



NEMO|etc.

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EVALUATION REPORT

GenFlex Roofing Systems

A Division of Firestone Building Products Company, LLC.

200 4th Avenue South

Nashville, TN 37201

(317) 575-7017

Evaluation Report 9545.06.15-1-R1

FL17802-R2

Date of Issuance: 06/15/2015

Revision 1: 09/25/2020

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 EZ TPO 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 3, plus a 44-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 09/25/2020. 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 EZ TPO 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, HVHZ 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
TAS 110	Resistance to Foot Traffic	TAS 114, Section 8.9	2011
TAS 110	Wind resistance	TAS 114, Appendix C, D or J	2011
TAS 110	Susceptibility Hail Damage	TAS 114, Appendix F	2011
TAS 110	Susceptibility to Leakage	TAS 114, Appendix G	2011
TAS 110	Material standard	ASTM D6878	2013
TAS 110	Static puncture resistance	ASTM D5602	2018
TAS 110	Dynamic puncture resistance	ASTM D5635	2018

3. REFERENCES:

Entity	Examination	Reference	Date
NEMO	Evaluation Report	F47310.12.13-2-R3	04/09/2015
FM Approvals (CER1840)	Traceability	Private Label Agreement	06/04/2012
Miami-Dade (CER1592)	Traceability	Private Label Agreement	03/07/2013
UL, LLC (QUA9625)	Quality Control	Service Confirmation	04/10/2020

4. PRODUCT DESCRIPTION:

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

TABLE 1: MEMBRANES FOR TPO SINGLE PLY ROOF SYSTEMS

Product	Nominal Thickness (mil)	Material Standard	Plant(s)
GenFlex EZ TPO	45, 60, 80	ASTM D6878	AL, SC
GenFlex EZ Fleece Backed TPO	45, 60, 80	ASTM D6878	AL
GenFlex EZ TPO Peel and Stick HW	60	ASTM D6878	AL

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 Non-High Velocity Hurricane Zone jurisdictions.
- 5.3 The evaluation herein pertains to above-deck roof components; deck-attachment details pertain to 'as-tested' conditions under **Testing Application Standard TAS 114, Appendix J**. Roof decks shall be in accordance with **FBC HVHZ** requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This Evaluation Report does not include evaluation of fire classification. Refer to **FBC HVHZ 1516** 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 **Roofing Application Standard RAS 111** for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC HVHZ 1521** 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 **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 **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 **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 **Testing Application Standard TAS 114** has already been applied). Refer to **FBC HVHZ 1620** and **Roofing Application Standard RAS 128** for determination of design wind loads.
- 5.7.2 For mechanically attached components, 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 HVHZ 1620** or **Roofing Application Standard RAS 128**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Analysis shall be in accordance with **Roofing Application Standard RAS 117** or **Roofing Application Standard RAS 137**. ****This extrapolation is not permitted for systems marked with an asterisk*.***
- 5.7.3 For assemblies marked with an asterisk*, the maximum design pressure (MDP) limitation shall be applicable to all roof pressure zones. Rational analysis is not permitted.
- 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 EZ TPO 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 44-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	4
1B	Wood	New, Reroof (Tear-Off), Recover	C-2	Plate-Bonded Roof Cover	5
1C	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	5
1D	Wood	New, Reroof (Tear-Off), Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	5
2A	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	6-8
2B	Steel	New, Reroof (Tear-Off), Recover	B-2	Mechanically Attached Base Insulation, Bonded Temp Roof, Bonded Top Insulation, Bonded Roof Cover	9
2C	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	10-13
2D	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	C-2	Plate-Bonded Roof Cover	13-14
2E	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Stress Plates)	15-17
2F	Steel or Structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Battens)	17-19
3A	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	20-25
3B	Structural concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	25
4A	Lightweight concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	26-33
4B	Lightweight concrete	New, Reroof (Tear-Off) or Recover	D-1	Insulated, Mechanically Attached Roof Cover	33
4C	Lightweight concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	34-35
5A	Cementitious wood fiber	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	36
5B	Cementitious wood fiber	Reroof (Tear-Off)	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	36
6A	Gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	37
6B	Gypsum	Reroof (Tear-Off)	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	37
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	38-42
7B	Steel	Recover	C-2	Plate-Bonded Roof Cover	43
7C	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover	43
7D	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover (RMA Strips)	43
7E	Steel	Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	44
7F	Various	Recover	F	Non-Insulated, Bonded Roof Cover	44

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 HVHZ requirements to the satisfaction of the Authority Having Jurisdiction. Deck-attachment details pertain to 'as-tested' conditions under Testing Application Standard TAS 114, Appendix J.
- Unless otherwise noted, fasteners and stress plates shall be as follows. Fasteners shall be of sufficient length for the following engagements:
 - Wood Deck: GenFast #14 or #15(WH) Fasteners with GenFast Insulation Plates or GenFast AP Fasteners with GenFast 3" Round Insulation Fastening Plates. Minimum 1-inch plywood penetration or wood plank embedment.
 - Steel Deck: GenFast #14 or #15(WH) Fasteners with GenFast Insulation Plates or GenFast AP Fasteners with GenFast 3" Round Insulation Fastening Plates. Minimum ¾-inch steel penetration, engage the top flute of the steel deck.
 - Structural Concrete: GenFast #14 or #15(WH) Fasteners with GenFast Insulation Plates or GenFast AP Fasteners or GenFast Concrete Drive Fasteners with GenFast 3" Round Insulation Fastening 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 HVHZ 1516 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.

- 4 If mechanical attachment to the structural deck through lightweight insulating concrete is proposed, field withdrawal resistance testing shall be performed to confirm equivalent or determine enhanced fastening patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117 and/or RAS 137. Calculations shall be prepared, signed and sealed by a qualified design professional.
- 5 Preliminary insulation attachment for System Type D: Minimum four fasteners per 4 x 8 ft board or minimum two fasteners per 4 x 4 ft board.
- 6 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: ➤ GenFlex One Step Insulation Adhesive (G-OSIA): ➤ Firestone I.S.O. FIX II: ➤ Firestone I.S.O. Stick: ➤ ICP Adhesives Polyset CR-20:	- Full coverage, 20-40 lbs/square. - Continuous ¾ to 1-inch beads, 12-inch o.c. - Continuous 0.75-inch beads, 8-inch o.c. - Continuous 0.75 to 1-inch wide ribbons, 12-inch o.c. - Continuous 2.5-3.5-inch wide ribbons, 12-inch o.c.
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 - *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.

<u>Tapered GenFlex ISO:</u>	
➤ Hot asphalt: ➤ GenFlex One Step Insulation Adhesive (G-OSIA): ➤ Firestone I.S.O. FIX II: ➤ Firestone I.S.O. Stick: ➤ ICP Adhesives Polyset CR-20:	- MDP -120.0 psf (Min. 0.5-inch thick) - MDP -157.5 psf (Min. 0.5-inch thick) - MDP -172.5 psf (Min. 0.5-inch thick) - MDP -187.5 psf (Min. 0.5-inch thick) - MDP -117.5 psf (Min. 1.0-inch thick)
<u>Tapered GenFlex Coated Glass Facer:</u>	
➤ GenFlex One Step Insulation Adhesive (G-OSIA), 12-inch o.c.: ➤ GenFlex One Step Insulation Adhesive (G-OSIA), 6-inch o.c.: ➤ Firestone I.S.O. FIX II, 12-inch o.c.: ➤ Firestone I.S.O. FIX II, 6-inch o.c.: ➤ Firestone I.S.O. Stick, 12-inch o.c.: ➤ Firestone I.S.O. Stick, 6-inch o.c.:	- MDP -165.0 psf (Min. 0.5-inch thick) - MDP -405.0 psf (Min. 0.5-inch thick) - MDP -165.0 psf (Min. 0.5-inch thick) - MDP -405.0 psf (Min. 0.5-inch thick) - MDP -165.0 psf (Min. 0.5-inch thick) - MDP -405.0 psf (Min. 0.5-inch thick)
- 8 Bonded polyisocyanurate insulation boards shall be maximum 4 x 4 ft.
- 9 For mechanically attached components, 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 HVHZ 1620 or Roofing Application Standard RAS 128. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria in accordance with Roofing Application Standard RAS 117 or Roofing Application Standard RAS 137. *This extrapolation is not permitted for systems marked with an asterisk*
- 10 For assemblies marked with an asterisk*, 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 in accordance with Testing Application Standard TAS 105. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Should the fastener resistance be less than that required, a revised fastener spacing – prepared, signed and sealed by a qualified design professional in accordance with Roofing Application Standard RAS 117 or Roofing Application Standard RAS 137 – may be submitted to the Building Official for review and acceptance.

- 12 Refer to FBC HVHZ 1521 for requirements and limitations regarding recover installations. 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 in accordance with Testing Application Standard TAS 124.
- 13 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 HVHZ 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 HVHZ 1516 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 FBC HVHZ 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
GenFlex EZ TPO	EZ TPO Bonding Adhesive (EZ-BA)	Contact Application	45 to 60 ft ² /gal
GenFlex EZ TPO	GenFlex Water Based Bonding Adhesive (P) (WBBA-P)	Contact Application	100 to 120 ft ² /gal.
GenFlex EZ TPO	EZ TPO Bonding Adhesive LVOC (LVOC-BA)	Contact Application	45 to 60 ft ² /gal
GenFlex EZ TPO	EZ TPO LVOC Bonding Adhesive 1168 (LVOC-BA-1168)	Contact Application	45 to 60 ft ² /gal
GenFlex EZ Fleece Backed TPO	GenFlex Fleece Backed Bonding Adhesive (EZ-FBBA)	Substrate Application	70 to 90 ft ² /gal
GenFlex EZ Fleece Backed TPO	GenFlex Water Based Bonding Adhesive (P) (WBBA-P)	Substrate Application	100 to 120 ft ² /gal.
GenFlex EZ Fleece Backed TPO	Firestone XR Stick Membrane Adhesive (XR Stick)	Substrate Application	Continuous ¾ to 1-inch wide ribbons

- 16 Vapor barrier options for use over structural concrete deck followed by bonded insulation carry the following MDP limitations. The lesser of the MDP listings below vs. those in Table 3A applies.

VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION PER TABLE 3A:					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE	MDP (PSF)
		TYPE	APPLICATION		
C-VB-1.	ASTM D41	GenFlex MB Base Sheet or Firestone MB Base, SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base, APP 160 COOL or APP 170 COOL	Firestone Multi-Purpose MB Cold Adhesive, 1.5-2.0 gal/sq.	Firestone Multi-Purpose MB Cold Adhesive	-67.5*
C-VB-2.	None	GenFlex MB Base Sheet	Firestone LiquiGard, 1.5-2.0 gal/sq.	Firestone I.S.O. Spray R, 12" o.c.	-240.0*
C-VB-3.	None	GenFlex MB Base Sheet	Firestone LiquiGard, 1.5-2.0 gal/sq.	G-OSIA, 12" o.c.	-240.0*
C-VB-4.	None	Firestone SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	Firestone LiquiGard, 1.5-2.0 gal/sq.	Firestone I.S.O. Spray R, 12" o.c.	-240.0*
C-VB-5.	None	Firestone SBS Base, SBS Base-P, SBS PolyBase, SBS Premium Base, SBS Premium Poly Base	Firestone LiquiGard, 1.5-2.0 gal/sq.	G-OSIA, 12" o.c.	-240.0*
C-VB-6.	ASTM D41	GenFlex MB Base Sheet	G-OSIA, 4" o.c.	G-OSIA, 12-inch o.c.	-232.5*
C-VB-7.	ASTM D41	1 or 2 plies GenFlex Type IV Ply Felt or GenFlex Type VI Ply Felt or 1 ply Firestone MB Base, SBS Base, SBS Polybase or SBS Premium Base	Hot asphalt	Hot asphalt	-120.0*

VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION PER TABLE 3A:					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE	MDP (PSF)
		TYPE	APPLICATION		
C-VB-8.	ASTM D41	1 or 2 plies GenFlex Type IV Ply Felt or GenFlex Type VI Ply Felt or 1 ply Firestone MB Base, SBS Base, SBS Polybase or SBS Premium Base	Hot asphalt	I.S.O. Spray R or G-OSIA, 12" o.c.	-495.0*
C-VB-9.	ASTM D41	GenFlex SBS Base Sheet GT or Firestone SBS Poly Torch Base, SBS Glass Torch Base, SBS Glass Torch Base 1.5, SBS Smooth	Torch-applied	I.S.O. Spray R or G-OSIA, 12" o.c.	-495.0*
C-VB-10.	SA-Solvent Based (SB) Primer	GenFlex Vapor Shield Membrane	Self-adhering	I.S.O. Spray R, 12" o.c.	-255.0*
C-VB-11.	SA-Solvent Based (SB) Primer	GenFlex Vapor Shield Membrane	Self-adhering	I.S.O. Stick, 12" o.c.	-262.5*
C-VB-12.	SA-Solvent Based (SB) Primer	GenFlex Vapor Shield Membrane	Self-adhering	G-OSIA, 12" o.c.	-255.0*

- 17 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.
- 18 For System Type C-2 (induction weld), care shall be taken to ensure that the plates do not line-up with membrane seams. This condition may preclude proper induction welding of the membrane to the plates.
- 19 For System Types B-1, B-2 and C-1 over steel deck, GenFlex Vapor Shield Membrane, self-adhered, may be installed atop the steel roof deck prior to installation of subsequent insulation components.
- 20 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC (HVHZ) 1620 and Roofing Application Standard RAS 128 for determination of design wind loads.

TABLE 1A: WOOD DECKS - NEW CONSTRUCTION OR 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	Fasten (Note 11)	Attach		
W-1.	Min. 19/32-inch plywood or wood plank; 24" span; 8d nails 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex ISO	Note 2	1 per 1.8 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, WBBA, WBBA-P	-45.0
W-2.	Min. 19/32-inch plywood or wood plank; 24" span; 0.113" x 2-3/8" ring shank nails 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 1-inch GenFlex Coated Glass Facer	Note 2	1 per 1.6 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-45.0
W-3.	Min. 19/32-inch plywood or wood plank; 24" span; 8d nails 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, DensDeck or DensDeck Prime	Note 2	1 per 1.6 ft ²	GenFlex EZ TPO / EZ-BA, WBBA, WBBA-P	-45.0
W-4.	Min. 19/32-inch plywood or wood plank; 24" span; 8d nails 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board or DensDeck Prime	Note 2	1 per 1.6 ft ²	GenFlex EZ TPO / LVOC-BA-1168	-45.0
W-5.	Min. 19/32-inch plywood or wood plank; 24" span; 0.113" x 2-3/8" ring shank nails 6" o.c.	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-67.5

TABLE 1B: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 13)	Attach		Roof Cover (Note 18)	MDP (psf)
			Fasten (Note 11)	Density / Pattern		
W-6.	Min. 19/32-inch plywood or wood plank; 24" span; 8d nails 6" o.c.	(Optional) One or more layers, any combination, preliminarily attached	GenFast #15(WH) Fasteners and GenFlex EZ TPO InvisiWeld Plates	Max. 6-inch o.c. in rows max. 72-inch o.c.	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-52.5
W-7.	Min. 19/32-inch plywood or wood plank; 24" span; 8d nails 6" o.c.	(Optional) One or more layers, any combination, preliminarily attached	GenFast #15(WH) Fasteners and GenFlex EZ TPO InvisiWeld Plates	12 parts per 4 x 8 ft board 1 per 2.7 ft ²	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-52.5
W-8.	Min. 19/32-inch plywood or wood plank; 24" span; #8 screws 6" o.c.	(Optional) One or more layers, any combination, preliminarily attached	GenFast #15(WH) Fasteners and GenFlex EZ TPO InvisiWeld Plates	Max. 6-inch o.c. in rows max. 60-inch o.c.	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-82.5

TABLE 1C: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Deck (Note 1)	Insulation (Note 13)		Roof Cover (Note 15)			MDP (psf)
		Type	Attach	Membrane	Fasten (Note 11)	Attach	
W-9.	Min. 19/32-inch plywood or wood plank; 24" span; 8d nails 6" o.c.	Optional min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.5-inch GenFlex HD ISO, min. 1-inch GenFlex Coated Glass Facer or min. 1.5-inch GenFlex HD Composite ISO	Prelim. attached	GenFlex EZ TPO (min. 60-mil)	GenFast HD Fasteners with GenFast HD Seam Plates	5-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
W-10.	Min. 19/32-inch plywood or wood plank; 24" span; 10d nails 4" o.c. at perimeter; 8d nails 6" o.c. in field	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Fasteners with GenFast HD Seam Plates	6-inch o.c. within 6-inch wide laps spaced 90.5-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-60.0

TABLE 1D: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Deck (Note 1)	Roof Cover (Note 15)			MDP (psf)
		Membrane	Fasten (Note 11)	Attach	
W-11.	Min. 19/32-inch plywood or wood plank; 24" span; 8d nails 6" o.c.	GenFlex EZ TPO	GenFast HD Fasteners with GenFast HD Seam Plates	6-inch o.c. within 6-inch wide laps spaced 72-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0

TABLE 2A: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY FASTENED 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)		
GenFlex EZ TPO Systems								
SC-1.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex Coated Glass Facer	Note 2	1 per 2.7 ft²	Optional min. 1.5-inch GenFlex Coated Glass Facer followed by min. 0.5-inch Tapered GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-45.0*
SC-2.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex Coated Glass Facer	Note 2	1 per 4.0 ft²	Optional min. 1.5-inch GenFlex Coated Glass Facer followed by min. 0.5-inch Tapered GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-45.0*
SC-3.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 4.0 ft²	Min. 1.5-inch GenFlex HD Composite ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-45.0*
SC-4.	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 2.7 ft²	Min. 1.5-inch GenFlex HD Composite ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-45.0*
SC-5.	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 ft²	Min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168 , LVOC-BA	-45.0*
SC-6.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 2.0 ft²	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168 , LVOC-BA	-45.0*
SC-7.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.0 ft²	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ TPO / WBBA, WBBA-P-S	-45.0
SC-8.	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 ft²	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA, I.S.O. STICK or Polyset CR-20	GenFlex EZ TPO / EZ-BA	-45.0*
SC-9.	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 ft²	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA, I.S.O. STICK or Polyset CR-20	GenFlex EZ TPO / LVOC-BA-1168	-45.0*
SC-10.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft²	Optional min. 1.5-inch GenFlex Coated Glass Facer followed by min. 0.5-inch Tapered GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-45.0*
SC-11.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	Min. 1.5-inch GenFlex ISO followed by min. 0.5-inch FiberTop C or S	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-45.0*
SC-12.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	Min. 1.5-inch GenFlex ISO followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA, WBBA, WBBA-P-S	-45.0*
SC-13.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 1.6 ft²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. STICK; G-OSIA, 6-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-60.0

TABLE 2A: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY FASTENED 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)		
SC-14.	Min. 22 ga., type B, 50 ksi steel; 6' spans; #12-24 x 1-1/4" HWH screw 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	Note 2	1 per 1.8 ft ²	Min. 1.5-inch GenFlex HD Composite ISO	I.S.O. STICK, 12-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-60.0
SC-15.	Min. 22 ga., type B, 50 ksi steel; 6' spans; 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.8 ft ²	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK, 6-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-67.5
SC-16.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	Note 2	1 per 1.6 ft ²	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-75.0
SC-17.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA, 6-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-82.5
SC-18.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.0 ft ²	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA, 4-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-90.0
SC-19.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.0 ft ²	Min. 1-inch GenFlex ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA, 4-inch o.c.	GenFlex EZ TPO / WBBA, WBBA-P	-105.0
SC-20.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. STICK; G-OSIA, 4-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-105.0
SC-21.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.0 ft ²	Min. 1-inch GenFlex ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA, 4-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-112.5
SC-22.	Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex Coated Glass Facer	Note 2	1 per 1.0 ft ²	Min. 1.5-inch GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-120.0
SC-23.	Min. 22 ga., type B, Grade 80 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.0 ft ²	Min. 1-inch GenFlex ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA, 4-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-127.5
SC-24.	Min. 22 ga., type B, Grade 80 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.0 ft ²	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA, 4-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-135.0

GENFLEX EZ FLEECE BACKED TPO SYSTEMS:

TABLE 2A: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY FASTENED 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)		
SC-25.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	Min. 1.5-inch GenFlex ISO followed by min. 0.5-inch FiberTop C or S or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-45.0*
SC-26.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.25-inch GenFlex ISO	Note 2	1 per 4.0 ft ²	Min. 1.5-inch GenFlex ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
SC-27.	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. 1-inch GenFlex ISO followed by min. 0.5-inch FiberTop C or S wood fiber or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
SC-28.	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	Optional min. 1-inch GenFlex ISO followed by min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
SC-29.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. STICK; G-OSIA, 6-inch o.c.	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-60.0
SC-30.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	Min. 1-inch GenFlex ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA, 6-inch o.c.	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-82.5
SC-31.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.6 ft ²	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA, 6-inch o.c.	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-82.5
SC-32.	Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 2-inch GenFlex ISO	Note 2	1 per 1.0 ft ²	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. STICK; G-OSIA, 4-inch o.c.	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c.	-127.5

TABLE 2B: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-2: MECHANICALLY FASTENED BASE INSULATION, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Base Insulation Layer			Temp Roof	Insulation		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach		Type	Attach (Notes 6,7,8)		
GENFLEX EZ TPO SYSTEMS									
SC-33.	Min. 22 ga., type B, Grade 33 steel	Min. 0.75-inch FM Approved perlite	Note 2	1 per 2.0 ft²	Two plies GenFlex Type IV or Type VI in hot asphalt	Min. 1.5-inch GenFlex ISO followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt or I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA, WBBA, WBBA-P	-45.0*
SC-34.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft²	GenFlex SB Primer; GenFlex Vapor Shield, self-adhered	One or more layers min. 1.5-inch GenFlex ISO, optional min. 0.5-inch Tapered GenFlex ISO	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA, WBBA, WBBA-P	-45.0*
SC-35.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft²	GenFlex SB Primer; GenFlex Vapor Shield, self-adhered	One or more layers min. 1.5-inch GenFlex ISO, optional min. 0.5-inch Tapered GenFlex ISO; Min. 0.5-inch FiberTop C or S or GenFlex HD ISO or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board; or Min. 19/32-inch plywood	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA, WBBA, WBBA-P	-45.0*
SC-36.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft²	GenFlex SB Primer; GenFlex Vapor Shield, self-adhered	One or more layers min. 1.5-inch GenFlex ISO, optional min. 0.5-inch Tapered GenFlex ISO; Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA, WBBA, WBBA-P	-45.0*
GENFLEX EZ FLEECE BACKED TPO SYSTEMS									
SC-37.	Min. 22 ga., type B, Grade 33 steel	Min. 0.25-inch DensDeck or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft²	GenFlex SB Primer; GenFlex Vapor Shield, self-adhered	One or more layers min. 1.5-inch GenFlex ISO, optional min. 0.5-inch Tapered GenFlex ISO; Min. 0.5-inch FiberTop C or S or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-45.0*

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR 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	Fasten (Note 11)	Attach		
GENFLEX EZ TPO SYSTEMS							
SC-38.	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 ft²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-45.0*
SC-39.	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. 1.25-inch GenFlex ISO	Note 2	1 per 2.7 ft²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA, WBBA, WBBA-P	-45.0*
SC-40.	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 2.0 ft²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-45.0*
SC-41.	Min. 22 ga., type B, 50 ksi steel; 6' spans; 5/8" puddle welds 6" o.c. 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 ft²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-45.0
SC-42.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 ft²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-45.0
SC-43.	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 Coated Glass Facer	Note 2	1 per 2.7 ft²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA, WBBA, WBBA-P	-45.0*
SC-44.	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-inch GenFlex Coated Glass Facer	Note 2	1 per 2.0 ft²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA, WBBA, WBBA-P	-45.0*
SC-45.	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 HD Composite ISO	Note 2	1 per 4.0 ft²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA, WBBA, WBBA-P	-45.0*
SC-46.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 ft²	GenFlex EZ TPO / WBBA, WBBA-P	-45.0
SC-47.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch GenFlex HD ISO	Note 2	1 per 2.7 ft²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-45.0*
SC-48.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 1.3 ft²	GenFlex EZ TPO / WBBA, WBBA-P	-45.0
SC-49.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for Recover) Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Note 2	1 per 2.7 ft²	GenFlex EZ TPO / EZ-BA, LVOC-BA, WBBA-S	-45.0*
SC-50.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA, WBBA, WBBA-P	-45.0*
SC-51.	Min. 22 ga., type B, 50 ksi steel; 6' spans; 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-45.0
SC-52.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	GenFast HailGard Fastener	1 per 2.7 ft²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-45.0

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR 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	Fasten (Note 11)	Attach		
SC-53.	Min. 22 ga., type B, 50 ksi steel; 6' spans; #12-24 x 1-1/4" HWH screw 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch GenFlex Coated Glass Facer	Note 2	1 per 1.6 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-52.5
SC-54.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	GenFast HailGard Fastener	1 per 1.6 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-52.5
SC-55.	Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" puddle weld 6" o.c. 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 1.8 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-60.0
SC-56.	Min. 22 ga., type B, 50 ksi steel; 6' spans; #12-24 x 1-1/4" HWH screw 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-60.0
SC-57.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 1.3 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-60.0
SC-58.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch GenFlex HD Composite ISO	Note 2	1 per 1.3 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-60.0
SC-59.	Min. 22 ga., type B, Grade 33; 6' spans; Traxx/5 screw 6" o.c. 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 or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-75.0
SC-60.	Min. 22 ga., type B, Grade 33; 6' spans; Traxx/5 screw 6" o.c. steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	GenFast 3" Round Insulation Plates GenFast HD Fasteners or GenFast Concrete Drive (concrete only)	1 per 2.0 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-75.0
SC-61.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 1.6 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-75.0
SC-62.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch GenFlex Coated Glass Facer	Note 2	1 per 1.6 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-75.0
SC-63.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex Coated Glass Facer	Note 2	1 per 1.0 ft ²	GenFlex EZ TPO / WBBA, WBBA-P	-75.0
SC-64.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex Coated Glass Facer	Note 2	1 per 1.6 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-82.5
SC-65.	Min. 22 ga., type B, 60 ksi steel; 6' spans; 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft ²	GenFlex EZ TPO / EZ-BA	-82.5

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR 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	Fasten (Note 11)	Attach		
SC-66.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 1.3 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-90.0
SC-67.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex Coated Glass Facer	Note 2	1 per 1.3 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-105.0
SC-68.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-105.0
SC-69.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 1.0 ft ²	GenFlex EZ TPO / EZ-BA	-112.5
SC-70.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex Coated Glass Facer	Note 2	1 per 1.0 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-112.5
SC-71.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-112.5
SC-72.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 1.0 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-112.5
SC-73.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex HD Composite ISO	Note 2	1 per 1.3 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-120.0
SC-74.	Min. 22 ga., type B, Grade 80 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. 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 1.0 ft ²	GenFlex EZ TPO / EZ-BA	-150.0
SC-75.	Min. 22 ga., type B, Grade 80 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch GenFlex Coated Glass Facer	Note 2	1 per 1.0 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-150.0
SC-76.	Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 19/32-inch plywood	GenFast 3" Round Insulation Plates GenFast HD Fasteners or GenFast Concrete Drive (concrete only)	1 per 1.0 ft ²	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-150.0
GENFLEX EZ FLEECE BACKED TPO SYSTEMS							
SC-77.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft ²	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-45.0*
SC-78.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch FiberTop C or S wood fiber	Note 2	1 per 2.0 ft ²	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-45.0*

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR 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	Fasten (Note 11)	Attach		
SC-79.	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 2.0 ft ²	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
SC-80.	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. 2.25-inch GenFlex ISO	Note 2	1 per 4.0 ft ²	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
SC-81.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 19/32-inch plywood	Note 2	1 per 2.0 ft ²	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
SC-82.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid (optional for recover)	Min. 0.5-inch GenFlex HD ISO	Note 2	1 per 2.1 ft ²	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
SC-83.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.5-inch GenFlex HD ISO	Note 2	1 per 2.0 ft ²	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c.	-45.0*
SC-84.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. 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 1.6 ft ²	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-82.5
SC-85.	Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. 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 1.0 ft ²	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c.	-142.5

TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER

System No.	Deck (Note 1)	Vapor & Air Barrier	Insulation (Note 13)	Attach		Roof Cover (Note 18)	MDP (psf)
				Fasten (Note 11)	Density / Pattern		
SC-86.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	None	One or more layers, any combination, preliminarily attached	GenFast #15(WH) Fasteners or GenFast Concrete Drive (concrete only) and GenFlex EZ TPO InvisiWeld Plates	Max. 12-inch o.c. in rows max. 60-inch o.c.	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-45.0
SC-87.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	None	One or more layers, any combination, preliminarily attached	GenFast #15(WH) Fasteners or GenFast Concrete Drive (concrete only) and GenFlex EZ TPO InvisiWeld Plates	Max. 6-inch o.c. in rows max. 60-inch o.c.	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-82.5
SC-88.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	None	One or more layers, any combination	GenFast #15(WH) Fasteners and GenFlex EZ TPO InvisiWeld Plates	1 per 5.3 ft ² (6 parts per 4x8 ft board) Per FM LPDS 1-29 / RAS 117	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-45.0*

TABLE 2D: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER

System No.	Deck (Note 1)	Vapor & Air Barrier	Insulation (Note 13)	Attach		Roof Cover (Note 18)	MDP (psf)
				Fasten (Note 11)	Density / Pattern		
SC-89.	Min. 22 ga., type B, 50 ksi steel; 6' spans; #12-24 x 1-1/4" HWH screw 6" o.c. or min. 2,500 psi structural concrete	GenFlex Vapor Shield with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 2.5-inch GenFlex ISO, GenFlex Coated Glass Facer or GenFlex HD Composite ISO	GenFast #15(WH) Fasteners and GenFlex EZ TPO InvisiWeld Plates	1 per 4.0 ft ² (8 parts per 4x8 ft board) in a 24 x 24-inch grid	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-52.5
SC-90.	Min. 22 ga., type B, 50 ksi steel; 6' spans; #12-24 x 1-1/4" HWH screw 6" o.c. or min. 2,500 psi structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board followed by GenFlex Vapor Shield with min. 3-inch side laps self-adhered	Min. 2.5-inch GenFlex ISO, GenFlex Coated Glass Facer or GenFlex HD Composite ISO	GenFast #15(WH) Fasteners and GenFlex EZ TPO InvisiWeld Plates	1 per 4.0 ft ² (8 parts per 4x8 ft board) in a 24 x 24-inch grid	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-52.5
SC-91.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	None	One or more layers, any combination	GenFast #15(WH) Fasteners and GenFlex EZ TPO InvisiWeld Plates	1 per 4.0 ft ² (8 parts per 4x8 ft board) Per FM LPDS 1-29 / RAS 117	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-60.0
SC-92.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or min. 2,500 psi structural concrete	None	One or more layers, any combination	GenFast #15(WH) Fasteners with alternating Rows of: 1.) GenFlex EZ TPO InvisiWeld Plates 2.) GenFast 3" Round Insulation Plates	1 per 2.0 ft ² (16 parts per 4x8 ft board) in a 12 x 24-inch grid	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-67.5
SC-93.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screws 6" o.c., or Min. 22 ga., type B, 60 ksi steel; 6' spans; 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete	None	One or more layers, any combination	GenFast #15(WH) Fasteners and GenFlex EZ TPO InvisiWeld Plates	1 per 2.7 ft ² (12 parts per 4x8 ft board) Per FM LPDS 1-29 / RAS 117	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-75.0
SC-94.	Min. 22 ga., type B, Grade 33 steel; 6' spans; two (2) Traxx/5 screws 6" o.c. or min. 2,500 psi structural concrete	None	One or more layers, any combination	GenFast #15(WH) Fasteners and GenFlex EZ TPO InvisiWeld Plates	1 per 2.0 ft ² (16 parts per 4x8 ft board) Per FM LPDS 1-29 / RAS 117	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-105.0

TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATES)

System No.	Deck (Note 1)	Vapor & Air Barrier	Insulation (Note 13)		Roof Cover (Note 15)			MDP (psf)
			Type	Attach	Membrane	Fasten (Note 11)	Attach	
SC-95.	Min. 22 ga., type B, Grade 33 steel ; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Fasteners or GenFast Concrete Drive (concrete only) with GenFast HD Seam Plates	12-inch o.c. within 6-inch wide laps spaced 72-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
SC-96.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO or TPO XR	GenFast HD Plus Fasteners (steel only) or GenFast Concrete Drive (concrete only) with GenFast HD Plus Seam Plates	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
SC-97.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) or GenFast Concrete Drive (concrete only) with GenFast HD Plus Seam Plates	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-45.0
SC-98.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Fasteners or GenFast Concrete Drive (concrete only) with GenFast HD Seam Plates	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
SC-99.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or Min. 22 ga., type B, 60 ksi steel; 6' spans; 5/8" puddle welds 6" o.c. min. 2,500 psi structural concrete	None	Min. 1-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) or GenFast Concrete Drive (concrete only) with GenFast HD Plus Seam Plates	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
SC-100.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Fasteners or GenFast Concrete Drive (concrete only) with GenFast HD Seam Plates	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-45.0
SC-101.	Min. 22 ga., type B, 60 ksi steel; 6' spans; #12-24 x 1-1/4" HWH screw 6" o.c.	GenFlex Vapor Shield with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 0.5-inch GenFlex ISO , GenFlex Coated Glass Facer or GenFlex HD ISO	Note 2 (HD only) 1 per 8 ft ² 24x72-inch grid	GenFlex EZ TPO	GenFast HD Fasteners with GenFast HD Seam Plates	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
SC-102.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Fasteners or GenFast Concrete Drive (concrete only) with GenFast HD Seam Plates	6-inch o.c. within 6-inch wide laps spaced 72-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5

TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATES)

System No.	Deck (Note 1)	Vapor & Air Barrier	Insulation (Note 13)		Roof Cover (Note 15)			MDP (psf)
			Type	Attach	Membrane	Fasten (Note 11)	Attach	
SC-103.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO or EZ Fleece Backed TPO	GenFast HD Fasteners or GenFast Concrete Drive (concrete only) with GenFast HD Seam Plates	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5
SC-104.	Min. 22 ga., type B, 50 ksi steel; 6' spans; #12-24 x 1-1/4" HWH screw 6" o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board followed by GenFlex Vapor Shield with min. 3-inch side laps self-adhered	Min. 3-inch GenFlex ISO or GenFlex Coated Glass Facer	Note 2 (HD only) 1 per 4.0 ft ² 24x24-inch grid	GenFlex EZ TPO	GenFast HD Fasteners with GenFast HD Seam Plates	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5
SC-105.	Min. 22 ga., type B, 60 ksi steel; 6' spans; #12-24 x 1-1/4" HWH screw 6" o.c.	GenFlex Vapor Shield with min. 3-inch side laps self-adhered to top flanges of steel deck	Min. 0.5-inch GenFlex ISO, GenFlex Coated Glass Facer or GenFlex HD ISO	Note 2 (HD only) 1 per 5.3 ft ² 24x36-inch grid, 12-inch from board edges	GenFlex EZ TPO	GenFast HD Fasteners with GenFast HD Seam Plates	12-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5
SC-106.	Min. 22 ga., type B, Grade 80 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	Loose Laid	GenFlex EZ TPO	GenFast HD Fasteners or GenFast Concrete Drive (concrete only) with GenFast HD Seam Plates	6-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-52.5
SC-107.	Min. 22 ga., type B, 50 ksi steel; 6' spans; 5/8" puddle welds 6" o.c.	None	Min. 0.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Fasteners with GenFast HD Seam Plates	6-inch o.c. within 7-inch wide laps spaced 89-inch o.c. Laps sealed with 1.5-inch heat weld.	-60.0
SC-108.	Min. 22 ga., type B, Grade 33 steel; 6' spans; 5/8" puddle weld 6" o.c. min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO (min. 60-mil)	GenFast HD Fasteners or GenFast Concrete Drive (concrete only) with GenFast HD Seam Plates	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-60.0
SC-109.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) or GenFast Concrete Drive (concrete only) with GenFast HD Plus Seam Plates	6-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-60.0
SC-110.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. or Min. 22 ga., type B, 60 ksi steel; 6' spans; 5/8" puddle welds 6" o.c. min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO or EZ Fleece Backed TPO	GenFast HD Plus Fasteners (steel only) or GenFast Concrete Drive (concrete only) with GenFast HD Plus Seam Plates	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-67.5
SC-111.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) or GenFast Concrete Drive (concrete only) with GenFast HD Plus Seam Plates	6-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-82.5

TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (STRESS PLATES)

System No.	Deck (Note 1)	Vapor & Air Barrier	Insulation (Note 13)		Roof Cover (Note 15)			MDP (psf)
			Type	Attach	Membrane	Fasten (Note 11)	Attach	
SC-112.	Min. 22 ga., type B, 60 ksi steel; 6' spans; #12-24 x 1-1/4" HWH screw 6" o.c.	Two (2) layers, GenFlex Vapor Shield with min. 3-inch side laps self-adhered	Min. 3-inch GenFlex ISO, GenFlex Coated Glass Facer or GenFlex HD Composite ISO	Note 2 (HD only) 1 per 5.3 ft ² 24x36-inch grid, 12-inch from board edges	GenFlex EZ TPO	GenFast HD Fasteners with GenFast HD Seam Plates	12-inch o.c. within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 1.5-inch heat weld.	-82.5
SC-113.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	None	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) or GenFast Concrete Drive (concrete only) with GenFast HD Plus Seam Plates	6-inch o.c. within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates plates.	-90.0

TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR 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 (Notes 15 & 17)			MDP (psf)
		Type	Attach	Membrane	Fasten (Note 11)	Attach	
SC-114.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) or GenFast Concrete Drive (concrete only) with GenFast Polymer Batten Strip	Fasteners 12-inch o.c. through batten within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-45.0
SC-115.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) or GenFast Concrete Drive (concrete only) with GenFast Coiled Bar Anchor	Fasteners 12-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-45.0
SC-116.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	Firestone UltraPly QuickSeam R.M.A. Strips with GenFast HD Fasteners with GenFast Coiled Bar Anchor	Firestone UltraPly QuickSeam R.M.A. Strips 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 with Firestone UltraPly TPO QuickPrime at the strip location, then rolling into place with a hand roller.	-45.0
SC-117.	Min. 22 ga., type B, Grade 80 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Loose Laid	GenFlex EZ TPO	GenFast HD Fasteners with GenFast Coiled Bar Anchor	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-52.5
SC-118.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Fasteners or GenFast Concrete Drive (concrete only) with GenFlex Bar Anchor or GenFast Coiled Bar Anchor	Fasteners 6-inch o.c. through batten in field of the roof spaced 144-inch o.c. Battens sealed with 5-inch wide cover strip, with 1.5-inch heat weld on each side of the strip.	-60.0

TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR 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 (Notes 15 & 17)			MDP (psf)
		Type	Attach	Membrane	Fasten (Note 11)	Attach	
SC-119.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Fasteners or GenFast Concrete Drive (concrete only) with GenFast Polymer Batten Strips	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-60.0
SC-120.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) with GenFast Coiled Bar Anchor	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-60.0
SC-121.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Fasteners or GenFast Concrete Drive (concrete only) with GenFast Coiled Bar Anchor or GenFast Polymer Batten Strip	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-67.5
SC-122.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) with GenFast Coiled Bar Anchor	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-67.5
SC-123.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Fasteners or GenFast Concrete Drive (concrete only) with GenFlex Bar Anchor or GenFast Coiled Bar Anchor or GenFast HD Plus Fasteners (steel only) or GenFast Concrete Drive (concrete only) with GenFast Polymer Batten Strip	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-75.0
SC-124.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) or GenFast Concrete Drive (concrete only) with GenFlex Bar Anchor or GenFast Coiled Bar Anchor	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-82.5
SC-125.	Min. 22 ga., type B, Grade 80 steel; 6' spans; Traxx/5 screw 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination	Loose Laid	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) with GenFast ¾ in. Polymer Batten Strips	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 68-inch o.c. Laps sealed with 5-inch heat weld that encapsulates battens.	-82.5
SC-126.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Fasteners with GenFast Coiled Bar Anchor	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-90.0
SC-127.	Min. 22 ga., type B, Grade 80 steel or min. 20 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) or GenFast Concrete Drive (concrete only) with GenFlex Bar Anchor or GenFast Coiled Bar Anchor	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 90-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-97.5
SC-128.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c. min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) or GenFast Concrete Drive (concrete only) with GenFast Coiled Bar Anchor	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 54-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-112.5

TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR 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 (Notes 15 & 17)			MDP (psf)
		Type	Attach	Membrane	Fasten (Note 11)	Attach	
SC-129.	Min. 22 ga., type B, Grade 33 steel; 6' spans; Traxx/5 screw 6" o.c.	Min. 0.5-inch DensDeck, DensDeck Prime or SECURÖCK Gypsum-Fiber Roof Board loose laid over min. 1.5-inch thick, one or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) with GenFast Coiled Bar Anchor	Fasteners 6-inch o.c. through batten within 6-inch wide laps spaced 54-inch o.c. Laps sealed with 5-inch heat weld that encapsulates batten.	-112.5
SC-130.	Min. 22 ga., type B, Grade 80 steel; 6' spans; Traxx/5 screw 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination	Loose Laid	GenFlex EZ TPO	GenFast HD Plus Fasteners (steel only) with GenFast ¾ in. Polymer Batten Strips	Lap Row: Fasteners 6-inch o.c. through battens within 6-inch wide laps spaced 142-inch o.c. Laps sealed with 5-inch heat weld that encapsulates the batten. Field Row: Fasteners 6-inch o.c. through battens in one intermediate row between laps. Batten strips covered with 5-inch wide GenFlex EZ TPO strips sealed on both sides with 1.5-inch heat weld.	-135.0

TABLE 3A: CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS.

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)		
GenFlex EZ TPO Systems								
C-1	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch GenFlex ISO with optional Tapered GenFlex ISO	Hot Asphalt	Min. 0.5-inch Firestone FiberTop	Hot Asphalt	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-135.0*
C-2	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	Hot Asphalt	(Optional) Tapered GenFlex ISO	Hot asphalt	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-180.0*
C-3	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, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	GenFlex EZ TPO / EZ-BA	-195.0*
C-4	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 Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	GenFlex EZ TPO / LVOC-BA-1168	-195.0*
C-5	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layers of base insulation	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-165.0*
C-6	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA, 8-inch o.c.	(Optional) Additional layers of base insulation	G-OSIA, 8-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-240.0*
C-7	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	G-OSIA, 4-inch o.c.	(Optional) Additional layers of base insulation	G-OSIA, 4-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-285.0*
C-8	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layers of base insulation	G-OSIA	GenFlex EZ TPO / WBBA, WBBA-P	-165.0*
C-9	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	G-OSIA, 8-inch o.c.	(Optional) Additional layers of base insulation	G-OSIA, 8-inch o.c.	GenFlex EZ TPO / WBBA, WBBA-P	-240.0*
C-10	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	G-OSIA, 6-inch o.c.	(Optional) Additional layers of base insulation	G-OSIA, 6-inch o.c.	GenFlex EZ TPO / WBBA, WBBA-P	-247.5*
C-11	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	G-OSIA, 6-inch o.c.	(Optional) Additional layers of base insulation	G-OSIA, 6-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-360.0*
C-12	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex Coated Glass Facer	G-OSIA	Min. 1-inch GenFlex Coated Glass Facer	G-OSIA	GenFlex EZ TPO / LVOC-BA-1168	-450.0*
C-13	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.5-inch FiberTop C or S	G-OSIA	GenFlex EZ TPO / LVOC-BA-1168	-210.0*
C-14	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-127.5*
C-15	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ TPO / EZ-BA	-157.5*

TABLE 3A: CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS.

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)		
C-16	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	G-OSIA, 8-inch o.c.	Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board	G-OSIA, 8-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-187.5*
C-17	Min. 2,500 psi structural concrete	None	Two layers min. 1.5-inch GenFlex ISO	G-OSIA, 8-inch o.c.	Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board	G-OSIA, 8-inch o.c.	GenFlex EZ TPO / EZ-BA	-195.0*
C-18	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	G-OSIA	Optional additional layers of base insulation or min. 1-inch GenFlex ISO or 0.5-inch Tapered GenFlex ISO; Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ TPO / WBBA-S	-240.0*
C-19	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	G-OSIA, 4-inch o.c.	Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board	G-OSIA, 4-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-247.5*
C-20	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ TPO / LVOC-BA-1168	-262.5*
C-21	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ TPO / WBBA, WBBA-P	-222.5*
C-22	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-247.5*
C-23	Min. 2,500 psi structural concrete	None	Min. 0.5-inch GenFlex HD ISO	G-OSIA	None	N/A	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, WBBA, WBBA-P	-300.0*
C-24	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	Polyset CR-20	(Optional) Additional layers base insulation	Polyset CR-20	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-270.0*
C-25	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	Polyset CR-20	Min. 0.25-inch DensDeck or SECURROCK Gypsum-Fiber Roof Board	Polyset CR-20	GenFlex EZ TPO / EZ-BA	-195.0*
C-26	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	Polyset CR-20	Min. 0.25-inch DensDeck Prime or SECURROCK Gypsum-Fiber Roof Board	Polyset CR-20	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-240.0*
C-27	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	(Optional) Additional layers of base insulation	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-150.0*
C-28	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	I.S.O. STICK	(Optional) Additional layers of base insulation	I.S.O. STICK	GenFlex EZ TPO / WBBA, WBBA-P	-150.0*
C-29	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	I.S.O. STICK, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. STICK, 6-inch o.c.	GenFlex EZ TPO / WBBA, WBBA-P	-247.5*
C-30	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	I.S.O. STICK	(Optional) Additional layers of base insulation	I.S.O. STICK	GenFlex EZ TPO / EZ-BA	-270.0*
C-31	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	I.S.O. STICK, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. STICK, 6-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-360.0*
C-32	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex Coated Glass Facer	I.S.O. STICK	Min. 1-inch GenFlex Coated Glass Facer	I.S.O. STICK	GenFlex EZ TPO / LVOC-BA-1168	-450.0*

TABLE 3A: CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS.

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)		
C-33	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch GenFlex ISO	I.S.O. STICK	Min. 0.5-inch FiberTop C or S	I.S.O. STICK	GenFlex EZ TPO / LVOC-BA-1168	-210.0*
C-34	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	I.S.O. STICK	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / EZ-BA	-150.0*
C-35	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	I.S.O. STICK	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / LVOC-BA-1168	-150.0*
C-36	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	I.S.O. STICK	Optional additional layers of base insulation or min. 1-inch GenFlex ISO or 0.5-inch Tapered GenFlex ISO; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / WBBA-S	-240.0*
C-37	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch GenFlex ISO	I.S.O. STICK	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / LVOC-BA-1168	-262.5*
C-38	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO	I.S.O. STICK	Min. 0.5-inch GenFlex HD ISO	I.S.O. STICK	GenFlex EZ TPO / WBBA, WBBA-P	-247.5*
C-39	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO	I.S.O. STICK	Min. 0.5-inch GenFlex HD ISO	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-300.0*
C-40	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	I.S.O. STICK, 6-inch o.c.	Min. 0.5-inch GenFlex HD ISO	I.S.O. STICK, 6-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-360.0*
C-41	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 19/32-inch plywood	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA, WBBA, WBBA-P	-247.5*
C-42	Min. 2,500 psi structural concrete	None	Min. 0.5-inch GenFlex HD ISO	I.S.O. STICK	None	N/A	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, WBBA, WBBA-P	-405.0 *
C-43	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	I.S.O. FIX II, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. FIX II, 6-inch o.c.	GenFlex EZ TPO / WBBA, WBBA-P	-247.5*
C-44	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	I.S.O. FIX II, 6-inch o.c.	(Optional) Additional layers of base insulation	I.S.O. FIX II, 6-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-360.0*
C-45	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex Coated Glass Facer	I.S.O. FIX II	Min. 1-inch GenFlex Coated Glass Facer	I.S.O. FIX II	GenFlex EZ TPO / LVOC-BA-1168	-450.0*
C-46	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch GenFlex ISO	I.S.O. FIX II	Min. 0.5-inch FiberTop C or S	I.S.O. FIX II	GenFlex EZ TPO / LVOC-BA-1168	-210.0*
C-47	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	I.S.O. FIX II	Optional additional layers of base insulation or min. 1-inch GenFlex ISO or 0.5-inch Tapered GenFlex ISO; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II	GenFlex EZ TPO / WBBA-S	-240.0*
C-48	Min. 2,500 psi structural concrete	None	Min. two layers min. 1.5-inch GenFlex ISO	I.S.O. FIX II	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II	GenFlex EZ TPO / LVOC-BA-1168	-262.5*

TABLE 3A: CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS.

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)		
C-49	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO	I.S.O. FIX II	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II	GenFlex EZ TPO / WBBA, WBBA-P	-135.0*
C-50	Min. 2,500 psi structural concrete	None	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II, 4-inch o.c.	None	N/A	GenFlex EZ TPO / WBBA, WBBA-P	-135.0*
C-51	Min. 2,500 psi structural concrete	None	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II, 4-inch o.c.	None	N/A	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-247.5*
C-52	Min. 2,500 psi structural concrete	None	One or more layers, min. 1.5-inch GenFlex ISO	I.S.O. FIX II	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-300.0*
C-53	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex Coated Glass Facer	I.S.O. FIX II, 6-inch o.c.	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II, 6-inch o.c.	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-360.0*
C-54	Min. 2,500 psi structural concrete	None	Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II, 4-inch o.c.	None	N/A	GenFlex EZ TPO / LVOC-BA	-360.0*
GENFLEX EZ FLEECE BACKED TPO SYSTEMS IN XR BONDING ADHESIVE								
C-55	Min. 2,500 psi structural concrete	ASTM D41	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-232.5*
C-56	Min. 2,500 psi structural concrete	ASTM D41	One or two layers min. 1.5-inch GenFlex ISO	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-300.0*
C-57	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA; I.S.O. STICK	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA; I.S.O. STICK	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-112.5*
C-58	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA; I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA; I.S.O. STICK	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-390.0*
C-59	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-300.0*
C-60	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-187.5*
GENFLEX EZ FLEECE BACKED TPO SYSTEMS IN HOT ASPHALT								
C-61	Min. 2,500 psi structural concrete	(Optional) ASTM D41	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	GenFlex EZ Fleece Backed TPO / Hot Asphalt	-232.5*

TABLE 3A: CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS.

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)		
C-62	Min. 2,500 psi structural concrete	(Optional) ASTM D41	Min. 1.5-inch GenFlex ISO	Hot asphalt	(Optional) Additional layers of base insulation	Hot asphalt	GenFlex EZ Fleece Backed TPO / Hot Asphalt	-300.0*
C-63	Min. 2,500 psi structural concrete	ASTM D41	Min. 1.5-inch GenFlex ISO	Hot Asphalt	None	N/A	GenFlex EZ Fleece Backed TPO / Hot Asphalt	-382.5*
C-64	Min. 2,500 psi structural concrete	None	Min. 1.5-inch GenFlex ISO	Hot Asphalt	None	N/A	GenFlex EZ Fleece Backed TPO / Hot Asphalt	-487.5*
C-65	Min. 2,500 psi structural concrete	(Optional) ASTM D41	Min. 1.5-inch GenFlex ISO	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	GenFlex EZ Fleece Backed TPO / Hot Asphalt	-457.5*
C-66	Min. 2,500 psi structural concrete	(Optional) ASTM D41	Two layers min. 1.5-inch GenFlex ISO	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	GenFlex EZ Fleece Backed TPO / Hot Asphalt	-300.0*
C-67	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ Fleece Backed TPO / Hot Asphalt	-390.0*
C-68	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / Hot Asphalt	-187.5*
GENFLEX EZ FLEECE BACKED TPO SYSTEMS IN XR STICK:								
C-69	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA; I.S.O. STICK	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA; I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-142.5*
C-70	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA; I.S.O. STICK	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA; I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
C-71	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA; I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA; I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
C-72	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA; I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA; I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-82.5*
C-73	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA; I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA; I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
C-74	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA; I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA; I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*

TABLE 3A: CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

REFER TO NOTE 16 FOR VAPOR BARRIER OPTIONS.

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)		
C-75	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA; I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA; I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-60.0*
C-76	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA; I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA; I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
C-77	Min. 2,500 psi structural concrete	None	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA; I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 19/32-inch plywood	G-OSIA; I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*

TABLE 3B: CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)				MDP (psf)
			Base Ply	Application	Top Ply	Application	
C-78	Min. 2,500 psi structural concrete	None	None	N/A	GenFlex EZ Fleece Backed TPO	XR Stick, 12-inch o.c.	-97.5*
C-79	Min. 2,500 psi structural concrete	None	None	N/A	GenFlex EZ Fleece Backed TPO	EZ-FBBA	-360.0*
C-80	Min. 2,500 psi structural concrete	None	None	N/A	GenFlex EZ Fleece Backed TPO	XR Stick, 6-inch o.c.	-150.0*
C-81	Min. 2,500 psi structural concrete	ASTM D41	None	N/A	GenFlex EZ Fleece Backed TPO	EZ-FBBA	-180.0*
C-82	Min. 2,500 psi structural concrete	ASTM D41	One or two plies GenFlex Type IV or Type VI or one ply of Firestone MB Base, SBS Base, SBS PolyBase or SBS Premium Base	Hot asphalt	GenFlex EZ Fleece Backed TPO	XR Stick, 4-inch o.c.	-315.0*
C-83	Min. 2,500 psi structural concrete	None	None	N/A	GenFlex EZ Fleece Backed TPO	Hot asphalt	-487.5*
C-84	Min. 2,500 psi structural concrete	ASTM D41	None	N/A	GenFlex EZ Fleece Backed TPO	Hot asphalt	-495.0*

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-1	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-217.5*
LWC-2	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex Coated Glass Facer	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-217.5*
LWC-3	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-OSIA	Min. 2-inch GenFlex HD Composite ISO	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-217.5*
LWC-4	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-217.5*
LWC-5	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-217.5*
LWC-6	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 19/32-inch plywood	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-217.5*
LWC-7	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO	G-OSIA	GenFlex EZ TPO / WBBA, WBBA-P	-45.0*
LWC-8	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex Coated Glass Facer	G-OSIA	GenFlex EZ TPO / WBBA, WBBA-P	-217.5*
LWC-9	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-OSIA	Min. 2-inch GenFlex HD Composite ISO	G-OSIA	GenFlex EZ TPO / WBBA, WBBA-P	-135.0*

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-10	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ TPO / WBBA, WBBA-P	-135.0*
LWC-11	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ TPO / WBBA, WBBA-P	-135.0*
LWC-12	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO	I.S.O. STICK	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-187.5*
LWC-13	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex Coated Glass Facer	I.S.O. STICK	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex Coated Glass Facer	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-187.5*
LWC-14	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore, Elastizell, Mearlcrete or Insulcel cellular LWIC.	Min. 1.5-inch GenFlex ISO	I.S.O. STICK	(Optional) Additional layers of base insulation	I.S.O. STICK	GenFlex EZ TPO / EZ-BA	-225.0*
LWC-15	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	I.S.O. STICK	Min. 2-inch GenFlex HD Composite ISO	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-187.5*
LWC-16	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-187.5*
LWC-17	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-187.5*
LWC-18	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore, Elastizell, Mearlcrete or Insulcel cellular LWIC.	Min. 1.5-inch GenFlex ISO	I.S.O. STICK	Min. 0.25-inch DensDeck Prime or SECURock Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / EZ-BA	-225.0*

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-19	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 19/32-inch plywood	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-187.5*
LWC-20	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO	I.S.O. STICK	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO	I.S.O. STICK	GenFlex EZ TPO / WBBA, WBBA-P	-45.0*
LWC-21	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex Coated Glass Facer	I.S.O. STICK	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex Coated Glass Facer	I.S.O. STICK	GenFlex EZ TPO / WBBA, WBBA-P	-187.5*
LWC-22	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	I.S.O. STICK	Min. 2-inch GenFlex HD Composite ISO	I.S.O. STICK	GenFlex EZ TPO / WBBA, WBBA-P	-135.0*
LWC-23	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. STICK	GenFlex EZ TPO / WBBA, WBBA-P	-135.0*
LWC-24	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / WBBA, WBBA-P	-135.0*
LWC-25	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO	G-OSIA	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-112.5*
LWC-26	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex Coated Glass Facer	G-OSIA	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-142.5*
LWC-27	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-OSIA	Min. 2-inch GenFlex HD Composite ISO	G-OSIA	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-217.5*

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-28	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-217.5*
LWC-29	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-217.5*
LWC-30	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-142.5*
LWC-31	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex Coated Glass Facer	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-142.5*
LWC-32	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-OSIA	Min. 2-inch GenFlex HD Composite ISO	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
LWC-33	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
LWC-34	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
LWC-35	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 19/32-inch plywood	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
LWC-36	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-OSIA	Min. 2-inch GenFlex HD Composite ISO	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-82.5*

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-37	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-82.5*
LWC-38	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-60.0*
LWC-39	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
LWC-40	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex Coated Glass Facer	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
LWC-41	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-OSIA	Min. 2-inch GenFlex HD Composite ISO	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
LWC-42	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
LWC-43	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
LWC-44	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO	I.S.O. STICK	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-112.5*
LWC-45	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex Coated Glass Facer	I.S.O. STICK	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex Coated Glass Facer	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-142.5*

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-46	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	I.S.O. STICK	Min. 2-inch GenFlex HD Composite ISO	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-187.5*
LWC-47	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-187.5*
LWC-48	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-187.5*
LWC-49	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO	I.S.O. STICK	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-142.5*
LWC-50	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex Coated Glass Facer	I.S.O. STICK	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex Coated Glass Facer	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-142.5*
LWC-51	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	I.S.O. STICK	Min. 2-inch GenFlex HD Composite ISO	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
LWC-52	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
LWC-53	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
LWC-54	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 19/32-inch plywood	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-55	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	I.S.O. STICK	Min. 2-inch GenFlex HD Composite ISO	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-82.5*
LWC-56	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-82.5*
LWC-57	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-60.0*
LWC-58	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex ISO	I.S.O. STICK	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
LWC-59	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1-inch GenFlex Coated Glass Facer	I.S.O. STICK	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex Coated Glass Facer	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
LWC-60	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	(Optional) Min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	I.S.O. STICK	Min. 2-inch GenFlex HD Composite ISO	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
LWC-61	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
LWC-62	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
LWC-63	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Elastizell cellular LWIC.	Min. 1.5-inch GenFlex ISO	Polyset CR-20	(Optional) Additional layers base insulation	Polyset CR-20	GenFlex EZ TPO / EZ-BA	-180.0*

TABLE 4A: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-64	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore cellular LWIC.	Min. 1.5-inch GenFlex ISO	Polyset CR-20	(Optional) Additional layers base insulation	Polyset CR-20	GenFlex EZ TPO / EZ-BA	-222.5*
LWC-65	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete cellular LWIC.	Min. 1.5-inch GenFlex ISO	Polyset CR-20	(Optional) Additional layers base insulation	Polyset CR-20	GenFlex EZ TPO / EZ-BA	-240.0*
LWC-66	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Elastizell cellular LWIC.	Min. 1.5-inch GenFlex ISO	Polyset CR-20	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	GenFlex EZ TPO / EZ-BA	-180.0*
LWC-67	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore or Mearlcrete cellular LWIC.	Min. 1.5-inch GenFlex ISO	Polyset CR-20	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	GenFlex EZ TPO / EZ-BA	-195.0*
LWC-68	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Elastizell cellular LWIC.	Min. 1.5-inch GenFlex ISO	Polyset CR-20	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	GenFlex EZ TPO / EZ-BA	-180.0*
LWC-69	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore cellular LWIC.	Min. 1.5-inch GenFlex ISO	Polyset CR-20	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	GenFlex EZ TPO / EZ-BA	-222.5*
LWC-70	Min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Mearlcrete cellular LWIC.	Min. 1.5-inch GenFlex ISO	Polyset CR-20	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	GenFlex EZ TPO / EZ-BA	-240.0*

TABLE 4B: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: MECHANICALLY ATTACHED ROOF COVER (THROUGH LWC TO ENGAGE STRUCTURAL DECK)

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Insulation (Note 13)		Roof Cover (Note 15)			MDP (psf)
			Type	Attach	Membrane	Fasteners (Note 11)	Attachment	
LWC-71	Min. 22 ga., type BV (0.5%), 60 ksi steel; 5' spans, 5/8" puddle welds 6" o.c. or structural concrete	Min. 200 psi, min. 2-inch thick Elastizell	(Optional) One or more layers, any combination, min. 0.5-inch	Prelim. Attach	GenFlex EZ TPO	GenFast HD Fasteners or GenFast Concrete Drive (concrete only) with GenFast HD Seam Plates	Fastened through to engage structural deck, 6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0

TABLE 4C: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Roof Cover (Note 15)	MDP (psf)
GENFLEX EZ TPO SYSTEMS:				
LWC-72	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans; Tek/5 screws 6" o.c. or min. 2,500 psi structural concrete	Pre-existent Min. 200 psi, min. 2-inch thick cellular LWIC with optional 1-inch thick, 1.0 pcf EPS holey board.	GenFlex EZ TPO / EZ-BA	-67.5*
LWC-73	Min. 22 ga., type B, Grade 33 vented steel deck at max. 5 ft spans; Tek/5 screws 6" o.c. or min. 2,500 psi structural concrete	Pre-existent Min. 200 psi, min. 2-inch thick cellular LWIC with optional 1-inch thick, 1.0 pcf EPS holey board. When walkable, LWC is mechanically attached with GenFast 3" Round Insulation Plates with GenFast HD Fasteners at a density of 1 per 2.0 ft ² .	GenFlex EZ TPO / EZ-BA	-135.0*
LWC-74	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	GenFlex EZ TPO / EZ-BA	-247.5*
GENFLEX EZ FLEECE BACKED TPO SYSTEMS:				
LWC-75	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans; Tek/5 screws 6" o.c. or min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore cellular LWIC with optional 1-inch thick, 1.0 pcf EPS holey board.	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-45.0*
LWC-76	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans; 5/8" puddle welds with washer 6" o.c. or min. 2,500 psi structural concrete	Min. 200 psi, min. 2-inch thick Celcore cellular LWIC with optional 1-inch thick, 1.0 pcf EPS holey board. When walkable, LWC is mechanically attached with GenFast 3" Round Insulation Plates with GenFast HD Fasteners at a density of 1 per 2.0 ft ² .	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-90.0*
LWC-77	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans; Tek/5 screws 6" o.c. or min. 2,500 psi structural concrete	Pre-existent Min. 250 psi, min. 2-inch thick cellular LWIC with optional 1-inch thick, 1.0 pcf EPS holey board. When walkable, LWC is mechanically attached with GenFast 3" Round Insulation Plates with GenFast HD Fasteners at a density of 1 per 2.0 ft ² . <i>Note: To qualify the LWIC under this assembly, a Trufast FM-90 Fastener shall achieve a MCRF of 100 lbf when tested per TAS 105.</i>	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-75.0*
LWC-78	Min. 2,500 psi structural concrete	Pre-existent Min. 250 psi, min. 2-inch thick cellular LWIC. <i>Note: To qualify the LWIC under this assembly, a Trufast FM-90 Fastener shall achieve a MCRF of 95 lbf when tested per TAS 105.</i>	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-467.5*
LWC-79	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans; 5/8" puddle welds with washers 6" o.c.	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-52.5*
LWC-80	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans; Traxx/5 screws 6" o.c.	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-60.0*
LWC-81	Min. 22 ga., type B, Grade 33 vented steel deck at max. 5 ft spans; Traxx/5 screws 6" o.c.	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-82.5*
LWC-82	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans; Tek/5 screws 6" o.c.	Min. 300 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete, with optional 1-inch thick, 1.0 pcf EPS holey board.	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-82.5*
LWC-83	Min. 22 ga., type B, Grade 33 vented steel deck at max. 4 ft spans; Traxx/5 screws 6" o.c.	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-90.0*
LWC-84	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans; Tek/5 screws 6" o.c.	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound. When walkable, LWC is mechanically attached with GenFast 3" Round Insulation Plates with GenFast HD Fasteners at a density of 1 per 2.0 ft ² .	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-90.0*
LWC-85	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-90.0*

TABLE 4C: LIGHTWEIGHT CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Roof Cover (Note 15)	MDP (psf)
LWC-86	Min. 22 ga., type B, Grade 33 vented steel deck at max. 6 ft spans; 5/8" puddle welds with washers 6" o.c.	Min. 250 psi, min. 2-inch thick Elastizell Range II Lightweight Insulating Concrete with optional 1-inch thick, 1.0 pcf EPS holey board. When walkable, LWC is mechanically attached with GenFast 3" Round Insulation Plates with GenFast HD Fasteners at a density of 1 per 2.0 ft ² .	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-82.5*
LWC-87	Min. 2,500 psi structural concrete	Min. 250 psi, min. 2-inch thick Elastizell Range II Lightweight Insulating Concrete with 1-inch thick, 1.0 pcf EPS holey board.	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-90.0*
LWC-88	Min. 2,500 psi structural concrete	Min. 250 psi, min. 2-inch thick Elastizell Range II Lightweight Insulating Concrete. No EPS holey board.	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-210.0*
LWC-89	Min. 2,500 psi structural concrete	Min. 350 psi, min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, with optional 1-inch thick, 1.0 pcf EPS holey board and surfacing of Celcore PVA Curing Compound.	GenFlex EZ Fleece Backed TPO / XR Stick; 4-inch o.c. (full coverage)	-75.0*

TABLE 5A: CEMENTITIOUS WOOD FIBER 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)		
CWF-1.	Existing Tectum	Min. 1.5-inch GenFlex ISO	I.S.O. STICK	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / EZ-BA	-45.0*
CWF-2.	Existing Tectum	Min. 1.5-inch GenFlex ISO	I.S.O. STICK	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / LVOC-BA-1168	-45.0*
CWF-3.	Existing Tectum or Fibroplank	Min. 1.5-inch GenFlex ISO	Polyset CR-20	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	GenFlex EZ TPO / EZ-BA	-52.5*
CWF-4.	Existing Tectum or Fibroplank	Min. 1.5-inch GenFlex ISO	Polyset CR-20	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	GenFlex EZ TPO / LVOC-BA-1168	-52.5*

TABLE 5B: CEMENTITIOUS WOOD FIBER 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	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
CWF-5.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	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	I.S.O. STICK	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / EZ-BA	-45.0*
CWF-6.	Existing Tectum	SBS Base, SBS Premium Base, MB Base or APP 160	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	I.S.O. STICK	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / LVOC-BA-1168	-45.0*

TABLE 6A: 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)		
GENFLEX EZ TPO SYSTEMS:							
G-1.	Existing poured gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	G-OSIA	(Optional) Additional layers of base insulation	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-165.0*
G-2.	Existing poured gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-127.5*
G-3.	Existing poured gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ TPO / EZ-BA	-157.5*
G-4.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ TPO / EZ-BA	-230.0
G-5.	Existing poured gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	Polyset CR-20	(Optional) Additional layers base insulation	Polyset CR-20	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-257.5*
G-6.	Existing poured gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	Polyset CR-20	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	GenFlex EZ TPO / EZ-BA	-195.0*
G-7.	Existing poured gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	Polyset CR-20	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-240.0*
G-8.	Existing poured gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	I.S.O. STICK	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / EZ-BA	-112.5*
G-9.	Existing poured gypsum or gypsum plank	Min. 1.5-inch GenFlex ISO	I.S.O. STICK	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / LVOC-BA-1168	-112.5*
GENFLEX EZ FLEECE BACKED TPO SYSTEMS:							
G-10.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-230.0

TABLE 6B: GYPSUM DECKS - NEW CONSTRUCTION OR 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	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
G-11.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Trufast Twin Loc-Nail (MCRF $\geq$ 105 lbf)	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	I.S.O. STICK	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / EZ-BA	-45.0*
G-12.	Existing gypsum deck	SBS Base, SBS Premium Base, MB Base or APP 160	Trufast Twin Loc-Nail (MCRF $\geq$ 105 lbf)	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	I.S.O. STICK	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / LVOC-BA-1168	-45.0*

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: 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)		
GenFlex EZ TPO Systems							
R-1	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch GenFlex ISO with optional Tapered GenFlex ISO	Hot Asphalt	Min. 0.5-inch Firestone FiberTop	Hot Asphalt	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-135.0*
R-2	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch GenFlex ISO	Hot Asphalt	(Optional) Tapered GenFlex ISO	Hot asphalt	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-180.0*
R-3	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch GenFlex ISO with optional Tapered GenFlex ISO	Hot Asphalt	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	GenFlex EZ TPO / EZ-BA	-195.0*
R-4	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch GenFlex ISO with optional Tapered GenFlex ISO	Hot Asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	GenFlex EZ TPO / LVOC-BA-1168	-195.0*
R-5	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch GenFlex ISO	G-OSIA	(Optional) Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ TPO / EZ-BA	-157.5*
R-6	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch GenFlex ISO	G-OSIA	(Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ TPO / LVOC-BA-1168	-157.5*
R-7	Existing asphaltic BUR or granule surface modified bitumen	(Optional) Min. 1.5-inch GenFlex ISO	G-OSIA	Min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-157.5*
R-8	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO	G-OSIA	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex ISO	G-OSIA	GenFlex EZ TPO / WBBA, WBBA-P	-45.0*
R-9	Existing granule surface modified bitumen	Min. 1-inch GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	G-OSIA	GenFlex EZ TPO / WBBA, WBBA-P	-247.5*
R-10	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-262.5*
R-11	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ TPO / WBBA, WBBA-P	-135.0*
R-12	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-262.5*
R-13	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ TPO / WBBA, WBBA-P	-135.0*

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: 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)		
R-14	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA	-247.5*
R-15	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-262.5*
R-16	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch GenFlex ISO	Polyset CR-20	(Optional) Additional layers base insulation	Polyset CR-20	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-262.5*
R-17	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch GenFlex ISO	Polyset CR-20	Min. 0.25-inch DensDeck or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	GenFlex EZ TPO / EZ-BA	-195.0*
R-18	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch GenFlex ISO	Polyset CR-20	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Polyset CR-20	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168	-240.0*
R-19	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO	I.S.O. FIX II	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex ISO	I.S.O. FIX II	GenFlex EZ TPO / WBBA, WBBA-P	-45.0*
R-20	Existing granule surface modified bitumen	Min. 1-inch GenFlex Coated Glass Facer	I.S.O. FIX II	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	I.S.O. FIX II	GenFlex EZ TPO / WBBA, WBBA-P	-195.0*
R-21	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	I.S.O. FIX II	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-195.0*
R-22	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II	GenFlex EZ TPO / WBBA, WBBA-P	-135.0*
R-23	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-195.0*
R-24	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II	GenFlex EZ TPO / WBBA, WBBA-P	-135.0*
R-25	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-195.0*
R-26	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex ISO	I.S.O. STICK	GenFlex EZ TPO / WBBA, WBBA-P	-45.0*

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: 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)		
R-27	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex Coated Glass Facer	I.S.O. STICK	GenFlex EZ TPO / WBBA, WBBA-P	-60.0*
R-28	Existing asphaltic BUR	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	(Optional) Additional layers of base insulation and/or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA	-60.0*
R-29	Existing granule surface modified bitumen	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	(Optional) Additional layers of base insulation	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA, WBBA, WBBA-P	-120.0*
R-30	Existing asphaltic BUR or granule surface modified bitumen	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 0.5-inch GenFlex HD ISO	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA, WBBA, WBBA-P	-60.0*
R-31	Existing asphaltic BUR	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA, WBBA, WBBA-P	-60.0*
R-32	Existing granule surface modified bitumen	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ TPO / EZ-BA, LVOC-BA-1168, LVOC-BA, WBBA, WBBA-P	-120.0*
GENFLEX EZ FLEECE BACKED TPO SYSTEMS							
R-33	Existing granule surface modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	GenFlex EZ Fleece Backed TPO / Hot Asphalt	-457.5*
R-34	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II	GenFlex EZ Fleece Backed TPO / Hot Asphalt	-195.0*
R-35	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ Fleece Backed TPO / Hot Asphalt	-262.5*
R-36	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / Hot Asphalt	-352.5*
R-37	Existing granule-surfaced, asphaltic modified bitumen	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-300.0*
R-38	Existing granule surface modified bitumen	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-112.5*

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: 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)		
R-39	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	G-OSIA	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-262.5*
R-40	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	G-OSIA	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-262.5*
R-41	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-195.0*
R-42	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-195.0*
R-43	Existing asphaltic BUR	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or Tapered GenFlex Coated Glass Facer; Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-60.0*
R-44	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-352.5*
R-45	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. STICK	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. STICK	GenFlex EZ Fleece Backed TPO / EZ-FBBA	-300.0*
R-46	Existing asphaltic BUR	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA	None	N/A	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c.	-45.0*
R-47	Existing granule surface modified bitumen	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-142.5*
R-48	Existing granule surface modified bitumen	Min. 1.5-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	(Optional) Additional layer of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
R-49	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
R-50	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-82.5*

TABLE 7A: RECOVER APPLICATIONS
SYSTEM TYPE A-1: 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)		
R-51	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 0.5-inch GenFlex HD ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
R-52	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
R-53	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 6-inch o.c.	-60.0*
R-54	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c. (full coverage)	-172.5*
R-55	Existing granule surface modified bitumen	Min. 1-inch GenFlex ISO or GenFlex Coated Glass Facer	I.S.O. FIX II; I.S.O. STICK; G-OSIA	Optional additional layers of base insulation or min. 0.5-inch Tapered GenFlex ISO or GenFlex Coated Glass Facer followed by min. 19/32-inch plywood	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 12-inch o.c.	-45.0*
R-56	Existing asphaltic BUR	Min. 1-inch GenFlex ISO	I.S.O. FIX II; I.S.O. STICK; G-OSIA	(Optional) Min. 0.5-inch GenFlex HD ISO or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. STICK; G-OSIA	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c.	-172.5*
R-57	Existing asphaltic BUR	Min. 0.5-inch GenFlex HD ISO or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	I.S.O. FIX II; I.S.O. STICK; G-OSIA	None	N/A	GenFlex EZ Fleece Backed TPO / XR Stick, 4-inch o.c.	-172.5*

TABLE 7B: STEEL - RECOVER
SYSTEM TYPE C-2: PLATE-BONDED ROOF COVER

Note: 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.	Substrate (Note 1)	Insulation Layer	Attach		Roof Cover (Note 18)	MDP (psf)
			Fasten (Note 11)	Spacing		
R-58	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, preliminarily fastened per FM Approvals requirements	GenFast Purlin Fastener (T) and GenFlex EZ TPO InvisiWeld Plates are fastened through to purlins	12-inch o.c. along purlins	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-45.0
R-59	Existing standing seam or lap seam metal roof covers having min. ¼-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination, preliminarily fastened per FM Approvals requirements	GenFast Purlin Fastener (T) and GenFlex EZ TPO InvisiWeld Plates are fastened through to purlins	6-inch o.c. along purlins	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-52.5
R-60	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, preliminarily fastened per FM Approvals requirements	GenFast Purlin Fastener (T) and GenFlex EZ TPO InvisiWeld Plates are fastened through to purlins	6-inch o.c. along purlins	GenFlex EZ TPO bonded to GenFlex EZ TPO InvisiWeld Plates with RhinoBond Portable Plate Bonding Tool and weighted RhinoBond Cooling Clamps.	-82.5

TABLE 7C: STEEL - RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER

Note: 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 (Note 15)			MDP (psf)
		Type	Attach	Membrane	Fasteners (Note 11)	Attach	
R-61	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 90-inch o.c.	One or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast Purlin Fastener (T) and GenFast HD Seam Plates	12-inch o.c. within 6-inch wide laps spaced max. 90-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-45.0
R-62	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 142-inch o.c.	One or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast Purlin Fastener (T) and GenFast HD Seam Plates	6-inch o.c. within 6-inch wide laps spaced max. 142-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-52.5

TABLE 7D: STEEL - RECOVER
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED ROOF COVER (RMA STRIPS)

Note: 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 (Note 15 & 17)			MDP (psf)
		Type	Attach	Membrane	Fasten (Note 11)	Attach	
R-63	Existing standing seam or lap seam metal roof covers having min. 3/16-inch to max. ¼-inch thick steel purlins spaced max. 10-inch o.c.	One or more layers, any combination	Prelim. attached	GenFlex EZ TPO	GenFast Purlin Fastener (T) and GenFast Coiled Bar Anchor	Firestone UltraPly QuickSeam R.M.A. Strips are applied over the insulation spaced 120-inch o.c. positioned over each steel purlin location. The batten is centered over each strip and fastened into the purlins 6-inch o.c. Roof cover adhered to each strip by first priming the membrane underside with Firestone UltraPly TPO QuickPrime at the strip location, then rolling into place with a hand roller. The min. 2-inch side laps are sealed with a min. 1.5-inch outside heat weld.	-45.0

TABLE 7E: RECOVER APPLICATIONS
SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED ROOF COVER

System No.	Deck (Note 1)	Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners (Note 11)	Attachment	
R-64	Min. 22 ga., type B, Grade 80 steel	GenFlex EZ Fleece Backed TPO	GenFast HD Plus Fasteners (steel only) with GenFast HD Plus Seam Plates	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
R-65	Min. 22 ga., type B, Grade 33 steel min. 2,500 psi structural concrete	GenFlex EZ Fleece Backed TPO	GenFast HD Fasteners with GenFast HD Seam Plates	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-45.0
R-66	Min. 22 ga., type B, Grade 80 steel	GenFlex EZ Fleece Backed TPO	GenFast HD Plus Fasteners (steel only) with GenFast HD Plus Seam Plates	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. Laps sealed with 1.5-inch heat weld.	-67.5

TABLE 7F: RECOVER APPLICATIONS
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (Notes 1 & 12)	Primer	Roof Cover (Note 15)		MDP (psf)
			Type	Application	
R-67	Existing asphaltic BUR or granule-surfaced modified bitumen roof cover	None	GenFlex EZ Fleece Backed TPO	XR Stick, 12-inch o.c.	-45.0*
R-68	Existing granule-surfaced, asphaltic modified bitumen roof cover	None	GenFlex EZ Fleece Backed TPO	XR Stick, 6-inch o.c.	-142.5*
R-69	Existing asphaltic BUR over structural concrete deck	None	GenFlex EZ Fleece Backed TPO	XR Stick, 4-inch o.c.	-315.0*
R-70	Existing granule surfaced SBS modified bitumen over structural concrete deck	None	GenFlex EZ Fleece Backed TPO	XR Stick, 4-inch o.c.	-392.5
R-71	Existing granule surfaced APP modified bitumen over structural concrete deck	None	GenFlex EZ Fleece Backed TPO	XR Stick, 4-inch o.c.	-422.5
R-72	Existing asphaltic BUR or granule surface modified bitumen over structural concrete or steel deck	None	GenFlex EZ Fleece Backed TPO	Hot asphalt	-495.0*