ROOF HUGGER, LLC

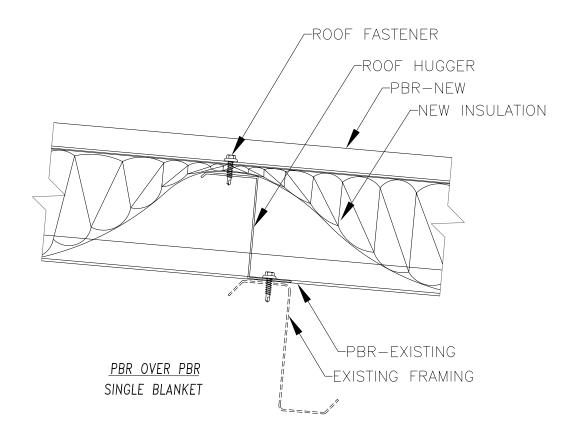
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| System | PBR over PBR - Single Blanket | | | | | |
|--------------|-------------------------------|--------------|-----------|-----------|-----------|--|
| Roof Hugger | Maximum | Initial | Estimated | Estimated | Thermal | UNFACED Blanket Thickness Combination Used |
| Web Depth in | Cavity | Insulation | R- Value | U- Value | Spacer | |
| Inches | Depth in | Thickness in | | | Thickness | |
| | Inches | Inches | | | in Inches | |
| 1.83 | 2.018 | 3.00 | 6.52 | 0.153 | n/a | 3.00" blanket over purlins; 3/16" used as max. compression |
| 2.75 | 3.000 | 3.00 | 9.32 | 0.107 | n/a | 3.30" blanket over purlins; 1/4" used as max. compression |
| | | | | | · | |

Compressed insulation R-Values have been calculated from a published method of the North American Insulation Manufacturers Association 🛭 (NAIMAI).

Insulation R-Value calculated based on published industry information from NAIMA® , CertainTeed®, Johns Manville® or Owens Corning®.

Due to variations in installation methods and metal roof rib or seam configurations; calculated values shown herein do not compensate for thermal bridging or thermal loss from existing roof panel rib configuration.

Calculated R-Values shown herein do not take credit for air film effects or use of vapor barriers within the insulation system.

INSULATED ASSEMBLIES SINGLE BLANKET PBR OVER PBR

01-1B-R-R 07/15/2019

SCALE: NTS