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TYPICAL INSTALLATION INSTRUCTIONS

RPC-3 non-canted and RPC-2 canted insulated structural Roof Curbs

Model RPC-3 is designed to be installed directly to the structural supports of your roof. However, it can also be installed on top of the metal roof deck. It is recommended for either modified bitumen built up or single ply membrane roofs. This makes it the most widely used type of pre-fabricated roof curb for conventional (non-pre engineered metal building) roof applications.

Model RPC-2 is designed for installation on wood decks.

Typical installation examples, calculations and roof curb details:

1. Attachment details when roof curb is directly attached to the structure. (fig. 1, 2, 3 & 4)
2. RPC-3 Roof Curb is installed directly to angle framing or bar joist (fig. 5 & 5A)
3. RPC-3 Roof Curb is installed on top of metal roof decking (fig. 6 & 6A)
4. RPC-2 installed on wood decking. (fig. 7)
5. Model RPC-3 typical construction details. (fig. 8)
6. Cantilevered roof curb calculations. (fig. 9)
7. Wind force calculations. (fig. 10)

NOTE: When installing roof curbs in between bar joists on top of metal decking weight loads must be considered. Deck may require support framing (option supplied by Roof Products, Inc.). (fig. 11)

NOTE: In the event of local code requirements, seismic applications, and special loading conditions such as horizontal thrust produced by skylights, etc., please call Roof Products, Inc. for additional recommendations.

Sample Installation for RPMB-1 Metal Building Roof Curb.

Model RPMB-1 is the most versatile metal building roof curb. Model RPMB-1 is a one-piece style supplied with loose rib caps. It can be installed over/over, under/over, and under/under the metal building roof panel.

1. Over/Over installation sample. (fig. 12)

Roof Products, Inc. offers several styles of roof curbs for pre-engineered metal buildings. Please call with your requirements for the proper roof curb style and installation instructions.