

# RECOMMENDED ATTACHMENTS & CONNECTION DETAILS

# **INDEX OF DRAWINGS**

#### **SECTION A:**

A-1 = METAL TRACK TO PANEL ATTACHMENT

A-2 = WOOD PLATE TO PANEL ATTACHMENT

#### **SECTION B:**

B-1 = METAL TRACK TO SLAB WITH ANCHOR PINS

B-2 = METAL TRACK TO SLAB WITH ANCHOR BOLTS

B-3 = WOOD PLATE TO SLAB WITH ANCHOR BOLTS

B-4 = METAL TRACK TO WOOD FLOOR SYSTEM ATTACHMENT

B-5 = METAL TRACK TO WOOD FLOOR SYSTEM ATTACHMENT (PREFERRED)

B-6 = WOOD PLATE TO WOOD FLOOR SYSTEM ATTACHMENT

B-7 = WOOD PLATE TO WOOD FLOOR SYSTEM ATTACHMENT (PREFERRED)

B-8 = MULTI-STORY PANEL TO WOOD FLOOR SYSTEM WITH METAL TRACK ATTACHMENT B-9 = MULTI-STORY PANEL TO WOOD FLOOR SYSTEM WITH METAL TRACK ATTACHMENT (PREFERRED)

B-10 = MULTI-STORY PANEL TO WOOD FLOOR SYSTEM WITH WOOD PLATE ATTACHMENT

B-11 = MULTI-STORY PANEL TO WOOD FLOOR SYSTEM WITH WOOD PLATE ATTACHMENT (PREFERED)

#### **SECTION C:**

C-1 = ROOF PANEL TO BEVELED WALL PANEL (METAL TRACK)

C-2 = ROOF PANEL TO WALL PANEL WITH METAL TRACK AND SOLID BLOCKING

C-3 = ROOF PANEL TO WALL PANEL WITH WOOD PLATE AND SOLID BLOCKING

#### **SECTION D:**

D-1 = WALL PANEL TO PRE-ENGINEERED TRUSS SYSTEM WITH WOOD PLATES

D-2 = WALL PANEL TO PRE-ENGINEERED TRUSS SYSTEM WITH METAL TRACK

#### **SECTION E:**

E-1 = CEILING PANEL TO PRE-ENGINEERED TRUSS SYSTEM

#### **SETION F:**

F-1 = ROOF PANEL TO PRE-ENGINEERED TRUSS SYSTEM

F-2 = ROOF PANEL TO PRE-ENGINEERED BEAM

#### **SECTION G:**

G-1 = CORNER CONNECTION DETAIL

G-2 = PANEL SHIPLAP DETAIL

### **SECTION H:**

### **SECTION J:**

J-1 = TYPICAL ( 2 ) STORY SECTION WITH WOOD PLATES AND CMU FOUNDATION J-2 = TYPICAL ( 2 ) STORY SECTION WITH WOOD PLATES AND TURNED DOWN SLAB FOUNDATION

J-3 = TYPICAL (1) STORY SECTION WITH WOOD PLATES AND CMU FOUNDATION

J-4 = TYPICAL (1) STORY SECTION WITH METAL TRACK AND CMU FOUNDATION

J-5 = TYPICAL (1) STORY SECTION WITH WOOD PLATES AND TURNED DOWN SLAB FOUNDATION

J-6 = TYPICAL ( 1 ) STORY SECTION WITH METAL TRACK AND TURNED DOWN SLAB FOUNDATION

### **SECTION K:**

- K-1 = TYPICAL METAL PROFILES (STANDARD STUD AND "LEADING EDGE" METAL)
- K-2 = TYPICAL METAL PROFILES (END "L" METAL AND ATTACHMENT PLATE)
- K-3 = TYPICAL METAL PROFILES (RIDGE CAP METAL AND HEAVY GAUGE STUD)
- K-4 = TYPICAL METAL PROFILES (METAL TRACK)

#### **SECTION L:**

- L-1 = # 8,  $\frac{1}{2}$ " SELF-TAPPING SCREW
- L-2 = 5" DECK SCREW
- L-3 = 7" DECK SCREW

#### **SECTION M:**

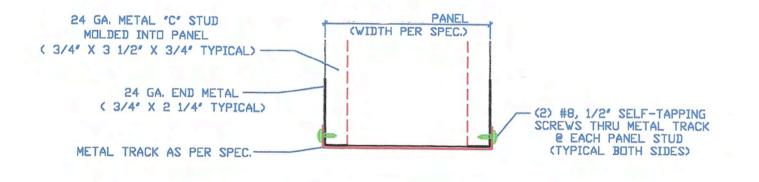
M-1 = STANDARD WIRECHASE PLACEMENT IN A STAND PANEL

### **SECTION N:**

- N-1 = STANDARD WALL PANEL 16" O.C.
- N-2 = STANDARD WALL PANEL 24" O.C.
- N-3 = STANDARD WINDOW PANEL
- N-4 = STANDARD DOOR PANEL
- N-5 = STANDARD HEADER PANEL
- N-6 = STANDARD CONCRETE "T-BEAM" PANEL

# **SECTION A:**

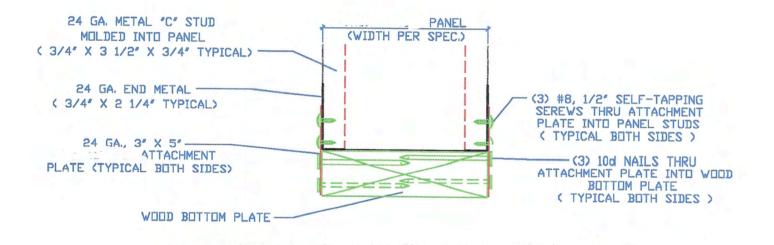
### A-1 = METAL TRACK TO PANEL ATTACHMENT A-2 = WOOD PLATE TO PANEL ATTACHMENT



# TO METAL TRACK CONNECTION

DRAWING A-1

( SAME ATTACHMENT FOR TOP OF PANEL)



TO WOOD PLATE CONNECTION

DRAWING A-2

( SAME ATTACHMENT FOR TOP OF PANEL )

# **SECTION B**

B-1= METAL TRACK TO SLAB WITH ANCHOR PINS

B-2= METAL TRACK TO SLAB WITH ANCHOR BOLTS

B-3= WOOD PLATE TO SLAB WITH ANCHOR BOLTS

B-4= METAL TRACK TO WOOD FLOOR SYSTEM ATTACHMENT

B-5= METAL TRACK TO WOOD FLOOR SYSTEM ATTACHMENT (PREFERRED)

B-6= WOOD PLATE TO WOOD FLOOR SYSTEM ATTACHMENT

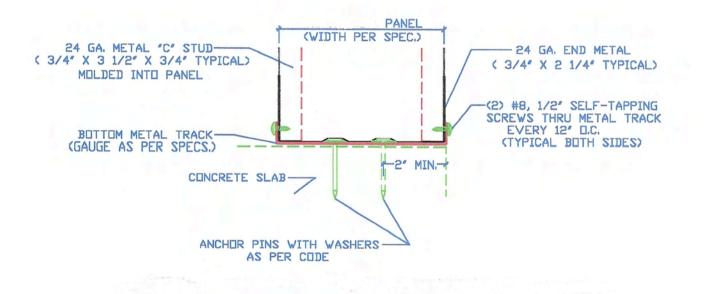
B-7= METAL PLATE TO WOOD FLOOR SYSTEM ATTACHMENT (PREFERRED)

B-8= MULTI-STORY PANEL TO WOOD FLOOR SYSTEM WITH METAL TRACK ATTACHMENT

B-9= MULTI-STORY PANEL TO WOOD FLOOR SYSTEM WITH METAL TRACK ATTACHMENT (PREFERRED)

B-10= MULTI-STORY PANEL TO WOOD FLOOR SYSTEM WITH WOOD PLATE ATTACHMENT

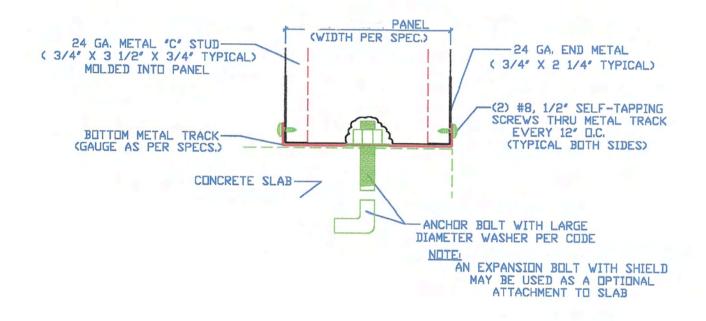
B-11= MULTI-STORY PANEL TO WOOD FLOOR SYSTEM WITH WOOD PLATE ATTACHMENT (PREFERRED)



### CONCRETE SLAB CONNECTION

### DRAWING B-1

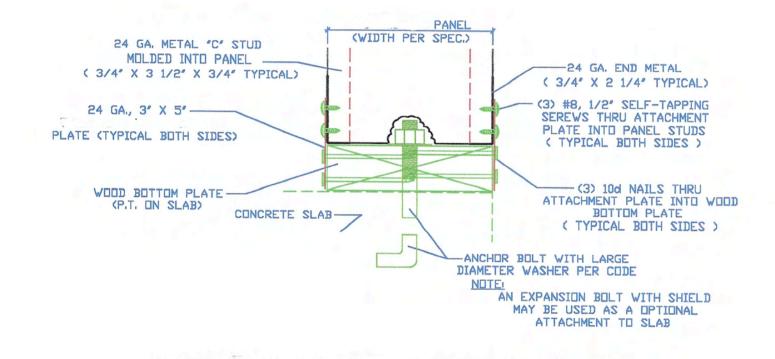
( WITH ANCHOR PINS AND METAL TRACK )



### **CONCRETE SLAB CONNECTION**

DRAWING B-2

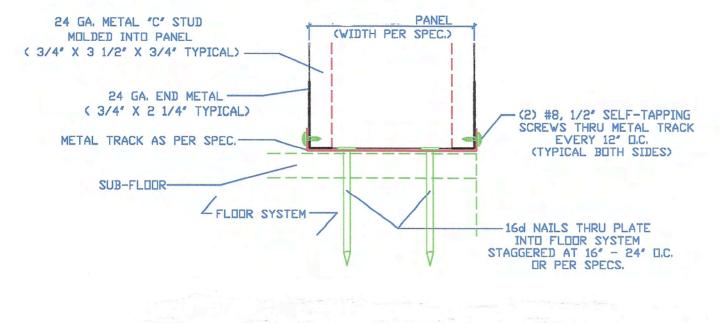
( WITH ANCHOR BOLT AND METAL TRACK )



### **CONCRETE SLAB CONNECTION**

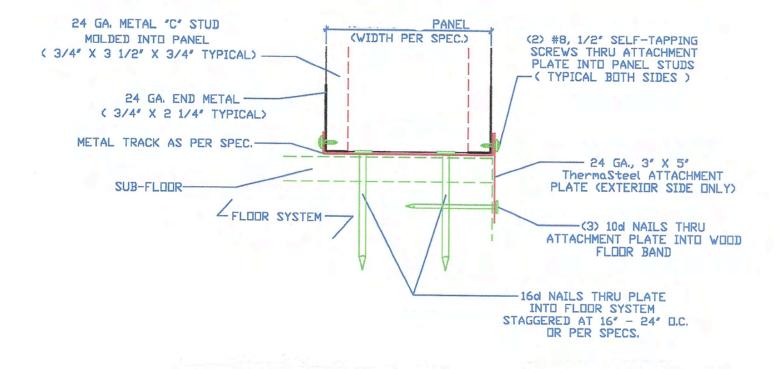
DRAWING B-3

( WITH ANCHOR BOLT AND WOOD PLATE )



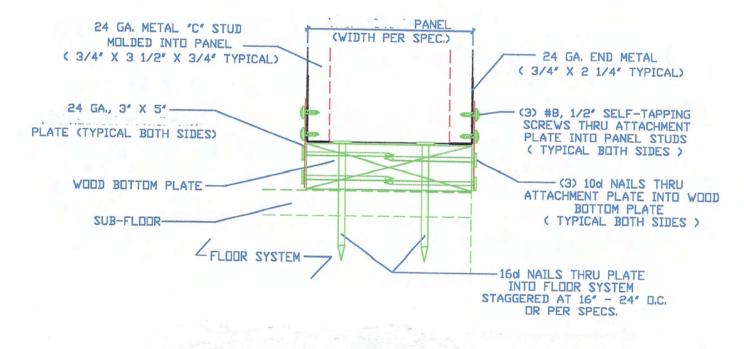
DRAWING B-4

( WITH METAL TRACK NAILED DOWN )



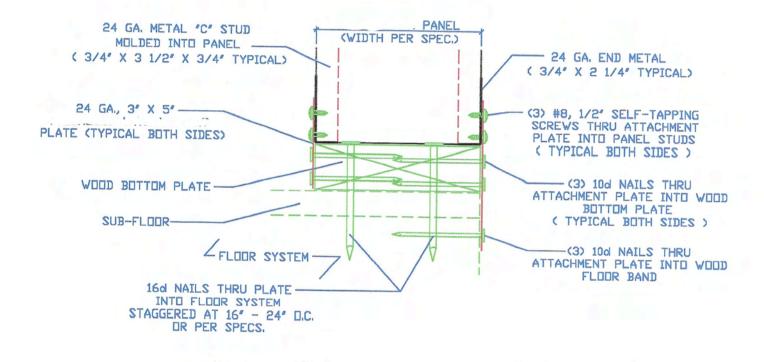
DRAWING B-5

( WITH METAL TRACK NAILED DOWN AND ATTACHMENT PLATES TO FLOOR SYSTEM)



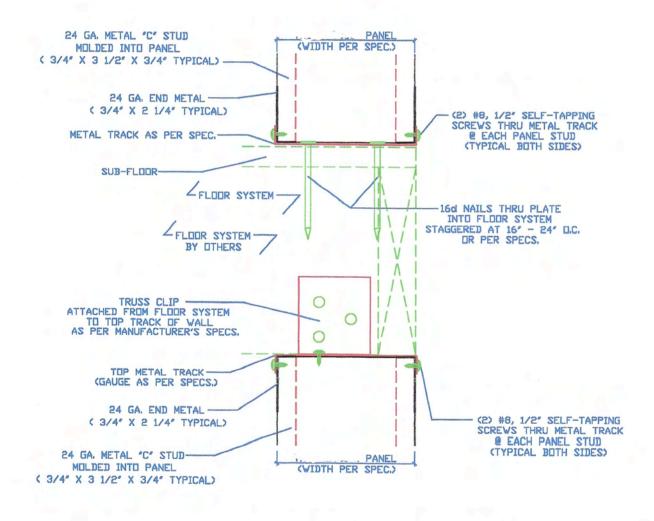
DRAWING B-6

( WITH WOOD PLATE NAILED DOWN )



DRAWING B-7

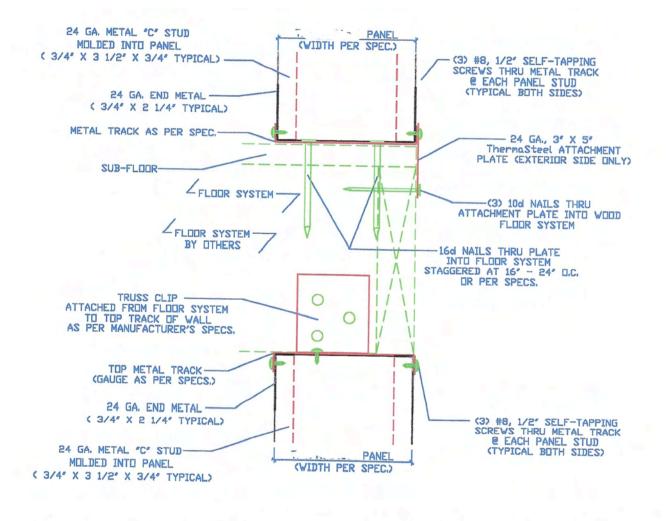
( WITH WOOD PLATE NAILED DOWN AND ATTACHMENT PLATES TO FLOOR SYSTEM )



 PANEL TO FLOOR SYSTEM CONNECTION

 2 FLOORS AND ABOVE
 DRAWING B-8

( WITH METAL TRACK NAILED DOWN )

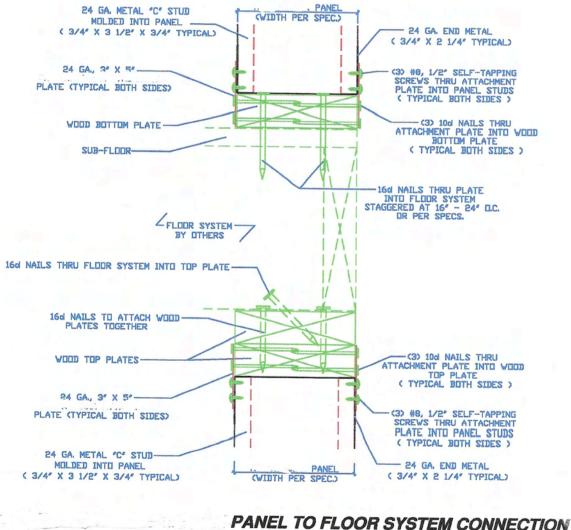


 PANEL TO FLOOR SYSTEM CONNECTION

 2 FLOORS AND ABOVE

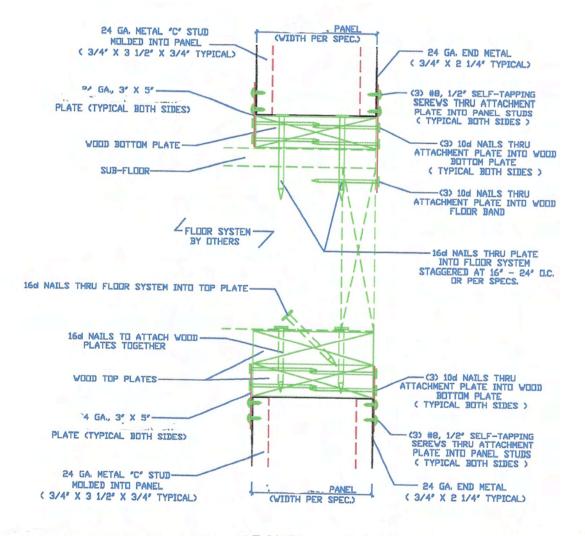
 DRAWING B-9

( WITH METAL TRACK NAILED DOWN )



2 FLOORS AND ABOVE DRAWING B-10

( WITH WOOD PLATE NAILED DOWN )



### PANEL TO FLOOR SYSTEM CONNECTION 2 FLOORS AND ABOVE DRAWING B-11

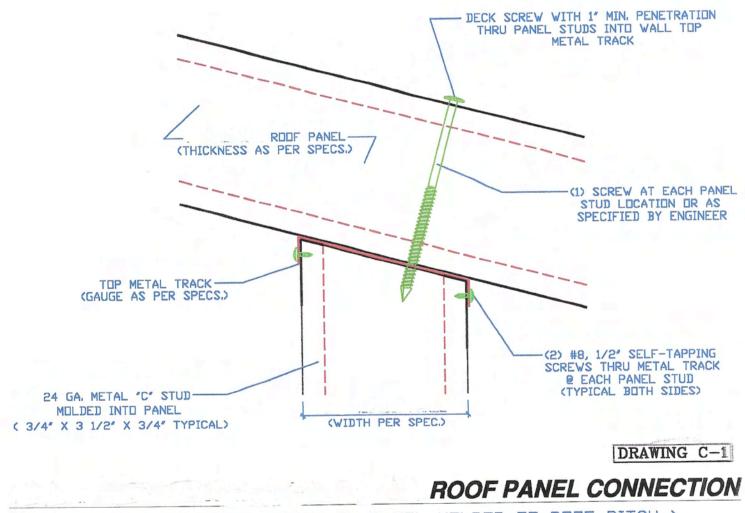
( WITH WOOD PLATE NAILED DOWN AND ATTACHMENT PLATES TO FLOOR SYSTEM )

# **SECTION C**

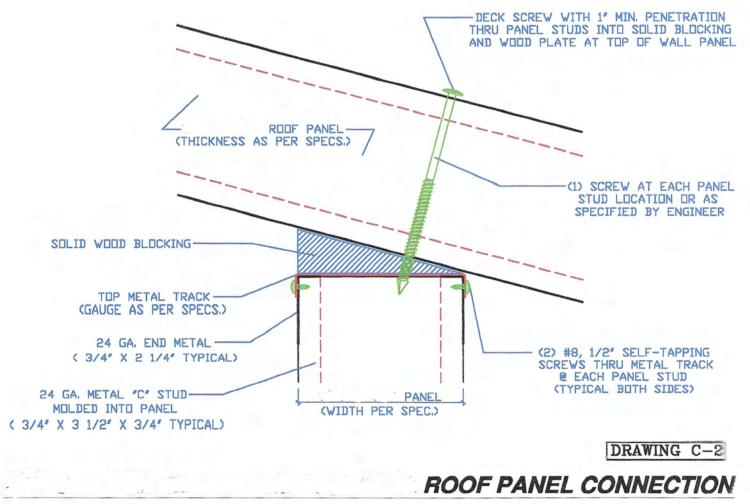
### C-1= ROOF PANEL TO BEVELED WALL PANEL (METAL TRACK)

C-2= ROOF PANEL TO WALL PANEL WITH METAL TRACK AND SOLID BLOCKING

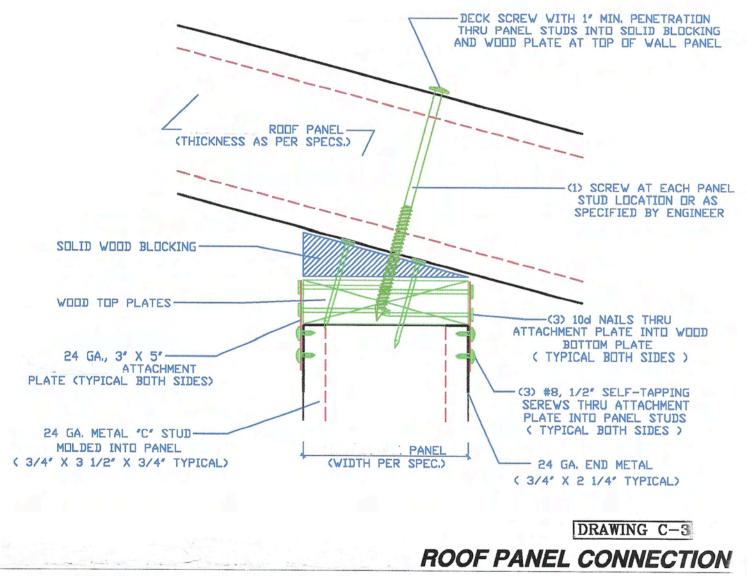
C-3= ROOF PANEL TO WALL PANEL WITH WOOD PLATE AND SOLID BLOCKING



( WITH TOP METAL TRACK ON PANEL MOLDED TO ROOF PITCH )



( WITH TOP METAL TRACK AND SOLID WOOD BLOCKING )

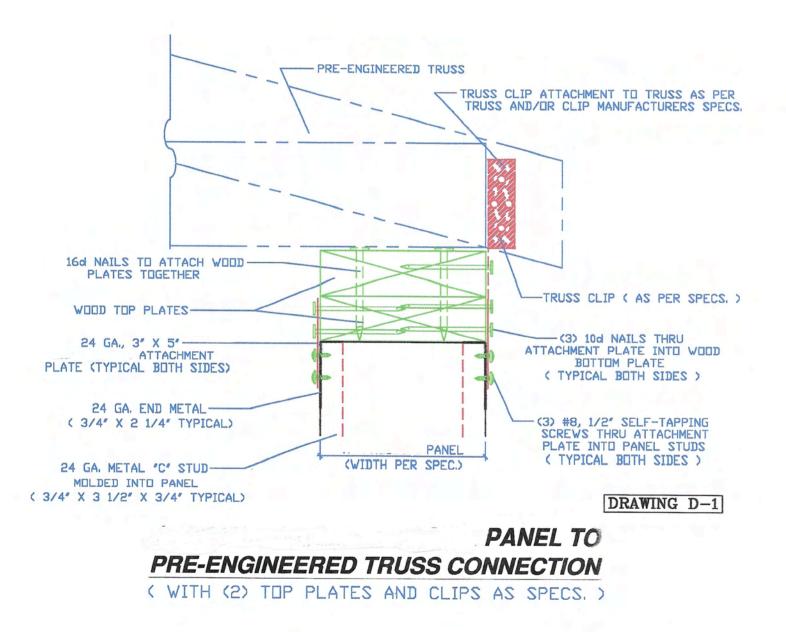


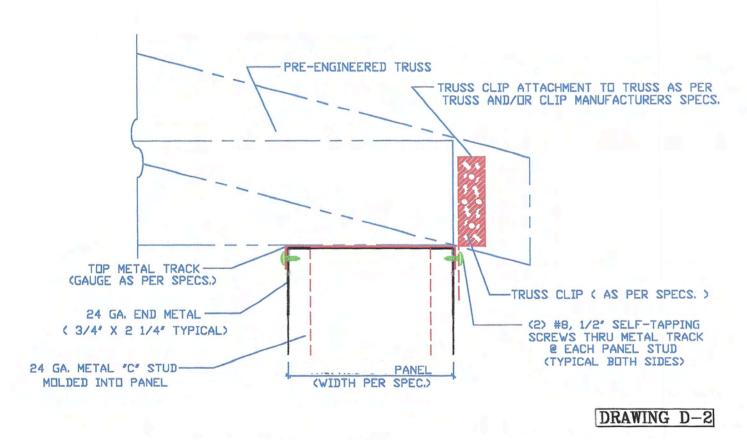
( WITH TOP PLATE AND SOLID WOOD BLOCKING )

# **SECTION D**

D-1= WALL PANEL TO PRE-ENGINEERED TRUSS SYSTEM WITH WOOD PLATES

D-2= WALL PANEL TO PRE-ENGINEERED TRUSS SYSTEM WITH METAL TRACK



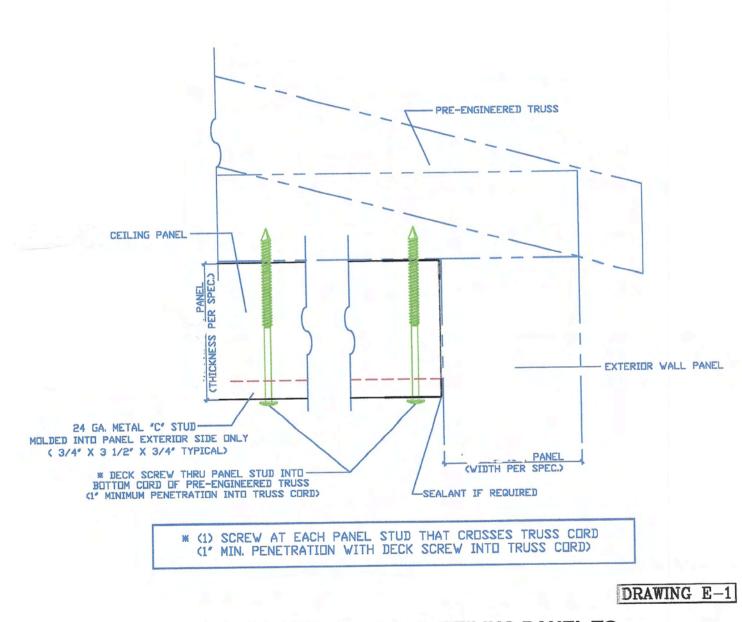


# PANEL TO PRE-ENGINEERED TRUSS CONNECTION

( WITH TOP METAL TRACK AND CLIPS AS SPECS. )

# **SECTION E**

### E-1= CEILING PANEL TO PRE-ENGINEERED TRUSS SYSTEM



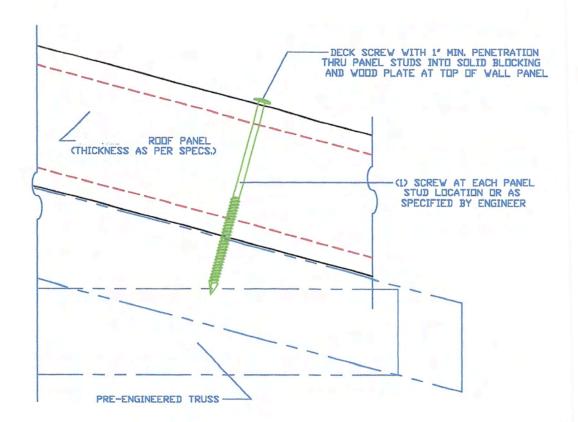
### CEILING PANEL TO PRE-ENGINEERED TRUSS CONNECTION

( WHEN USING CEILING PANELS TO RAFTERS USE SAME PROCEDURE )

# **SECTION F**

### F-1= ROOF PANEL TO PRE-ENGINEERED TRUSS SYSTEM

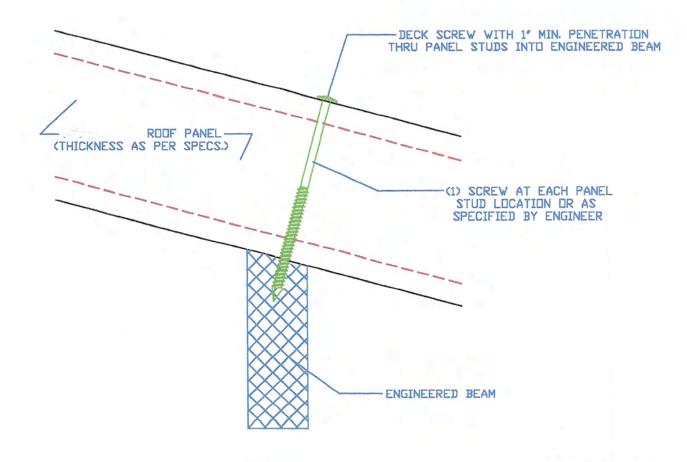
F-2= ROOF PANEL TO PRE-ENGINEERED BEAM



DRAWING F-1

**ROOF PANEL TO** PRE-ENGINEERED TRUSS CONNECTION

( WHEN USING ROOF PANELS TO RAFTERS USE SAME PROCEDURE )



DRAWING F-2

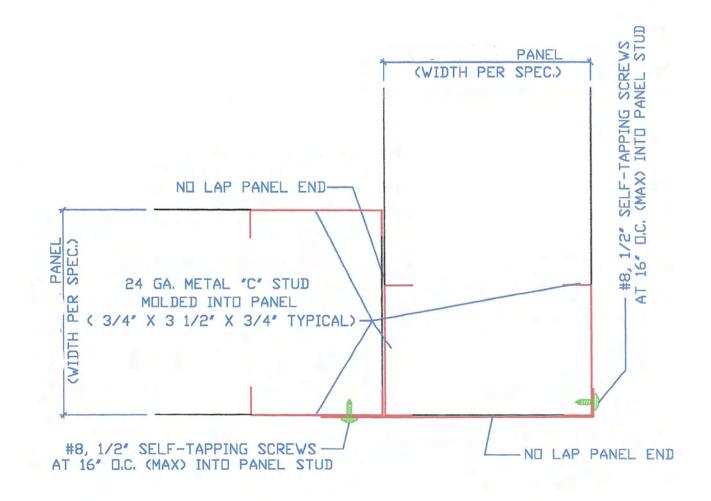
PANEL TO **ROOF PANEL CONNECTION** 

( PANEL TO PRE-ENGINEERED BEAM )

# **SECTION G**

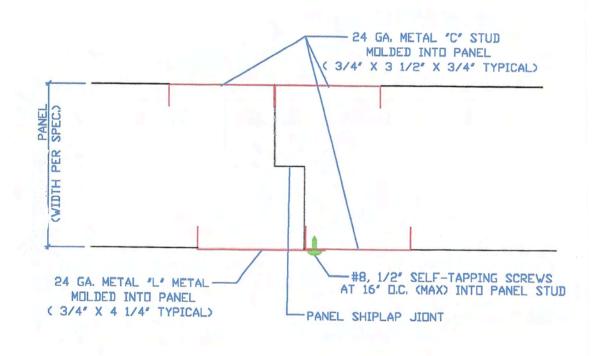
G-1= CORNER CONNECTION DETAIL

G-2= PANEL SHIPLAP DETAIL



# **CORNER CONNECTION**

DRAWING G-1



# SHIPLAP JOINT CONNECTION

DRAWING G-2

REV: 13 SEPT.-00

# **SECTION H**

# **SECTION J**

J-1= TYPICAL (2) STORY SECTION WITH WOOD PLATES AND CMU FOUNDATION

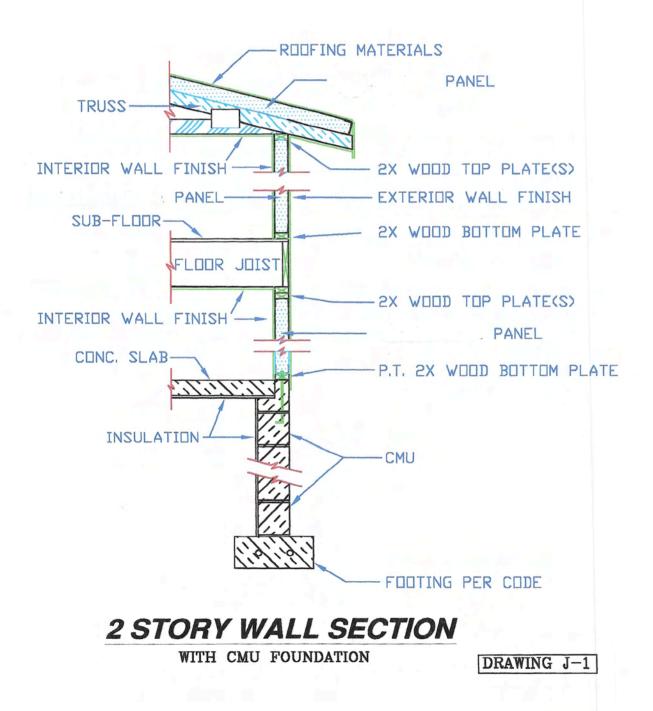
J-2= TYPICAL (2) STORY SECTION WITH WOOD PLATES AND TURNED DOWN SLAB FOUNDATION

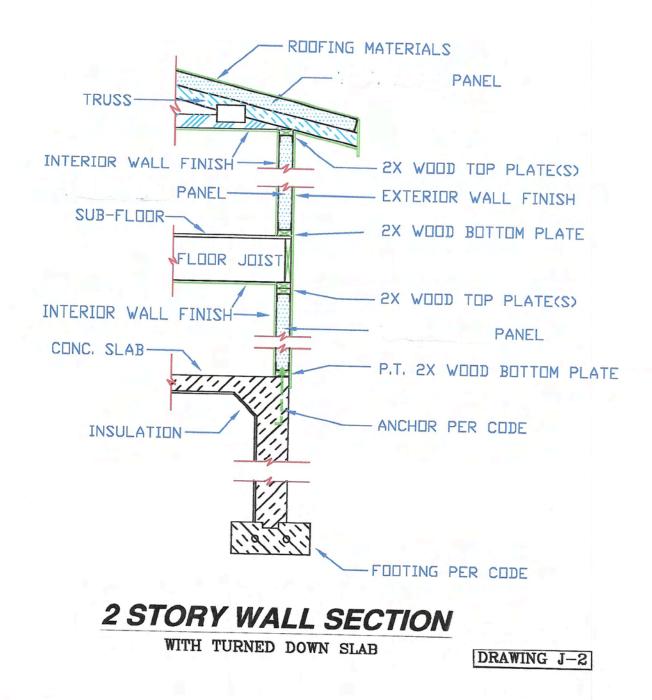
J-3= TYPICAL (1) STORY SECTION WITH WOOD PLATES AND CMU FOUNDATION

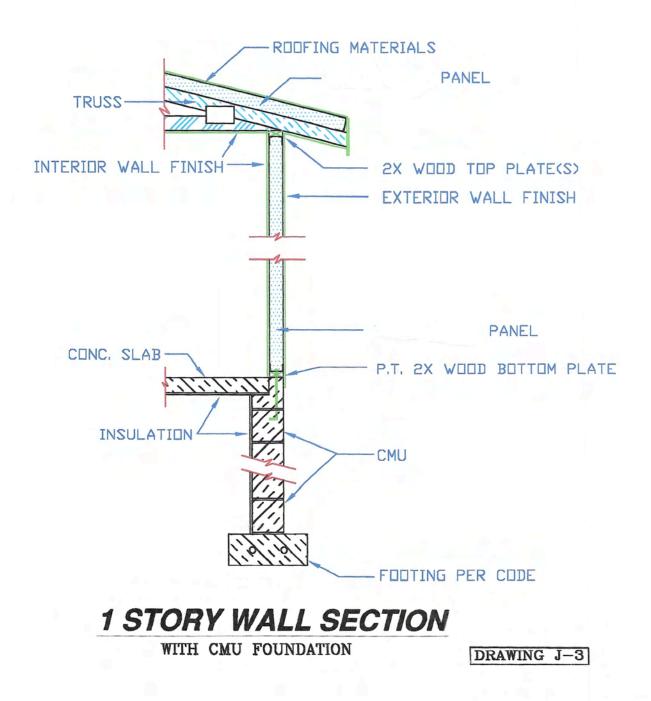
J-4= TYPICAL (1) STORY SECTION WITH METAL TRACK AND CMU FOUNDATION

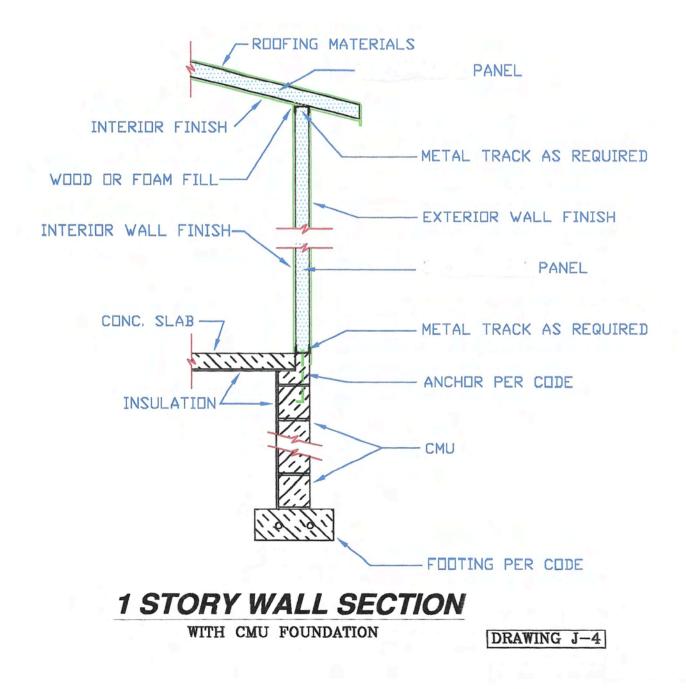
J-5= TYPICAL (1) STORY SECTION WITH WOOD PLATES AND TURNED DOWN SLAB FOUNDATION

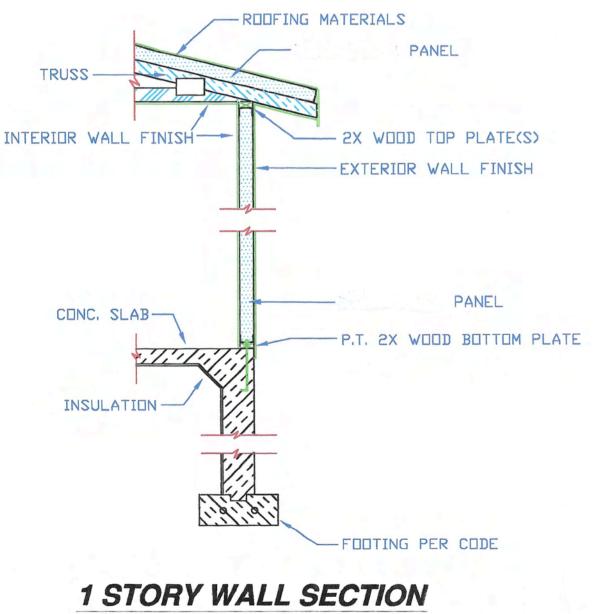
J-6 = TYPICAL (1) STORY SECTION WITH METAL TRACK AND TURNED DOWN SLAB FOUNDATION





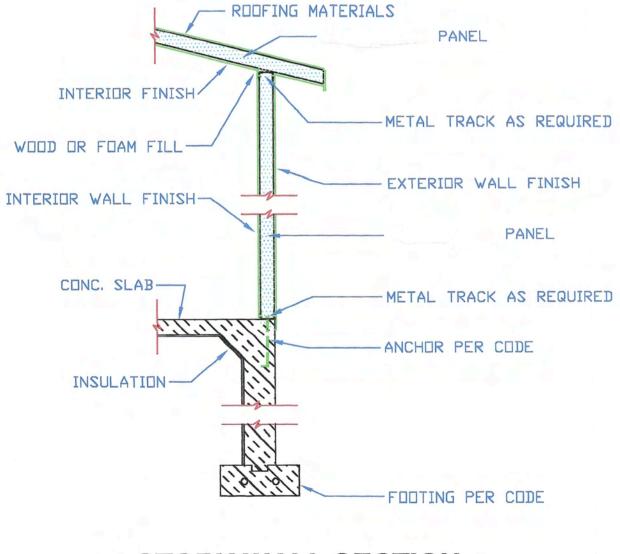






WITH TURNED DOWN SLAB

DRAWING J-5



#### **1 STORY WALL SECTION**

WITH TURNED DOWN SLAB

DRAWING J-6

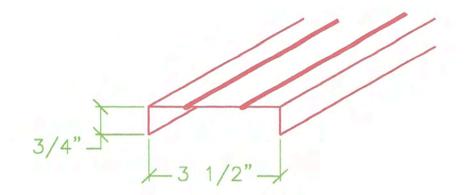
#### **SECTION K**

K-1= TYPICAL METAL PROFILES (STANDARD STUD AND "LEADING EDGE" METAL)

K-2= TYPICAL METAL PROFILES (END "L" METAL AND ATTACHMENT PLATE)

K-3= TYPICAL METAL PROFILES (RIDGE CAP METAL AND HEAVY GAUGE STUD)

K-4= TYPICAL METAL PROFILES (METAL TRACK)



**TYPICAL** "C" STUD PROFILE

( 24 GAUGE, G-90 )



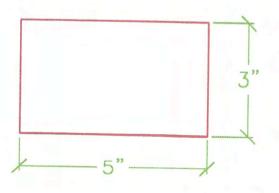
( 24 GAUGE, G-90 )

3/4" +2 1/4"



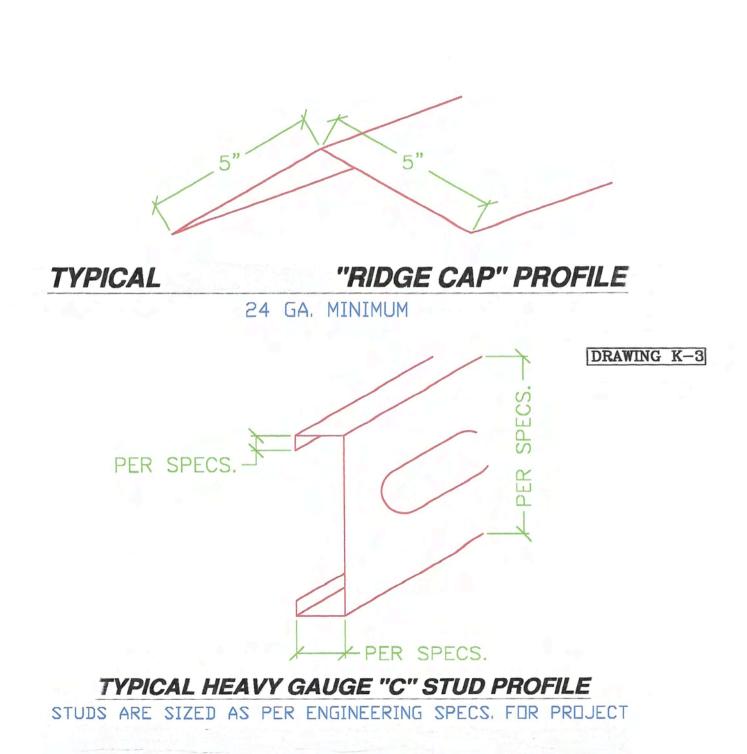
( 24 GAUGE, G-90 )

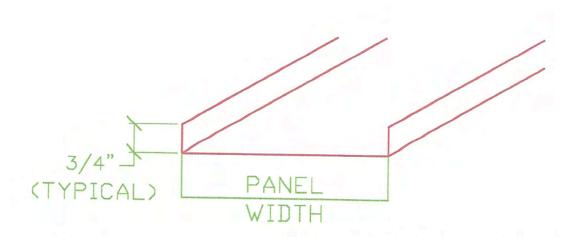
DRAWING K-2





24 GA. MINIMUM





# TYPICAL "METAL TRACK" PROFILE

( \* 24 GAUGE MINIMUM, G-90 )
\* GAUGE DF METAL AND DEPTH DF LEGS
ARE AS PER SPECIFICATIONS IF REQUIRED

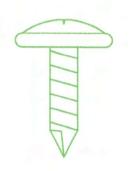
DRAWING K-4

# **SECTION L**

L-1= #8, 1/2" SELF-TAPPING SCREWS

L-2= 5" DECK SCREW

L-3= 7" DECK SCREW



### TYPICAL ATTACHMENT SCREW

#8 X 1/2" (LASER CONSTRUCTION FASTENERS # 00311230320200 DR EQUAL)

DRAWING L-1

# TYPICAL5" DECK SCREWMULE-HIDE DRILL POINT OR EQUIVALENT

DRAWING L-2

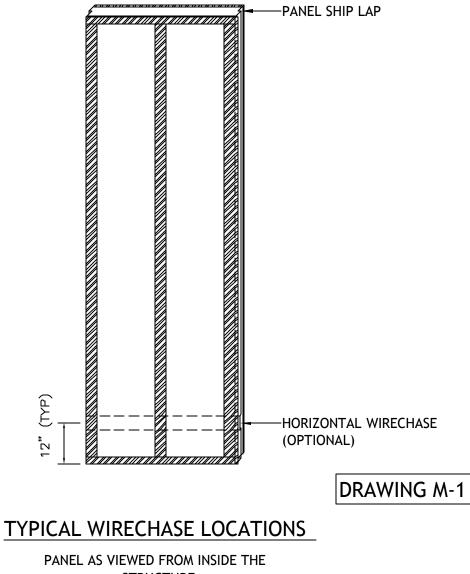
# TYPICAL7" DECK SCREWMULE-HIDE DRILL POINT OR EQUIVALENT

C

DRAWING L-3

# **SECTION M**

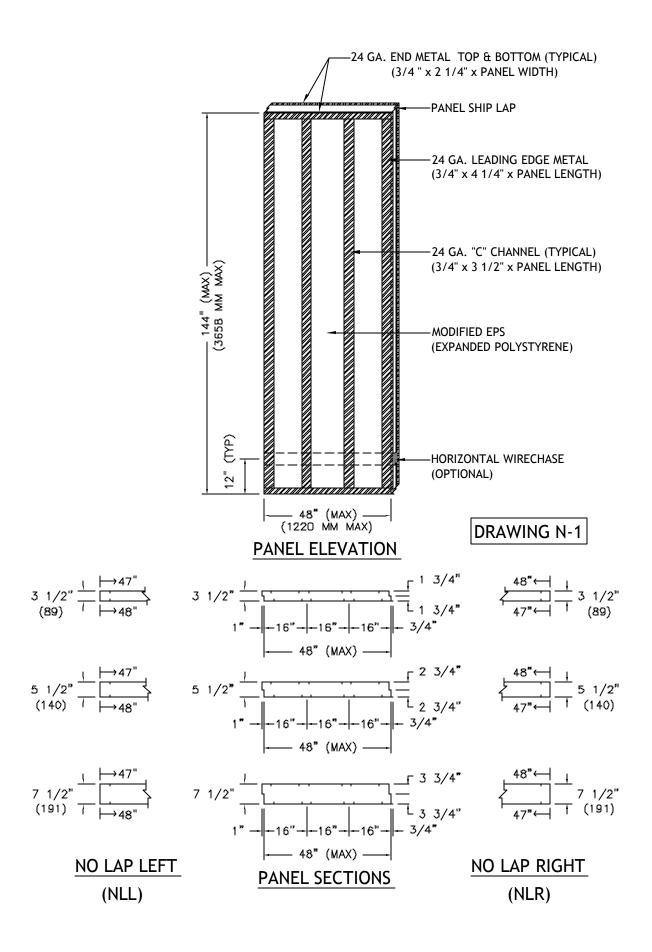
#### M-1 = STANDARD WIRECHASE PLACEMENT IN A STAND PANEL

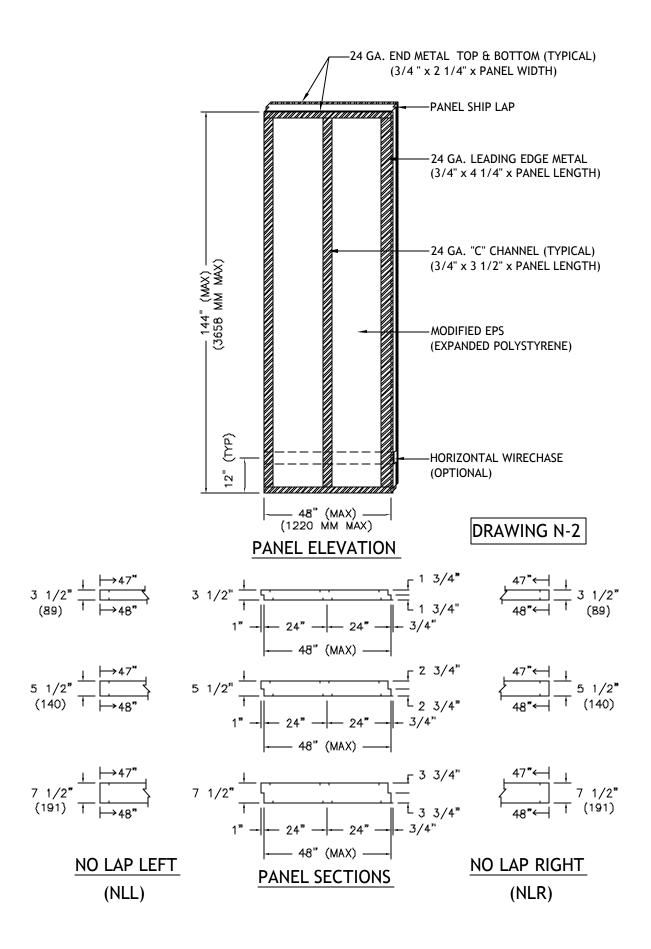


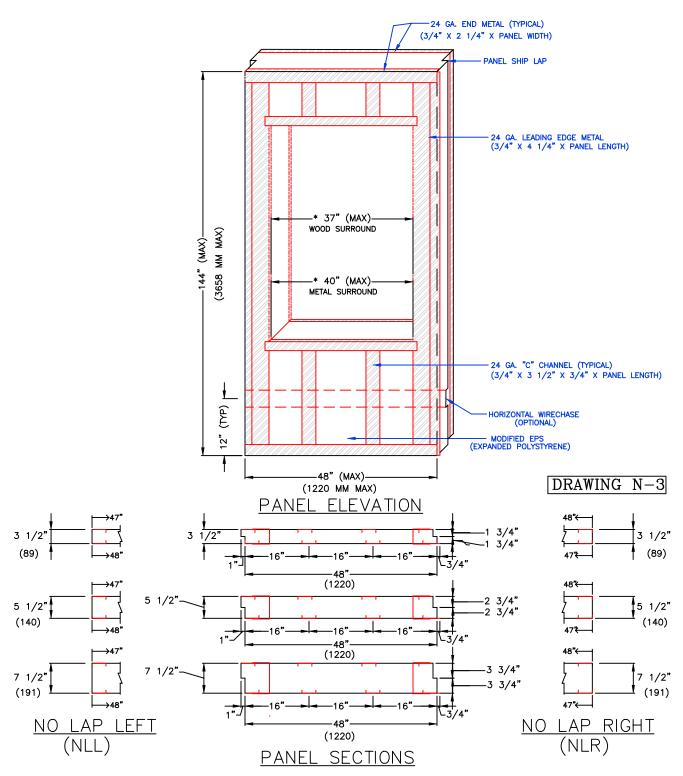
STRUCTURE

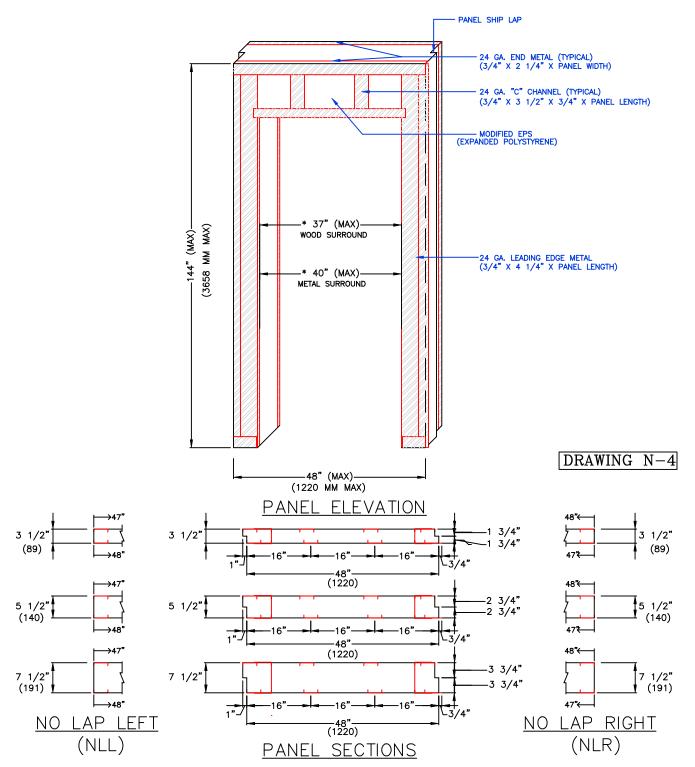
### **SECTION N**

- N-1= STANDARD WALL PANEL 16" O.C.
- N-2= STANDARD WALL PANEL 24" O.C.
- N-3= STANDARD WINDOW PANEL
- N-4= STANDARD DOOR PANEL
- N-5= STANDARD HEADER PANEL
- N-6= STANDARD CONCRETE "T-BEAM" PANEL

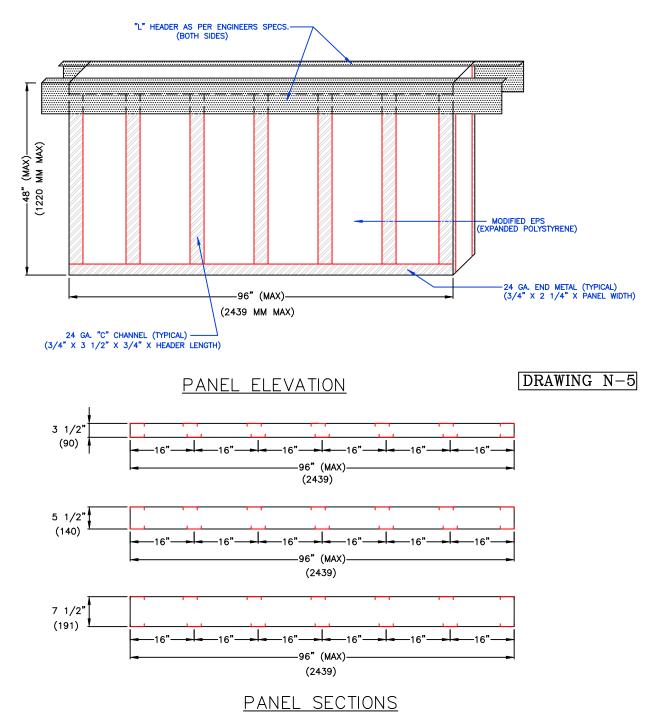


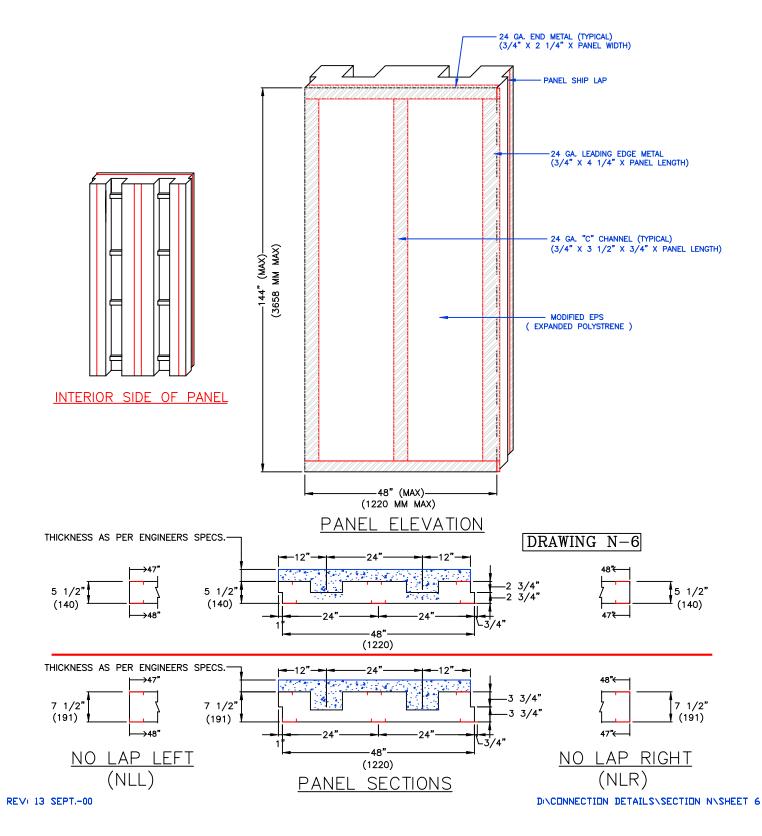


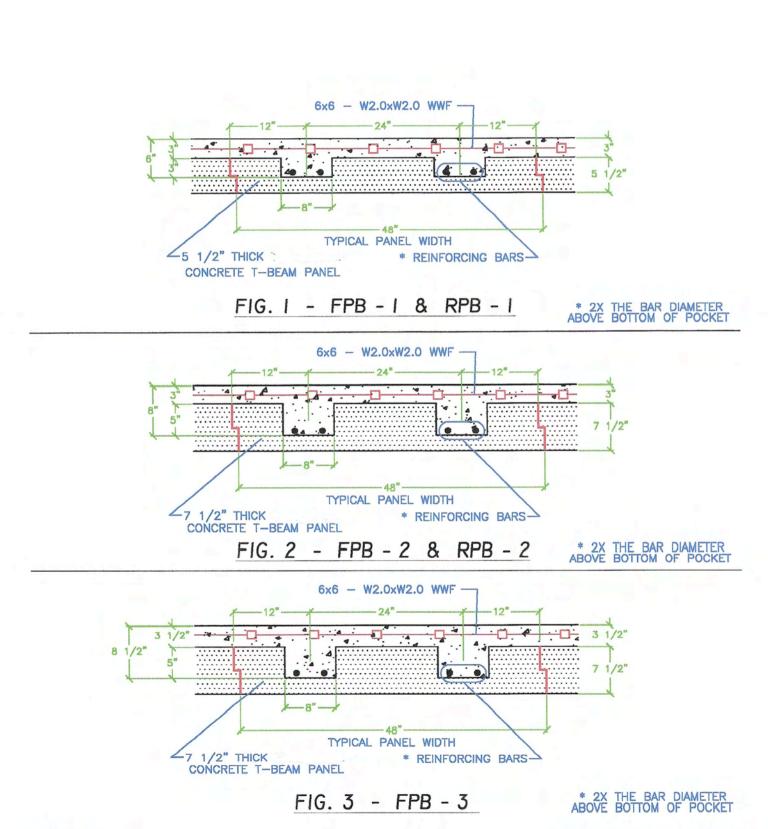


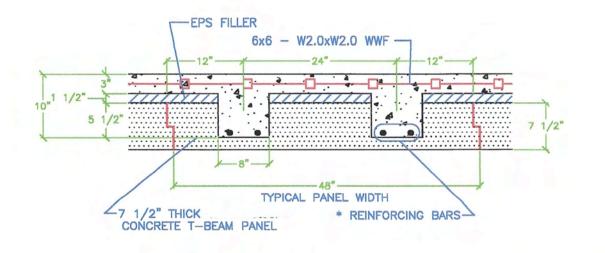


#### DO NOT EXCEED PANEL DESIGN LIMITATIONS









#### FIG. 4 - RPB - 3 & FPB - 4 \* 2X THE BAR DIAMETER ABOVE BOTTOM OF POCKET

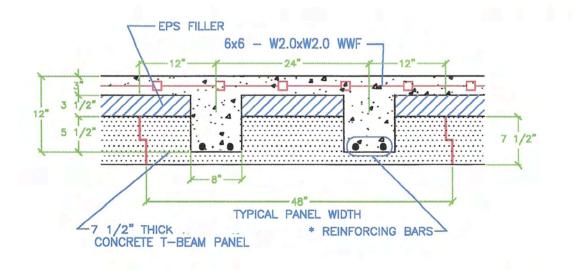


FIG. 5 - RPB - 4 & FPB - 5 \* 2X THE BAR DIAMETER ABOVE BOTTOM OF POCKET

#### STRUCTURAL ANALYSIS FOR ROOF PANEL INSULAR T – BEAM

TYPE OF ROOF PANELLING	SPAN (FT)	RESISTING MOMENT (FT-LBS)	REINFORCING BARS (BOTTOM)
<b>RPB -1</b> (SEE FIG. 1)	10	2750	2 - #4
	12	3960	2 - #4
	14	5400	2 - #5
<b>RPB - 2</b> (SEE FIG. 2)	16	7040	2 - #5
	18	9850	2 - #5
	20	12150	2 - #6
<b>RPB - 3</b> (SEE FIG. 4)	22	16100	2 - #6
	24	19160	2 - #6
<b>RPB - 4</b> (SEE FIG. 5)	26	24420	2 - #6
	28	28330	2 - #7
	30	32520	2 - #7

#### STRUCTURAL ANALYSIS FOR FLOOR PANEL INSULAR T – BEAM

TYPE OF FLOOR PANELLING	SPAN (FT)	RESISTING MOMENT (FT- LBS)	REINFORCING BARS (BOTTOM)
<b>FPB -1</b> (SEE FIG. 1)	10	3670	2 - #4
	12	5290	2 - #5
<b>FPB - 2</b> (SEE FIG. 2)	14	7840	2 - #5
	16	10240	2 - #5
	18	12960	2 - #6
<b>FPB - 3</b> (SEE FIG. 3)	20	16250	2 - #6
<b>FPB - 4</b> (SEE FIG. 4)	22	20180	2 - #6
<b>FPB - 5</b> (SEE FIG. 5)	24	26650	2 - #6