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**Product Approval**  
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OFFICE OF THE SECRETARY

FL #	FL5293-R54
Application Type	Revision
Code Version	2020
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>
Product Manufacturer	GAF
Address/Phone/Email	1 Campus Drive Parispany, NJ 07054 (800) 766-3411 mstieh@gaf.com
Authorized Signature	Robert Nieminen lreith@nemoetc.com
Technical Representative	William Broussard
Address/Phone/Email	1 Campus Drive Parsippany, NJ 07054 (800) 766-3411 TechnicalQuestionsGAF@gaf.com
Quality Assurance Representative	
Address/Phone/Email	
Category	Roofing
Subcategory	Single Ply Roof Systems
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	Robert Nieminen
Florida License	PE-59166
Quality Assurance Entity	UL LLC
Quality Assurance Contract Expiration Date	07/12/2025
Validated By	John W. Knezevich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received

Certificate of Independence [FL5293\\_R54\\_COI\\_2022\\_01\\_COI\\_NIEMINEN.pdf](#)

Referenced Standard and Year (of Standard)	<b>Standard</b>	<b>Year</b>
	ASTM D2178	2015
	ASTM D4601	2012
	ASTM D4897	2009
	ASTM D6163	2015
	ASTM D6164	2011
	ASTM D6222	2011
	ASTM D6878	2013
	ASTM G155	2013
	FM 4470	2016

Equivalence of Product Standards  
Certified By

Sections from the Code

Product Approval Method Method 1 Option D

Date Submitted 12/20/2022  
Date Validated 12/20/2022  
Date Pending FBC Approval 12/21/2022  
Date Approved 02/07/2023

**Summary of Products**

FL #	Model, Number or Name	Description
5293.1	EverGuard TPO Roof Systems for use in FBC non-HVHZ jurisdictions	Thermoplastic polyolefin roofing systems
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> N/A <b>Design Pressure:</b> +N/A/-502.5 <b>Other:</b> 1.) The design pressure noted in this application relates to one specific assembly in the ER Appendix. Refer to the ER Appendix for all systems and associated max. design pressures. 2.) Refer to ER Section 5 for Limits of Use		<b>Installation Instructions</b> <a href="#">FL5293 R54 II 2022 12 20 FINAL A1 ER GAF TPO FL5293-R54.pdf</a> Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL5293 R54 AE 2022 12 20 FINAL ER GAF TPO FL5293-R54.pdf</a> Created by Independent Third Party: Yes

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**Product Approval Accepts:**





**NEMO|etc.**

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

ENGINEER

EVALUATE

TEST

CONSULT

**EVALUATION REPORT BY FLORIDA P.E.**

**GAF**

1 Campus Drive  
Parsippany, NJ 07054  
**(800) 766-3411**

**Evaluation Report 01506.09.05-R55  
FL5293-R54**

**Date of Issuance: 11/09/2005  
Revision 55: 12/20/2022**

**SCOPE:**

This Evaluation Report is issued under F.A.C. [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: EverGuard® TPO Roof Systems for use in FBC non-HVHZ jurisdictions**

**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 P.E. Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

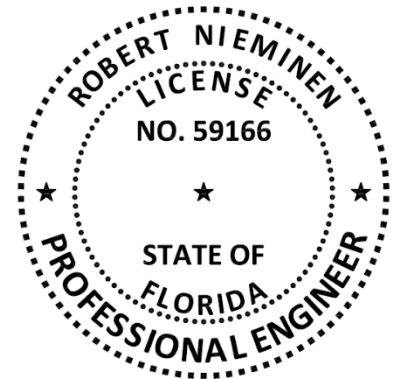
**INSPECTION:** Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 7, plus a 160-page Appendix.

Prepared by:

**Digitally signed  
by Robert  
Nieminen  
Date: 2022.12.20  
'14:13:10 -05'00**

This item has been digitally signed and sealed by Robert Nieminen, P.E. Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies. Robert Nieminen, Florida P.E. 59166, FBC ANE1983 NEMO ETC, LLC, Florida CA #32455



**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  
**Product Approval Method:** Method 1, Option D: Codified Material, Evaluation by Engineer  
**Compliance Statement:** EverGuard® TPO Roof Systems, as produced by GAF, have demonstrated compliance with the following sections of the 7<sup>th</sup> Edition (2020) Florida Building Code through testing in accordance with the following Standards. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

**2. STANDARDS:**

SECTION	PROPERTY	STANDARD	YEAR
1504.3.1	Wind resistance	FM 4474	2011
1504.6	Physical properties	ASTM G155	2013
1504.7	Impact resistance	FM 4470	2016
1507.10.2	Material standard	ASTM D2178	2015
1507.10.2	Material standard	ASTM D4601	2012
1507.10.2	Material standard	ASTM D4897	2009
1507.11.2	Material standard	ASTM D6163	2015
1507.11.2	Material standard	ASTM D6164	2011
1507.11.2	Material standard	ASTM D6222	2011
1507.13.2	Material standard	ASTM D6878	2013

**3. REFERENCES:**

ENTITY	EXAM	REFERENCE	DATE	ENTITY	EXAM	REFERENCE	DATE
PRI (TST5878)	ASTM D6878 (IN)	GAF-423-02-01	10/21/13	FM (TST1867)	FM 4474	3053501	01/14/16
PRI (TST5878)	ASTM D6878 (IN)	GAF-421-02-01	10/22/13	FM (TST1867)	FM 4474	3056207	02/09/16
PRI (TST5878)	ASTM D6878 (IN)	GAF-422-02-01	10/22/13	FM (TST1867)	FM 4474	3055167	02/10/16
PRI (TST5878)	ASTM D6878 (IN)	GAF-424-02-01	11/11/13	FM (TST1867)	FM 4474	RR204005	04/13/16
PRI (TST5878)	ASTM D6878 (IN)	GAF-425-02-01	11/11/13	FM (TST1867)	FM 4474	RR205159	05/05/16
PRI (TST5878)	ASTM D6878 (TX)	GAF-584-02-01	11/20/15	FM (TST1867)	FM 4474	RR205192	05/09/16
PRI (TST5878)	ASTM D6878 (TX)	GAF-585-02-01	11/20/15	FM (TST1867)	FM 4474	RR205233	06/15/16
PRI (TST5878)	ASTM D6878 (UT)	GAF-586-02-01	11/20/15	FM (TST1867)	FM 4474	RR205846	07/21/16
PRI (TST5878)	ASTM D6878 (UT)	GAF-700-02-01	03/10/17	FM (TST1867)	FM 4474	RR205474	08/31/16
PRI (TST5878)	ASTM D6878 (PA)	GAF-870-02-01	02/15/19	FM (TST1867)	FM 4474	RR206198	09/01/16
PRI (TST5878)	ASTM D6878 (PA)	GAF-904-02-01	10/09/19	FM (TST1867)	FM 4474	RR206353	09/07/16
PRI (TST5878)	ASTM D6878 (UT)	GAF-889-02-01	11/01/19	FM (TST1867)	FM 4474	RR206620	09/12/16
PRI (TST5878)	ASTM D6878 (PA)	376T0114	09/09/21	FM (TST1867)	Criticality	3040377 (LTR)	09/21/16
PRI (TST5878)	ASTM D6878 (IN)	376T0128	09/30/21	FM (TST1867)	FM 4474	RR206351	10/21/16
NEMO (TST6049)	Various PPT	4j-GAF-21-SSUDL-01.A-R2	12/16/21	FM (TST1867)	FM 4474	3055491	12/05/16
NEMO	Evaluation Report	01506.11.05-R36	10/06/22	FM (TST1867)	FM 4474	3058483	12/09/16
ACRC (TST4671)	TAS 114	06-035	10/18/06	FM (TST1867)	FM 4474	3056728 LTR	12/23/16
ACRC (TST4671)	TAS 114	07-005	01/17/07	FM (TST1867)	FM 4470	3056822 LTR	01/04/17
ACRC (TST4671)	TAS 114	07-024	03/01/07	FM (TST1867)	FM 4474	RR208456	02/13/17
ACRC (TST4671)	TAS 114	07-016	04/19/07	FM (TST1867)	FM 4474	3061218	05/10/17
ACRC (TST4671)	TAS 114	07-017	04/19/07	FM (TST1867)	FM 4474	3061218 LTR	05/16/17
ACRC (TST4671)	TAS 114	07-025	05/02/07	FM (TST1867)	FM 4474	RR209927	06/23/17
ACRC (TST4671)	TAS 114	07-026	05/03/07	FM (TST1867)	FM 4474	RR210305	07/13/17
ACRC (TST4671)	TAS 114	07-027	05/04/07	FM (TST1867)	FM 4474	RR213506	03/28/18
ACRC (TST4671)	TAS 114	07-042	08/31/07	FM (TST1867)	FM 4474	RR212730	04/05/18
ACRC (TST4671)	TAS 114	07-043	09/05/07	FM (TST1867)	FM 4474	PR449797	04/24/18
ACRC (TST4671)	TAS 114	07-045	09/06/07	FM (TST1867)	FM 4474	RR213333	04/25/18
ACRC (TST4671)	TAS 114	07-046	09/06/07	FM (TST1867)	FM 4474	3056933	07/19/18
ACRC (TST4671)	TAS 114	07-048	09/07/07	FM (TST1867)	FM 4474	3061784	07/25/18
ACRC (TST4671)	TAS 114	07-049	09/10/07	FM (TST1867)	FM 4474	RR215107-267	09/27/18
ACRC (TST4671)	TAS 114	07-080	01/03/08	FM (TST1867)	FM 4474	3055904	10/25/18
ACRC (TST4671)	TAS 114	08-030	04/05/08	FM (TST1867)	FM 4474	RR215191-267	11/07/18
ACRC (TST4671)	TAS 114	08-022	04/17/08	FM (TST1867)	FM 4474	RR215193-267	11/08/18
ACRC (TST4671)	TAS 114	08-023	04/17/08	FM (TST1867)	FM 4474	RR217564-267	02/05/19
ACRC (TST4671)	TAS 114	08-033	04/19/08	FM (TST1867)	FM 4474	PR450261	10/22/19
ACRC (TST4671)	TAS 114	08-032	04/19/08	FM (TST1867)	FM 4474	PR453601-R1	11/15/19
ACRC (TST4671)	TAS 114	11-004	03/21/11	FM (TST1867)	FM 4474	PR453353	01/31/20
ACRC (TST4671)	TAS 114	11-011	03/24/11	FM (TST1867)	Criticality	PR452423	02/06/20
ACRC (TST4671)	TAS 114	11-012	04/06/11	FM (TST1867)	FM 4474	RR221253-267	02/07/20

ENTITY	EXAM	REFERENCE	DATE	ENTITY	EXAM	REFERENCE	DATE
ACRC (TST4671)	TAS 114	11-013	04/06/11	FM (TST1867)	Criticality	PR452971	02/19/20
ACRC (TST4671)	TAS 114	11-019	04/08/11	FM (TST1867)	FM 4474	RR222755-267	03/10/20
ACRC (TST4671)	TAS 114	11-020	04/08/11	FM (TST1867)	FM 4474	PR455417	09/30/20
ACRC (TST4671)	TAS 114	11-021	04/11/11	FM (TST1867)	FM 4474	PR455417 R2	12/23/20
ACRC (TST4671)	TAS 114	11-040	08/05/11	FM (TST1867)	FM 4474	RR227079	03/10/21
ACRC (TST4671)	TAS 114	11-041	08/05/11	FM (TST1867)	Traceability	PR459034	03/24/21
ACRC (TST4671)	TAS 114	11-056	09/30/11	FM (TST1867)	FM 4474	RR226788	03/25/21
ACRC (TST4671)	TAS 114	11-042-R1	01/27/12	FM (TST1867)	FM 4474	PR458073	04/08/21
ACRC (TST4671)	TAS 114	12-008	04/10/12	FM (TST1867)	FM 4474	RR227768	04/09/21
ACRC (TST4671)	TAS 114	12-012	04/23/12	FM (TST1867)	FM 4470	PR459831	04/21/21
ACRC (TST4671)	TAS 114	12-013	04/23/12	FM (TST1867)	FM 4474	RR227915	05/06/21
ACRC (TST4671)	TAS 114	12-014	04/23/12	FM (TST1867)	FM 4474	PR456101	06/24/21
ACRC (TST4671)	TAS 114	12-016	04/24/12	FM (TST1867)	FM 4474	PR461047	10/25/21
ACRC (TST4671)	TAS 114	12-019	04/25/12	FM (TST1867)	FM 4474	PR458360	11/22/21
ACRC (TST4671)	TAS 114	12-024	05/09/12	FM (TST1867)	FM 4474	RR232145-267	03/21/22
ACRC (TST4671)	TAS 114	12-025	05/09/12	FM (TST1867)	FM 4474	PR450629	04/13/22
ACRC (TST4671)	TAS 114	12-029	05/23/12	FM (TST1867)	FM 4474	RR232513-267	04/22/22
ACRC (TST4671)	TAS 114	12-030	05/23/12	FM (TST1867)	FM 4474	PR460889	08/01/22
ACRC (TST4671)	TAS 114	12-033	08/10/12	FM (TST1867)	FM 4474	PR461460	11/15/22
ACRC (TST4671)	TAS 114	12-036	08/13/12	F-TEC (TST7393)	TAS 114	08-050183	06/26/08
ACRC (TST4671)	TAS 114	12-018-R1	01/30/13	F-TEC (TST7393)	TAS 114	08-050184	06/26/08
ACRC (TST4671)	TAS 114	08-022-R1	01/15/15	F-TEC (TST7393)	TAS 114	08-070133	08/04/08
ACRC (TST4671)	TAS 114	11-056-R2	01/23/15	F-TEC (TST7393)	TAS 114	08-050185	10/14/08
ACRC (TST4671)	TAS 114	16-002	03/04/16	F-TEC (TST7393)	TAS 114	08-072805	02/16/09
ACRC (TST4671)	TAS 114(D)	20-016	11/11/20	IRT (TST7408)	TAS 114	02-008	01/18/02
ACRC (TST4671)	TAS 114(D)	20-017	11/11/20	IRT (TST7408)	TAS 114	03-0728	02/17/04
ACRC (TST4671)	TAS 114(D)	20-019	11/13/20	IRT (TST7408)	TAS 114	04-012	02/18/04
ACRC (TST4671)	TAS 114(D)	20-021	11/13/20	IRT (TST7408)	TAS 114	04-019	04/26/04
ACRC (TST4671)	TAS 114(D)	20-022	11/16/20	ITS (TST1558)	TAS 114	G9819.01-109-44	08/15/17
ACRC (TST4671)	TAS 114(D)	20-023	11/16/20	NEMO (TST6049)	FM 4474	SC16825.12.17-3A	01/01/18
ACRC (TST4671)	TAS 114(J)	21-006	03/16/21	NEMO (TST6049)	Physicals	4q-GAF-19-SSMBB-03.A	05/13/19
ATI (TST1558)	TAS 114	H-3320.01-109-44	08/10/17	NEMO (TST6049)	FM 4474	4L-CEL-18-001.12.18.2	07/10/19
ATI (TST1558)	TAS 114	H-3314.01-109-44	08/14/17	PRI (TST5878)	FM 4474	GAF-043-02-03	09/16/13
ATI (TST1558)	TAS 114	H-3315.01-109-44	08/14/17	PRI (TST5878)	FM 4474	GAF-043-02-04	09/16/13
ATI (TST1558)	TAS 114	H-3317.01-109-44	08/14/17	PRI (TST5878)	Criticality	GAF-462-02-02	11/18/13
ATI (TST1558)	TAS 114	H-3318.01-109-44	08/14/17	PRI (TST5878)	FM 4474	GAF-457-02-02	01/20/14
ATI (TST1558)	TAS 114	H-0730.01-109-44	08/16/17	PRI (TST5878)	FM 4474	GAF-457-02-04	01/24/14
ERD (TST6049)	TAS 114	SC8580.11.15-4	11/09/15	PRI (TST5878)	FM 4474	GAF-457-02-06	01/24/14
ERD (TST6049)	TAS 114	SC8580.11.15-2	11/18/15	PRI (TST5878)	FM 4474	GAF-457-02-07	01/24/14
ERD (TST6049)	Criticality	SC16505.17	09/22/17	PRI (TST5878)	FM 4474	GAF-457-02-08	01/24/14
ERD (TST6049)	TAS 114	SC16825.12.17-1	12/31/17	PRI (TST5878)	FM 4474	GAF-435-02-07	01/29/14
ERD (TST6049)	TAS 114	SC16825.12.17-3B	12/31/17	PRI (TST5878)	FM 4474	GAF-435-02-08	01/29/14
FM (TST1867)	FM 4470	3003617	12/20/99	PRI (TST5878)	FM 4474	GAF-435-02-09	01/29/14
FM (TST1867)	FM 4470	3009026	06/18/02	PRI (TST5878)	FM 4474	GAF-435-02-10	01/29/14
FM (TST1867)	FM 4470	3013861	03/28/03	PRI (TST5878)	FM 4474	GAF-435-02-11	01/29/14
FM (TST1867)	FM 4470	3014692	08/05/03	PRI (TST5878)	FM 4474	GAF-435-02-01	01/29/14
FM (TST1867)	FM 4470	3014955	01/22/04	PRI (TST5878)	FM 4474	GAF-506-02-06	03/06/14
FM (TST1867)	FM 4470	3012721	02/11/04	PRI (TST5878)	FM 4474	GAF-506-02-08	03/06/14
FM (TST1867)	FM 4470	3015029	02/19/04	PRI (TST5878)	FM 4474	GAF-506-02-10	03/06/14
FM (TST1867)	FM 4470	3015578	03/12/04	PRI (TST5878)	FM 4474	GAF-510-02-02	04/08/14
FM (TST1867)	FM 4470	3019881	03/20/04	PRI (TST5878)	FM 4474	GAF-510-02-04	04/08/14
FM (TST1867)	FM 4470	3020588	03/24/04	PRI (TST5878)	FM 4474	GAF-510-02-05	04/08/14
FM (TST1867)	FM 4470	3016068	04/02/04	PRI (TST5878)	FM 4474	GAF-511-02-02	04/08/14
FM (TST1867)	FM 4470	3105578	05/12/04	PRI (TST5878)	FM 4474	GAF-506-02-11	04/14/14
FM (TST1867)	FM 4470	3013861	05/21/04	PRI (TST5878)	FM 4474	GAF-506-02-12	04/14/14
FM (TST1867)	FM 4470	3014955	01/28/05	PRI (TST5878)	FM 4474	GAF-506-02-13	04/14/14
FM (TST1867)	FM 4470	3022136	03/17/05	PRI (TST5878)	FM 4474	GAF-506-02-14	04/14/14
FM (TST1867)	FM 4470	3020681	09/01/05	PRI (TST5878)	FM 4474	GAF-506-02-01	04/22/14
FM (TST1867)	FM 4470	3024051	03/28/06	PRI (TST5878)	FM 4474	GAF-514-02-01	05/12/14
FM (TST1867)	FM 4470	797-02093-267	04/26/06	PRI (TST5878)	FM 4474	GAF-514-02-03	05/12/14
FM (TST1867)	FM 4470	3023458	07/18/06	PRI (TST5878)	FM 4474	GAF-514-02-04	05/12/14
FM (TST1867)	FM 4470	3028039	09/11/06	PRI (TST5878)	FM 4474	GAF-514-02-05	05/12/14
FM (TST1867)	FM 4470	3027159	10/03/06	PRI (TST5878)	FM 4474	GAF-514-02-07	05/12/14
FM (TST1867)	FM 4470	3026149	02/05/07	PRI (TST5878)	FM 4474	GAF-514-02-08	05/12/14
FM (TST1867)	FM 4470	3026964	07/25/07	PRI (TST5878)	FM 4474	GAF-516-02-01	05/13/14
FM (TST1867)	FM 4470	3028857	11/02/07	PRI (TST5878)	FM 4474	GAF-516-02-03	05/13/14
FM (TST1867)	FM 4470	3030199	11/05/07	PRI (TST5878)	FM 4474	GAF-516-02-02	06/06/14
FM (TST1867)	FM 4470	3030813	11/05/07	PRI (TST5878)	FM 4474	GAF-525-02-02	06/23/14
FM (TST1867)	FM 4470	3031262	11/30/07	PRI (TST5878)	FM 4474	GAF-525-02-03	06/23/14
FM (TST1867)	FM 4470	3030292	02/25/08	PRI (TST5878)	FM 4474	GAF-462-02-09	07/01/14
FM (TST1867)	FM 4470	797-03825-267	07/21/08	PRI (TST5878)	FM 4474	GAF-462-02-10	07/01/14



ENTITY	EXAM	REFERENCE	DATE	ENTITY	EXAM	REFERENCE	DATE
FM (TST1867)	FM 4470	3033314	08/26/08	PRI (TST5878)	FM 4474	GAF-462-02-11	07/01/14
FM (TST1867)	FM 4470	3034749	10/16/08	PRI (TST5878)	FM 4474	GAF-524-02-02	07/01/14
FM (TST1867)	FM 4470	3032856	11/24/08	PRI (TST5878)	FM 4474	GAF-524-02-03	07/01/14
FM (TST1867)	FM 4470	3033135	11/24/08	PRI (TST5878)	FM 4474	GAF-524-02-05	07/01/14
FM (TST1867)	FM 4470	3033862	12/24/08	PRI (TST5878)	FM 4474	GAF-540-02-02	08/06/14
FM (TST1867)	FM 4470	3034394	02/27/09	PRI (TST5878)	FM 4474	GAF-540-02-03	08/06/14
FM (TST1867)	FM 4470	3033121	04/13/09	PRI (TST5878)	FM 4474	GAF-540-02-04	08/06/14
FM (TST1867)	FM 4470	3035300	05/06/09	PRI (TST5878)	FM 4474	GAF-549-02-01	08/08/14
FM (TST1867)	FM 4470	3036614	06/09/09	PRI (TST5878)	FM 4474	GAF-538-02-02	08/13/14
FM (TST1867)	FM 4470	3034310	06/15/09	PRI (TST5878)	FM 4474	GAF-538-02-03	08/13/14
FM (TST1867)	FM 4470	3036141	08/10/09	PRI (TST5878)	FM 4474	GAF-532-02-01	08/22/14
FM (TST1867)	FM 4470	3037820	04/30/10	PRI (TST5878)	FM 4474	GAF-524-02-05	08/27/14
FM (TST1867)	FM 4470	797-059797-267	08/18/10	PRI (TST5878)	FM 4474	GAF-538-02-04	09/02/14
FM (TST1867)	FM 4470	3038215	09/02/10	PRI (TST5878)	FM 4474	GAF-559-02-11	10/16/14
FM (TST1867)	FM 4470	797-05901-267	10/01/10	PRI (TST5878)	FM 4474	GAF-559-02-12	10/16/14
FM (TST1867)	FM 4470	797-06003-267	11/11/10	PRI (TST5878)	FM 4474	GAF-559-02-13	10/16/14
FM (TST1867)	FM 4470	3038318	12/10/10	PRI (TST5878)	FM 4474	GAF-559-02-14	10/16/14
FM (TST1867)	FM 4470	797-06178-267	02/07/11	PRI (TST5878)	FM 4474	GAF-559-02-15	10/16/14
FM (TST1867)	FM 4470	3040234	02/23/11	PRI (TST5878)	FM 4474	GAF-559-02-16	10/16/14
FM (TST1867)	FM 4470	3040377	03/08/11	PRI (TST5878)	FM 4474	GAF-559-02-18	10/16/14
FM (TST1867)	FM 4470	3041685	03/24/11	PRI (TST5878)	FM 4474	GAF-538-02-05	12/03/14
FM (TST1867)	FM 4470	797-06254-267	02/24/11	PRI (TST5878)	FM 4474	GAF-453-02-05	05/06/16
FM (TST1867)	FM 4470	3041535	06/08/11	PRI (TST5878)	FM 4474	GAF-453-02-09	05/06/16
FM (TST1867)	FM 4470	797-06537-267	06/13/11	PRI (TST5878)	Criticality	GAF-653-02-01	10/20/16
FM (TST1867)	FM 4470	797-06538-267	06/13/11	PRI (TST5878)	FM 4474	GAF-653-02-04	10/20/16
FM (TST1867)	FM 4470	3041746	08/17/11	PRI (TST5878)	FM 4474	GAF-746-02-01	12/14/16
FM (TST1867)	FM 4470	797-06894-267	11/02/11	PRI (TST5878)	FM 4474	GAF-746-02-02	12/14/16
FM (TST1867)	FM 4470	3038278	11/18/11	PRI (TST5878)	FM 4474	GAF-746-02-05	12/14/16
FM (TST1867)	FM 4470	3042905	01/10/12	PRI (TST5878)	FM 4474	GAF-746-02-06	12/14/16
FM (TST1867)	FM 4470	797-07041-267	02/27/12	PRI (TST5878)	FM 4474	GAF-755-02-01	02/02/17
FM (TST1867)	FM 4470	797-07183-267	03/01/12	PRI (TST5878)	FM 4474	GAF-755-02-02	02/02/17
FM (TST1867)	FM 4470	3044506	03/28/12	PRI (TST5878)	FM 4474	GAF-755-02-03	02/02/17
FM (TST1867)	FM 4470	797-07331-267	04/13/12	PRI (TST5878)	FM 4474	GAF-755-02-04	02/02/17
FM (TST1867)	FM 4470	3044862	05/11/12	PRI (TST5878)	FM 4474	GAF-782-02-01	08/24/17
FM (TST1867)	FM 4470	797-07455-267	05/31/12	PRI (TST5878)	FM 4474	GAF-782-02-02	08/30/17
FM (TST1867)	FM 4470	797-07474-267	06/11/12	PRI (TST5878)	FM 4474	GAF-776-02-02	10/04/17
FM (TST1867)	FM 4470	797-07476-267	06/21/12	PRI (TST5878)	Criticality	GAF-793-02-01	12/08/17
FM (TST1867)	FM 4470	3045789	07/12/12	PRI (TST5878)	FM 4474	GAF-793-02-02	12/08/17
FM (TST1867)	FM 4470	3045166	07/24/12	PRI (TST5878)	FM 4474	GAF-793-02-04	12/08/17
FM (TST1867)	FM 4470	3045863	08/16/12	PRI (TST5878)	FM 4474	GAF-835-02-02	02/19/18
FM (TST1867)	FM 4470	3041749	08/23/12	PRI (TST5878)	FM 4474	GAF-834-02-01	02/28/18
FM (TST1867)	FM 4470	3046328	09/13/12	PRI (TST5878)	FM 4474	GAF-835-02-03	02/28/18
FM (TST1867)	FM 4470	3046388	09/24/12	PRI (TST5878)	FM 4474	GAF-835-02-04	02/28/18
FM (TST1867)	FM 4470	3041769	09/27/12	PRI (TST5878)	FM 4474	GAF-833-02-01	03/02/18
FM (TST1867)	FM 4470	797-07744-267	10/17/12	PRI (TST5878)	FM 4474	GAF-833-02-02	03/02/18
FM (TST1867)	FM 4470	797-07885-267	11/21/12	PRI (TST5878)	FM 4474	GAF-836-02-01	03/02/18
FM (TST1867)	FM 4470	3046054	12/21/12	PRI (TST5878)	FM 4474	GAF-836-02-02	03/02/18
FM (TST1867)	FM 4470	797-08216-267	04/11/13	PRI (TST5878)	FM 4474	GAF-836-02-03	03/02/18
FM (TST1867)	FM 4470	3048122	04/29/13	PRI (TST5878)	FM 4474	GAF-836-02-04	03/02/18
FM (TST1867)	FM 4470	797-08217-267	05/01/13	PRI (TST5878)	FM 4474	GAF-858-02-05	04/27/18
FM (TST1867)	FM 4470	797-08264-267	05/23/13	PRI (TST5878)	FM 4474	GAF-858-02-01	05/01/18
FM (TST1867)	FM 4470	3047237	07/15/13	PRI (TST5878)	FM 4474	GAF-858-02-02	05/01/18
FM (TST1867)	FM 4470	3047636	08/08/13	PRI (TST5878)	FM 4474	GAF-858-02-03	05/01/18
FM (TST1867)	FM 4474	797-08873-267	11/26/13	PRI (TST5878)	FM 4474	GAF-858-02-04	05/01/18
FM (TST1867)	FM 4474	3048066	12/13/13	PRI (TST5878)	FM 4474	GAF-858-02-06	05/01/18
FM (TST1867)	FM 4474	3041749	12/30/13	PRI (TST5878)	FM 4474	GAF-834-02-03	05/11/18
FM (TST1867)	FM 4474	797-09116-267	01/24/14	PRI (TST5878)	FM 4474	GAF-902-02-02	02/27/19
FM (TST1867)	FM 4474	797-09234-267	03/11/14	PRI (TST5878)	FM 4474	GAF-926-02-02	07/17/19
FM (TST1867)	FM 4474	797-09317-267	04/18/14	PRI (TST5878)	FM 4474	376T0014	08/09/19
FM (TST1867)	FM 4474	797-09493-267	05/27/14	PRI (TST5878)	FM 4474	376T0016	08/09/19
FM (TST1867)	FM 4474	797-09495-267	05/27/14	PRI (TST5878)	FM 4474	376T0017	08/09/19
FM (TST1867)	FM 4474	797-09573-267	06/13/14	PRI (TST5878)	Criticality	376T0006-3	09/06/19
FM (TST1867)	FM 4474	797-09497-267	06/23/14	PRI (TST5878)	FM 4474	376T0025	09/06/19
FM (TST1867)	FM 4474	797-09594-267	06/24/14	PRI (TST5878)	FM 4474	376T0026	09/06/19
FM (TST1867)	FM 4474	797-09635-267	07/16/14	PRI (TST5878)	FM 4474	376T0027	09/19/19
FM (TST1867)	FM 4474	797-09892-267	10/30/14	PRI (TST5878)	FM 4474	376T0097	10/26/20
FM (TST1867)	FM 4474	797-10123-283	12/17/14	PRI (TST5878)	Criticality	376T0006-1	01/18/21
FM (TST1867)	FM 4474	797-10153-267	12/19/14	PRI (TST5878)	FM 4474	376T0093	01/26/21
FM (TST1867)	FM 4474	797-10210-267	02/05/15	PRI (TST5878)	FM 4474	376T0098	01/26/21
FM (TST1867)	FM 4474	797-10211-267	02/05/15	PRI (TST5878)	FM 4474	376T0099	01/26/21
FM (TST1867)	FM 4474	797-10212-267	02/05/15	PRI (TST5878)	FM 4474	376T0165	06/04/21

ENTITY	EXAM	REFERENCE	DATE	ENTITY	EXAM	REFERENCE	DATE
FM (TST1867)	FM 4474	797-RR20018	02/23/15	PRI (TST5878)	FM 4474	376T0166	06/07/21
FM (TST1867)	FM 4474	RR200320	04/07/15	PRI (TST5878)	Criticality	376T0168	06/07/21
FM (TST1867)	FM 4474	RR200321	04/07/15	PRI (TST5878)	FM 4474	376T0182	09/13/21
FM (TST1867)	FM 4474	3055411	04/15/15	PRI (TST5878)	FM 4474	376T0184	09/13/21
FM (TST1867)	FM 4474	3047636 - LTR	06/24/15	PRI (TST5878)	FM 4474	410T0026	12/15/21
FM (TST1867)	FM 4474	RR202913	11/19/15	PRI (TST5878)	FM 4474	376T0311	07/19/22
FM (TST1867)	FM 4474	3054498	11/30/15	PRI (TST5878)	FM 4474	376T0312	07/19/22
				<a href="#">UL (QUA9625)</a>	QA	Service confirm	07/12/22
				<a href="#">UL (QUA9625)</a>	QA	Florida BCIS	Current

#### 4. PRODUCT DESCRIPTION:

This Evaluation Report covers **EverGuard® TPO Roof Systems** installed in accordance with **GAF** published installation instructions and the [Limitations of Use](#) herein.

**TABLE 1: EVALUATED MEMBRANES**

TYPE	PRODUCT		MATERIAL STANDARD			PLANT(S)
			REFERENCE	TYPE	GRADE	
ROOF COVER OR CAP PLY	EverGuard® TPO	45, 60, 80-mil	ASTM D6878	N/A	N/A	IN, PA, TX, UT
	EverGuard Extreme® TPO	50, 60, 70, 80-mil	ASTM D6878	N/A	N/A	IN, TX, UT
	EverGuard Extreme® TPO	50, 60, 70-mil	ASTM D6878	N/A	N/A	PA
	EverGuard® TPO Fleece-Back Membrane	45, 60, 80-mil	ASTM D6878	N/A	N/A	IN, PA, UT
	EverGuard Extreme® TPO Fleece-Back Membrane	50, 60, 70, 80-mil	ASTM D6878	N/A	N/A	IN
	EverGuard® Freedom™ TPO HW	45, 60-mil	ASTM D6878	N/A	N/A	IN
	EverGuard® SA TPO	45, 60, 80-mil	ASTM D6878	N/A	N/A	IN
BASE SHEETS	GAFGLAS® #75 Base Sheet		ASTM D4601	II	N/A	CA-F, AL, GA
	Tri-Ply® #75 Base Sheet		ASTM D4601	II	N/A	CA-F, AL, GA
	GAFGLAS® #80 Ultima™ Base Sheet		ASTM D4601	II	N/A	AL, GA
	GAFGLAS® Stratavent® Nailable Venting Base Sheet		ASTM D4897	II	N/A	AL, GA
PLY SHEET	GAFGLAS® Ply 4		ASTM D2178	IV	N/A	CA-F, GA
	GAFGLAS® Ply 4 M		ASTM D2178	IV	N/A	AL
	GAFGLAS® FlexPly™ 6		ASTM D2178	VI	N/A	GA
	GAFGLAS® FlexPly™ 6 M		ASTM D2178	VI	N/A	AL
BASE PLY OR VAPOR BARRIER MEMBRANES	Ruberoid® 20 Smooth		ASTM D6163	I	S	AR
	Ruberoid® HW 25 Smooth		ASTM D6163	I	S	GA
	Ruberoid® 30 Granule		ASTM D6163	I	G	GA
	Ruberoid® HW Smooth		ASTM D6164	I	S	GA
	Ruberoid® Mop Smooth		ASTM D6164	I	S	GA
	Ruberoid® Mop Smooth 1.5		ASTM D6164	I	S	GA
	Liberty™ SBS Self-Adhering Cap Sheet		ASTM D6164	I	G	AR, GA, IN
	Ruberoid® Torch Smooth		ASTM D6222	I	S	CA-S, GA, IN
Ruberoid® Torch Granule		ASTM D6222	I	G	CA-S, GA, IN	

## 5. LIMITATIONS:

- 5.1 This is a Building Code Evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in FBC High Velocity Hurricane Zone jurisdictions (i.e., Broward and Miami-Dade Counties).
- 5.3 This Evaluation Report pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This Evaluation Report does not include evaluation of fire classification. Refer to **FBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 This Evaluation Report does not include evaluation of roof edge termination. Refer to **FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC 1511** for requirements and limitations regarding recover installations.
- 5.6.1 For mechanically attached components over existing roof decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with [ANSI/SPRI FX-1](#) or [Testing Application Standard TAS 105](#).
- 5.6.2 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with [ANSI/SPRI IA-1](#), [ASTM E907](#), [FM Loss Prevention Data Sheet 1-52](#) or [Testing Application Standard TAS 124](#) shall be conducted on mock-ups of the proposed new roof assembly.
- 5.6.3 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with [ASTM E907](#), [FM Loss Prevention Data Sheet 1-52](#) or [Testing Application Standard TAS 124](#).
- 5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.
- 5.7.1 “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC 1504.9** has already been applied). Refer to **FBC 1609** for determination of design wind loads.
- 5.7.2 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC Chapter 16**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are [ANSI/SPRI WD1](#), [FM Loss Prevention Data Sheet 1-29](#), [Roofing Application Standard RAS 117](#) and [Roofing Application Standard RAS 137](#). Assemblies marked with an asterisk\* carry the limitations set forth in **Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29** for Zone 2/3 enhancements.
- 5.7.3 For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with **FBC Chapter 16**. No rational analysis is permitted for these systems.
- 5.8 All components in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**. Refer to the Product Approval of the component manufacturer for components listed in Appendix 1 that are produced by a Product Manufacturer other than the report holder on Page 1 of this Evaluation Report.



**6. INSTALLATION:**

**EverGuard® TPO Roof Systems** shall be installed in accordance with **GAF** published installation instructions, subject to the [Limitations 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 \(QUA9625\)](#): (360) 817-5512; [bsai.inspections@ul.com](mailto:bsai.inspections@ul.com)

**- THE 160-PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -**

**APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE**

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
<a href="#">1A</a>	Wood	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	7
<a href="#">1B</a>	Wood	New or Reroof (Tear-Off)	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	8
<a href="#">1C</a>	Wood	New, Reroof (Tear-Off) or Recover	A-2	Mech. Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	11
<a href="#">1D</a>	Wood	New, Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	13
<a href="#">1E</a>	Wood	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	14
<a href="#">1F</a>	Wood	New, Reroof (Tear-Off) or Recover	C-2	Induction-Welded Roof Cover	16
<a href="#">1G</a>	Wood	New, Reroof (Tear-Off) or Recover	D-1	Insulated, Mechanically Attached Roof Cover	17
<a href="#">1H</a>	Wood	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	18
<a href="#">1I</a>	Wood	New, Reroof (Tear-Off) or Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	18
<a href="#">1J</a>	Wood	New, Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	19
<a href="#">2A</a>	Steel	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	22
<a href="#">2B</a>	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	22
<a href="#">2C</a>	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Base and Cap Ply	35
<a href="#">2D</a>	Steel	New or Reroof (Tear-Off)	B-2	Mech. Attached Thermal Barrier, Bonded Temp Roof, Bonded Insulation, Bonded Roof Cover	37
<a href="#">2E</a>	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	44
<a href="#">2F</a>	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Base and Cap Ply	75
<a href="#">2G</a>	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	C-1A	Thermal Barrier with Vapor Barrier, Mechanically Attached Insulation, Bonded Roof Cover	77
<a href="#">2H</a>	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	C-2	Induction-Welded Roof Cover	82
<a href="#">2I</a>	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	D-1	Insulated, Mechanically Attached Roof Cover	84
<a href="#">2J</a>	Steel or Structural concrete	New, Reroof (Tear-Off) or Recover	D-2	Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	90
<a href="#">3A</a>	Structural concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	91
<a href="#">3B</a>	Structural concrete	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Base and Cap Ply	108
<a href="#">3C</a>	Structural concrete	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	109
<a href="#">4A</a>	Lightweight concrete / concrete	New or Reroof (Tear-Off)	A-1	LWC to Deck, Bonded Insulation, Bonded Roof Cover	110
<a href="#">4B</a>	Lightweight concrete / steel	New or Reroof (Tear-Off)	A-2	LWC to Deck, Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	113
<a href="#">4C</a>	Lightweight concrete / concrete	New or Reroof (Tear-Off)	A-2	LWC to Deck, Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	113
<a href="#">4D</a>	Lightweight concrete / steel or concrete	New or Reroof (Tear Off)	E-2	LWC to Deck, Mechanically Attached Base Sheet, Bonded Roof Cover	115
<a href="#">4E</a>	Lightweight concrete / steel	New or Reroof (Tear Off)	F	LWC to Deck, Bonded Roof Cover	116
<a href="#">4F</a>	Lightweight concrete / concrete	New or Reroof (Tear Off)	F	LWC to Deck, Bonded Roof Cover	117
<a href="#">4G</a>	Lightweight concrete / concrete	New or Reroof (Tear Off)	F	Temp Roof / Vapor Barrier to Deck, LWC to Temp Roof / Vapor Barrier, Bonded Roof Cover	119
<a href="#">5A</a>	Cementitious wood fiber	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	120
<a href="#">5B</a>	Cementitious wood fiber	New, Reroof (Tear-Off) or Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	121
<a href="#">5C</a>	Cementitious wood fiber	New or Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	121
<a href="#">6A</a>	Existing gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	122
<a href="#">6B</a>	Existing gypsum	Reroof (Tear-Off)	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	124
<a href="#">6C</a>	Existing gypsum	Reroof (Tear-Off)	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	124
<a href="#">6D</a>	Existing gypsum	Reroof (Tear-Off)	C-1	Mechanically Attached Insulation, Bonded Roof Cover	129
<a href="#">6E</a>	Existing gypsum	Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	129
<a href="#">7A</a>	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	130
<a href="#">7B</a>	Wood or Steel	Recover	C-2	Induction-Welded Roof Cover	158
<a href="#">7C</a>	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover	158
<a href="#">7D</a>	Various	Recover	F	Non-Insulated, Bonded Roof Cover	160

The following notes apply to the systems outlined herein:

- The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- Unless otherwise noted, fasteners and stress plates shall be as follows. Fasteners shall be of sufficient length for the following engagements:

		FASTENER/PLATE OPTIONS	
DECK TYPE	BY	PARTS	MINIMUM ENGAGEMENT
Wood	GAF	Drill-Tec #12 Fastener or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate or Drill-Tec AccuTrac Recessed Plate (insulation only), Drill-Tec ASAP 3S, Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate, Drill-Tec #12 DP Fastener or Drill-Tec #14 HD Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec #12 DPH Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" ASAP Flat or Drill-Tec 3" ASAP Recessed	Minimum ¾-inch plywood penetration or minimum 1-inch wood plank embedment
Steel	GAF	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener or Drill-Tec XHD Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate or Drill-Tec AccuTrac Recessed Plate (insulation only); Drill-Tec ASAP 3S; Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate; Drill-Tec Extra Heavy Duty ASAP Roofing Fastener - Insulation, Drill-Tec #12 DP Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate, Drill-Tec #12 DPH Fastener with Drill-Tec 3" Recessed Steel Plate, Drill-Tec 3" ASAP Flat or Drill-Tec 3" ASAP Recessed	Minimum ¾-inch steel penetration and engage the top flute of the steel deck
	Note:	Unless otherwise noted, Drill Tec #12 DF Fastener or Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate may be used in place of Drill-Tec #12 Fastener or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate when used to secure min. 0.25-inch thick DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board to steel deck, up to a maximum allowable design pressure (MDP) of -45.0 psf.	
	Note:	Unless otherwise noted, Drill Tec #12 DF Fastener or Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate may be used in place of Drill-Tec #12 Fastener or Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate when used to secure min. 0.5-inch thick Structodek High Density Fiberboard Roof Insulation, EnergyGuard HD Polyiso Insulation or EnergyGuard HD Plus Polyiso Insulation, 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) or min. 1.5-inch EnergyGuard POLYISO INSULATION or EnergyGuard Ultra Polyiso Insulation to steel deck.	
Structural Concrete	GAF	Drill-Tec #14 Fastener or Drill-Tec CD-10 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate or Drill-Tec AccuTrac Recessed Plate (insulation only), Drill-Tec Heavy Duty ASAP Roofing Fastener Assembled with a 3" Metal Plate, Drill-Tec #14 HD Fastener with Drill-Tec 3" Flat Steel Plate or Drill-Tec 3" ASAP Flat (#14 only)	Minimum 1-inch embedment. Fasteners installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions
	Note:	Unless otherwise noted, Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate may be used in place of Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate when used to secure min. 0.25-inch thick DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board to structural concrete deck, up to a maximum allowable design pressure (MDP) of -45.0 psf.	
	Note:	Unless otherwise noted, Drill Tec #14 DF Fastener with Drill Tec 3" DF Steel Insulation Plate may be used in place of Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate when used to secure min. 0.5-inch thick Structodek High Density Fiberboard Roof Insulation, EnergyGuard HD Polyiso Insulation or EnergyGuard HD Plus Polyiso Insulation, 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous) or min. 1.5-inch EnergyGuard POLYISO INSULATION or EnergyGuard Ultra Polyiso Insulation to structural concrete deck.	

- Unless otherwise noted, insulation may be any one layer or combination of FBC Approved (Local or Statewide) board(s) that meet FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.
- Minimum 200 psi, minimum 2-inch thick FBC Approved lightweight insulating concrete may be substituted for, or installed below, rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components.
- Preliminary insulation attachment: Unless otherwise noted, use FBC Approved roofing fasteners and plates and refer to Section 2.2.10.1.3 of [FM Loss Prevention Data Sheet 1-29](#).
- 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.  
 If applying hot asphalt to concrete deck, deck shall be primed with ASTM D41 primer.  
 When multiple layers(s) of insulation and/or coverboard are installed in ribbon-applied adhesive, board joints shall be staggered.  
 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.

INSULATION ADHESIVE REFERENCES				
By	ADHESIVE	REFERENCE	FBC FILE OR NOA	MINIMUM RATE
GAF	GAF LRF Adhesive M	'LRF-M'	NOA 18-0521.05	Continuous 0.75 to 1-inch ribbons, 12-inch o.c.
GAF	GAF LRF Adhesive XF	'LRF-XF'	N/A	Continuous 0.75 to 1-inch ribbons, 12-inch o.c.
OMG, Inc.	OlyBond 500 Adhesive Fastener	'OB500'	FL1608	Continuous 0.75-inch wide ribbons, 12-inch o.c. (PaceCart, SpotShot or Canister)
Generic, ASTM D312, Type IV	hot asphalt	N/A	N/A	Full coverage at 25-30 lbs/square

- 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.

MDP LIMITATIONS FOR TAPERED POLYISOCYANURATE INSULATIONS				
ADHESIVE	INSULATION		MIN. TAPERED THICKNESS (IN)	MDP (psf)
	LISTED PRODUCT	FBC FILE OR NOA		
LRF-M	EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	FL16311	0.5	-232.5
LRF-XF	EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	FL16311	0.5	-292.5
LRF-XF	EnergyGuard RA	18-0220.10	0.5	-487.5
OB500	EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	FL16311	0.5	-292.5
OB500	EnergyGuard RH	19-1017.09	0.5	-315.0
OB500	EnergyGuard RN	18-1126.10	0.5	-315.0
OB500	EnergyGuard RA	18-0220.10	0.5	-487.5
Hot asphalt	Any EnergyGuard polyisocyanurate listed with adhesive herein	Various	0.5	-240.0

- 8 For adhered roof insulation and board-size: Unless otherwise noted, refer to Section 2.2.10.6.2 of [FM Loss Prevention Data Sheet](#) 1-29.
- 9 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC Chapter 16. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are [ANSI/SPRI](#) WD1, [FM Loss Prevention Data Sheet](#) 1-29, [Roofing Application Standard](#) RAS 117 and [Roofing Application Standard](#) RAS 137. Assemblies marked with an asterisk\* carry the limitations set forth in Section 2.2.10.1 of [FM Loss Prevention Data Sheet](#) 1-29 for Zone 2/3 enhancements.
- 10 For assemblies with all components fully bonded, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16. No rational analysis is permitted for these systems.
- 11 For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with [ANSI/SPRI](#) FX-1 or [Testing Application Standard TAS 105](#).
- 12 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing shall be conducted on mock-ups of the proposed new roof assembly. For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing. Field uplift testing shall be in accordance with ASTM E907, [FM Loss Prevention Data Sheet](#) 1-52 or [Testing Application Standard](#) TAS 124.
- 13 Refer to FBC 1511 for requirements and limitations regarding recover installations. For Structural Concrete Deck or Recover Applications using System Type C-1 the base insulation layer is optional and for System Type C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation ([Note 5](#)). The separator component shall be documented as meeting FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.

- 14 Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC Section 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC Product Approval for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC Section 1917.4.1, Point 1. For “pre-existent” LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.
- 15 For bonded membrane applications, unless otherwise noted, refer to the following.

MEMBRANE / ADHESIVE COMBINATIONS				
MEMBRANE	ADHESIVE	REFERENCE	APPLICATION	RATE
EverGuard TPO	EverGuard TPO 1121 Bonding Adhesive	TPO 1121	Contact (both sides)	0.8 to 1.0 gal/square/surface. For use over SECUROCK Gypsum-Fiber Roof Board, the application rate changes to 1.2 to 1.67 gal/sq/surface
EverGuard TPO	EverGuard WB181 Bonding Adhesive	WB181	Contact (both sides)	To polyisocyanurate or Structodek High Density Fiberboard Roof Insulation, Fiber Base HD1 or Fiber Base HD6 at 0.63 gal/square and roof cover underside at 0.21 gal/square. To DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board at 0.63 to 0.75 gal/square and roof cover underside at 0.21 to 0.25 gal/square
EverGuard TPO	EverGuard TPO 6 Square Low VOC Bonding Adhesive	TPO 6-Square	Contact (both sides)	0.46 gal/square/surface
EverGuard TPO	EverGuard TPO 3 Square Low VOC Bonding Adhesive	TPO 3-Square	Contact (both sides)	0.84 gal/square/surface
EverGuard TPO	EverGuard TPO Quick Spray Adhesive	TPO QSA	Contact (both sides)	Total application rate: ~0.71 lbs/sq (dry rate).
EverGuard TPO	EverGuard TPO Quick Spray Adhesive LV 50	TPO QSA LV50	Contact (both sides)	Total application rate: ~0.84 lbs/sq (dry-rate).
EverGuard TPO Fleece-Back Membrane	Hot asphalt	Hot asphalt	Wet lay (substrate)	25 lbs/square
EverGuard TPO Fleece-Back Membrane	EverGuard WB181 Bonding Adhesive	WB181	Wet lay (substrate)	0.83 to 1.0 gal/square
EverGuard TPO Fleece-Back Membrane	GAF LRF Adhesive M	LRF-M	Wet lay (substrate)	1-inch wide ribbons spaced as noted in tables herein. Note: The adhesive ribbons are located directly over the adhesive ribbons used to secure the insulation when the cover is bonded to insulation less than 1.5-inch thick.
EverGuard TPO Fleece-Back Membrane	GAF LRF Adhesive O	LRF-O	Wet lay (substrate)	1-inch wide ribbons spaced as noted in tables herein. Note: The adhesive ribbons are located directly over the adhesive ribbons used to secure the insulation when the cover is bonded to insulation less than 1.5-inch thick.
EverGuard TPO Fleece-Back Membrane	GAF LRF Adhesive XF	LRF-XF (spatter)	Wet lay (substrate)	“Spatter pattern” at 3.0 lbs/sq.
EverGuard TPO Fleece-Back Membrane	OlyBond 500 Canister	OB500 (spatter)	Wet lay (substrate)	“Spatter pattern” at 0.32 gal/square (to insulation, coverboard or Tectum) “Spatter pattern” at 0.83 gal/square (to asphaltic base ply membrane).

- 15A 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.
- 15B 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.
- 15C The “Triposite Roofing System” noted herein consists of loose-laid GAFGLAS Stratavent Perforated Venting Base Sheet, followed by asphalt-applied one (1) or two (2) plies of Ruberoid 20 Smooth or three (3) plies of GAFGLAS FlexPly 6 or GAFGLAS FlexPly 6 M, followed by asphalt-applied EverGuard TPO Fleece-Back Membrane with 1-5/8” heat welded side laps.
- 15D Unless otherwise noted, the “Hybrid Roofing System” noted herein consists of asphalt-applied Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5, GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet or GAFGLAS #80 Ultima Base Sheet followed by asphalt-applied EverGuard TPO Fleece-Back Membrane.

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. that of the selected assembly applies.

VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY ADHESIVE-APPLIED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE PER TABLE 3A OR 3B	MDP (PSF)
		TYPE	APPLICATION		
C-VB-1.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid Torch Granule		Hot asphalt	-225.0
C-VB-2.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	One or two plies, GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet		Hot asphalt applied	-360.0
C-VB-3.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	One or two plies, GAFGLAS Ply 4, GAFGLAS Ply 4 M, Tri-Ply Ply 4 Ply Sheet, GAFGLAS FlexPly 6 or GAFGLAS FlexPly 6 M or one ply Ruberoid 20 Smooth		Hot asphalt applied	-495.0
C-VB-4.	None	GAF SA Vapor Retarder XL		Self-adhering	LRF-M, 12-inch o.c.
C-VB-5.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid HW 25 Smooth or Ruberoid HW Smooth		Torch-applied	LRF-M, 12-inch o.c.
C-VB-6.	GAF SA Primer, TPO QSA or TPO QSA LV50	GAF SA Vapor Retarder		Self-adhering	LRF-M, 12-inch o.c.
C-VB-7.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	One or two plies, GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS Ply 4, GAFGLAS Ply 4 M, Tri-Ply Ply 4 Ply Sheet, GAFGLAS FlexPly 6 or GAFGLAS FlexPly 6 M or one ply Ruberoid 20 Smooth		Hot asphalt applied	LRF-M, 12-inch o.c.
C-VB-8.	None	GAF SA Vapor Retarder XL		Self-adhering	LRF-XF 12-inch o.c.
C-VB-9.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid Torch Granule		Torch-applied	LRF-XF, 12-inch o.c.
C-VB-10.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid HW 25 Smooth or Ruberoid HW Smooth		Torch-applied	LRF-XF, 12-inch o.c.
C-VB-11.	GAF SA Primer, TPO QSA or TPO QSA LV50	GAF SA Vapor Retarder		Self-adhering	LRF-XF, 12-inch o.c.
C-VB-12.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Liberty SBS Self-Adhering Cap Sheet		Self-adhering	LRF-XF, 12-inch o.c.
C-VB-13.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	One or two plies, GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS Ply 4, GAFGLAS Ply 4 M, Tri-Ply Ply 4 Ply Sheet, GAFGLAS FlexPly 6 or GAFGLAS FlexPly 6 M or one ply Ruberoid 20 Smooth		Hot asphalt applied	LRF-XF, 12-inch o.c.
C-VB-14.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid 30		Hot asphalt applied	LRF-XF, 12-inch o.c.
C-VB-15.	None	GAF SA Vapor Retarder XL		Self-adhering	OB500, 12-inch o.c.
C-VB-16.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid Torch Smooth		Torch-applied	OB500, 12-inch o.c.
C-VB-17.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid HW 25 Smooth		Torch-applied	OB500, 12-inch o.c.
C-VB-18.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Liberty SBS Self-Adhering Cap Sheet		Self-adhering	OB500, 12-inch o.c.
C-VB-19.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid 20 Smooth		Matrix 102 SBS Membrane Adhesive at 1.5 gal/square	OB500, 12-inch o.c.
C-VB-20.	GAF SA Primer, TPO QSA or TPO QSA LV50	GAF SA Vapor Retarder		Self-adhering	OB500, 12-inch o.c.
C-VB-21.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid Torch Granule		Torch-applied	OB500, 12-inch o.c.
C-VB-22.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid HW Smooth		Torch-applied	OB500, 12-inch o.c.
C-VB-23.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	One or two plies, GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS Ply 4, GAFGLAS Ply 4 M, Tri-Ply Ply 4 Ply Sheet, GAFGLAS FlexPly 6 or GAFGLAS FlexPly 6 M or one ply Ruberoid 20 Smooth		Hot asphalt applied	OB500, 12-inch o.c.

- 16A Vapor barrier options for use over **structural concrete deck** followed by cellular lightweight concrete carry the following Maximum Design Pressure (MDP) limitations. The lesser of the MDP listings below vs. that of the selected assembly applies.

VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK FOLLOWED BY CELLULAR LIGHTWEIGHT INSULATING CONCRETE						
OPTION #	PRIMER	VAPOR BARRIER		LIGHTWEIGHT CONCRETE PER TABLE 4A – 4G (Note 14)	MDP (PSF)	
		TYPE	ATTACH			
LWC-VB-1.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Base Ply (Optional): One or two plies Ruberoid HW 25 Smooth, Ruberoid HW Smooth Cap Ply: Ruberoid HW Granule, Ruberoid HW Granule FR, Ruberoid HW Plus Granule, Ruberoid HW Plus Granule FR		Torch-applied	Min. 200 psi Mearlcrete (FL13492)	-82.5
LWC-VB-2.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Base Ply (Optional): One or two plies Ruberoid HW 25 Smooth, Ruberoid HW Smooth Cap Ply: Ruberoid HW Granule, Ruberoid HW Granule FR, Ruberoid HW Plus Granule, Ruberoid HW Plus Granule FR		Torch-applied	Min. 300 psi Celcore Cellular Concrete (FL2037)	-135.0
LWC-VB-3.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Base Ply (Optional): One or two plies Ruberoid HW 25 Smooth, Ruberoid HW Smooth Cap Ply: Ruberoid HW Granule, Ruberoid HW Granule FR, Ruberoid HW Plus Granule, Ruberoid HW Plus Granule FR		Torch-applied	Min. 300 psi Elastzell (NOA 18-0208.03)	-302.5
LWC-VB-4.	Matrix 307 Premium Asphalt Primer or ASTM D41 primer	Ruberoid HW 25 Smooth, Ruberoid HW Smooth		Torch-applied	Min. 540 psi pre-existent cellular LWC	-358.0

- 17 Fire barriers of FireOut™ Fire Barrier Coating or VersaShield Solo™ Fire-Resistant Slip Sheet are optional in all assemblies when overlying components are mechanically fastened.
- 18 The following products are interchangeable within the scope of this Evaluation Report:

ACCEPTABLE ALTERNATES				
SUB-CATEGORY	MANUFACTURER	FBC FILE OR NOA	LISTED PRODUCT HEREIN	ALTERNATE
ROOFING INSULATION	GAF	FL16311	EnergyGuard Polyiso Insulation	EnergyGuard NH Polyiso Insulation
			EnergyGuard Ultra Polyiso Insulation	EnergyGuard NH Ultra Polyiso Insulation
			EnergyGuard HD Polyiso Cover Board	EnergyGuard HD Barrier Polyiso Cover Board, EnergyGuard NH HD Polyiso Cover Board
			EnergyGuard HD Plus Polyiso Cover Board	EnergyGuard NH HD Plus Polyiso Cover Board
	Georgia-Pacific Gypsum, LLC	FL1250	DensDeck Prime	DensDeck StormX Prime Roof Board
VAPOR BARRIER	GAF	N/A	GAF SA Vapor Retarder XL	GAF SA Vapor Retarder XL40

- 19 For System Types B-1, B-2, C-1, C-2, D-1 or D-2, GAF SA Vapor Retarder or GAF SA Vapor Retarder XL may be installed atop the roof deck, or to a loose-laid thermal barrier of DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, prior to installation of the insulation and roof cover. When adhering GAF SA Vapor Retarder to structural concrete, the substrate shall be primed with GAF SA Primer, TPO QSA or TPO QSA LV50. When adhering GAF SA Vapor Retarder to DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, the substrate shall be primed with GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer. Refer to [FM Loss Prevention Data Sheet](#) 1-29 for design and installation limitations.
- 20 “MDP” = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC 1609 for determination of design wind loads. [\(Notes 9 and 10\)](#)

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

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
<b>EVERGUARD FREEDOM TPO:</b>							
W-1.	Min. 19/32-inch plywood or OSB; 2 ft span	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layers base insulation, flat or tapered	LRF-XF	EverGuard Freedom TPO / self-adhered	-52.5
<b>EVERGUARD SA TPO:</b>							
W-2.	Min. 19/32-inch plywood or OSB; 2 ft span	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layers base insulation, flat or tapered	LRF-XF	EverGuard SA TPO / self-adhered	-52.5
<b>EVERGUARD TPO:</b>							
W-3.	Min. 19/32-inch plywood or OSB; 2 ft span	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layers base insulation, flat or tapered	LRF-XF	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-52.5
W-4.	Min. 19/32-inch plywood or OSB; 2 ft span	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layers base insulation, flat or tapered	LRF-XF	EverGuard TPO / TPO QSA or TPO QSA LV50	-52.5
W-5.	Min. 15/32-inch plywood; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-67.5
W-6.	Min. 15/32-inch plywood; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-67.5
W-7.	Min. 15/32-inch plywood; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500, 6-inch o.c.	(Optional) Additional layers base insulation, flat or tapered	OB500, 6-inch o.c.	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-75.0
W-8.	Min. 15/32-inch plywood; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layers base insulation, flat or tapered	OB500, 6-inch o.c.	EverGuard TPO / TPO QSA or TPO QSA LV50	-75.0
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE:</b>							
W-9.	Min. 19/32-inch plywood or OSB; 2 ft span	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layers base insulation, flat or tapered	LRF-XF	EverGuard TPO Fleece-Back Membrane / WB181, LRF-XF (spatter) or OB500 (spatter)	-52.5
W-10.	Min. 15/32-inch plywood; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	EverGuard TPO Fleece-Back Membrane / WB181, LRF-XF (spatter) or OB500 (spatter)	-67.5
W-11.	Min. 15/32-inch plywood; 2 ft span	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500, 6-inch o.c.	(Optional) Additional layers base insulation, flat or tapered	OB500, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / WB181, LRF-XF (spatter) or OB500 (spatter)	-75.0



**TABLE 1B: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover <a href="#">(Note 15)</a>		MDP <a href="#">(psf)</a>
		Type	Fastener <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>	Base	Cap	
W-12.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	8-inch o.c. at min. 4-inch laps and 8-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous)	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-45.0
W-13.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	8-inch o.c. at min. 4-inch laps and 8-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-45.0
W-14.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	9-inch o.c. at min. 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous)	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-45.0
W-15.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	9-inch o.c. at min. 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-45.0
W-16.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	6-inch o.c. at the 4-inch lap and 6-inch o.c. in two staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous)	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-52.5

**TABLE 1B: WOOD 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	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base	Cap	
W-17.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	6-inch o.c. at the 4-inch lap and 6-inch o.c. in two staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-52.5
W-18.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	8-inch o.c. at the 4-inch lap and 8-inch o.c. in two staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous)	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-52.5
W-19.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	8-inch o.c. at the 4-inch lap and 8-inch o.c. in two staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-52.5
W-20.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous)	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-75.0*
W-21.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-75.0

**TABLE 1B: WOOD 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	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base	Cap	
W-22.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	8-inch o.c. at min. 4-inch laps and 8-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base, loose laid, followed by one or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-45.0
W-23.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Eliminator Nailable Venting Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth, Ruberoid Mop Smooth 1.5	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	9-inch o.c. at the min. 4-inch lap and 9-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base, loose laid, followed by one or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-45.0
W-24.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails	6-inch o.c. at min. 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base, loose laid, followed by one or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-52.5
W-25.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails	8-inch o.c. at the 4-inch lap and 8-inch o.c. in two staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base, loose laid, followed by one or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-52.5
W-26.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base, loose laid, followed by one or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-75.0*

**TABLE 1c: WOOD DECKS – NEW CONSTRUCTION. REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover <a href="#">(Note 15)</a>		MDP <a href="#">(psf)</a>
		Type	Fastener <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>	Base	Cap	
W-27.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	16-inch o.c. at the min. 4-inch lap and 16-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous)	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-52.5
W-28.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	16-inch o.c. at the min. 4-inch lap and 16-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-52.5
W-29.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous)	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-60.0
W-30.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-60.0
W-31.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation or EnergyGuard Perlite Recover Board or Min. 0.75-inch EnergyGuard Perlite Roof Insulation (homogeneous)	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-75.0*

**TABLE 1c: WOOD DECKS – NEW CONSTRUCTION. REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck ( <a href="#">Note 1</a> )	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover ( <a href="#">Note 15</a> )		MDP (psf)
		Type	Fastener ( <a href="#">Note 11</a> )	Attach	Type	Attach ( <a href="#">Notes 6,7,8</a> )	Type	Attach ( <a href="#">Notes 6,7,8</a> )	Base	Cap	
W-32.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso or min. 1.5-inch EnergyGuard RA or EnergyGuard RN	hot asphalt	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-82.5
W-33.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	16-inch o.c. at the min. 4-inch lap and 16-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base, loose laid, followed by one or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-52.5
W-34.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	12-inch o.c. at the min. 4-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base, loose laid, followed by one or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-60.0
W-35.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RH Polyiso	hot asphalt	(Optional) Additional layer(s) base insulation	hot asphalt	GAFGLAS Stratavent Perforated Venting Base, loose laid, followed by one or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-82.5*

**TABLE 1D: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
<b>EVERGUARD FREEDOM TPO APPLICATIONS:</b>								
W-36.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	Note 2 (#14 Fastener only)	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	EverGuard Freedom TPO/ self-adhered	-52.5
<b>EVERGUARD SA TPO APPLICATIONS:</b>								
W-37.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	Note 2 (#14 Fastener only)	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	EverGuard SA TPO/ self-adhered	-52.5
<b>EVERGUARD TPO APPLICATIONS:</b>								
W-38.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	Note 2 (#14 Fastener only)	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, TPO QSA or TPO QSA LV50	-52.5
W-39.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	Min. 3-inch EnergyGuard Ultra	Note 2	1 per 1.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF, 4-inch o.c.	EverGuard TPO / TPO QSA or TPO QSA LV50	-82.5
W-40.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	Min. 3-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	EverGuard TPO / TPO QSA or TPO QSA LV50	-82.5
W-41.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	Min. 3-inch EnergyGuard Ultra	Note 2	1 per 1.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF, 4-inch o.c.	EverGuard TPO / TPO 1121	-120.0
W-42.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	Min. 3-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	EverGuard TPO / TPO 1121	-120.0
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE APPLICATIONS:</b>								
W-43.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	Note 2 (#14 Fastener only)	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-52.5
W-44.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	Min. 3-inch EnergyGuard Ultra	Note 2	1 per 1.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / OB500 (spatter)	-120.0
W-45.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	Min. 3-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / OB500 (spatter)	-120.0

**TABLE 1E: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach	Base	Cap	
<b>EVERGUARD SA TPO:</b>								
W-46.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.45 ft <sup>2</sup>	None	EverGuard SA TPO / self-adhering	-52.5
W-47.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft <sup>2</sup>	None	EverGuard SA TPO / self-adhering	-60.0
<b>EVERGUARD TPO:</b>								
W-48.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.7 ft <sup>2</sup>	None	EverGuard TPO / TPO 1121, TPO 3-Square, TPO QSA or TPO QSA LV50	-37.5*
W-49.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.7 ft <sup>2</sup>	None	EverGuard TPO / TPO 1121, TPO 3-Square, TPO QSA or TPO QSA LV50	-45.0*
W-50.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2 (#14 Fastener only)	1 per 2.7 ft <sup>2</sup>	None	EverGuard TPO / TPO 1121, TPO 3-Square, TPO QSA or TPO QSA LV50	-45.0*
W-51.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.0 ft <sup>2</sup>	None	EverGuard TPO / TPO 1121, TPO 3-Square, TPO QSA or TPO QSA LV50	-45.0*
W-52.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB; 2 ft span	(Optional) One or more layers, any combination	Min. 1-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.0 ft <sup>2</sup>	None	EverGuard TPO / TPO 1121, WB181, TPO 3-Square, TPO QSA or TPO QSA LV50	-45.0*
W-53.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft <sup>2</sup>	None	EverGuard TPO / TPO 1121, TPO 3-Square, TPO QSA or TPO QSA LV50	-52.5
W-54.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.8 ft <sup>2</sup>	None	EverGuard TPO / TPO 1121, TPO 3-Square, TPO QSA or TPO QSA LV50	-52.5
W-55.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft <sup>2</sup>	None	EverGuard TPO / TPO 1121, TPO 3-Square, TPO QSA or TPO QSA LV50	-60.0
W-56.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.6 ft <sup>2</sup>	None	EverGuard TPO / TPO 1121, TPO 3-Square, TPO QSA or TPO QSA LV50	-60.0
W-57.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 1.3 ft <sup>2</sup>	None	EverGuard TPO / TPO 1121, TPO 3-Square, TPO QSA or TPO QSA LV50	-60.0
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE:</b>								
W-58.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.7 ft <sup>2</sup>	None	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-37.5*
W-59.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.7 ft <sup>2</sup>	None	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*
W-60.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2 (#14 Fastener only)	1 per 2.7 ft <sup>2</sup>	None	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*
W-61.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.0 ft <sup>2</sup>	None	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*

**TABLE 1E: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer <a href="#">(Note 13)</a>	Top Insulation Layer			Roof Cover <a href="#">(Note 15)</a>		MDP <a href="#">(psf)</a>
			Type	Fastener <a href="#">(Note 11)</a>	Attach	Base	Cap	
W-62.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB; 2 ft span	(Optional) One or more layers, any combination	Min. 1-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 2.0 ft <sup>2</sup>	None	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*
W-63.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft <sup>2</sup>	None	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-52.5
W-64.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.8 ft <sup>2</sup>	None	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-52.5
W-65.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft <sup>2</sup>	None	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-60.0
W-66.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.6 ft <sup>2</sup>	None	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-60.0
W-67.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #14 with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or Drill-Tec #14 HD Fastener with Drill-Tec 3" Flat Steel Plate	1 per 1.8 ft <sup>2</sup>	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or One or two plies Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt or LRF-XF (spatter) or OB500 (spatter)	-60.0
W-68.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2 (#14 Fastener only)	1 per 1.3 ft <sup>2</sup>	None	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-60.0
W-69.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 with Drill-Tec AccuTrac Flat Plate	1 per 1.3 ft <sup>2</sup>	None	EverGuard TPO Fleece-Back Membrane in hot asphalt	-82.5



**TABLE 1F: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER**

System No.	Deck (Note 1)	Insulation (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Spacing		
W-70.	Min. 19/32-inch OSB; 2 ft span	One or more layers, any combination, prelim. attach (Note 5) (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 2.7 ft <sup>2</sup> (12 parts per 4 x 8 ft board) Fasteners are 8-, 24- and 40-inches from the board's long edge and 12-, 36-, 60- and 84-inches from the board's short edge.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-30.0
W-71.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank atop nominal 2 x 8 inch lumber supports spaced max. 96-inch o.c.	One or more layers, any combination, prelim. attach (Note 5) (Tread Safe = min. 2-inch thick insulation)	Drill-Tec #14 (min. 1-inch embedment into joist) and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate through to wood supports	12-inch o.c. along wood supports, 96-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-30.0
W-72.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank atop nominal 2 x 8 inch lumber supports spaced max. 48-inch o.c.	One or more layers, any combination (Tread Safe = min. 2-inch thick insulation)	Drill-Tec #14 (min. 1-inch embedment into joist) and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate through to wood supports	24-inch o.c. along wood supports, 48-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-37.5
W-73.	Min. 15/32-inch APA rated OSB or APA rated CDX plywood or 1-inch wood plank; 2 ft span	(Optional) One or more layers, any combination (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	18 x 24-inch grid	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-37.5
W-74.	Min. 19/32-inch OSB; 2 ft span	One or more layers, any combination, prelim. attach (Note 5) (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 2.0 ft <sup>2</sup> (16 parts per 4 x 8 ft board) Fasteners are 12- and 36-inches from the board's long edge and 6-, 18-, 30-, 42-, 54-, 66-, 78- and 90-inches from the board's short edge.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-45.0
W-75.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination (Tread Safe = min. 2-inch)	Drill-Tec #14 Fastener and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 2.7 ft <sup>2</sup> (12 parts per 4 x 8 ft board) Fasteners are 6-, 24- and 42-inches from the board's long edge and 12-, 36-, 60- and 84-inches from the board's short edge.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-52.5
W-76.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over nominal No. 2 wood trusses spaced max. 24-inch o.c.	(Optional) One or more layers, any combination (Tread Safe = min. 2-inch thick insulation)	Drill-Tec #14 (min. 1-inch embedment into joist) and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate through to wood supports	36-inch o.c. along wood supports, 24-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-52.5
W-77.	Min. 15/32-inch APA rated plywood; 2 ft span	(Optional) One or more layers, any combination (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	24 x 32-inch grid (6 parts per 4x8 ft board)	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-60.0
W-78.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over nominal No. 2 wood trusses spaced max. 24-inch o.c.	(Optional) One or more layers, any combination (Tread Safe = min. 2-inch thick insulation)	Drill-Tec #14 (min. 1-inch embedment into joist) and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate through to wood supports	24-inch o.c. along wood supports, 24-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-75.0
W-79.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over nominal No. 2 wood trusses spaced max. 24-inch o.c.	(Optional) One or more layers, any combination (Tread Safe = min. 2-inch thick insulation)	Drill-Tec #14 (min. 1-inch embedment into joist) and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate through to wood supports	18-inch o.c. along wood supports, 24-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-82.5

**TABLE 1F: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Insulation <a href="#">(Note 13)</a>	Attachment		Roof Cover <a href="#">(Note 15B)</a>	MDP <a href="#">(psf)</a>
			Fastener <a href="#">(Note 11)</a>	Spacing		
W-80.	Min. 19/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over nominal No. 2 wood trusses spaced max. 24-inch o.c.	(Optional) One or more layers, any combination (Tread Safe = min. 2-inch thick insulation)	Drill-Tec #14 (min. 1-inch embedment into joist) and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate through to wood supports	9-inch o.c. along wood supports, 24-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-90.0
W-81.	Min. 19/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over nominal No. 2 wood trusses spaced max. 24-inch o.c.	One or more layers, any combination, min. 1-inch (Tread Safe = min. 2-inch thick insulation)	Drill-Tec #14 (min. 1-inch embedment into joist) and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate through to wood supports	9-inch o.c. along wood supports, 24-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-105.0

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

System No.	Deck <a href="#">(Note 1)</a>	Insulation <a href="#">(Note 13)</a>		Separator Sheet (Optional)	Roof Cover			MDP <a href="#">(psf)</a>
		Type	Attach <a href="#">(Note 5)</a>		Membrane	Fastener <a href="#">(Note 11)</a>	Attachment	
W-82.	Min. 15/32-inch APA rated OSB or APA rated CDX plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Drill-Tec 2 in. Double Barbed XHD Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
W-83.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 5.5-inch wide laps spaced 114.5-inch o.c. and sealed with a 1.75-inch heat weld.	-45.0
W-84.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB	One or more layers, any combination	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate	6-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
W-85.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 5-inch wide laps spaced 55-inch o.c. and sealed with a 1.75-inch heat weld.	-52.5
W-86.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over No. 2 wood trusses; 2 ft span	One or more layers, any combination	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate fastened through deck to engage wood joists, minimum 1-inch embedment into joist	12-inch o.c. within 6-inch wide laps spaced 48-inch o.c. (over wood joists) and sealed with a 1.5-inch heat weld.	-52.5
W-87.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over No. 2 wood trusses; 2 ft span	One or more layers, any combination	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate fastened through deck to engage wood joists, minimum 1.5-inch embedment into joist	6-inch o.c. within 6-inch wide laps spaced 48-inch o.c. (over wood joists) and sealed with a 1.5-inch heat weld.	-67.5

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

System No.	Deck <a href="#">(Note 1)</a>	Insulation <a href="#">(Note 13)</a>		Separator Sheet (Optional)	Roof Cover			MDP <a href="#">(psf)</a>
		Type	Attach <a href="#">(Note 5)</a>		Membrane	Fastener <a href="#">(Note 11)</a>	Attachment	
W-88.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over No. 2 wood trusses; 2 ft span	One or more layers, any combination	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate fastened through deck to engage wood joists, minimum 1-inch embedment into joist	12-inch o.c. within 6-inch wide laps spaced 48-inch o.c. (over wood joists) and sealed with a 1.5-inch heat weld.	-67.5

**TABLE 1H: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Insulation Layer(s) <a href="#">(Note 13)</a>		Base or Anchor Sheet			Roof Cover	MDP <a href="#">(psf)</a>
		Type	Attach	Base	Fastener <a href="#">(Note 11)</a>	Attach		
W-89.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination	Loose-laid	GAF StormSafe Anchor Sheet (Max. 48-inch wide)	Drill-Tec #14 Fastener with Drill-Tec 3" Steel Plate or Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec #14 HD Fastener with Drill-Tec 3" Flat Steel Plate	18-inch o.c. at min. 4-inch lap and 18-inch o.c. at two, equally spaced, staggered center rows	EverGuard Freedom TPO / self-adhered	-45.0*
W-90.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	One or more layers, any combination	Loose-laid	GAF StormSafe Anchor Sheet (Max. 48-inch wide)	Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec #14 HD Fastener with Drill-Tec 3" Flat Steel Plate	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at two, equally spaced, staggered center rows	EverGuard Freedom TPO / self-adhered	-60.0*

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

System No.	Deck <a href="#">(Note 1)</a>	Separator Sheet (Optional)	Roof Cover			MDP <a href="#">(psf)</a>
			Membrane	Fastener <a href="#">(Note 11)</a>	Attachment	
W-91.	Min. 15/32-inch APA rated OSB or APA rated CDX plywood or 1-inch wood plank; 2 ft span	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Drill-Tec 2 in. Double Barbed XHD Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
W-92.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 5.5-inch wide laps spaced 114.5-inch o.c. and sealed with a 1.75-inch heat weld.	-45.0
W-93.	APA rated, 19/32 CAT, 0.578 in., Exposure 1 OSB	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate	6-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
W-94.	Min. 15/32-inch APA rated plywood; 2 ft span	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
W-95.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 5-inch wide laps spaced 55-inch o.c. and sealed with a 1.75-inch heat weld.	-52.5

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

System No.	Deck <a href="#">(Note 1)</a>	Separator Sheet (Optional)	Roof Cover			MDP (psf)
			Membrane	Fastener <a href="#">(Note 11)</a>	Attachment	
W-96.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over No. 2 wood trusses; 2 ft span	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate fastened through deck to engage wood joists, minimum 1-inch embedment into joist	12-inch o.c. within 6-inch wide laps spaced 48-inch o.c. (over wood joists) and sealed with a 1.5-inch heat weld.	-60.0
W-97.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over No. 2 wood trusses; 2 ft span	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 in. Double Barbed XHD Plate fastened through deck to engage wood joists, minimum 1.5-inch embedment into joist	6-inch o.c. within 6-inch wide laps spaced 48-inch o.c. (over wood joists) and sealed with a 1.5-inch heat weld.	-67.5
W-98.	Min. 15/32-inch plywood, min. 19/32-inch OSB or 1-inch wood plank over No. 2 wood trusses; 2 ft span	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2-3/4 in. Barbed SXHD Plate fastened through deck to engage wood joists, minimum 1-inch embedment into joist	12-inch o.c. within 6-inch wide laps spaced 48-inch o.c. (over wood joists) and sealed with a 1.5-inch heat weld.	-75.0

**TABLE 1: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Base Sheet			Roof Cover <a href="#">(Note 15)</a>		MDP (psf)
		Base	Fastener <a href="#">(Note 11)</a>	Attach	Base	Cap	
<b>EVERGUARD FREEDOM TPO:</b>							
W-99.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAF StormSafe Anchor Sheet (Max. 40-inch wide or lapped to produce max. 36-inch wide lap-to-lap spacing)	32 ga., 1-5/8-inch diameter tin caps with 11 ga. annular ring shank nails (new or reroof only; no recover)	9-inch o.c. at min. 4-inch lap and 9-inch o.c. at two, equally spaced, staggered center rows	None	EverGuard Freedom TPO	-45.0
W-100.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAF StormSafe Anchor Sheet (Max. 48-inch wide)	32 ga., 1-5/8-inch diameter tin caps with 12 ga. x 1.25-inch annular ring shank nails (new or reroof only; no recover)	6-inch o.c. at min. 4-inch lap and 6-inch o.c. at two, equally spaced, staggered center rows	None	EverGuard Freedom TPO	-45.0*
W-101.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAF StormSafe Anchor Sheet (Max. 48-inch wide)	Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec #14 HD Fastener with Drill-Tec 3" Flat Steel Plate	18-inch o.c. at min. 4-inch lap and 18-inch o.c. at two, equally spaced, staggered center rows	None	EverGuard Freedom TPO	-45.0*
W-102.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAF StormSafe Anchor Sheet (Max. 48-inch wide)	Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec #14 HD Fastener with Drill-Tec 3" Flat Steel Plate	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at two, equally spaced, staggered center rows	None	EverGuard Freedom TPO	-67.5*
W-103.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAF StormSafe Anchor Sheet (Max. 40-inch wide or lapped to produce max. 36-inch wide lap-to-lap spacing)	Drill-Tec #12 or #14 Fastener with Drill-Tec 3" Steel Plate or Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec #14 HD Fastener with Drill-Tec 3" Flat Steel Plate	8-inch o.c. at min. 4-inch lap and 8-inch o.c. at three, equally spaced, staggered center rows	None	EverGuard Freedom TPO	-105.0*
<b>HYBRID SYSTEM:</b>							

**TABLE 1: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Base	Fastener (Note 11)	Attach	Base	Cap	
W-104.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	8-inch o.c. at min. 4-inch laps and 8-inch o.c. in two, equally spaced, staggered center rows	(Optional) One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt	-45.0
W-105.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	9-inch o.c. at min. 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	(Optional) One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt	-45.0
W-106.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	6-inch o.c. at min. 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	(Optional) One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt	-52.5
W-107.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	16-inch o.c. at 4-inch laps and 16-inch o.c. in two, equally spaced, staggered center rows	(Optional) One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt	-52.5
W-108.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	12-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt	-60.0
W-109.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	(Optional) One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt	-75.0
W-110.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails (new or reroof only; no recover)	4-inch o.c. at min. 2-inch laps and 4-inch o.c. at four (4), equally spaced, staggered center rows	Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth / hot asphalt or Ruberoid HW Smooth, Ruberoid HW 25 Smooth / torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt	-97.5
W-111.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	8-inch o.c. at 4-inch laps and 8-inch o.c. in three, equally spaced, staggered center rows	(Optional) One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt	-97.5
W-112.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	8-inch o.c. at min. 4-inch laps and 8-inch o.c. in two, equally spaced, staggered center rows	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in LRF-XF (spatter) or OB500 (spatter)	-45.0

**TABLE 1: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Base	Fastener (Note 11)	Attach	Base	Cap	
W-113.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	9-inch o.c. at min. 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in LRF-XF (spatter) or OB500 (spatter)	-45.0
W-114.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	6-inch o.c. at min. 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in LRF-XF (spatter) or OB500 (spatter)	-52.5
W-115.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	16-inch o.c. at 4-inch laps and 16-inch o.c. in two, equally spaced, staggered center rows	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in LRF-XF (spatter) or OB500 (spatter)	-52.5
W-116.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	12-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in LRF-XF (spatter) or OB500 (spatter)	-60.0
W-117.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 12 ga. annular ring shank nails (new or reroof only; no recover)	8-inch o.c. at the 4-inch lap and 8-inch o.c. in three staggered center rows	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in LRF-XF (spatter) or OB500 (spatter)	-75.0
W-118.	Min. 19/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	32 ga., 1-5/8-inch dia. tin caps with 11 ga. annular ring shank nails (new or reroof only; no recover)	4-inch o.c. at min. 2-inch laps and 4-inch o.c. at four (4), equally spaced, staggered center rows	Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth / hot asphalt or Ruberoid HW Smooth, Ruberoid HW 25 Smooth / torch-applied	EverGuard TPO Fleece-Back Membrane in LRF-XF (spatter)	-97.5
W-119.	Min. 15/32-inch plywood or 1-inch wood plank; 2 ft span	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Note 2 (#14 ONLY)	8-inch o.c. at 4-inch laps and 8-inch o.c. in three, equally spaced, staggered center rows	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in LRF-XF (spatter)	-97.5

**TABLE 2A: STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Insulation		Roof Cover (Note 15)	MDP (psf)
		Type	Attach (Notes 6,7,8)		
<b>EVERGUARD TPO:</b>					
S-1.	Min. 22 ga., type B, Grade 40 steel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M or OB500, 6" o.c.	EverGuard TPO / TPO QSA or TPO QSA LV50	-82.5
S-2.	Min. 22 ga., type B, Grade 40 steel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M or OB500, 6" o.c.	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-120.0
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN SPATTER APPLICATIONS:</b>					
S-3.	Min. 22 ga., type B, Grade 40 steel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M or OB500, 6" o.c.	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-120.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)		
<b>EVERGUARD FREEDOM TPO:</b>								
S-4.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard Freedom TPO / self-adhered	-37.5*
S-5.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RH	Note 2	1 per 2.9 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard Freedom TPO / self-adhered	-37.5*
S-6.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA, EnergyGuard RN or EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	OB500	EverGuard Freedom TPO/ self-adhered	-45.0*
S-7.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA, EnergyGuard RN or EnergyGuard RH	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	OB500	EverGuard Freedom TPO/ self-adhered	-45.0*
S-8.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	LRF-M or OB500	EverGuard Freedom TPO/ self-adhered	-45.0*
S-9.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board	LRF-M or OB500	EverGuard Freedom TPO/ self-adhered	-45.0*
S-10.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-M or OB500	EverGuard Freedom TPO/ self-adhered	-45.0*
S-11.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-M or OB500	EverGuard Freedom TPO/ self-adhered	-45.0*
S-12.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	EverGuard Freedom TPO/ self-adhered	-52.5

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

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-13.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA EnergyGuard RN or EnergyGuard RH	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard Freedom TPO/ self-adhered	-60.0
S-14.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA or EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard Freedom TPO/ self-adhered	-45.0*
S-15.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA or EnergyGuard RH	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard Freedom TPO/ self-adhered	-45.0*
S-16.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard Freedom TPO/ self-adhered	-45.0*
S-17.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard Freedom TPO/ self-adhered	-45.0*
S-18.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-XF	EverGuard Freedom TPO/ self-adhered	-45.0*
S-19.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-XF	EverGuard Freedom TPO/ self-adhered	-45.0*
S-20.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard Freedom TPO/ self-adhered	-52.5
S-21.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA or EnergyGuard RH	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard Freedom TPO/ self-adhered	-60.0
<b>EVERGUARD SA TPO:</b>								
S-22.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard SA TPO / self-adhered	-37.5*
S-23.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RH	Note 2	1 per 2.9 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard Freedom SA / self-adhered	-37.5*
S-24.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA, EnergyGuard RN or EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard SA TPO / self-adhered	-45.0*
S-25.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA, EnergyGuard RN or EnergyGuard RH	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard SA TPO / self-adhered	-45.0*



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

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-26.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	EverGuard SA TPO / self-adhered	-45.0*
S-27.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	EverGuard SA TPO / self-adhered	-45.0*
S-28.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional layers, min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M or OB500	EverGuard SA TPO / self-adhered	-45.0*
S-29.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional layers, min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M or OB500	EverGuard SA TPO / self-adhered	-45.0*
S-30.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	EverGuard SA TPO / self-adhered	-52.5
S-31.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA EnergyGuard RN or EnergyGuard RH	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard SA TPO / self-adhered	-60.0
S-32.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA or EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard SA TPO / self-adhered	-45.0*
S-33.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA or EnergyGuard RH	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard SA TPO / self-adhered	-45.0*
S-34.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard SA TPO / self-adhered	-45.0*
S-35.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard SA TPO / self-adhered	-45.0*
S-36.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional layers, min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-XF	EverGuard SA TPO / self-adhered	-45.0*
S-37.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional layers, min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-XF	EverGuard SA TPO / self-adhered	-45.0*
S-38.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard SA TPO / self-adhered	-52.5
S-39.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA or EnergyGuard RH	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard SA TPO / self-adhered	-60.0

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

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
<b>EVERGUARD TPO:</b>								
S-40.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard RA or EnergyGuard RN	Note 2	1 per 2.0 ft <sup>2</sup>	Additional layers of base insulation	Hot asphalt	EverGuard TPO / TPO 1121, TPO 3-Square, WB181	-45.0*
S-41.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA or EnergyGuard RN	Note 2	1 per 4.0 ft <sup>2</sup>	Additional layers of base insulation	Hot asphalt	EverGuard TPO / TPO 1121, TPO 3-Square, WB181	-45.0*
S-42.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-37.5*
S-43.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-37.5*
S-44.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RH	Note 2	1 per 2.9 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-37.5*
S-45.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	One or more layers of Base Insulation or min. 0.5-inch thick DensDeck or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-46.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck	Note 2	1 per 2.0 ft <sup>2</sup>	One or more layers, min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	EverGuard TPO / TPO 1121, TPO 3-Square, WB181	-45.0*
S-47.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.5-inch Fiber Base HD1, Fiber Base HD6	OB500	EverGuard TPO / WB181	-45.0*
S-48.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square	-45.0*
S-49.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	LRF-M or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square	-45.0*
S-50.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	LRF-M or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square	-45.0*
S-51.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA, EnergyGuard RN or EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*

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

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-52.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA, EnergyGuard RN or EnergyGuard RH	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-53.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-54.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-55.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-56.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-57.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-M or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-58.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-M or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-59.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square	-52.5
S-60.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA, EnergyGuard RN or EnergyGuard RH	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-60.0
S-61.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-60.0
S-62.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 3-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	EverGuard TPO / TPO 1121	-120.0
S-63.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-60.0

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

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-64.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA or EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-65.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA or EnergyGuard RH	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-66.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-67.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-68.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-69.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-70.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-71.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-72.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square	-52.5
S-73.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA or EnergyGuard RH	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-60.0
S-74.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard RH	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-60.0
<b>EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY OR EVERGUARD TPO QUICK SPRAY LV 50:</b>								
S-75.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard RA	Note 2	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-37.5*

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

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-76.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck	Note 2	1 per 2.0 ft <sup>2</sup>	One or more layers, min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-77.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA, EnergyGuard RN or EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-78.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA, EnergyGuard RN or EnergyGuard RH	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-79.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-80.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-81.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-82.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-83.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-M or OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-84.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-M or OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-85.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-52.5
S-86.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA, EnergyGuard RN or EnergyGuard RH	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-60.0
S-87.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-60.0

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

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-88.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO QSA or TPO QSA LV50	-60.0
S-89.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 3-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	EverGuard TPO / TPO QSA or TPO QSA LV50	-82.5
S-90.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA or EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-91.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA or EnergyGuard RH	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-92.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-93.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-94.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-95.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-96.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-XF	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-97.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-XF	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-98.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO QSA or TPO QSA LV50	-52.5
S-99.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard RA or EnergyGuard RH	Note 2	1 per 1.6 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO QSA or TPO QSA LV50	-60.0
S-100.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard RH	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO QSA or TPO QSA LV50	-60.0

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

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN EVERGUARD WB 181 BONDING ADHESIVE:</b>								
S-101.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-102.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-103.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-104.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 1.5-inch base insulation followed by 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-105.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-37.5*
S-106.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-107.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-108.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-60.0
S-109.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-110.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-111.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-112.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*

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

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-113.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-60.0
S-114.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-115.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Additional optional layers, min. 0.5-inch base insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-116.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard RH	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / WB181	-60.0
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN LRF ADHESIVE M OR LRF ADHESIVE O:</b>								
S-117.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 3.2 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-30.0*
S-118.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 3.2 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-30.0*
S-119.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
S-120.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0*
S-121.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
S-122.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0*
S-123.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.0 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-45.0*
S-124.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.0 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-45.0*
S-125.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.9 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-45.0*



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

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-126.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.9 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-45.0*
S-127.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-60.0
S-128.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 3.2 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-30.0*
S-129.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 3.2 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-30.0*
S-130.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
S-131.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0*
S-132.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
S-133.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0*
S-134.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.0 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-45.0*
S-135.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.0 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-45.0*
S-136.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.9 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-45.0*
S-137.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.9 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-45.0*
S-138.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-60.0

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

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-139.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Note 2	1 per 3.2 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-30.0*
S-140.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Note 2	1 per 3.2 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-30.0*
S-141.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-45.0*
S-142.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-45.0*
S-143.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Note 2	1 per 2.9 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-45.0*
S-144.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Note 2	1 per 2.9 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-45.0*
S-145.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard RH	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-60.0
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN SPATTER APPLICATIONS:</b>								
S-146.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 3.2 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-30.0*
S-147.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.0 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-148.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.9 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-149.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-52.5
S-150.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft <sup>2</sup>	Min. 1.5-inch x max. 4x4 ft base insulation	OB500	EverGuard TPO Fleece-Back Membrane / OB500 (spatter)	-60.0

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

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-151.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft <sup>2</sup>	Optional layers of min. 1.5-inch x max. 4x4 ft base insulation followed by min. 0.25-inch x max. 4x4 ft DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch x max. 4x4 ft EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / OB500 (spatter)	-60.0
S-152.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-60.0
S-153.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or or min. 0.5-inch x max. 4x4 ft EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / OB500 (spatter)	-67.5
S-154.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 3-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	Note 2	1 per 1.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / OB500 (spatter)	-120.0
S-155.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 3.2 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck, DEXcell FA Glass Mat Roof Board Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-30.0*
S-156.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.0 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-157.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.9 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-158.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-52.5
S-159.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-60.0
S-160.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Note 2	1 per 3.2 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-30.0*
S-161.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-162.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Note 2	1 per 2.9 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*

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

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-163.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-52.5
S-164.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard RH	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-60.0

**TABLE 2c: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED BASE AND CAP PLY**

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>		MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>	Base Ply	Cap Ply	
<b>ASPHALT-APPLIED BASE PLY:</b>									
S-165.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	Optional layers of base insulation followed by Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth or Ruberoid Mop Smooth 1.5 / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt	-45.0*
S-166.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA, EnergyGuard RN	Note 2	1 per 4.0 ft <sup>2</sup>	Optional layers of base insulation followed by Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth or Ruberoid Mop Smooth 1.5 / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt	-45.0*
S-167.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	Optional layers of min. 0.5-inch base insulation followed by Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth or Ruberoid Mop Smooth 1.5 / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt	-45.0*
S-168.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA	Note 2	1 per 5.3 ft <sup>2</sup>	Optional layers of min. 1.5-inch base insulation followed by Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth or Ruberoid Mop Smooth 1.5 / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt	-45.0*

**TABLE 2c: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED BASE AND CAP PLY**

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
S-169.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA or EnergyGuard RN	Note 2	1 per 2.0 ft <sup>2</sup>	Optional layers of base insulation followed by Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth or Ruberoid Mop Smooth 1.5 / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt	-45.0*
S-170.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA or EnergyGuard RN	Note 2	1 per 4.0 ft <sup>2</sup>	Optional layers of min. 1.5-inch base insulation followed by Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth or Ruberoid Mop Smooth 1.5 / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt	-45.0*
S-171.	Min. 22 ga., Type B, Grade 33 steel, or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RM or EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	Ruberoid 20 Smooth / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-60.0
S-172.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 1.5-inch EnergyGuard RA	Note 2	1 per 2.0 ft <sup>2</sup>	Optional layers of base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth or Ruberoid Mop Smooth 1.5 / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt	-45.0*
S-173.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft <sup>2</sup>	Optional layers of min. 1.5-inch base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, Ruberoid 20 Smooth, Ruberoid Mop Smooth or Ruberoid Mop Smooth 1.5 / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt	-45.0*
S-174.	Min. 22 ga., Type B, Grade 33 steel, or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard RH	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	Ruberoid 20 Smooth / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-60.0
<b>TORCH-APPLIED BASE PLY:</b>									
S-175.	Min. 22 ga., Type B, Grade 33 steel, or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RM or EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	Ruberoid HW 25 Smooth / torch-applied	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-60.0
S-176.	Min. 22 ga., Type B, Grade 33 steel, or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard RH	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	Ruberoid HW 25 Smooth / torch-applied	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-60.0
<b>SELF-ADHERING BASE PLY:</b>									

**TABLE 2c: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED BASE AND CAP PLY**

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>		MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>	Base Ply	Cap Ply	
S-177.	Min. 22 ga., Type B, Grade 33 steel, or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RM or EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	Liberty SBS Self-Adhering Cap Sheet / self-adhered	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-60.0
S-178.	Min. 22 ga., Type B, Grade 33 steel, or min. 2,500 psi structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard RH	Note 2	1 per 1.3 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	Liberty SBS Self-Adhering Cap Sheet / self-adhered	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-60.0

**TABLE 2d: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**  
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Thermal Barrier			Temp Roof	Insulation Layer(s)		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach		Type	Attach <a href="#">(Notes 6,7,8)</a>		
<b>EVERGUARD FREEDOM TPO:</b>									
S-179.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.7 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet, self-adhering	Min. 1.5-inch EnergyGuard RH followed by Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard Freedom TPO / self-adhered	-45.0*
S-180.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN (Optional) Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard Freedom TPO / self-adhered	-45.0*
S-181.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	GAF SA Vapor Retarder XL, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN (Optional) Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard Freedom TPO / self-adhered	-45.0*

**TABLE 2d: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**  
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Thermal Barrier			Temp Roof	Insulation Layer(s)		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach		Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-182.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, LRF-XF or OB500	EverGuard Freedom TPO / self-adhered	-45.0*
S-183.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	GAF SA Vapor Retarder XL, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board or SECUROCK Ultralight Coated Glass-Mat Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, LRF-XF or OB500	EverGuard Freedom TPO / self-adhered	-45.0*
S-184.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA or TPO QSA LV50 Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	EverGuard Freedom TPO / self-adhered	-60.0
<b>EVERGUARD SA TPO:</b>									
S-185.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.7 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet, self-adhering	Min. 1.5-inch EnergyGuard RH followed by Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard SA TPO / self-adhered	-45.0*
S-186.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard SA TPO / self-adhered	-45.0*
S-187.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	GAF SA Vapor Retarder XL, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard SA TPO / self-adhered	-45.0*

**TABLE 2d: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**  
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Thermal Barrier			Temp Roof	Insulation Layer(s)		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach		Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-188.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, LRF-XF or OB500	EverGuard SA TPO / self-adhered	-45.0*
S-189.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	GAF SA Vapor Retarder XL, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, LRF-XF or OB500	EverGuard SA TPO / self-adhered	-45.0*
S-190.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA or TPO QSA LV50 Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	EverGuard SA TPO / self-adhered	-60.0
<b>EVERGUARD TPO:</b>									
S-191.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.7 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet, self-adhering	Min. 1.5-inch EnergyGuard RH followed by Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-192.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.7 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet, self-adhering	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-193.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.7 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet, self-adhering	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-194.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.625-inch DensDeck	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	Two plies GAFGLAS Ply 4, GAFGLAS Ply 4 M, applied in hot asphalt	Min. 1.5-inch EnergyGuard RA	hot asphalt or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square	-45.0*
S-195.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.7 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet, self-adhering	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*



**TABLE 2d: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**  
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Thermal Barrier			Temp Roof	Insulation Layer(s)		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach		Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-196.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.7 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet, self-adhering	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-197.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-198.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	GAF SA Vapor Retarder XL, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-199.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, LRF-XF or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-200.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	GAF SA Vapor Retarder XL, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, LRF-XF or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
S-201.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA or TPO QSA LV50 Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime	LRF-M, LRF-XF or OB500	EverGuard TPO / TPO 6-Square	-52.5

**TABLE 2d: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**  
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Thermal Barrier			Temp Roof	Insulation Layer(s)		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach		Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-202.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA or TPO QSA LV50 Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime	LRF-M, LRF-XF or OB500	EverGuard TPO / TPO 1121, TPO 3-Square, WB181	-67.5
S-203.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA or TPO QSA LV50 Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-67.5
<b>EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY ADHESIVE OR EVERGUARD TPO QUICK SPRAY LV 50:</b>									
S-204.	Min. 22 ga., Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.7 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet, self-adhering	Insulation: Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA Coverboard: (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-205.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering	Insulation: Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA Coverboard: (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-206.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	GAF SA Vapor Retarder XL, self-adhering	Insulation: Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA Coverboard: (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-45.0*
S-207.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA or TPO QSA LV50 Vapor Retarder: GAF SA Vapor Retarder, self-adhering	Insulation: Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	EverGuard TPO / TPO QSA or TPO QSA LV50	-67.5
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE:</b>									
S-208.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.7 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet, self-adhering	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*

**TABLE 2d: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**  
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Thermal Barrier			Temp Roof	Insulation Layer(s)		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach		Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-209.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.7 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet, self-adhering	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-210.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.7 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet, self-adhering	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
S-211.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.7 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet, self-adhering	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
S-212.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.7 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet, self-adhering	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0*
S-213.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.7 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet, self-adhering	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH followed by min. 0.25-inch DensDeck Prime	OB500	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0*
S-214.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	EverGuard TPO Fleece-Back Membrane / WB181, LRF-M (12-inch o.c.), LRF-O (12-inch o.c.), LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-215.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN (Optional) Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M or OB500	EverGuard TPO Fleece-Back Membrane / LRF-M (12-inch o.c.), LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-216.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	GAF SA Vapor Retarder XL, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	EverGuard TPO Fleece-Back Membrane / WB181, LRF-M (12-inch o.c.), LRF-O (12-inch o.c.), LRF-XF (spatter) or OB500 (spatter)	-45.0*

**TABLE 2d: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)**  
**SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Thermal Barrier			Temp Roof	Insulation Layer(s)		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach		Type	Attach <a href="#">(Notes 6,7,8)</a>		
S-217.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	GAF SA Vapor Retarder XL, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard RN (Optional) Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M or OB500	EverGuard TPO Fleece-Back Membrane / LRF-M (12-inch o.c.), LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-218.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	EverGuard TPO Fleece-Back Membrane / WB181, LRF-M (12-inch o.c.), LRF-O (12-inch o.c.), LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-219.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA, TPO QSA LV50 or Matrix 307 Premium Asphalt Primer Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M, LRF-XF or OB500	EverGuard TPO Fleece-Back Membrane / LRF-M (12-inch o.c.), LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-220.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	GAF SA Vapor Retarder XL, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	EverGuard TPO Fleece-Back Membrane / WB181, LRF-M (12-inch o.c.), LRF-O (12-inch o.c.), LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-221.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 4.0 ft <sup>2</sup>	GAF SA Vapor Retarder XL, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation (Optional) Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M, LRF-XF or OB500	EverGuard TPO Fleece-Back Membrane / LRF-M (12-inch o.c.), LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-222.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA or TPO QSA LV50 Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime	LRF-M, LRF-XF or OB500	EverGuard TPO Fleece-Back Membrane / WB181	-52.5
S-223.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 ( <i>Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used</i> ) (no recessed plate)	1 per 2.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA or TPO QSA LV50 Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation	LRF-M, LRF-XF or OB500	EverGuard TPO Fleece-Back Membrane / LRF-M (12-inch o.c.), LRF-O (12-inch o.c.), LRF-XF (spatter) or OB500 (spatter)	-60.0

TABLE 2d: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF)									
SYSTEM TYPE B-2: MECHANICALLY ATTACHED THERMAL BARRIER, BONDED TEMP ROOF, BONDED TOP INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Thermal Barrier			Temp Roof	Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 11)	Attach		Type	Attach (Notes 6,7,8)		
S-224.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 (Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used) (no recessed plate)	1 per 2.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA or TPO QSA LV50 Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch DensDeck Prime	LRF-M, LRF-XF or OB500	EverGuard TPO Fleece-Back Membrane / LRF-M (12-inch o.c.) or LRF-O (12-inch o.c.)	-60.0
S-225.	Min. 22 ga., Type B, Grade 33 steel	0.5-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	Note 2 (Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) may be used) (no recessed plate)	1 per 2.0 ft <sup>2</sup>	Primer: GAF SA Primer, TPO QSA or TPO QSA LV50 Vapor Retarder: GAF SA Vapor Retarder, self-adhering	One or more layers, base layer min. 1-inch thick, optional subsequent layer(s) min. 1.5-inch thick EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M, LRF-XF or OB500	EverGuard TPO Fleece-Back Membrane / WB181, LRF-M (4-inch o.c.), LRF-O (4-inch o.c.), LRF-XF (spatter) or OB500 (spatter)	-67.5

TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER							
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
<b>EVERGUARD FREEDOM TPO:</b>							
S-226.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 6 parts per min. 4 x 8 ft board with parts installed 36-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 5.3 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-30.0*
S-227.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-30.0*
S-228.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.7 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-37.5*
S-229.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 2.7 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-37.5*
S-230.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA, EnergyGuard RN, or EnergyGuard Ultra	Note 2	1 per 3.2 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-231.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
S-232.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
S-233.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 8 parts per min. 4 x 8 ft board with parts installed 24-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 4.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
S-234.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 3.2 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
S-235.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
S-236.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 2.7 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
S-237.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA, EnergyGuard RN, or EnergyGuard Ultra	Note 2	1 per 1.3 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-52.5
S-238.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA, EnergyGuard RN, or EnergyGuard Ultra	Note 2 (#14 only)	1 per 2.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-52.5
S-239.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.3 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-52.5
S-240.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime	Drill-Tec #12 (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in Ribbed Galvalume Plate (Flat) or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.45 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-60.0

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-241.	Min. 20 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in Ribbed Galvalume Plate (Flat) or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.3 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-60.0
S-242.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-60.0
S-243.	Min. 20 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in Ribbed Galvalume Plate (Flat) or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.45 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-75.0
S-244.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.45 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-75.0
<b>EVERGUARD SA TPO:</b>							
S-245.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2 6 parts per min. 4 x 8 ft board with parts installed 36-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 5.3 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-30.0*
S-246.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch DensDeck Prime	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate	1 per 4.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-30.0*
S-247.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate	1 per 4.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-30.0*
S-248.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Note 2 8 parts per min. 4 x 8 ft board with parts installed 24-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 4.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-37.5*
S-249.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA	Note 2	1 per 2.7 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-37.5*
S-250.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Note 2	1 per 2.9 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-45.0*
S-251.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-45.0*

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

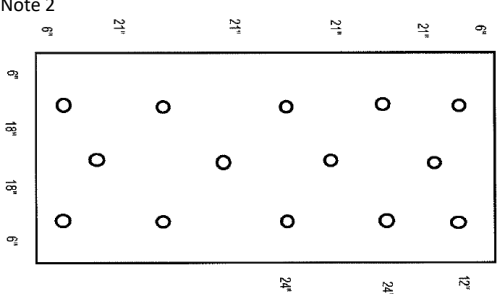
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-252.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-45.0*
S-253.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2 8 parts per min. 4 x 8 ft board with parts installed 24-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 4.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-45.0*
S-254.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate	1 per 4.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-45.0*
S-255.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch DensDeck Prime	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-45.0
S-256.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-45.0
S-257.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Note 2	1 per 1.3 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-52.5
S-258.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Note 2 (#14 only)	1 per 2.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-52.5
S-259.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.45 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-52.5
S-260.	Min. 20 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in Ribbed Galvalume Plate (Flat) or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.3 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-60.0
S-261.	Min. 20 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in Ribbed Galvalume Plate (Flat) or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.45 ft <sup>2</sup>	EverGuard SA TPO / self-adhering	-75.0
<b>EVERGUARD TPO / EVERGUARD TPO 1121 BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:</b>							
S-262.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 3.2 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-30.0*



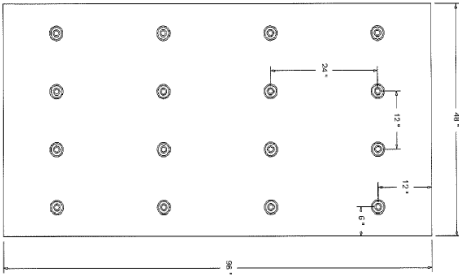
**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer <a href="#">(Note 13)</a>	Top Insulation Layer			Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
			Type	Fasten <a href="#">(Note 11)</a>	Attach		
S-263.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 6 parts per min. 4 x 8 ft board with parts installed 36-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 5.3 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-30.0*
S-264.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-30.0*
S-265.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-37.5*
S-266.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-37.5*
S-267.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 ( <i>Drill-Tec 3" Standard Steel Plate only</i> )	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-268.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 ( <i>Drill-Tec 3" Steel Plate or Drill-Tec 3" Flat Steel Plate only</i> )	1 per 2.13 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-269.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-270.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch DensDeck or DensDeck Prime	Note 2	1 per 3.2 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-271.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch DensDeck or DensDeck Prime	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-272.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-273.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-274.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 3.2 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*

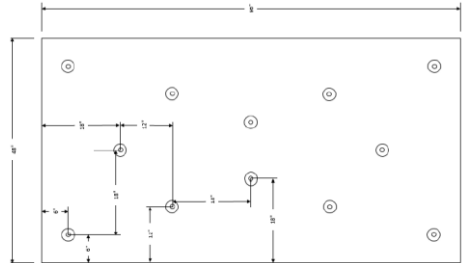
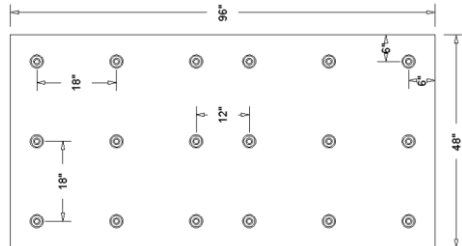
**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-275.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-276.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 7/16-inch OSB	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-277.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 7/16-inch OSB	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-278.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-279.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-280.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 	1 per 2.3 ft <sup>2</sup> (14 parts per 4x8 ft board)	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0
S-281.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 8 parts per min. 4 x 8 ft board with parts installed 24-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-282.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*

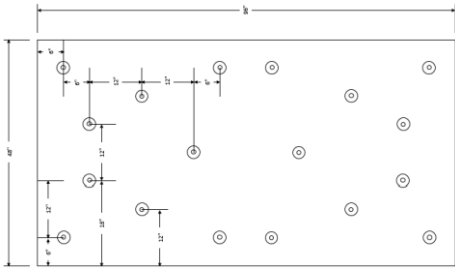
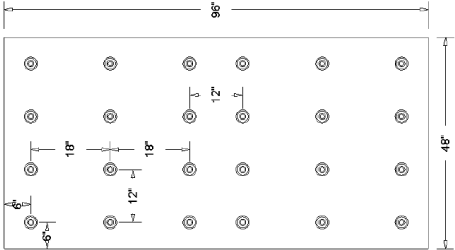
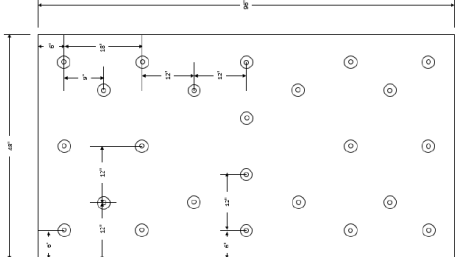
**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-283.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-52.5
S-284.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-60.0
S-285.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation	Note 2 	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-60.0
S-286.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RH	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-67.5
S-287.	Min. 20 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Drill-Tec #12 (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in Ribbed Galvalume Plate	1 per 1.6 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-67.5
S-288.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-67.5
S-289.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Structodek High Density Roof Fiberboard	Note 2	1 per 1.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-67.5
S-290.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, min. 1.5-inch top insulation	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener or Drill-Tec XHD Fastener with Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec AccuTrac Recessed Plate or Drill-Tec #12 DP Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DPH Fastener with Drill-Tec 3" Recessed Steel Plate	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / TPO 1121	-82.5

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-291.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO 1121	-82.5
S-292.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO 1121	-82.5
S-293.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-97.5
S-294.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO 1121	-97.5

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-295.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 (steel only), #14 or XHD with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121	-127.5
S-296.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO 1121	-127.5
S-297.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft <sup>2</sup>	EverGuard TPO / TPO 1121	-135.0
S-298.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft <sup>2</sup>	EverGuard TPO / TPO 1121	-142.5

EVERGUARD TPO / EVERGUARD WB181 BONDING ADHESIVE:

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-299.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 3.2 ft <sup>2</sup>	EverGuard TPO / WB181	-30.0*
S-300.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 6 parts per min. 4 x 8 ft board with parts installed 36-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 5.3 ft <sup>2</sup>	EverGuard TPO / WB181	-30.0*
S-301.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / WB181	-30.0*
S-302.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / WB181	-37.5*
S-303.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-304.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch DensDeck Prime	Note 2	1 per 3.2 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-305.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-306.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch DensDeck Prime	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-307.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-308.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 3.2 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-309.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

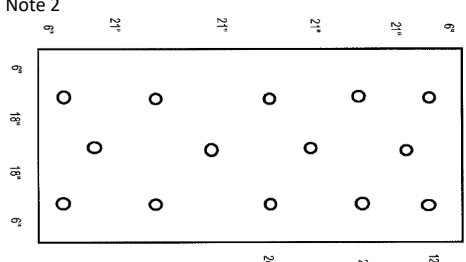
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-310.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-311.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN or EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-312.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 8 parts per min. 4 x 8 ft board with parts installed 24-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-313.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA, EnergyGuard RN or EnergyGuard RH	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-314.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / WB181	-52.5
S-315.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / WB181	-52.5
S-316.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft <sup>2</sup>	EverGuard TPO / WB181	-67.5
S-317.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation, Fiber Base HD1 or Fiber Base HD6	Note 2	1 per 1.0 ft <sup>2</sup>	EverGuard TPO / WB181	-67.5
S-318.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 (steel only), #14 or XHD with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.6 ft <sup>2</sup>	EverGuard TPO / WB181	-75.0
S-319.	Min. 22 ga., Type B, Grade 33 steel; 6' spans, #12 HWH Tek's 5 screws 6" o.c.	(Optional) One or more layers, min. 1.5-inch top insulation	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener or Drill-Tec XHD Fastener with Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec AccuTrac Recessed Plate or Drill-Tec #12 DP Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DPH Fastener with Drill-Tec 3" Recessed Steel Plate	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / WB181	-82.5

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

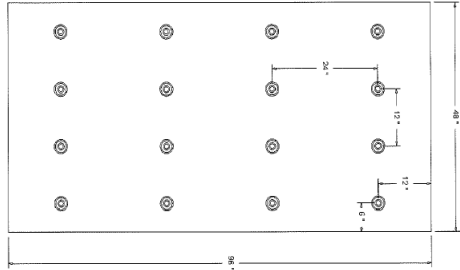
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-320.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 (steel only), #14 or XHD with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.0 ft <sup>2</sup>	EverGuard TPO / WB181	-82.5
S-321.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 (steel only), #14 or XHD with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.0 ft <sup>2</sup>	EverGuard TPO / WB181	-127.5
<b>EVERGUARD TPO / EVERGUARD TPO 6 SQUARE LOW VOC BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:</b>							
S-322.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 3.2 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-30.0*
S-323.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 6 parts per min. 4 x 8 ft board with parts installed 36-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 5.3 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-30.0*
S-324.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-30.0*
S-325.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-37.5*
S-326.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-37.5*
S-327.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 (Drill-Tec 3" Standard Steel Plate only)	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-328.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 (Drill-Tec 3" Steel Plate or Drill-Tec 3" Flat Steel Plate only)	1 per 2.13 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-329.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-330.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch DensDeck Prime	Note 2	1 per 3.2 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-331.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch DensDeck Prime	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*



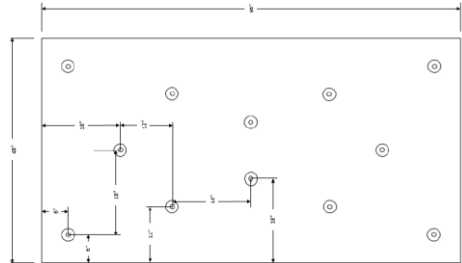
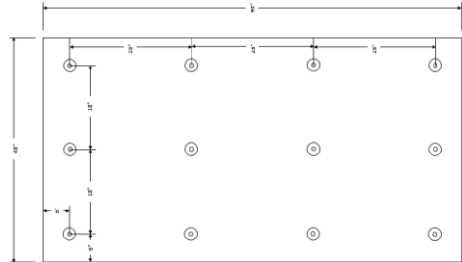
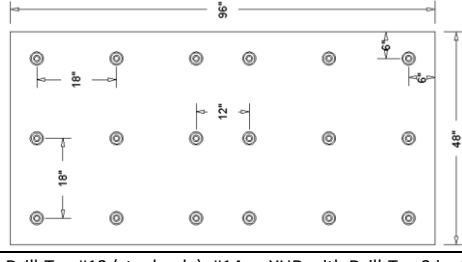
**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-332.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-333.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-334.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0
S-335.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 3.2 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-336.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-337.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-338.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard Ultra	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-339.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 	1 per 2.3 ft <sup>2</sup> (14 parts per 4x8 ft board)	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0

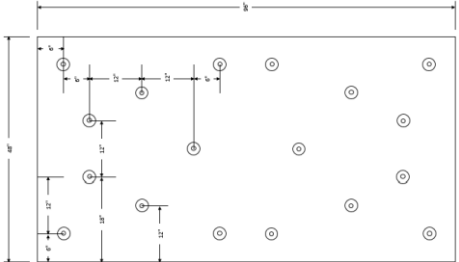
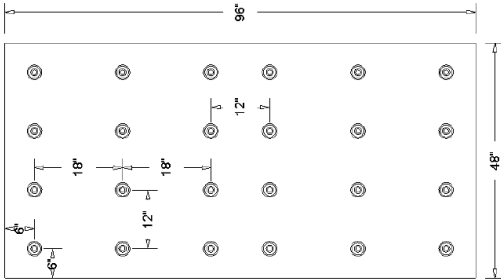
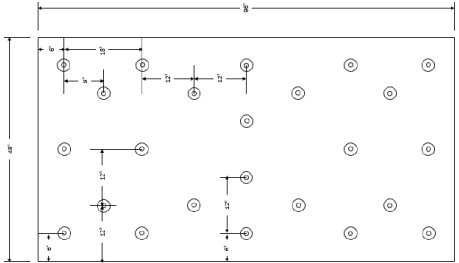
**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-340.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 8 parts per min. 4 x 8 ft board with parts installed 24-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-341.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH or EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-342.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-52.5
S-343.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-60.0
S-344.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation	Note 2 	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-60.0
S-345.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RH	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-67.5
S-346.	Min. 20 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec #12 (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in Ribbed Galvalume Plate	1 per 1.6 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-67.5
S-347.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-67.5
S-348.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch Structodek High Density Roof Fiberboard	Note 2	1 per 1.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-67.5
S-349.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 (steel only), #14 or XHD with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.6 ft <sup>2</sup>	EverGuard TPO / TPO 3-Square	-75.0

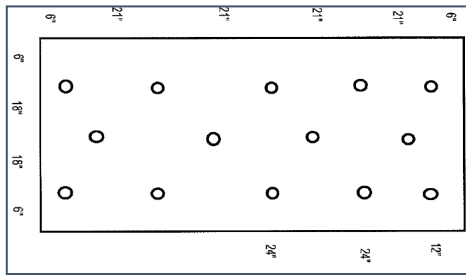
**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-350.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square	-82.5
S-351.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square	-82.5
S-352.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square	-97.5
S-353.	Min. 22 ga., Type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 (steel only), #14 or XHD with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.0 ft <sup>2</sup>	EverGuard TPO / TPO 3-Square	-127.5

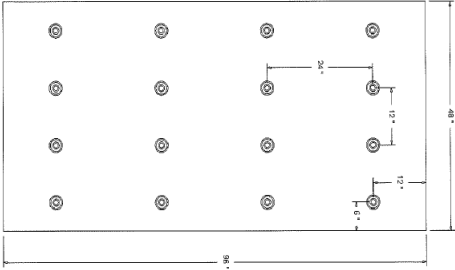
**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-354.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square	-127.5
S-355.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square	-135.0
S-356.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square	-142.5
<b>EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY ADHESIVE:</b>							
S-357.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 (Drill-Tec 3" Standard Steel Plate only)	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-45.0*

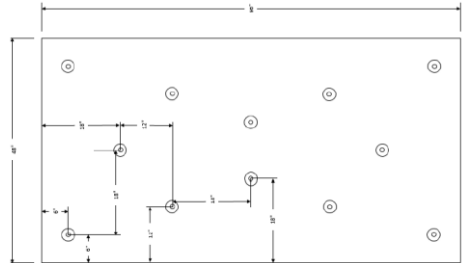
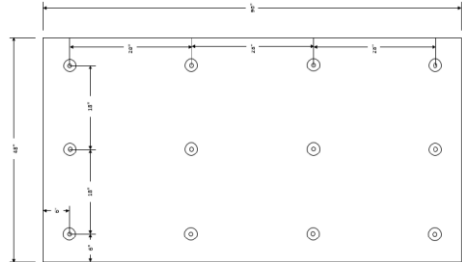
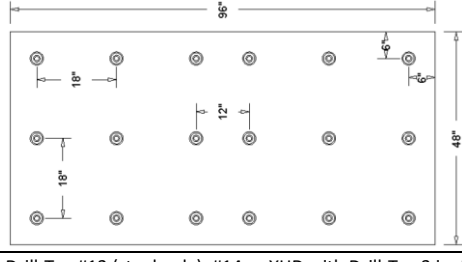
**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-358.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 (Drill-Tec 3" Steel Plate or Drill-Tec 3" Flat Steel Plate only)	1 per 2.13 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-45.0*
S-359.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-45.0*
S-360.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 0.5-inch DensDeck Prime	Note 2	1 per 3.2 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-45.0*
S-361.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch DensDeck Prime	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-45.0*
S-362.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-45.0*
S-363.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-45.0*
S-364.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2 8 parts per min. 4 x 8 ft board with parts installed 24-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-45.0*
S-365.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-45.0*
S-366.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation	Note 2 	1 per 2.3 ft <sup>2</sup> (14 parts per 4x8 ft board)	EverGuard TPO / TPO QSA	-45.0
S-367.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-52.5

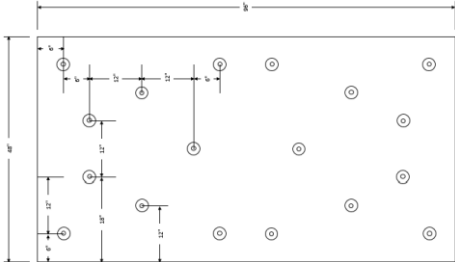
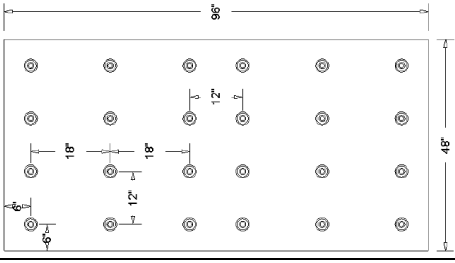
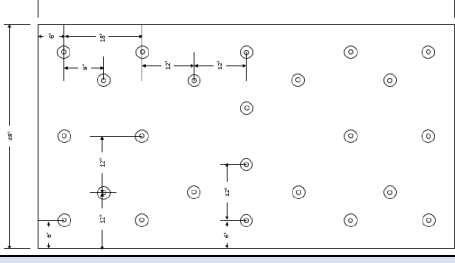
**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-368.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-60.0
S-369.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation	Note 2 	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-60.0
S-370.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-60.0
S-371.	Min. 20 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Drill-Tec #12 (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in Ribbed Galvalume Plate	1 per 1.6 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-67.5
S-372.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-75.0
S-373.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, min. 1.5-inch top insulation	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener or Drill-Tec XHD Fastener with Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec AccuTrac Recessed Plate or Drill-Tec #12 DP Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DPH Fastener with Drill-Tec 3" Recessed Steel Plate	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-82.5
S-374.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-82.5
S-375.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 2-inch	Min. 0.25-inch DensDeck Prime	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-82.5

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

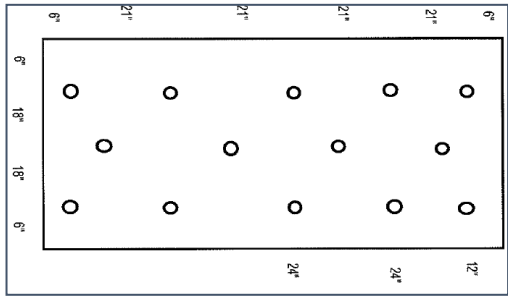
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-376.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-82.5
S-377.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-82.5
S-378.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-97.5
S-379.	Min. 22 ga., Type B, Grade 80 steel or structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch DensDeck Prime	Drill-Tec #12 (steel only), #14 or XHD with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-127.5

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

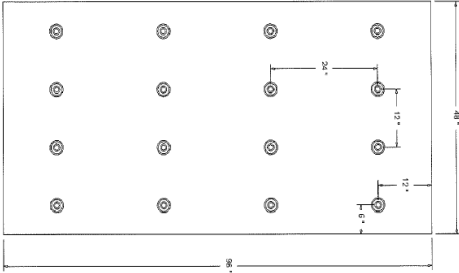
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-380.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-127.5
S-381.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-135.0
S-382.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft <sup>2</sup>	EverGuard TPO / TPO QSA	-142.5
<b>EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY ADHESIVE LV 50:</b>							
S-383.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-45.0*



**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-384.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-45.0*
S-385.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-45.0*
S-386.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-45.0*
S-387.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2 8 parts per min. 4 x 8 ft board with parts installed 24-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-45.0*
S-388.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-45.0*
S-389.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation	Note 2 	1 per 2.3 ft <sup>2</sup> (14 parts per 4x8 ft board)	EverGuard TPO / TPO QSA LV50	-45.0
S-390.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-52.5
S-391.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-60.0
S-392.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-60.0

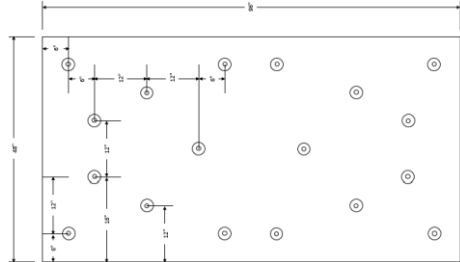
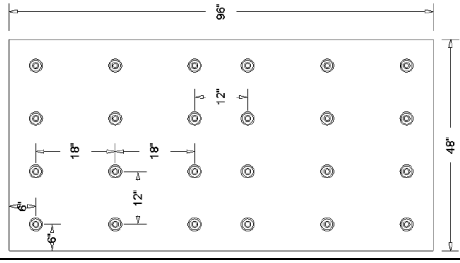
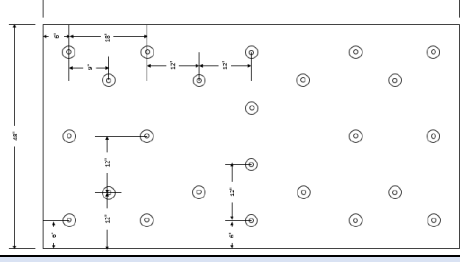
**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-393.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation	Note 2 	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-60.0
S-394.	Min. 20 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Drill-Tec #12 (steel only) or Drill-Tec #14 Fastener with Drill-Tec 3 in Ribbed Galvalume Plate	1 per 1.6 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-67.5
S-395.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional for recover) One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-67.5
S-396.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-75.0
S-397.	Min. 22 ga., Type B, Grade 33 steel	(Optional) One or more layers, min. 1.5-inch top insulation	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA	Drill-Tec #12 Fastener, Drill-Tec #14 Fastener or Drill-Tec XHD Fastener with Drill-Tec 3" Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat), Drill-Tec 3" Standard Steel Plate, Drill-Tec AccuTrac Flat Plate or Drill-Tec AccuTrac Recessed Plate or Drill-Tec #12 DP Fastener, Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener with Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DPH Fastener with Drill-Tec 3" Recessed Steel Plate	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-82.5
S-398.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3" Steel Plate or Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-82.5
S-399.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	(Optional) One or more layers, any combination, min. 2-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener or Drill-Tec XHD Fastener (steel only) with Drill-Tec AccuTrac Flat Plate	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-82.5

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-400.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-82.5
S-401.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-82.5
S-402.	Min. 22 ga., Type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1.5-inch	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-97.5
S-403.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-97.5

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer <a href="#">(Note 13)</a>	Top Insulation Layer			Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
			Type	Fasten <a href="#">(Note 11)</a>	Attach		
S-404.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-127.5
S-405.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-135.0
S-406.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft <sup>2</sup>	EverGuard TPO / TPO QSA LV50	-142.5
<b>TRIPPOSITE ROOFING SYSTEM:</b>							
S-407.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA or EnergyGuard RN	Note 2	1 per 2.0 ft <sup>2</sup>	Triposite System / <a href="#">Note 15C</a>	-45.0*

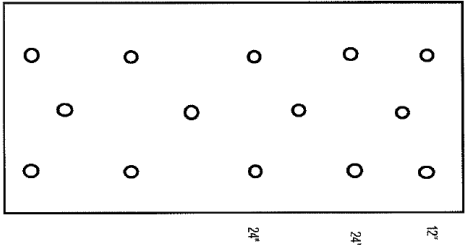
**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-408.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA or EnergyGuard RN	Note 2	1 per 3.2 ft <sup>2</sup>	Triposite System / <a href="#">Note 15C</a>	-45.0*
S-409.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RA	Note 2	1 per 2.0 ft <sup>2</sup>	Triposite System / <a href="#">Note 15C</a>	-60.0
S-410.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RA	Note 2	1 per 1.45 ft <sup>2</sup>	Triposite System / <a href="#">Note 15C</a>	-75.0
<b>HYBRID SYSTEMS:</b>							
S-411.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft <sup>2</sup>	Hybrid System / <a href="#">Note 15D</a>	-45.0*
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN HOT ASPHALT:</b>							
S-412.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / Hot asphalt	-45.0*
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN EVERGUARD WB181 BONDING ADHESIVE:</b>							
S-413.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 3.2 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-30.0*
S-414.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 6 parts per min. 4 x 8 ft board with parts installed 36-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 5.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-30.0*
S-415.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-30.0*
S-416.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.7 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-37.5*
S-417.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-418.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 8 parts per min. 4 x 8 ft board with parts installed 24-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 4.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-419.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 3.2 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-420.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-421.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-52.5
S-422.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-67.5
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN LRF ADHESIVE M OR LRF ADHESIVE O:</b>							
S-423.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-30.0*
S-424.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.7 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-37.5*
S-425.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-37.5*
S-426.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.75-inch ACFoam Composite/GB	Note 2	1 per 5.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-37.5*
S-427.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 (Drill-Tec 3" Standard Steel Plate, AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate only)	1 per 2.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-37.5*
S-428.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

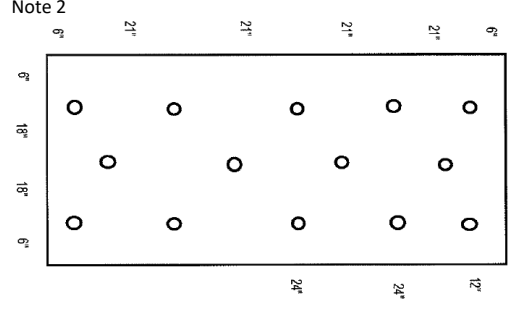
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-429.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 	1 per 2.3 ft <sup>2</sup> (14 parts per 4x8 ft board)	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0
S-430.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.9 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
S-431.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.75-inch ACFoam Composite/GB	Note 2	1 per 5.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0*
S-432.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2 (Drill-Tec 3" Standard Steel Plate, AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate only)	1 per 2.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0*
S-433.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 (Drill-Tec 3" Standard Steel Plate, AccuTrac Flat Plate or Drill-Tec 3" Flat Steel Plate only)	1 per 2.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
S-434.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RH	Note 2 (Drill-Tec 3" Steel Plate only)	1 per 1.8 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-52.5
S-435.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-52.5
S-436.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 1.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
S-437.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Note 2	1 per 1.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-67.5

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

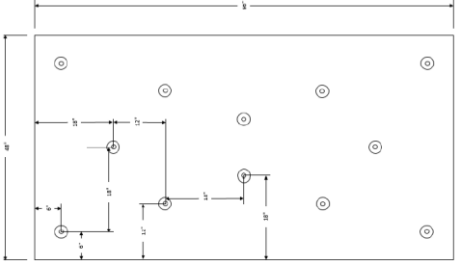
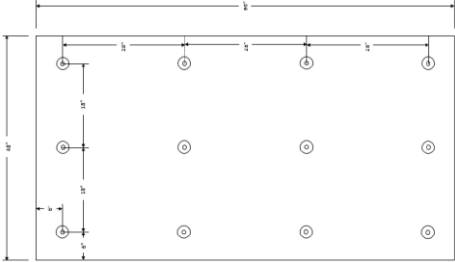
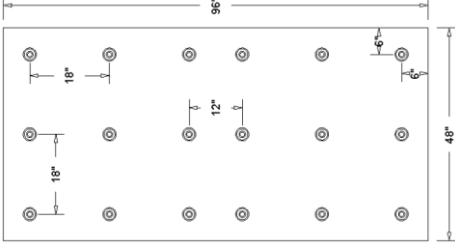
System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-438.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-30.0*
S-439.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-45.0*
S-440.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.9 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-45.0*
S-441.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RN, EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-60.0
S-442.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-45.0*
S-443.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 3.2 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-45.0*
S-444.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-45.0*
S-445.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-67.5
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN SPATTER APPLICATIONS:</b>							
S-446.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 6 parts per min. 4 x 8 ft board with parts installed 36-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 5.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-30.0*
S-447.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-30.0*
S-448.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 2.7 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-37.5*



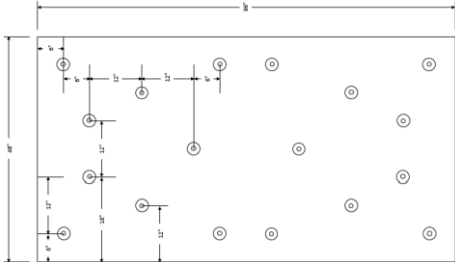
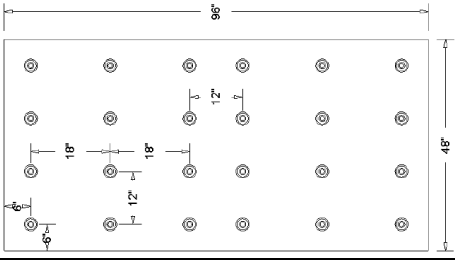
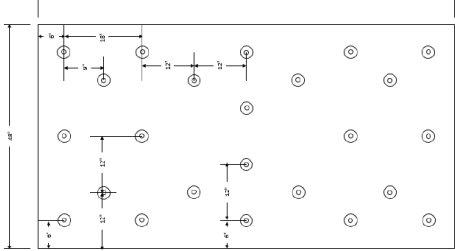
**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-449.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-450.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 	1 per 2.3 ft <sup>2</sup> (14 parts per 4x8 ft board)	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0
S-451.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2 8 parts per min. 4 x 8 ft board with parts installed 24-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 4.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-452.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN	Note 2	1 per 2.9 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-453.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN, EnergyGuard RN	Note 2	1 per 1.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-60.0
S-454.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-455.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 3.2 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-456.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 (steel only) or #14 with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or with Drill-Tec ASAP 3S or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0*
S-457.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, min. 1-inch	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-52.5

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-458.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2		1 per 1.3 ft <sup>2</sup> EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-67.5
S-459.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch EnergyGuard Polyiso Insulation	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2		1 per 1.45 ft <sup>2</sup> EverGuard TPO Fleece-Back Membrane / OB500 (spatter)	-82.5
S-460.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter)	-82.5
S-461.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 2.7 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter)	-82.5
S-462.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter)	-97.5

**TABLE 2E: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-463.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.8 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter)	-127.5
S-464.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter)	-135.0
S-465.	Min. 22 ga., Type B, min. 55 ksi steel	One or more layers, any combination, min. 1-inch	Min. 0.625-inch DensDeck StormX Prime	Drill-Tec XHD Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) 	1 per 1.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter)	-142.5

**TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED BASE AND CAP PLY**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
<b>ASPHALT-APPLIED BASE PLY:</b>								
S-466.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DPH Fastener (steel only) with Drill-Tec 3" Recessed Steel Plate	1 per 4.0 ft <sup>2</sup>	Ruberoid 20 Smooth / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-30.0*
S-467.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DPH Fastener (steel only) with Drill-Tec 3" Recessed Steel Plate	1 per 4.0 ft <sup>2</sup>	Ruberoid 20 Smooth / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-45.0*
S-468.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DPH Fastener (steel only) with Drill-Tec 3" Recessed Steel Plate	1 per 3.2 ft <sup>2</sup>	Ruberoid 20 Smooth / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-45.0*
S-469.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DPH Fastener (steel only) with Drill-Tec 3" Recessed Steel Plate	1 per 1.6 ft <sup>2</sup>	Ruberoid 20 Smooth / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-52.5
S-470.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DPH Fastener (steel only) with Drill-Tec 3" Recessed Steel Plate	1 per 1.3 ft <sup>2</sup>	Ruberoid 20 Smooth / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-60.0
<b>TORCH-APPLIED BASE PLY:</b>								
S-471.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DPH Fastener (steel only) with Drill-Tec 3" Recessed Steel Plate	1 per 4.0 ft <sup>2</sup>	Ruberoid HW 25 Smooth / torch-applied	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-30.0*
S-472.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DPH Fastener (steel only) with Drill-Tec 3" Recessed Steel Plate	1 per 4.0 ft <sup>2</sup>	Ruberoid HW 25 Smooth / torch-applied	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-45.0*

**TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED BASE AND CAP PLY**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
S-473.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DPH Fastener (steel only) with Drill-Tec 3" Recessed Steel Plate	1 per 3.2 ft <sup>2</sup>	Ruberoid HW 25 Smooth / torch-applied	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-45.0*
S-474.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DPH Fastener (steel only) with Drill-Tec 3" Recessed Steel Plate	1 per 1.6 ft <sup>2</sup>	Ruberoid HW 25 Smooth / torch-applied	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-52.5
S-475.	Min. 22 ga., type B, Grade 40 steel or structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.45 ft <sup>2</sup>	Ruberoid HW 25 Smooth, Ruberoid HW Smooth / torch-applied	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-60.0
S-476.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate, Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate or Drill-Tec #12 DPH Fastener (steel only) with Drill-Tec 3" Recessed Steel Plate	1 per 1.3 ft <sup>2</sup>	Ruberoid HW 25 Smooth / torch-applied	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-60.0
<b>SELF-ADHERING BASE PLY:</b>								
S-477.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet / self-adhered	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-30.0*
S-478.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 4.0 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet / self-adhered	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-45.0*
S-479.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 3.2 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet / self-adhered	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-45.0*
S-480.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate or Drill-Tec AccuTrac Flat Plate or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.6 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet / self-adhered	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-52.5

**TABLE 2F: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED BASE AND CAP PLY**

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fasten (Note 11)	Attach	Base Ply	Cap Ply	
S-481.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Drill-Tec #12 Fastener (steel only), Drill-Tec #14 Fastener with Drill-Tec 3" Standard Steel Plate, Drill-Tec 3 in. Ribbed Galvalume Plate (Flat) or Drill-Tec AccuTrac Flat Plate or Drill-Tec #12 DP Fastener (steel only), Drill-Tec #14 HD Fastener or Drill-Tec #15 EHD Fastener (steel only) with Drill-Tec 3" Flat Steel Plate	1 per 1.3 ft <sup>2</sup>	Liberty SBS Self-Adhering Cap Sheet / self-adhered	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 12-inch o.c.	-60.0

**TABLE 2G: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER**  
**SYSTEM TYPE C-1A: THERMAL BARRIER WITH VAPOR BARRIER, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Thermal Barrier / Vapor Barrier	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
<b>EVERGUARD FREEDOM TPO:</b>							
S-482.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN	Note 2 (no recessed plate)	1 per 2.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
S-483.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 2-inch EnergyGuard RA, EnergyGuard RN	Note 2 (no recessed plate)	1 per 4.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
S-484.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 (no recessed plate)	1 per 2.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
S-485.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard RH, loose laid, followed by min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 (no recessed plate)	1 per 2.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
S-486.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 2-inch EnergyGuard RA, EnergyGuard RN	Note 2 (#14) (no recessed plate)	1 per 2.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-52.5
<b>EVERGUARD SA TPO:</b>							
S-487.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard RA	Note 2 (no recessed plate)	1 per 2.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhered	-45.0*
S-488.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 2-inch EnergyGuard RA	Note 2 (no recessed plate)	1 per 4.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhered	-45.0*
S-489.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2 (no recessed plate)	1 per 2.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhered	-45.0*

**TABLE 2g: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1A: THERMAL BARRIER WITH VAPOR BARRIER, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Thermal Barrier / Vapor Barrier	Top Insulation Layer			Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
			Type	Fasten <a href="#">(Note 11)</a>	Attach		
S-490.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard RH, loose laid, followed by min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2 (no recessed plate)	1 per 2.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhered	-45.0*
S-491.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 2-inch EnergyGuard RA	Note 2 (#14) (no recessed plate)	1 per 2.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhered	-52.5
<b>EVERGUARD TPO / EVERGUARD TPO 1121 BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:</b>							
S-492.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-493.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 2-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-494.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-495.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.5-inch DensDeck Prime	Note 2	1 per 3.2 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-496.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.625-inch DensDeck Prime	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-497.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard RH, loose laid, followed by min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0*
S-498.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch DensDeck Prime	Note 2	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-52.5
S-499.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 3-Square	-52.5
<b>EVERGUARD TPO / EVERGUARD WB181 BONDING ADHESIVE:</b>							

**TABLE 2g: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1A: THERMAL BARRIER WITH VAPOR BARRIER, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck (Note 1)	Thermal Barrier / Vapor Barrier	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fasten (Note 11)	Attach		
S-500.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-501.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 2-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-502.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-503.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.5-inch DensDeck Prime	Note 2	1 per 3.2 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-504.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.625-inch DensDeck Prime	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-505.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard RH, loose laid, followed by min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / WB181	-45.0*
S-506.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch DensDeck Prime	Note 2	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / WB181	-52.5
S-507.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft <sup>2</sup>	EverGuard TPO / WB181	-52.5
<b>EVERGUARD TPO / EVERGUARD TPO 6 SQUARE LOW VOC BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:</b>							
S-508.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-509.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 2-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-510.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*



**TABLE 2g: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1A: THERMAL BARRIER WITH VAPOR BARRIER, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Thermal Barrier / Vapor Barrier	Top Insulation Layer			Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
			Type	Fasten <a href="#">(Note 11)</a>	Attach		
S-511.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.5-inch DensDeck Prime	Note 2	1 per 3.2 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-512.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.625-inch DensDeck Prime	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-513.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard RH, loose laid, followed by min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0*
S-514.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch DensDeck Prime	Note 2	1 per 1.45 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-52.5
S-515.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft <sup>2</sup>	EverGuard TPO / TPO 6-Square, TPO 3-Square	-52.5
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN EVERGUARD WB181 BONDING ADHESIVE:</b>							
S-516.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-517.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 2-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-518.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-519.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.5-inch DensDeck Prime	Note 2	1 per 3.2 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*
S-520.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.625-inch DensDeck Prime	Note 2	1 per 4.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-45.0*

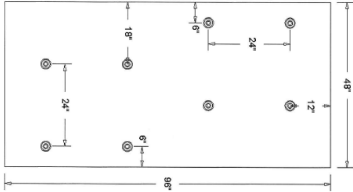
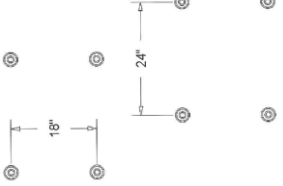
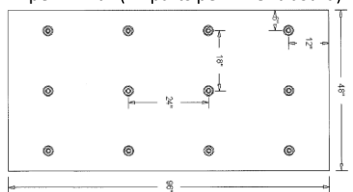
**TABLE 2g: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1A: THERMAL BARRIER WITH VAPOR BARRIER, MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Thermal Barrier / Vapor Barrier	Top Insulation Layer			Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
			Type	Fasten <a href="#">(Note 11)</a>	Attach		
S-521.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch DensDeck Prime	Note 2	1 per 1.45 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-52.5
S-522.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181	-52.5
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN LRF ADHESIVE M OR LRF ADHESIVE O:</b>							
S-523.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard RA, EnergyGuard RN, EnergyGuard RH	Note 2	1 per 2.9 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
S-524.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0*
S-525.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RN, EnergyGuard RH, loose laid, followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0*
S-526.	Min. 22 ga., Type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.625-inch DensDeck Prime or min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, loose-laid, covered with GAF SA Vapor Retarder or GAF SA Vapor Retarder XL, self-adhered	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Note 2	1 per 1.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0

**TABLE 2H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER**

System No.	Deck (Note 1)	Insulation (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
S-527.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, prelim. attach (Note 5) (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	Max. 18-inch o.c. in rows spaced max. 60-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-30.0
S-528.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, prelim. attach (Note 5) (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	Max. 12-inch o.c. in rows spaced max. 60-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-37.5
S-529.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, prelim. attach (Note 5) (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	Max. 18-inch o.c. in rows spaced max. 60-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-37.5
S-530.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, 4 x 8 ft board; (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 5.3 ft <sup>2</sup> (6 parts per 4 x 8 ft board) Fastener located in each of the four corners of the board and at mid-span of the 96-inch length. Fasteners are 12-inches from the board's long edges and 12- and 48-inches from the board's short edges.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-37.5
S-531.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, prelim. attach (Note 5) (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	Max. 12-inch o.c. in rows spaced max. 60-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-45.0
S-532.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, 4 x 8 ft board; (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 5.3 ft <sup>2</sup> (6 parts per 4 x 8 ft board) Fastener located in each of the four corners of the board and at mid-span of the 96-inch length. Fasteners are 6-inches from the board's long edges and 12- and 48-inches from the board's short edges.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-45.0*
S-533.	Min. 2,500 psi structural concrete	One or more layers, any combination, 4 x 8 ft board	Drill-Tec #14 and Drill-Tec RhinoBond TPO XHD Plate	1 per 5.3 ft <sup>2</sup> (6 parts per 4 x 8 ft board) Fastener located in each of the four corners of the board and at mid-span of the 96-inch length. Fasteners are 6-inches from the board's long edges and 12- and 48-inches from the board's short edges.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-45.0*
S-534.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, 4 x 4 ft board; (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 4.0 ft <sup>2</sup> (4 parts per 4 x 4 ft board) Fastener located in each of the four corners of the board. Fasteners are 12-inch from the board edges.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-45.0*
S-535.	Min. 2,500 psi structural concrete	One or more layers, any combination, 4 x 4 ft board	Drill-Tec #14 and Drill-Tec RhinoBond TPO XHD Plate	1 per 4.0 ft <sup>2</sup> (4 parts per 4 x 4 ft board) Fastener located in each of the four corners of the board. Fasteners are 12-inch from the board edges.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-45.0*
S-536.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	Max. 24-inch o.c. in rows spaced max. 30-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-52.5

**TABLE 2H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER**

System No.	Deck (Note 1)	Insulation (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
S-537.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, 4 x 8 ft board; (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 4.0 ft <sup>2</sup> (8 parts per 4 x 8 ft board) 	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-60.0
S-538.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination	Drill-Tec SXHD and Drill-Tec RhinoBond TPO SXHD Plate	24 x 24 inch grid	EverGuard TPO bonded to Drill-Tec RhinoBond TPO SXHD Plate with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-60.0
S-539.	Min. 2,500 psi structural concrete	One or more layers, any combination	Drill-Tec #14 and Drill-Tec RhinoBond TPO XHD Plate	24 x 24 inch grid	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-60.0
S-540.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, prelim. attach (Note 5) (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	Max. 6-inch o.c. in rows spaced max. 72-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-67.5
S-541.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 2.7 ft <sup>2</sup> (12 parts per 4 x 8 ft board) Fasteners are 6-, 24- and 42-inches from the board's long edge and 12-, 36-, 60- and 84-inches from the board's short edge.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-67.5
S-542.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, (Tread Safe = min. 2-inch)	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	18 x 24 inch staggered grid 	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-82.5
S-543.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, (Tread Safe = min. 2-inch)	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	1 per 2.7 ft <sup>2</sup> (12 parts per 4 x 8 ft board) 	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-82.5

**TABLE 2H: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-2: MECHANICALLY ATTACHED INSULATION, INDUCTION WELDED ROOF COVER**

System No.	Deck (Note 1)	Insulation (Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
S-544.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, prelim. attach (Note 5) (Tread Safe = min. 2-inch thick insulation)	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	Max. 6-inch o.c. in rows spaced max. 72-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-97.5
S-545.	Min. 22 ga., type B, Grade 60 steel	One or more layers, any combination, min. 2-inch	Drill-Tec XHD Fastener with Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate	18 x 16 inch grid, staggered 6-inch	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-105.0

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

System No.	Deck (Note 1)	Insulation (Note 13)		Separator Sheet (Optional)	Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)		Membrane	Fastener (Note 11)	Attachment	
<b>EVERGUARD TPO:</b>								
S-546.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 3/8 in. Barbed XHD Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	18-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
S-547.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec Eyehook AccuSeam Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
S-548.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	12-inch o.c. within 5-inch wide laps spaced 115-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
S-549.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec Eyehook AccuSeam Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. in rows spaced max. 114-inch o.c. An 8-inch wide cover strip is heat welded over the stress plates.	-30.0
S-550.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec SXHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0

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

System No.	Deck (Note 1)	Insulation (Note 13)		Separator Sheet (Optional)	Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)		Membrane	Fastener (Note 11)	Attachment	
S-551.	Min. 22 ga., type B, Grade 60 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
S-552.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec SXHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
S-553.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec Eyehook AccuSeam Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-30.0
S-554.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5
S-555.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec SXHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5
S-556.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec SXHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5
S-557.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 3/8 in. Barbed XHD Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. within 5-inch wide laps spaced 115-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5
S-558.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec SXHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5
S-559.	Structural concrete	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5

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

System No.	Deck <a href="#">(Note 1)</a>	Insulation <a href="#">(Note 13)</a>		Separator Sheet (Optional)	Roof Cover <a href="#">(Note 15A)</a>			MDP <a href="#">(psf)</a>
		Type	Attach <a href="#">(Note 5)</a>		Membrane	Fastener <a href="#">(Note 11)</a>	Attachment	
S-560.	Min. 20 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec Eyehook AccuSeam Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-37.5
S-561.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate or Drill-Tec 2 3/8 in. Barbed XHD Plate , Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate, Drill-Tec SXHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-562.	Min. 22 ga., type B, Grade 33 steel	Min. 200 psi, min. 2-inch thick cellular lightweight concrete	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-563.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	12-inch o.c. within 6-inch wide laps spaced 66-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-564.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec SXHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-565.	Min. 20 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-566.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 3/8 in. Barbed XHD Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 5-inch wide laps spaced 114.5-inch o.c. and sealed with a 1.75-inch heat weld.	-45.0
S-567.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec SXHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate	12-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 2: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE D-1: MECHANICALLY ATTACHED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Insulation <a href="#">(Note 13)</a>		Separator Sheet (Optional)	Roof Cover <a href="#">(Note 15A)</a>			MDP <a href="#">(psf)</a>
		Type	Attach <a href="#">(Note 5)</a>		Membrane	Fastener <a href="#">(Note 11)</a>	Attachment	
S-568.	Min. 22 ga., type B, Grade 60 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate, Drill-Tec XHD Fastener or Drill-Tec SXHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-569.	Min. 18 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate, Drill-Tec XHD Fastener or Drill-Tec SXHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-570.	Structural concrete	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate, Drill-Tec 2 in. Double Barbed XHD Plate or Drill-Tec 2 3/4 in. Barbed SXHD Plate or Drill-Tec #14 HD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-571.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
S-572.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 66-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
S-573.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
S-574.	Structural concrete	One or more layers, any combination, min. 1.5-inch	Prelim. attach or OB500	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec #14 or Drill-Tec CD-10 fasteners with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec Eyehook AccuSeam Plate or Drill-Tec #14 HD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5



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

System No.	Deck (Note 1)	Insulation (Note 13)		Separator Sheet (Optional)	Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)		Membrane	Fastener (Note 11)	Attachment	
S-575.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 3/8 in. Barbed XHD Plate or Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 5-inch wide laps spaced 115-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
S-576.	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener or Drill-Tec SXHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
S-577.	Structural concrete	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec #14 Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate	6-inch o.c. within 6-inch wide laps spaced 138-inch o.c. and sealed with a 1.5-inch heat weld.	-52.5
S-578.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1.5-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 3/8 in. Barbed XHD Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-60.0
S-579.	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-60.0
S-580.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 3/8 in. Barbed XHD Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within 6-inch wide laps spaced 90-inch o.c. and sealed with a 1.5-inch heat weld.	-60.0
S-581.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-60.0
S-582.	Min. 22 ga., type B, Grade 33 steel	Min. 200 psi, min. 2-inch thick cellular lightweight concrete	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2-3/4 in. SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-67.5
S-583.	Min. 22 ga., type BV (0.5%), Grade 33 steel	Min. 330 psi, min. 2-inch thick Celcore Cellular Concrete	N/A	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate (to engage steel deck)	Fastened through to engage steel deck, 6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-67.5

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

System No.	Deck (Note 1)	Insulation (Note 13)		Separator Sheet (Optional)	Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)		Membrane	Fastener (Note 11)	Attachment	
S-584.	Min. 22 ga., type B, Grade 33 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 3/4 in. Barbed SXHD Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-67.5
S-585.	Min. 22 ga., Type B, Grade 80 steel	One or more layers, any combination, min. 1-inch	Prelim. attach	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO, min. 60-mil	Drill-Tec XHD Fastener with Drill-Tec 2 3/8 in. Barbed XHD Plate or Drill-Tec Eyehook AccuSeam Plate or Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate	6-inch o.c. atop 6-inch wide overlaps in rows spaced max. 138-inch o.c. An 8-inch wide cover strip is heat welded 1.5-inch on both sides of the fastener rows	-67.5
S-586.	Min. 18 ga., type B, Grade 33 steel	One or more layers, min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	5 parts per 4 x 4 ft board	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate	6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-90.0
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE:</b>								
S-587.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1.5-inch	Prelim. attach	N/A	EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD (steel only) or Drill-Tec #14 Fastener (concrete only) with Drill-Tec 2 3/8 in. Barbed XHD Plate, Drill-Tec #15 DF Fastener (steel only) with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener (steel only) or Drill-Tec #14 HD Fastener (concrete only) with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within min. 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.625-inch heat weld.	-45.0
S-588.	Min. 22 ga., type B, Grade 33 steel	Min. 200 psi, min. 2-inch thick cellular lightweight concrete	Prelim. attach	N/A	EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec #15 DF Fastener with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-45.0
S-589.	Min. 22 ga., type B, Grade 33 steel or structural concrete	One or more layers, any combination, min. 1.5-inch	Prelim. attach	N/A	EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD (steel only) or Drill-Tec #14 Fastener (concrete only) with Drill-Tec 2 3/8 in. Barbed XHD Plate, Drill-Tec #15 DF Fastener (steel only) with Drill-Tec 2-3/8" DF Barbed Seam Plate or Drill-Tec #15 EHD Fastener (steel only) or Drill-Tec #14 HD Fastener (concrete only) with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within min. 6-inch wide laps spaced 112.5-inch o.c. and sealed with a 1.625-inch heat weld.	-60.0
S-590.	Min. 22 ga., type B, Grade 33 steel	Min. 200 psi, min. 2-inch thick cellular lightweight concrete	Prelim. attach	N/A	EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD Fastener with Drill-Tec 2-3/4 in. SXHD Plate	12-inch o.c. within 6-inch wide laps spaced 54-inch o.c. and sealed with a 1.5-inch heat weld.	-67.5

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

System No.	Deck <a href="#">(Note 1)</a>	Insulation <a href="#">(Note 13)</a>		Separator Sheet (Optional)	Roof Cover <a href="#">(Note 15A)</a>			MDP <a href="#">(psf)</a>
		Type	Attach <a href="#">(Note 5)</a>		Membrane	Fastener <a href="#">(Note 11)</a>	Attachment	
S-591.	Min. 22 ga., type BV (0.5%), Grade 33 steel	Min. 200 psi, min. 3-inch thick Elastizell Lightweight Insulating Concrete	N/A	N/A	EverGuard TPO Fleece-Back Membrane	Drill-Tec XHD Fastener with Drill-Tec 2 in. Double Barbed XHD Plate (to engage steel deck)	Fastened through to engage steel deck, 6-inch o.c. within 6-inch wide laps spaced 114-inch o.c. and sealed with a 1.5-inch heat weld.	-75.0

**TABLE 2: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Insulation Layer(s) <a href="#">(Note 13)</a>		Base or Anchor Sheet			Roof Cover	MDP <a href="#">(psf)</a>
		Type	Attach	Base	Fastener <a href="#">(Note 11)</a>	Attach		
S-592.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Loose-laid	GAF StormSafe Anchor Sheet (48-inch wide)	Note 2 (no recessed plate)	12-inch o.c. at min. 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	EverGuard Freedom TPO / self-adhered	-45.0
S-593.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Loose-laid	GAF StormSafe Anchor Sheet (48-inch wide)	Note 2 (no recessed plate)	18-inch o.c. at min. 4-inch laps and 18-inch o.c. in two, equally spaced, staggered center rows	EverGuard Freedom TPO / self-adhered	-52.5

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

REFER TO [TABLE 3B](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
<b>EVERGUARD FREEDOM TPO:</b>							
C-1.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard Freedom TPO / self-adhered	-97.5
C-2.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	LRF-M	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	LRF-M	EverGuard Freedom TPO / self-adhered	-165.0
C-3.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard Freedom TPO / self-adhered	-165.0
C-4.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard Freedom TPO / self-adhered	-187.5
C-5.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Additional optional layers base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard Freedom TPO / self-adhered	-232.5
C-6.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Additional layers of base insulation	LRF-M	EverGuard Freedom TPO / self-adhered	-292.5
C-7.	Structural concrete	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	LRF-M, 6-inch o.c.	None	N/A	EverGuard Freedom TPO / self-adhered	-405.0
C-8.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard Freedom TPO / self-adhered	-142.5
C-9.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard Freedom TPO / self-adhered	-165.0
C-10.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard Freedom TPO / self-adhered	-187.5
C-11.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard Freedom TPO / self-adhered	-232.5
C-12.	Structural concrete	Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard Freedom TPO / self-adhered	-382.5
C-13.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard Freedom TPO / self-adhered	-52.5
C-14.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard Freedom TPO / self-adhered	-97.5
C-15.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	OB500	EverGuard Freedom TPO / self-adhered	-165.0
C-16.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard Freedom TPO / self-adhered	-165.0

**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [TABLE 1](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-17.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard Freedom TPO / self-adhered	-187.5
C-18.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	EverGuard Freedom TPO / self-adhered	-230.0
C-19.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard Freedom TPO / self-adhered	-232.5
C-20.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers of base insulation	OB500	EverGuard Freedom TPO / self-adhered	-292.5
C-21.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard Freedom TPO / self-adhered	-347.5
C-22.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard Freedom TPO / self-adhered	-382.5
C-23.	Structural concrete	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	OB500, 6-inch o.c.	None	N/A	EverGuard Freedom TPO / self-adhered	-405.0
<b>EVERGUARD SA TPO:</b>							
C-24.	Structural concrete	Min. 1.5-inch EnergyGuard RA	LRF-M	(Optional) Additional layers of base insulation	LRF-M	EverGuard SA TPO / self-adhered	-60.0
C-25.	Structural concrete	Min. 1.5-inch EnergyGuard RH	LRF-M	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard SA TPO / self-adhered	-97.5
C-26.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layers of base insulation	LRF-M	EverGuard SA TPO / self-adhered	-142.5
C-27.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard SA TPO / self-adhered	-165.0
C-28.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard SA TPO / self-adhered	-187.5
C-29.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M	EverGuard SA TPO / self-adhered	-232.5
C-30.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M	EverGuard SA TPO / self-adhered	-270.0

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

REFER TO [TABLE 3A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-31.	Structural concrete	Min. 1.5-inch EnergyGuard RA	LRF-M	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-M	EverGuard SA TPO / self-adhered	-307.5
C-32.	Structural concrete	Min. 1.5-inch EnergyGuard RA	LRF-XF	(Optional) Additional layers of base insulation	LRF-XF	EverGuard SA TPO / self-adhered	-60.0
C-33.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard SA TPO / self-adhered	-142.5
C-34.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard SA TPO / self-adhered	-165.0
C-35.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard SA TPO / self-adhered	-187.5
C-36.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF	EverGuard SA TPO / self-adhered	-232.5
C-37.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF	EverGuard SA TPO / self-adhered	-270.0
C-38.	Structural concrete	Min. 1.5-inch EnergyGuard RA	LRF-XF	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF	EverGuard SA TPO / self-adhered	-307.5
C-39.	Structural concrete	Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard SA TPO / self-adhered	-382.5
C-40.	Structural concrete	Min. 1-inch EnergyGuard RA	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard SA TPO / self-adhered	-52.5
C-41.	Structural concrete	Min. 1.5-inch EnergyGuard RA	OB500	(Optional) Additional layers of base insulation	OB500	EverGuard SA TPO / self-adhered	-60.0
C-42.	Structural concrete	Min. 1.5-inch EnergyGuard RH	OB500	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard SA TPO / self-adhered	-97.5
C-43.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layers of base insulation	OB500	EverGuard SA TPO / self-adhered	-142.5
C-44.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard SA TPO / self-adhered	-165.0

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

REFER TO [TABLE 3B](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-45.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard SA TPO / self-adhered	-187.5
C-46.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	EverGuard SA TPO / self-adhered	-230.0
C-47.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500	EverGuard SA TPO / self-adhered	-232.5
C-48.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500	EverGuard SA TPO / self-adhered	-270.0
C-49.	Structural concrete	Min. 1.5-inch EnergyGuard RA	OB500	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	OB500	EverGuard SA TPO / self-adhered	-307.5
C-50.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard SA TPO / self-adhered	-347.5
C-51.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard SA TPO / self-adhered	-382.5
<b>EVERGUARD TPO / EVERGUARD TPO 1121 BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:</b>							
C-52.	Structural concrete (ASTM D41 primed)	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	Hot Asphalt	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or min. 7/16-inch OSB	Hot asphalt	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0
C-53.	Structural concrete (ASTM D41 primed)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	EverGuard TPO / TPO 1121, TPO 3-Square	-90.0
C-54.	Structural concrete (ASTM D41 primed)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	EverGuard TPO / TPO 1121, TPO 3-Square	-127.5
C-55.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Additional optional layers base insulation followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-82.5
C-56.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-97.5

**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
REFER TO [TABLE 1](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-57.	Structural concrete	Min. 1-inch EnergyGuard RH	LRF-M	(Optional) Additional layer of base insulation	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-162.5
C-58.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-165.0
C-59.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-187.5
C-60.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	None	N/A	EverGuard TPO / TPO 1121, TPO 3-Square	-195.0
C-61.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Additional optional layers base insulation followed by Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-232.5
C-62.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Additional layers of base insulation	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-292.5
C-63.	Structural concrete	Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-130.0
C-64.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-165.0
C-65.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-187.5
C-66.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	None	N/A	EverGuard TPO / TPO 1121, TPO 3-Square	-195.0
C-67.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layers of base insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-232.5
C-68.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-232.5
C-69.	Structural concrete	Min. 2-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-247.5
C-70.	Structural concrete	Min. 1.5-inch, min. 1.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0
C-71.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0
C-72.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-52.5
C-73.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-82.5
C-74.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-97.5



**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [TABLE 3A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-75.	Structural concrete	Min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-120.0
C-76.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-130.0
C-77.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-165.0
C-78.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-187.5
C-79.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	EverGuard TPO / TPO 1121, TPO 3-Square	-195.0
C-80.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-232.5
C-81.	Structural concrete	Min. 1.5-inch EnergyGuard RA or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-240.0
C-82.	Structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-247.5
C-83.	Structural concrete	Min. 1.5-inch EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-270.0
C-84.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers of base insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-292.5
C-85.	Structural concrete	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RA	OB500	None	N/A	EverGuard TPO / TPO 1121, TPO 3-Square	-502.5
<b>EVERGUARD TPO / EVERGUARD WB181 BONDING ADHESIVE:</b>							
C-86.	Structural concrete (ASTM D41 primed)	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	Hot asphalt	(Optional) Additional layer of base insulation	Hot asphalt	EverGuard TPO / WB181	-135.0
C-87.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / WB181	-97.5
C-88.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	None	N/A	EverGuard TPO / WB181	-112.5
C-89.	Structural concrete	Min. 1-inch EnergyGuard RH	LRF-M	(Optional) Additional layer of base insulation	LRF-M	EverGuard TPO / WB181	-162.5
C-90.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO / WB181	-165.0

**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [TABLE 3A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-91.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard TPO / WB181	-187.5
C-92.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	None	N/A	EverGuard TPO / WB181	-195.0
C-93.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / WB181	-232.5
C-94.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Additional layers of base insulation	LRF-M	EverGuard TPO / WB181	-292.5
C-95.	Structural concrete	Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	LRF-XF	EverGuard TPO / WB181	-130.0
C-96.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO / WB181	-165.0
C-97.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / WB181	-187.5
C-98.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	None	N/A	EverGuard TPO / WB181	-195.0
C-99.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / WB181	-232.5
C-100.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / WB181	-270.0
C-101.	Structural concrete	Min. 1.5-inch, min. 1.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / WB181	-45.0
C-102.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / WB181	-45.0
C-103.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / WB181	-52.5
C-104.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / WB181	-97.5
C-105.	Structural concrete	Min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / WB181	-120.0
C-106.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / WB181	-130.0
C-107.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / WB181	-135.0
C-108.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO / WB181	-165.0

**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [TABLE 3A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-109.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO / WB181	-187.5
C-110.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	EverGuard TPO / WB181	-195.0
C-111.	Structural concrete	Min. 1-inch EnergyGuard RA	OB500	None	N/A	EverGuard TPO / WB181	-215.0
C-112.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / WB181	-232.5
C-113.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers of base insulation	OB500	EverGuard TPO / WB181	-292.5
<b>EVERGUARD TPO / EVERGUARD TPO 6 SQUARE LOW VOC BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:</b>							
C-114.	Structural concrete (ASTM D41 primed)	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	Hot Asphalt	(Optional) Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	Hot asphalt	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0
C-115.	Structural concrete (ASTM D41 primed)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	EverGuard TPO / TPO 6-Square, TPO 3-Square	-90.0
C-116.	Structural concrete (ASTM D41 primed)	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	EverGuard TPO / TPO 6-Square, TPO 3-Square	-127.5
C-117.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Additional optional layers base insulation followed by min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-82.5
C-118.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-97.5
C-119.	Structural concrete	Min. 1-inch EnergyGuard RH	LRF-M	(Optional) Additional layer of base insulation	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-162.5
C-120.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-165.0
C-121.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-187.5
C-122.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-232.5

**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER  
REFER TO [TABLE 3B](#) FOR VAPOR BARRIER OPTIONS**

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-123.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Additional layers of base insulation	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-240.0
C-124.	Structural concrete	Min. 0.5-inch EnergyGuard RH	LRF-M	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-360.0
C-125.	Structural concrete	Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0
C-126.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO / TPO 6-Square, TPO 3-Square	-165.0
C-127.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO 6-Square, TPO 3-Square	-187.5
C-128.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO 6-Square, TPO 3-Square	-232.5
C-129.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO 6-Square, TPO 3-Square	-270.0
C-130.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN, min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0
C-131.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0
C-132.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0
C-133.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-82.5
C-134.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-97.5
C-135.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-165.0
C-136.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-187.5
C-137.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-232.5
C-138.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers of base insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-240.0
C-139.	Structural concrete	Min. 1.5-inch EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-270.0

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

REFER TO [TABLE 3B](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-140.	Structural concrete	Min. 1-inch EnergyGuard RH	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-502.5
<b>EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY:</b>							
C-141.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layers of base insulation	LRF-M	EverGuard TPO / TPO QSA	-82.5
C-142.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO QSA	-82.5
C-143.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO / TPO QSA	-97.5
C-144.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO / TPO QSA	-232.5
C-145.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO QSA	-97.5
C-146.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layers of base insulation	LRF-XF	EverGuard TPO / TPO QSA	-82.5
C-147.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO QSA	-82.5
C-148.	Structural concrete	Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	LRF-XF	EverGuard TPO / TPO QSA	-130.0
C-149.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	LRF-XF	EverGuard TPO / TPO QSA	-232.5
C-150.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation or EnergyGuard RA	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO QSA	-97.5
C-151.	Structural concrete	Min. 1-inch EnergyGuard RA	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO QSA	-45.0
C-152.	Structural concrete	Min. 1-inch EnergyGuard RA	OB500	None	N/A	EverGuard TPO / TPO QSA	-75.0
C-153.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layers of base insulation	OB500	EverGuard TPO / TPO QSA	-82.5
C-154.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO QSA	-82.5
C-155.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO / TPO QSA	-97.5
C-156.	Structural concrete	Min. 1.5-inch, min. 2.0-pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO QSA	-45.0
C-157.	Structural concrete	Min. 2-inch, min. 2.0-pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO QSA	-120.0

**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [TABLE 3A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-158.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO QSA	-135.0
C-159.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO QSA	-232.5
C-160.	Structural concrete	Min. 1.5-inch EnergyGuard RA or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO QSA	-240.0
C-161.	Structural concrete	Min. 1.5-inch, min. 2.0-pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA	-45.0
C-162.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, min. 1-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN or min. 2-inch, min. 2.0-pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA	-97.5
<b>EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY LV 50:</b>							
C-163.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layers of base insulation	LRF-M	EverGuard TPO / TPO QSA LV50	-292.5
C-164.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO / TPO QSA LV50	-165.0
C-165.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO QSA LV50	-187.5
C-166.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO QSA LV50	-97.5
C-167.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime	LRF-M	EverGuard TPO / TPO QSA LV50	-202.5
C-168.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	None	N/A	EverGuard TPO / TPO QSA LV50	-195.0
C-169.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Additional optional layers base insulation followed by Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO QSA LV50	-232.5
C-170.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layers of base insulation	LRF-XF	EverGuard TPO / TPO QSA LV50	-82.5
C-171.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO / TPO QSA LV50	-165.0
C-172.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO QSA LV50	-187.5
C-173.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO QSA LV50	-270.0
C-174.	Structural concrete	Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch DensDeck Prime	LRF-XF	EverGuard TPO / TPO QSA LV50	-130.0

**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [TABLE 3A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-175.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime	LRF-XF	EverGuard TPO / TPO QSA LV50	-202.5
C-176.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	None	N/A	EverGuard TPO / TPO QSA LV50	-195.0
C-177.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO QSA LV50	-232.5
C-178.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO QSA LV50	-232.5
C-179.	Structural concrete	Min. 1-inch EnergyGuard RA	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO QSA LV50	-45.0
C-180.	Structural concrete	Min. 1-inch EnergyGuard RA	OB500	None	N/A	EverGuard TPO / TPO QSA LV50	-75.0
C-181.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO / TPO QSA LV50	-165.0
C-182.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO QSA LV50	-187.5
C-183.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layers of base insulation	OB500	EverGuard TPO / TPO QSA LV50	-292.5
C-184.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO QSA LV50	-97.5
C-185.	Structural concrete	Min. 1.5-inch, min. 2.0-pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime	OB500	EverGuard TPO / TPO QSA LV50	-45.0
C-186.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime	OB500	EverGuard TPO / TPO QSA LV50	-135.0
C-187.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime	OB500	EverGuard TPO / TPO QSA LV50	-202.5
C-188.	Structural concrete	Min. 1.5-inch, min. 2.0-pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA LV50	-45.0
C-189.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA LV50	-127.5
C-190.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	EverGuard TPO / TPO QSA LV50	-195.0
C-191.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA LV50	-232.5
C-192.	Structural concrete	Min. 1.5-inch EnergyGuard RA or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA LV50	-240.0

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

REFER TO [TABLE 1](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-193.	Structural concrete	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA LV50	-247.5
C-194.	Structural concrete	Min. 1-inch EnergyGuard RH	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA LV50	-502.5
<b>TRIPPOSITE ROOFING SYSTEM:</b>							
C-195.	Structural concrete (ASTM D41 primed)	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra or min. 1.5-inch EnergyGuard RA, EnergyGuard RN	Hot Asphalt	(Optional) Additional layers of base insulation	Hot asphalt	Triposite System. <a href="#">Note 15C</a>	-172.5
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN HOT ASPHALT:</b>							
C-196.	Structural concrete (ASTM D41 primed)	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra	Hot Asphalt	Min. 0.25-inch DensDeck	Hot asphalt	EverGuard TPO Fleece-Back Membrane / Hot asphalt	-45.0
C-197.	Structural concrete (ASTM D41 primed)	Min. 1-inch EnergyGuard RH	Hot asphalt	None	N/A	EverGuard TPO Fleece-Back Membrane / Hot asphalt	-470.0
C-198.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra	OB500	Min. 0.25-inch DensDeck	OB500	EverGuard TPO Fleece-Back Membrane / Hot asphalt	-45.0
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN EVERGUARD WB181 BONDING ADHESIVE:</b>							
C-199.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-97.5
C-200.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-165.0
C-201.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-187.5
C-202.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	None	N/A	EverGuard TPO Fleece-Back Membrane / WB181	-195.0
C-203.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-232.5
C-204.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Additional layers of base insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-292.5
C-205.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / WB181	-165.0
C-206.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / WB181	-187.5



**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
 REFER TO [TABLE 3A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-207.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	None	N/A	EverGuard TPO Fleece-Back Membrane / WB181	-195.0
C-208.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / WB181	-232.5
C-209.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-52.5
C-210.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-97.5
C-211.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-127.5
C-212.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-165.0
C-213.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-187.5
C-214.	Structural concrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	EverGuard TPO Fleece-Back Membrane / WB181	-195.0
C-215.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	(Optional) Additional layers base insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-225.0
C-216.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-232.5
C-217.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-240.0
C-218.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers of base insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-292.5
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN LRF ADHESIVE M OR LRF ADHESIVE O:</b>							
C-219.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	LRF-M	(Optional) Additional layers base insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0
C-220.	Structural concrete	(Optional) Min. 1-inch EnergyGuard RA	LRF-M	Min. 1.75-inch ACFoam Composite/GB	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0
C-221.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH. EnergyGuard RN	LRF-M	Min. 0.25-inch DensDeck Prime	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0
C-222.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0
C-223.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH. EnergyGuard RN	LRF-M	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0

**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**  
REFER TO [TABLE 3B](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-224.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	LRF-M	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0
C-225.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0
C-226.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Additional optional layers base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0
C-227.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Additional layers base insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
C-228.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
C-229.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard RN, EnergyGuard RM	LRF-M	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-67.5
C-230.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-165.0
C-231.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-180.0
C-232.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN	LRF-M	Optional additional layers base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-180.0
C-233.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN	LRF-M	Optional additional layers base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-180.0
C-234.	Structural concrete	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	None	N/A	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-195.0
C-235.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layers base insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-210.0
C-236.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-37.5
C-237.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0
C-238.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0
C-239.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Additional optional layers base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0

**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER  
REFER TO [TABLE 1](#) FOR VAPOR BARRIER OPTIONS**

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-240.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layers base insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
C-241.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
C-242.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-165.0
C-243.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-180.0
C-244.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	LRF-XF	Optional additional layers base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-180.0
C-245.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	LRF-XF	Optional additional layers base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-180.0
C-246.	Structural concrete	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	None	N/A	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-195.0
C-247.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	(Optional) Additional layers base insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0
C-248.	Structural concrete	(Optional) Min. 1-inch EnergyGuard RA	OB500	Min. 1.75-inch ACfoam Composite/GB	OB500	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0
C-249.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH. EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime	OB500	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0
C-250.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime	OB500	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0
C-251.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH. EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0
C-252.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH. EnergyGuard RN	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0
C-253.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0
C-254.	Structural concrete	Min. 1-inch EnergyGuard RA, EnergyGuard RH. EnergyGuard RN	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0
C-255.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0
C-256.	Structural concrete	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0

**TABLE 3A: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER  
REFER TO [TABLE 3B](#) FOR VAPOR BARRIER OPTIONS**

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-257.	Structural concrete	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-60.0
C-258.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers base insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
C-259.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
C-260.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-165.0
C-261.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-180.0
C-262.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN	OB500	Optional additional layers base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-180.0
C-263.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN	OB500	Optional additional layers base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-180.0
C-264.	Structural concrete	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-195.0
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN SPATTER APPLICATIONS:</b>							
C-265.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-165.0
C-266.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-180.0
C-267.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Additional layers base insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-180.0
C-268.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN	LRF-M	Optional additional layers base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-180.0
C-269.	Structural concrete	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	None	N/A	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-195.0
C-270.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-165.0
C-271.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-180.0
C-272.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layers base insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-180.0

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

REFER TO [NOTE 11](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
C-273.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	LRF-XF	Optional additional layers base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-180.0
C-274.	Structural concrete	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	None	N/A	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-195.0
C-275.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-165.0
C-276.	Structural concrete	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-180.0
C-277.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layers base insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-180.0
C-278.	Structural concrete	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN	OB500	Optional additional layers base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-180.0
C-279.	Structural concrete	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-195.0

**TABLE 3B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED BASE AND CAP PLY**

REFER TO [NOTE 11](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>		MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>	Base Ply	Cap Ply	
<b>HYBRID ROOFING SYSTEM:</b>								
C-280.	Structural concrete (ASTM D41 primed)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet or GAFGLAS #80 Ultima Base Sheet, Ruberoid 20 Smooth or Ruberoid Mop Smooth 1.5 / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt	-150.0
C-281.	Structural concrete (ASTM D41 primed)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Hot Asphalt	None	N/A	2-3 plies GAFGLAS Ply 4, GAFGLAS Ply 4 M, Tri-Ply Ply 4 Ply Sheet, GAFGLAS FlexPly 6 or GAFGLAS FlexPly 6 M / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt	-150.0
<b>ASPHALT-APPLIED BASE PLY:</b>								
C-282.	Structural concrete	EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RM or EnergyGuard RN	LRF-M or OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	Ruberoid 20 Smooth / hot asphalt	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-60.0
C-283.	Structural concrete	(Optional) EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RM or EnergyGuard RN	LRF-M or OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	Ruberoid 20 Smooth / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 4-inch o.c.	-180.0

**TABLE 3B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED BASE AND CAP PLY**

REFER TO [TABLE 1](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer		Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>		MDP (psf)
		Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>	Base Ply	Cap Ply	
C-284.	Structural concrete	EnergyGuard Polyiso Insulation or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	Ruberoid 20 Smooth / hot asphalt	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-60.0
C-285.	Structural concrete	(Optional) EnergyGuard Polyiso Insulation or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	Ruberoid 20 Smooth / hot asphalt	EverGuard TPO Fleece-Back Membrane / hot asphalt, OB500 (spatter), LRF-XF (spatter) or LRF-O, 4-inch o.c.	-180.0
<b>TORCH-APPLIED BASE PLY:</b>								
C-286.	Structural concrete	EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RM or EnergyGuard RN	LRF-M or OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	Ruberoid HW 25 Smooth / torch-applied	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-60.0
C-287.	Structural concrete	(Optional) EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RM or EnergyGuard RN	LRF-M or OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	Ruberoid HW 25 Smooth / torch-applied	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 4-inch o.c.	-180.0
C-288.	Structural concrete	EnergyGuard Polyiso Insulation or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	Ruberoid HW 25 Smooth / torch-applied	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-60.0
C-289.	Structural concrete	(Optional) EnergyGuard Polyiso Insulation or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	Ruberoid HW 25 Smooth / torch-applied	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 4-inch o.c.	-180.0
<b>SELF-ADHERING BASE PLY:</b>								
C-290.	Structural concrete	EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RM or EnergyGuard RN	LRF-M or OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	Liberty SBS Self-Adhering Cap Sheet / self-adhered	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-60.0
C-291.	Structural concrete	(Optional) EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RM or EnergyGuard RN	LRF-M or OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M or OB500	Liberty SBS Self-Adhering Cap Sheet / self-adhered	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 4-inch o.c.	-180.0
C-292.	Structural concrete	EnergyGuard Polyiso Insulation or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	Liberty SBS Self-Adhering Cap Sheet / self-adhered	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-60.0
C-293.	Structural concrete	(Optional) EnergyGuard Polyiso Insulation or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	Liberty SBS Self-Adhering Cap Sheet / self-adhered	EverGuard TPO Fleece-Back Membrane / hot asphalt, LRF-XF (spatter) or OB500 (spatter) or LRF-O, 4-inch o.c.	-180.0

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

System No.	Deck <a href="#">(Note 1)</a>	Roof Cover <a href="#">(Note 15)</a>	MDP (psf)
C-294.	Min. 2,500 psi structural concrete	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
C-295.	Min. 2,500 psi structural concrete	EverGuard TPO Fleece-Back Membrane / WB181	-300.0
C-296.	Min. 3,000 psi structural concrete primed with Matrix™ 307 Premium Asphalt Primer.	EverGuard TPO Fleece-Back Membrane / Hot asphalt	-390.0
C-297.	Min. 2,500 psi structural concrete	EverGuard TPO Fleece-Back Membrane / OB500 (spatter)	-435.0

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

System No.	Deck <a href="#">(Note 1)</a>	Lightweight Concrete <a href="#">(Note 14)</a>	Base Insulation Layer		Coverboard		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
			Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
<b>ELASTIZELL (NOA 18-0208.03):</b>								
<b>EVERGUARD FREEDOM TPO:</b>								
LWC-1.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard Freedom TPO / self-adhered	-142.5
LWC-2.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard Freedom TPO / self-adhered	-142.5
LWC-3.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard Freedom TPO / self-adhered	-225.0
<b>EVERGUARD SA TPO:</b>								
LWC-4.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard SA TPO / self-adhered	-142.5
LWC-5.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard SA TPO / self-adhered	-142.5
LWC-6.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard SA TPO / self-adhered	-225.0
<b>EVERGUARD TPO / EVERGUARD TPO 1121 BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:</b>								
LWC-7.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	Min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-120.0
LWC-8.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-130.0
LWC-9.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-180.0
LWC-10.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-165.0
LWC-11.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-180.0
LWC-12.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-180.0
<b>EVERGUARD TPO / EVERGUARD WB181 BONDING ADHESIVE:</b>								

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

System No.	Deck <a href="#">(Note 1)</a>	Lightweight Concrete <a href="#">(Note 14)</a>	Base Insulation Layer		Coverboard		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
			Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
LWC-13.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	Min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / WB181	-120.0
LWC-14.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / WB181	-130.0
LWC-15.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO / WB181	-165.0
LWC-16.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO / WB181	-180.0
LWC-17.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / WB181	-180.0
<b>EVERGUARD TPO / EVERGUARD TPO 6 SQUARE LOW VOC BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:</b>								
LWC-18.	Structural concrete	Min. 200 psi, min. 2-inch thick Elastizell Range II LWC	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN, min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0
<b>MEARLCRETE (FL13492):</b>								
<b>EVERGUARD FREEDOM TPO:</b>								
LWC-19.	Structural concrete	Min. 250 psi, min. 2-inch Mearlcrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	EverGuard Freedom TPO / self-adhered	-75.0
<b>EVERGUARD SA TPO:</b>								
LWC-20.	Structural concrete	Min. 250 psi, min. 2-inch Mearlcrete	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	EverGuard SA TPO / self-adhered	-75.0
<b>PRE-EXISTENT CELLULAR LWC <a href="#">(Note 14)</a>:</b>								
<b>EVERGUARD TPO / EVERGUARD TPO 1121 BONDING ADHESIVE:</b>								
LWC-21.	Structural concrete	Min. 290 psi, min. 3-inch thick pre-existent cellular lightweight insulating concrete	Min. 1-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	OB500	(Optional) Additional layer(s) base insulation	OB500	EverGuard TPO / TPO 1121	-47.5
LWC-22.	Structural concrete	Min. 290 psi, min. 3-inch thick pre-existent cellular lightweight insulating concrete	(Optional) Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard RM	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 1121	-67.5
<b>EVERGUARD TPO / EVERGUARD WB181 BONDING ADHESIVE:</b>								
LWC-23.	Structural concrete	Min. 290 psi, min. 3-inch thick pre-existent cellular lightweight insulating concrete	Min. 1-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer(s) base insulation	OB500	EverGuard TPO / WB181	-47.5



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

System No.	Deck <a href="#">(Note 1)</a>	Lightweight Concrete <a href="#">(Note 14)</a>	Base Insulation Layer		Coverboard		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
			Type	Attach <a href="#">(Notes 6,7,8)</a>	Type	Attach <a href="#">(Notes 6,7,8)</a>		
LWC-24.	Structural concrete	Min. 290 psi, min. 3-inch thick pre-existent cellular lightweight insulating concrete	(Optional) Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard RM	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / WB181	-47.5
<b>EVERGUARD TPO / EVERGUARD TPO 6 SQUARE LOW VOC BONDING ADHESIVE:</b>								
LWC-25.	Structural concrete	Min. 290 psi, min. 3-inch thick pre-existent cellular lightweight insulating concrete	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RA or EnergyGuard RH	OB500	(Optional) Additional layer(s) base insulation	OB500	EverGuard TPO / TPO 6-Square	-47.5
LWC-26.	Structural concrete	Min. 290 psi, min. 3-inch thick pre-existent cellular lightweight insulating concrete	(Optional) Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra Polyiso Insulation, EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard RM	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 6-Square	-67.5
<b>EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY ADHESIVE:</b>								
LWC-27.	Structural concrete	Min. 400 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; <b>Note:</b> Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), <b>117 lbf or greater</b> when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a> .	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO / TPO QSA	-165.0
LWC-28.	Structural concrete	Min. 400 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; <b>Note:</b> Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), <b>117 lbf or greater</b> when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a> .	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO QSA	-180.0
LWC-29.	Structural concrete	Min. 400 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; <b>Note:</b> Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), <b>117 lbf or greater</b> when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a> .	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board	LRF-XF	None	N/A	EverGuard TPO / TPO QSA	-230.0
LWC-30.	Structural concrete	Min. 400 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; <b>Note:</b> Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), <b>117 lbf or greater</b> when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a> .	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	None	N/A	EverGuard TPO / TPO QSA	-140.0

**TABLE 4B: LIGHTWEIGHT CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-2: LWC TO DECK, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Lightweight Concrete <a href="#">(Note 14)</a>	Anchor Sheet			Insulation			Roof Cover <a href="#">(Note 15)</a>		MDP <a href="#">(psf)</a>
			Type	Fastener <a href="#">(Note 11)</a>	Attach	Base	Top	Attach <a href="#">(Notes 6,7,8)</a>	Base Ply	Cap Ply	
<b>CELCORE (FL2037):</b>											
LWC-31.	Min. 22 ga., type BV, Grade 33 steel	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	EverGuard Freedom TPO or EverGuard SA TPO / self-adhered	-45.0
LWC-32.	Min. 22 ga., type BV, Grade 33 steel	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	Min. 0.25-inch DensDeck Prime, DEXCell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	OB500	None	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square	-45.0
LWC-33.	Min. 22 ga., type BV, Grade 33 steel	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	Min. 0.25-inch DensDeck Prime, DEXCell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	None	EverGuard TPO / WB181	-45.0
LWC-34.	Min. 22 ga., type BV, Grade 33 steel	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	None	EverGuard TPO Fleece-Back Membrane / WB181	-45.0

**TABLE 4c: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-2: LWC TO DECK, MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Lightweight Concrete <a href="#">(Note 14)</a>	Anchor Sheet			Insulation			Roof Cover <a href="#">(Note 15)</a>		MDP <a href="#">(psf)</a>
			Type	Fastener <a href="#">(Note 11)</a>	Attach	Base	Top	Attach <a href="#">(Notes 6,7,8)</a>	Base Ply	Cap Ply	
<b>CELCORE (FL2037):</b>											
LWC-35.	Structural concrete	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	EverGuard Freedom TPO or EverGuard SA TPO / Self-adhered	-45.0
LWC-36.	Structural concrete	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	Min. 0.25-inch DensDeck Prime, DEXCell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	OB500	None	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square	-45.0
LWC-37.	Structural concrete	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	Min. 0.25-inch DensDeck Prime, DEXCell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	None	EverGuard TPO / WB181	-45.0
LWC-38.	Structural concrete	Minimum 300 psi, minimum 2-inch thick Celcore Cellular Concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.)	9-inch o.c. at the 2-inch side lap and 9-inch o.c. at two, equally spaced, staggered rows in the center of the sheet	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	None	EverGuard TPO Fleece-Back Membrane / WB181	-45.0

**TABLE 4D: LIGHTWEIGHT CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Lightweight Concrete <a href="#">(Note 14)</a>	Base Sheet			Roof Cover <a href="#">(Note 15)</a>		MDP <a href="#">(psf)</a>
			Type	Fastener <a href="#">(Note 11)</a>	Attach	Base	Cap	
<b>MEARLCRETE (FL13492):</b>								
<b>EVERGUARD FREEDOM TPO:</b>								
LWC-39.	Min. 22 ga., type B, Grade 33 vented steel at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Mearlcrete	GAF StormSafe Anchor Sheet	Drill-Tec Locking Impact Nail, min. 1.8-inch	7.5-inch o.c. in the 4-inch lap and 12-inch o.c. in three, equally spaced, staggered rows in the center of the sheet	None	EverGuard Freedom TPO	-52.5
<b>PRE-EXISTENT CELLULAR LWC:</b>								
<b>EVERGUARD FREEDOM TPO:</b>								
LWC-40.	Min. 22 ga., type B, Grade 33 vented steel at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 250-300 psi, min. 2-inch thick pre-existent cellular lightweight concrete	GAF StormSafe Anchor Sheet	Drill-Tec #12 screws and Drill-Tec AccuTrac Flat Plate (engage steel deck)	12-inch o.c. at the 4-inch lap and 12-inch o.c. in three, equally spaced, staggered rows in the center of the sheet	None	EverGuard Freedom TPO	-45.0
<b>HYBRID SYSTEMS:</b>								
LWC-41.	Min. 22 ga., type B, Grade 40 vented steel at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 340 psi, min. 2-inch thick pre-existent cellular lightweight concrete. <b>Note: Fastener withdrawal, 60 lbf or greater when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a></b>	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.), Drill-Tec Locking Impact Nail	7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	(Optional) One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or one or two plies Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in hot asphalt	-52.5
LWC-42.	Min. 22 ga., type B, Grade 40 vented steel at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 340 psi, min. 2-inch thick pre-existent cellular lightweight concrete. <b>Note: Fastener withdrawal, 60 lbf or greater when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a></b>	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Stratavent Nailable Venting Base Sheet, Ruberoid 20 Smooth	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.), Drill-Tec Locking Impact Nail	7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	One or two plies Ruberoid 20 Smooth, Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth in hot asphalt or one or two plies Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in LRF-XF (spatter) or OB500 (spatter)	-52.5
LWC-43.	Min. 22 ga., type B, Grade 50 steel at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 180 psi, min. 3-inch thick pre-existent cellular lightweight concrete.	Ruberoid Mop Smooth 1.5 or Ruberoid Mop Smooth	Drill-Tec XHD Fastener with Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec Eyehook AccuSeam Plate, fastened through LWC to engage steel deck	Fastener located 3.75-inch from edge of sheet, and spaced 12-inch o.c. within the min. 6.25-inch wide laps. Laps sealed with min. 4-inch wide heat-weld, encapsulating the fastener row	(Optional) Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch-applied	EverGuard TPO Fleece-Back Membrane in LRF-XF (spatter) or OB500 (spatter)	-60.0
LWC-44.	Min. 22 ga., type BV, Grade 40 steel at max. 6 ft spans or min. 2,500 psi structural concrete	Re-Roof Only: Min. 210 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, 95 lbf or greater when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a>.</b>	Ruberoid 20 Smooth	Drill-Tec Base Sheet Fastener (1.7 in.) or Drill-Tec Base Sheet Fastener E (1.7 in.), Drill-Tec Locking Impact Nail	7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch applied	EverGuard TPO Fleece-Back Membrane in hot asphalt	-82.5

**TABLE 4D: LIGHTWEIGHT CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 11)	Attach	Base	Cap	
LWC-45.	Min. 22 ga., type BV, Grade 40 steel at max. 6 ft spans or min. 2,500 psi structural concrete	Re-Roof Only: Min. 210 psi, min. 2-inch thick pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, 95 lbf or greater when tested per ANSI/SPRI FX-1 or TAS 105.</b>	GAFGLAS #80 Ultima Base Sheet or GAFGLAS Stratavent Nailable Venting Base Sheet	Drill-Tec Base Sheet Fastener (1.7 in.), Drill-Tec Locking Impact Nail	7-inch o.c. at min. 4-inch laps and 7-inch o.c. in two, equally spaced, staggered center rows	Ruberoid HW 25 Smooth or Ruberoid HW Smooth, torch applied	EverGuard TPO Fleece-Back Membrane in hot asphalt	-82.5

**TABLE 4E: LIGHTWEIGHT CONCRETE OVER STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)			Roof Cover (Note 15)		MDP (psf)
		Type	Min. Compressive Strength (psi)	Min. Thickness (in)	Type	Attach	
<b>CELCORE (FL2037):</b>							
LWC-46.	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft spans	Deck treatment: Celcore S-1 Deck Preparation Slurry LWC: Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture Surface treatment: Celcore PVA Curing Compound	310	2	EverGuard TPO Fleece-Back Membrane	LRF-M or LRF-O, 6-inch o.c.	-82.5
LWC-47.	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft spans	Deck treatment: Celcore S-1 Deck Preparation Slurry LWC: Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture Surface treatment: Celcore PVA Curing Compound	310	2	EverGuard TPO Fleece-Back Membrane	OlyBond 500 (spatter)	-82.5
<b>CONCRECEL (FL5584 AND FL10500):</b>							
LWC-48.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans	Concrecel	290	2	EverGuard TPO Fleece-Back Membrane	OB500 (spatter)	-52.5
<b>ELASTIZELL (NOA 18-0208.03):</b>							
LWC-49.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans	Elastizell	290	2	EverGuard TPO Fleece-Back Membrane	OB500 (spatter)	-52.5
LWC-50.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans	Elastizell	160	3	EverGuard TPO Fleece-Back Membrane	OB500 (spatter)	-60.0
<b>MEARLCRETE (FL13492):</b>							
LWC-51.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans	Mearlcrete	300	2	EverGuard TPO Fleece-Back Membrane	EverGuard WB181 Bonding Adhesive	-52.5
LWC-52.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans	Mearlcrete	300	2	EverGuard TPO Fleece-Back Membrane	LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-52.5
LWC-53.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans	Mearlcrete	300	2	EverGuard TPO Fleece-Back Membrane	OB500 (spatter)	-52.5
LWC-54.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans	Mearlcrete	290	2	EverGuard TPO Fleece-Back Membrane	OB500 (spatter)	-52.5
<b>PRE-EXISTENT CELLULAR LWC:</b>							

**TABLE 4E: LIGHTWEIGHT CONCRETE OVER STEEL DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Lightweight Concrete <a href="#">(Note 14)</a>			Roof Cover <a href="#">(Note 15)</a>		MDP <a href="#">(psf)</a>
		Type	Min. Compressive Strength (psi)	Min. Thickness (in)	Type	Attach	
LWC-55.	Min. 22 ga., type BV, Grade 33 steel; 6 ft spans	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 117 lbf or greater when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a>.</b>	400	2	EverGuard TPO	TPO 1121, TPO QSA or TPO QSA LV50	-52.5
LWC-56.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 97 lbf or greater when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a>.</b>	180	2	EverGuard TPO Fleece-Back Membrane	EverGuard WB181 Bonding Adhesive	-52.5
LWC-57.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 97 lbf or greater when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a>.</b>	180	2	EverGuard TPO Fleece-Back Membrane	OB500 (spatter)	-52.5
LWC-58.	Min. 22 ga., type BV, Grade 33 steel; 6 ft spans	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 117 lbf or greater when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a>.</b>	400	2	EverGuard TPO Fleece-Back Membrane	LRF-XF (spatter)	-52.5

**TABLE 4F: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)**  
**SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Lightweight Concrete <a href="#">(Note 14)</a>			Roof Cover <a href="#">(Note 15)</a>		MDP <a href="#">(psf)</a>
		Type	Min. Compressive Strength (psi)	Min. Thickness (in)	Type	Attach	
<b>CELCORE (FL2037):</b>							
LWC-59.	Structural concrete	Celcore Cellular Concrete	200	2	EverGuard TPO Fleece-Back Membrane	LRF-M or LRF-O, ribbons 4-inch o.c.	-300.0
LWC-60.	Structural concrete	Celcore Cellular Concrete	200	2	EverGuard TPO Fleece-Back Membrane	OB500 (spatter)	-300.0
<b>CONCRECEL (FL5584 AND FL10500):</b>							
LWC-61.	Structural concrete	Concrecel	200	2	EverGuard TPO Fleece-Back Membrane	EverGuard WB181 Bonding Adhesive	-225.0
LWC-62.	Structural concrete	Concrecel	200	2	EverGuard TPO Fleece-Back Membrane	OB500 (spatter)	-225.0
LWC-63.	Structural concrete	Concrecel	200	2	EverGuard TPO Fleece-Back Membrane	LRF-M or LRF-O, ribbons 4-inch o.c.	-225.0
<b>ELASTIZELL (NOA 18-0208.03):</b>							
LWC-64.	Structural concrete	Elastizell	220	2	EverGuard TPO Fleece-Back Membrane	EverGuard WB181 Bonding Adhesive	-200.0
LWC-65.	Structural concrete	Elastizell	220	2	EverGuard TPO Fleece-Back Membrane	OB500 (spatter)	-200.0
LWC-66.	Structural concrete	Elastizell	200	2	EverGuard TPO Fleece-Back Membrane	LRF-M or LRF-O, ribbons 4-inch o.c.	-210.0
<b>SIPLAST INSULCEL (NOA 21-1020.03):</b>							
LWC-67.	Structural concrete	Insulcel	200	2	EverGuard TPO Fleece-Back Membrane	LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-270.0

**TABLE 4F: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER**

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)			Roof Cover (Note 15)		MDP (psf)
		Type	Min. Compressive Strength (psi)	Min. Thickness (in)	Type	Attach	
LWC-68.	Structural concrete	Insulcel	200	2	EverGuard TPO Fleece-Back Membrane	OB500 (spatter)	-270.0
<b>MEARLCRETE (FL13492):</b>							
LWC-69.	Structural concrete	Mearlcrete	730	2	EverGuard TPO Fleece-Back Membrane	LRF-M or LRF-O, ribbons 6-inch o.c.	-45.0
LWC-70.	Structural concrete	Mearlcrete	290	2	EverGuard TPO Fleece-Back Membrane	EverGuard WB181 Bonding Adhesive	-205.0
LWC-71.	Structural concrete	Mearlcrete	290	2	EverGuard TPO Fleece-Back Membrane	OB500 (spatter)	-205.0
LWC-72.	Structural concrete	Mearlcrete	200	2	EverGuard TPO Fleece-Back Membrane	LRF-M or LRF-O, ribbons 4-inch o.c.	-270.0
<b>PRE-EXISTENT CELLULAR LWC:</b>							
LWC-73.	Structural concrete	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 97 lbf or greater when tested per ANSI/SPRI FX-1 or TAS 105.</b>	180	2	EverGuard TPO Fleece-Back Membrane	LRF-M, ribbons 4-inch o.c.	-92.5
LWC-74.	Structural concrete	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 97 lbf or greater when tested per ANSI/SPRI FX-1 or TAS 105.</b>	180	2	EverGuard TPO Fleece-Back Membrane	EverGuard WB181 Bonding Adhesive	-102.5
LWC-75.	Structural concrete	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 97 lbf or greater when tested per ANSI/SPRI FX-1 or TAS 105.</b>	180	2	EverGuard TPO Fleece-Back Membrane	OB500 (spatter)	-102.5
LWC-76.	Structural concrete	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 97 lbf or greater when tested per ANSI/SPRI FX-1 or TAS 105.</b>	180	2	EverGuard TPO Fleece-Back Membrane	LRF-O, ribbons 4-inch o.c.	-112.5
LWC-77.	Structural concrete	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 117 lbf or greater when tested per ANSI/SPRI FX-1 or TAS 105.</b>	400	2	EverGuard TPO	TPO 1121	-127.5
LWC-78.	Structural concrete	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 117 lbf or greater when tested per ANSI/SPRI FX-1 or TAS 105.</b>	400	2	EverGuard TPO Fleece-Back Membrane	LRF-XF (spatter)	-130.0
LWC-79.	Structural concrete	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 117 lbf or greater when tested per ANSI/SPRI FX-1 or TAS 105.</b>	400	2	EverGuard TPO	TPO QSA	-150.0
LWC-80.	Structural concrete	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 117 lbf or greater when tested per ANSI/SPRI FX-1 or TAS 105.</b>	400	2	EverGuard TPO	TPO QSA LV50	-154.0
LWC-81.	Structural concrete	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 178 lbf or greater when tested per ANSI/SPRI FX-1 or TAS 105.</b>	540	2	EverGuard TPO	EverGuard TPO TPO 1121 BA	-487.5

**TABLE 4G: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE F: TEMP ROOF / VAPOR BARRIER TO DECK, LWC TO TEMP ROOF / VAPOR BARRIER, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Primer	Temp Roof / Vapor Barrier	Lightweight Concrete <a href="#">(Note 14)</a>			Roof Cover <a href="#">(Note 15)</a>		MDP <a href="#">(psf)</a>
				Type	Min. Compressive Strength (psi)	Min. Thickness (in)	Type	Attach	
<b>PRE-EXISTENT CELLULAR LWC:</b>									
LWC-82.	Structural concrete	Matrix 307 Premium Asphalt Primer	Ruberoid HW Smooth, torch-applied	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 97 lbf or greater when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a>.</b>	180	2	EverGuard TPO Fleece-Back Membrane	EverGuard WB181 Bonding Adhesive	-102.5
LWC-83.	Structural concrete	Matrix 307 Premium Asphalt Primer	Ruberoid HW Smooth, torch-applied	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 97 lbf or greater when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a>.</b>	180	2	EverGuard TPO Fleece-Back Membrane	LRF-M, ribbons 4-inch o.c.	-92.5
LWC-84.	Structural concrete	Matrix 307 Premium Asphalt Primer	Ruberoid HW Smooth, torch-applied	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 97 lbf or greater when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a>.</b>	180	2	EverGuard TPO Fleece-Back Membrane	LRF-O, ribbons 4-inch o.c.	-112.5
LWC-85.	Structural concrete	Matrix 307 Premium Asphalt Primer	Ruberoid HW Smooth, torch-applied	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 97 lbf or greater when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a>.</b>	180	2	EverGuard TPO Fleece-Back Membrane	OB500 (spatter)	-102.5
LWC-86.	Structural concrete	Matrix 307 Premium Asphalt Primer	Ruberoid HW Smooth, torch-applied	Pre-existent cellular lightweight insulating concrete; <b>Note: Fastener withdrawal, Drill-Tec™ Base Sheet Fastener (1.7 in.), 146 lbf or greater when tested per <a href="#">ANSI/SPRI FX-1</a> or <a href="#">TAS 105</a>.</b>	540	2	EverGuard TPO Fleece-Back Membrane	OB500 (spatter)	-357.5



**TABLE 5A: CEMENTITIOUS WOOD FIBER DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck ( <a href="#">Note 1</a> and <a href="#">Note 12</a> )	Base Insulation Layer		Top Insulation Layer		Roof Cover ( <a href="#">Note 15</a> )	MDP (psf)
		Type	Attach ( <a href="#">Notes 6,7,8</a> )	Type	Attach ( <a href="#">Notes 6,7,8</a> )		
<b>EVERGUARD FREEDOM TPO:</b>							
CWF-1.	Existing Tectum	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	EverGuard Freedom TPO / self-adhered	-45.0
<b>EVERGUARD SA TPO:</b>							
CWF-2.	Existing Tectum	Min. 1-inch EnergyGuard Polyiso Insulation or EnergyGuard RA	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	EverGuard SA TPO / self-adhered	-45.0
<b>EVERGUARD TPO:</b>							
CWF-3.	Existing Tectum	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	EverGuard TPO / TPO 1121, TPO 3-Square, WB181	-45.0
CWF-4.	New or existing (reroof) Min. 2-inch Tectum I Plank	Min. 2-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c. to back-side of insulation	(Optional) Additional layers base insulation, flat or tapered	OB500, 6-inch o.c.	EverGuard TPO / TPO 1121	-120.0
CWF-5.	New or existing (reroof) Min. 2-inch Tectum I Plank	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RM, EnergyGuard RN or EnergyGuard Ultra	OB500, 6-inch o.c. to back-side of insulation	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500, 6-inch o.c.	EverGuard TPO / TPO 1121	-127.5
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE:</b>							
CWF-6.	Existing Tectum	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	LRF-M	(Optional) Additional layers base insulation, flat or tapered	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0
CWF-7.	Existing Tectum	(Optional) Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RH	LRF-M	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0
CWF-8.	Existing Tectum	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	(Optional) Additional layers base insulation, flat or tapered	OB500	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0
CWF-9.	Existing Tectum	(Optional) Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0
CWF-10.	New or existing (reroof) Min. 2-inch Tectum I Plank	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RM, EnergyGuard RN	OB500, 6-inch o.c. to back-side of insulation	(Optional) Additional layers base insulation, flat or tapered	OB500, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-120.0
CWF-11.	New or existing (reroof) Min. 2-inch Tectum I Plank	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard RH, EnergyGuard RM, EnergyGuard RN or EnergyGuard Ultra	OB500, 6-inch o.c. to back-side of insulation	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-127.5

**TABLE 5B: CEMENTITIOUS WOOD FIBER DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER  
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer <a href="#">(Note 13)</a>	Top Insulation Layer			Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
			Type	Fastener <a href="#">(Note 11)</a>	Attach		
CWF-12.	Existing Tectum	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard RN or EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate or Drill-Tec LD Fastener with Drill-Tec LD Plate; Minimum 2-inch fastener embedment.	1 per 2.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
CWF-13.	Existing (reroof) Min. 2.5-inch Tectum Plank or Tectum LS Plank	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
CWF-14.	New or existing (reroof/recover) Min. 3-inch Tectum I Plank	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Drill-Tec Locking Impact Nail (min. 1.8-inch embedment)	1 per 1.3 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square	-52.5
CWF-15.	New or existing (reroof/recover) Min. 3-inch Tectum I Plank	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Drill-Tec Locking Impact Nail (min. 1.8-inch embedment)	1 per 1.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c. or LRF-XF (spatter) or OB500 (spatter)	-52.5

**TABLE 5c: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)  
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Primer	Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
CWF-16.	Min. 2-inch Tectum Plank	None	EverGuard TPO Fleece-Back Membrane / OB500 (spatter)	-207.5
CWF-17.	Min. 2-inch Tectum Plank	None	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter)	-285.0

**TABLE 6A: GYPSUM DECKS - REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck ( <a href="#">Note 1</a> and <a href="#">Note 12</a> )	Base Insulation Layer		Top Insulation Layer		Roof Cover ( <a href="#">Note 15</a> )	MDP (psf)
		Type	Attach ( <a href="#">Notes 6,7,8</a> )	Type	Attach ( <a href="#">Notes 6,7,8</a> )		
<b>EVERGUARD FREEDOM TPO:</b>							
G-1.	Existing gypsum deck	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard Freedom TPO / self-adhered	-135.0
G-2.	Existing gypsum deck	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard Freedom TPO / self-adhered	-142.5
G-3.	Existing gypsum deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard Freedom TPO / self-adhered	-142.5
G-4.	Existing gypsum deck	Min. 1-inch EnergyGuard RA	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard Freedom TPO / self-adhered	-187.5
<b>EVERGUARD SA TPO:</b>							
G-5.	Existing gypsum deck	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard SA TPO / self-adhered	-135.0
G-6.	Existing gypsum deck	Min. 1-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard SA TPO / self-adhered	-142.5
G-7.	Existing gypsum deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard SA TPO / self-adhered	-142.5
G-8.	Existing gypsum deck	Min. 1-inch EnergyGuard RA	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard SA TPO / self-adhered	-187.5
<b>EVERGUARD TPO / EVERGUARD TPO 1121 BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:</b>							
G-9.	Existing gypsum deck	Min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-120.0
G-10.	Existing gypsum deck	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck, DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-130.0
G-11.	Existing gypsum deck	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-135.0
G-12.	Existing gypsum deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard SA TPO / self-adhered	-165.0
G-13.	Existing gypsum deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard SA TPO / self-adhered	-187.5
G-14.	Existing gypsum deck	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RA	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-210.0
<b>EVERGUARD TPO / EVERGUARD WB181 BONDING ADHESIVE:</b>							
G-15.	Existing gypsum deck	Min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / WB181	-120.0
G-16.	Existing gypsum deck	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / WB181	-130.0
G-17.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / WB181	-135.0
G-18.	Existing gypsum deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / WB181	-135.0

**TABLE 6A: GYPSUM DECKS - REROOF (TEAR-OFF)  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

System No.	Deck ( <a href="#">Note 1</a> and <a href="#">Note 12</a> )	Base Insulation Layer		Top Insulation Layer		Roof Cover ( <a href="#">Note 15</a> )	MDP (psf)
		Type	Attach ( <a href="#">Notes 6,7,8</a> )	Type	Attach ( <a href="#">Notes 6,7,8</a> )		
G-19.	Existing gypsum deck	Min. 1-inch EnergyGuard RA	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / WB181	-210.0
<b>EVERGUARD TPO / EVERGUARD TPO 6 SQUARE LOW VOC BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:</b>							
G-20.	Existing gypsum deck	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN or EnergyGuard Ultra, min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0
G-21.	Existing gypsum deck	Min. 1.5-inch EnergyGuard RA, EnergyGuard RN or EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-135.0
G-22.	Existing gypsum deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-135.0
<b>EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY:</b>							
G-23.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layers of base insulation	OB500	EverGuard TPO / TPO QSA	-82.5
G-24.	Existing gypsum deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO QSA	-82.5
G-25.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO QSA	-97.5
G-26.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO QSA	-210.0
<b>EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY LV 50:</b>							
G-27.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO QSA LV50	-97.5
G-28.	Existing gypsum deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO / TPO QSA LV50	-165.0
G-29.	Existing gypsum deck	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO QSA LV50	-187.5
G-30.	Existing gypsum deck	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	None	N/A	EverGuard TPO / TPO QSA LV50	-195.0
G-31.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch DensDeck Prime	OB500	EverGuard TPO / TPO QSA LV50	-202.5
G-32.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layers of base insulation	OB500	EverGuard TPO / TPO QSA LV50	-210.0
G-33.	Existing gypsum deck	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	OB500	Additional optional layers base insulation followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA LV50	-210.0
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE:</b>							

TABLE 6A: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER								
System No.	Deck ( <a href="#">Note 1</a> and <a href="#">Note 12</a> )	Base Insulation Layer			Top Insulation Layer		Roof Cover ( <a href="#">Note 15</a> )	MDP (psf)
		Type	Attach ( <a href="#">Notes 6,7,8</a> )		Type	Attach ( <a href="#">Notes 6,7,8</a> )		
G-34.	Existing gypsum deck	Min. 1-inch EnergyGuard RH	OB500		(Optional) Additional layer of base insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-O, 6-inch o.c.	-75.0

TABLE 6B: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck ( <a href="#">Note 1</a> )	Anchor Sheet			Temp Roof	Base Insulation		Top Insulation		Roof Cover ( <a href="#">Note 15</a> )	MDP (psf)
		Type	Fastener ( <a href="#">Note 11</a> )	Attach		Type	Attach ( <a href="#">Notes 6,7,8</a> )	Type	Attach ( <a href="#">Notes 6,7,8</a> )		
G-35.	Existing gypsum deck	GAFGLAS #75 Base Sheet or Tri-Ply #75 Base Sheet	Drill-Tec Base Sheet Fastener (1.2 in.) or Drill-Tec Base Sheet Fastener E (1.2 in.) (W/D ≥ 105 lbf)	9-inch o.c. in the min. 2-inch laps and 18-inch o.c. in two, equally spaced center rows	Ruberoid 25 Smooth, SBS HW Smooth, Ruberoid Torch Smooth or Tri-Ply APP Smooth	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch Structodek HD Fiberboard Roof Insulation	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*

TABLE 6C: GYPSUM DECKS - REROOF (TEAR-OFF) SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER									
System No.	Deck ( <a href="#">Note 1</a> )	Base Insulation Layer			Top Insulation Layer			Roof Cover ( <a href="#">Note 15</a> )	MDP (psf)
		Type	Fasten ( <a href="#">Note 11</a> )	Attach	Type	Attach ( <a href="#">Notes 6,7,8</a> )			
<b>EVERGUARD FREEDOM TPO:</b>									
G-36.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard Freedom TPO / self-adhered	-45.0*	
G-37.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard Freedom TPO / self-adhered	-45.0*	
G-38.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard Freedom TPO / self-adhered	-45.0*	
G-39.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard Freedom TPO / self-adhered	-45.0*	
G-40.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard Freedom TPO / self-adhered	-45.0*	
G-41.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard Freedom TPO / self-adhered	-45.0*	

**TABLE 6c: GYPSUM DECKS - REROOF (TEAR-OFF)**  
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
G-42.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard Freedom TPO / self-adhered	-45.0*
G-43.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard Freedom TPO / self-adhered	-45.0*
G-44.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard Freedom TPO / self-adhered	-45.0*
G-45.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard Freedom TPO / self-adhered	-45.0*
<b>EVERGUARD SA TPO:</b>								
G-46.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard SA TPO / self-adhered	-45.0*
G-47.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard SA TPO / self-adhered	-45.0*
G-48.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard SA TPO / self-adhered	-45.0*
G-49.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard SA TPO / self-adhered	-45.0*
G-50.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard SA TPO / self-adhered	-45.0*
G-51.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard SA TPO / self-adhered	-45.0*
G-52.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard SA TPO / self-adhered	-45.0*
G-53.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard SA TPO / self-adhered	-45.0*
G-54.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH followed by min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard SA TPO / self-adhered	-45.0*

**TABLE 6C: GYPSUM DECKS - REROOF (TEAR-OFF)**  
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
G-55.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard SA TPO / self-adhered	-45.0*
<b>EVERGUARD TPO:</b>								
G-56.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
G-57.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
G-58.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
G-59.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
G-60.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
G-61.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
G-62.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
G-63.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
G-64.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
G-65.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE:</b>								

**TABLE 6c: GYPSUM DECKS - REROOF (TEAR-OFF)**  
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
G-66.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181 or LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
G-67.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181 or LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
G-68.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181 or LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
G-69.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0*
G-70.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181 or LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
G-71.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0*
G-72.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181 or LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
G-73.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0*
G-74.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181 or LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*



**TABLE 6C: GYPSUM DECKS - REROOF (TEAR-OFF)**  
**SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER**

System No.	Deck <a href="#">(Note 1)</a>	Base Insulation Layer			Top Insulation Layer		Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a>
		Type	Fasten <a href="#">(Note 11)</a>	Attach	Type	Attach <a href="#">(Notes 6,7,8)</a>		
G-75.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Min. 0.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH and/or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181 or LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
G-76.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / WB181 or LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
G-77.	Existing gypsum deck	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0*
G-78.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / WB181 or LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
G-79.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	Optional min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0*
G-80.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / WB181 or LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
G-81.	Existing gypsum deck	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 3.2 ft <sup>2</sup>	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0*

**TABLE 6D: GYPSUM DECKS - REROOF (TEAR-OFF)  
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	Fastener (Note 11)	Attach		
G-82.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard RN or EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate or Drill-Tec LD Fastener with Drill-Tec LD Plate (Minimum 2-inch fastener embedment)	1 per 2.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
G-83.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
G-84.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment); 8 parts per min. 4 x 8 ft board with parts installed 24-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 4.0 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
G-85.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	EverGuard Freedom TPO / self-adhered	-45.0*
G-86.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhered	-45.0*
G-87.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment); 8 parts per min. 4 x 8 ft board with parts installed 24-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 4.0 ft <sup>2</sup>	EverGuard SA TPO / self-adhered	-45.0*
G-88.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
G-89.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment); 8 parts per min. 4 x 8 ft board with parts installed 24-inch o.c. in two parallel rows, 12 inches from the 8 ft edges of the board	1 per 4.0 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
G-90.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square, WB181	-45.0*
G-91.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.0 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181 or LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
G-92.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH	Drill-Tec Polymer Gyptec with Drill-Tec 3" Gyptec Plate (Min. 2-inch embedment)	1 per 2.9 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / WB181 or LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0*
G-93.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Drill-Tec Locking Impact Nail (minimum withdrawal resistance at slated embedment $\geq$ 140 lbf)	1 per 1.3 ft <sup>2</sup>	EverGuard TPO / TPO 1121, TPO 6-Square, TPO 3-Square	-52.5
G-94.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch EnergyGuard Polyiso Insulation or EnergyGuard RH	Drill-Tec Locking Impact Nail (minimum withdrawal resistance at slated embedment $\geq$ 140 lbf)	1 per 1.3 ft <sup>2</sup>	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c. or LRF-XF (spatter) or OB500 (spatter)	-52.5

**TABLE 6E: GYPSUM DECKS - REROOF (TEAR-OFF)  
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

System No.	Deck (Note 1 and Note 12)	Primer / Treatment	Roof Cover (Note 15)	MDP (psf)
G-95.	Existing gypsum deck	None	EverGuard TPO Fleece-Back Membrane / WB181	-90.0
G-96.	Existing gypsum deck	None	EverGuard TPO Fleece-Back Membrane / OB500 (spatter)	-280.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
<b>EVERGUARD FREEDOM TPO:</b>							
R-1.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer of base insulation	LRF-M	EverGuard Freedom TPO / self-adhered	-110.0
R-2.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	EverGuard Freedom TPO / self-adhered	-157.5
R-3.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	EverGuard Freedom TPO / self-adhered	-200.0
R-4.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard Freedom TPO / self-adhered	-110.0
R-5.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	EverGuard Freedom TPO / self-adhered	-157.5
R-6.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	EverGuard Freedom TPO / self-adhered	-187.5
R-7.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard Freedom TPO / self-adhered	-165.0
R-8.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard Freedom TPO / self-adhered	-187.5
R-9.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard Freedom TPO / self-adhered	-75.0
R-10.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard Freedom TPO / self-adhered	-75.0
R-11.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard Freedom TPO / self-adhered	-225.0
R-12.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard Freedom TPO / self-adhered	-110.0
R-13.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	EverGuard Freedom TPO / self-adhered	-157.5
R-14.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	EverGuard Freedom TPO / self-adhered	-200.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-15.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard Freedom TPO / self-adhered	-110.0
R-16.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	EverGuard Freedom TPO / self-adhered	-157.5
R-17.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	EverGuard Freedom TPO / self-adhered	-187.5
R-18.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule surfaced SBS modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard Freedom TPO / self-adhered	-165.0
R-19.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule surfaced SBS modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard Freedom TPO / self-adhered	-187.5
R-20.	Existing smooth-surface modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard Freedom TPO / self-adhered	-222.5
R-21.	Existing smooth-surface asphaltic built-up roof or granule-surface modified bitumen	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	None	LRF-XF	EverGuard Freedom TPO / self-adhered	-245.0
R-22.	Existing smooth-surfaced asphaltic built-up roof	Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard Freedom TPO / self-adhered	-262.5
R-23.	Existing granule-surfaced modified bitumen	Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard Freedom TPO / self-adhered	-270.0
R-24.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard Freedom TPO / self-adhered	-110.0
R-25.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard Freedom TPO / self-adhered	-120.0
R-26.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	EverGuard Freedom TPO / self-adhered	-157.5
R-27.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	EverGuard Freedom TPO / self-adhered	-200.0
R-28.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard Freedom TPO / self-adhered	-110.0
R-29.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	EverGuard Freedom TPO / self-adhered	-157.5
R-30.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 4-inch o.c.	EverGuard Freedom TPO / self-adhered	-187.5
R-31.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard Freedom TPO / self-adhered	-165.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate ( <a href="#">Note 1</a> and <a href="#">Note 12</a> )	Base Insulation Layer		Top Insulation Layer		Roof Cover ( <a href="#">Note 15</a> )	MDP (psf) <sup>A</sup>
		Type	Attach ( <a href="#">Notes 6,7,8</a> )	Type	Attach ( <a href="#">Notes 6,7,8</a> )		
R-32.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard Freedom TPO / self-adhered	-187.5
R-33.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard Freedom TPO / self-adhered	-97.5
R-34.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard Freedom TPO / self-adhered	-120.0
R-35.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard Freedom TPO / self-adhered	-225.0
<b>EVERGUARD SA TPO:</b>							
R-36.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer of base insulation	LRF-M	EverGuard SA TPO / self-adhered	-110.0
R-37.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	EverGuard SA TPO / self-adhered	-157.5
R-38.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	EverGuard SA TPO / self-adhered	-200.0
R-39.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard SA TPO / self-adhered	-110.0
R-40.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	EverGuard SA TPO / self-adhered	-157.5
R-41.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	EverGuard SA TPO / self-adhered	-187.5
R-42.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard SA TPO / self-adhered	-165.0
R-43.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard SA TPO / self-adhered	-187.5

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-44.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard SA TPO / self-adhered	-75.0
R-45.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard SA TPO / self-adhered	-75.0
R-46.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard SA TPO / self-adhered	-225.0
R-47.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard SA TPO / self-adhered	-110.0
R-48.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	EverGuard SA TPO / self-adhered	-157.5
R-49.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	EverGuard SA TPO / self-adhered	-200.0
R-50.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard SA TPO / self-adhered	-110.0
R-51.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	EverGuard SA TPO / self-adhered	-157.5
R-52.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	EverGuard SA TPO / self-adhered	-187.5
R-53.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule surfaced SBS modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard SA TPO / self-adhered	-165.0
R-54.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule surfaced SBS modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard SA TPO / self-adhered	-187.5
R-55.	Existing smooth-surface modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard SA TPO / self-adhered	-222.5
R-56.	Existing smooth-surface asphaltic built-up roof or granule-surface modified bitumen	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	None	LRF-XF	EverGuard SA TPO / self-adhered	-245.0
R-57.	Existing smooth-surfaced asphaltic built-up roof	Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard SA TPO / self-adhered	-262.5
R-58.	Existing granule-surfaced modified bitumen	Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard SA TPO / self-adhered	-270.0
R-59.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard SA TPO / self-adhered	-110.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-60.	Existing granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard SA TPO / self-adhered	-120.0
R-61.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	EverGuard SA TPO / self-adhered	-157.5
R-62.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	EverGuard SA TPO / self-adhered	-200.0
R-63.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard SA TPO / self-adhered	-110.0
R-64.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	EverGuard SA TPO / self-adhered	-157.5
R-65.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 4-inch o.c.	EverGuard SA TPO / self-adhered	-187.5
R-66.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard SA TPO / self-adhered	-165.0
R-67.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard SA TPO / self-adhered	-187.5
R-68.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard SA TPO / self-adhered	-97.5
R-69.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard SA TPO / self-adhered	-120.0
R-70.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard SA TPO / self-adhered	-225.0
<b>EVERGUARD TPO IN EVERGUARD TPO 1121 BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:</b>							
R-71.	Existing asphalt asphaltic built-up roof or mineral surface cap sheet	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	Hot Asphalt	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or min. 7/16-inch OSB	Hot asphalt	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0
R-72.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	None	N/A	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0
R-73.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer of base insulation	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-110.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-74.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	EverGuard TPO / TPO 1121, TPO 3-Square	-157.5
R-75.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	EverGuard TPO / TPO 1121, TPO 3-Square	-200.0
R-76.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-110.0
R-77.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	EverGuard TPO / TPO 1121, TPO 3-Square	-157.5
R-78.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	EverGuard TPO / TPO 1121, TPO 3-Square	-187.5
R-79.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-165.0
R-80.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-187.5
R-81.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-75.0
R-82.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-82.5
R-83.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-75.0
R-84.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH	LRF-M	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO 1121, TPO 3-Square	-225.0
R-85.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	None	N/A	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0
R-86.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-110.0
R-87.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	EverGuard TPO / TPO 1121, TPO 3-Square	-157.5



**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate ( <a href="#">Note 1</a> and <a href="#">Note 12</a> )	Base Insulation Layer		Top Insulation Layer		Roof Cover ( <a href="#">Note 15</a> )	MDP (psf) <sup>A</sup>
		Type	Attach ( <a href="#">Notes 6,7,8</a> )	Type	Attach ( <a href="#">Notes 6,7,8</a> )		
R-88.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	EverGuard TPO / TPO 1121, TPO 3-Square	-200.0
R-89.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	LRF-XF	(Optional) Additional layers base insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-180.0
R-90.	Existing smooth-surfaced modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-222.5
R-91.	Existing smooth-surface asphaltic built-up roof	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-262.5
R-92.	Existing granule-surface modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-270.0
R-93.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-110.0
R-94.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	EverGuard TPO / TPO 1121, TPO 3-Square	-157.5
R-95.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	EverGuard TPO / TPO 1121, TPO 3-Square	-187.5
R-96.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-165.0
R-97.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-180.0
R-98.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch DensDeck or DensDeck Prime or DEXcell FA Glass Mat Roof Board	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-130.0
R-99.	Existing smooth-surfaced modified bitumen	(Optional) Min. 2-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-222.5
R-100.	Existing smooth-surface asphaltic built-up roof or granule-surface modified bitumen	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	None	N/A	EverGuard TPO / TPO 1121, TPO 3-Square	-245.0
R-101.	Existing smooth-surface asphaltic built-up roof or granule surface modified bitumen	Min. 2-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO 1121, TPO 3-Square	-247.5
R-102.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	None	N/A	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-103.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-110.0
R-104.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-120.0
R-105.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	EverGuard TPO / TPO 1121, TPO 3-Square	-157.5
R-106.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	EverGuard TPO / TPO 1121, TPO 3-Square	-200.0
R-107.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-110.0
R-108.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	EverGuard TPO / TPO 1121, TPO 3-Square	-157.5
R-109.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 6-inch o.c.	EverGuard TPO / TPO 1121, TPO 3-Square	-187.5
R-110.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-165.0
R-111.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-187.5
R-112.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-97.5
R-113.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-82.5
R-114.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch, min. 1.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-45.0
R-115.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN , min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck or DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-120.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-116.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH	OB500	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 1121, TPO 3-Square	-225.0
<b>EVERGUARD TPO / EVERGUARD WB181 BONDING ADHESIVE:</b>							
R-117.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	None	N/A	EverGuard TPO / WB181	-45.0
R-118.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer of base insulation	LRF-M	EverGuard TPO / WB181	-110.0
R-119.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	EverGuard TPO / WB181	-157.5
R-120.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	EverGuard TPO / WB181	-200.0
R-121.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / WB181	-110.0
R-122.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	EverGuard TPO / WB181	-157.5
R-123.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	EverGuard TPO / WB181	-187.5
R-124.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO / WB181	-165.0
R-125.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard TPO / WB181	-187.5
R-126.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) 0.5-inch EnergyGuard Polyiso Insulation or min. Min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / WB181	-75.0
R-127.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / WB181	-75.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-128.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH	LRF-M	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / WB181	-225.0
R-129.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	None	N/A	EverGuard TPO / WB181	-45.0
R-130.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / WB181	-110.0
R-131.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	EverGuard TPO / WB181	-157.5
R-132.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	LRF-XF	(Optional) Additional layers base insulation	LRF-XF	EverGuard TPO / WB181	-180.0
R-133.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	EverGuard TPO / WB181	-200.0
R-134.	Existing smooth-surfaced modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / WB181	-222.5
R-135.	Existing smooth-surface asphaltic built-up roof	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / WB181	-245.0
R-136.	Existing granule-surface modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / WB181	-270.0
R-137.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / WB181	-110.0
R-138.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	EverGuard TPO / WB181	-157.5
R-139.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	EverGuard TPO / WB181	-187.5
R-140.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO / WB181	-165.0
R-141.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / WB181	-187.5
R-142.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / WB181	-130.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate ( <a href="#">Note 1</a> and <a href="#">Note 12</a> )	Base Insulation Layer		Top Insulation Layer		Roof Cover ( <a href="#">Note 15</a> )	MDP (psf) <sup>A</sup>
		Type	Attach ( <a href="#">Notes 6,7,8</a> )	Type	Attach ( <a href="#">Notes 6,7,8</a> )		
R-143.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	None	N/A	EverGuard TPO / WB181	-45.0
R-144.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / WB181	-110.0
R-145.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / WB181	-120.0
R-146.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	EverGuard TPO / WB181	-157.5
R-147.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	EverGuard TPO / WB181	-200.0
R-148.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / WB181	-110.0
R-149.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	EverGuard TPO / WB181	-157.5
R-150.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 4-inch o.c.	EverGuard TPO / WB181	-187.5
R-151.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO / WB181	-165.0
R-152.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO / WB181	-187.5
R-153.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / WB181	-97.5
R-154.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch, min. 1.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / WB181	-45.0
R-155.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN , min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / WB181	-120.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-156.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH	OB500	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / WB181	-225.0
<b>EVERGUARD TPO IN EVERGUARD TPO 6 SQUARE LOW VOC BONDING ADHESIVE OR EVERGUARD TPO 3 SQUARE LOW VOC BONDING ADHESIVE:</b>							
R-157.	Existing asphalt asphaltic built-up roof or mineral surface cap sheet	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN	Hot Asphalt	(Optional) Min. 0.25-inch DensDeck Prime	Hot asphalt	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0
R-158.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	None	N/A	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0
R-159.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer of base insulation	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-110.0
R-160.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	EverGuard TPO / TPO 6-Square, TPO 3-Square	-157.5
R-161.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	EverGuard TPO / TPO 6-Square, TPO 3-Square	-200.0
R-162.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-110.0
R-163.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	EverGuard TPO / TPO 6-Square, TPO 3-Square	-157.5
R-164.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	EverGuard TPO / TPO 6-Square, TPO 3-Square	-187.5
R-165.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-165.0
R-166.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-187.5
R-167.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-75.0
R-168.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-82.5
R-169.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-82.5

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-170.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	(Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-75.0
R-171.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH	LRF-M	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO 6-Square, TPO 3-Square	-225.0
R-172.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	None	N/A	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0
R-173.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO 6-Square, TPO 3-Square	-110.0
R-174.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	EverGuard TPO / TPO 6-Square, TPO 3-Square	-157.5
R-175.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	LRF-XF	(Optional) Additional layers base insulation	LRF-XF	EverGuard TPO / TPO 6-Square, TPO 3-Square	-180.0
R-176.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	EverGuard TPO / TPO 6-Square, TPO 3-Square	-200.0
R-177.	Existing smooth-surface modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO 6-Square, TPO 3-Square	-222.5
R-178.	Existing smooth-surface asphaltic built-up roof or granule-surface modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO 6-Square, TPO 3-Square	-245.0
R-179.	Existing granule-surfaced modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO 6-Square, TPO 3-Square	-270.0
R-180.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO 6-Square, TPO 3-Square	-110.0
R-181.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	EverGuard TPO / TPO 6-Square, TPO 3-Square	-157.5
R-182.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	EverGuard TPO / TPO 6-Square, TPO 3-Square	-187.5
R-183.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO / TPO 6-Square, TPO 3-Square	-165.0
R-184.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO 6-Square, TPO 3-Square	-187.5

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-185.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	None	N/A	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0
R-186.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-110.0
R-187.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard Ultra	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-120.0
R-188.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	EverGuard TPO / TPO 6-Square, TPO 3-Square	-157.5
R-189.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	EverGuard TPO / TPO 6-Square, TPO 3-Square	-200.0
R-190.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-110.0
R-191.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	EverGuard TPO / TPO 6-Square, TPO 3-Square	-157.5
R-192.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 4-inch o.c.	EverGuard TPO / TPO 6-Square, TPO 3-Square	-187.5
R-193.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-165.0
R-194.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-187.5
R-195.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) 0.5-inch EnergyGuard Polyiso Insulation or min. Min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-97.5
R-196.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-82.5
R-197.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH or EnergyGuard RN, min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECURROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-45.0



**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-198.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH	OB500	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO 6-Square, TPO 3-Square	-225.0
<b>EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY:</b>							
R-199.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation	LRF-M	None	N/A	EverGuard TPO / TPO QSA	-45.0
R-200.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer of base insulation	LRF-M	EverGuard TPO / TPO QSA	-82.5
R-201.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO QSA	-82.5
R-202.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO / TPO QSA	-75.0
R-203.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO / TPO QSA	-225.0
R-204.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO QSA	-75.0
R-205.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO QSA	-75.0
R-206.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation	LRF-XF	None	N/A	EverGuard TPO / TPO QSA	-45.0
R-207.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO QSA	-82.5
R-208.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO QSA	-82.5

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate ( <a href="#">Note 1</a> and <a href="#">Note 12</a> )	Base Insulation Layer		Top Insulation Layer		Roof Cover ( <a href="#">Note 15</a> )	MDP (psf) <sup>A</sup>
		Type	Attach ( <a href="#">Notes 6,7,8</a> )	Type	Attach ( <a href="#">Notes 6,7,8</a> )		
R-209.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	LRF-XF	EverGuard TPO / TPO QSA	-130.0
R-210.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation	OB500	None	N/A	EverGuard TPO / TPO QSA	-45.0
R-211.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO QSA	-82.5
R-212.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation or EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO QSA	-82.5
R-213.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch, min. 1.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO QSA	-45.0
R-214.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN , min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO QSA	-120.0
R-215.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO / TPO QSA	-225.0
R-216.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA	-97.5
R-217.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO QSA	-97.5
<b>EVERGUARD TPO / EVERGUARD TPO QUICK SPRAY LV 50:</b>							
R-218.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation	LRF-M	None	N/A	EverGuard TPO / TPO QSA LV50	-45.0
R-219.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer of base insulation	LRF-M	EverGuard TPO / TPO QSA LV50	-110.0
R-220.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	EverGuard TPO / TPO QSA LV50	-157.5

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-221.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	EverGuard TPO / TPO QSA LV50	-200.0
R-222.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO QSA LV50	-110.0
R-223.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	EverGuard TPO / TPO QSA LV50	-157.5
R-224.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	EverGuard TPO / TPO QSA LV50	-187.5
R-225.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO / TPO QSA LV50	-165.0
R-226.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO QSA LV50	-187.5
R-227.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 0.25-inch DensDeck Prime	LRF-M	EverGuard TPO / TPO QSA LV50	-75.0
R-228.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.25-inch DensDeck Prime	LRF-M	EverGuard TPO / TPO QSA LV50	-202.5
R-229.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO QSA LV50	-75.0
R-230.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional when using base insulation) Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO / TPO QSA LV50	-225.0
R-231.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) 0.5-inch EnergyGuard Polyiso Insulation or min. Min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO / TPO QSA LV50	-75.0
R-232.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation	LRF-XF	None	N/A	EverGuard TPO / TPO QSA LV50	-45.0
R-233.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO QSA LV50	-110.0
R-234.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	EverGuard TPO / TPO QSA LV50	-157.5

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-235.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layers base insulation	LRF-XF	EverGuard TPO / TPO QSA LV50	-180.0
R-236.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	EverGuard TPO / TPO QSA LV50	-200.0
R-237.	Existing smooth-surface modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO QSA LV50	-222.5
R-238.	Existing smooth-surface asphaltic built-up roof or granule-surface modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO QSA LV50	-245.0
R-239.	Existing granule-surfaced modified bitumen	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO / TPO QSA LV50	-270.0
R-240.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO QSA LV50	-110.0
R-241.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	EverGuard TPO / TPO QSA LV50	-157.5
R-242.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	EverGuard TPO / TPO QSA LV50	-187.5
R-243.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO / TPO QSA LV50	-165.0
R-244.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO / TPO QSA LV50	-187.5
R-245.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch DensDeck Prime	LRF-XF	EverGuard TPO / TPO QSA LV50	-130.0
R-246.	Existing smooth-surfaced modified bitumen	(Optional) Min. 2-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO QSA LV50	-222.5
R-247.	Existing smooth-surface asphaltic built-up roof or granule-surface modified bitumen	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	None	N/A	EverGuard TPO / TPO QSA LV50	-245.0
R-248.	Existing smooth-surface asphaltic built-up roof or granule surface modified bitumen	Min. 2-inch EnergyGuard RA or EnergyGuard RH	LRF-XF	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO / TPO QSA LV50	-247.5
R-249.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation	OB500	None	N/A	EverGuard TPO / TPO QSA LV50	-45.0
R-250.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO / TPO QSA LV50	-110.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-251.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	EverGuard TPO / TPO QSA LV50	-157.5
R-252.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	EverGuard TPO / TPO QSA LV50	-200.0
R-253.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO QSA LV50	-110.0
R-254.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	EverGuard TPO / TPO QSA LV50	-157.5
R-255.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 4-inch o.c.	EverGuard TPO / TPO QSA LV50	-187.5
R-256.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO / TPO QSA LV50	-165.0
R-257.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO QSA LV50	-187.5
R-258.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch, min. 1.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime	OB500	EverGuard TPO / TPO QSA LV50	-45.0
R-259.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN , min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch DensDeck Prime	OB500	EverGuard TPO / TPO QSA LV50	-120.0
R-260.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.25-inch DensDeck Prime	OB500	EverGuard TPO / TPO QSA LV50	-202.5
R-261.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN , min. 2-inch, min. 2.0 pcf Insulfoam Roofing EPS	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA LV50	-120.0
R-262.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO / TPO QSA LV50	-225.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate ( <a href="#">Note 1</a> and <a href="#">Note 12</a> )	Base Insulation Layer		Top Insulation Layer		Roof Cover ( <a href="#">Note 15</a> )	MDP (psf) <sup>A</sup>
		Type	Attach ( <a href="#">Notes 6,7,8</a> )	Type	Attach ( <a href="#">Notes 6,7,8</a> )		
R-263.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation or min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO / TPO QSA LV50	-97.5
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN EVERGUARD WB181 BONDING ADHESIVE:</b>							
R-264.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	None	N/A	EverGuard TPO Fleece-Back Membrane / WB181	-45.0
R-265.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	None	N/A	EverGuard TPO Fleece-Back Membrane / WB181	-75.0
R-266.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer of base insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-110.0
R-267.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / WB181	-157.5
R-268.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / WB181	-200.0
R-269.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-110.0
R-270.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / WB181	-157.5
R-271.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / WB181	-187.5
R-272.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-165.0
R-273.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-187.5
R-274.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) 0.5-inch EnergyGuard Polyiso Insulation or min. Min. 1.5-inch EnergyGuard RH	LRF-M	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-75.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-275.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH	LRF-M	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / WB181	-225.0
R-276.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	None	N/A	EverGuard TPO Fleece-Back Membrane / WB181	-45.0
R-277.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / WB181	-110.0
R-278.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / WB181	-157.5
R-279.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	LRF-XF	(Optional) Additional layers base insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / WB181	-180.0
R-280.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / WB181	-200.0
R-281.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / WB181	-110.0
R-282.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / WB181	-157.5
R-283.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / WB181	-187.5
R-284.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / WB181	-165.0
R-285.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / WB181	-187.5
R-286.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	None	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-45.0
R-287.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-110.0
R-288.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	OB500	(Optional) Additional layers base insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-120.0
R-289.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / WB181	-157.5

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-290.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / WB181	-200.0
R-291.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-110.0
R-292.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / WB181	-157.5
R-293.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / WB181	-187.5
R-294.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-165.0
R-295.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-187.5
R-296.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) 0.5-inch EnergyGuard Polyiso Insulation or min. Min. 1.5-inch EnergyGuard RH	OB500	Min. 0.5-inch EnergyGuard RH HD Polyiso Insulation, EnergyGuard HD Polyiso Cover Board or EnergyGuard HD Plus Polyiso Cover Board or min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-97.5
R-297.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1.5-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-120.0
R-298.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional when using coverboard) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1.5-inch EnergyGuard RH	OB500	(Optional when using base insulation) Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / WB181	-225.0
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN LRF ADHESIVE M OR LRF ADHESIVE O:</b>							
R-299.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 1-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	LRF-M	Min. 1.5-inch EnergyGuard RA, EnergyGuard RN	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0
R-300.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 1-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	LRF-M	Min. 1.5-inch EnergyGuard RH	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0
R-301.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	None	N/A	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0



**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate ( <a href="#">Note 1</a> and <a href="#">Note 12</a> )	Base Insulation Layer		Top Insulation Layer		Roof Cover ( <a href="#">Note 15</a> )	MDP (psf) <sup>A</sup>
		Type	Attach ( <a href="#">Notes 6,7,8</a> )	Type	Attach ( <a href="#">Notes 6,7,8</a> )		
R-302.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer of base insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
R-303.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
R-304.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
R-305.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 1-inch EnergyGuard RA or ACfoam II	LRF-M	Min. 1.75-inch ACfoam Composite/GB	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-37.5
R-306.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	LRF-M	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-37.5
R-307.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	LRF-M	Min. 0.25-inch DensDeck Prime	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0
R-308.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	LRF-M	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0
R-309.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	LRF-M	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0
R-310.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-165.0
R-311.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-180.0
R-312.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN	LRF-M	Optional additional layers base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-180.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-313.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN	LRF-M	Optional additional layers base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-180.0
R-314.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	None	N/A	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0
R-315.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
R-316.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0
R-317.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
R-318.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-165.0
R-319.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-180.0
R-320.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	LRF-XF	Optional additional layers base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-180.0
R-321.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or EnergyGuard RH	LRF-XF	Optional additional layers base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-180.0
R-322.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	OB500	Min. 1.5-inch EnergyGuard RA, EnergyGuard RN	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0
R-323.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	OB500	Min. 1.5-inch EnergyGuard RH	OB500	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0
R-324.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	None	N/A	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate ( <a href="#">Note 1</a> and <a href="#">Note 12</a> )	Base Insulation Layer		Top Insulation Layer		Roof Cover ( <a href="#">Note 15</a> )	MDP (psf) <sup>A</sup>
		Type	Attach ( <a href="#">Notes 6,7,8</a> )	Type	Attach ( <a href="#">Notes 6,7,8</a> )		
R-325.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule surfaced SBS modified bitumen or gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
R-326.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
R-327.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
R-328.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 1-inch EnergyGuard RA or ACfoam II	OB500	Min. 1.75-inch ACfoam Composite/GB	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-37.5
R-329.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-37.5
R-330.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	OB500	Min. 0.25-inch DensDeck Prime	OB500	EverGuard TPO Fleece-Back Membrane / LRF-O, 12-inch o.c.	-45.0
R-331.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	OB500	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-45.0
R-332.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra or min. 1-inch EnergyGuard RA, EnergyGuard RH, EnergyGuard RN	OB500	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c.	-45.0
R-333.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-165.0
R-334.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-180.0
R-335.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN	OB500	Optional additional layers base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-180.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-336.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN	OB500	Optional additional layers base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c.	-180.0
<b>EVERGUARD TPO FLEECE-BACK MEMBRANE IN SPATTER APPLICATIONS:</b>							
R-337.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	None	N/A	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0
R-338.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	(Optional) Additional layer of base insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-110.0
R-339.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-157.5
R-340.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-M, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-200.0
R-341.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-110.0
R-342.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-M, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-157.5
R-343.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-M, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-187.5
R-344.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-165.0
R-345.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-M	Min. 1.5-inch Ultra HD Composite Insulation	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-187.5
R-346.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN	LRF-M	Optional additional layers base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-M	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-180.0
R-347.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	None	N/A	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-348.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	(Optional) Additional layer of base insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-110.0
R-349.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-157.5
R-350.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA or EnergyGuard RH	LRF-XF	(Optional) Additional layers base insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-180.0
R-351.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	(Optional) Additional layer of base insulation	LRF-XF, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-200.0
R-352.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-110.0
R-353.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	LRF-XF, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-157.5
R-354.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	LRF-XF, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-187.5
R-355.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-165.0
R-356.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	LRF-XF	Min. 1.5-inch Ultra HD Composite Insulation	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-187.5
R-357.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS or APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RA or EnergyGuard RH	LRF-XF	Optional additional layers base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	LRF-XF	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-180.0
R-358.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	Min. 1-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	None	N/A	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-45.0
R-359.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	(Optional) Additional layer of base insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-110.0
R-360.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	(Optional) Additional layer of base insulation	OB500, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-157.5

**TABLE 7A: RECOVER APPLICATIONS  
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new insulation, coverboard and roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate (Note 1 and Note 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)	MDP (psf) <sup>A</sup>
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
R-361.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	(Optional) Additional layer of base insulation	OB500, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-200.0
R-362.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-110.0
R-363.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 6-inch o.c.	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation or Ultra HD Composite Insulation	OB500, 6-inch o.c.	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-157.5
R-364.	Existing gravel-surfaced asphaltic built-up roof, brushed / spudded and vacuumed to remove loose gravel	(Optional) Min. 1.5-inch EnergyGuard Polyiso Insulation	OB500, 4-inch o.c.	Min. 1.5-inch Ultra HD Composite Insulation	OB500, 4-inch o.c.	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-187.5
R-365.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch EnergyGuard Polyiso-HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-165.0
R-366.	Existing smooth- or granule-surfaced asphaltic built-up roof or smooth- or granule-surfaced SBS or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra	OB500	Min. 1.5-inch Ultra HD Composite Insulation	OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-187.5
R-367.	Existing smooth- or granule-surfaced asphaltic built-up roof; smooth- or granule-surfaced SBS modified bitumen or granule-surfaced APP modified bitumen	(Optional) Min. 0.5-inch EnergyGuard Polyiso Insulation, EnergyGuard Ultra, EnergyGuard RH, EnergyGuard RN	OB500	Optional additional layers base insulation followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board	OB500	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-180.0

**TABLE 7B: WOOD OR STEEL - RECOVER  
SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER**

*(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 <a href="#">(Note 1)</a>	Insulation Layer	Attachment		Roof Cover <a href="#">(Note 15B)</a>	MDP <a href="#">(psf)</a>
			Fastener <a href="#">(Note 11)</a>	Spacing		
R-368.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced <b>max. 60-inch o.c.</b>	One or more layers, any combination, prelim. attach <a href="#">(Note 5)</a>	Drill-Tec Purlin Fastener or Drill-Tec Hex-Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	18-inch o.c. along purlins	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-30.0
R-369.	Existing standing seam or lap seam metal roof covers having nominal No. 2 wood trusses spaced <b>max. 96-inch o.c.</b>	One or more layers, any combination, loose laid	Drill-Tec #14 (min. 1.05-inch embedment) and Drill-Tec RhinoBond TPO XHD Plate are fastened through to wood supports	12-inch o.c. along wood supports	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-30.0
R-370.	Existing standing seam or lap seam metal roof covers having nominal No. 2 wood trusses spaced <b>max. 96-inch o.c.</b>	One or more layers, any combination, min. 2-inch total thickness, loose laid	Drill-Tec #14 (min. 1.05-inch embedment) and Drill-Tec RhinoBond TPO XHD Tread Safe Plate are fastened through to wood supports	12-inch o.c. along wood supports	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-30.0
R-371.	Existing standing seam or lap seam metal roof covers having min. 14 gauge (0.0747 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced <b>max. 60-inch o.c.</b>	One or more layers, any combination, prelim. attach <a href="#">(Note 5)</a>	Drill-Tec Purlin Fastener or Drill-Tec Hex Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	18-inch o.c. along purlins	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-37.5
R-372.	Existing standing seam or lap seam metal roof covers having nominal No. 2 wood trusses spaced <b>max. 48-inch o.c.</b>	One or more layers, any combination, loose laid	Drill-Tec #14 (min. 1.05-inch embedment) and Drill-Tec RhinoBond TPO XHD Plate are fastened through to wood supports	24-inch o.c. along wood supports	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-37.5
R-373.	Existing standing seam or lap seam metal roof covers having nominal No. 2 wood trusses spaced <b>max. 48-inch o.c.</b>	One or more layers, any combination, min. 2-inch total thickness, loose laid	Drill-Tec #14 (min. 1.05-inch embedment) and Drill-Tec RhinoBond TPO XHD Tread Safe Plate are fastened through to wood supports	24-inch o.c. along wood supports	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-37.5
R-374.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced <b>max. 60-inch o.c.</b>	One or more layers, any combination, prelim. attach <a href="#">(Note 5)</a>	Drill-Tec Purlin Fastener or Drill-Tec Hex-Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	12-inch o.c. along purlins	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-45.0
R-375.	Existing standing seam or lap seam metal roof covers having nominal No. 2 wood trusses spaced <b>max. 24-inch o.c.</b>	One or more layers, any combination	Drill-Tec #14 (min. 1-inch embedment) and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate through to wood supports	36-inch o.c. along wood supports, 24-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-52.5
R-376.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced <b>max. 72-inch o.c.</b>	One or more layers, any combination, prelim. attach <a href="#">(Note 5)</a>	Drill-Tec Purlin Fastener or Drill-Tec Hex Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	6-inch o.c. along purlins	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-67.5
R-377.	Existing standing seam or lap seam metal roof covers having nominal No. 2 wood trusses spaced <b>max. 24-inch o.c.</b>	One or more layers, any combination	Drill-Tec #14 (min. 1-inch embedment) and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate through to wood supports	24-inch o.c. along wood supports, 24-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-75.0
R-378.	Existing standing seam or lap seam metal roof covers having nominal No. 2 wood trusses spaced <b>max. 24-inch o.c.</b>	One or more layers, any combination	Drill-Tec #14 (min. 1-inch embedment) and Drill-Tec RhinoBond TPO XHD Plate or Drill-Tec RhinoBond TPO XHD Tread Safe Plate through to wood supports	18-inch o.c. along wood supports, 24-inch o.c.	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-82.5

**TABLE 7B: WOOD OR STEEL - RECOVER**
**SYSTEM TYPE C-2: INDUCTION WELDED ROOF COVER**

(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 ( <a href="#">Note 1</a> )	Insulation Layer	Attachment		Roof Cover ( <a href="#">Note 15B</a> )	MDP (psf)
			Fastener ( <a href="#">Note 11</a> )	Spacing		
R-379.	Existing standing seam or lap seam metal roof covers having min. 14 gauge (0.0747 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced <b>max. 72-inch o.c.</b>	One or more layers, any combination, prelim. attach ( <a href="#">Note 5</a> )	Drill-Tec Purlin Fastener or Drill-Tec Hex Head Purlin Fastener and Drill-Tec RhinoBond TPO XHD Plate are fastened through to purlins	6-inch o.c. along purlins	EverGuard TPO induction welded with RhinoBond Portable Bonding Tool, per manufacturer's published instructions.	-97.5

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

(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 ( <a href="#">Note 1</a> )	Insulation ( <a href="#">Note 5</a> )	Separator Sheet (Optional)	Roof Cover ( <a href="#">Note 15A</a> )			MDP (psf)
				Membrane	Fastener ( <a href="#">Note 11</a> )	Attachment	
R-380.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced <b>max. 84-inch o.c.</b>	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec Purlin Fastener and Drill-Tec Eyehook AccuSeam Plate or Eyehook Reel-Fast Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. within min. 6-inch wide laps spaced max. 84-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-30.0
R-381.	Existing standing seam or lap seam metal roof covers having min. 14 gauge (0.0747 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced <b>max. 84-inch o.c.</b>	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec Purlin Fastener and Drill-Tec 2 in. Double Barbed XHD Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. within min. 6-inch wide laps spaced max. 84-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-30.0
R-382.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced <b>max. 114-inch o.c.</b>	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec Hex Head Purlin Fastener and Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. in rows spaced max. 114-inch o.c. to engage steel purlin. An 8-inch wide cover strip is heat welded over the stress plates.	-30.0
R-383.	Existing standing seam or lap seam metal roof covers having min. 14 gauge (0.0747 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced <b>max. 84-inch o.c.</b>	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec Purlin Fastener and Drill-Tec 2-3/8 in. Barbed XHD Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	12-inch o.c. within min. 6-inch wide laps spaced max. 84-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-37.5
R-384.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced <b>max. 120-inch o.c.</b>	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec Hex Head Purlin Fastener and Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. in rows spaced max. 120-inch o.c. to engage steel purlin. An 8-inch wide cover strip is heat welded over the stress plates.	-45.0
R-385.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced <b>max. 84-inch o.c.</b>	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec Purlin Fastener and Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Eyehook Reel-Fast Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. within min. 6-inch wide laps spaced max. 84-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-52.5



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

(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 <a href="#">(Note 1)</a>	Insulation <a href="#">(Note 5)</a>	Separator Sheet (Optional)	Roof Cover <a href="#">(Note 15A)</a>			MDP <a href="#">(psf)</a>
				Membrane	Fastener <a href="#">(Note 11)</a>	Attachment	
R-386.	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced <b>max. 114-inch o.c.</b>	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec Hex Head Purlin Fastener and Drill-Tec 2 in. Double Barbed XHD Plate, Drill-Tec 2-3/8 in. Barbed XHD Plate, Drill-Tec Eyehook AccuSeam Plate or Drill-Tec #12 Purlin Fastener with Drill-Tec 2.4" Barbed Seam Plate or Drill-Tec 2.4" Scoop Seam Plate	6-inch o.c. in rows spaced max. 114-inch o.c. to engage steel purlin. An 8-inch wide cover strip is heat welded over the stress plates.	-52.5
R-387.	Existing standing seam or lap seam metal roof covers having min. 14 gauge (0.0747 inch), 50 ksi or min. 12 gauge (0.105 in.), 36 ksi steel purlins spaced <b>max. 84-inch o.c.</b>	One or more layers, any combination, prelim. attached	EverGuard Polymat Separation Layer (3 oz/yd <sup>2</sup> ) or EverGuard Polymat Cushioning Layer (6 oz/yd <sup>2</sup> )	EverGuard TPO	Drill-Tec Purlin Fastener and Drill-Tec 2-3/4 in. Barbed SXHD Plate	6-inch o.c. within min. 6-inch wide laps spaced max. 84-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-60.0

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

^ The reported MDP documents the allowable maximum design pressure of the new roof cover when adhered to the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 12). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

System No.	Substrate <a href="#">(Note 1 and Note 12)</a>	Roof Cover <a href="#">(Note 15)</a>	MDP <a href="#">(psf)</a> <sup>A</sup>
R-388.	Existing fully adhered granule-surfaced asphaltic roof cover, existing fully adhered granule-surfaced SBS modified bitumen or existing fully adhered granule-surfaced APP modified bitumen	EverGuard TPO Fleece-Back Membrane / LRF-M, 12-inch o.c. or LRF-O, 12-inch o.c.	-60.0
R-389.	Existing fully adhered granule-surfaced asphaltic roof cover	EverGuard TPO Fleece-Back Membrane / LRF-M, 6-inch o.c.	-67.5
R-390.	Existing fully adhered smooth- or granule-surfaced SBS modified bitumen or existing fully adhered smooth- or granule-surfaced APP modified bitumen	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. or LRF-O, 4-inch o.c.	-337.5
R-391.	Existing fully adhered, granule-surfaced asphaltic roof cover	EverGuard TPO Fleece-Back Membrane / LRF-O, 4-inch o.c. (for full coverage)	-415.0
R-392.	Existing fully adhered, granule-surfaced asphaltic roof cover	EverGuard TPO Fleece-Back Membrane / LRF-M, 4-inch o.c. (for full coverage)	-492.5
R-393.	Existing fully adhered, granule-surfaced asphaltic roof cover	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-120.0
R-394.	Existing fully adhered smooth- or granule-surfaced SBS modified bitumen or existing fully adhered granule-surfaced APP modified bitumen	EverGuard TPO Fleece-Back Membrane / LRF-XF (spatter) or OB500 (spatter)	-337.5
R-395.	Existing fully adhered, granule-surfaced asphaltic roof cover	EverGuard TPO Fleece-Back Membrane / Hot Asphalt	-405.0