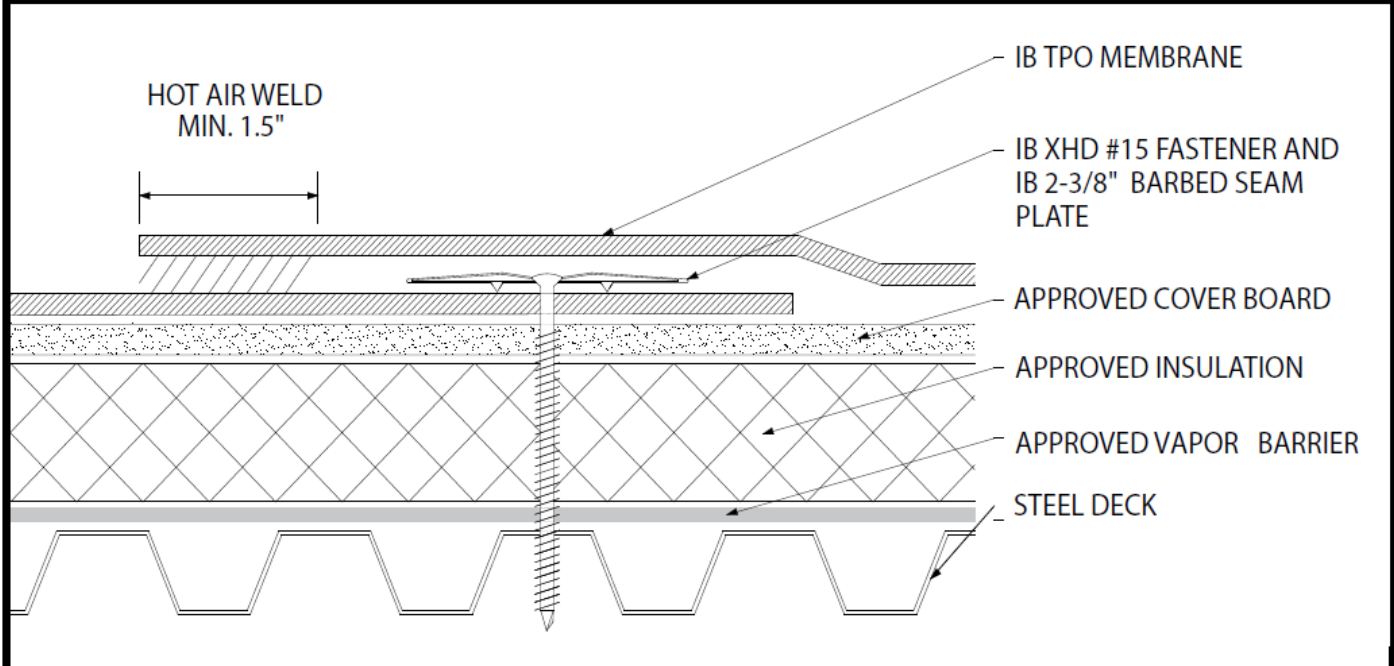


## Mechanically Attached TPO Membrane - Cover Board - Insulation - Vapor Barrier - Steel Deck (New or Tear-Off)



| Deck Type                         | Cover Board/Insulation (over Vapor Barrier)       |                                    |  | IB Membrane Securement*                 |                   |
|-----------------------------------|---|------------------------------------|--|---|-------------------|
|                                   | Type <sup>1,2,3</sup>                             | Attachment                         | Fastener/Plate                         | Fastener/Plate**                        | Attachment***     |
| Min. 22 ga. Type B Grade 33 Steel | Approved Cover Board / Insulation / Vapor Barrier | 1 per 5.33 sq. ft. (6 per 4' x 8') | Min. IB SD #12, 3" IB Insulation Plate | IB XHD #15, IB 2-3/8" Barbed Seam Plate | In-Seam @ 18" oc. |
| Min. 22 ga. Type B Grade 33 Steel | Approved Cover Board / Insulation / Vapor Barrier | 1 per 5.33 sq. ft. (6 per 4' x 8') | Min. IB SD #12, 3" IB Insulation Plate | IB XHD #15, IB 2-3/8" Barbed Seam Plate | In-Seam @ 12" oc. |
| Min. 22 ga. Type B Grade 33 Steel | Approved Cover Board / Insulation / Vapor Barrier | 1 per 5.33 sq. ft. (6 per 4' x 8') | Min. IB SD #12, 3" IB Insulation Plate | IB XHD #15, IB 2-3/8" Barbed Seam Plate | In-Seam @ 6" oc.  |
| Min. 22 ga. Type B Grade 80 Steel | Approved Cover Board / Insulation / Vapor Barrier | 1 per 5.33 sq. ft. (6 per 4' x 8') | Min. IB SD #12, 3" IB Insulation Plate | IB XHD #15, IB 2-3/8" Barbed Seam Plate | In-Seam @ 18" oc. |
| Min. 22 ga. Type B Grade 80 Steel | Approved Cover Board / Insulation / Vapor Barrier | 1 per 5.33 sq. ft. (6 per 4' x 8') | Min. IB SD #12, 3" IB Insulation Plate | IB XHD #15, IB 2-3/8" Barbed Seam Plate | In-Seam @ 12" oc. |
| Min. 22 ga. Type B Grade 80 Steel | Approved Cover Board / Insulation / Vapor Barrier | 1 per 5.33 sq. ft. (6 per 4' x 8') | Min. IB SD #12, 3" IB Insulation Plate | IB XHD #15, IB 2-3/8" Barbed Seam Plate | In-Seam @ 6" oc.  |

<sup>1</sup>Approved Vapor Barrier: IBarrier SA Membrane, IBarrier SA 106, IBarrier SA FG, IBarrier XP SA Membrane, applied using self-adhesive techniques  
<sup>2</sup>Approved Insulation: IB EnergyBoard II or III, or IB Approved UL Classified Polyisocyanurate, IB Approved UL Classified Expanded Polystyrene, IB Approved UL Classified Extruded Polystyrene Insulation.  
<sup>3</sup>Approved Cover Board: DensDeck, DensDeck Prime, DensDeck ProFast Prime, DensDeck StormX Prime, Securock Ultralight Glass-Mat, Securock Ultralight Coated Glass-Mat, Securock Gypsum Fiber Board, DEXcell Glass-Mat Roof Board, or DEXcell FA Glass Mat Roof Board, minimum 1/2" thickness; or minimum 7/16" DEXcell Cement Roof Board; or minimum 1/2" IB HD ISO-J, or 1/2" IB ISO Recovery Board III-J.  
<sup>4</sup>The use of some IB Approved Insulations and/or Cover Boards and insulation/vapor barrier combinations may not achieve UL Classification.  
 System Uplift Note(s): \*Refer to applicable Approval Guide for System Code and/or FM Approvals Information.  
 \*\*Refer to Substrate Resistance Table for required pull-out values. \*\*\*Contact IB Technical Services for maximum sheet width allowed relative to in-seam fastening pattern.

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 TPO SM 60 Mil                  | White*          | Gray | Tan | 10 Year   | 15 Year | 20 Year | Contractor Warranty Only                    |  |  |
| IB TPO SM 80 Mil                  | White*          | Gray | Tan | 15 Year   | 20 Year | 25 Year | Total Systems - No Dollar Limit (TSW)       |  |  |
| IB TPO FB 115 Mil                 | White*          |      |     | 10 Year   | 15 Year | 20 Year | Warranty Plus (WP)                          |  |  |
| IB TPO FB 135 Mil                 | White*          |      |     | 15 Year   | 20 Year | 25 Year | Commercial Limited Material Warranty (CLMW) |  |  |
| *Meets CRRC, Title 24, LEED (SRI) |                 |      |     |   |         |         |   | Residential Limited Material Warranty (RLMW) |  |
|                                   |                 |      |     | **Refer to Warranty Selection Guide for Warranty Riders, Term Length Limitations, and eligibility requirements of the IB Warranty Program |         |         |   |  |  |

|               |  |               |  |
|---------------|--|---------------|--|
| Submitted By: |  | Project Name: |  |
| Company Name: |  | Address:      |  |
| Email/Phone:  |  | City/State:   |  |