

RECOMMENDED ATTACHMENTS & CONNECTION DETAILS

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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:

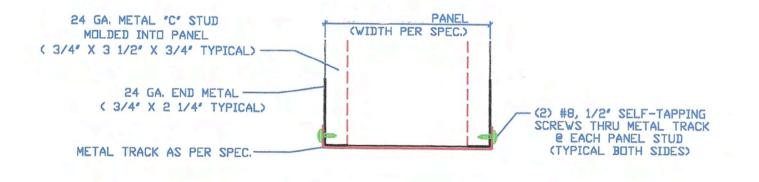
M-1 = STANDARD WIRECHASE PLACEMENT IN A STAND PANEL

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:

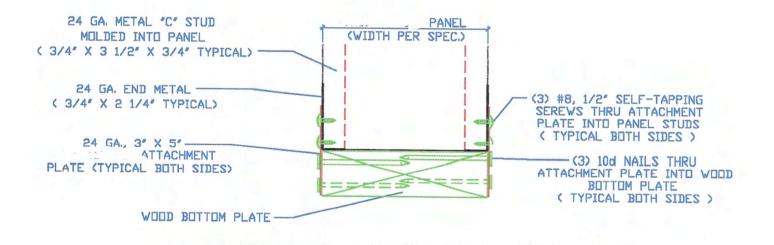
A-1 = METAL TRACK TO PANEL ATTACHMENT A-2 = WOOD PLATE TO PANEL ATTACHMENT



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

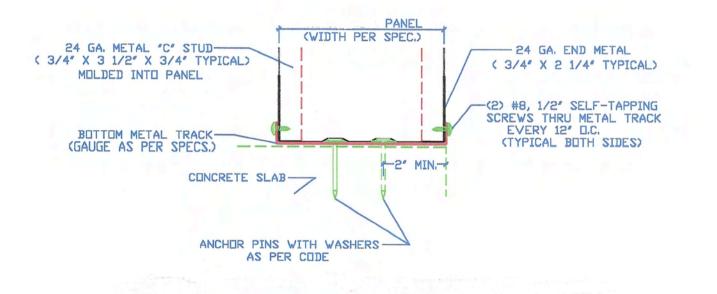
B-7= METAL PLATE TO WOOD FLOOR SYSTEM ATTACHMENT (PREFERRED)

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

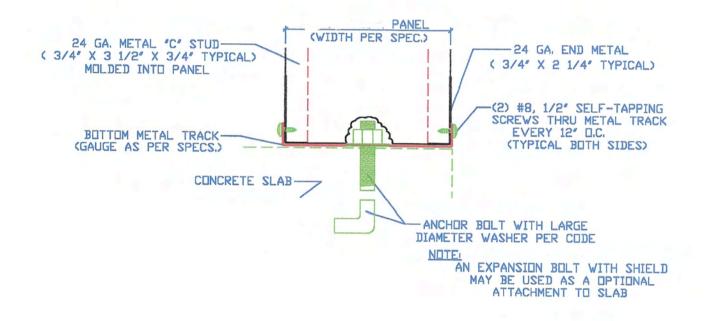
B-11= MULTI-STORY PANEL TO WOOD FLOOR SYSTEM WITH WOOD PLATE ATTACHMENT (PREFERRED)



CONCRETE SLAB CONNECTION

DRAWING B-1

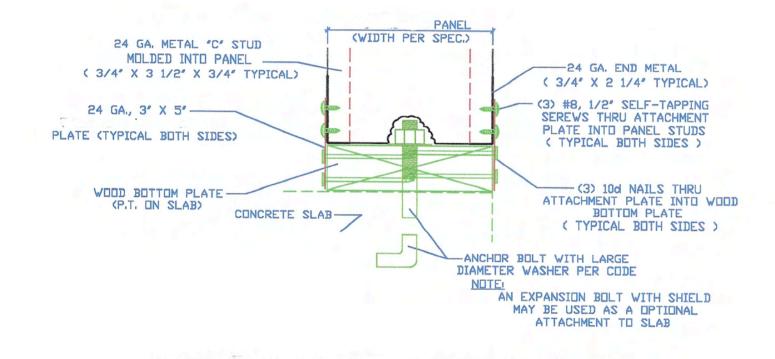
(WITH ANCHOR PINS AND METAL TRACK)



CONCRETE SLAB CONNECTION

DRAWING B-2

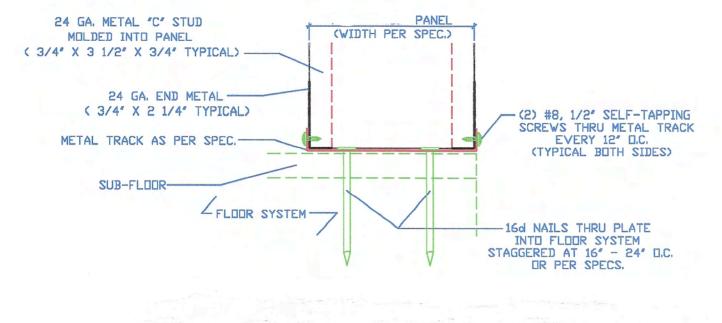
(WITH ANCHOR BOLT AND METAL TRACK)



CONCRETE SLAB CONNECTION

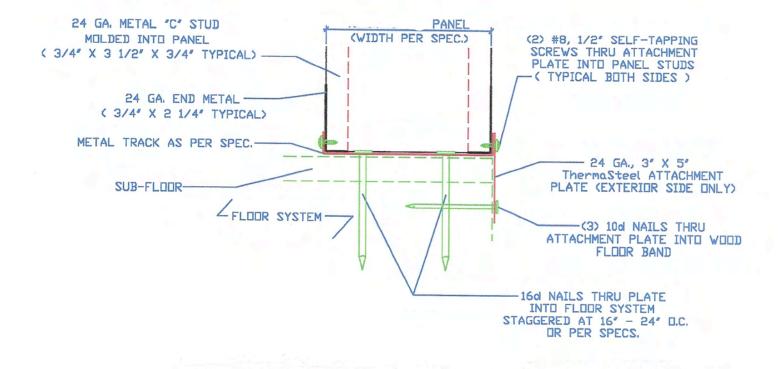
DRAWING B-3

(WITH ANCHOR BOLT AND WOOD PLATE)



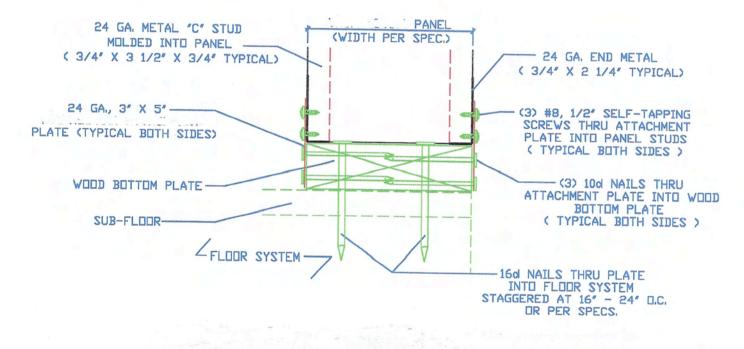
DRAWING B-4

(WITH METAL TRACK NAILED DOWN)



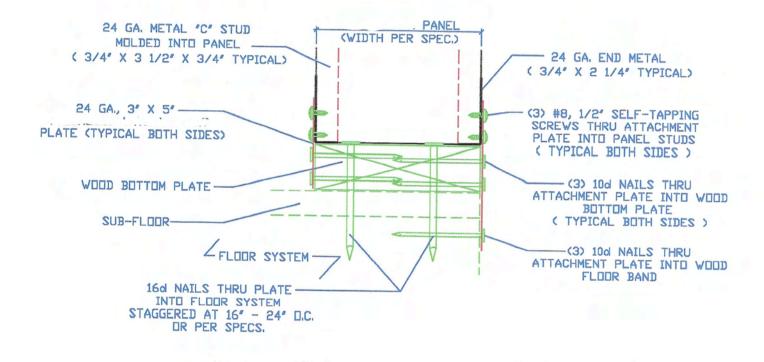
DRAWING B-5

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



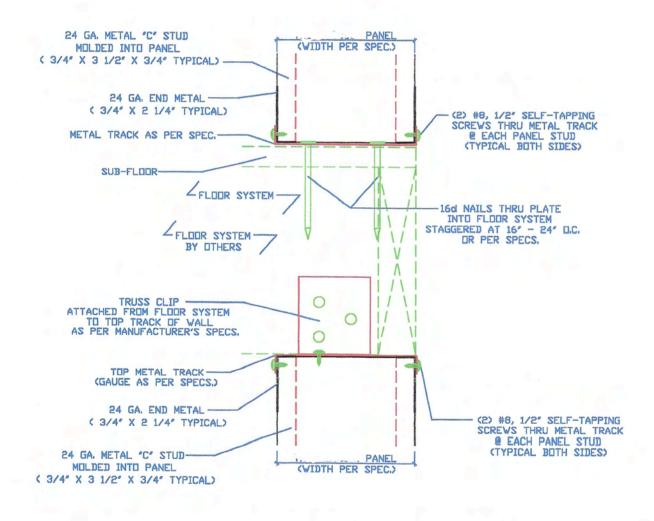
DRAWING B-6

(WITH WOOD PLATE NAILED DOWN)



DRAWING B-7

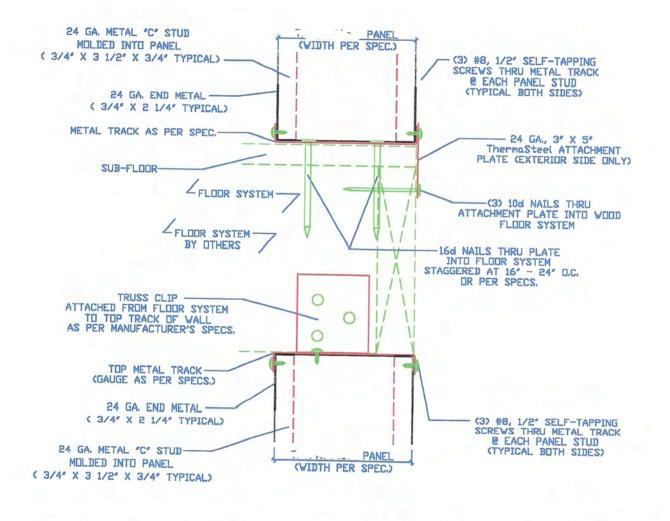
(WITH WOOD PLATE NAILED DOWN AND ATTACHMENT PLATES TO FLOOR SYSTEM)



 PANEL TO FLOOR SYSTEM CONNECTION

 2 FLOORS AND ABOVE
 DRAWING B-8

(WITH METAL TRACK NAILED DOWN)

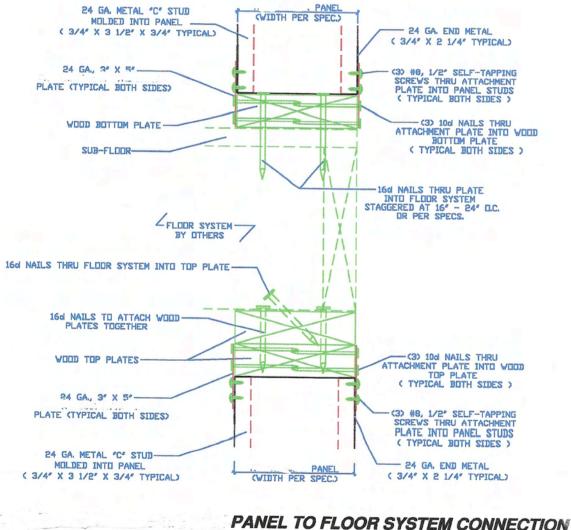


 PANEL TO FLOOR SYSTEM CONNECTION

 2 FLOORS AND ABOVE

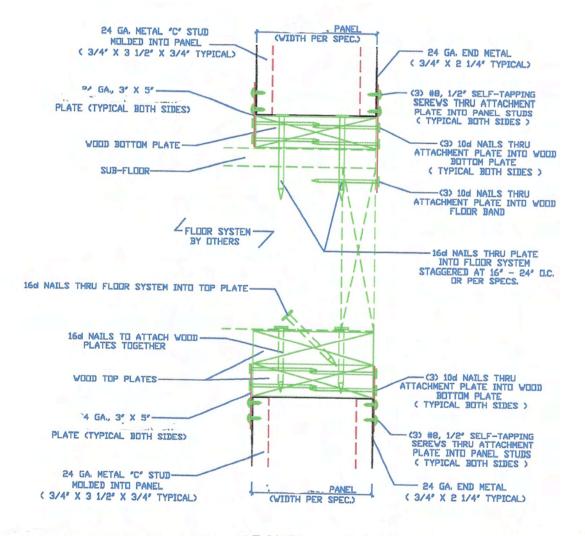
 DRAWING B-9

(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

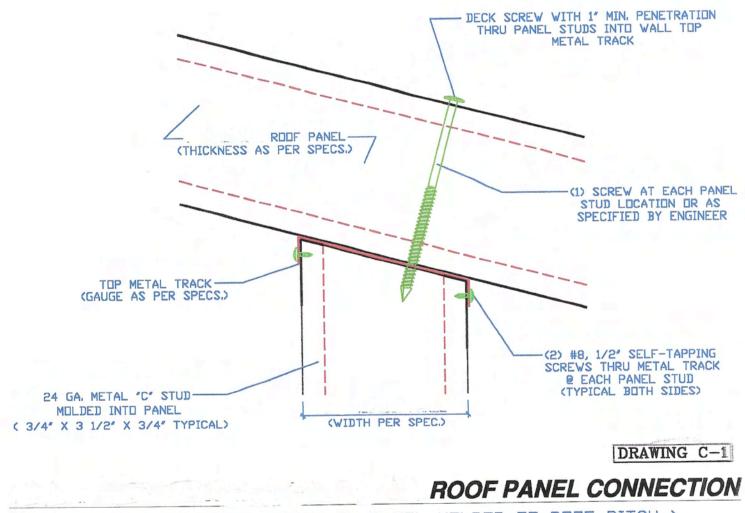
(WITH WOOD PLATE NAILED DOWN AND ATTACHMENT PLATES TO FLOOR SYSTEM)

SECTION C

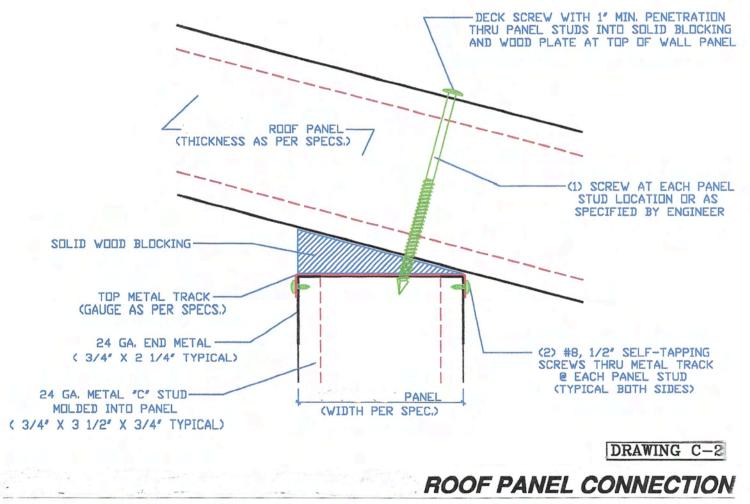
C-1= ROOF PANEL TO BEVELED WALL PANEL (METAL TRACK)

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

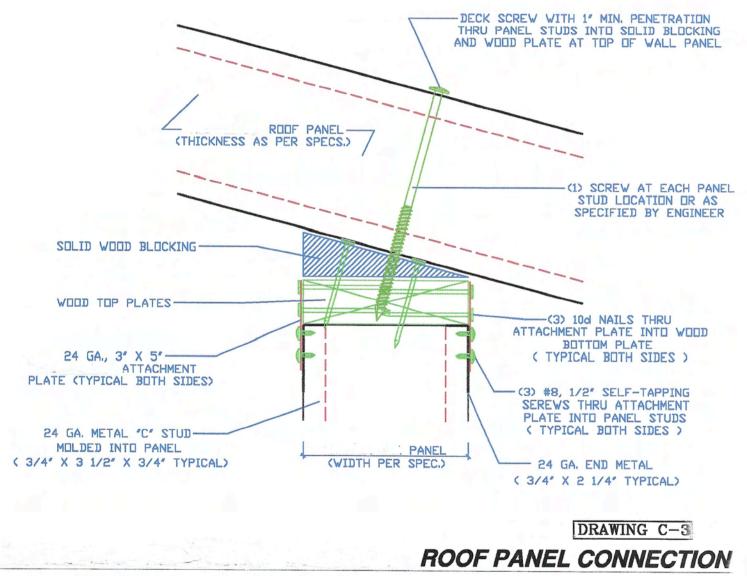
C-3= ROOF PANEL TO WALL PANEL WITH WOOD PLATE AND SOLID BLOCKING



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



(WITH TOP METAL TRACK AND SOLID WOOD BLOCKING)

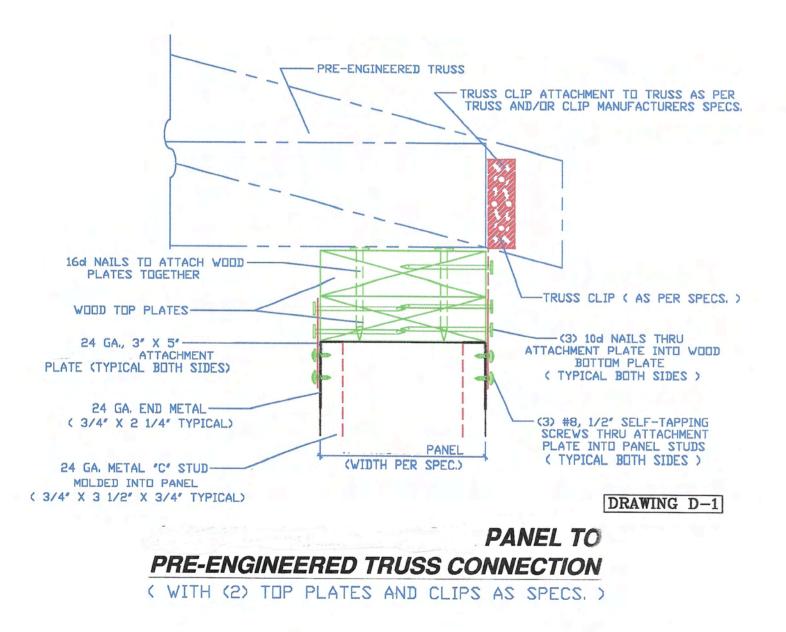


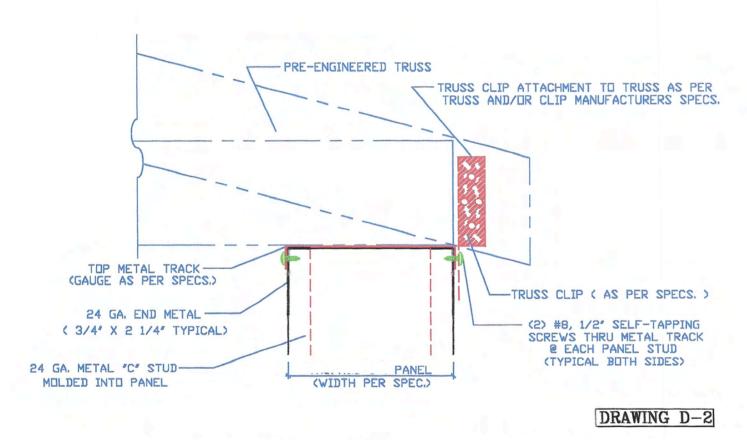
(WITH TOP PLATE AND SOLID WOOD BLOCKING)

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



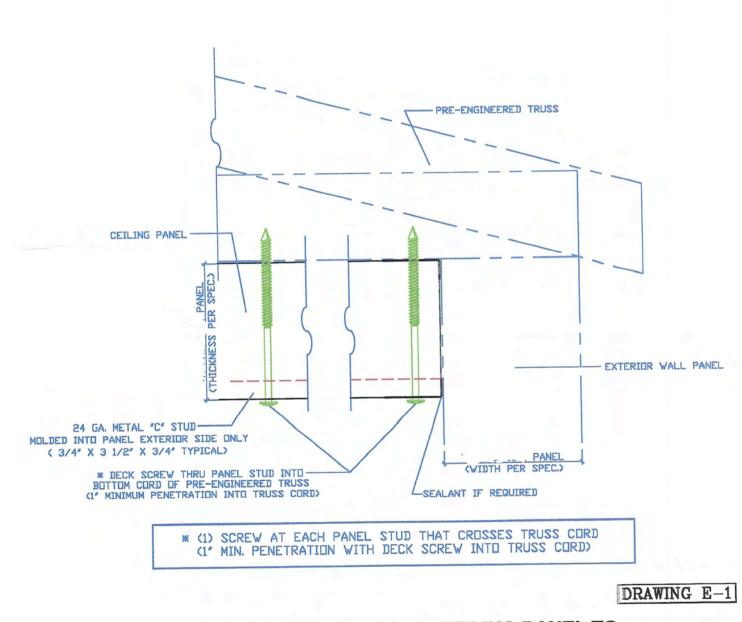


PANEL TO PRE-ENGINEERED TRUSS CONNECTION

(WITH TOP METAL TRACK AND CLIPS AS SPECS.)

SECTION E

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



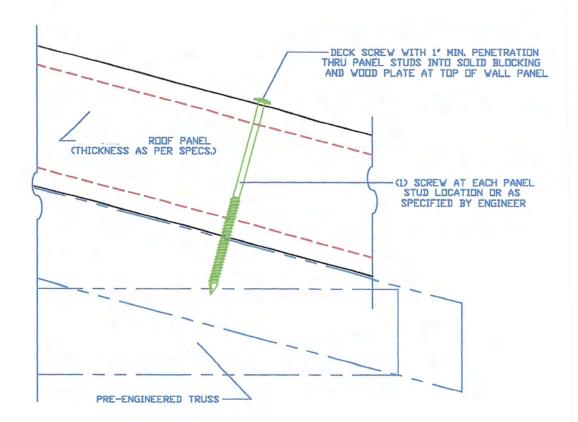
CEILING PANEL TO PRE-ENGINEERED TRUSS CONNECTION

(WHEN USING CEILING PANELS TO RAFTERS USE SAME PROCEDURE)

SECTION F

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

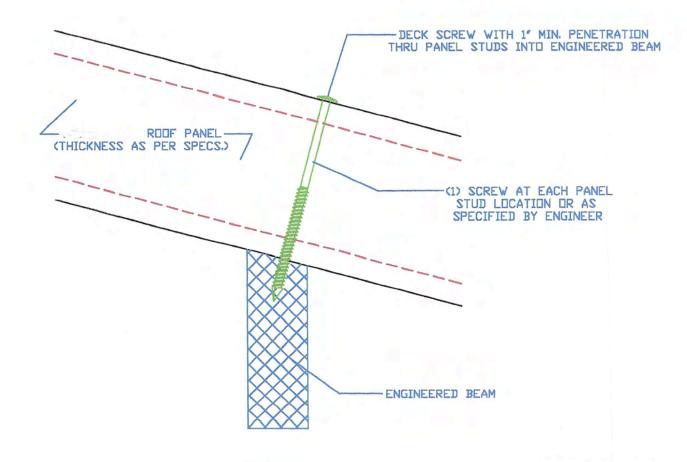
F-2= ROOF PANEL TO PRE-ENGINEERED BEAM



DRAWING F-1

ROOF PANEL TO PRE-ENGINEERED TRUSS CONNECTION

(WHEN USING ROOF PANELS TO RAFTERS USE SAME PROCEDURE)



DRAWING F-2

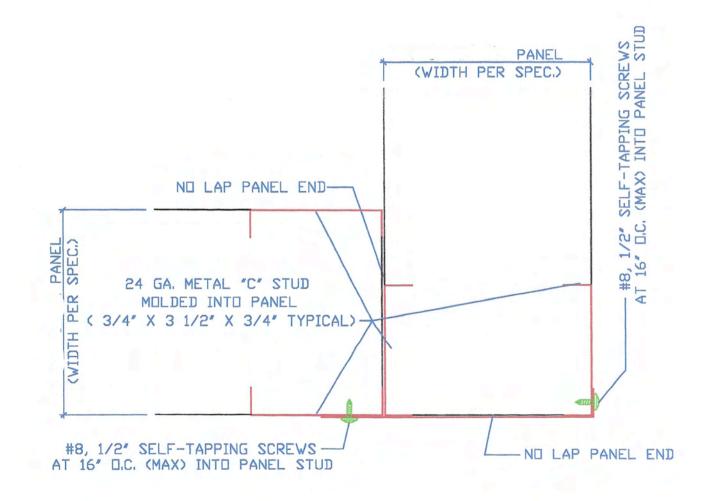
PANEL TO **ROOF PANEL CONNECTION**

(PANEL TO PRE-ENGINEERED BEAM)

SECTION G

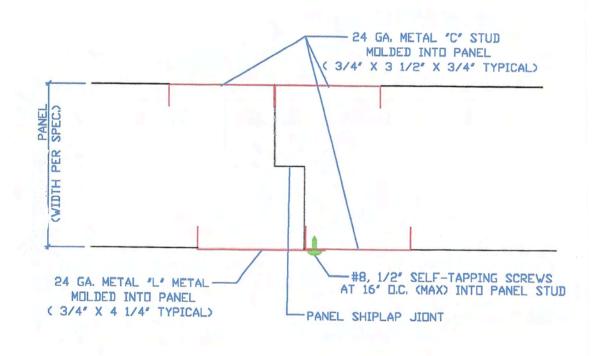
G-1= CORNER CONNECTION DETAIL

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

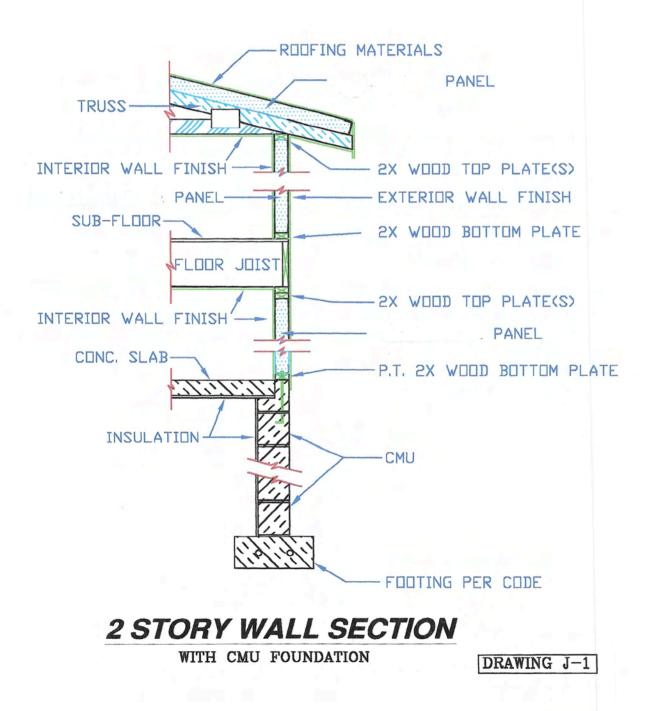
J-2= TYPICAL (2) STORY SECTION WITH WOOD PLATES AND TURNED DOWN SLAB FOUNDATION

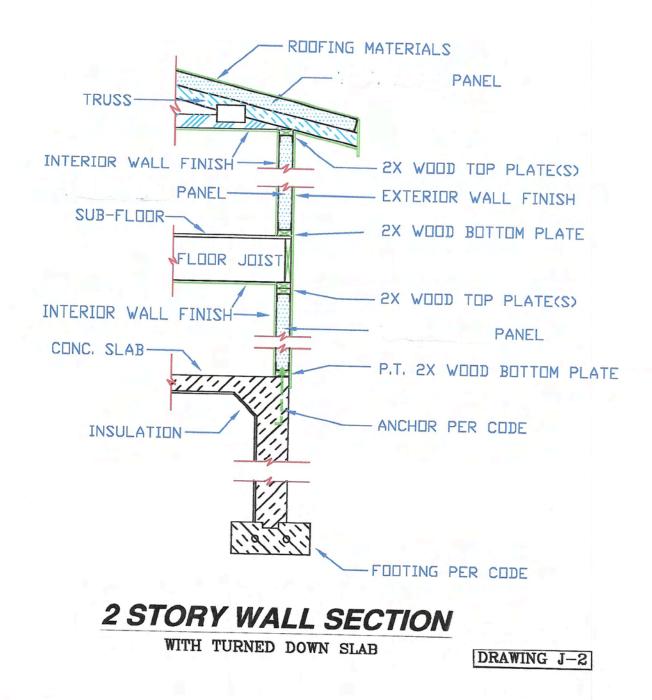
J-3= TYPICAL (1) STORY SECTION WITH WOOD PLATES AND CMU FOUNDATION

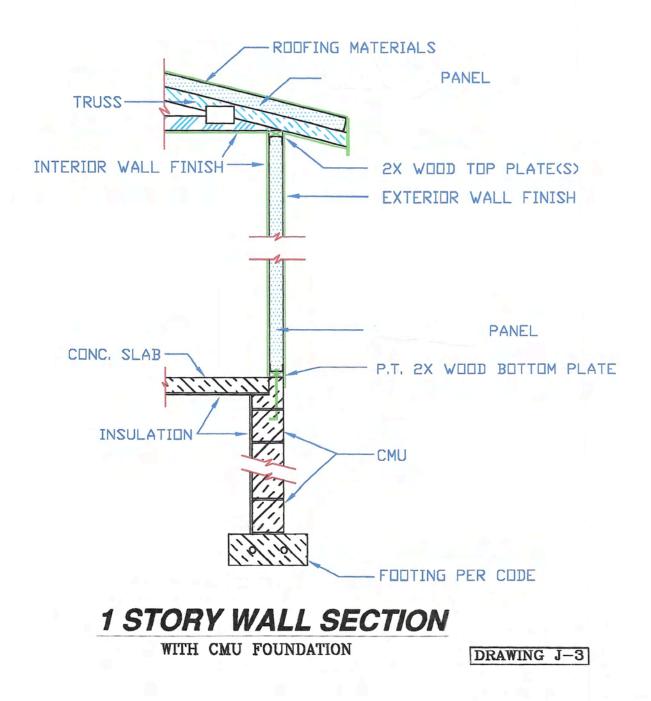
J-4= TYPICAL (1) STORY SECTION WITH METAL TRACK AND CMU FOUNDATION

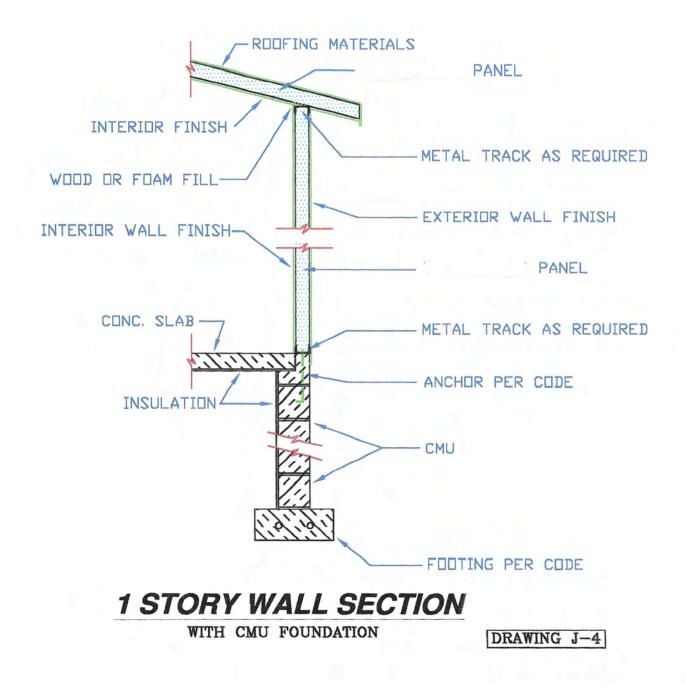
J-5= TYPICAL (1) STORY SECTION WITH WOOD PLATES AND TURNED DOWN SLAB FOUNDATION

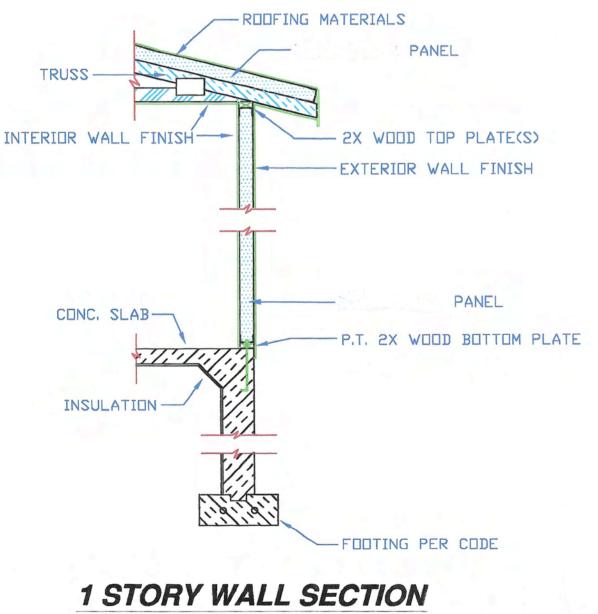
J-6 = TYPICAL (1) STORY SECTION WITH METAL TRACK AND TURNED DOWN SLAB FOUNDATION





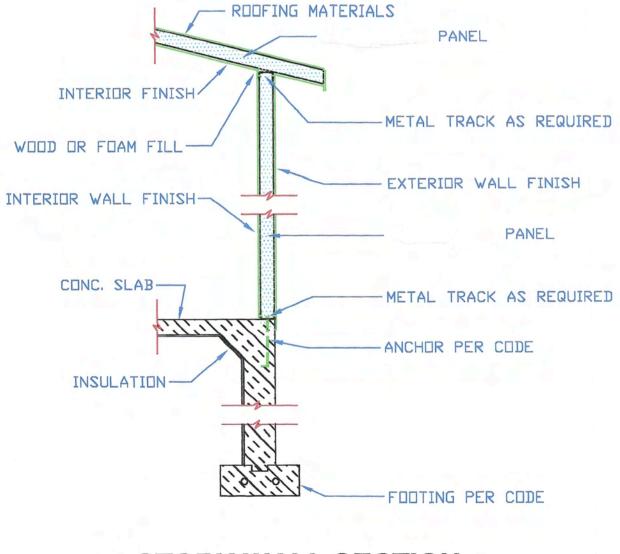






WITH TURNED DOWN SLAB

DRAWING J-5



1 STORY WALL SECTION

WITH TURNED DOWN SLAB

DRAWING J-6

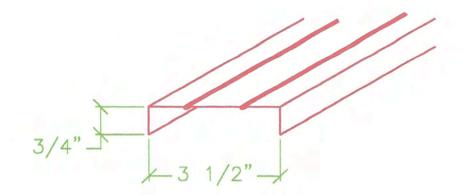
SECTION K

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)



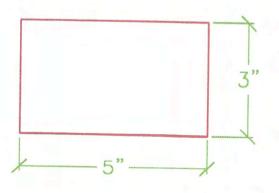
(24 GAUGE, G-90)

3/4" +2 1/4"



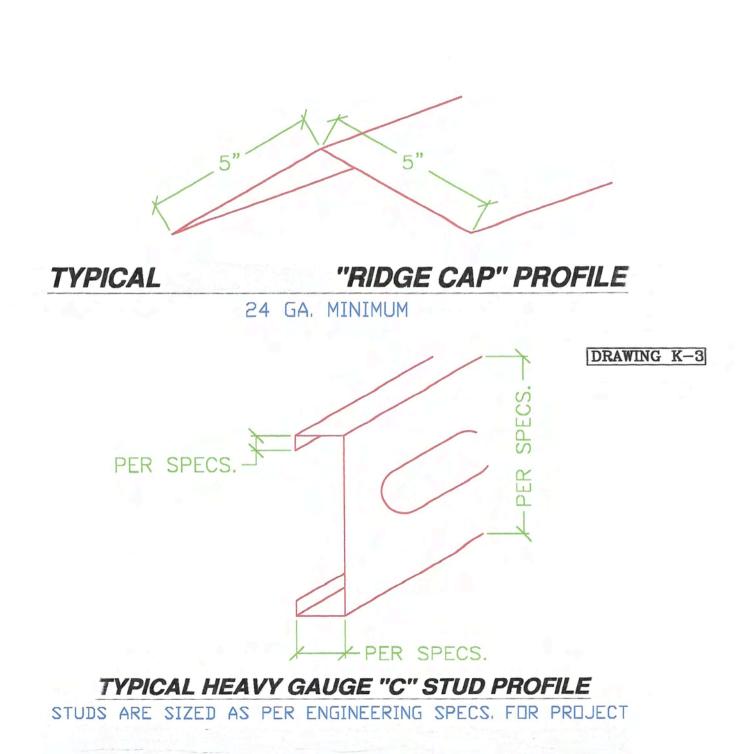
(24 GAUGE, G-90)

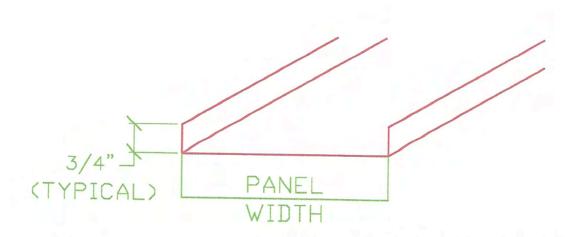
DRAWING K-2





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

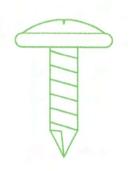
DRAWING K-4

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

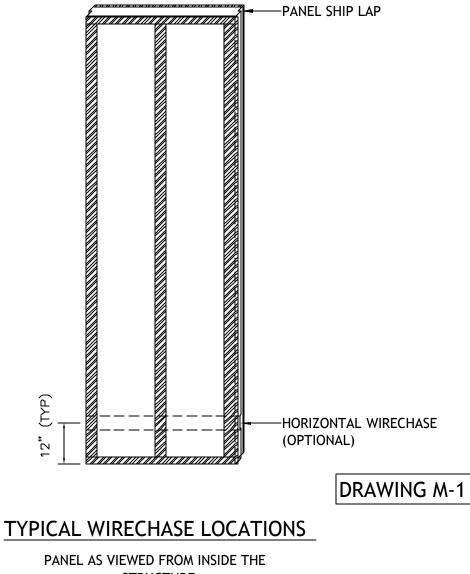
TYPICAL7" DECK SCREWMULE-HIDE DRILL POINT OR EQUIVALENT

C

DRAWING L-3

SECTION M

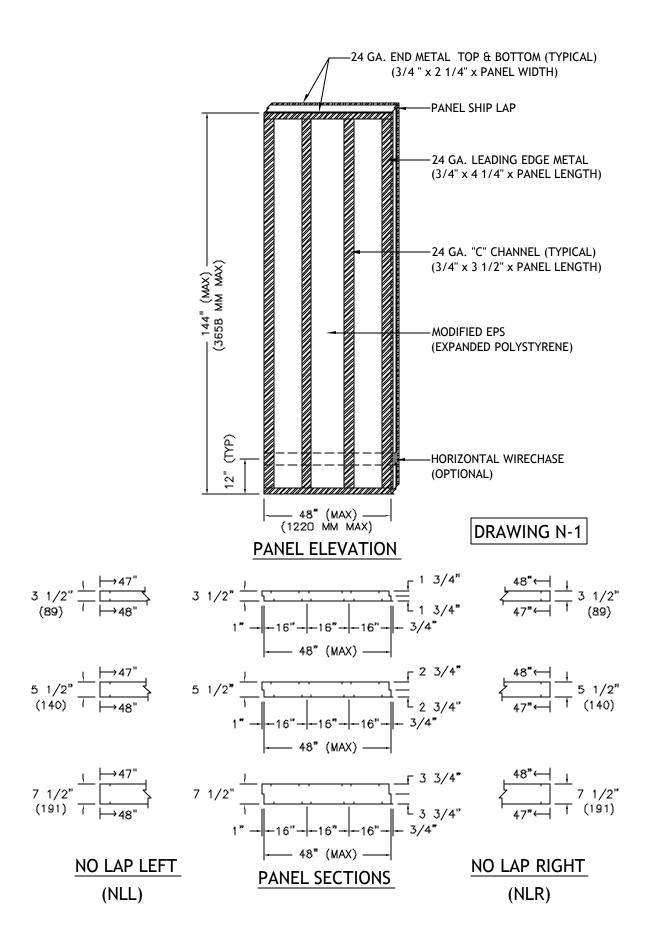
M-1 = STANDARD WIRECHASE PLACEMENT IN A STAND PANEL

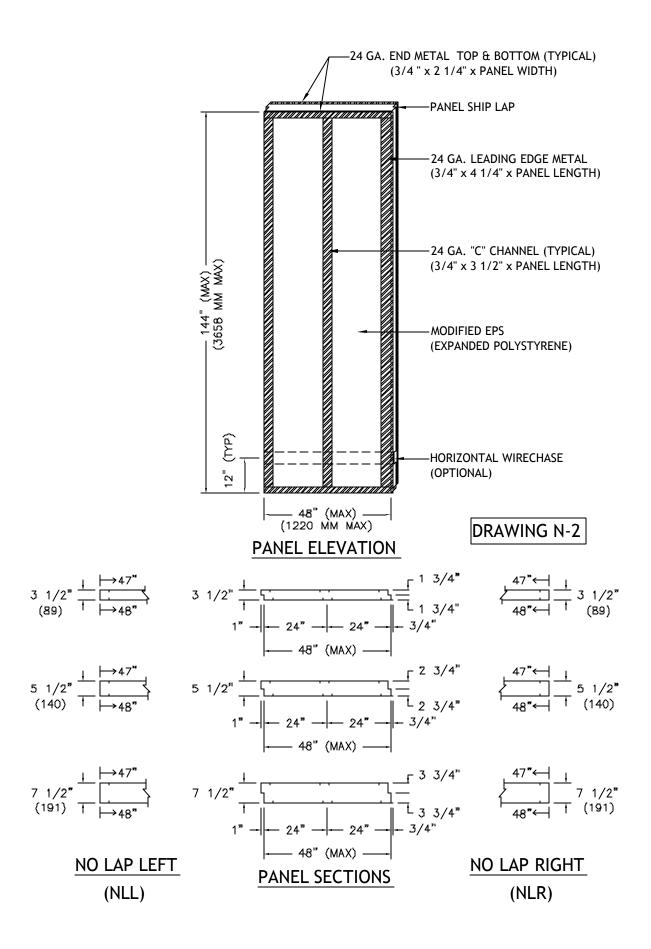


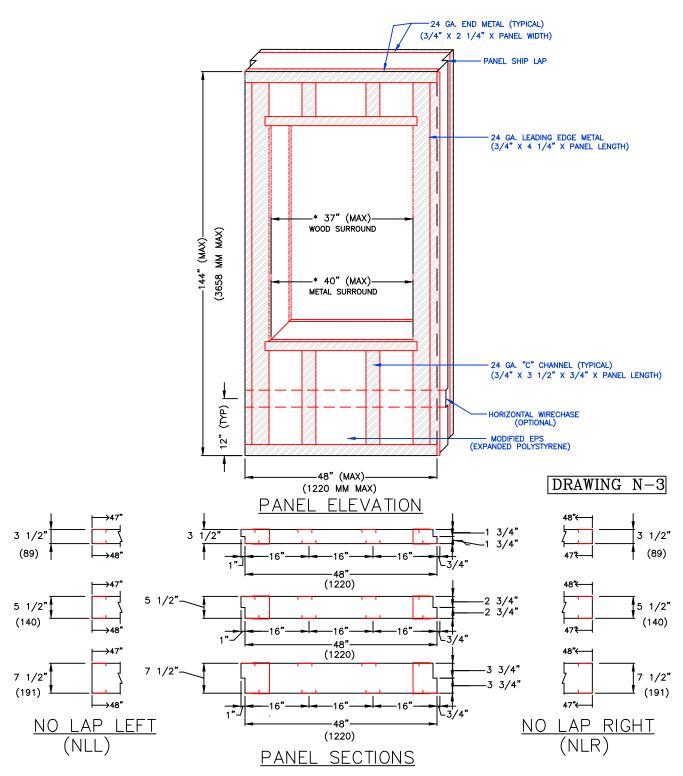
STRUCTURE

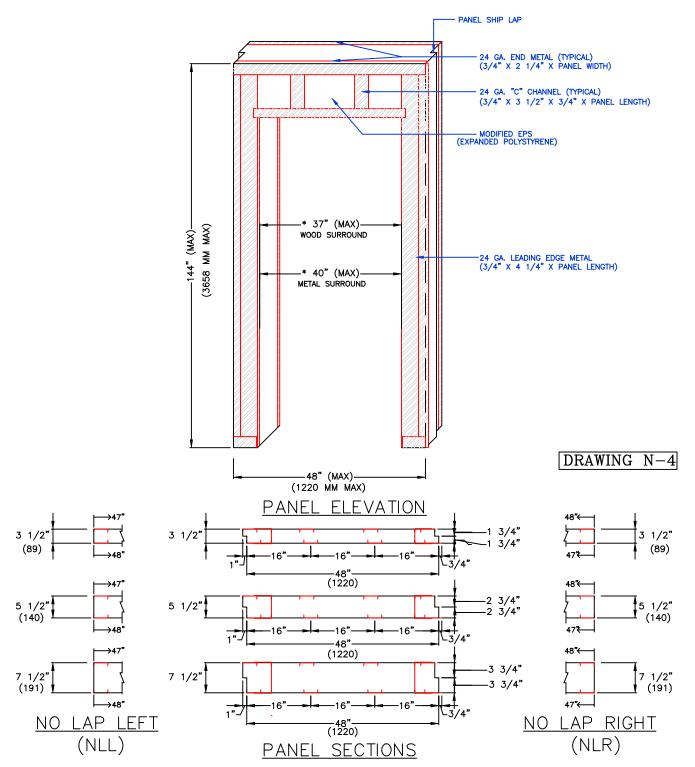
SECTION N

- 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

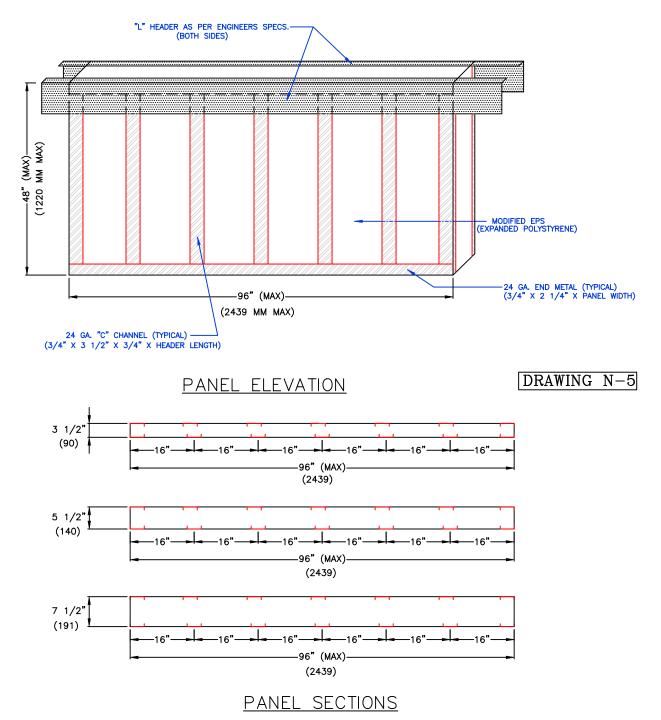


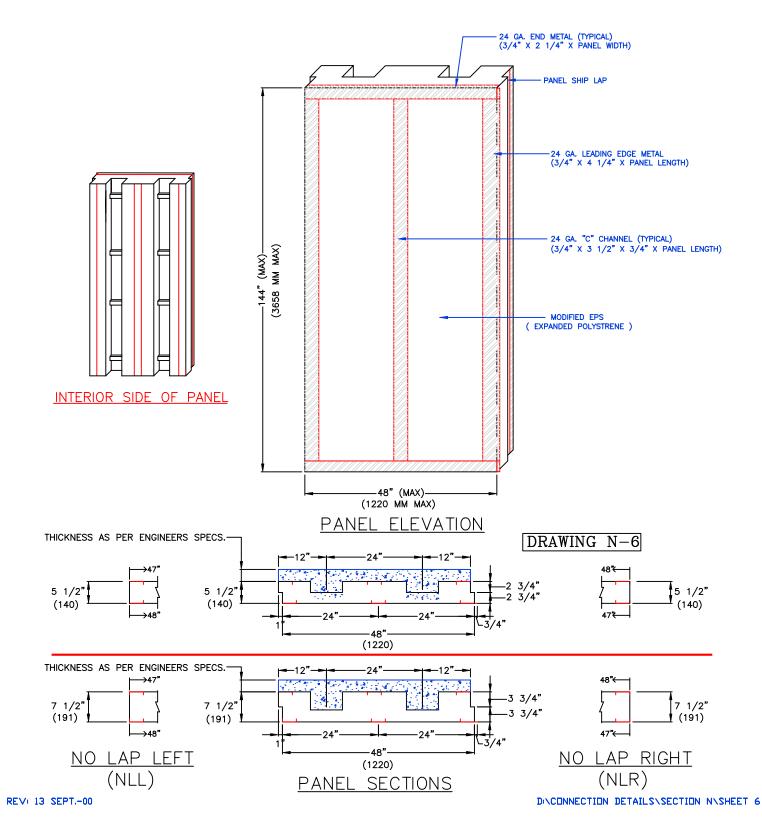


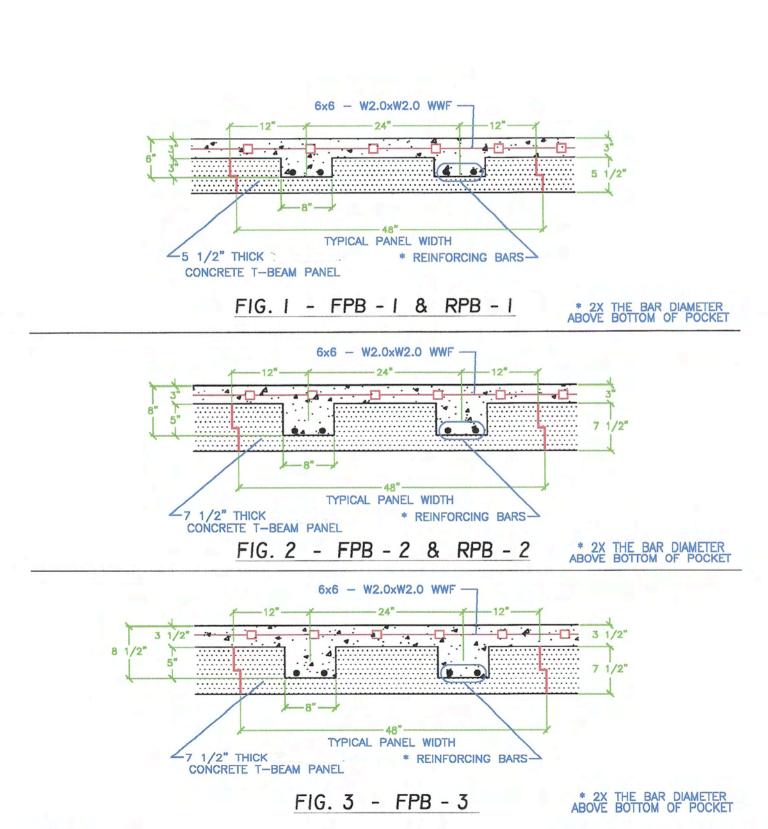




DO NOT EXCEED PANEL DESIGN LIMITATIONS







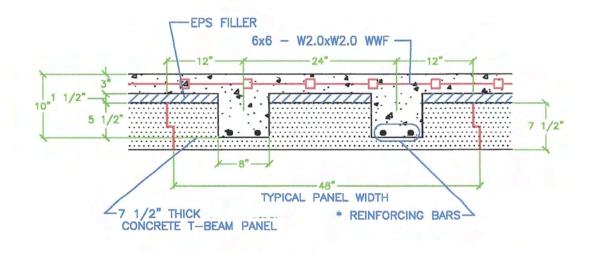


FIG. 4 - RPB - 3 & FPB - 4 * 2X THE BAR DIAMETER ABOVE BOTTOM OF POCKET

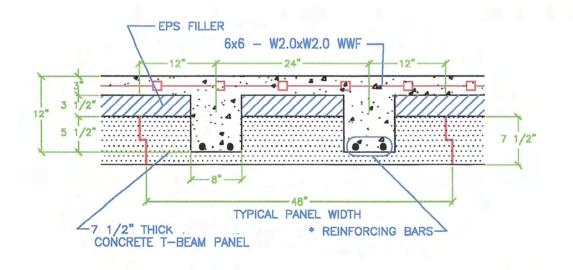


FIG. 5 - RPB - 4 & FPB - 5 * 2X THE BAR DIAMETER ABOVE BOTTOM OF POCKET

STRUCTURAL ANALYSIS FOR ROOF PANEL INSULAR T – BEAM

| TYPE OF ROOF PANELLING | SPAN (FT) | RESISTING MOMENT (FT-LBS) | REINFORCING BARS (BOTTOM) |
|--------------------------------|-----------|---------------------------------|---------------------------------|
| RPB -1 (SEE FIG. 1) | 10 | 2750 | 2 - #4 |
| | 12 | 3960 | 2 - #4 |
| | 14 | 5400 | 2 - #5 |
| RPB - 2 (SEE FIG. 2) | 16 | 7040 | 2 - #5 |
| | 18 | 9850 | 2 - #5 |
| | 20 | 12150 | 2 - #6 |
| RPB - 3 (SEE FIG. 4) | 22 | 16100 | 2 - #6 |
| | 24 | 19160 | 2 - #6 |
| RPB - 4 (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) |
|--------------------------------|-----------|----------------------------------|------------------------------|
| FPB -1 (SEE FIG. 1) | 10 | 3670 | 2 - #4 |
| | 12 | 5290 | 2 - #5 |
| FPB - 2 (SEE FIG. 2) | 14 | 7840 | 2 - #5 |
| | 16 | 10240 | 2 - #5 |
| | 18 | 12960 | 2 - #6 |
| FPB - 3 (SEE FIG. 3) | 20 | 16250 | 2 - #6 |
| FPB - 4 (SEE FIG. 4) | 22 | 20180 | 2 - #6 |
| FPB - 5 (SEE FIG. 5) | 24 | 26650 | 2 - #6 |