

FBC MEGA R and DMI Polycarbonate 1mm and Sunsky Panels

2.Installing Mega R on glass fiber mats

When installing Mega R mats insulated steel roof, be sure to use a suitable spacer along the purlins and avoid any contact between the vinyl finish of the mats and the Mega R panels (fig.32,33). Be sure to predrill polycarbonate sheets with 3/8" drill bit prior to fastener installation to allow for panel expansion and contractions.

1. Mega R single / single-run / multi-run skylight Panel, overlapping lengthwise on both sides.

2. Typical Metal R-panel installed on all sides

3. Mega R valley fastener /
1/4-14 x 1-1/4SD3 w/1-1/8" washer
Predrill polycarbonate with 3/8" diameter hole

4. Typical sheet-metal crest or valley fastener

5a. Mega R crest (side-lap) fastener
1/4-14 x 7/8" SD1 w/1-1/8" washer for poly panel over steel panel side lap predrill polycarbonate with 3/8" hole.

5b. Mega R crest (side-lap) fastener Grommet seal SS fastener predrill with 3/8" diameter hole for when dia5 steel over poly applications.

6. Butyl- rubber sealing strip installed along width & length end corrugations at all overlap. Tacky Tape Brand only.

7. Height equalizing shim—wood or rigid plastic bar of suitable thickness compensating for the thickness of the insulation mat at the purlins

8. Supporting steel purlins

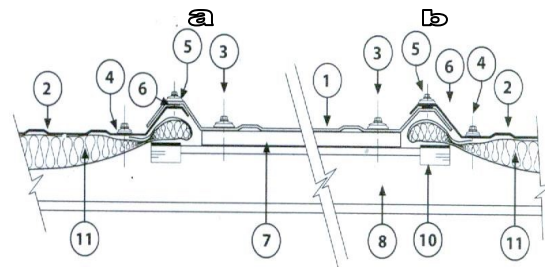
9. Main supporting structure

10. Galvanized sheet-metal strip for insulation support

11. Glassfiber or rockwool insulation mat underneath the steel roofing with reinforced aluminum foil or vinyl film bottom finish, supported by the metal strips

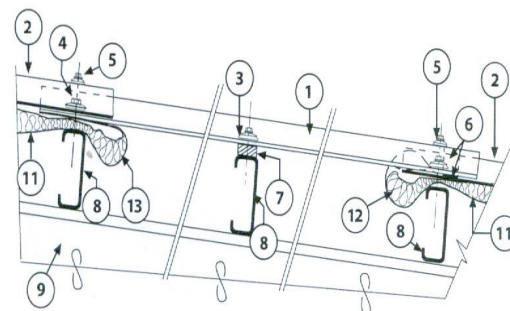
12. End of insulation mat at the lower edge of the skylight with the mat edge tucked back and under metal to create a nice edge finish

13. Same as 12. but at the upper edge of the skylight, and at vertical edges.



Width Cross-Section Detail
Figure 32

Caution: the vinyl used on insulation may be incompatible with Mega R. Insert a separate layer between the Mega R sheet and the tucked-back vinyl-covered insulation to prevent potential outgassing damage to the Mega R panel.



Length Section Detail
Figure 33

