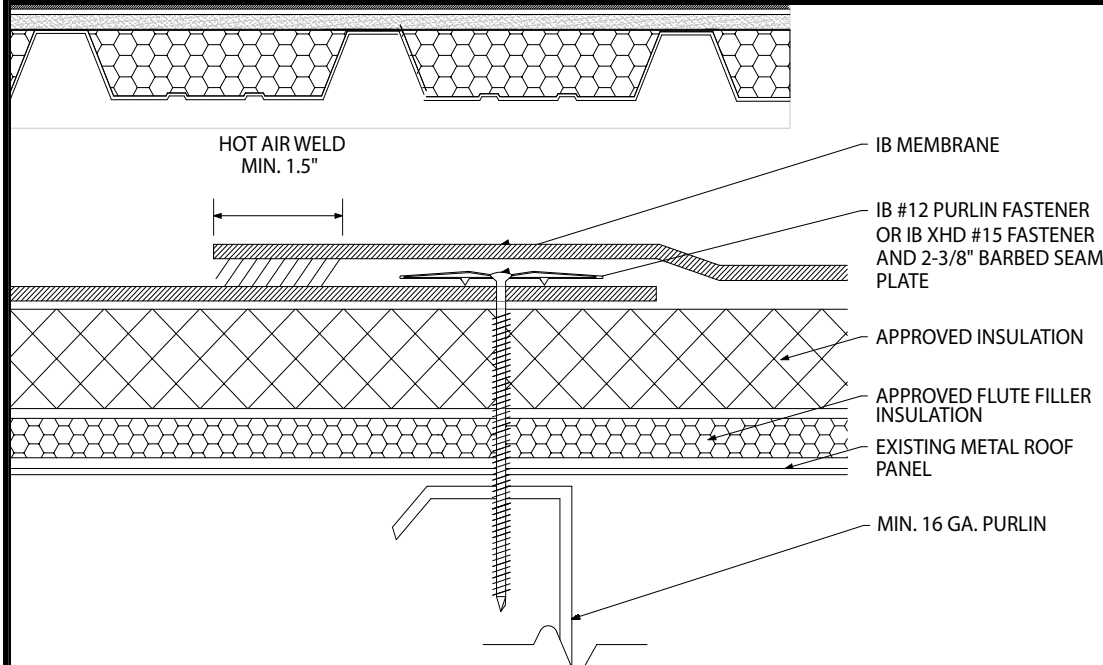


## Mechanically Attached Membrane - Insulation - Flute Filler - Existing Metal Roof - Purlin Fastened (Recover)



Fire Rating / Max. Slope	Deck Type	Insulation/Flute Filler (over Existing Metal Roof)		IB Membrane		Max. Design Pressure**
		Type	Attachment	Fasteners	Attachment	
'Class "A" 2":12"	Metal Roof Panel & 16 ga. Purlin, max 60" o.c.	Approved Insulation & Approved Flute Filler Insulation	Min. IB SD #12, 3" IB Insulation Plate (6 per 4' x 8')	XHD #15, IB 2-3/8" Barbed Seam Plate	In-Seam 18" o.c. Min. x 60"	Minimum Req for IB Warranty
'Class "A" 2":12"	Metal Roof Panel & 16 ga. Purlin, max 60" o.c.	Approved Insulation & Approved Flute Filler Insulation	Min. IB SD #12, 3" IB Insulation Plate (6 per 4' x 8')	XHD #15, IB 2-3/8" Barbed Seam Plate	In-Seam 12" o.c. Min. x 60"	Minimum Req for IB Warranty
'Class "A" 2":12"	Metal Roof Panel & 16 ga. Purlin, max 60" o.c.	Approved Insulation & Approved Flute Filler Insulation	Min. IB SD #12, 3" IB Insulation Plate (6 per 4' x 8')	XHD #15, IB 2-3/8" Barbed Seam Plate	In-Seam 6" o.c. Min. x 60"	Minimum Req for IB Warranty
'Class "A" 2":12"	Metal Roof Panel & 16 ga. Purlin, max 60" o.c.	Approved Insulation & Approved Flute Filler Insulation	Min. IB SD #12, 3" IB Insulation Plate (6 per 4' x 8')	IB #12 Purlin Fastener, IB 2-3/8" Barbed Seam Plate	In-Seam 18" o.c. Min. x 60"	-30.0 psf (Class 60)
'Class "A" 2":12"	Metal Roof Panel & 16 ga. Purlin, max 60" o.c.	Approved Insulation & Approved Flute Filler Insulation	Min. IB SD #12, 3" IB Insulation Plate (6 per 4' x 8')	IB #12 Purlin Fastener, IB 2-3/8" Barbed Seam Plate	In-Seam 12" o.c. Min. x 60"	-45.0 psf (Class 90)
'Class "A" 2":12"	Metal Roof Panel & 16 ga. Purlin, max 60" o.c.	Approved Insulation & Approved Flute Filler Insulation	Min. IB SD #12, 3" IB Insulation Plate (6 per 4' x 8')	IB #12 Purlin Fastener, IB 2-3/8" Barbed Seam Plate	In-Seam 6" o.c. Min. x 60"	-67.5 psf (Class 135)
'Class "A" 2":12"	Metal Roof Panel & 16 ga. Purlin, max 30" o.c.	Approved Insulation & Approved Flute Filler Insulation	Min. IB SD #12, 3" IB Insulation Plate (6 per 4' x 8')	IB #12 Purlin Fastener, IB 2-3/8" Barbed Seam Plate	In-Seam 6" o.c. Min. x 30"	-127.5 psf (Class 255)

**Existing Roof:** Metal Standing Seam or lapped seam Metal Panel Roof, having a min. 16 gauge, 50 ksi steel purlin

**Approved Flute Filler:** IB EnergyBoard II or III, or IB Approved UL Classified Polyisocyanurate, IB Approved UL Classified Expanded Polystyrene, IB Approved UL Classified Extruded Polystyrene Insulation

**Approved Insulation:** IB EnergyBoard II or III, H-Shield ISO, H-Shield CG or IB Approved UL Classified Polyisocyanurate

**Fire Classification Note:** <sup>1</sup>UL Class 'A' up to 2":12" slope when minimum 1" IB Approved UL Classified Polyisocyanurate insulation is installed over any IB Approved UL Classified Expanded Polystyrene or Polyisocyanurate; <sup>2</sup>Use of other IB Approved Insulations may not achieve UL classification.

**\*\*Refer to Substrate Resistance Table for required pull-out values.**

For additional information about IB Roof Systems requirements, recommendations, installation details, approvals, and limitations for the above assemblies, please refer to the latest edition of the IB Roof Systems Specifications Manual. For Technical Services please contact IB Technical Department at 800-426-1626.

Membranes:	Membrane Color:					Warranty Length***			Warranty Type***	
IB PVC Single-Ply 50 Mil	White*	Gray	Tan	Bronze	ChemGuard*	10 Year	15 Year	20 Year	Total Systems - No Dollar Limit (TSW)	
IB PVC Single-Ply 60 Mil	White*	Cool Sand*	Cool Stone*	Gray	Tan	15 Year	20 Year	25 Year	Warranty Plus (WP)	
IB PVC Single-Ply 80 Mil	White*	Gray	Tan	Bronze	ChemGuard*	20 Year	25 Year	30 Year	Commercial Limited Material Warranty (CLMW)	
									Residential Limited Material Warranty (RLMW)	

\*Meets CRRC, Title 24 & EnergyStar Standards

\*\*\*Refer to Warranty Selection Guide for Warranty Riders, Term Length Limitations, and eligibility requirements of the Warranty Program

Submitted By:

Project Name:

Address:

Address:

Email:

