

TABLE A.1 – SUBSTRATE REQUIREMENTS

Deck	Required Criteria	Application		
APA Plywood Sheathing	Plywood sheathing shall be C-D, Exposure 1-min. 4-ply-not less than 15/32" thick	Maximum joist spacing 24" o.c. or less with min. 1/8" to 1/4" spacing between panels		
APA Oriented Strand Board Sheathing (OSB)	OSB sheathing shall be PS 2-10, Exposure 1, Structural 1 not less than 7/16" thick	Install with all sides bearing on and secured to joist and cross blocking in accordance with APA- The Engineered Wood Association requirements		
Wood Plank	Minimum 1" nominal thickness and have a nominal width of 4" to 6". Tongue and Groove or shiplap planks. Kiln-dried lumber	All boards must be supported on rafters at each end and be securely fastened. Cover knotholes or cracks greater than 1/4" with securely nailed sheet metal		
22 ga. Steel	Cold formed steel decking— minimum finish coat of primer paint on both sides. G-90 galvanized steel recommended-minimum 22 gauge	Comply with Factory Mutual gauge and span requirements, and guidelines contained in FM LPDS 1-28 and 1-29		
24 – 26 ga. Steel	Requires written approval from IB Technical Services Manager	Mandatory fastener withdrawal tests in accordance with ANSI / SPRI FX-1 required		
Structural	Minimum deck thickness for structural concrete is 4 inches Minimum 2500 psi compressive strength Finished to a smooth uniform surface free of sharp edges, ridges, and irregular surfaces Sumps for roof drains shall be provided in the casting of the deck	Roof deck shall be allowed to cure prior to application of the roofing system. Evaluate surface moisture and deck dryness as required with the ASTM D4263 or hot bitumen test procedures.		
Concrete	Wood nailers shall be cast into the deck at perimeter edges and openings for non-insulated assemblies Underside of deck shall be constructed to allow drying and prevent moisture entrapment. Deck forms shall be removed or vented. Do not install materials or finishes to underside of deck that are impermeable or restrict drying.	Repair cracks greater than 1/8 inch in width in accordance with the deck manufacturer's recommendations.		
Precast / Pre-Stressed Concrete	Minimum deck thickness 2" Fill joints with suitable masonry grout at vertical offsets between panels troweled to provide a smooth, uniform surface	Inspect deck panels prior to roof installation. Correct offset and variations in camber between units.		
Lightweight Insulating	Minimum deck thickness of 2" Minimum compressive strength of 200 psi and a minimum density of 22 pcf for adhered roofing systems	Comply with requirements of deck manufacturer. Do not install during periods of inclement weather, rain or ambient temperatures below freezing. Frozen decks shall be replaced. Inspect		
Concrete	adhered application of IB roof assemblies	Cellular lightweight insulating concrete may be installed over approved galvanized non-slotted		
	written approval of IB Technical Services Manager	decking or structural / precast concrete decks.		
	Secure all panels to supports to resist uplift and lateral movement	Decks shall be protected from the weather during storage and application; any wet or deformed decking shall be removed and replaced		
Cementitious Wood Fiber	Grout and level deflections and irregularities between panels to provide a level, smooth deck	Composite deck pagels containing EPS / YPS		
	Installation in high humidity environments requires careful design, maintenance, and air / moisture control to prevent excess moisture accumulation and deck deterioration	polystyrene insulation are not suitable for use with solvent-based roof system adhesives.		
0	Minimum deck thickness of 2"	Comply with requirements of deck manufacturer. Do not install during periods of inclement weather, rain or ambient temperatures below freezing. Frozen decks shall be replaced.		
Gypsum	Poured decks reinforced with steel mesh over gypsum formboard	Decks should be inspected for signs of entrapment or excess moisture.		
	Precast units formed with reinforced steel edges for clipped or fastened application to supports	Mandatory fastener withdrawal tests in accordance with ANSI/SPRI FX-1 required.		

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TABLE A.2 – INSULATION FASTENER SCHEDULE FOR ADHERED IB ROOF MEMBRANES

Deck Types: min, 22 ga, Steel, min, 4" Structural Concrete, 1/2" – 3/4" Plywood, 1" or greater Wood Plank, Tongue and Groove								
	,		,	4' x 4'			<u>4' x 8'</u>	-
Insulation Type		Thickness	Field	Perimeter	Corner	Field	Perimeter	Corner
	IB Energy Board II/III	1.0" – 1.4"	6	9	12	12	18	24
Polyisocyanurate	IB Energy Board II/III	1.5" – 1.9"	5	8	10	10	15	20
	IB Energy Board II/III	2.0" Min.	4	6	8	8	12	16
Polystyrene	EPS / XPS ²	1.0" Min.	6	9	12	12	18	24
, ,	EPS / XPS ²	1.5" Min.	6	9	12	12	18	24
	DensDeck [®] Prime / DEXCell [®] FA Glass Mat Board	.25" Min.	6	9	12	12	18	24
	Securock [®] UltraLight Coated Glass Mat Securock [®] Gypsum Fiber Roof Board	.25" Min.	6	9	12	12	18	24
	Structodek® HD Red Primed Board	.50"	6	9	12	12	18	24
	DensDeck [®] Prime / DensDeck [®] StormX Prime	.50"625" Min.	5	8	10	10	15	20
Cover Board	DEXCell [®] FA Glass Mat Board / DEXCell [®] Cement Roof Board	.50"625" Min.	5	8	10	10	15	20
	Securock [®] UltraLight Coated Glass Mat Securock [®] Gypsum Fiber Roof Board	.50"625" Min.	5	8	10	10	15	20
	ACFoam [®] HD Cover Board / Hshield HD ISO	.50"	5	8	10	10	15	20
Deck Types	Min. 24 ga. Steel, LWIC over Steel	Form Deck ¹ , 7/16" OSB, Cementitious Wood Fiber, Poured Gypsum					um	
	Insulation Type	Thickness	4' x 4' 4' x 8'					
		THICKNESS	Field	Perimeter	Corner	Field	Perimeter	Corner
Polvisocvanurate	IB Energy Board II/III	1.0" – 1.9"	8	12	16	16	24	32
T OlyiSocyaliulate	IB Energy Board II/III	2.0" Min.	6	9	12	12	18	24
Polystyrene	EPS / XPS ²	1.0" Min.	8	12	16	16	24	32
	EPS / XPS ²	1.5" Min.	8	12	16	16	24	32
	DensDeck [®] Prime / DEXCell [®] FA Glass Mat Board	.25" Min.	8	12	16	16	24	32
Cover Board	Securock [®] UltraLight Coated Glass Mat Securock [®] Gypsum Fiber Roof Board	.25" Min.	8	12	16	16	24	32
COVOI DOUIN	Structodek® HD Red Primed Board	. 50"	8	12	16	16	24	32
	DensDeck [®] Prime / DensDeck [®] StormX Prime	.50"625" Min.	6	9	12	12	18	24
	DEXCell [®] FA Glass Mat Board / DEXCell [®] Cement Roof Board	.50"625" Min.	6	9	12	12	18	24
	Securock [®] UltraLight Coated Glass Mat Securock [®] Gypsum Fiber Roof Board	.50"625" Min.	6	9	12	12	18	24
	ACFoam [®] HD Cover Board / Hshield HD ISO	.50"	6	9	12	12	18	24

The above fastening guidelines are approved by IB Roof Systems for use in accordance with our current specifications and meet minimum IB installation requirements for issuance of standard published IB warranties. Roof deck fastener withdrawal resistance must meet or exceed IB required minimums. Fasteners and plates must be IB labeled and approved for the specific deck type. Buildings with field of roof design velocity pressures above -30 psf and projects requiring IB Wind Riders may require additional fasteners and roof system securement. IB Roof Systems does not practice architecture or engineering. It is the responsibility of the designer of record, building owner or roofing contractor to determine required roof assembly wind resistance and comply with applicable code requirements. Contact IB for additional information and refer to published IB roof assembly Approval listings, General Requirements, Specifications, and Construction Details for information on roof components and fastening rates to meet specific project design requirements.

¹Requires prior written approval of IB Technical Services for existing dry Cellular LWIC over minimum 24-gauge Steel Form-Deck ²Requires minimum 1.5 lb./ft³ density and minimum .25" layer of IB approved Gypsum or HD polyisocyanurate cover board or minimum 1.0" layer of IB Polyisocyanurate board above EPS/XPS insulation



TABLE A.3 - SUBSTRATE WITHDRAWAL RESISTANCE AND INSULATION FASTENER TABLE							
Deck / Substrate Type	Fastener Withdrawal – Average Resistance	Insulation Fas Recomme	Fastener Penetration into				
	Values ¹	Fastener	Plate	Deck			
1" minimum Wood Plank	450 lbs.	SD #12, HD #14	3" Round Galvalume	1" Min.			
1/2" minimum C-D, Exposure 1 Plywood	425 lbs.	SD #12, HD #14	3" Round Galvalume	1/2" through			
5/8" OSB	350 lbs.	HD #14, XHD#15	3" Round Galvalume	1/2" through			
7/16" OSB	275 lbs.	HD #14, XHD#15	3" Round Galvalume	1/2" through			
22 ga. Steel	525 lbs.	SD #12, HD #14, XHD #15	3" Round Galvalume	3/4" through			
24 ga. Steel	425 lbs.	HD #14, XHD#15	3" Round Galvalume	3/4" through			
Cellular LWIC over 24 ga. Steel Form	425 lbs.	HD #14, XHD#15	3" Round Galvalume	3/4" through			
Structural Concrete	800 lbs.	IB HD #14 or Dekspike	3" Round Galvalume	1-1/4" Min.			
Poured Gypsum	300 lbs.	Deklite or GypTec	3" Round Gyp Plate	1-1/2 ["] Min.			
Cementitious Wood Fiber	300 lbs.	Deklite or GypTec	3" Round Gyp Plate	1-1/2 [°] Min.			
Easteners shall be IB Roof Systems supplied and approved for the specific substrate / roof deck type							

TABLE A.4 – IB INSULATION ADHESIVE SCHEDULE FOR ADHERED IB ROOF MEMBRANES Thickness Field **Approved Decks / Substrates** Insulation Type² Perimeter Corner 1.0" Min. Polyisocyanurate EPS (1.5 pcf)³ / 1.5" Min. XPS (1.55 pcf)3 - Structural Concrete HD ISO / Approved - Cellular Lightweight Insulating 1.5" Min. Composite 12" o.c. 8" o.c. 6" o.c. Concrete (max.) (max.) (max.) Gypsum Cover Board .25" Min. - Cementitious Wood Fiber Cement Roof Board .375" Min. - Approved Existing Roof Systems¹ HD ISO Cover Board Structodek Wood Fiberboard .50" Min. (primed)

The above insulation adhesive guidelines are approved by IB Roof Systems for use in accordance with our current specifications and meet minimum IB installation requirements for issuance of standard published IB warranties. Roof deck insulation adhesive withdrawal resistance must meet or exceed IB required minimums. Contractor must confirm adequate adhesion to substrates with insulation adhesive pull tests in accordance with ANSI / SPRI IA-1. Insulation adhesive must be IB labeled and approved for the specific deck and substrate type. Buildings with field of roof design velocity pressures above -30 psf and projects requiring IB Wind Riders may require additional adhesive and supplemental roof system securement. IB Roof Systems does not practice architecture or engineering. It is the responsibility of the designer of record, building owner or roofing contractor to determine required roof assembly wind resistance and comply with applicable code requirements. Contact IB for additional information and refer to published IB roof assembly Approval listings, General Requirements, Specifications and Construction Details for information on roof components and adhesive application rates to meet specific project design requirements.

¹Prepared and primed existing smooth or granule surfaced asphaltic BUR and MB roof systems meeting IB specifications and requirements. ²Roof insulation boards must be IB Roof Systems labeled, supplied, or approved for use with IB roof membranes and assemblies.

³Requires minimum .25" layer of IB approved gypsum board, .375" cement board, .5" high density polyisocyanurate cover board, .5" high density wood fiber board, or minimum 1.0" layer of IB approved polyisocyanurate board above EPS/XPS insulation



TABLE A.5 – INSULATION FASTENING TABLE FOR INDUCTION WELDED IB ROOF MEMBRANES

	Fastener Withdrawal –	Insulation Fastener	Fastener			
Deck / Substrate Type	Average Resistance Values ¹	Fastener/Plate	Fastening Pattern F/P/C	Penetration into Deck		
Structural Concrete	800 lbs.	IB HD #14, CD-10 or Dekspike	6-9-12	1" Min.		
22 ga. Steel	525 lbs.	XHD #15	6-9-12	3/4" through		
24 ga. Steel	425 lbs.	XHD #15	8-12-16	3/4" through		
16 ga. Purlin	700 lbs.	IB #12 Purlin	12" o.c.	3/4" through		
1/2" minimum Plywood	425 lbs.	HD #14	8-12-16	1/2" through		
1" minimum Wood Plank	450 lbs.	HD #14	8-12-16	1" Min.		
LWIC over Steel Form Deck	425 lbs.	XHD #15	8-12-16	3/4" through		
7/16" minimum OSB	OSB Contact IB Technical Services for prior approval and fastening schedule per project					
5/8" minimum OSB Contact IB Technical Services for prior approval and fastening schedule per project						
¹ Fasteners shall be IB Roof Systems supplied and approved for the specifics substrate / roof deck type. ² Fastening density based on 4' x 8' board size and conformance with IB required withdrawal resistance values						

TABLE A.6 – STANDARD IN-SEAM MEMBRANE FASTENING SCHEDULE FOR IB MECHANICALLY ATTACHED ROOF MEMBRANES

Deck Types	Fastening Rate	IB Fastener	IB Plate	Pull-Test			
				Resistance Values			
Structural Concrete	18" o.c.	IB HD #14, CD-10 or Dekspike	2" or 2-3/8" Barbed	800 lbs.			
22 ga. Steel	18" o.c.	IB XHD #15	2-3/8" Barbed	525 lbs.			
24 ga. Steel	12" o.c.	IB XHD #15	2-3/8" Barbed	425 lbs.			
26 ga. Steel	eel Contact IB Technical Services for prior project approval and fastening schedule						
16 ga. Purlins	12" o.c.	IB #12 Purlin	2-3/8" Barbed	700 lbs.			
1/2" minimum Plywood	12" o.c.	IB HD #14 or XHD #15	2" or 2-3/8" Barbed	425 lbs.			
1" minimum Wood Plank	12" o.c.	IB HD #14 or XHD #15	2" or 2-3/8" Barbed	450 lbs.			
LWIC over Steel Form Deck ¹	12" o.c.	IB XHD #15	2-3/8" Barbed	425 lbs.			
Cementitious Wood Fiber	6" o.c.	IB Deklite or Gyptec	2" Barbed Gyp Plate	300 lbs.			
Poured Gypsum	6" o.c.	IB Deklite or Gyptec	2" Barbed Gyp Plate	300 lbs.			
7/16" minimum OSB	6" o.c.	IB HD #14 or XHD #15	2" or 2-3/8" Barbed	275 lbs.			
5/8" minimum OSB	12" o.c.	IB HD #14 or XHD #15	2" or 2-3/8" Barbed	350 lbs.			
¹ Requires prior written approval penetration through the steel de	of IB Technical Services.	Limited to existing dry Cellular LW	IC fill over minimum 24 ga. St	eel Form Deck with fastener			
The above fastening guidelines are approved by IB Roof Systems for use in accordance with our current specifications and meet minimum IB							

In a above fastering guidelines are approved by IB Roof Systems for use in accordance with our current specifications and meet minimum is installation requirements for issuance of standard published IB warranties. IB Roof Systems does not certify or assume responsibility for the design, condition, or performance of the roof deck; or its conformance to local code or IB minimum fastener withdrawal resistance requirements. Fasteners and plates must be IB labeled and approved for the specific deck type. Buildings with field of roof design wind uplift pressure above -30 psf and projects requiring IB Wind Riders may require additional fasteners and roof system securement. IB Roof Systems does not practice architecture or engineering. It is the responsibility of the designer of record, building owner or roofing contractor to determine required roof assembly wind resistance and comply with applicable project design and code requirements. Contact IB for additional information and refer to published IB roof assembly approval listings, General Requirements, Specifications and Construction Details for information on roof components and fastening rates to meet specific project design requirements. Roof Systems[™]

TABLE A.7 – WIND RESISTANCE ENHANCEMENTS AT FIELD, PERIMETER, AND CORNER ZONE AREAS – STANDARD RECTANGULAR BUILDINGS WITH ROOF ANGLES 0° to ≤ 7°

ASCE 7-10	
Roof Heights ≤ 60'	Field of Roof (Zone 1): Interior area of roof, exclusive of Perimeter Zone 2 and Corner Zone 3 areas.
Roof Heights ≤ 60'	Perimeter (Zone 2): Perimeter edges of roof, extending inward from roof edge a distance of .1 x Building
	Width (Lesser plan dimension), or .4 x mean height of roof (whichever is less), with a minimum of 4% of
	least horizontal dimension or 3 feet.
Roof Heights ≤ 60'	Corner (Zone 3): Dimensions set by the width and intersection of the building's Perimeter Zones.
Roof Heights > 60'	Field of Roof (Zone 1): Interior area of roof, exclusive of Perimeter Zone 2 and Corner Zone 3 areas.
Roof Heights > 60'	Perimeter (Zone 2): Perimeter edges of roof, extending inward from roof edge a distance of .1 x Building Width (Lesser plan dimension), with a minimum of 3 feet.
Roof Heights > 60'	Corner (Zone 3); Roof heights above 60 feet require the length of the Corner Zone along each perimeter edge outward from the corner, to be multiplied by a factor of two.
ASCE 7-16	
Roof Heights ≤ 60'	Field of Roof (Zone 1'): Interior area of roof which may remain when Zones 1, 2, and 3 are present;
	extending inward from inside edge of Field of Roof Zone 1
	Note: Not present on all buildings and roof layouts.
Roof Heights ≤ 60'	Field of Roof (Zone 1): Interior area of roof, extending inward from inside edge of Perimeter Zone 2 to a
	distance of .6 x Mean Height of Roof.
Roof Heights ≤ 60'	Perimeter (Zone 2): Perimeter edges of roof, extending from roof edge inward a distance of .6 x Mean
	Height of Roof. Roofs with continuous parapet walls 3' in height or greater may use Perimeter Zone 2 wind
	uplift calculations and securement within Corner Zone areas.
Root Heights $\leq 60^{\circ}$	Corner (Zone 3): Corner areas are L-snaped, extending inward and along the root edge in both directions
Roof Heights > 60'	Field of Roof (Zone 1'): Interior area of roof which may remain when Zones 1, 2, and 3 are present;
	extending inward from inside edge of Field of Roof Zone 1
Roof Heights > 60'	Perimeter (Zone 2): Perimeter edges of roof, extending from roof edge inward a distance of .1 x Building
	Width (Lesser plan dimension) with a minimum of 3 feet.
Roof Heights > 60'	Corner (Zone3): Roof heights above 60 feet require the length of the Corner Zone along each perimeter
	edge outward from the corner, to be multiplied by a factor of two.

TABLE A.8 – HALF SHEET SECUREMENT TABLE AND PERIMETER AND CORNER ZONE WIDTHS								
	Perimeter 2	Zone Width	ne Width Corner Zone Length Corner Zone Width Prescriptive # Width Sh		rner Zone Length Corner Zone Width		e # of Half- Sheets	
Roof Height	ASCE 7-10*	ASCE 7-16	ASCE 7-10*	ASCE 7-16	ASCE 7-10*	ASCE 7-16	ASCE 7-10*	ASCE 7-16
15	6'	9'	6'	9'	6'	3'	2	3
30	12'	18'	12'	18'	12'	6'	4	6
45	18'	27'	18'	27'	18'	9'	6	9
59	24'	36'	24'	36'	24'	12'	8	12
*ASCE 7-10 all	ows perimeter zo	one width calcula	ation of .1 x build	ling width (lesser	plan dimension) or .4 x building	height, whicheve	er is less.



TABLE A.5 - ALTERNATE SECOREMENT TABLE FOR PERIMETER AND CORNER ZONES						
Roof Height	Deck Type	Securement @ Roof Edge ¹	# of Half Sheets	In-Seam Attachment o.c. ²	Wind Speed ³	
≤ 15 ft	Concrete, Steel, 1/2" Plywood, Wood Plank, 5/8" OSB	12" o.c.	0	12" o.c.	IB Standard Warranty	
≤ 15 ft	CWF, GYP, 7/16" OSB	6" o.c.	0	6" o.c.		
16-30 ft	Concrete, 22 ga. Steel, 5/8" Plywood, Wood Plank, 5/8" OSB	12" o.c.	0	12" o.c.		
16-30 ft	24 ga. Steel, 1/2" Plywood, CWF, GYP, 7/16" OSB	6" o.c.	0	6" o.c.		
Roof Height	Deck Type	Securement @	# of Half	In-Seam	Wind Speed ³	
		Wall Base ⁴	Sheets	Attachment o.c. ²		
≤ 15 ft	Concrete, 22 ga. Steel, Wood Plank, 5/8" Plywood	Wall Base⁴ 12" o.c.	Sheets 0	Attachment o.c. ² 12" o.c.	IB Standard Warranty	
≤ 15 ft ≤ 15 ft	Concrete, 22 ga. Steel, Wood Plank, 5/8" Plywood 1/2" Plywood, 5/8" OSB	Wall Base ⁴ 12" o.c. 9" o.c.	Sheets 0 0	Attachment o.c. ² 12" o.c. 9" o.c.	IB Standard Warranty	
≤ 15 ft ≤ 15 ft ≤ 15 ft	Concrete, 22 ga. Steel, Wood Plank, 5/8" Plywood 1/2" Plywood, 5/8" OSB CWF, GYP, 7/16" OSB	Wall Base ⁴ 12" o.c. 9" o.c. 6" o.c.	Sheets 0 0 0	Attachment o.c. ² 12" o.c. 9" o.c. 6" o.c.	IB Standard Warranty	
≤ 15 ft ≤ 15 ft ≤ 15 ft 16-30 ft	Concrete, 22 ga. Steel, Wood Plank, 5/8" Plywood 1/2" Plywood, 5/8" OSB CWF, GYP, 7/16" OSB Concrete, 22 ga. Steel, 5/8" Plywood, Wood Plank, 5/8" OSB	Wall Base4 12" o.c. 9" o.c. 6" o.c. 12" o.c.	Sheets 0 0 0 0 0 0 0 0 0	Attachment o.c. ² 12" o.c. 9" o.c. 6" o.c. 12" o.c.	IB Standard Warranty	
≤ 15 ft ≤ 15 ft ≤ 15 ft 16-30 ft 16-30 ft	Concrete, 22 ga. Steel, Wood Plank, 5/8" Plywood 1/2" Plywood, 5/8" OSB CWF, GYP, 7/16" OSB Concrete, 22 ga. Steel, 5/8" Plywood, Wood Plank, 5/8" OSB 1/2" Plywood, 5/8" OSB	Wall Base4 12" o.c. 9" o.c. 6" o.c. 12" o.c. 9" o.c.	Sheets 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Attachment o.c. ² 12" o.c. 9" o.c. 6" o.c. 12" o.c. 9" o.c.	IB Standard Warranty	

TABLE A.9 – ALTERNATE SECUREMENT TABLE FOR PERIMETER AND CORNER ZONES

¹ Supplemental roof edge securement located behind metal drip edge and requires a minimum 12" IB Cover Strip.

² In-seam attachments and specified spacing must be in the first full width sheet in conjunction with specified perimeter edge securement. If

supplemental roof edge securement is not accomplished, then perimeter half sheets per Table A.7 must be followed. ³ Limited to buildings located in Risk Categories I and II and where basic wind speed contour does not exceed 95 mph per ASCE 7-16.

⁴ Membrane securement at parapet wall base must be in an approved roof deck per standard IB Construction Details.

TABLE A.10 – BASE AND WALL FLASHING ALLOWABLE HEIGHT

Detail Condition	Fully Adhered	Mechanically Attached
Base flashings: recommended minimum completed height	8"-12" above field membrane	8"-12" above field membrane
Base and wall flashings: allowable maximum heights (without intermediate fastening rows)	60" above field membrane	18" above field membrane



Wall / Substrate Type Insulation / Cover Board Type attached to Wall Thickness Fastener1 Insulation Fastener Recommendation (4'x4') B IB EnergyBoard II, IB Energy Board III, or other Approved ISO Min. 1.0" – 1.9" IB HD #14, Dekspike or CD-10 6 8 12 IB EnergyBoard II, B Energy Board III, or other Approved ISO Min. 2.0" IB HD #14, Dekspike or CD-10 6 8 12 DensDeck*Prime / DescDeck*Prime / Class Mat Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 - Brick - Masonry - Structural - Concrete DescDeck*Prime / DescDeck*Prime / DescDeck*Prime / DescDeck*Prime / DescDeck*Prime / DescDeck*Prime / DescDeck*Prime / DEXCell*Cent Rod Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - Wasonry - %" Plywood Glass Mat Securock* Oxpsum Fiber Rod Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - %" Plywood EnergyBoard II, IB Energy Board II, or other Approved ISO Min10" - 1.9" IB HD #14, Dekspike or CD-10 5 6 9 - %" Plywood EnergyBoard II, IB Energy Board II, or other Approved ISO Min. 1.0" - 1.9" IB HD #14, Dekspike or CD-10 6	TABLE A.11 – INDUCTION WELDED WALL SUBSTRATE WITHDRAWAL RESISTANCE AND FASTENING TABLE							
Type Type attached to Wall Immuno Fastener/ 4 x 4' 4 x 8' B Type attached to Wall Min. 1.0" – 1.9" IB HD #14, Dekspike or CD-10 6 8 12 B EnergyBoard II, IB Energy Board III, or other Approved ISO Min. 2.0" IB HD #14, Dekspike or CD-10 6 8 12 1 B EnergyBoard II, B Energy Board III, or other Approved ISO Min. 2.0" IB HD #14, Dekspike or CD-10 5 6 9 1 B EXCell® FA Glass Mat Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 1 Securock® Ultralight Coated Glass Mat Securock® Cypsum Fiber Roof Board Min05"625" IB HD #14, Dekspike or CD-10 5 6 9 1 Securock® Ultralight Coated Glass Mat Securock® Cypsum Fiber Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 1 Securock® Ultralight Coated Glass Mat Securock® Cypsum Fiber Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 1 Pastenerissoweld plates direct into approved substrate Min	Wall / Substrate	Insulation / Cover Board	Thickness		Insulation Fastener Recommendatio			
IB ID Perimeter Corner Perimeter Corner Perimeter Corner IB EnergyBoard III, or other Approved ISO Min. 1.0" – 1.9" IB HD #14, Dekspike or CD-10 6 8 12 12 IB EnergyBoard III, B Energy Min. 2.0" IB HD #14, Dekspike or CD-10 6 8 12 12 Brick DensDeck® Prime / Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 12 Brick DensDeck® Prime / Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 12 Masonry DEXCell® FA Glass Mat Board / DensDeck® Storm X Prime Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 12	Туре	Type attached to Wall		Fastener ¹	4' x 4'		4' x	8'
Brick IB EnergyBoard II, IB Energy Board II, or other Approved ISO Min. 1.0" - 1.9" IB HD #14, Dekspike or CD-10 6 8 12 B EnergyBoard II, or other Approved ISO Min. 2.0" IB HD #14, Dekspike or CD-10 5 6 9 1 B EnergyBoard II, B Energy Board III, or other Approved ISO Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 DensDeck® Prime / DEXCell® FA Glass Mat Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 - Masonry Securock® UltraLight Coated Glass Mat Securock® Gypsum Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - - Masonry DEXCell® FA Glass Mat Board / DEXCell® Cement Rod Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - - Structural Securock® UltraLight Coated Glass Mat Securock® Gypsum Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - - Structural Fiber Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - - Structural <td< th=""><th></th><th></th><th></th><th></th><th>Perimeter</th><th>Corner</th><th>Perimeter</th><th>Corner</th></td<>					Perimeter	Corner	Perimeter	Corner
IB EnergyBoard II, IB Energy Board III, or other Approved ISO DensDeck*Pirme / DEXCell*PA Glass Mat Board Min. 0.25" IB HD #14, Dekspike or CD-10 5 6 9 - Brick DEXCell*PA Glass Mat Board Glass Mat Securock® Gypsum Fiber Roof Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 - Brick DensDeck*Pirme / Glass Mat Securock® Gypsum Fiber Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - Structural DensDeck*Pirme / DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - - Structural DexsDeck*Pirme / DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - - Structural DessDeck® Deard Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - - BEnergyBoard II, IB Energy Board III, or other Approved ISO 0.50" IB HD #14, Dekspike or CD-10 5 6 9 - B EnergyBoard II, IB Energy Board III, or other Approved ISO Min. 1.0" - 1.9" IB HD #14, Dekspike or CD-10 6 8 12		IB EnergyBoard II, IB Energy Board III, or other Approved ISO	Min. 1.0" – 1.9"	IB HD #14, Dekspike or CD-10	6	8	12	16
Brick DensDeck® Prime / DEXCell® FA Glass Mat Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 - Brick Securock® Ultral.ight Coated Glass Mat Securock® Oppum Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 - Brick DensDeck® Prime / DensDeck® StormX Prime Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - Structural DEXCell® FA Glass Mat Board / DensDeck® StormX Prime Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - Structural DEXCell® FA Glass Mat Board / Descurock® UltraLight Coated Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 9 - %" Plywood Glass Mat Securock® UltraLight Coated Its proved substrate IB HD #14, Dekspike or CD-10 6 8 12 9 B EnergyBoard II, IB Energy Board III, or other Approved ISO Min. 1.0" - 1.9" IB HD #14, Dekspike or CD-10 6 8 12 9 B Board III, or other Approved ISO Min 2.0" IB HD #14, Dekspike or CD-10 6 8 12 9 DexSOell® FA Glass Mat Board		IB EnergyBoard II, IB Energy Board III, or other Approved ISO	Min 2.0""	IB HD #14, Dekspike or CD-10	5	6	9	12
Brick Securock® UltraLight Coated Glass Mat Securock® Gypsum Fiber Roof Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 - Brick DensDeck® Prime / DENSDeck® StormX Prime Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - Structural DensDeck® StormX Prime Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - Structural DEXCell® FA Glass Mat Board / DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - - %4" Plywood Fastener/isoweld plates direct into approved substrate Min50"625" IB HD #14, Dekspike or CD-10 6 8 12 - B EnergyBoard II, IB Energy Board II, or other Approved ISO Min. 1.0" - 1.9" IB HD #14, Dekspike or CD-10 6 8 12 - B EnergyBoard II, IB Energy Board III, or other Approved ISO Min. 1.0" - 1.9" IB HD #14, Dekspike or CD-10 6 8 12 - - DEXCell® FA Glass Mat Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 - - DesDeck		DensDeck [®] Prime / DEXCell [®] FA Glass Mat Board	Min. 0.25"	IB HD #14, Dekspike or CD-10	6	8	12	16
Brick Masonry DensDeck® Prime / DensDeck® StormX Prime Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 Structural Concrete DEXCell® Calsas Mat Board / DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 * Win Plywood Securock® UltraLight Coated Gass Mat Securock® Gypsum Fiber Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 Fastener/isoweld plates direct into approved substrate Min50"625" IB HD #14, Dekspike or CD-10 6 8 12 Bas Mat Securock® Outration of the Approved ISO Min10" - 1.9" IB HD #14, Dekspike or CD-10 6 8 12 Bas Ard III, or other Approved ISO Min. 2.0"" IB HD #14, Dekspike or CD-10 6 8 12 Bas Ard III, or other Approved ISO Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 DensDeck® Prime / DEXCell® FA Giass Mat Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 • Mine Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9		Securock [®] UltraLight Coated Glass Mat Securock [®] Gypsum Fiber Roof Board	Min. 0.25"	IB HD #14, Dekspike or CD-10	6	8	12	16
Masonry DEXCell® FA Glass Mat Board / DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - Structural Concrete Securock® UltraLight Coated Glass Mat Securock® Gypsum Fiber Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - ¾" Plywood Fastener/isoweid plates direct into approved substrate Min50"625" IB HD #14, Dekspike or CD-10 6 8 12 B EnergyBoard II, IB Energy Board III, or other Approved ISO 0.50" IB HD #14, Dekspike or CD-10 6 8 12 B EnergyBoard II, IB Energy Board III, or other Approved ISO Min0" - 1.9" IB HD #14, Dekspike or CD-10 6 8 12 DensDeck® Prime / DensDeck® Prime / 24 ga. steel Min. 20 Cated Glass Mat Board Min0.25" IB HD #14, Dekspike or CD-10 6 8 12 - ½" Plywood DensDeck® Prime / DensDeck® StormX Prime Min50"625" IB HD #14, Dekspike or CD-10 6 8 12 - ½" Plywood DexCell® FA Glass Mat Board / DensDeck® StormX Prime Min50"625" IB HD #14, Dekspike or CD-10 5 6 9	- Brick	DensDeck [®] Prime / DensDeck [®] StormX Prime	Min50"625"	IB HD #14, Dekspike or CD-10	5	6	9	12
Concrete Securock® UltraLight Coated Glass Mat Securock® Gypsum Fiber Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - ¾" Plywood Fastener/isoweld plates direct into approved substrate Min50"625" IB HD #14, Dekspike or CD-10 6 8 12 - Fastener/isoweld plates direct into approved substrate IB HD #14, Dekspike or CD-10 5 6 9 - B EnergyBoard II, IB Energy Board III, or other Approved ISO Min. 1.0" – 1.9" IB HD #14, Dekspike or CD-10 6 8 12 - B EnergyBoard II, IB Energy Board III, or other Approved ISO Min. 2.0"" IB HD #14, Dekspike or CD-10 6 8 12 - BexCell® FA Glass Mat Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 - ½" Plywood - 24 ga. steel DensDeck® Opsum Fiber Roof Board Min50"625" IB HD #14, Dekspike or CD-10 6 8 12 - ½" Plywood - 24 ga. steel DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - ½" Plywood - 24 ga. steel DEXCell® Cement Roof Board	- Masonry - Structural	DEXCell [®] FA Glass Mat Board / DEXCell [®] Cement Roof Board	Min50"625"	IB HD #14, Dekspike or CD-10	5	6	9	12
Hshield HD ISO 0.50" IB HD #14, Dekspike or CD-10 6 8 12 Fastener/isoweld plates direct into approved substrate IB HD #14, Dekspike or CD-10 5 6 9 IB EnergyBoard II, or other Approved ISO Min. 1.0" – 1.9" IB HD #14, Dekspike or CD-10 6 8 12 IB EnergyBoard II, or other Approved ISO Min. 2.0"" IB HD #14, Dekspike or CD-10 6 8 12 IB EnergyBoard II, or other Approved ISO Min 2.0"" IB HD #14, Dekspike or CD-10 5 6 9 DensDeck® Prime / DEXCell® FA Glass Mat Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 - ½" Plywood DensDeck® Of Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 - ½" Plywood DensDeck® Of Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - ½" Plywood DEXCell® FA Glass Mat Board / DensDeck® StormX Prime Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - ½" Plywood DEXCell® FA Glass Mat Board / DextCell® FA Glass Mat Board / DextCell® FA Glass	 Concrete ³⁄₄" Plywood 	Securock [®] UltraLight Coated Glass Mat Securock [®] Gypsum Fiber Roof Board	Min50"625"	IB HD #14, Dekspike or CD-10	5	6	9	12
Fastener/isoweld plates direct into approved substrate IB HD #14, Dekspike or CD-10 5 6 9 IB EnergyBoard II, IB Energy Board III, or other Approved ISO Min. 1.0" – 1.9" IB HD #14, Dekspike or CD-10 6 8 12 IB EnergyBoard II, IB Energy Board III, or other Approved ISO Min 2.0"" IB HD #14, Dekspike or CD-10 5 6 9 IB EnergyBoard II, or other Approved ISO Min 2.0"" IB HD #14, Dekspike or CD-10 5 6 9 DensDeck® Prime / DEXCell® FA Glass Mat Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 Securock® UltraLight Coated Glass Mat Securock® Gypsum Fiber Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - ½" Plywood - 24 ga. steel DEXCell® FA Glass Mat Board / DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - ½" Plywood - 24 ga. steel DEXCell® FA Glass Mat Board / DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - ½" Plywood - 24 ga. steel DEXCell® Cement Roof Board Hshield HD ISO 0.50" IB HD #14, Dekspike		Hshield HD ISO	0.50"	IB HD #14, Dekspike or CD-10	6	8	12	16
IB EnergyBoard II, IB Energy Board III, or other Approved ISO Min. 1.0" – 1.9" IB HD #14, Dekspike or CD-10 6 8 12 IB EnergyBoard II, or other Approved ISO Min 2.0"" IB HD #14, Dekspike or CD-10 5 6 9 Beard III, or other Approved ISO Min 2.0"" IB HD #14, Dekspike or CD-10 5 6 9 DensDeck® Prime / DEXCell® FA Glass Mat Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 Securock® UltraLight Coated Glass Mat Securock® Gypsum Fiber Roof Board Min025" IB HD #14, Dekspike or CD-10 6 8 12 DensDeck® Prime / DensDeck® StormX Prime Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 EXCell® FA Glass Mat Board / DensDeck® StormX Prime Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 Elses Mat Securock® Gypsum Fiber Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 Fiber Roof Board Min50"625" <t< td=""><td></td><td>Fastener/isoweld plates direct into approved substrate</td><td></td><td>IB HD #14, Dekspike or CD-10</td><td>5</td><td>6</td><td>9</td><td>12</td></t<>		Fastener/isoweld plates direct into approved substrate		IB HD #14, Dekspike or CD-10	5	6	9	12
IB EnergyBoard II, IB Energy Board III, or other Approved ISO Min 2.0"" IB HD #14, Dekspike or CD-10 5 6 9 DensDeck® Prime / DEXCell® FA Glass Mat Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 Securock® UltraLight Coated Glass Mat Securock® Gypsum Fiber Roof Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 DensDeck® Prime / DensDeck® StormX Prime Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 DensDeck® StormX Prime Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 DexCell® FA Glass Mat Board / DensDeck® StormX Prime Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 DexCell® FA Glass Mat Board / DexCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 Securock® UltraLight Coated Glass Mat Securock® Gypsum Fiber Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 Hshield HD ISO 0.50" IB HD #14, Dekspike or CD-10 5 6 9 4		IB EnergyBoard II, IB Energy Board III, or other Approved ISO	Min. 1.0" – 1.9"	IB HD #14, Dekspike or CD-10	6	8	12	16
- ½" Plywood DensDeck® Prime / DEXCell® FA Glass Mat Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 - ½" Plywood Glass Mat Securock® Gypsum Fiber Roof Board Min. 0.25" IB HD #14, Dekspike or CD-10 6 8 12 - ½" Plywood DensDeck® Prime / DensDeck® StormX Prime Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - 24 ga. steel DEXCell® FA Glass Mat Board / DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - 5 6 9 OEXCell® FA Glass Mat Board / DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - 24 ga. steel DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 OEXCell® Cement Roof Board - 5 6 9 OEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 OEXCell® Cement Roof Board OEXCEL® Cement Roof Board Securock® Clittal ight Coated 6 8 12 OEXCEL® Cement Roof Board Securock® Clittal ight Coated Securock® Clittal ight Coated 6		IB EnergyBoard II, IB Energy Board III, or other Approved ISO	Min 2.0""	IB HD #14, Dekspike or CD-10	5	6	9	12
- ½" Plywood - ½" Plywood - 24 ga. steelSecurock® UltraLight Coated Glass Mat Securock® Gypsum Fiber Roof BoardMin. 0.25"IB HD #14, Dekspike or CD-10 B HD #14, Dekspike or CD-106812- ½" Plywood - 24 ga. steelDensDeck® Prime / DEXCell® FA Glass Mat Board / DEXCell® FA Glass Mat Board / DEXCell® Cement Roof BoardMin50"625"IB HD #14, Dekspike or CD-10 B HD #14, Dekspike or CD-10569Securock® UltraLight Coated Glass Mat Securock® Gypsum Fiber Roof BoardMin50"625"IB HD #14, Dekspike or CD-10 B HD #14, Dekspike or CD-10569Hshield HD ISO0.50"IB HD #14, Dekspike or CD-105696		DensDeck [®] Prime / DEXCell [®] FA Glass Mat Board	Min. 0.25"	IB HD #14, Dekspike or CD-10	6	8	12	16
- ½" Plywood DensDeck® Prime / DensDeck® StormX Prime Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - ½" Plywood DEXCell® FA Glass Mat Board / DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 Securock® UltraLight Coated Glass Mat Securock® Gypsum Fiber Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 Hshield HD ISO 0.50" IB HD #14, Dekspike or CD-10 5 6 9 6		Securock [®] UltraLight Coated Glass Mat Securock [®] Gypsum Fiber Roof Board	Min. 0.25"	IB HD #14, Dekspike or CD-10	6	8	12	16
- ½" Plywood DEXCell® FA Glass Mat Board / DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 - 24 ga. steel DEXCell® Cement Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 Securock® UltraLight Coated Glass Mat Securock® Gypsum Fiber Roof Board Min50"625" IB HD #14, Dekspike or CD-10 5 6 9 Hshield HD ISO 0.50" IB HD #14, Dekspike or CD-10 6 8 12		DensDeck [®] Prime / DensDeck [®] StormX Prime	Min50"625"	IB HD #14, Dekspike or CD-10	5	6	9	12
Securock® UltraLight Coated Glass Mat Securock® Gypsum Fiber Roof BoardIB HD #14, Dekspike or CD-10 5569Hshield HD ISO0.50"IB HD #14, Dekspike or CD-106812	 ½" Plywood 24 ga. steel 	DEXCell [®] FA Glass Mat Board / DEXCell [®] Cement Roof Board	Min50"625"	IB HD #14, Dekspike or CD-10	5	6	9	12
Hshield HD ISO 0.50" IB HD #14, Dekspike or CD-10 6 8 12		Securock [®] UltraLight Coated Glass Mat Securock [®] Gypsum Fiber Roof Board	Min50"625"	IB HD #14, Dekspike or CD-10	5	6	9	12
		Hshield HD ISO	0.50"	IB HD #14, Dekspike or CD-10	6	8	12	16
Fastener/isoweld plates direct into approved substrate IB HD #14, Dekspike or CD-10 5 6 9		Fastener/isoweld plates direct into approved substrate		IB HD #14, Dekspike or CD-10	5	6	9	12



TABLE A.12 – FLASHING SECUREMENT

Detail Condition	Fully Adhered	Mechanically Attached				
Membrane termination to roof deck or base of walls:						
Perimeter edge wood nailers, and parapet walls	12" o.c.	Min 12" o c				
Curbs, expansion joints, wood blocking, columns, and similar vertical terminations in the field of roof		/ Will. 12 0.0.				
Membrane termination: At pipes and small penetrations in field of roof (less than 12" o.c. diameter)	6" o.c. / Min. of 3 fastener and plates per detail	6" o.c. / Min. of 3 fastener and plates per detail				
Membrane termination: At drains and large pipe / stack flashings in field of roof (12" o.c. diameter or greater)	12" o.c. / Min. 4 fasteners and plates per detail	Fasten at in-seam spacing for field of roof / Min. 12" o.c. (Min. 4 per detail)				
Base flashing: Top edge at walls or parapets	12" o c	12" o c				
With reglet or approved counterflashing / coping	12 0.0.	12 0.0.				
With termination bars	6" o.c.	6" o.c.				
Intermediate rows: at high walls	12" o.c.	Fasten at in-seam spacing for field of roof / Min. 12" o.c.				
Transitions, valleys, and tie-ins to sloped areas	12" o.c.	Fasten at in-seam spacing for field of roof / Min. 12" o.c.				
Base flashing: Top edge at field of roof curbs, wood blocking, expansion joints, and similar vertical terminations	12" o.c.	12" o.c.				
Perimeter Metal Edge Flashings:	Nails: 4" o.c.	Nails: 4" o.c.				
IB PVC Clad Drip Edge or IB PVC Clad Gravel Stop	Screws: 12" o.c.	Screws: 12" o.c.				
Continuous metal cleat (22 ga. Min.)	Screws: 12" o.c.	Screws: 12: o.c.				
IB Snap-Fascia	Scrows: 12" o o	Scrows: 12" o c				
Anchor Tite Drip Edge	Screws. 12 0.c.	Screws. 12 0.C.				
IB Aluminum Lip Termination Bar	Screws: 6" o.c.	Screws: 6" o.c.				
Sheet metal coping with exterior cleat (inside face securement)	Screws: 24" o.c.	Screws: 24" o.c.				
¹ The above fastening schedules are minimum IB requirements for standard published IB warranty installations. Fastening schedules for high-wind						

¹The above fastening schedules are minimum IB requirements for standard published IB warranty installations. Fastening schedules for high-wind and specific project design conditions, and/or to comply with ES-1 and applicable building codes may require supplemental increased fastening for compliance.



TABLE A.13 – BALLAST & PAVER SCHEDULE FOR BUILDINGS					
BALLAST SCHEDULE F	OR BUILDINGS < 15 FT IN	HEIGHT ¹			
Risk Category I or II, Expo	sure B urban, suburban. Expo	osure C rural locations. No ex	posure D or coastal locations		
Parapet Height	Field	Perimeter	Corner		
< 36" (0.9m)	#4 Ballast (Nom.1-1/2")	#4 Ballast (Nom.1-1/2")	#4 Ballast (Nom.1-1/2")		
	@ 10 lbs. / sq. ft.	@ 13 lbs. / sq. ft.	@ 13 lbs. / sq. ft.		
> 36" (0.9m)	#4 Ballast (Nom.1-1/2")	#4 Ballast (Nom.1-1/2")	#4 Ballast (Nom.1-1/2")		
	@ 10 lbs. / sq. ft.	@ 10 lbs. / sq. ft.	@ 10 lbs. / sq. ft.		
BALLAST SCHEDULE F	FOR BUILDINGS > 15 FT TO	O < 35 FT IN HEIGHT ¹			
Risk Category I or II, Expo	sure B urban, suburban. Expo	osure C rural locations. No ex	posure D or coastal locations		
Parapet Height	Field	Perimeter	Corner		
< 36" (0.9m)	#4 Ballast (Nom.1-1/2")	#2 Ballast (Nom. 2-1/2")	#2 Ballast (Nom. 2-1/2")		
	@ 10 lbs. / sq. ft.	@ 13 lbs. / sq. ft.	@ 13 lbs. / sq. ft.		
> 36" (0.9m)	#4 Ballast (Nom.1-1/2")	#2 Ballast (Nom.1-1/2")	#2 Ballast (Nom.1-1/2")		
	@ 10 lbs. / sq. ft.	@ 13 lbs. / sq. ft.	@ 13 lbs. / sq. ft.		
BALLAST SCHEDULE F	OR BUILDINGS > 35 FT IN	HEIGHT			
	Contact IB Techni	cal Services for prior approval			
PAVER SCHEDULE FO	<u>R BUILDINGS < 35 FT IN HE</u>	EIGHT			
Risk Category I or II, Expo	sure B urban, suburban. Expo	osure C rural locations. No ex	posure D or coastal locations		
Parapet Height	Field	Perimeter	Corner		
< 36" (0.9m)	Interlocking Pavers	Interlocking Pavers	Interlocking Pavers		
	@ 10 lbs. / sq. ft.	@ 22 lbs. / sq. ft.	@ 22 lbs. / sq. ft.		
> 36" (0.9m)	Interlocking Pavers	Interlocking Pavers	Interlocking Pavers		
	@ 10 lbs. / sq. ft.	@ 10 lbs. / sq. ft.	@ 10 lbs. / sq. ft.		
PAVER SCHEDULE FOR BUILDINGS > 35 FT IN HEIGHT TO 60 FT IN HEIGHT					
Risk Category I or II, Expo	sure B urban, suburban. Expo	osure C rural locations. No ex	posure D or coastal locations		
Parapet Height	Field	Perimeter	Corner		
< 36" (0.9m)	Cor	ntact IB Technical Services for p	rior approval		
> 36" (0.9m)	Interlocking Pavers	Interlocking Pavers	Interlocking Pavers		
	@ 22 lbs. / sq. ft.	@ 22 lbs. / sq. ft.	@ 22 lbs. / sq. ft.		
PAVER SCHEDULE FOR BUILDINGS > 60 FT IN HEIGHT					
Contact IB Technical Services for prior approval					
¹ Approved lightweight interlocking concrete pavers or heavyweight standard concrete pavers are acceptable alternatives for # 2 and # 4 ballast					