



**MINIMUM FASTENER PENETRATIONS AT THE DECK
(STANDARD ATTACHMENT):**

| Deck Type: | Penetration Depth: | Fastener Type: |
|---|-----------------------------------|-------------------------|
| Plywood or Oriented Strand Board: | 1/2" Completely through deck | IB HD #14 or IB XHD #15 |
| 1" Minimum Wood Plank: | 1" into deck | IB HD #14 or IB XHD #15 |
| Steel: | 3/4" Completely through top flute | IB HD #14 or IB XHD #15 |
| Light Weight Insulating Concrete over Steel Deck: | 3/4" Completely through top flute | IB HD #14 or IB XHD #15 |
| Light Weight Insulating Concrete: | 1-1/2" into deck | Deklite |
| Structural Concrete: | 1-1/4" into deck | Dekspike |
| Poured Gypsum: | 1-1/2" into deck | Deklite |
| Cementitious Wood Fiber: | 1-1/2" into deck | Deklite |

IB Standard Pull-Test Values for Fasteners

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|-------------------------|---------|
| 7/16" OSB | 275 lbs |
| 5/8" OSB | 350 lbs |
| 1/2" Plywood | 425 lbs |
| 1" Minimum Wood Plank | 450 lbs |
| 22 ga. Steel | 525 lbs |
| 24 ga. Steel | 425 lbs |
| Structural Concrete | 800 lbs |
| LWIC over 24 ga. Steel | 425 lbs |
| Poured Gypsum | 300 lbs |
| Cementitious Wood Fiber | 300 lbs |

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|--|--|---|
| Scale: NTS | Detail Name: <div style="text-align: center; font-size: 1.2em; font-weight: bold;">Fully Adhered Membrane Seam</div> | Detail Number: <div style="text-align: center; font-size: 1.2em; font-weight: bold;">FA-AT-01</div> |
| Submitted By: Address: Telephone: | | Project: Address: |