

APPENDI	x 1: Attachment Requ	JIREMENTS FOR WIND UPLIFT F	RESISTANC	DE	
TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1	Wood	New or Reroof (Tear-Off)	G	Air-Sealed Deck, Air-Sealed Roof Cover, KELLY CO-2001 "EQUALIZER VALVES"	2
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3C	Structural concrete	New or Reroof (Tear-Off)	G	Air Sealed Deck, Vapor Barrier, Optional Insulation, Coverboard, Roof Cover, KELLY CO-2001 "EQUALIZER VALVES"	7
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The following notes apply to the systems outlined herein:

- 1. The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. Load resistance of the roof deck shall be documented through proper codified and/or FBC Approval documentation.
- 2. Fasteners shall be of sufficient length for the following engagements:
 - Wood Deck: Minimum 0.75-inch plywood penetration or minimum 1-inch wood plank embedment.
 - > Steel Deck: Minimum 0.75-inch steel penetration and engage the top flute of the steel deck.
 - > Structural concrete: Minimum 1-inch embedment. Fasteners installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions.
- 3. Unless otherwise noted, insulation may be any one layer or combination of polyisocyanurate, polystyrene, wood fiberboard, perlite, gypsum-based roof board or mineral wool roof board that meets the QA requirements of F.A.C. Rule 61G20-3 and is documented as meeting FBC 1505.1 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- 4. For mechanically attached components, the maximum design pressure for the selected assembly shall meet or exceed the Zone 1 design pressure determined in accordance with FBC Chapter 16, and Zones 2 and 3 shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria, or an alternate system that meets Zone 2/3 pressure requirements. Assemblies marked with an asterisk* carry the limitations set forth in Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 (January 2016) for Zone 2/3 enhancements.
- 5. For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with ANSI/SPRI FX-1 or Testing Application Standard TAS 105.
- 6. "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC 1609 for determination of design wind pressures.



				W CONSTRUCTION or REROOF (TEAR-OFF) ALED ROOF COVER, KELLY CO-2001 "EQUALIZER VALVES"		
System	Deck			Roof Cover		MDP
No.	(Note 1)	Insulation	Туре	Air Seal	Valve	(psf)
W-1.	New Construction or Re-Roof (Tear-Off): Min. 15/32-inch APA rated plywood	FBC Approved, UL Classified two- component spray applied foamed plastic; formed in two or more layers, min ½-inch thick each, with 2001 Reinforced Fiberglass Mesh (not UL Classified) laid over first layer	Carlisle "Sure-Seal FR Nonreinforced", "Sure-White", "Sure- Tough", "Sure-Tough FR", "Sure-Weld" or "Sure-Weld EXTRA" or "KELLY CPA (PVC)" or "2001 CPA (PVC)"	The perimeter and penetrations are sealed with a mechanically fastened, picture frame of Kelly Co-2001 Inc. termination bars, consisting of: ✓ 2001 butyl rubber gasket (nominal 5/8" x ¾" cross-section) and termination bars consisting of ¾" wide x 6 ft. long extruded aluminum bars. The gasket is centered on the underside of the membrane on the substrate. A termination bar is fastened over the membrane to the deck with 1/4-13 steel screws spaced 7" o.c. through pre-punched holes. or ✓ 2001 butyl rubber gasket (nominal 5/8" x ¾" cross-section) and termination strips consisting of min. 7/16" thick x 6" wide strips of APA rated wood sheeting. The gasket is centered on the underside of the membrane on the substrate. A termination strip is fastened over the membrane to the deck with FBC Approved #14 screws and 3" diameter galvalume metal stress plates spaced 12" o.c.	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO-2001, INC. published requirements	-60.0
W-2.	New Construction: Min. 7/16-inch APA rated plywood or OSB; The longitudinal sides parallel to and centered over wood joists, spaced 24-inch o.c. Butt joints of adjacent sheets are to be staggered. Kelly Co-2001 petroleum-based exterior wood deck adhesive is used to adhere sheathing to joists and to seal all deck joints. Fastening consist of FBC Approved #14 screws and 3" diameter galvalume metal stress plates located in a row at the longitudinal seams of sheathing beginning 4 in. from each staggered butt seam and 20-inch o.c. Another row is located at the longitudinal center line of each sheet, 4-inch from each butt edge and 22-inch o.c.	(Optional) UL Classified, FBC Approved separator mats or slip sheets, or rigid roof insulation, any thickness, adhered, mechanically attached or loose laid	Carlisle "Sure-Seal FR Nonreinforced", "Sure-White", "Sure- Tough", "Sure-Tough FR", "Sure-Weld" or "Sure-Weld EXTRA" or "KELLY CPA (PVC)" or "2001 CPA (PVC)"	The perimeter and penetrations are sealed with a mechanically fastened, picture frame of Kelly Co-2001 Inc. termination bars, consisting of: ✓ 2001 butyl rubber gasket (nominal 5/8" x ¾" cross-section) and termination bars consisting of ½" wide x 6 ft. long extruded aluminum bars. The gasket is centered on the underside of the membrane on the substrate. A termination bar is fastened over the membrane to the deck with 1/4-13 steel screws spaced 7" o.c. through pre-punched holes. or ✓ 2001 butyl rubber gasket (nominal 5/8" x ¾" cross-section) and termination strips consisting of min. 7/16" thick x 6" wide strips of APA rated wood sheeting. The gasket is centered on the underside of the membrane on the substrate. A termination strip is fastened over the membrane to the deck with FBC Approved #14 screws and 3" diameter galvalume metal stress plates spaced 12" o.c.	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO-2001, INC. published requirements	-97.5



		SYSTEM TYPE C: AIR SEALED DEC	TABLE 2A: STEEL D					"FOLIALIZED VALVES	5"	
System	Deck				op Insulation	OOFCOVE	.K, KELLY CO-2001	Roof Cover	•	MDP
No.	(Note 1)	Air Seal	Base Insulation	Туре	Fasteners	Attach	Туре	Attach	Valve	(psf)
S-1.	Min. 22 ga., type B, 33 ksi steel	Minimum min 4 mil Kelly Co-2001, Inc. reinforced polyethylene with end and lap seams overlapped min 6 in., and sealed with 2 in. wide pressure sensitive tape. The poly air barrier must be of sufficient size to wrap over the top of the insulation or cover board, a min of 6 in., around the entire perimeter and at penetrations, to be air sealed to the roof cover.	Anu UL Classified, FBC Approved polyisocyanurate insulation and/or gypsum-based coverboard	Min. 7/16-inch APA rated OSB	Carlisle "Sure- Seal HP Fastener"	1 per 4 ft²	Carlisle "Sure- Seal FR Nonreinforced", "Sure-White", "Sure-Tough" or "Sure-Tough FR"	Carlisle "Sure-Seal 90-8-30A Bonding Adhesive", contact application at 1.67 gal/square	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO-2001, INC. published requirements	-30.0
S-2.	Min. 22 ga., type B, 33 ksi steel	Minimum min 4 mil Kelly Co-2001, Inc. reinforced polyethylene with end and lap seams overlapped min 6 in., and sealed with 2 in. wide pressure sensitive tape. The poly air barrier must be of sufficient size to wrap over the top of the insulation or cover board, a min of 6 in., around the entire perimeter and at penetrations, to be air sealed to the roof cover.	Anu UL Classified, FBC Approved polyisocyanurate insulation and/or gypsum-based coverboard	Min. 7/16-inch APA rated OSB	Carlisle "Sure- Seal HP Fastener"	1 per 4 ft²	Carlisle "Sure- Weld" or "Sure- Weld EXTRA"	Carlisle "Sure-Weld Bonding Adhesive", contact application at 1.67 gal/square	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO-2001, INC. published requirements	-30.0
S-3.	Min. 22 ga., type B, 33 ksi steel	Minimum min 4 mil Kelly Co-2001, Inc. reinforced polyethylene with end and lap seams overlapped min 6 in., and sealed with 2 in. wide pressure sensitive tape. The poly air barrier must be of sufficient size to wrap over the top of the insulation or cover board, a min of 6 in., around the entire perimeter and at penetrations, to be air sealed to the roof cover.	Min. 1.5-inch Polyiso HP-H, InsulBase, HP-N, HP-W, H-Shield, ACFoam II, ACFoam III, H- Shield CG, ENRGY 3, PSI-25, Multi- Max FA-3	Additional layer(s) base insulation and/or min. 0.5-inch Dens Deck, Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Carlisle "Sure- Seal HP Fastener" with "Sure-Seal Insulation Plate"	1 per 2 ft²	Carlisle "Sure- Seal FR Nonreinforced", "Sure-White", "Sure-Tough" or "Sure-Tough FR"	Carlisle "Sure-Seal 90-8-30A Bonding Adhesive", contact application at 1.67 gal/square	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO-2001, INC. published requirements	-45.0
S-4.	Min. 22 ga., type B, 33 ksi steel	Minimum min 4 mil Kelly Co-2001, Inc. reinforced polyethylene with end and lap seams overlapped min 6 in., and sealed with 2 in. wide pressure sensitive tape. The poly air barrier must be of sufficient size to wrap over the top of the insulation or cover board, a min of 6 in., around the entire perimeter and at penetrations, to be air sealed to the roof cover.	Min. 1.5-inch Polyiso HP-H, InsulBase, H- Shield, ACFoam II, SecurShield, H- Shield CG, ENRGY 3	Additional layer(s) base insulation and/or min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	Carlisle "Sure- Seal HP Fastener" with "Sure-Seal Insulation Plate"	1 per 2 ft ²	Carlisle "Sure- Weld" or "Sure- Weld EXTRA"	Carlisle "Sure-Weld Bonding Adhesive", contact application at 1.67 gal/square	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO-2001, INC. published requirements	-45.0



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System	Deck	SYSTEM TYPE C: AIR SEALED DEC	ĺ		TION, BONDED RO	OOF COVE	R, KELLY CO-2001	"EQUALIZER VALVES Roof Cover	5″	MDP
No.	(Note 1)	Air Seal	Base Insulation	Туре	Fasteners	Attach	Туре	Attach	Valve	(psf)
S-5.	Min. 22 ga., type B, 33 ksi steel	Minimum min 4 mil Kelly Co-2001, Inc. reinforced polyethylene with end and lap seams overlapped min 6 in., and sealed with 2 in. wide pressure sensitive tape. The poly air barrier must be of sufficient size to wrap over the top of the insulation or cover board, a min of 6 in., around the entire perimeter and at penetrations, to be air sealed to the roof cover.	(Optional) Min. 1.5-inch ACFoam II or Sarnatherm(a)	Additional layer(s) base insulation and/or min. 0.5-inch Dens Deck Prime or SECUROCK Gypsum-Fiber Roof Board	OMG Heavy Duty with OMG Flat Bottom Metal Plate or Sarnafastener #14 with Sarnaplate	1 per 2 ft²	"KELLY CPA (PVC)" or "2001 CPA (PVC)"	"Sarnacol 2121", wet-lay application at 0.75 to 2.25 gal/sq. or "Sarnacol 2170", contact application at 1.25 gal/sq	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO-2001, INC. published requirements	-45.0
S-6.	Min. 22 ga., type B, 33 ksi steel	Minimum min 4 mil Kelly Co-2001, Inc. reinforced polyethylene with end and lap seams overlapped min 6 in., and sealed with 2 in. wide pressure sensitive tape. The poly air barrier must be of sufficient size to wrap over the top of the insulation or cover board, a min of 6 in., around the entire perimeter and at penetrations, to be air sealed to the roof cover.	Anu UL Classified, FBC Approved polyisocyanurate insulation and/or gypsum-based coverboard	Min. 7/16-inch APA rated OSB	Carlisle "Sure- Seal HP Fastener" with "Sure-Seal Insulation Plate"	1 per 3.2 ft ²	Carlisle "Sure- Seal FR Nonreinforced", "Sure-White", "Sure-Tough" or "Sure-Tough FR"	Carlisle "Sure-Seal 90-8-30A Bonding Adhesive", contact application at 1.67 gal/square	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO-2001, INC. published requirements	-52.5
S-7.	Min. 22 ga., type B, 33 ksi steel	Minimum min 4 mil Kelly Co-2001, Inc. reinforced polyethylene with end and lap seams overlapped min 6 in., and sealed with 2 in. wide pressure sensitive tape. The poly air barrier must be of sufficient size to wrap over the top of the insulation or cover board, a min of 6 in., around the entire perimeter and at penetrations, to be air sealed to the roof cover.	Anu UL Classified, FBC Approved polyisocyanurate insulation and/or gypsum-based coverboard	Min. 7/16-inch APA rated OSB	Carlisle "Sure- Seal HP Fastener" with "Sure-Seal Insulation Plate"	1 per 3.2 ft ²	Carlisle "Sure- Weld" or "Sure- Weld EXTRA"	Carlisle "Sure-Weld Bonding Adhesive", contact application at 1.67 gal/square	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO-2001, INC. published requirements	-52.5



	TABLE 2B: STEEL DECKS - NEW CONSTRUCTION SYSTEM TYPE G: AIR SEALED DECK, SPRAY-APPLIED INSULATION, AIR-SEALED ROOF COVER, KELLY CO-2001 "EQUALIZER VALVES"									
System	Deck	Air Seal	Insulation	Roof Cover						
No.	(Note 1)			Туре	Air Seal	Valve	(psf)			
S-8.	Min. 22 ga., type B, 33 ksi steel	Side-lap and butt seams sealed with two component spray-applied foamed plastic.	FBC Approved, UL Classified two- component spray applied foamed plastic; min 1 in. thick sprayed over 2001 Reinforced Fiberglass Mesh stretched across steel deck	Carlisle "Sure-Seal FR Nonreinforced", "Sure- White", "Sure-Tough", "Sure-Tough FR", "Sure- Weld" or "Sure-Weld EXTRA" or "KELLY CPA (PVC)" or "2001 CPA (PVC)"	The perimeter and penetrations are sealed with a mechanically fastened, picture frame of Kelly Co-2001 Inc. termination bars, consisting of: ✓ 2001 butyl rubber gasket (nominal 5/8" x ¾" cross-section) and termination bars consisting of ½" wide x 6 ft. long extruded aluminum bars. The gasket is centered on the underside of the membrane on the substrate. A termination bar is fastened over the membrane to the deck with 1/4-13 steel screws spaced 7" o.c. through pre-punched holes. or ✓ 2001 butyl rubber gasket (nominal 5/8" x ¾" cross-section) and termination strips consisting of min. 7/16" thick x 6" wide strips of APA rated wood sheeting. The gasket is centered on the underside of the membrane on the substrate. A termination strip is fastened over the membrane to the deck with FBC Approved #14 screws and 3" diameter galvalume metal stress plates spaced 12" o.c.	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO-2001, INC. published requirements	-112.5			



	TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE G: AIR SEALED DECK, OPTIONAL INSULATION, ROOF COVER, KELLY CO-2001 "EQUALIZER VALVES"										
System	Deck	Perimeter Air Seal	Deck Air Seal	Insulation	Roof Cove	r	MDP				
No.	(Note 1)	refilletel All Seal	Deck All Seal	ilisulation	Туре	Valve	(psf)				
C-1	Structural concrete	Minimum 18-inch wide strips min 4 mil reinforced polyethylene or Carlisle "Sure-Seal FR Nonreinforced", "Sure-White", "Sure-Tough", "Sure-Tough FR", "Sure-Weld" or "Sure-Weld EXTRA" or "KELLY CPA (PVC)" or "2001 CPA (PVC)" adhered to the concrete deck at the entire perimeter with KELLY CO-2001, INC. specified adhesive or sealant. Air seal should be bonded so as to permit wrapping over the top of any insulation or barrier board, a min of 6 inches.	Any joints or holes through the roof deck are sealed in accordance with KELLY CO-2001, INC. specifications.	(Optional) Any UL Classified, FBC Approved roof insulation and/or coverboard combination, any thickness, loose-laid with staggered joints	Carlisle "Sure-Seal FR Nonreinforced", "Sure-White", "Sure-Tough", "Sure-Tough FR", "Sure-Weld" or "Sure-Weld EXTRA" or "KELLY CPA (PVC)" or "2001 CPA (PVC)"	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO-2001, INC. published requirements	-75.0				

	TABLE 3B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION or REROOF (TEAR-OFF) SYSTEM TYPE G: DECK WATERPROOFING, AIR SEALED DECK, OPTIONAL INSULATION, ROOF COVER, KELLY CO-2001 "EQUALIZER VALVES"											
System	Deck	Deck Waterproofing	Air Seal	Insulation	Ro	MDP						
No.	(Note 1)	Deck water proofing	All Sedi	ilisulation	Туре	Valve	(psf)					
C-2	Structural concrete	UL Classified roof coating or liquid applied roof system, FBC Approved for use over concrete deck, applied in accordance with the manufacturer's Florida Product Approval or UL Classified, ASTM D6164, polyester reinforced, SBS modified bitumen roof cover, FBC Approved for use over concrete deck, installed in accordance with the manufacturer's Florida Product Approval or UL Classified, spray-applied polyurethane foam roof system, FBC Approved for use over concrete deck, installed in accordance with the manufacturer's Florida Product Approval.	Air Seal: Minimum 18 in. wide strips of Carlisle "Sure-Seal FR Nonreinforced", "Sure-White", "Sure-Tough", "Sure-Tough FR", "Sure-Weld" or "Sure-Weld EXTRA" or "KELLY CPA (PVC)" or "2001 CPA (PVC)", adhered or mechanically terminated to the roof deck, in a bead of air seal caulking or tape, with a continuous series of Kelly Co-2001, Inc. termination bar around the perimeter and penetrations. The air seal strips are extended up through the roof assembly, and are heat-welded to the underside of the roof cover	(Optional) UL Classified, FBC Approved separator mats or slip sheets, or rigid roof insulation, any thickness, adhered, mechanically attached, or loose laid, followed by 0.5-inch thick, UL Classified, FBC Approved gypsum-based roof coverboard, adhered, mechanically attached, or loose laid.	Carlisle "Sure- Seal FR Nonreinforced" , "Sure-White", "Sure-Tough", "Sure-Tough FR", "Sure- Weld" or "Sure- Weld EXTRA" or "KELLY CPA (PVC)" or "2001 CPA (PVC)"	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO-2001, INC. published requirements	-112.5					



TABLE 3C: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE G: AIR SEALED DECK, OPTIONAL VAPOR BARRIER, OPTIONAL INSULATION, ROOF COVER, KELLY CO-2001 "EQUALIZER VALVES" **Roof Cover** Deck System MDP **Deck Air Seal** Vapor Barrier Insulation Coverboard Perimeters & No. (Note 1) Valve (psf) Type Attach Penetrations Perimeter roof deck to Loose laid or adhered in Carlisle "Sure-Finish flashed vertical wall joints, Seal 90-8-30A Bonding Adhesive", contact Kelly Co-2001, through-roof-deck (Optional) Siplast (Optional) UL onto the air application at 1.67 gal/square. Inc. "Equalizer "Paradiene 20 Classified, FBC Carlisle "Suresealed field of penetrations and deck Min. 0.5-inch The membrane is directly terminated Valves" TG", torch-Seal FR the roof joints are air sealed Approved rigid Dens Deck, (secured) to the concrete deck with installed in Structural with Carlisle "Sureapplied followed roof insulation, Nonreinforced". membrane in C-3 SECUROCK KELLY CO-2001, INC. air seal termination accordance -142.5 Tough", or "Sure-Tough concrete by Siplast any thickness. "Sure-White". accordance Glass-Mat techniques using butyl gum tape and with KELLY CO-FR" fully adhered to the "Paradiene 30 FR mechanically "Sure-Tough" or with KELLY CO-**Roof Board** termination bars, or structural "C" 2001, INC. roof deck and flashed TG", torchattached or "Sure-Tough FR" 2001, INC. Channels fastened with FBC Approved published published on to the perimeter and applied loose-laid. concrete fasteners 6-in o.c. at perimeters requirements requirements through deck and all roof penetrations penetrations. Perimeter roof deck to Loose laid or adhered in Carlisle "Surevertical wall joints, Finish flashed Kelly Co-2001, Weld Bonding Adhesive", contact through-roof-deck (Optional) Siplast (Optional) UL onto the air application at 1.67 gal/square. The Inc. "Equalizer penetrations and deck "Paradiene 20 Classified, FBC sealed field of Valves" Min. 0.5-inch membrane is directly terminated ioints are air sealed TG". torch-Approved rigid the roof Dens Deck, Carlisle "Sure-(secured) to the concrete deck with air installed in Structural with Carlisle "Sureapplied followed roof insulation, membrane in C-4 SECUROCK Weld" or "Sureseal termination techniques using butyl accordance -142.5 Weld" or "Sure-Weld by Siplast any thickness. concrete accordance gum tape and termination bars or Glass-Mat Weld EXTRA" with KELLY CO-EXTRA" fully adhered to "Paradiene 30 FR mechanically with KELLY COstructural "C" Channels fastened with **Roof Board** 2001, INC. the roof deck and TG". torchattached or 2001, INC. FBC Approved concrete fasteners 6-in published flashed on to the applied loose-laid. published o.c. at perimeters and all roof requirements perimeter and through requirements penetrations deck penetrations. Perimeter roof deck to Loose laid or adhered in "Sarnacol 2121". vertical wall joints, Finish flashed Kelly Co-2001, wet-lay application at 0.75 to 2.25 gal/sq. or through-roof-deck (Optional) Siplast (Optional) UL onto the air Inc. "Equalizer "Sarnacol 2170", contact application at penetrations and deck "Paradiene 20 Classified, FBC sealed field of Min. 0.5-inch 1.25 gal/sq. The membrane is directly Valves" joints are air sealed TG", torch-Approved rigid the roof Dens Deck. "KELLY CPA terminated (secured) to the concrete installed in Structural with "KELLY CPA (PVC)" applied followed roof insulation, membrane in C-5 SECUROCK (PVC)" or "2001 deck with air seal termination techniques accordance -142.5 concrete or "2001 CPA (PVC)" by Siplast any thickness, accordance Glass-Mat CPA (PVC)" using butyl gum tape and termination with KELLY COfully adhered to the "Paradiene 30 FR mechanically with KELLY CO-**Roof Board** bars or structural "C" Channels fastened 2001, INC. roof deck and flashed TG", torchattached or 2001, INC. with FBC Approved concrete fasteners 6published on to the perimeter and published applied loose-laid. in o.c. at perimeters and all roof requirements through deck requirements penetrations penetrations.



	TABLE 4A: RECOVER APPLICATIONS, CONCRETE DECK SYSTEM TYPE G: AIR SEALED EXISTING ROOF, OPTIONAL INSULATION, ROOF COVER, KELLY CO-2001 "EQUALIZER VALVES"										
System	Substrate	Perimeter Air Seal	Deck Air Seal	Insulation	Roof	Cover	MDP				
No.	(Note 12)	refilleter All Seal	Deck All Seal	ilisulation	Туре	Valve	(psf)				
R-1	Existing UL Classified roof assembly over structural concrete	Minimum 18-inch wide strips min 4 mil reinforced polyethylene or Carlisle "Sure-Seal FR Nonreinforced", "Sure-White", "Sure-Tough", "Sure-Tough FR", "Sure-Weld" or "Sure-Weld EXTRA" or "KELLY CPA (PVC)" or "2001 CPA (PVC)" adhered to the concrete deck at the entire perimeter with KELLY CO-2001, INC. specified adhesive or sealant. Air seal should be bonded so as to permit wrapping over the top of any insulation or barrier board, a min of 6 inches.	Any joints or holes through the existing roof are sealed in accordance with KELLY CO-2001, INC. specifications.	(Optional) Any UL Classified, FBC Approved roof insulation and/or coverboard combination, any thickness, loose-laid with staggered joints	Carlisle "Sure-Seal FR Nonreinforced", "Sure- White", "Sure-Tough", "Sure-Tough FR", "Sure- Weld" or "Sure-Weld EXTRA" or "KELLY CPA (PVC)" or "2001 CPA (PVC)"	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO-2001, INC. published requirements	-75.0				

	TABLE 4B: RECOVER APPLICATIONS, CONCRETE DECK												
		SYST	TEM TYPE G: /	AIR SEALED DECK	, OPTIONAL INS	JLATION, ROOF CO	OVER, KELLY CO-2001 "EQUALIZER VALVES"						
System	Substrate			Insulation		Roof Cover							
No.	(Notes 1 & 12)	Deck Air Seal	Gravel Mat		Coverboard	Туре	Attach	Perimeters & Penetrations	Valve	MDP (psf)			
R-2	Existing UL Classified roof assembly over structural concrete	Perimeter roof deck to vertical wall joints, through-roof-deck penetrations and deck joints are air sealed with Carlisle "Sure-Tough", or "Sure-Tough FR" fully adhered to the roof deck and flashed on to the perimeter and through deck penetrations.	(Optional) Loose laid gravel mat	(Optional) UL Classified, FBC Approved rigid roof insulation, any thickness, mechanically attached or loose-laid.	Min. 0.5-inch Dens Deck, SECUROCK Glass-Mat Roof Board	Carlisle "Sure- Seal FR Nonreinforced", "Sure-White", "Sure-Tough" or "Sure-Tough FR"	Loose laid or adhered in Carlisle "Sure-Seal 90-8-30A Bonding Adhesive", contact application at 1.67 gal/square. The membrane is directly terminated (secured) to the concrete deck with KELLY CO-2001, INC. air seal termination techniques using butyl gum tape and termination bars, or structural "C" Channels fastened with FBC Approved concrete fasteners 6-in o.c. at perimeters and all roof penetrations	Finish flashed onto the air sealed field of the roof membrane in accordance with KELLY CO- 2001, INC. published requirements	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO- 2001, INC. published requirements	-142.5			
R-3	Existing UL Classified roof assembly over structural concrete	Perimeter roof deck to vertical wall joints, through-roof-deck penetrations and deck joints are air sealed with Carlisle "Sure-Weld" or "Sure-Weld EXTRA" fully adhered to the roof deck and flashed on to the perimeter and through deck penetrations.	(Optional) Loose laid gravel mat	(Optional) UL Classified, FBC Approved rigid roof insulation, any thickness, mechanically attached or loose-laid.	Min. 0.5-inch Dens Deck, SECUROCK Glass-Mat Roof Board	Carlisle "Sure- Weld" or "Sure- Weld EXTRA"	Loose laid or adhered in Carlisle "Sure-Weld Bonding Adhesive", contact application at 1.67 gal/square. The membrane is directly terminated (secured) to the concrete deck with air seal termination techniques using butyl gum tape and termination bars or structural "C" Channels fastened with FBC Approved concrete fasteners 6-in o.c. at perimeters and all roof penetrations	Finish flashed onto the air sealed field of the roof membrane in accordance with KELLY CO- 2001, INC. published requirements	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO- 2001, INC. published requirements	-142.5			



TABLE 4B: RECOVER APPLICATIONS, CONCRETE DECK SYSTEM TYPE G: AIR SEALED DECK, OPTIONAL INSULATION, ROOF COVER, KELLY CO-2001 "EQUALIZER VALVES"										
System No.	Substrate (Notes 1 & 12)	Deck Air Seal	Gravel Mat	Insulation	Coverboard	Туре	Roof Cover Attach	Perimeters & Penetrations	Valve	MDP (psf)
R-4	Existing UL Classified roof assembly over structural concrete	Perimeter roof deck to vertical wall joints, through-roof-deck penetrations and deck joints are air sealed with "KELLY CPA (PVC)" or "2001 CPA (PVC)" fully adhered to the roof deck and flashed on to the perimeter and through deck penetrations.	(Optional) Loose laid gravel mat	(Optional) UL Classified, FBC Approved rigid roof insulation, any thickness, mechanically attached or loose-laid.	Min. 0.5-inch Dens Deck, SECUROCK Glass-Mat Roof Board	"KELLY CPA (PVC)" or "2001 CPA (PVC)"	Loose laid or adhered in "Sarnacol 2121", wet- lay application at 0.75 to 2.25 gal/sq. or "Sarnacol 2170", contact application at 1.25 gal/sq. The membrane is directly terminated (secured) to the concrete deck with air seal termination techniques using butyl gum tape and termination bars or structural "C" Channels fastened with FBC Approved concrete fasteners 6-in o.c. at perimeters and all roof penetrations	Finish flashed onto the air sealed field of the roof membrane in accordance with KELLY CO- 2001, INC. published requirements	Kelly Co-2001, Inc. "Equalizer Valves" installed in accordance with KELLY CO- 2001, INC. published requirements	-142.5