



NEMO|etc.

Certificate of Authorization #32455
353 Christian Street, Unit #13
Oxford, CT 06478
(203) 262-9245

ENGINEER

EVALUATE

TEST

CONSULT

EVALUATION REPORT

GenFlex Roofing Systems

200 4th Avenue South
Nashville, TN 37201
(317) 575-7017

Evaluation Report F12790.02.09-R6

FL1064-R10

Date of Issuance: 02/23/2009

Revision 6: 09/24/2020

SCOPE:

This Evaluation Report is issued under **Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been evaluated for compliance with the **7th Edition (2020) Florida Building Code** sections noted herein.

DESCRIPTION: GenFlex EPDM Single Ply Roof Systems

LABELING: Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein.

CONTINUED COMPLIANCE: This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our Evaluation Reports by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its Evaluation Report relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: The Florida Product Approval Number (FL#) preceded by the words "NEMO|etc. Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 4, plus a 17-page Appendix.

Prepared by:

Robert J.M. Nieminen, P.E.

Florida Registration No. 59166, Florida DCA ANE1983



The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 09/24/2020. This does not serve as an electronically signed document.

CERTIFICATION OF INDEPENDENCE:

1. NEMO ETC, LLC does not have, nor does it intend to acquire, or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

ROOFING SYSTEMS EVALUATION:
1. SCOPE:

Product Category: Roofing
Sub-Category: Single Ply Roof Systems

Compliance Statement: Genflex EPDM Single Ply Roof Systems, as produced by GenFlex Roofing Systems, have demonstrated compliance with the following sections of the **7th Edition (2020) Florida Building Code** through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

Section	Property	Standard	Year
1504.3.1	Wind resistance	FM 4474	2011
1504.6	Physical properties	ASTM G155	2013
1504.7	Impact resistance	FM 4470, Section 4.6	2016
1507.13.2	Material standard	ASTM D4637	2014

3. REFERENCES:

Entity	Examination	Reference	Date
ERD (TST 1867)	FM 4470/4474	F12260.02.09-2	02/04/2009
ERD (TST 1867)	FM 4470/4474	F13950.05.10	05/05/2010
ERD (TST1867)	ASTM D4637	F45950.05.14	05/13/2014
ERD (TST1867)	ASTM D4637	F45950.07.14-1	03/30/2015
ERD (TST1867)	ASTM D4637	F45950.03.15-4	04/08/2015
FM Approvals (TST 1867)	FM 4470	1V1A7.AM	06/25/1992
FM Approvals (TST 1867)	FM 4470	1W3A4.AM	12/01/1992
FM Approvals (TST 1867)	FM 4470	1T7A3.AM	01/18/1992
FM Approvals (TST 1867)	FM 4470	1V6A9.AM	02/27/1992
FM Approvals (TST 1867)	FM 4470	2W6A2.AM	06/25/1993
FM Approvals (TST 1867)	FM 4470	2X9A8.AM	06/14/1994
FM Approvals (TST 1867)	FM 4470	3010822	07/31/2002
FM Approvals (TST 1867)	FM 4470	3011282	08/08/2002
FM Approvals (TST 1867)	FM 4470	3014031	07/22/2002
FM Approvals (TST 1867)	FM 4470	3014826	10/07/2002
FM Approvals (TST 1867)	FM 4470	3014874	08/16/2004
FM Approvals (TST 1867)	FM 4470/4474	3014538	05/27/2004
FM Approvals (TST 1867)	FM 4470/4474	3015479	06/04/2004
FM Approvals (TST 1867)	FM 4470/4474	3023430	08/15/2005
FM Approvals (TST 1867)	FM 4470/4474	3031944	08/12/2008
FM Approvals (TST 1867)	FM 4470/4474	3033218	08/12/2008
FM Approvals (TST 1867)	FM 4470/4474	3034561	12/08/2008
FM Approvals (TST 1867)	FM 4470/4474	3033921	01/12/2009
FM Approvals (TST 1867)	FM 4470/4474	3035017	04/15/2009
FM Approvals (TST 1867)	FM 4470/4474	3036256	04/27/2009
FM Approvals (TST 1867)	FM 4470/4474	3038546	12/17/2010
FM Approvals (TST 1867)	FM 4470/4474	3036183	12/23/2010
PRI (TST5878)	ASTM D4637	FBP-384-02-01	06/26/2016
PRI (TST5878)	ASTM D4637	FBP-387-02-01	08/02/2018
UL LLC (QUA9625)	Quality Control	Service Confirmation	08/14/2020

4. PRODUCT DESCRIPTION:

This Evaluation Report covers **GenFlex EPDM Single Ply Roof Systems** installed in accordance with **GenFlex Roofing Systems** published installation instructions and the Limitations / Conditions of Use herein.

TABLE 1: ROLL-GOODS FOR EPDM SINGLE PLY ROOF SYSTEMS

Product	Nominal Thickness (mil)	Material Standard		Plant(s)
		Reference	Type	
GenFlex AFR	45, 60	ASTM D4637	I	Prescott, AR
GenFlex AFR PT	60	ASTM D4637	I	
GenFlex AFR EPDM 90 mil	90	ASTM D4637	I	
GenFlex FlexWhite EPDM	60	ASTM D4637	I	
GenFlex II FRM	45, 60, 75	ASTM D4637	II	
GenFlex II FRM-FR	45, 60	ASTM D4637	II	
GenFlex II FRM PT	45, 60	ASTM D4637	II	

5. LIMITATIONS:

- 5.1 This is a Building Code Evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in FBC High Velocity Hurricane Zone jurisdictions (i.e., Broward and Miami-Dade Counties).
- 5.3 This Evaluation Report 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.
- 5.4 This Evaluation Report does not include evaluation of fire classification. Refer to **FBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 This Evaluation Report does not include evaluation of roof edge termination. Refer to **FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC 1511** for requirements and limitations regarding recover installations.
- 5.6.1 For mechanically attached components over existing roof 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**.
- 5.6.2 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **ANSI/SPRI IA-1, ASTM E907, FM Loss Prevention Data Sheet 1-52** or **Testing Application Standard TAS 124** shall be conducted on mock-ups of the proposed new roof assembly.
- 5.6.3 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **ASTM E907, FM Loss Prevention Data Sheet 1-52** or **Testing Application Standard TAS 124**.
- 5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.
- 5.7.1 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC 1504.9** has already been applied). Refer to **FBC 1609** for determination of design wind loads.

- 5.7.2 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC Chapter 16**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are **ANSI/SPRI WD1**, **FM Loss Prevention Data Sheet 1-29**, **Roofing Application Standard RAS 117** and **Roofing Application Standard RAS 137**. Assemblies marked with an asterisk* carry the limitations set forth in **Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 (February 2020)** for Zone 2/3 enhancements.
- 5.7.3 For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with **FBC Chapter 16**. No rational analysis is permitted for these systems.
- 5.8 All components in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**. Refer to the Product Approval of the component manufacturer for components listed in Appendix 1 that are produced by a Product Manufacturer other than the report holder on Page 1 of this Evaluation Report.

6. INSTALLATION:

GenFlex EPDM Single Ply Roof Systems shall be installed in accordance with **Genflex Roofing Systems** published installation instructions, subject to the Limitations / Conditions of Use noted herein.

7. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction to properly evaluate the installation of this product.

8. MANUFACTURING PLANTS:

Contact the named QA entity for manufacturing facilities covered by **F.A.C. Rule 61G20-3** QA requirements. Refer to Section 4 herein for products and production locations having met codified material standards.

9. QUALITY ASSURANCE ENTITY:

UL, LLC – QUA9625; (414) 248-6409; karen.buchmann@ul.com

- THE 17-PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	3
1B	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Stress Plates)	4
1C	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Battens)	4
2A	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	5
2B	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	5-7
2C	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Stress Plates)	8
2D	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Battens)	8-9
2E	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (RMA Strips)	10
3A	Structural concrete	New, Reroof (Tear-Off)	A-1A	Bonded Insulation, Bonded Roof Cover	11-12
3B	Structural concrete	New, Reroof (Tear-Off)	A-1B	Bonded Temp Roof, Bonded Insulation, Bonded Roof Cover	12
4A	Cementitious wood fiber	Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	13
4B	Cementitious wood fiber	Reroof (Tear-Off)	C-1	Mechanically Attached Insulation, Bonded Roof Cover	13
5A	Gypsum	Reroof (Tear-Off)	A-1A	Bonded Insulation, Bonded Roof Cover	14
5B	Gypsum	Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	14
6A	Various	Recover	A-1A	Bonded Insulation, Bonded Roof Cover	15
6B	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover (Battens)	16
6C	Steel	Recover	D-2	Insulated, Mechanically Attached Roof Cover (RMA Strips)	17

The following notes apply to the systems outlined herein:

- 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.
- Unless otherwise noted, fasteners and stress plates shall be as follows. Fasteners shall be of sufficient length for the following engagements:
 - Wood Deck: GenFast AP Fasteners with GenFast 3” Round Insulation Plates. Minimum ¾-inch plywood penetration or 1-inch wood plank embedment.
 - Steel Deck: GenFast AP Fasteners or GenFast #15(WH) Fasteners with GenFast 3” Round Insulation Plates. Minimum ¾-inch steel penetration, engage the top flute of the steel deck.
 - Structural Concrete: GenFast AP Fasteners, GenFast #15(WH) Fasteners or GenFast Concrete Drive with GenFast 3” Round Insulation Plates. Minimum 1-inch embedment. Fasteners installed with a pilot hole in accordance with the fastener manufacturer’s published installation instructions.
- Unless otherwise noted, insulation may be any one layer or combination of FBC Approved (Local or Statewide) board(s) that meet FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- Minimum 200 psi, minimum 2-inch thick FBC Approved lightweight insulating concrete may be substituted for rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components.
- Preliminary insulation attachment for System Type D: Unless otherwise noted, refer to Section 2.2.10.1.3 of FM Loss Prevention Data Sheet 1-29 (February 2020).
- Unless otherwise noted, insulation adhesive application rates are as follows. Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer’s published instructions.
 - Hot asphalt: Full coverage, 20-40 lbs/square.
 - GenFlex One Step Insulation Adhesive (OSIA): Continuous 0.5 to 0.75-inch ribbons, 12-inch o.c.
 - OMG OlyBond 500 (OB500): Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c. (Note: OlyBond 500 Green may be used where OB500 is referenced.)

- ICP Adhesives Polyset CR-20: Continuous 2.5-3.5-inch wide ribbons, 12-inch o.c.
 - *Note: When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, board joints shall be staggered.*
 - *Note: The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing.*
- 7 Unless otherwise noted, all insulations are flat-stock or taper board of the minimum thickness noted. Tapered polyisocyanurate at the following thickness limitations may be substituted with the following Maximum Design Pressure (MDP) limitations. In no case shall these values be used to 'increase' the MDP listings in the tables; rather if MDP listing below meets or exceeds that listed for a particular system in the tables, then the thinner board listed below may be used as a drop-in for the equivalent thicker material listed in the table.
- GenFlex One Step Insulation Adhesive (OSIA): MDP -157.5 psf (Min. 0.5-inch)
 - OlyBond 500 (OB500): MDP -187.5 psf (Min. 0.5-inch)
 - ICP Adhesives Polyset CR-20: MDP -117.5 psf (Min. 1.0-inch thick)
- 8 For adhered roof insulation and board-size: Unless otherwise noted, refer to Section 2.2.10.6.2 of FM Loss Prevention Data Sheet 1-29 (February 2020).
- 9 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC Chapter 16. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are ANSI/SPRI WD1, FM Loss Prevention Data Sheet 1-29, Roofing Application Standard RAS 117 and Roofing Application Standard RAS 137. Assemblies marked with an asterisk* carry the limitations set forth in Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 (February 2020) for Zone 2/3 enhancements.
- 10 For assemblies with all components fully bonded, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16. No rational analysis is permitted for these systems.
- 11 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 and analysis shall be in accordance with ANSI/SPRI FX-1 or Testing Application Standard TAS 105.
- 12 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance shall be conducted on mock-ups of the proposed new roof assembly. For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing. Field uplift testing shall be in accordance with ASTM E907, FM Loss Prevention Data Sheet 1-52 or Testing Application Standard TAS 124.
- 13 Refer to FBC 1511 for requirements and limitations regarding recover installations. For Structural Concrete Deck or Recover Applications using System Type C-1, C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation (Note 5 herein). The separator component shall be documented as meeting FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.
- 14 Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC Section 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC Product Approval for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC Section 1917.4.1, Point 1. For "pre-existent" LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.
- 15 For single-ply membranes in System Type D-1 steel deck applications, the roof membrane shall be run with its length perpendicular to the steel deck flutes. For bonded membrane applications, unless otherwise noted, refer to the following.

MEMBRANE / ADHESIVE COMBINATIONS			
MEMBRANE	ADHESIVE	METHOD	RATE
EPDM	GenFlex EPDM Bonding Adhesive ("EPDM BA")	Contact Application	60 ft ² /gal
EPDM	GenFlex EPDM Bonding Adhesive (X) ["EPDM BA(X)"]	Contact Application	60 ft ² /gal
EPDM	GenFlex EPDM Bonding Adhesive LVOC ("EPDM BA LVOC")	Contact Application	60 ft ² /gal
EPDM	GenFlex Water Based Bonding Adhesive ("WBBA")	Contact Application	120 ft ² /gal.

- 16 For membrane attachment using batten-strips, batten-strip end laps shall be spliced with sufficient dimension to allow for minimum 2-fasteners at each batten-strip lap. Side laps shall be sealed in accordance with GenFlex requirements.

LAP SEALING METHODS		
MEMBRANE	PRIMER	ADHESIVE
Black, non-“PT” EPDM	GenFlex Cleaner or GenFlex All Purpose LVOC Cleaner	GenSplice
Black, non-“PT” EPDM	GenPrime, GenPrime LVOC, GenFlex Clear Primer, All Purpose LVOC Primer	GenFlex Seam Tape
GenFlex EPDM “PT”	GenPrime, GenPrime LVOC, GenFlex Clear Primer, All-Purpose LVOC Primer	Factory laminated GenFlex Seam Tape
GenFlex FlexWhite EPDM	GenFlex Clear Primer, All-Purpose LVOC Primer	GenFlex White Seam Tape

- 17 “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 loads

TABLE 1A: WOOD DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER								
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER								
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach	Type	Attach	
W-1	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-45.0*
W-2	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch Firestone “FiberTop B or E”	Note 2	1 per 2.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-45.0*
W-3	Min. 15/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 1-inch GenFlex HD ISO	Note 2	1 per 2.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC or WBBA	-45.0*
W-4	Min. ¾-inch plywood or wood plank.	Min. 1.5-inch thick, one or more layers, any combination, loose laid	7/16-inch OSB	Note 2	1 per 2.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC	-45.0*
W-5	Min. ¾-inch plywood or wood plank.	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex HailGard	Note 2	1 per 2.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC	-45.0*
W-6	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 1.8 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC or WBBA	-45.0
W-7	Min. 19/32-inch plywood or wood plank at max. 24-inch spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC or WBBA	-45.0

**TABLE 1B: WOOD DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATES)**

System No.	Deck (Note 1)	Insulation (Note 13)		Roof Cover			MDP (psf)
		Type	Attachment	Membrane	Fasteners (Note 11)	Attachment	
W-8	Min. 3/4-inch plywood or wood plank at max. 24-inch spans	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex II FRM or II FRM-FR	GenFast AP Fasteners or GenFast #15(WH) Fasteners with GenFast 2" Metal Seam Plates	6-inch o.c. within 7-inch wide laps spaced 84-inch o.c.	-45.0
W-9	Min. 3/4-inch plywood or wood plank at max. 24-inch spans	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	Min. 0.060 inch GenFlex II FRM or II FRM-FR	GenFast AP Fasteners or GenFast #15(WH) Fasteners with GenFast Venting Seam Plates	6-inch o.c. within 7-inch wide laps spaced 114-inch o.c.	-45.0

**TABLE 1C: WOOD DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (BATTENS)**

System No.	Deck (Note 1)	Insulation (Note 13)		Roof Cover			MDP (psf)
		Type	Attachment	Membrane	Fasteners (Note 11)	Attachment	
W-10	Min. 3/4-inch plywood or wood plank at max. 24-inch spans	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex AFR 90 mil, II FRM or II FRM-FR	GenFast AP Fasteners or GenFast #15(WH) Fasteners with GenFast Metal Bar Anchor or GenFast 3/4 in. Polymer Batten Strip	6-inch o.c. within 7-inch wide laps spaced 72-inch o.c.	-30.0
W-11	Min. 3/4-inch plywood or wood plank at max. 24-inch spans	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex II FRM or II FRM-FR	GenFast AP Fasteners or GenFast #15(WH) Fasteners with GenFast Metal Bar Anchor or GenFast 3/4 in. Polymer Batten Strip	6-inch o.c. within 7-inch wide laps spaced 84-inch o.c.	-45.0
W-12	Min. 3/4-inch plywood or wood plank at max. 24-inch spans	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex II FRM or II FRM-FR	GenFast AP Fasteners or GenFast #15(WH) Fasteners with GenFast Metal Bar Anchor or GenFast 3/4 in. Polymer Batten Strip	6-inch o.c. within 7-inch wide laps spaced 114-inch o.c.	-45.0

**TABLE 2A: STEEL or STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach	
SC-1.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft ²	Min. 0.25-inch DensDeck or DensDeck Prime	OSIA or OB500	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-45.0*
SC-2.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft ²	Min. 0.5-inch GenFlex HD ISO	OSIA or OB500	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC or WBBA	-45.0*
SC-3.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	Min. 1.5-inch GenFlex ISO	OSIA	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-75.0

**TABLE 2B: STEEL or STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach	Type	Attach	
SC-4.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.1 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	WBBA	-30.0*
SC-5.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 4.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC	-30.0
SC-6.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.7 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC	-30.0
SC-7.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.0-inch GenFlex ISO	Note 2	1 per 2.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC	-30.0
SC-8.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-37.5*
SC-9.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch GenFlex HD ISO	Note 2	1 per 2.7 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	WBBA	-37.5*
SC-10.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-45.0*

**TABLE 2B: STEEL or STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach	Type	Attach	
SC-11.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination, loose laid	Min. 1-inch Firestone "FiberTop E"	Note 2	1 per 2.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC or WBBA	-45.0*
SC-12.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch thick, one or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO	Note 2	1 per 2.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-45.0*
SC-13.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch thick, one or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO, max. 48 x 48 inch	Note 2	1 per 4.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-45.0*
SC-14.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch thick, one or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO, max. 48 x 48 inch.	Note 2	1 per 2.7 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC or WBBA	-45.0*
SC-15.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.8 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC	-45.0*
SC-16.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch GenFlex HD ISO	Note 2	1 per 2.7 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC	-45.0*
SC-17.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	7/16-inch OSB	Note 2	1 per 2.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC	-45.0*
SC-18.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex HailGard	Note 2	1 per 2.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC	-45.0*
SC-19.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 2.7 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC	-45.0
SC-20.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	1.5-inch GenFlex HailGard	Note 2	1 per 2.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-75.0
SC-21.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.3 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-75.0
SC-22.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 5/8-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-82.5

**TABLE 2B: STEEL or STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach	Type	Attach	
SC-23.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO	Note 2	1 per 1.3 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-82.5
SC-24.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2.0-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-82.5
SC-25.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-105.0
SC-26.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 1.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC	-112.5
SC-27.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex HD Composite ISO	Note 2	1 per 1.3 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA(X), EPDM BA LVOC	-112.5
SC-28.	Min. 22 ga. Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 1.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC	-150.0
SC-29.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	7/16-inch OSB	Note 2 (#15 only for steel)	1 per 1.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-150.0
SC-30.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	1.5-inch GenFlex HailGard	Note 2 (#15 only for steel)	1 per 1.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-150.0
SC-31.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	7/16-inch OSB	Note 2 (#15 only for steel)	1 per 1.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-180.0
SC-32.	Min. 22 ga. Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	1.5-inch GenFlex HailGard	Note 2 (#15 only for steel)	1 per 1.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-180.0

**TABLE 2C: STEEL or STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATES)**

System No.	Deck (Note 1)	Insulation (Note 13)		Roof Cover			MDP (psf)
		Type	Attachment	Membrane	Fasteners (Note 11)	Attachment	
SC-33.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex II FRM or II FRM-FR	GenFast AP Fasteners (steel only) or GenFast #15(WH) Fasteners or GenFast Concrete Drive (concrete only) with GenFast Venting Seam Plates	6-inch o.c. within 7-inch wide laps spaced 84-inch o.c.	-52.5
SC-34.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	Min. 0.060 inch GenFlex II FRM or II FRM-FR	GenFast AP Fasteners (steel only) or GenFast #15(WH) Fasteners or GenFast Concrete Drive (concrete only) with GenFast Venting Seam Plates	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c.	-52.5

**TABLE 2D: STEEL or STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (BATTENS)**

System No.	Deck (Note 1)	Insulation (Note 13)		Roof Cover			MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Attachment	
SC-35.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex AFR, AFR PT, AFR 90 mil, II FRM or II FRM-FR	GenFast AP Fasteners (steel only) or GenFast #15(WH) Fasteners or GenFast Concrete Drive (concrete only) with GenFast Metal Bar Anchor or GenFast 3/4 in. Polymer Batten Strip	Fasteners 6-inch o.c. through batten in field of the roof spaced 72-inch o.c. Screw heads topped with fastener sealer. Batten strips sealed with 6-inch cover-strip.	-30.0
SC-36.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex AFR, AFR PT, AFR 90 mil, II FRM or II FRM-FR	GenFast #15(WH) Fasteners or GenFast Concrete Drive (concrete only) with GenFast Coiled Bar Anchor	Fasteners 12-inch o.c. through batten within 7-inch wide laps spaced 84-inch o.c.	-30.0
SC-37.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex AFR, AFR PT, AFR 90 mil, II FRM or II FRM-FR	GenFast AP Fasteners (steel only) or GenFast #15(WH) Fasteners or GenFast Concrete Drive (concrete only) with GenFast Metal Bar Anchor or GenFast 3/4 in. Polymer Batten Strip	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 72-inch o.c.	-30.0
SC-38.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex AFR, AFR PT, AFR 90 mil, II FRM or II FRM-FR	GenFast AP Fasteners (steel only) or GenFast #15(WH) Fasteners or GenFast Concrete Drive (concrete only) with GenFast Metal Bar Anchor	Fasteners 6-inch o.c. through batten within 7-inch wide laps spaced 72-inch o.c.	-45.0
SC-39.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex II FRM, FRM PT or II FRM-FR	GenFast #15(WH) Fasteners or GenFast Concrete Drive (concrete only) with GenFast Polymer Batten Strip	Fasteners 12-inch o.c. through batten within 6-inch wide laps spaced 84-inch o.c.	-52.5
SC-40.	Min. 22 ga, type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex II FRM or II FRM-FR	GenFast AP Fasteners (steel only) or GenFast #15(WH) Fasteners or GenFast Concrete Drive (concrete only) with GenFast 3/4 in. Polymer Batten Strip	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 115-inch o.c.	-52.5

**TABLE 2D: STEEL or STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (BATTENS)**

System No.	Deck (Note 1)	Insulation (Note 13)		Roof Cover			MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Attachment	
SC-41.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex II FRM or II FRM-FR	GenFast #16 MAX Fasteners or GenFast Concrete Drive (concrete only) with GenFast 3/4 in. Polymer Batten Strip	Fasteners 12-inch o.c. through batten in field of the roof spaced 114-inch o.c. Screw heads topped with fastener sealer. Batten strips sealed with 6-inch cover-strip.	-60.0
SC-42.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex II FRM or II FRM-FR	GenFast #16 MAX Fasteners or GenFast Concrete Drive (concrete only) with GenFast 3/4 in. Polymer Batten Strip	Fasteners 12-inch o.c. through batten within 6-inch wide laps spaced 114-inch o.c.	-60.0
SC-43.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex II FRM or II FRM-FR	GenFast #15(WH) Fasteners with GenFast Metal Bar Anchor	Fasteners 12-inch o.c. through batten within 7-inch wide laps spaced 114-inch o.c. and applied in two equally spaced rows in field of the roof cover centered between and parallel with the laps, resulting in battens spaced 38-inch o.c. Field batten strips sealed with 6-inch cover-strip	-82.5
SC-44.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attach	GenFlex AFR, AFR PT, AFR 90 mil, II FRM or II FRM-FR	TruFast HD Fasteners with TruFast BB-18 Batten Bar	Fasteners 6-inch o.c. through batten in field of the roof spaced 24-inch o.c. Screw heads topped with fastener sealer. Batten strips sealed with 6-inch cover-strip.	-82.5

**TABLE 2E: STEEL or STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (RMA Strips)**

System No.	Deck (Note 1)	Insulation (Note 13)		Roof Cover			MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Attachment	
SC-45.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim attach	GenFlex AFR, AFR PT, AFR 90 mil, II FRM or II FRM-FR	GenFast #15(WH) Fasteners or GenFast Concrete Drive (concrete only) with GenFast Metal Bar Anchor or GenFast Coiled Bar Anchor	GenFlex Peel & Stick R.M.A. are applied over the insulation spaced 84-inch o.c. The batten is centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming the membrane underside with GenPrime at the strip location, then rolling into place with a hand roller.	-30.0
SC-46.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim attach	GenFlex AFR, AFR PT, AFR 90 mil, II FRM or II FRM-FR	GenFast #15(WH) Fasteners or GenFast Concrete Drive (concrete only) with GenFast Metal Bar Anchor or GenFast Coiled Bar Anchor	GenFlex Peel & Stick R.M.A. are applied over the insulation spaced 72-inch o.c. The batten is centered over each strip and fastened 12-inch o.c. Roof cover adhered to each strip by first priming the membrane underside with GenPrime at the strip location, then rolling into place with a hand roller.	-37.5
SC-47.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim attach	GenFlex AFR, AFR PT, AFR 90 mil, II FRM or II FRM-FR	GenFlex Peel & Stick R.M.A. with GenFast AP Fasteners (steel only) or GenFast #15(WH) Fasteners with GenFast 3/4 in. Polymer Batten Strip	GenFlex Peel & Stick R.M.A. are applied over the insulation spaced 114-inch o.c. The batten is centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming the membrane underside with GenPrime at the strip location, then rolling into place with a hand roller.	-45.0
SC-48.	Min. 22 ga, type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim attach	GenFlex II FRM, II FRM PT or II FRM-FR	GenFlex Peel & Stick R.M.A. with GenFast #15(WH) Fasteners with GenFast 3/4 in. Polymer Batten Strip	GenFlex Peel & Stick R.M.A. are applied over the insulation spaced 120-inch o.c. The batten is centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming the membrane underside with GenPrime at the strip location, then rolling into place with a hand roller.	-52.5

**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION or REROOF (Tear-Off)
SYSTEM TYPE A-1A: BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Attach	
C-1	Min. 2,500 psi structural concrete	ASTM D41	(Optional) Min. 1.5-inch GenFlex ISO	Hot asphalt	Min. 0.25-inch DensDeck Prime	Hot asphalt	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), or EPDM BA LVOC	-112.5
C-2	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch GenFlex ISO with optional Tapered GenFlex ISO	Hot asphalt	Min. 0.25-inch DensDeck	Hot asphalt	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-165.0
C-3	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch GenFlex ISO	Hot asphalt	(Optional) Tapered GenFlex ISO	Hot asphalt	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-195.0
C-4	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch GenFlex ISO	Hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-247.5
C-5	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch GenFlex ISO	Hot asphalt	(Optional) Min. 0.25-inch DensDeck	Hot asphalt	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-390.0
C-6	Min. 2,500 psi structural concrete	ASTM D41	Min. 0.25-inch DensDeck	Hot asphalt	None	N/A	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-420.0
C-7	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	OSIA	(Optional) Min. 0.25-inch DensDeck	OSIA	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-157.5
C-8	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	OSIA	Min. 0.5-inch GenFlex HD ISO	OSIA	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA LVOC	-202.5
C-9	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	OSIA	Min. 0.5-inch GenFlex HD ISO	OSIA	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC or WBBA	-247.5
C-10	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	OSIA	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OSIA	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-247.5
C-11	Min. 2,500 psi structural concrete	None	Min. 0.5-inch GenFlex HD ISO	OSIA	None	N/A	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC or WBBA	-300.0
C-12	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	OSIA, full coverage	(Optional) Additional layers of base insulation or min. 0.25-inch DensDeck	OSIA, full coverage	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-390.0
C-13	Min. 2,500 psi structural concrete	None	Min. 0.25-inch DensDeck	OSIA, full coverage	None	N/A	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-420.0
C-14	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	OB500	Min. 0.25-inch DensDeck or DensDeck Prime	OB500	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-232.5
C-15	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	OB500	Min. 7/16-inch OSB	OB500	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC	-247.5

TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION or REROOF (Tear-Off)
SYSTEM TYPE A-1A: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Primer	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Attach	
C-16	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-247.5
C-17	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	OB500	Min. 0.5-inch GenFlex HD ISO	OB500	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	WBBA	-277.5
C-18	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	OB500	(Optional) Additional layers of base insulation	OB500	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-270.0
C-19	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	OB500	Min. 0.5-inch GenFlex HD ISO	OB500	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC	-322.5
C-20	Min. 2,500 psi structural concrete	None	Min. 0.5-inch GenFlex HD ISO	OB500, 4" o.c.	None	N/A	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR	EPDM BA, EPDM BA LVOC or WBBA	-360.0
C-21	Min. 2,500 psi structural concrete	None	Min. 0.5-inch GenFlex HD ISO	OB500	None	N/A	GenFlex FlexWhite	EPDM BA, EPDM BA LVOC or WBBA	-405.0
C-22	Min. 2,500 psi structural concrete	None	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	CR-20	None	N/A	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-245.0
C-23	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	CR-20	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	CR-20	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-270.0
C-24	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	CR-20	(Optional) Additional layers of base insulation	CR-20	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-270.0

TABLE 3B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION or REROOF (Tear-Off)
SYSTEM TYPE A-1B: BONDED TEMP ROOF, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Primer	Vapor Barrier / Temporary Roof	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
				Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Attach	
C-25	Min. 2,500 psi structural concrete	ASTM D41	Two plies GenFlex Type IV or VI Ply Felt, adhered in hot asphalt	(Optional) Min. 1.5-inch GenFlex ISO	Hot asphalt	Min. 0.25-inch DensDeck Prime	Hot asphalt	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA or EPDM BA LVOC	-112.5
C-26	Min. 2,500 psi structural concrete	ASTM D41	GenFlex MB Base Sheet, adhered in OSIA	Min. 1.5-inch GenFlex ISO	OSIA	Min. 0.25-inch DensDeck or DensDeck Prime	OSIA	GenFlex AFR, AFR PT, AFR 90 mil, or FlexWhite	EPDM BA, EPDM BA LVOC	-232.5
C-27	Min. 2,500 psi structural concrete	ASTM D41	GenFlex SBS Base Sheet PT or GenFlex SBS Base Sheet GT, torch applied	Min. 1.5-inch GenFlex ISO	OSIA	Min. 0.25-inch DensDeck or DensDeck Prime	OSIA	GenFlex AFR, AFR PT, AFR 90 mil, or FlexWhite	EPDM BA, EPDM BA LVOC	-232.5

TABLE 4A: CEMENTITIOUS WOOD FIBER DECKS - REROOF (Tear-Off)
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Notes 1 & 12)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fasteners (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Attach	
CBF-1.	Existing Tectum	GenFlex MB Base Sheet	Trufast Twin Loc-Nail (Min. 1.8-inch)	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch GenFlex ISO	OB500	(Optional) Min. 0.25-inch DensDeck or DensDeck Prime	OB500	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC or WBBA	-45.0*

TABLE 4B: CEMENTITIOUS WOOD FIBER DECKS - REROOF (Tear-Off) or RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasteners (Note 11)	Attach	Type	Attach	
CBF-2.	Existing Tectum	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex ISO	GenFast GypTec Fastener with GypTec Insulation Plates	1 per 2.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC or WBBA	-45.0*
CBF-3.	Existing Tectum	(Optional) One or more layers, any combination, loose laid	Min. 1-inch Firestone "FiberTop B or E"	GenFast GypTec Fastener with GypTec Insulation Plates	1 per 2.0 ft ²	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC or WBBA	-45.0*

TABLE 5A: GYPSUM DECKS - REROOF (Tear-Off)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Attach	
G-1.	Existing sound gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	OSIA	(Optional) Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	OSIA	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-157.5
G-2.	Existing sound gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	OB500	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch OSB	OB500	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-112.5
G-3.	Existing sound gypsum or gypsum plank	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	CR-20	None	N/A	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-245.0
G-4.	Existing sound gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	CR-20	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch OSB	CR-20	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-257.5

TABLE 5B: GYPSUM DECKS - REROOF (Tear-Off)
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)		MDP (psf)
		Type	Fasteners (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Attach	
G-5.	Existing poured gypsum or gypsum plank	GenFlex MB Base Sheet	Trufast Twin Loc-Nail	9-inch o.c. in the min. 2-inch lap and 18-inch o.c. in two, equally spaced center rows	Min. 1.5-inch GenFlex ISO	OB500	(Optional) Min. 0.25-inch DensDeck or DensDeck Prime	OB500	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC or WBBA	-45.0*

TABLE 6A: RECOVER APPLICATIONS
SYSTEM TYPE A-1A: BONDED INSULATION, BONDED ROOF COVER

System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Attach	
R-1	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch GenFlex ISO	Hot asphalt	(Optional) Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-157.5
R-2	Existing asphaltic BUR or mineral surface cap sheet	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	None	N/A	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-157.5
R-3	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch GenFlex ISO	OSIA	(Optional) Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	OSIA	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-157.5
R-4	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch GenFlex ISO	OSIA	Min. 0.25-inch DensDeck, or DensDeck Prime	OSIA	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-157.5
R-5	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch GenFlex ISO	OSIA	Min. 0.5-inch GenFlex HD ISO	OSIA	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC or WBBA	-157.5
R-6	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch GenFlex ISO	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min 7/16-inch OSB	OB500	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-120.0
R-7	Existing asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch GenFlex ISO	OB500	Min. 0.5-inch GenFlex HD ISO	OB500	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA LVOC or WBBA	-120.0
R-8	Existing asphaltic BUR or mineral surface cap sheet	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	CR-20	None	N/A	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-245.0
R-9	Existing asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch GenFlex ISO	CR-20	(Optional) Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	CR-20	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT, II FRM-FR or FlexWhite	EPDM BA, EPDM BA(X), EPDM BA LVOC	-262.5

TABLE 6B: STEEL - RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (BATTENS)
(All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.)

System No.	Deck (Note 1)	Insulation		Roof Cover			MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Attachment	
R-10	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 72-inch o.c.	One or more layers, any combination	Prelim. attached	GenFlex II FRM, II FRM PT or II FRM-FR	GenFast Purlin Fastener(T) with GenFast 3/4 in. Polymer Batten Strip	6-inch o.c. within 6-inch wide laps spaced max. 72-inch o.c. to engage steel purlin	-30.0
R-11	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 114-inch o.c.	One or more layers, any combination	Prelim. attached	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT or II FRM-FR	GenFast Purlin Fastener(T) with GenFast 3/4 in. Polymer Batten Strip	12-inch o.c. within 6-inch wide laps spaced max. 114-inch o.c. to engage steel purlin.	-30.0
R-12	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 72-inch o.c.	One or more layers, any combination	Prelim. attached	GenFlex AFR, AFR PT, AFR 90-mil, II FRM, II FRM PT or II FRM-FR	GenFast Purlin Fastener(T) with GenFast Coiled Bar Anchor	6-inch o.c. within 6-inch wide laps spaced max. 72-inch o.c. to engage steel purlin.	-45.0
R-13	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 84-inch o.c.	One or more layers, any combination	Prelim. attached	GenFlex II, AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT or II FRM-FR	GenFast Purlin Fastener(T) with GenFast Coiled Bar Anchor	12-inch o.c. within 6-inch wide laps spaced max. 84-inch o.c. to engage steel purlin.	-45.0

TABLE 6C: STEEL - RECOVER

SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED ROOF COVER (RMA Strips)

(All areas where the existing metal panels do not lay flush on the underlying purlin shall have a 0.25-inch diameter pilot hole pre-drilled into the panel prior to driving the Purlin Fastener into the purlin.)

System No.	Deck (Note 1)	Insulation		Roof Cover			MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Attachment	
R-14	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination	Prelim. attached	Min. 60-mil, GenFlex II FRM, II FRM PT or II FRM-FR	GenFast Purlin Fastener(T) and GenFast 2 3/8" WH Seam Plates	GenFlex Peel & Stick R.M.A. are applied over the insulation spaced 60-inch o.c. positioned over each steel purlin location and secured 6-inch o.c. into the purlins. Roof cover adhered to each strip by first priming the membrane underside with GenPrime at the strip location, then rolling into place with a hand roller.	-30.0
R-15	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 84-inch o.c.	One or more layers, any combination	Prelim. attached	GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT or II FRM-FR	GenFast Purlin Fastener(T) with GenFast Coiled Bar Anchor	GenFlex Peel & Stick R.M.A. are applied over the insulation spaced 84-inch o.c. positioned over each steel purlin location and secured 6-inch o.c. into the purlins. Roof cover adhered to each strip by first priming the membrane underside with GenPrime at the strip location, then rolling into place with a hand roller.	-30.0
R-16	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 72-inch o.c.	One or more layers, any combination	Prelim. attached	Min. 60-mil GenFlex AFR, AFR PT, AFR 90 mil, II FRM, II FRM PT or II FRM-FR	GenFast Purlin Fastener(T) with GenFast Coiled Bar Anchor	GenFlex Peel & Stick R.M.A. are applied over the insulation spaced 72-inch o.c. positioned over each steel purlin location and secured 12-inch o.c. into the purlins. Roof cover adhered to each strip by first priming the membrane underside with GenPrime at the strip location, then rolling into place with a hand roller.	-37.5
R-17	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination	Prelim. attached	GenFlex II FRM, II FRM PT or II FRM-FR	GenFast Purlin Fastener(T) with GenFast 3/4 in. Polymer Batten Strip	GenFlex Peel & Stick R.M.A. are applied over the insulation spaced 120-inch o.c. positioned over each steel purlin location and secured 6-inch o.c. into the purlins. Roof cover adhered to each strip by first priming the membrane underside with GenPrime at the strip location, then rolling into place with a hand roller.	-52.5