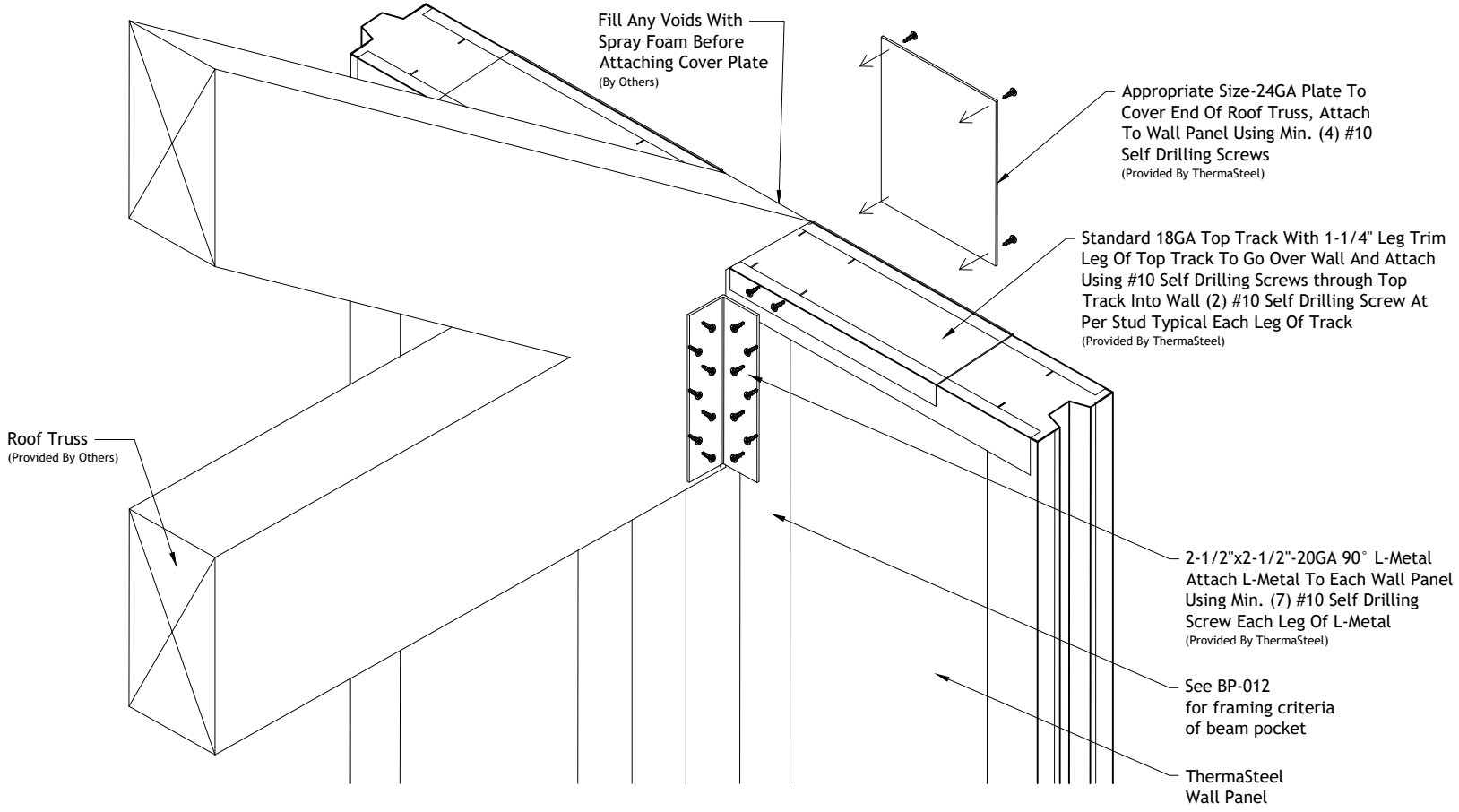

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Typical Roof Truss Pocket Detail

Not To Scale

Rev: 08/07/2023

Drawing Number

CB-013

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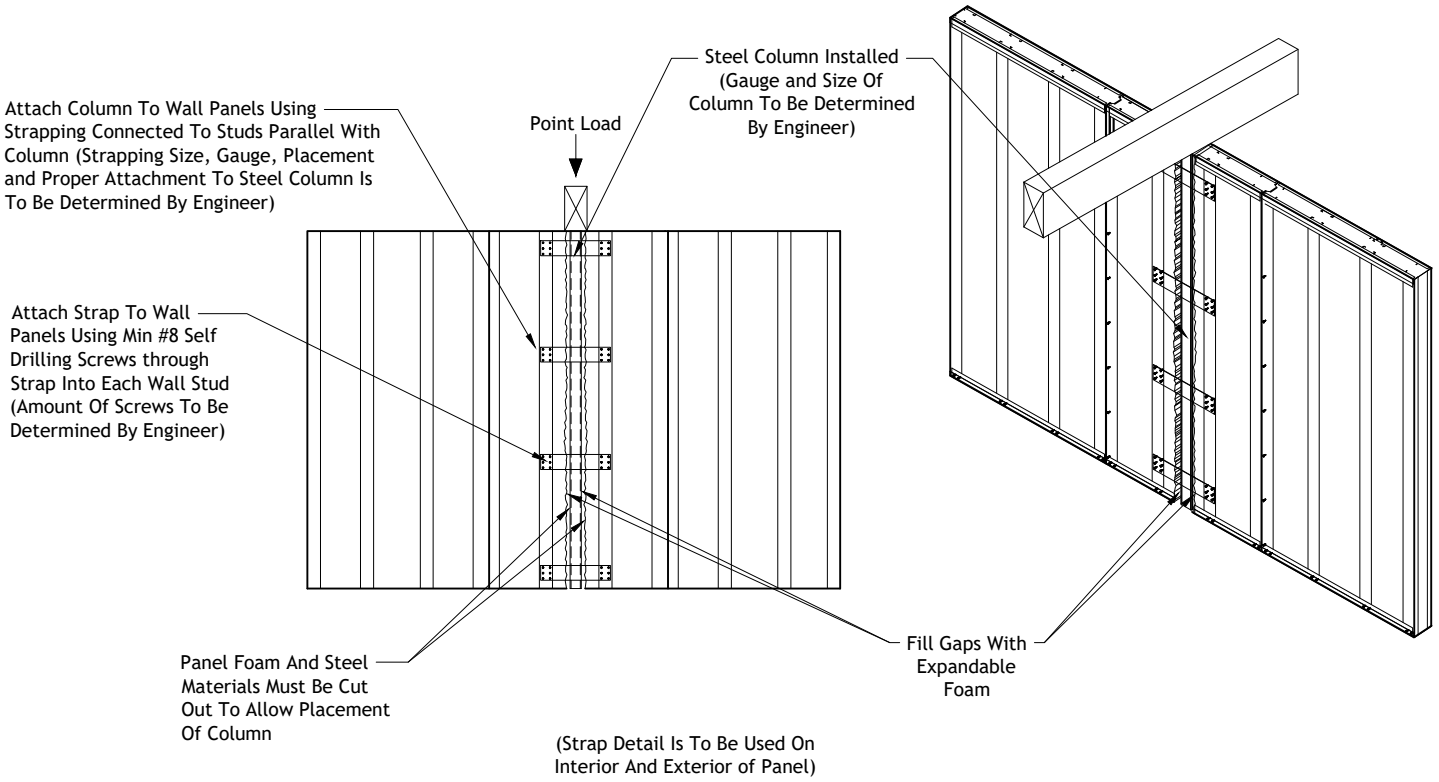

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Typical Point Load Connection

Not To Scale
Rev: 08/07/2023
Drawing Number
CB-014

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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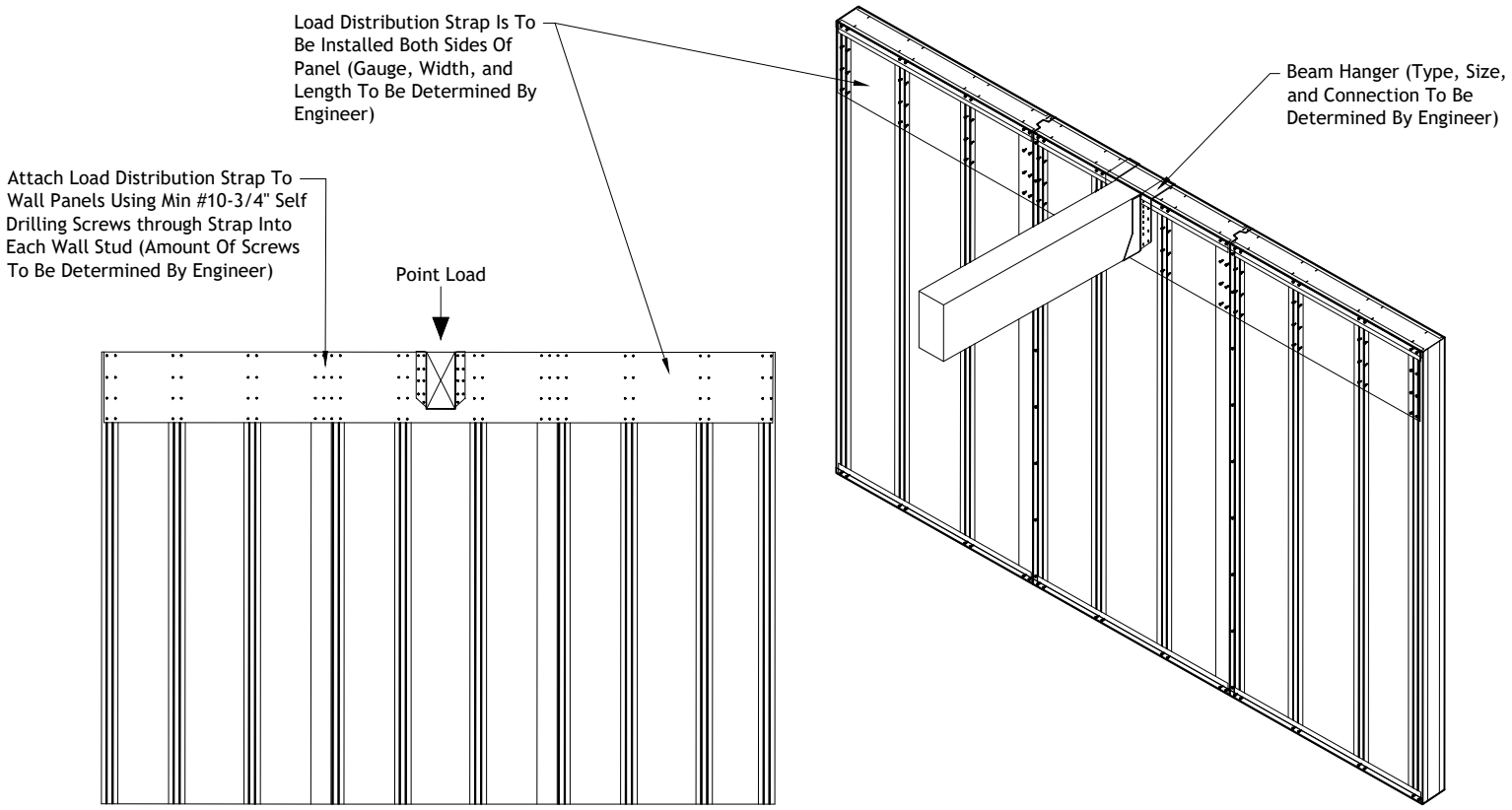

(Strap Detail Is To Be Used On Interior And Exterior of Panel)

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Typical Beam To Panel Connection With Strap/Hanger

Not To Scale

Rev: 08/07/2023

Drawing Number

CB-015

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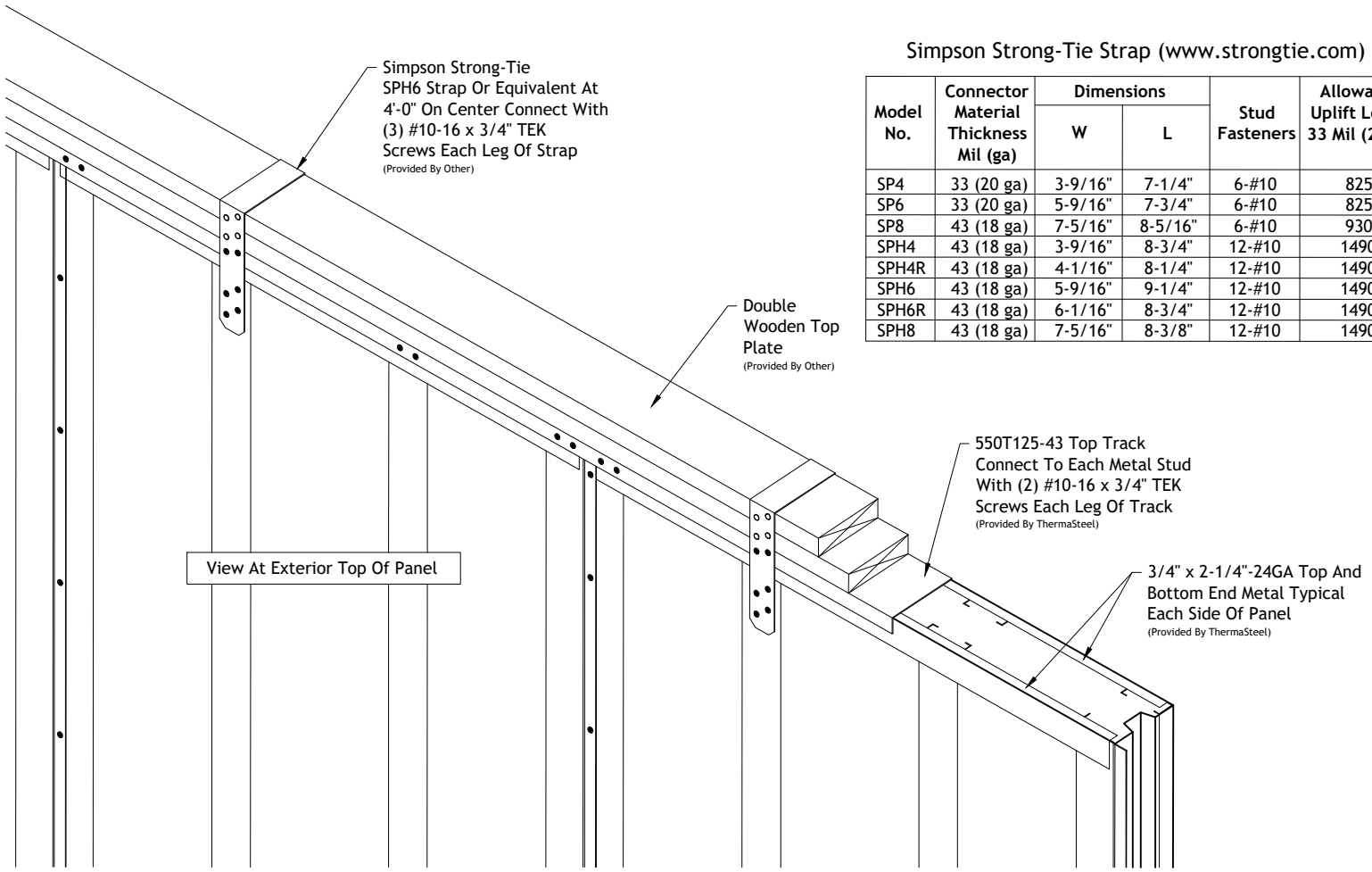

Simpson Strong-Tie Strap (www.strongtie.com)

Model No.	Connector Material Thickness Mil (ga)	Dimensions		Stud Fasteners	Allowable Uplift Loads 33 Mil (20ga)
		W	L		
SP4	33 (20 ga)	3-9/16"	7-1/4"	6-#10	825
SP6	33 (20 ga)	5-9/16"	7-3/4"	6-#10	825
SP8	43 (18 ga)	7-5/16"	8-5/16"	6-#10	930
SPH4	43 (18 ga)	3-9/16"	8-3/4"	12-#10	1490
SPH4R	43 (18 ga)	4-1/16"	8-1/4"	12-#10	1490
SPH6	43 (18 ga)	5-9/16"	9-1/4"	12-#10	1490
SPH6R	43 (18 ga)	6-1/16"	8-3/4"	12-#10	1490
SPH8	43 (18 ga)	7-5/16"	8-3/8"	12-#10	1490

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Typical Top Plate/Beam Over Panel

Not To Scale
Rev: 08/07/2023
Drawing Number
CB-016

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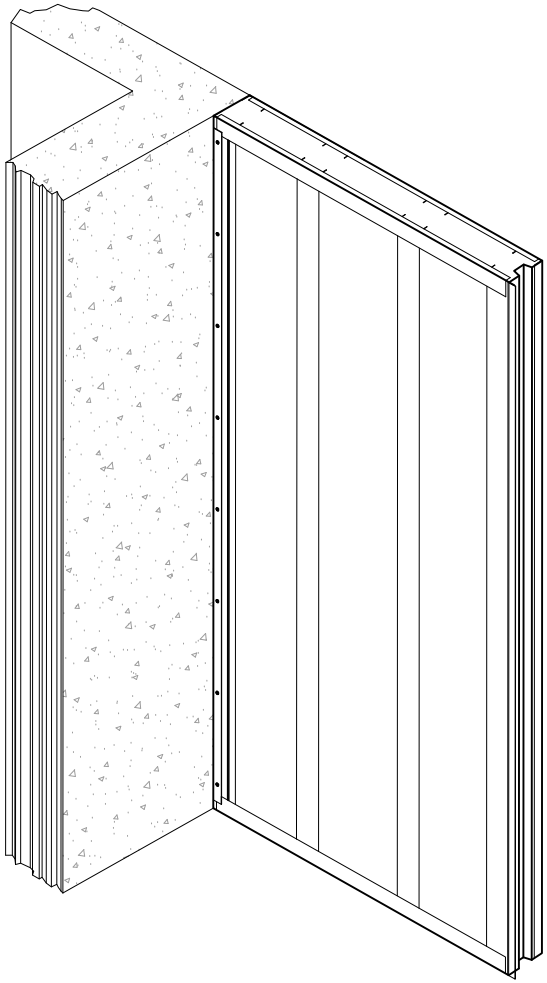

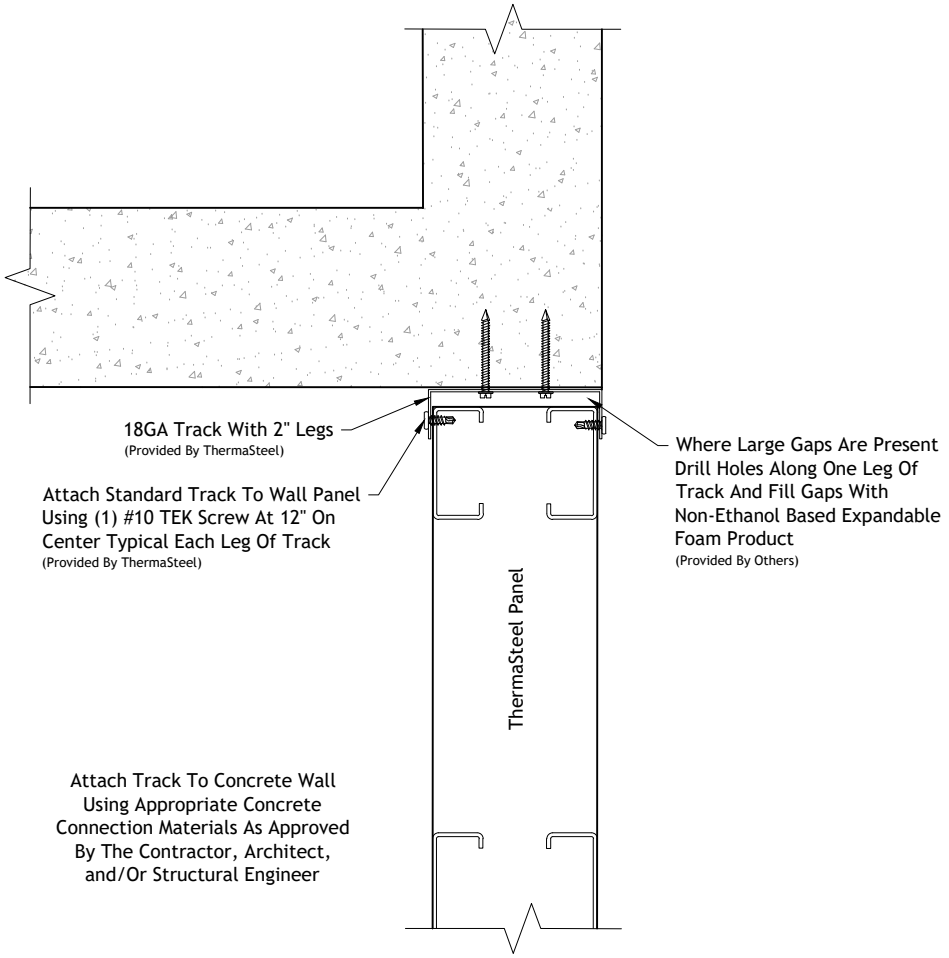

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Typical Panel To Concrete/Brick Connection

Not To Scale
Rev: 08/07/2023
Drawing Number
CB-017

THERMASTEEL ADVANCED PANEL SYSTEMS - MANUFACTURED BY THERMASTEEL RP Ltd.
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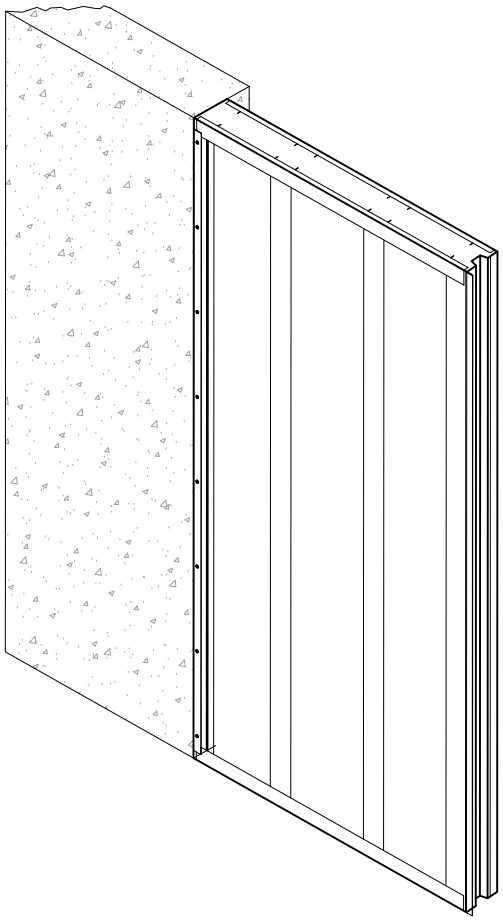

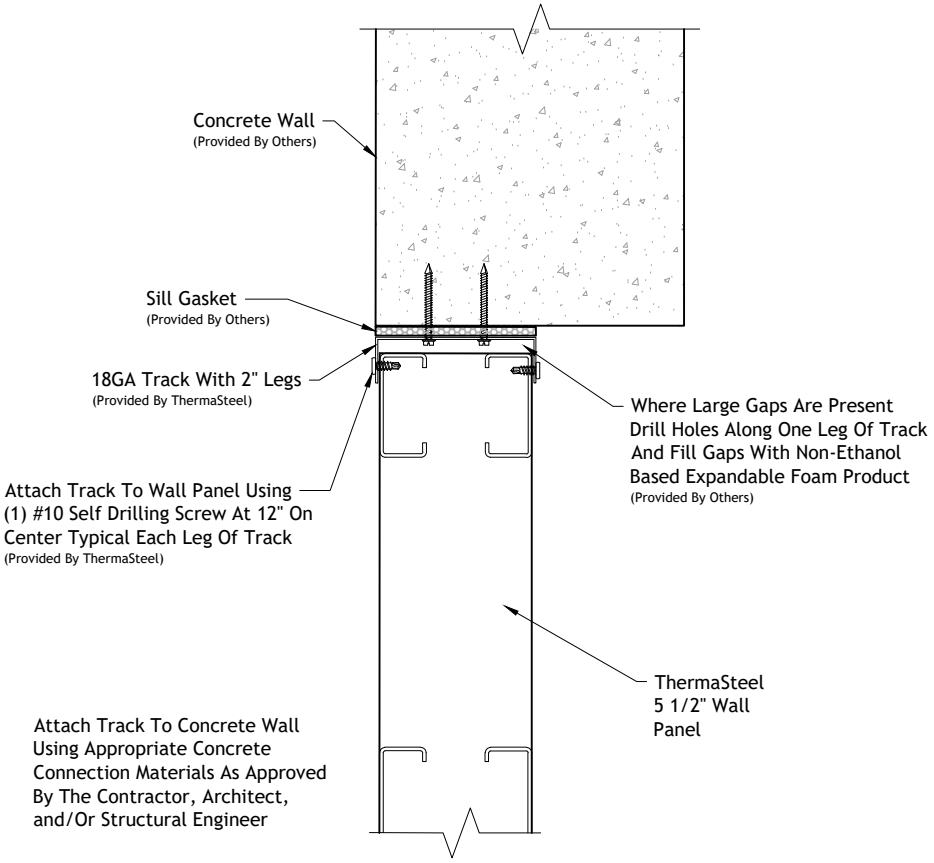

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

ThermaSteel To Concrete Wall Connection

Not To Scale
Rev: 08/07/2023
Drawing Number
CB-018

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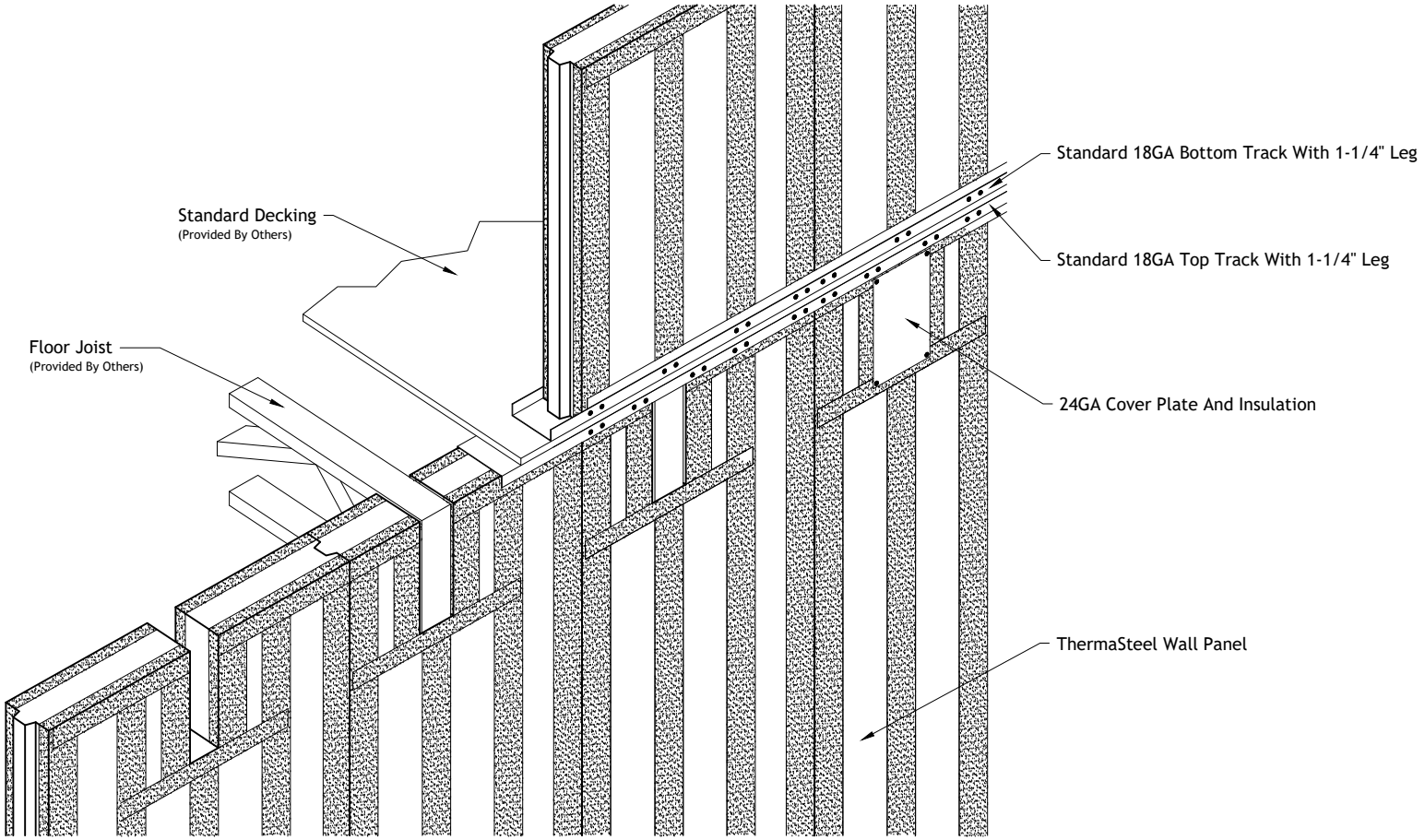

THERMASTEEL™
ADVANCED PANEL SYSTEM

Connections To Other Building Systems

Typical Attachment Of Panels To Floor Trusses - Balloon Floor System

Not To Scale

Rev: 11/8/2023

Drawing Number
CB-019

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Miscellaneous

MS-001 Typical Roof Covering Applications - Section View

MS-002 Typical Exterior Cladding Application

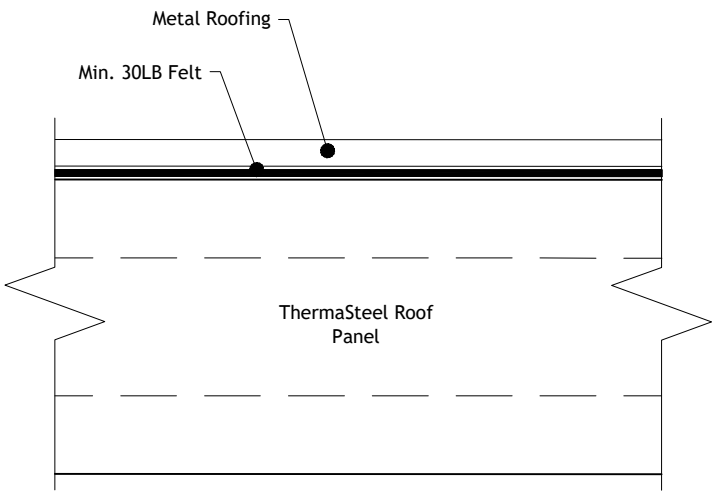
MS-003 Standard Wood Stud Construction, Exterior Wall System, 8 Step Assembly

MS-004 ThermaSteel 5 1/2" Exterior Wall System, 4 Step Assembly

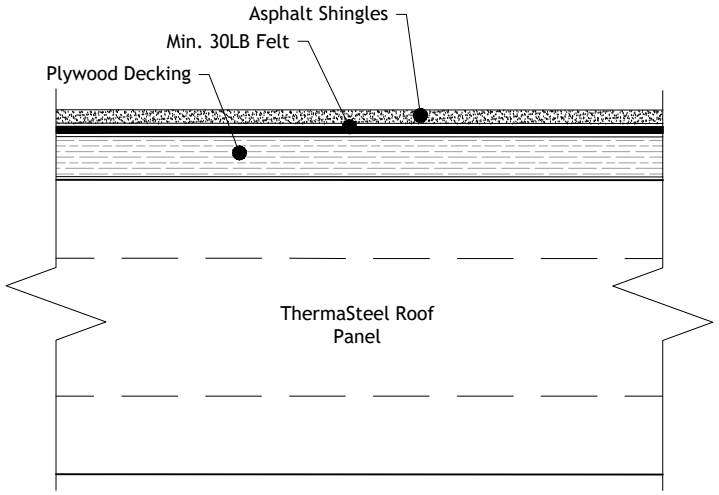
MS-005 Shear Wall Cross Strapping Detail

Back To Connection Detail Chapters

Metal Roofing To Roof Panel



Asphalt Shingles To Roof Panel



THERMASTEEL™
ADVANCED PANEL SYSTEM

Miscellaneous

Typical Roof Covering Applications - Section View

Not To Scale
Rev: 11/30/2021
Drawing Number
MS-001

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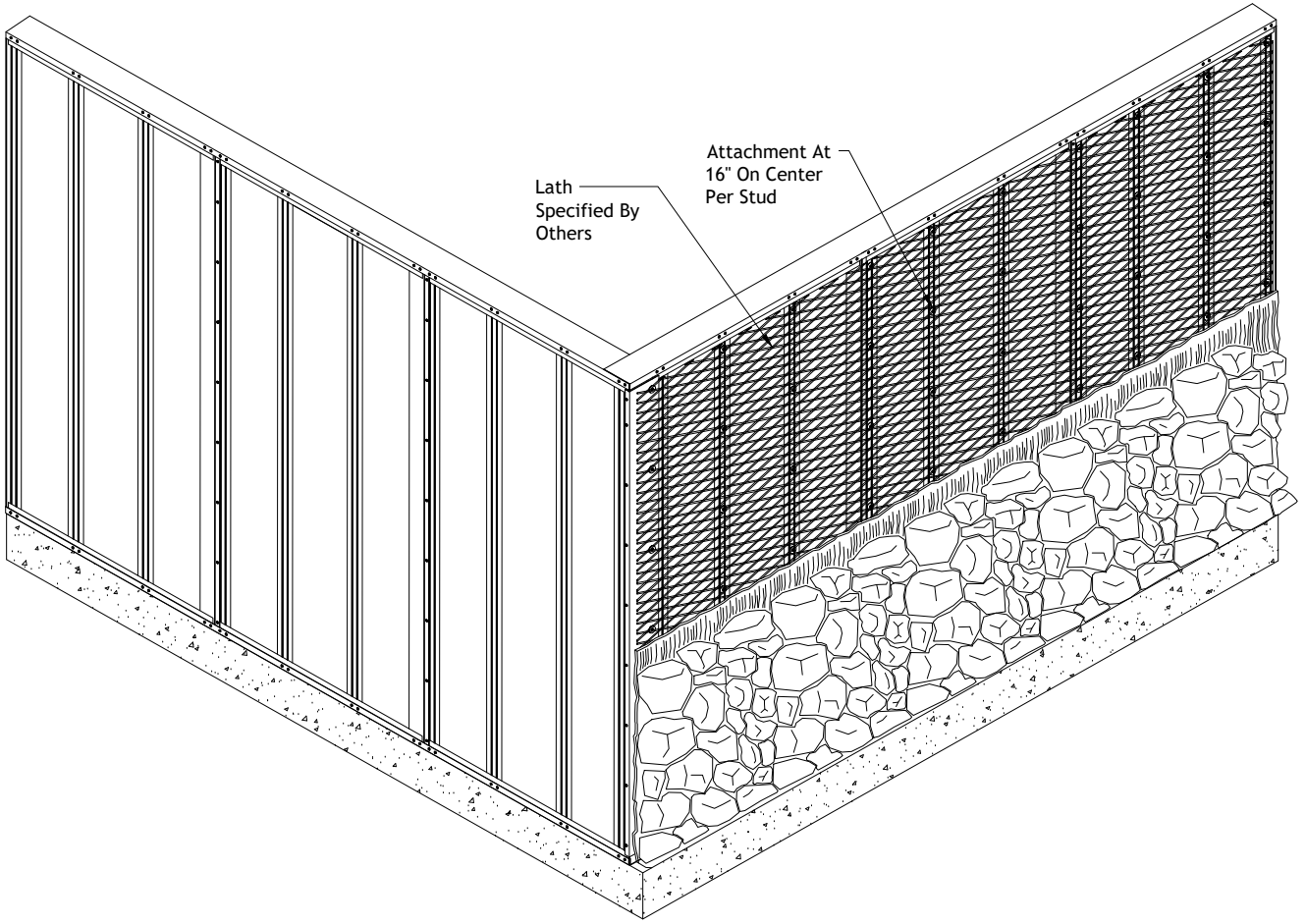

THERMASTEEL™
ADVANCED PANEL SYSTEM

Miscellaneous

Typical Exterior Cladding Application

Not To Scale

Rev: 11/30/2021

Drawing Number

MS-002

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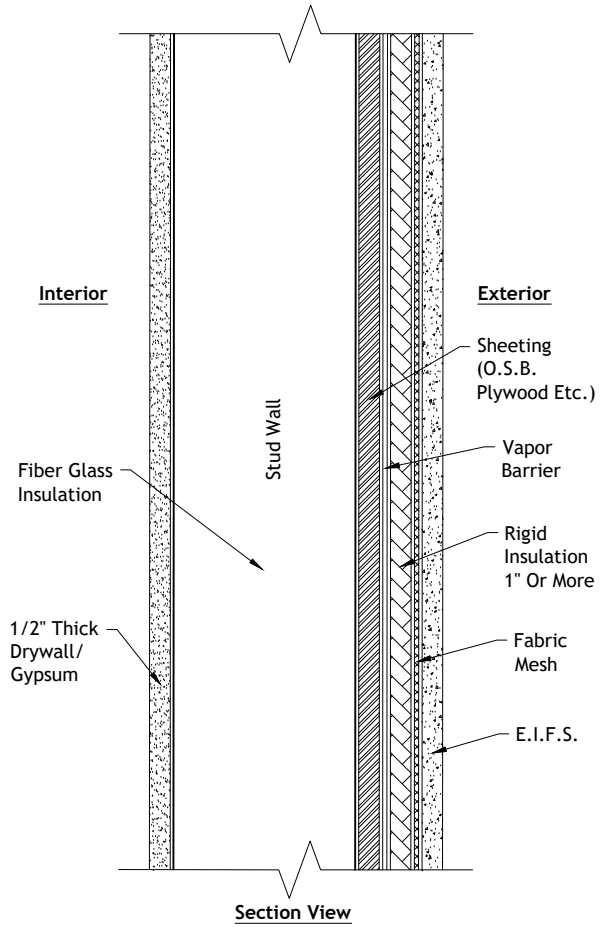

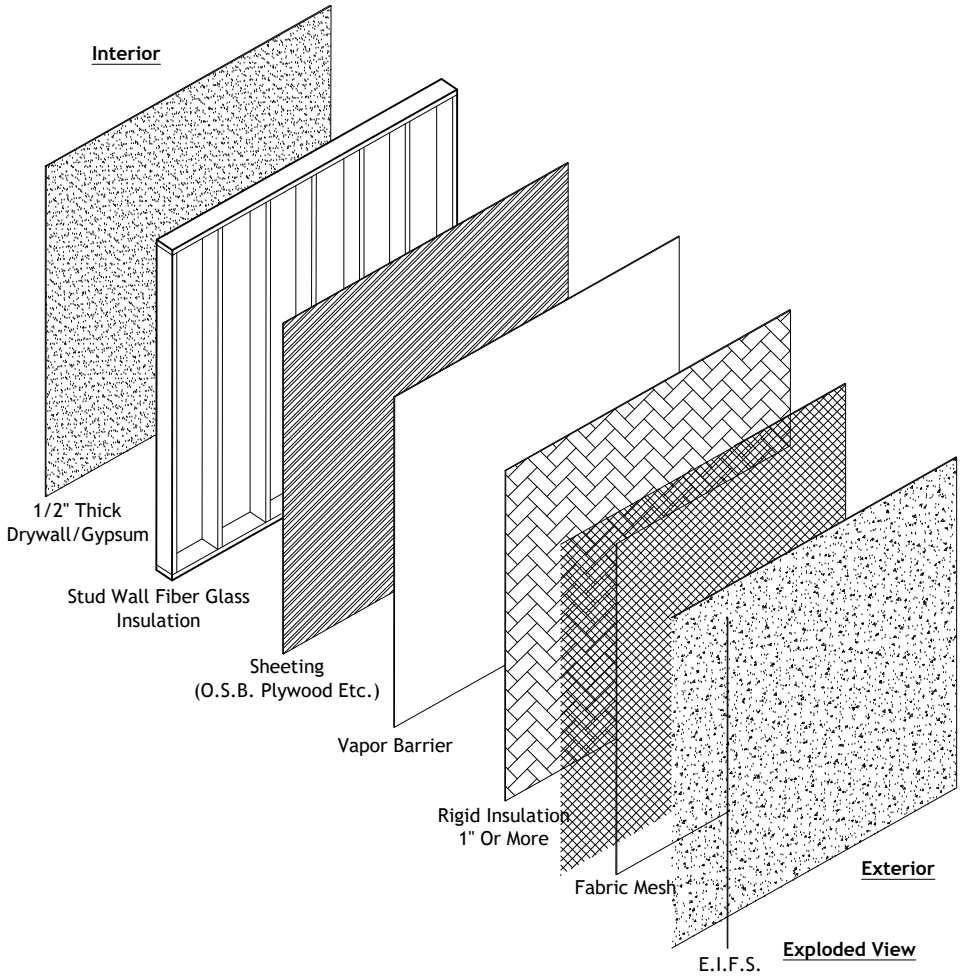

THERMASTEEL™
ADVANCED PANEL SYSTEM

Miscellaneous

Standard Wood Stud Construction, Exterior Wall 8-Step Assembly

Not To Scale

Rev: 11/30/2021

Drawing Number

MS-003

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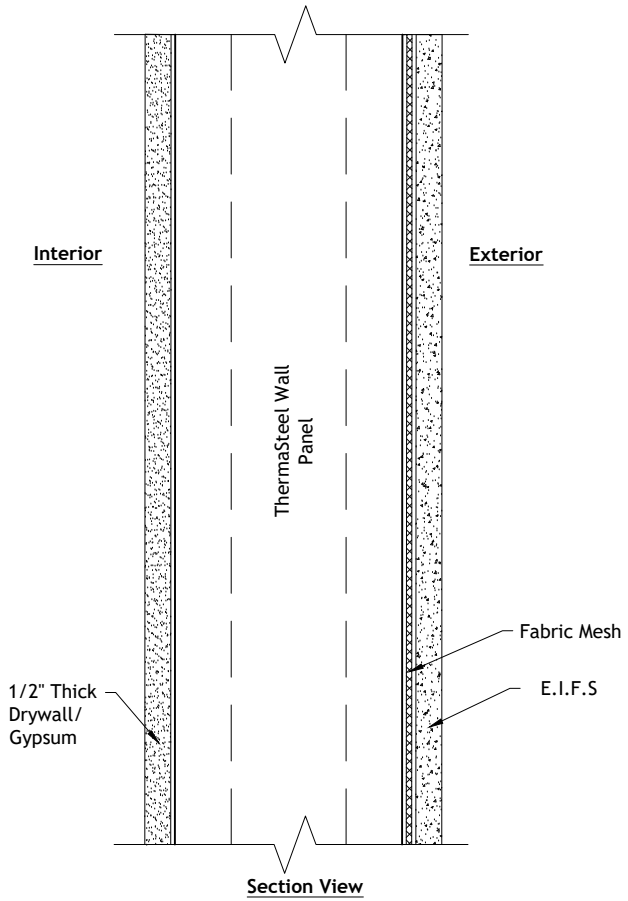
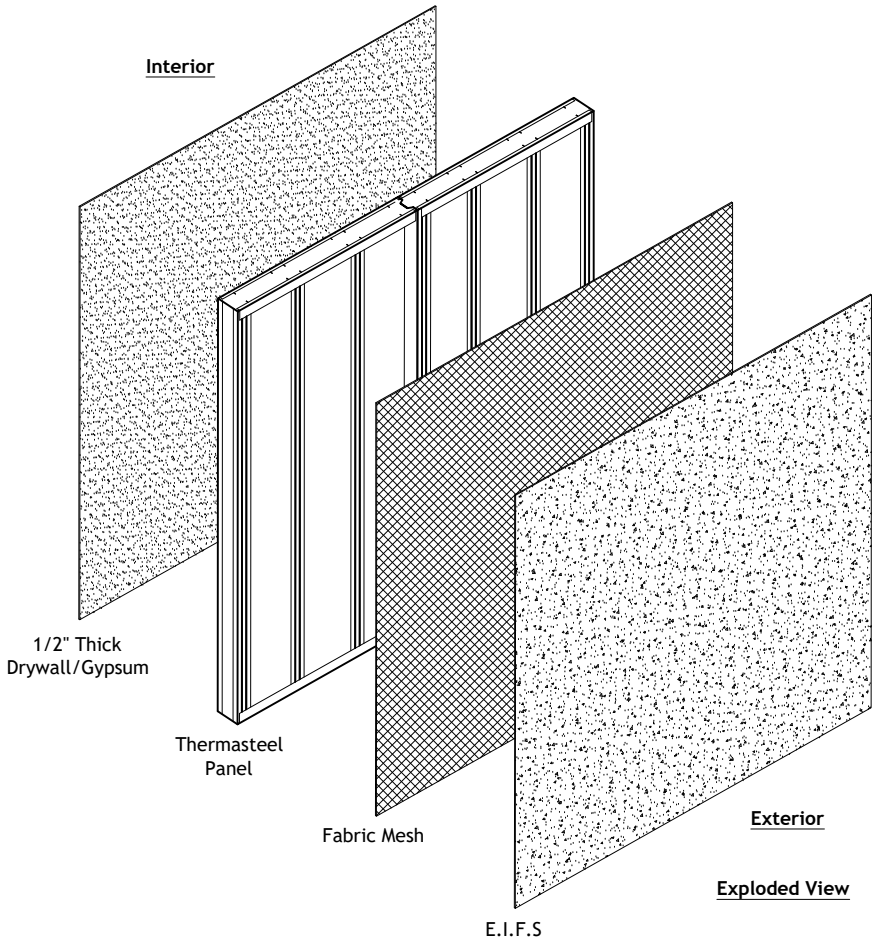


Section View



Exploded View

THERMASTEEL™
ADVANCED PANEL SYSTEM

Miscellaneous

ThermaSteel 5 1/2" Exterior Wall System 4-Step Assembly

Not To Scale

Rev: 11/30/2021

Drawing Number

MS-004

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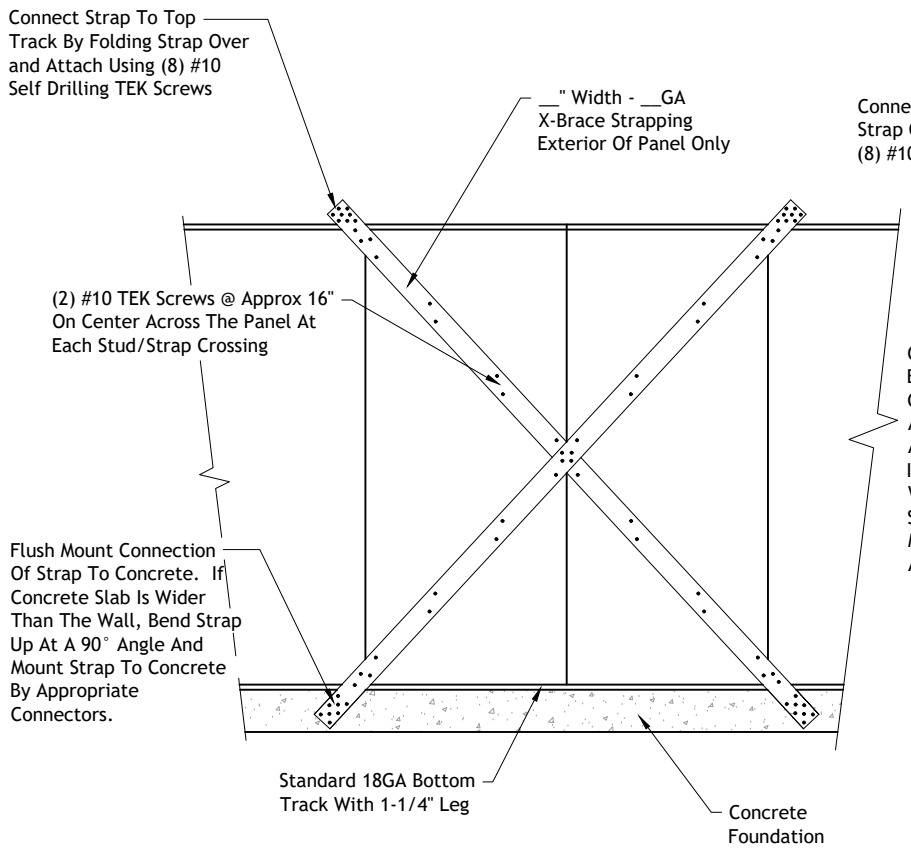
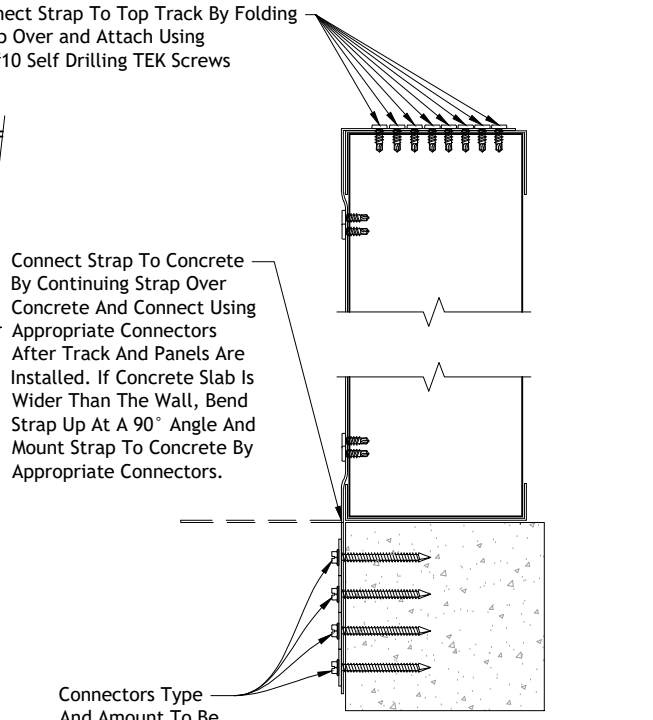


(Connection Is Typical On Exterior Of Panel Only)

Strap To Top Track Connection



Note: Strap To Concrete Connection Should Be Used At Each Level For Concrete Connection Above Or Below Panel

Strap To Concrete Connection
Section View

THERMASTEEL™
ADVANCED PANEL SYSTEM

Miscellaneous

Shear Wall Cross Strapping Detail

Not To Scale
Rev: 11/30/21
Drawing Number
MS-005

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Field Modifications

FM-001 Typical Field Cut Window With Track

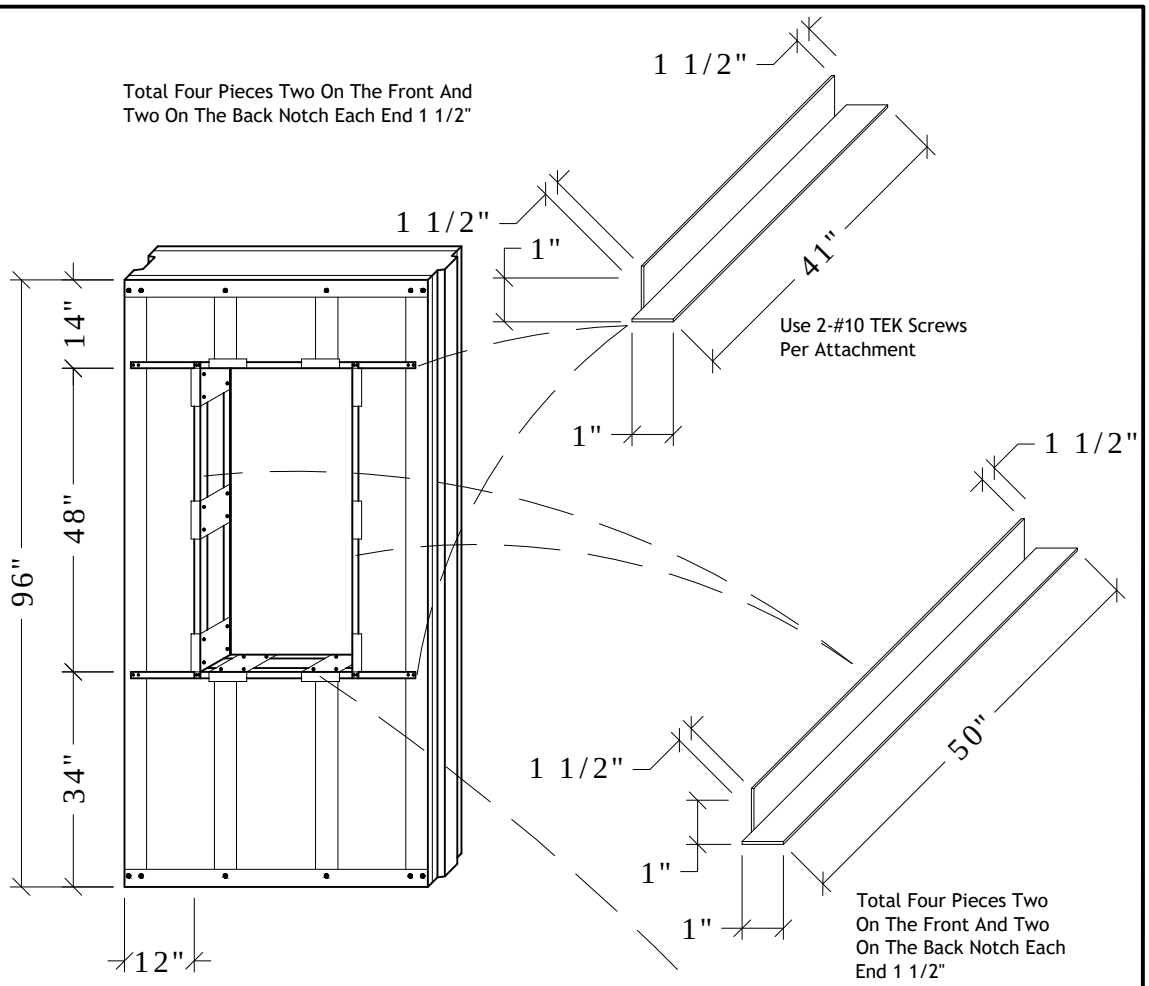
FM-002 Typical Field Cut Window

FM-003 Typical Field Cut Door With Track

FM-004 Typical Field Cut Door With Wood

FM-005 Typical Electrical Box Installation

Back To Connection Detail Chapters



THERMASTEEL™
ADVANCED PANEL SYSTEM

Field Modifications

Typical Field Cut
Window With Track

Not To Scale
Rev: 11/30/2021
Drawing Number
FM-001

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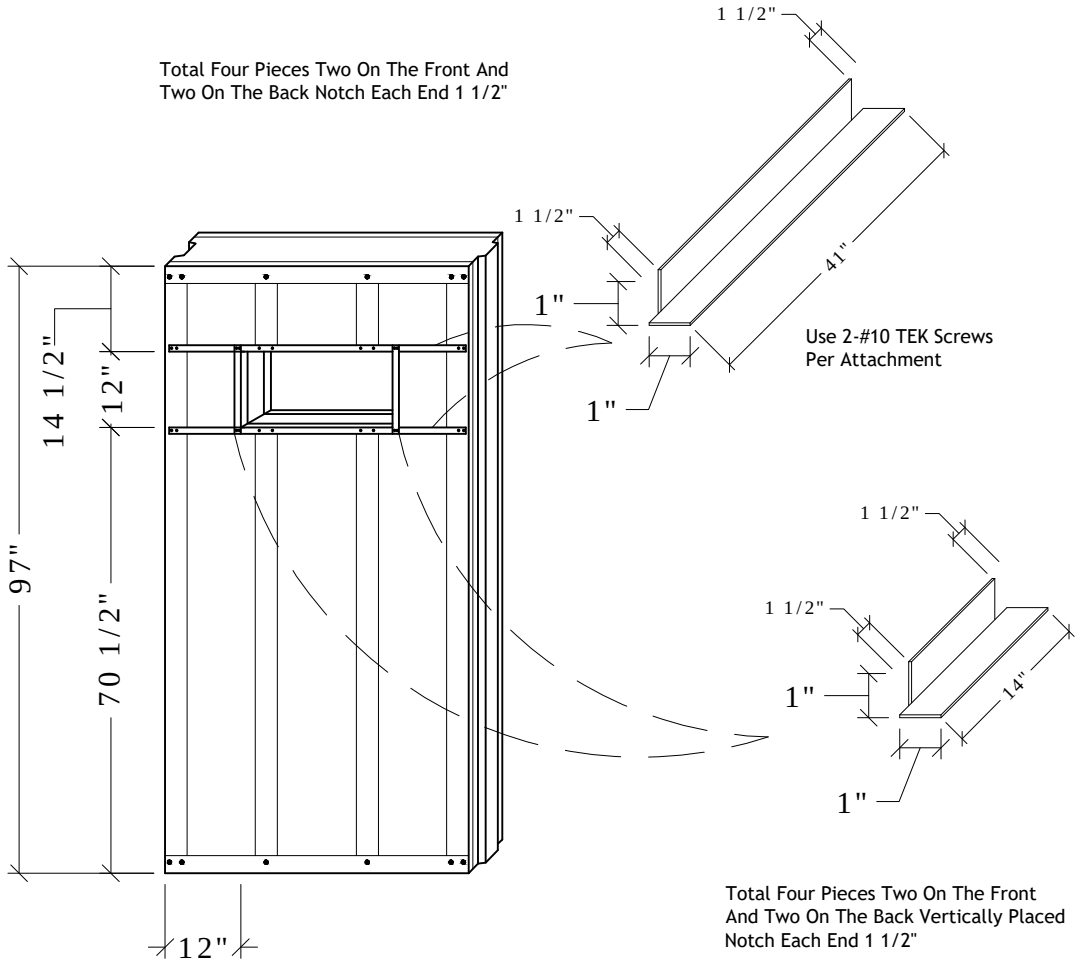

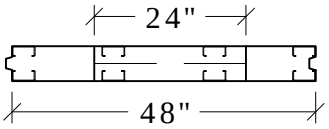

Wall
5 1/2" Panels
24GA TS @ 16" O.C.

THERMASTEEL™
ADVANCED PANEL SYSTEM

Field Modifications

Typical Field Cut Window

Not To Scale

Rev: 11/30/2021

Drawing Number
FM-002

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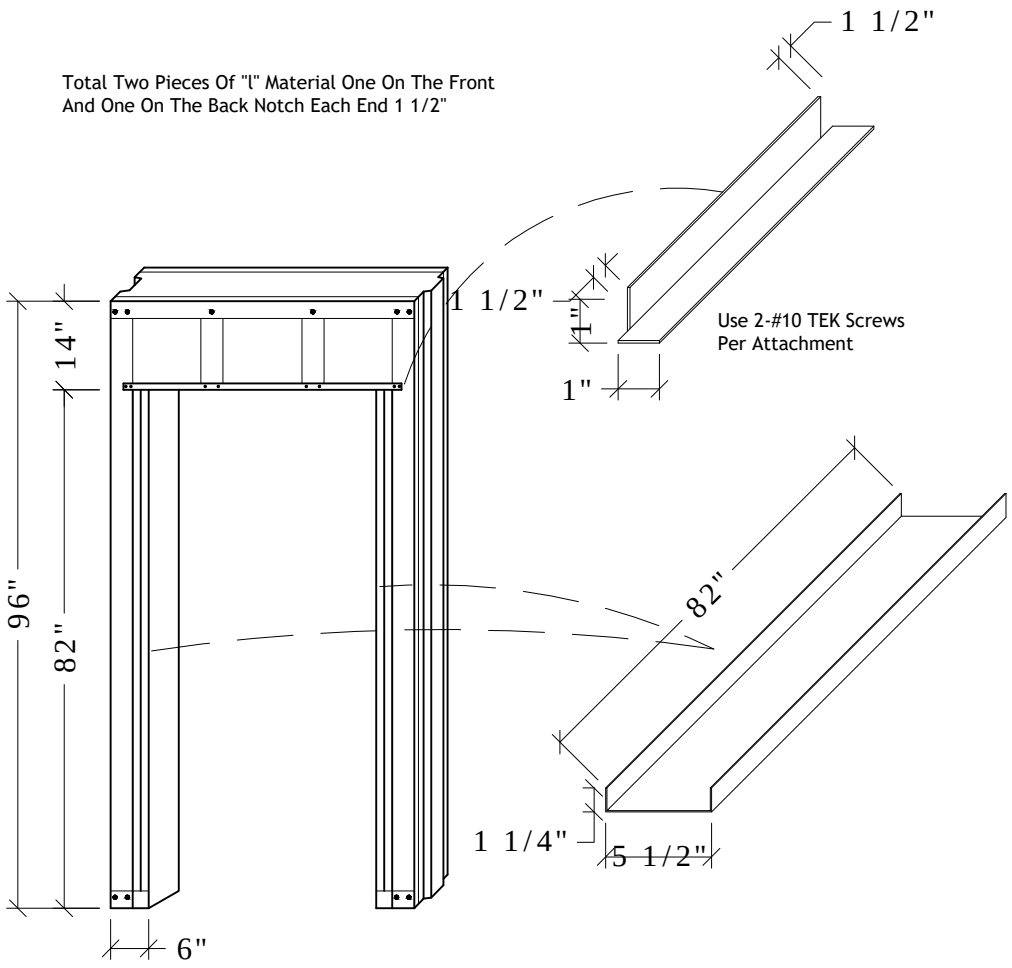

THERMASTEEL™
ADVANCED PANEL SYSTEM

Field Modifications

Typical Field Cut
Door With Track

Not To Scale
Rev: 11/30/2021
Drawing Number
FM-003

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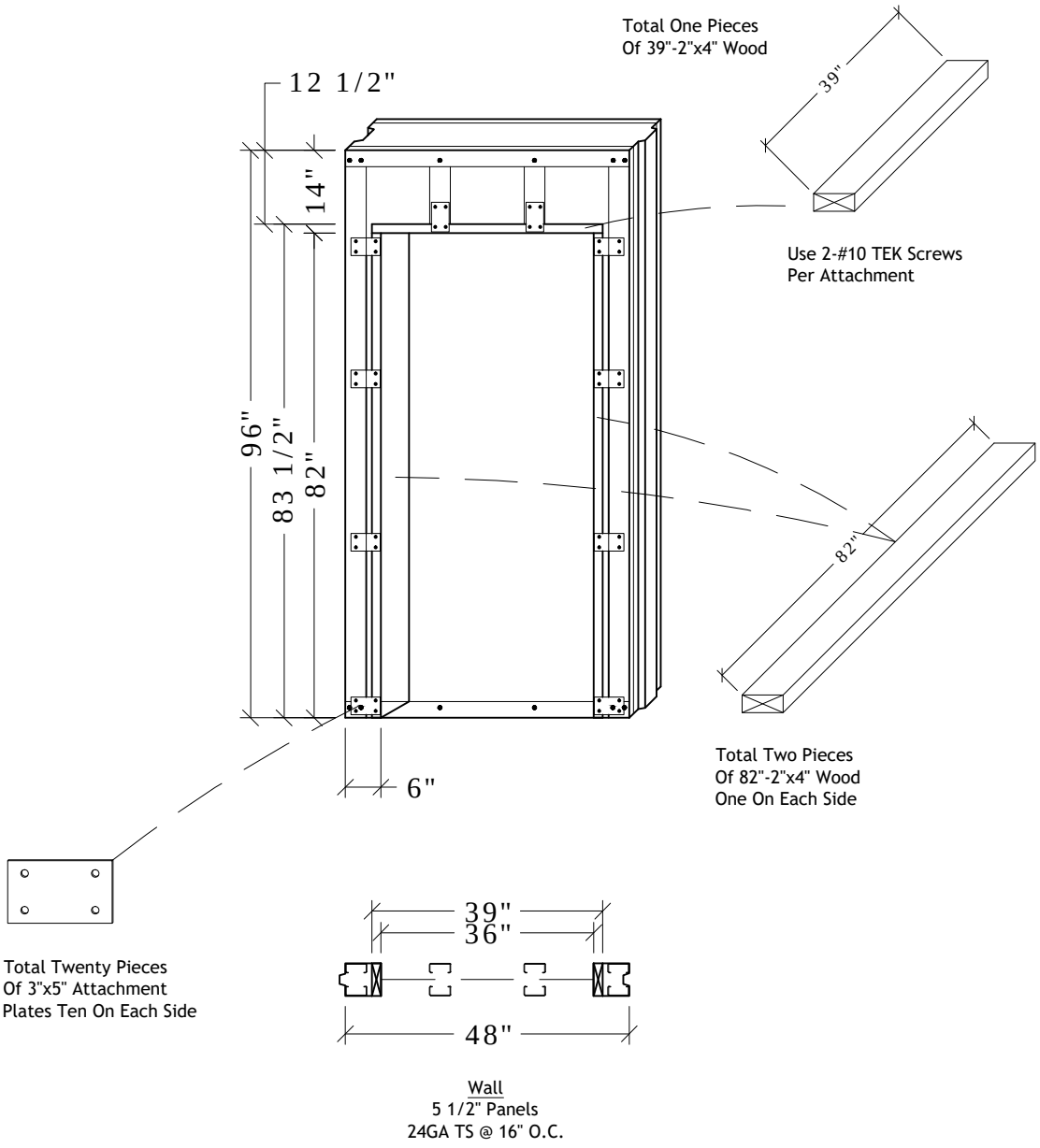

THERMASTEEL™
ADVANCED PANEL SYSTEM

Field Modifications

Typical Field Cut
Door With Wood

Not To Scale
Rev: 11/30/2021
Drawing Number
FM-004

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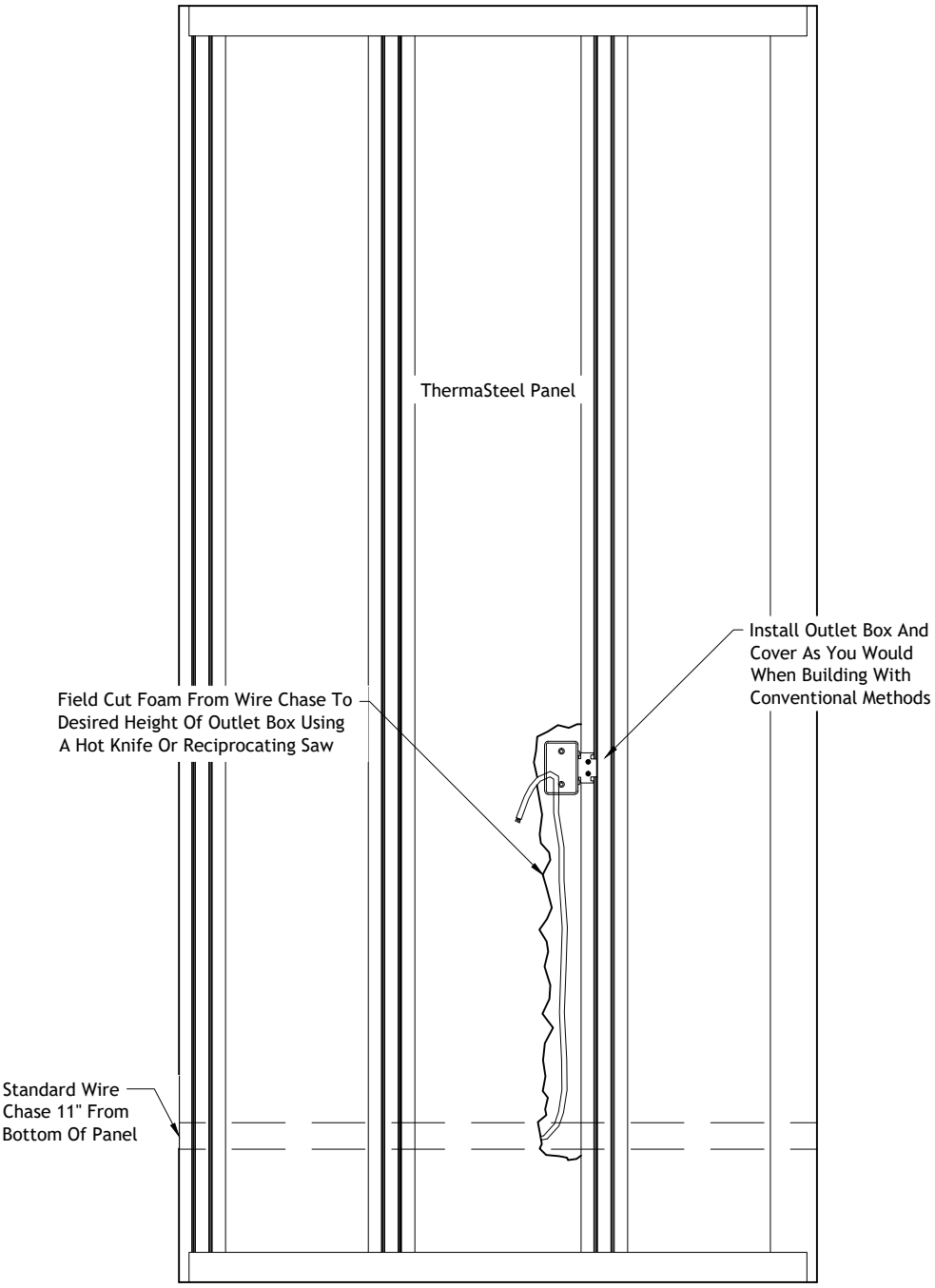

THERMASTEEL™
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Field Modifications

Typical Electrical Box Installation

Not To Scale
Rev: 11/30/2021
Drawing Number
FM-005

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