



**INSTALLATION GUIDE MANUAL  
FOR  
AD LOC 100  
SELF FRAME  
METAL PANEL BUILDING**

## INSTALLATION INSTRUCTION METAL PANEL BUILDING

- 1.0 Ensure building pad, skid concrete etc. is square and level.
- 2.0 If any structural steel (girts, purlins, etc.) check for plumb.
- 3.0 Layout panels ensuring that your last panel is not too small eg. If skid is 15'-8" cut starter panel in half, so last panel would not be only 8". Cut-off panel can be used to start next wall if not too short.
- 4.0 Mark door openings so they start on a full panel or in the centre of two (2) panels as shown in figure 1 and 2.

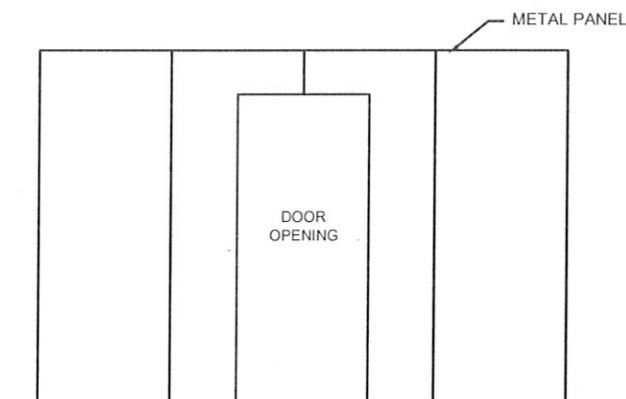


FIGURE 1

OR

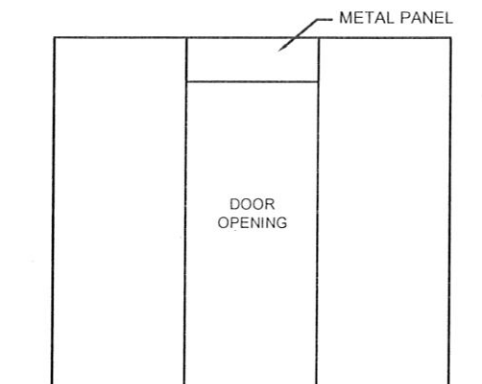


FIGURE 2

- 5.0 Install base flashing with sill gasket (fig. 3), making sure to place 2-3 fasteners at all door openings (fig.4)

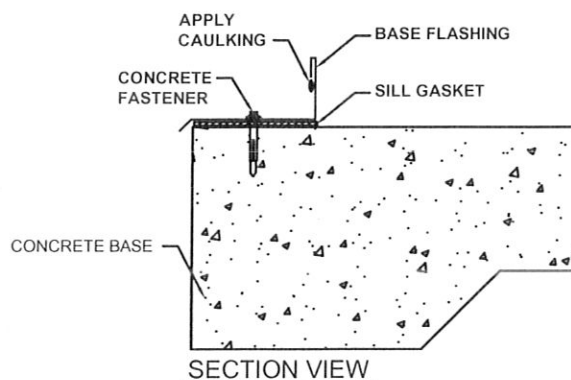


FIGURE 3

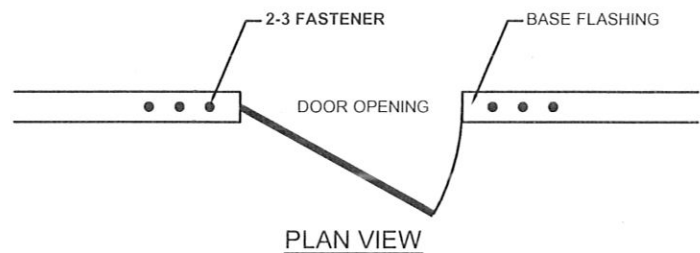


FIGURE 4

6.0 If building is gable style, gable wall panels will be longer than eave walls, sort them out from short to long. Then determine centre line of gable wall, ensuring that the longest panel will be centred as shown figure 5 and 6.

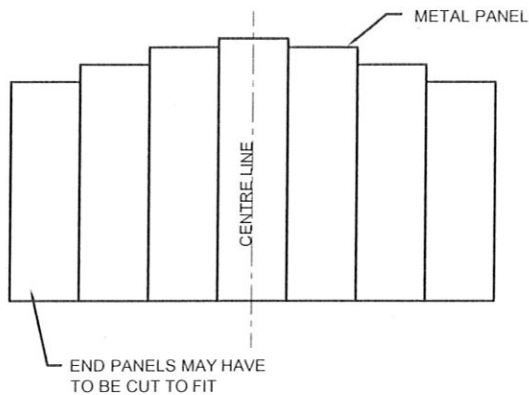


FIGURE 5

OR

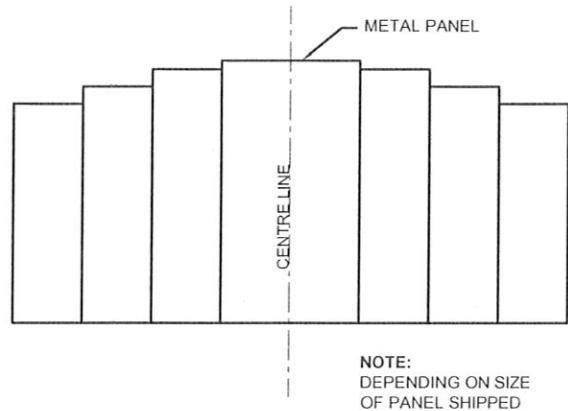


FIGURE 6

7.0 Start corner by erecting eave wall first. Install corner flashing prior to applying caulking under leading edge of corner as shown figure 7.

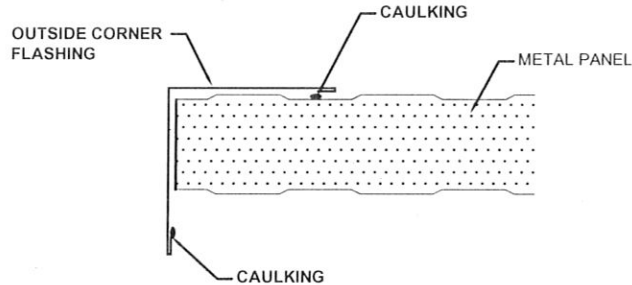


FIGURE 7

8.0 After determining the width of first (1st) gable panel, it is now ready to erect. After both panels of first (1st) corner are erected, they should look like figure 8.

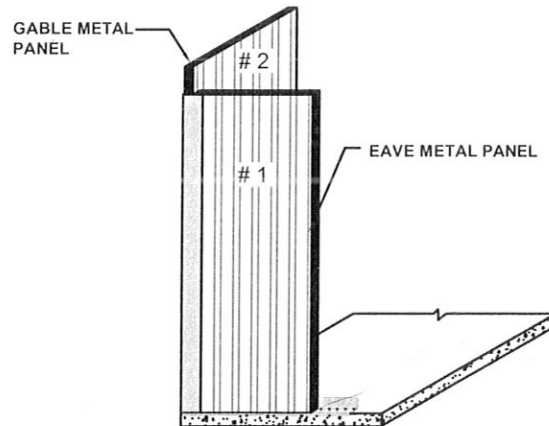


FIGURE 8

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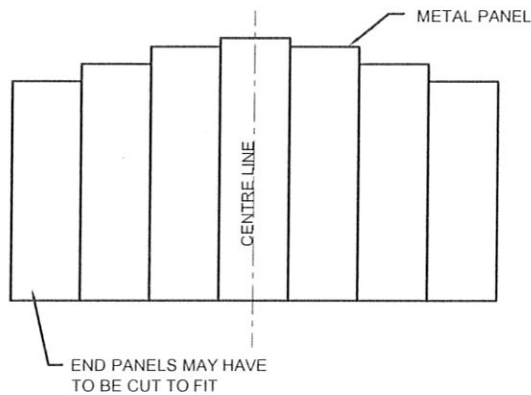


FIGURE 5

OR

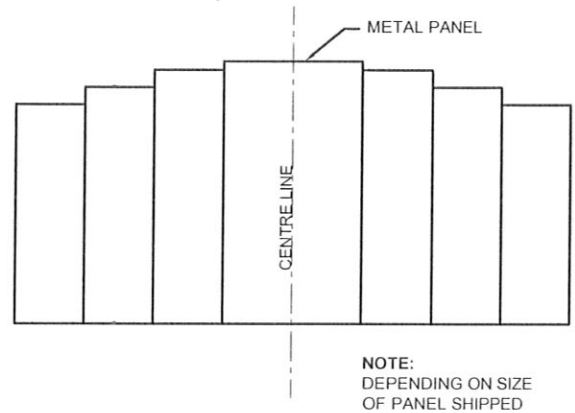


FIGURE 6

7.0 Start corner by erecting eave wall first. Install corner flashing prior to applying caulking under leading edge of corner as shown figure 7.

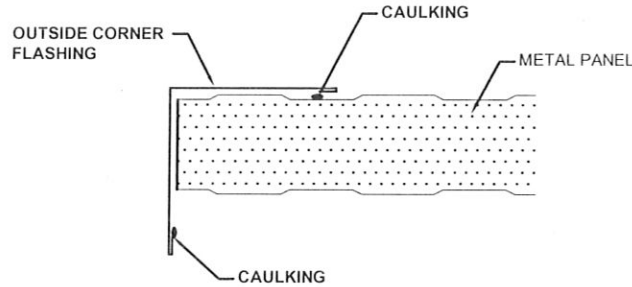


FIGURE 7

8.0 After determining the width of first (1st) gable panel, it is now ready to erect. After both panels of first (1st) corner are erected, they should look like figure 8.

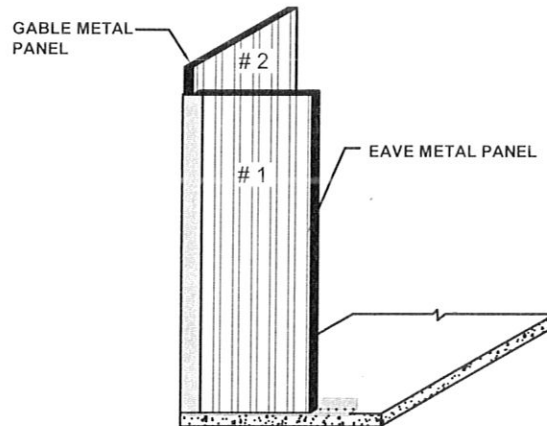
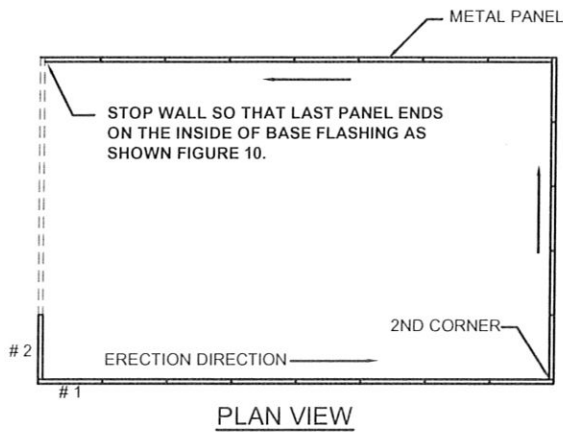


FIGURE 8

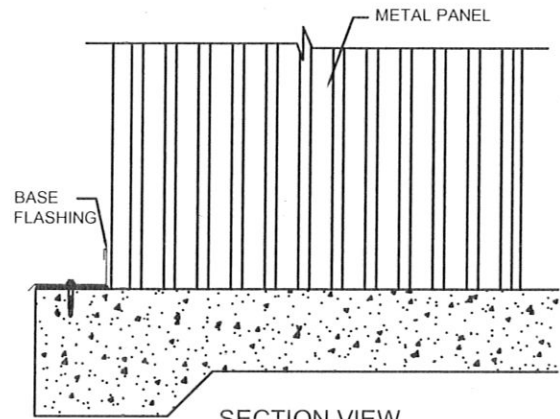
9.0 Continue erecting eave walls until you reach second corner. Measure last panel and cut if necessary and install corner flashing before erecting. You are now ready to install first panel on the second gable wall. Refer to step 6 figures 5 and 6. Use only one (1) or two (2) stitch screws on inside or outside until all walls are erected.

10.0 Continue installing panels until you come to the last corner. See figure 9 and 10.



PLAN VIEW

FIGURE 9



SECTION VIEW

FIGURE 10

11.0 Go back to the second panel (#2) which you started with, and continue installing the gable wall. When you get to the end of this wall, the corner flashing will have to be installed after panel is erected.

12.0 The next step is to install the top wall cap (sloped panel cap) on the eave wall. Snap a line if necessary to keep flashing flat as in figure 11. Do not screw top cap until roof panel is installed.

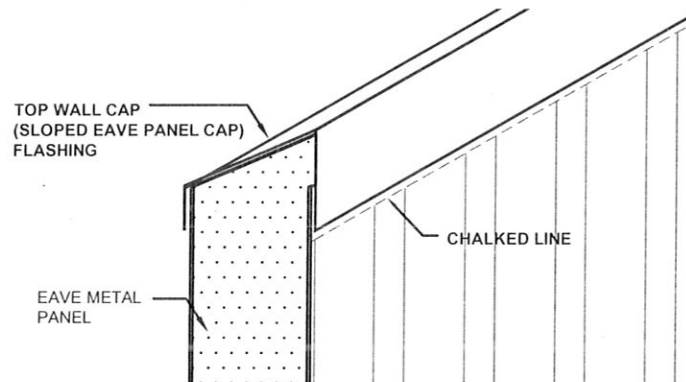
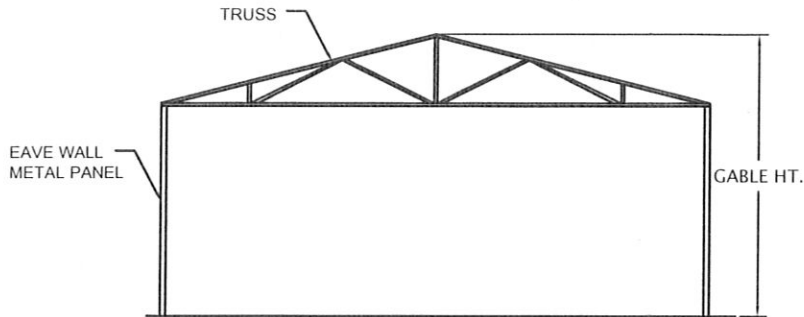


FIGURE 11

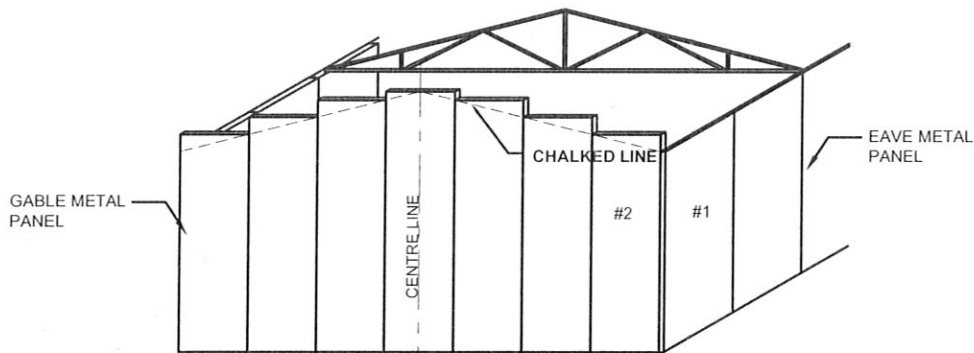
13.0 After both eave walls are capped, trusses are installed if required

14.0 Once trusses are installed, you can now determine the peak height on the gable ends. measure from top of truss to floor, this will be the maximum height of gable peak.



**FIGURE 12**

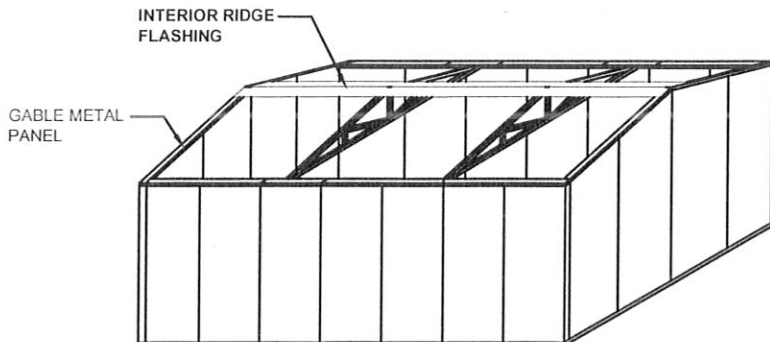
15.0 Make a mark on gable wall at same height as truss peak and snap line to top of eave wall as shown figure 13.



**FIGURE 13**

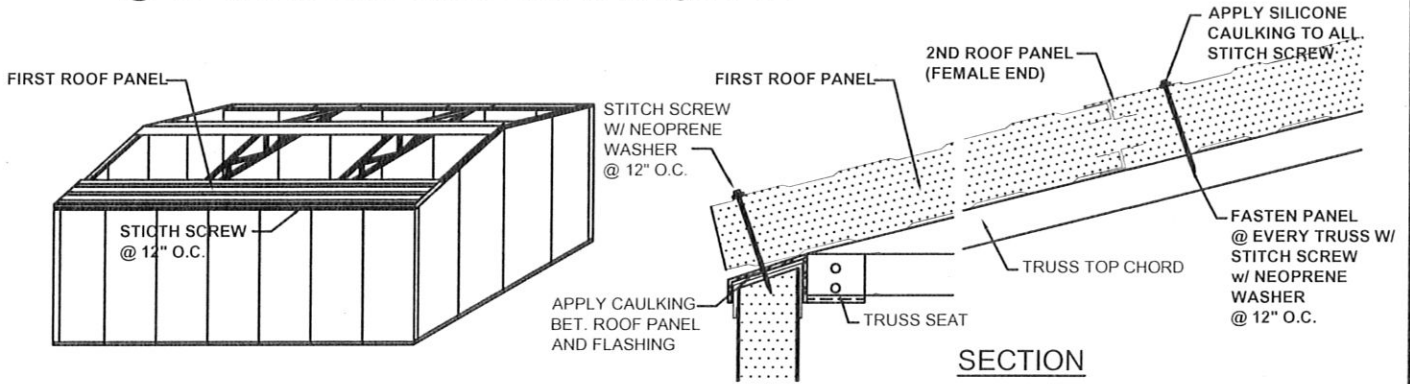
16.0 Cut along chalk line with circular saw, then install top cap channel (Gable cap), Do this on both ends, once this is completed the building is ready for roof installation.

17.0 First, install interior ridge flashing to top of truss, making sure trusses are plumb, adjust if necessary and screw inside ridge flashing to hold truss in place as shown figure 14.



**FIGURE 14**

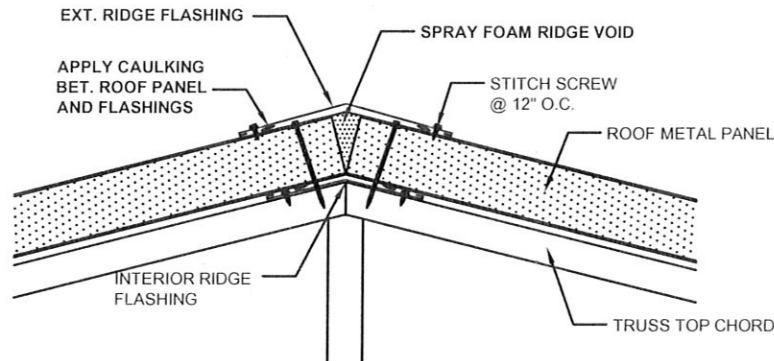
18.0 Place first roof panel on top of wall/trusses facing downwards, ensuring that it is plumb to eave and gable walls, then fasten to building. If gable walls need to be moved in or out a little, do so before fastening. Stitch screw roof panels @ 12" o.c. at each connection as in figure 15.



**FIGURE 15**

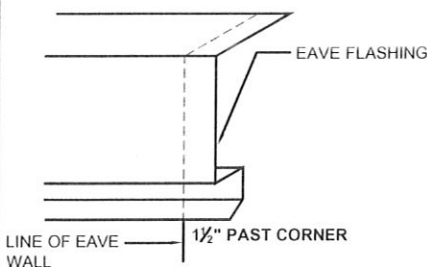
19.0 Continue installing roof panels, measure and cut last panel to fit. Then move to other side and do the same.

20.0 After all roof panels are installed and stitch screwed, the next step is to fill peak (void) with spray foam and install exterior ridge cap flashing. figure 16

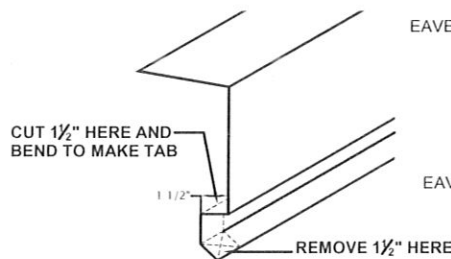


**FIGURE 16**

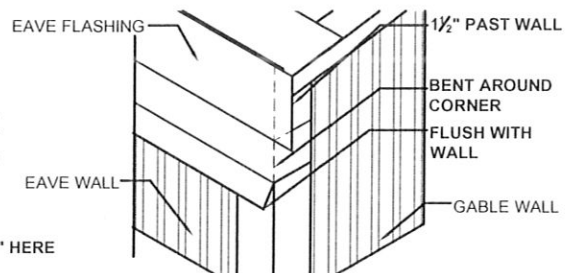
21.0 Next, the exterior building flashing is to be installed or eavetrough if required. Install eave wall flashing first. The eave wall flashing must extend past either end equal to the depth of the flashing itself, figure 17,18 and 19.



**FIGURE 17**



**FIGURE 18**



**FIGURE 19**

22.0 Next, install gable end (gable flashing) as in figure 20.

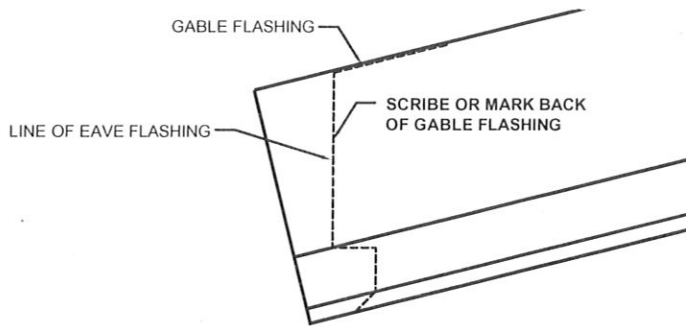


FIGURE 20

Once location of eave flashing is marked on gable flashing, a tab must be made as shown in figure 21.

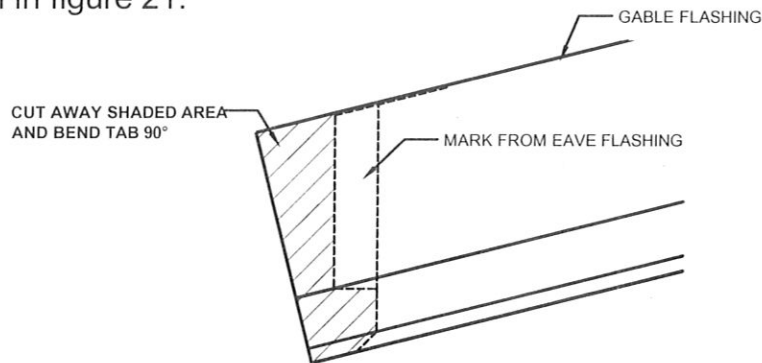


FIGURE 21

when finished, corner should look like figure 22.

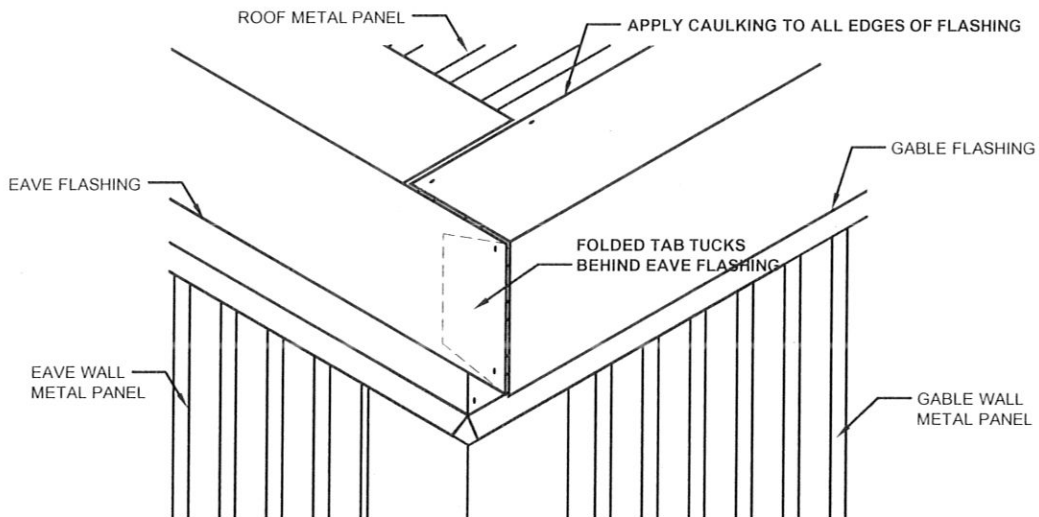
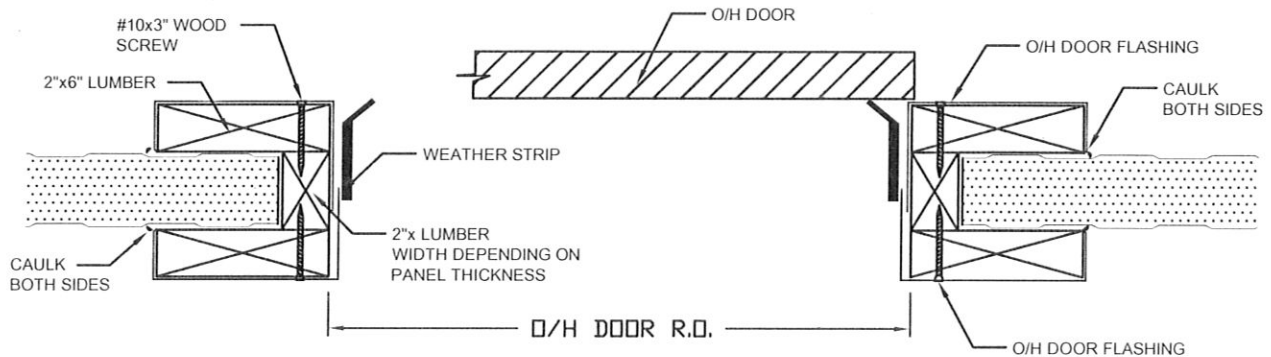


FIGURE 22



23.0 Next, stitch screws can be applied to walls, inside and outside @ 12" o.c., including base flashing.

24.0 Door openings can now be framed out, using lumber specified : for O/H door & man door, install flashings as in figure 23.



If door is 10'x10' - R.O. should be exactly 10'x10'.

FIGURE 23

25.0 Once jamb and flashing are installed, outside base trim flashing can be installed as shown in figure 24.

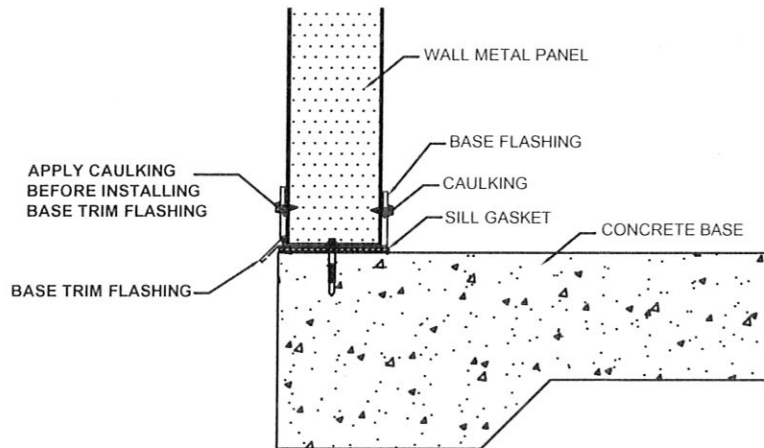
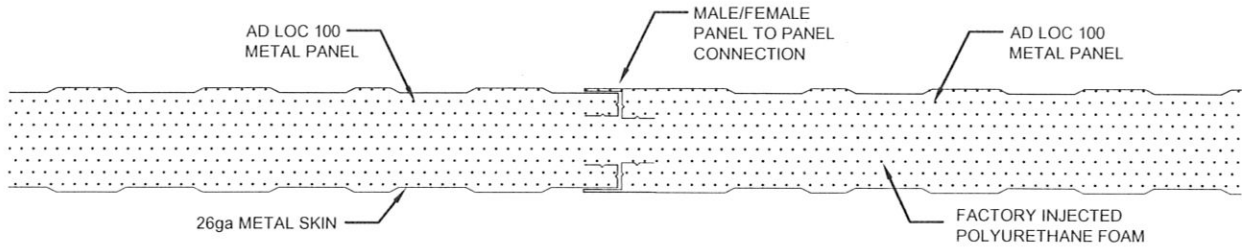


FIGURE 24

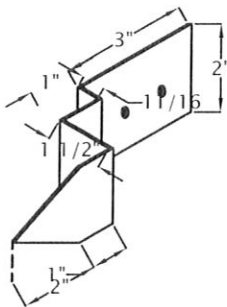
26.0 Once installation is complete, inspect the job and ensure that all leading edges are caulked to ensure a watertight seal. Always use color matching caulking.

27.0 See attached details for more information.

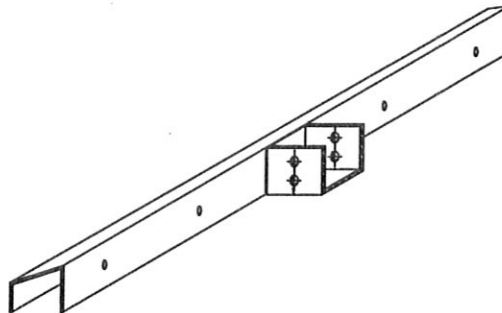
MATERIAL INFORMATION



PANEL TO PANEL CONNECTION DETAIL



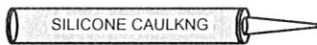
18 ga EDGE CLIP



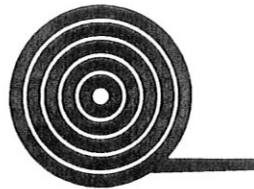
TRUSS SEAT



ZAMIC PIN



SILICONE CAULKING



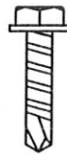
SILL GASKET



PANCAKE SCREW



STITCH (A PT.) SCREW



SELF-DRILL (SD) SCREW

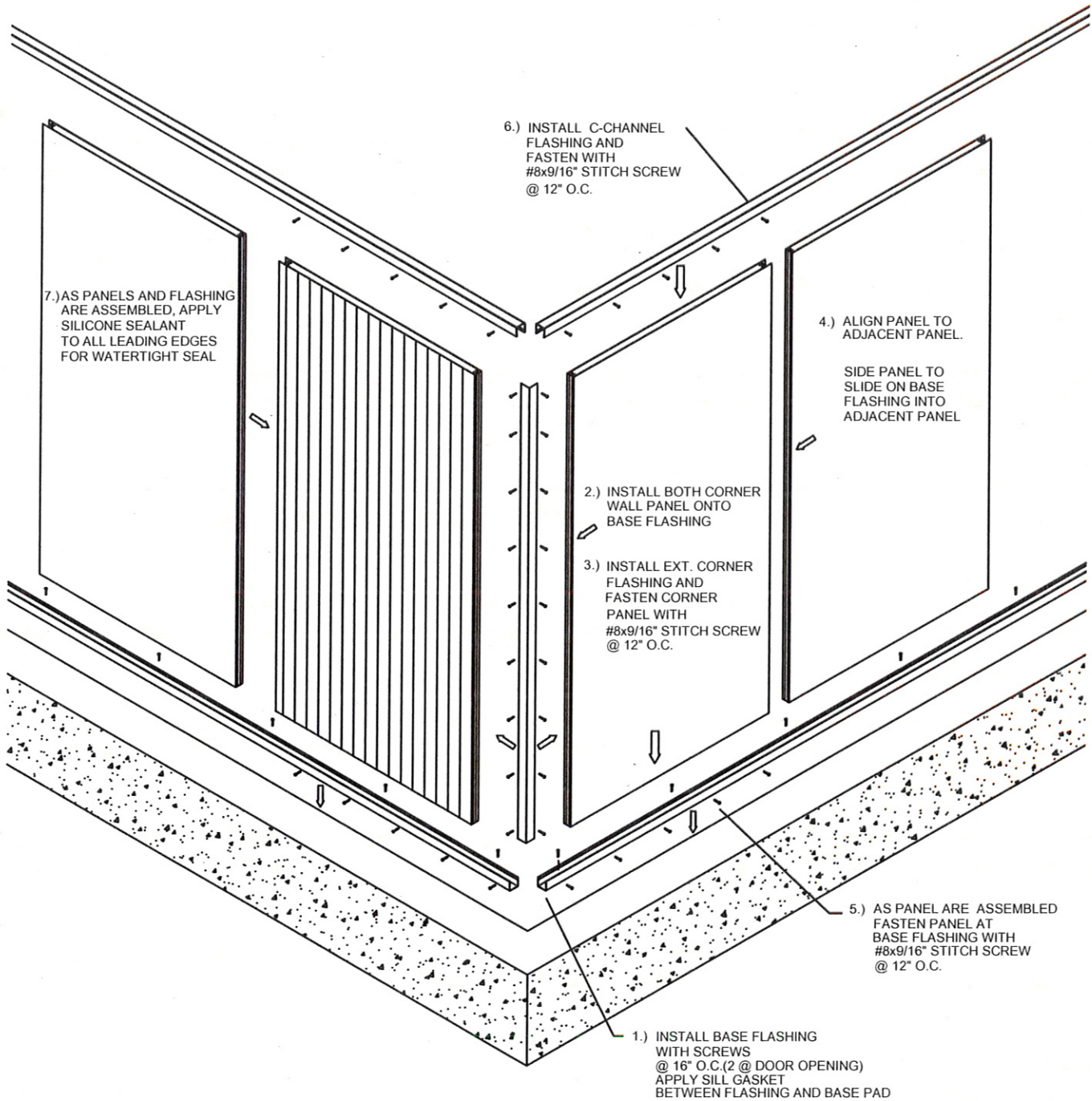


SELF-DRILL (SD) SCREW  
W/ NEOPRENE WASHER



STITCH (A PT.) SCREW  
W/ NEOPRENE WASHER

# TYPICAL INSTALLATION WALL METAL PANEL FOR SELF FRAMING BUILDING



**NOTES:**

**WALL INSTALLATION :**

- ALWAYS STARTS FROM THE CORNER
- CONSULT A.P.P. FOR ALLOWABLE LOADS, FASTENING AND FLASHING DETAILS ON YOUR APPLICATION
- COLOR TO BE DETERMINED BY SPECIFICATIONS
- PANEL SHOWN AD LOC 100 WITH MESA PROFILE
- TYPICAL FLASHING 120" LENGTH

DRAWN BY:

**R.C.M.**

SCALE:

**NTS**

CHECKED BY:

DATE:

**2003**

REVISION No.:

**01**

DRAWING No.:

**I-223**

DRAWING TITLE:

**METAL PANEL TYP. INSTALLATION**

**Advanced**  
Panel Products Ltd.