



NEMO|etc.

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ENGINEER

TEST

CONSULT

P.E. EVALUATION REPORT (PEER)

Carlisle SynTec Systems

P.O. Box 7000
Carlisle, PA 17013
(717) 245-7264

PEER-CRL-003.A.R36

FL14083-R35 (NON-HVHZ)

Date of Issuance: 09/08/2010

Revision 36: 04/16/2025

SCOPE:

This P.E. Evaluation Report (henceforth 'PEER') 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, and the [Third-Party Evaluation Report](#) acceptance by the Texas Department of Insurance. The documentation submitted has been reviewed by Robert Nieminen, P.E. for compliance with the **8th Edition (2023) Florida Building Code and 2018 International Building Code** [sections noted herein](#).

DESCRIPTION: Carlisle Sure-Weld TPO Roof Systems (NON-HVHZ)

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

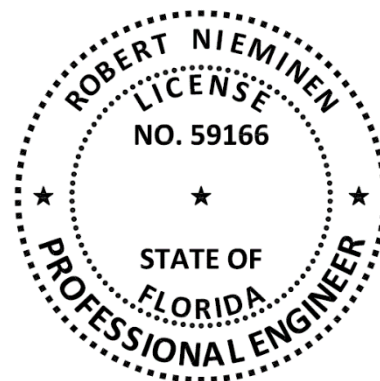
CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO 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 PEER relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be in its entirety.

INSPECTION: Upon request, a copy of this entire PEER 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 PEER consists of pages 1 through 5, plus 125-pages of Appendix.

Prepared by:



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 PEERs 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. Robert Nieminen, P.E. is also Registered in the State of Texas; PE-96420.
6. 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 PEER, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

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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: Carlisle Sure-Weld TPO Roof Systems, as produced by Carlisle SynTec Systems, have demonstrated compliance with the following sections of the referenced Building Codes through testing in accordance with the following Standards. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

2. STANDARDS:

CODE	SECTION	PROPERTY	STANDARD
2023 Florida Building Code	1504.3.1	Wind resistance	FM 4474, UL1897
	1504.6	Physical properties	ASTM G155
	1504.7	Impact resistance	FM 4470, Section 4.6
	1507.11.2	Material standard	ASTM D6163, D6164
	1507.12.2	Material standard	ASTM D6878
2018 International Building Code	1504.3.1	Wind resistance	FM 4474, UL1897
	1504.6	Physical properties	ASTM G155
	1504.7	Impact resistance	FM 4470, Section 4.6
	1507.11.2	Material standard	ASTM D6163, D6164
	1507.13.2	Material standard	ASTM D6878

3. REFERENCES:

ENTITY	EXAM	REFERENCE	DATE	ENTITY	EXAM	REFERENCE	DATE
NEMO (TST 6049)	D6878 (MS)	4-CRL-18-002.04.18-2A	04/03/18	FM (TST1867)	Criticality	3037608	08/18/10
NEMO (TST 6049)	D6878 (UT)	4r-CRL-20-SSTHP-03.A	04/27/21	FM (TST1867)	FM 4474	3036762	03/08/11
PRI CMT(TST5878)	ASTM D6163	1655T0009	01/21/22	FM (TST1867)	FM 4474	3041535	06/08/11
PRI CMT(TST5878)	ASTM D6164	165560010	01/21/22	FM (TST1867)	FM 4474	3039340	06/24/11
ACRC (TST4671)	Wind	07-051	08/29/07	FM (TST1867)	FM 4474	3043858	08/25/11
ACRC (TST4671)	Wind	07-059	10/15/07	FM (TST1867)	FM 4474	3041797	10/13/11
ACRC (TST4671)	Wind	10-009	05/19/10	FM (TST1867)	FM 4474	3039073	11/22/11
ACRC (TST4671)	Wind	10-018	08/25/10	FM (TST1867)	FM 4470	1X9A4.AM	12/06/11
ACRC (TST4671)	Wind	10-019	08/25/10	FM (TST1867)	FM 4470	3000919	12/06/11
ACRC (TST4671)	Wind	11-034	06/28/11	FM (TST1867)	FM 4470	3044748	12/06/11
ACRC (TST4671)	Wind	11-035	06/28/11	FM (TST1867)	FM 4474	3040260	02/27/12
ACRC (TST4671)	Wind	11-036	06/29/11	FM (TST1867)	FM 4474	3041799	03/29/12
ACRC (TST4671)	Wind	11-037	06/29/11	FM (TST1867)	FM 4474	3043824	04/06/12
ACRC (TST4671)	Wind	15-002	03/30/15	FM (TST1867)	FM 4474	3039762	09/07/12
ACRC (TST4671)	Wind	15-008	04/02/15	FM (TST1867)	FM 4474	3047327	09/13/12
ACRC (TST4671)	Wind	15-009	04/06/15	FM (TST1867)	FM 4474	3040639	09/18/12
ACRC (TST4671)	Wind	15-011	07/07/15	FM (TST1867)	FM 4474	3043858	09/25/12
ACRC (TST4671)	Wind	15-012	07/07/15	FM (TST1867)	Criticality	3047012	10/22/12
ACRC (TST4671)	Wind	15-015	07/09/15	FM (TST1867)	FM 4474	3042075	10/23/12
ACRC (TST4671)	Wind	15-016	07/09/15	FM (TST1867)	FM 4474	3045953	02/13/13
ACRC (TST4671)	Wind	15-018	07/10/15	FM (TST1867)	FM 4474	797 (ribbon HP-NB)	04/25/13
ACRC (TST4671)	Wind	15-019	07/14/15	FM (TST1867)	FM 4451	3049232	09/11/13
ACRC (TST4671)	Wind	15-020	07/14/15	FM (TST1867)	FM 4474	3049189	03/11/14
ACRC (TST4671)	Wind	15-021	07/15/15	FM (TST1867)	FM 4474	3048753	09/16/14
ACRC (TST4671)	Wind	15-037	12/28/15	FM (TST1867)	FM 4474	3051392 (data)	10/15/14
ACRC (TST4671)	Wind	15-038	12/28/15	FM (TST1867)	FM 4474	3054838	02/13/15
ACRC (TST4671)	Wind	15-041	12/30/15	FM (TST1867)	FM 4474	3055462	04/01/15
ACRC (TST4671)	Wind	15-043	01/04/16	FM (TST1867)	FM 4474	3055227	05/21/15
ACRC (TST4671)	Wind	15-045	01/11/16	FM (TST1867)	FM 4474	3053933	06/30/15
ACRC (TST4671)	Wind	15-046	01/11/16	FM (TST1867)	FM 4451	3054498	11/30/15
ACRC (TST4671)	Wind	15-047	01/12/16	FM (TST1867)	FM 4474	3050229	01/25/16
ACRC (TST4671)	TAS 114(D)	ACRC 24-007	04/17/24	FM (TST1867)	FM 4474	3058125	02/04/16
ACRC (TST4671)	TAS 114(D)	ACRC 24-010	04/18/24	FM (TST1867)	FM 4474	3055167	02/10/16
ACRC (TST4671)	TAS 114(D)	ACRC 24-014	04/24/24	FM (TST1867)	FM 4474	3054028	05/25/16
ACRC (TST4671)	TAS 114(D)	ACRC 24-015	04/25/24	FM (TST1867)	FM 4474	3055824	05/31/16
ATI (TST1588)	FM 4470	01-37050.01	03/13/00	FM (TST1867)	FM 4474	3056745	09/28/16
ATI (TST1588)	FM 4470	01-39152.01	03/28/01	FM (TST1867)	FM 4474	3058058	11/04/16
ATI (TST1588)	FM 4470	63524.01-111-47	03/16/06	FM (TST1867)	FM 4474	3058125	12/06/16
ATI (TST1588)	FM 4470	76506.01-111-47	09/06/07	FM (TST1867)	FM 4474	3062422 (data)	05/25/17
ATI (TST1588)	FM 4470	77891.01-111-47	10/26/07	FM (TST1867)	FM 4474	3062422 (data)	01/05/18
ATI (TST1588)	FM 4474	C1141.01-109-18	09/13/12	FM (TST1867)	FM 4474	PR449852 (data)	03/29/18
ATI (TST1588)	TAS 114	D7772.01-109-18	07/09/14	FM (TST1867)	FM 4474	3063767 (litr)	04/03/18
ATI (TST1588)	TAS 114	D7772.02-109-18	07/14/14	FM (TST1867)	FM 4474	3058463	05/22/18
ATI (TST1588)	TAS 114	E4981.01-109-18	02/26/15	FM (TST1867)	FM 4470	3063373	07/23/18

ENTITY	EXAM	REFERENCE	DATE	ENTITY	EXAM	REFERENCE	DATE
CTL (TST1577)	FM 4474	CTLA-105R	10/13/08	FM (TST1867)	FM 4474	PR451012 (data)	09/11/18
CTL (TST1577)	FM 4474	CTLA-105R-1	10/13/08	FM (TST1867)	FM 4474	PR449651	09/25/18
CTL (TST1577)	FM 4474	CTLA-105R-2	10/13/08	FM (TST1867)	FM 4474	RR206411	09/26/18
CTL (TST1577)	FM 4474	CTLA-106R	10/16/08	FM (TST1867)	FM 4474	3063085	10/05/18
CTL (TST1577)	FM 4474	CTLA-106R-1	10/16/08	FM (TST1867)	FM 4474	PR451012 (data)	10/11/18
CTL (TST1577)	FM 4474	CTLA-106R-2	10/16/08	FM (TST1867)	FM 4474	PR452297 (data)	12/05/18
CTL (TST1577)	FM 4474	CTLA-106R-3	10/16/08	FM (TST1867)	FM 4474	PR452297 (data)	12/06/18
CTL (TST1577)	FM 4474	CTLA-106R-4	10/16/08	FM (TST1867)	FM 4474	PR451012 (data)	12/13/18
CTL (TST1577)	TAS 117	CTLA 111R	01/13/09	FM (TST1867)	FM 4474	PR452773 (data)	01/30/19
ERD (TST 11294)	FM 4474	13380.01.17	01/27/17	FM (TST1867)	FM 4474	PR452773 (data)	02/01/19
ERD (TST 11294)	FM 4474	CLT16160.08.17-1	08/28/17	FM (TST1867)	FM 4474	PR451012 (data)	02/01/19
ERD (TST 11294)	FM 4474	CLT16160.08.17-2	08/28/17	FM (TST1867)	FM 4474	3059662	02/05/19
ERD (TST 6049)	FM 4470	E9490.03.08	03/25/08	FM (TST1867)	FM 4474	PR451520 (data)	05/02/19
ERD (TST 6049)	Criticality	A35880.04.12-R1	10/26/12	FM (TST1867)	FM 4474	PR453044	05/30/19
ERD (TST 6049)	FM 4474	NG-SC10075.12.15	12/28/15	FM (TST1867)	FM 4474	PR453924 (data)	06/19/19
ERD (TST 6049)	FM 4474	SC10010.02.16	02/29/16	FM (TST1867)	FM 4474	3060914	06/20/19
ERD (TST 6049)	FM 4474	CRL-SC13450.01.17	01/31/17	FM (TST1867)	FM 4474	PR453922	08/08/19
ERD (TST 6049)	Criticality	SFS-SC12250.10.17	10/23/17	FM (TST1867)	FM 4474	PR452049	08/27/19
FM (QUA1840)	Traceability	3056620	10/12/15	FM (TST1867)	FM 4474	PR460398 (data)	01/29/20
FM (TST1867)	FM 4470	1T3A3.AM	11/26/91	FM (TST1867)	FM 4474	PR453353	01/31/20
FM (TST1867)	FM 4470	0V7A4.AM	06/10/92	FM (TST1867)	FM 4474	PR453923	02/02/20
FM (TST1867)	FM 4470	1V9A5.AM	09/16/92	FM (TST1867)	FM 4474	PR451812	04/24/20
FM (TST1867)	FM 4470	1T2A6.AM	02/22/93	FM (TST1867)	FM 4474	RR223958	06/10/20
FM (TST1867)	FM 4470	1X6A7.AM	08/16/93	FM (TST1867)	FM 4474	RR224173	06/30/20
FM (TST1867)	FM 4470	3Z9A1.AM	10/15/97	FM (TST1867)	FM 4474	PR454181	12/10/20
FM (TST1867)	FM 4470	3001580	11/16/98	FM (TST1867)	FM 4474	PR460398 (data)	06/23/21
FM (TST1867)	FM 4470	3001522	03/26/99	FM (TST1867)	FM 4474	PR456208 (data)	09/28/21
FM (TST1867)	FM 4470	3003393	03/30/99	FM (TST1867)	FM 4474	PR459293	09/29/21
FM (TST1867)	FM 4470	3003337	06/11/99	FM (TST1867)	FM 4474	PR453924 (data)	11/10/21
FM (TST1867)	FM 4470	3006110	06/13/01	FM (TST1867)	FM 4474	PR454979	12/07/21
FM (TST1867)	FM 4470	3011329	06/10/02	FM (TST1867)	FM 4474	PR453924 (data)	12/08/21
FM (TST1867)	FM 4470	3012879	04/04/03	FM (TST1867)	FM 4474	PR465894 (data)	04/12/23
FM (TST1867)	FM 4470	3013584	06/27/03	FM (TST1867)	FM 4474	PR467995 (data)	01/04/24
FM (TST1867)	FM 4470	3014692	08/05/03	FM (TST1867)	FM 4474	PR463769 (LTR)	01/13/24
FM (TST1867)	FM 4470	3016355	09/15/03	FM (TST1867)	FM 4474	PR467975	03/21/24
FM (TST1867)	FM 4470	3019890	12/16/04	FM (TST1867)	FM 4474	PR469635 (data)	05/23/24
FM (TST1867)	FM 4474	3017662	06/07/05	FM (TST1867)	FM 4474	PR469635 (data)	07/28/24
FM (TST1867)	FM 4474	3023032	07/20/05	FM (TST1867)	FM 4474	PR462962	07/30/24
FM (TST1867)	FM 4474	3018631	11/03/05	FM (TST1867)	FM 4474	PR470092	08/14/24
FM (TST1867)	FM 4474	3023999	11/08/05	FM (TST1867)	FM 4474	PR469635 (data)	09/12/24
FM (TST1867)	FM 4474	3020845	01/25/06	M-D (CER1592)	TAS 114	21-1229.06	02/24/22
FM (TST1867)	FM 4474	3021941	03/20/06	M-D (CER1592)	TAS 114	23-0817.05	09/14/23
FM (TST1867)	FM 4474	3023340	03/20/06	M-D (CER1592)	TAS 114	24-0906.02	10/17/24
FM (TST1867)	FM 4474	3023458	07/18/06	NEMO (TST 6049)	FM 4474	4-CRL-18-003.05.18	05/15/18
FM (TST1867)	FM 4474	3024593	07/27/06	NEMO (TST 6049)	FM 4474	CRL-SC16815.06.18	06/07/18
FM (TST1867)	FM 4474	3022174	09/25/06	NEMO (TST 6049)	FM 4474	4L-CEL-18-001.12.18	12/14/18
FM (TST1867)	FM 4474	3021235	06/01/07	NEMO (TST 6049)	Criticality	4S-CRL-18-005.11.18-R1	01/17/19
FM (TST1867)	FM 4474	3026964	07/25/07	NEMO (TST 6049)	FM 4474	4L-CRL-18-003.12.18	01/14/20
FM (TST1867)	FM 4470	3030926	08/07/07	NEMO (TST 6049)	FM 4474	4a-CRL-19-LSWUS-01.A	01/14/20
FM (TST1867)	FM 4474	3028438	08/22/07	NEMO (TST 6049)	FM 4474	4a-CRL-19-LSWUS-02.A	03/05/20
FM (TST1867)	FM 4474	3031350	09/27/07	NEMO (TST 6049)	FM 4474	4a-CRL-23-LSWUS-02.A	12/13/24
FM (TST1867)	FM 4474	3030536	10/09/07	NEMO (TST 6049)	FM 4474	4a-CRL-LSWUS-001.A.R1	12/13/24
FM (TST1867)	FM 4474	3028655	11/09/07	NEMO (TST 11294)	FM 4474	2-CRL-18-002.04.18	05/15/18
FM (TST1867)	FM 4474	3026951	01/21/08	NEMO (TST 11294)	FM 4474	2a-CRL-19-LWWUS-01.A	05/13/19
FM (TST1867)	FM 4474	3031349	05/13/08	NEMO (TST 11294)	FM 4474	2a-CRL-19-LWWUS-02.A	01/14/20
FM (TST1867)	FM 4474	3031765	07/21/08	NEMO (TST 11294)	FM 4474	2-CRL-18-002.10.18-2-R1	01/23/20
FM (TST1867)	FM 4474	3029840	09/08/08	NEMO (TST 11294)	FM 4474	2a-CRL-22-LSWUS-01.A	07/18/22
FM (TST1867)	FM 4474	3033217	12/08/08	NEMO (TST11294)	FM 4474	2a-CRL-23-LSWUS-01.A	04/12/23
FM (TST1867)	FM 4474	3034985	12/15/08	PRI CMT(TST5878)	FM 4474	CST-016-02-01	05/04/11
FM (TST1867)	FM 4474	3034066	04/14/09	PRI CMT(TST5878)	FM 4474	CST-016-02-01	05/05/11
FM (TST1867)	FM 4474	3034776	08/07/09	UL, LLC. (TST9628)	UL 1897	08CA15815	10/22/08
FM (TST1867)	FM 4474	3037400	09/02/09	NEMO	Data Release	NE-FRM-0025-USG	02/17/21
FM (TST1867)	FM 4474	3033356	10/09/09	NEMO	Data Release	NE-FRM-0025-SFS	11/29/21
FM (TST1867)	FM 4474	3034297	11/13/09	NEMO	Data Release	NE-FRM-0025-OMG	11/30/21
				NEMO	Data Release	NE-FRM-0025-OMG	11/19/23
				NEMO	Traceability	FBC PCL-USP	10/14/22
				UL, LLC. (QUA9625)	QA	Service Confirmation	07/06/22
				UL, LLC. (QUA9625)	QA	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

This PEER covers **Sure-Weld TPO Roof Systems** installed in accordance with **Carlisle SynTec Systems** published installation instructions and the [Limitations of Use](#) herein.

TABLE 1: EVALUATED MEMBRANES						
TYPE	PRODUCT		MATERIAL STANDARD			PLANT(s) ¹
			REFERENCE	TYPE	GRADE	
ROOF COVER OR CAP PLY	Sure-Weld*	45, 60-mil	ASTM D6878	N/A	N/A	MLI-10046
	Sure-Weld EXTRA*	72, 80-mil	ASTM D6878	N/A	N/A	MLI-10048
	Sure-Weld HS	60, 80-mil	ASTM D6878	N/A	N/A	MLI-10049
	Sure-Weld FleeceBACK FR*	60-mil	ASTM D6878	N/A	N/A	MLI-10048
	Sure-Weld FleeceBACK 100, 115 or 135*	45, 60, 80-mil	ASTM D6878	N/A	N/A	MLI-10049
	Sure-Weld AFX 120, AFX 135 or AFX 155	45, 60, 80-mil	ASTM D6878	N/A	N/A	MLI-10048
	Sure-Weld SAT*	60, 80-mil	ASTM D6878	N/A	N/A	MLI-10049
	Sure-Weld FleeceBACK® RL™*	60, 80-mil	ASTM D6878	N/A	N/A	MLI-10048
BASE PLY OR VAPOR BARRIER MEMBRANES	SureMB 90 Base		ASTM D6163	I	S	TX
	SureMB 90TG Base		ASTM D6163	I	S	TX
	SureMB 120TG Base		ASTM D6163	I	S	TX
	SureMB 90 Poly Base		ASTM D6164	I	S	TX
	SureMB 120 Poly Base		ASTM D6164	I	S	TX

* Certified by ISO/IEC 17065 accredited entity [NEMO|cert.](#)

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 PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.
- 5.2 This PEER is not for use in FBC High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).
- 5.3 This PEER pertains to above-deck roof components. Roof decks and structural members shall be in accordance with the requirements of the applicable Code to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This PEER does not include evaluation of fire classification. Refer to **FBC or IBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC or IBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 This PEER does not include evaluation of roof edge termination. Refer to **FBC or IBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.

¹ Building officials, Designers of Record and other Authorities Having Jurisdiction may contact info@nemoetc.com to obtain manufacturing location information for products evaluated herein.

- 5.6 Refer to **FBC or IBC 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 or IBC 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 or IBC 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](#) or [RAS 137](#). Assemblies marked with an asterisk* carry the limitations set forth in [Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 \(February 2020\)](#) for Zone 2/3 enhancements.
- 5.7.3 For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with **FBC or IBC 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 PEER.

6. INSTALLATION:

Carlisle Sure-Weld TPO Roof Systems shall be installed in accordance with **Carlisle SynTec Systems** 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 LLC – QUA9625](#); (360) 817-5512; bsai.inspections@ul.com

- THE 125-PAGES THAT FOLLOW FORM PART OF THIS PEER -

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

TABLE	DECK	APPLICATION	TYPE	DESCRIPTION	PAGE
1A	Wood	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	9
1B	Wood	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	10
1C	Wood	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover	13
1D	Wood	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	14
1E	Wood	New, Reroof (Tear-Off), Recover	C-2	Induction-Welded Roof Cover	16
1F	Wood	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover	18
1G	Wood	New, Reroof (Tear-Off), Recover	D-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	19
1H	Wood	New, Reroof (Tear-Off), Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	19
1I	Wood	New, Reroof (Tear-Off), Recover	E-2	Non-Insulated, Mechanically Attached Base Sheet, Bonded Roof Cover	20
1J	Wood	New, Reroof (Tear-Off), Recover	G	Optional Insulation, Loose-Laid Roof Cover, Pressure Equalizing Vent	20
2A	Steel	New or Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	21
2B	Steel or structural concrete	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	23
2C	Steel or structural concrete	New, Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Base Ply, Bonded Roof Cover	32
2D	Steel	New, Reroof (Tear-Off), Recover	B-2	Mechanically Attached Thermal Barrier, Bonded Vapor Barrier, Bonded Insulation, Bonded Roof Cover	34
2E	Steel or structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	37
2F	Steel or structural concrete	New, Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Base Ply, Bonded Roof Cover	53
2G	Steel	New, Reroof (Tear-Off), Recover	C-2	Induction-Welded Roof Cover	54
2H	Steel or structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (Stress Plate)	57
2I	Steel or structural concrete	New, Reroof (Tear-Off), Recover	D-1	Insulated, Mechanically Attached Roof Cover (RUSS Strips)	64
2J	Steel	New, Reroof (Tear-Off), Recover	D-3	Insulated, Mechanically Attached and Induction Welded Roof Cover	65
3A	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	66
3B	Structural concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Base Ply, Bonded Roof Cover	88
3C	Structural concrete	New, Reroof (Tear-Off), Recover	C-2	Induction-Welded Roof Cover	89
3D	Structural concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	91
3E	Structural concrete	New, Reroof (Tear-Off), Recover	G	Optional Insulation, Loose-Laid Roof Cover, Pressure Equalizing Vent	91
4A	Deck with Lightweight concrete	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	92
4B	Deck with Lightweight concrete	New, Reroof (Tear-Off)	A-2	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	95
4C	Deck with Lightweight concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	96
4D	Deck with Lightweight concrete	New, Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	99
4E	Deck with Lightweight concrete	Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	100
5A	Cementitious wood fiber	New, Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	101
5B	Cementitious wood fiber	New, Reroof (Tear-Off), Recover	B-3	Mechanically Attached Anchor Sheet, Bonded Insulation, Bonded Roof Cover	104
5C	Cementitious wood fiber	New, Recover	F	Non-Insulated, Bonded Roof Cover	104
6A	Existing gypsum	Reroof (Tear-Off)	A-1	Bonded Insulation, Bonded Roof Cover	105
6B	Existing gypsum	Reroof (Tear-Off), Recover	B-1	Mechanically Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	107
6C	Existing gypsum	Reroof (Tear-Off), Recover	C-1	Mechanically Attached Insulation, Bonded Roof Cover	109
6D	Existing gypsum	Reroof (Tear-Off)	F	Non-Insulated, Bonded Roof Cover	110
7A	Various	Recover	A-1	Bonded Insulation, Bonded Roof Cover	111
7B	Various	Recover	A-1	Bonded Insulation, Bonded Base Ply, Bonded Roof Cover	117
7C	Steel	Recover	C-2	Induction-Welded Roof Cover	119
7D	Steel	Recover	D-1	Insulated, Mechanically Attached Roof Cover	120
7E	Steel	Recover	D-2	Insulated, Mechanically Attached Roof Cover (RUSS Strips)	121
7F	Various	Recover	E-1	Non-Insulated, Mechanically Attached Roof Cover	122
7G	Various	Recover	F-1	Non-Insulated, Bonded Roof Cover	123
7H	Various	Recover	F-2	New LWC over Existing Roof, Bonded Roof Cover	124
8A/8B	Guidance / Limitations for use of Hilti fasteners in Type B steel deck securement beneath Carlisle SynTec roof systems				125

The following notes apply to the systems outlined herein:

- 1 The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC or IBC requirements to the satisfaction of the Authority Having Jurisdiction.
 - As-tested roof cover performance in accordance with FM 4474 and TAS 114, Appendix J indicates min. 22 ga., Type B, Grade 40 steel deck at max. 6 ft spans attached with 5/8-inch diameter puddle welds spaced 6" o.c., with deck side laps secured max. 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screws, may be used for roof assemblies over steel deck up to a maximum design pressure of -60.0 psf. This does not preclude Note 1 above.
 - Tables 8A and 8B provide guidance / limitations associated with use of fasteners from Hilti, Inc. to secure steel decking to structural members.

- 2 Unless otherwise noted, fasteners and stress plates shall be as follows. Fastener shall be of sufficient length for the following engagements:

FASTENER/PLATE OPTIONS				
DECK TYPE	BY	FBC FILE NO.	PARTS	MINIMUM ENGAGEMENT
WOOD	Carlisle SynTec	N/A	Carlisle HP Fastener with Carlisle Insulation Fastening Plate	Minimum ¾-inch plywood penetration or minimum 1-inch wood plank embedment
STEEL	Carlisle SynTec	N/A	Carlisle HP Fastener with Carlisle Insulation Fastening Plate	Minimum ¾-inch steel penetration and engage the top flute of the steel deck
STRUCTURAL CONCRETE	Carlisle SynTec	N/A	Carlisle HD 14-10 Fastener, Carlisle CD-10 or HP Concrete Spike (1/4) with Carlisle Insulation Fastening Plate	Minimum 1-inch embedment. Fastener installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions

- 3 Unless otherwise noted, insulation may be any one layer or combination of FBC or IBC Approved (Local or Statewide) board(s) that meet FBC or IBC 1505 and, for foam plastic, FBC or IBC Chapter 26, when installed with the roof cover.
- 4 Minimum 200 psi, minimum 2-inch thick FBC or IBC Approved lightweight insulating concrete may be substituted for rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with FBC or IBC 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.
- 5 Preliminary Insulation Attachment:
- 5A Unless otherwise noted, use Approved roofing fasteners and plates; minimum two (2) parts per 4x4 ft board, minimum four (4) parts per 4x8 ft board or minimum six (6) parts per 4x12 ft board.
- 5B For systems where a vapor barrier is installed refer to Section 2.2.10.1.3 of [FM Loss Prevention Data Sheet 1-29](#). For 4x12-ft boards, increase preliminary attachment requirements proportionally relative to FM LPDS 1-29 requirements for 4x8-ft boards.
- 5C For systems where no vapor barrier is installed, Carlisle InsulFast may be used in place of Carlisle HP Fastener for preliminary attachment purposes over wood and steel deck.
- 6 Unless otherwise noted, insulation adhesive application rates are as follows.
 - ✓ Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer's published instructions.
 - ✓ 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.
 - ✓ "FULL" or "SPATTER" applications may be used wherever "RIBBON" is referenced for insulation securement, except direct-to-steel-deck applications, where ribbons at the top flanges are required.

INSULATION ADHESIVE REFERENCES			
ADHESIVE	METHOD	REFERENCE	MINIMUM RATE
Flexible FAST	full-coverage	Flexible FAST (FULL)	Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal./square
Flexible FAST	splatter-applied	Flexible FAST (SPATTER)	Splatter-applied at 0.5 gal/square (wet) = 4.7 lb/square (dry)
Flexible FAST	ribbon-applied	Flexible FAST (RIBBON)	Continuous ribbons, 12-inch o.c.
Flexible FAST Dual-Tank	full-coverage	Flexible FAST DT (FULL)	Continuous ribbons, 4-inch o.c. or spray-applied at 1 gal./square
Flexible FAST Dual-Tank	splatter-applied	Flexible FAST DT (SPATTER)	Splatter-applied at 0.4 gal/square (wet) = 3.7 lb/square (dry)
Flexible FAST Dual-Tank	ribbon-applied	Flexible FAST DT (RIBBON)	Continuous ribbons, 12-inch o.c.
Carlisle OlyBond 500 BA	ribbon-applied	OB500	Continuous 0.75-inch wide ribbons, 12-inch o.c. (PaceCart, SpotShot or Canister)

- 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		
Flexible FAST	Any polyisocyanurate listed with adhesive herein	Various	0.5	-157.5
OB500	Any polyisocyanurate listed with adhesive herein	Various	0.5	-187.5

- 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 or IBC 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 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 or IBC 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.
- 12A Reference to "Existing asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)" in [Table 7A](#) is intended to convey an as-tested condition whereby any loose-gravel that does not remain embedded in the asphalt flood coat after brushing and/or spudding be removed. The gravel that remains embedded in the asphalt flood coat remains.



- 13 Refer to FBC or IBC 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 or IBC 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 or IBC 1505 and, for foam plastic, FBC or IBC 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	APPLICATION	RATE
Sure-Weld or Sure-Weld HS	Aqua Base 120 Bonding Adhesive (Aqua Base 120)	Contact (both sides)	0.42 gal/square per surface [0.84 gal/square (120 ft ² /gal) finish]
Sure-Weld	CAV-GRIP III Adhesive/Primer (CAV-GRIP III AP)	Contact (both sides)	0.225 gal/square per surface [0.45 gal/square (222 ft ² /gal) finish]
Sure-Weld or Sure-Weld HS	Low VOC Bonding Adhesive (LVOC BA)	Contact (both sides)	0.83 gal/square per surface [(1.66 gal/square (60 ft ² /gal) finish]
Sure-Weld or Sure-Weld HS	Sure-Seal 90-8-30A Bonding Adhesive	Contact (both sides)	0.83 gal/square per surface [1.66 gal/square (60 ft ² /gal) finish]
Sure-Weld or Sure-Weld HS	Sure-Weld Bonding Adhesive	Contact (both sides)	0.83 gal/square per surface [(1.66 gal/square (60 ft ² /gal) finish]
Sure-Weld FleeceBACK	Aqua Base 120 Bonding Adhesive	Wet lay (substrate)	0.83 gal/square (120 ft ² /gal)
Sure-Weld FleeceBACK	HydroBond Water-Based Adhesive (HydroBond WB)	Wet lay (substrate)	0.75 to 1 gal/square (100 to 133 ft ² /gal)
Sure-Weld FleeceBACK	Flexible FAST	Wet lay (substrate)	RIBBON spaced as noted herein or FULL Coverage = 1 gal/square or continuous ribbons, maximum 4-inch o.c. or splatter-applied at 0.5 gal/square (wet) = 4.7 lb/square (dry)
Sure-Weld FleeceBACK	Flexible FAST Dual-Tank (Flexible FAST DT)	Wet lay (substrate)	RIBBON spaced as noted herein or FULL Coverage = 1 gal/square, continuous ribbons, maximum 4-inch o.c. or splatter-applied at 0.4 gal/square (wet) = 3.7 lb/square (dry)
Sure-Weld AFX	Carlisle Cold Applied Adhesive (C-CAA)	Wet lay (substrate)	1.5 gal/square
Sure-Weld AFX	Hot asphalt	Wet lay (substrate)	25 lbs/square
Sure-Weld FleeceBACK® RL™	VELCRO® Brand Securable Solutions	Only for use over InsulBase RL or SecurShield HD RL substrates. Roof cover is broomed into place and rolled with 150 lb roller to establish contact.	

- 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. For assemblies using “TreadSafe” plates, the minimum insulation thickness shall be 2-inches.
- 15C For System Types A-1, A-2, B-1, B-2 or C-1 involving Sure-Weld adhered in CAV-GRIP III Adhesive/Primer over SecurShield, SecurShield HD, SecurShield HD Plus, G-P Gypsum “DensDeck Prime” or USG “SECURLOCK Gypsum-Fiber Roof Board”, the top insulation layer may be optionally primed with Detec Systems “TruGround Conductive Primer”, roller-applied at 0.4 gal/square prior to membrane installation.
- 15D For System Types C-2, D-1 or D-2, the top insulation layer may be optionally primed with Detec Systems “TruGround Conductive Primer”, roller-applied at 0.4 gal/square prior to membrane installation. For System Type C-2, do not contaminate the induction weld stress plate with primer.

16 **Thermal Barrier and/or Vapor Barrier Options:**

16A **Structural Concrete Decks:** The lesser of the MDP listings below vs. that for the selected assembly applies.

STRUCTURAL CONCRETE DECK: VAPOR BARRIER FOLLOWED BY ADHESIVE-APPLIED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE PER TABLE 3A OR 3B (NOTES 6,7&8)	MDP (PSF)*
		TYPE	APPLICATION		
C-VB-1.	702 Primer, 702 LV Primer, CAV-GRIP Primer or CAV-GRIP III LVOC-AP	VapAir Seal 725TR	Self-adhering	Flexible FAST (RIBBON)	-157.5
C-VB-2.	702 Primer, 702 LV Primer, CAV-GRIP Primer or CAV-GRIP III LVOC-AP	VapAir Seal 725TR	Self-adhering	Flexible FAST DT (RIBBON)	-172.5
C-VB-3.	702 Primer, 702 LV Primer, CAV-GRIP Primer or CAV-GRIP III LVOC-AP	VapAir Seal 725TR	Self-adhering	Flexible FAST (RIBBON, 6-inch o.c. or SPLATTER) or Flexible FAST DT (RIBBON, 6-inch o.c. or SPLATTER)	-270.0
C-VB-4.	CAV-GRIP Primer or CAV-GRIP III LVOC-AP	VapAir Seal 725TR	Self-adhering	Flexible FAST (FULL COVERAGE, 1 gal/square), Flexible FAST (SPLATTER) or Flexible FAST DT (SPLATTER)	-427.5
C-VB-5.	ASTM D41	SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base	Hot-asphalt	Hot asphalt at 25 lbs/square	-172.5
C-VB-6.	ASTM D41	SureMB 90TG or 120TG Base	Torch-applied	Hot asphalt at 25 lbs/square	-180.0
C-VB-7.	None	SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base	Carlisle Cold Applied Adhesive, 1-inch ribbons, 12-inch o.c.	Flexible FAST (RIBBON) or Flexible FAST DT (RIBBON)	-180.0
C-VB-8.	None	SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base	Carlisle Cold Applied Adhesive, 1-inch ribbons, 6-inch o.c.	Flexible FAST (RIBBON, 6-inch o.c. or SPLATTER) or Flexible FAST DT (RIBBON, 6-inch o.c. or SPLATTER)	-255.0
C-VB-9.	ASTM D41	SureMB 90TG or 120TG Base	Torch-applied	Flexible FAST (RIBBON) or Flexible FAST DT (RIBBON)	-307.5
C-VB-10.	ASTM D41	SureMB 90TG or 120TG Base	Torch-applied	Flexible FAST (RIBBON, 6-inch o.c. or SPLATTER) or Flexible FAST DT (RIBBON, 6-inch o.c. or SPLATTER)	-495.0
C-VB-11.	CAV-GRIP III Adhesive/Primer at 0.33 gal/square	SureMB 70 SA Base Ply	Self-adhering	Flexible FAST (RIBBON) or Flexible FAST DT (RIBBON)	-142.5
C-VB-12.	CAV-GRIP III Adhesive/Primer at 0.33 gal/square	SureMB 70 SA Base Ply	Self-adhering	Flexible FAST (RIBBON, 6-inch o.c. or SPLATTER) or Flexible FAST DT (RIBBON, 6-inch o.c. or SPLATTER)	-255.0

16B **Tectum Decks:** The lesser of the MDP listings below vs. that for the selected assembly applies.

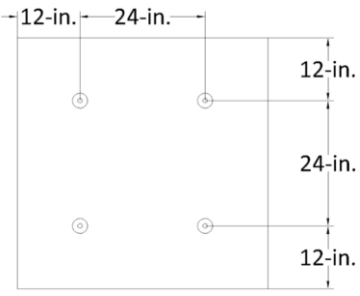
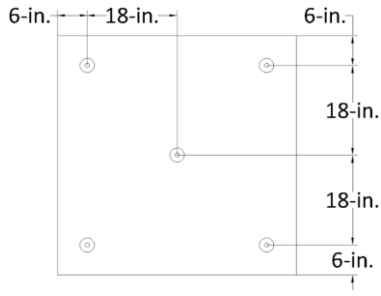
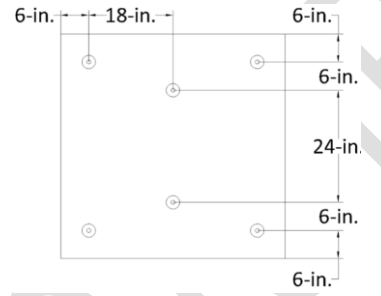
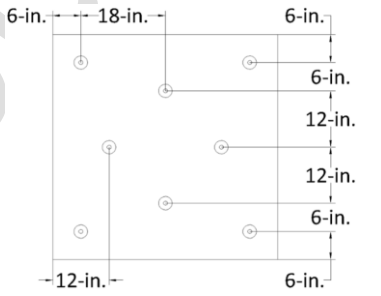
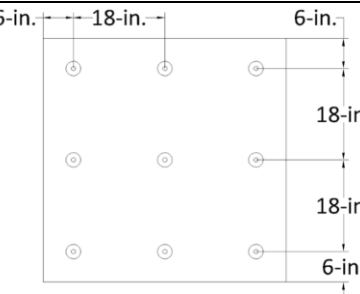
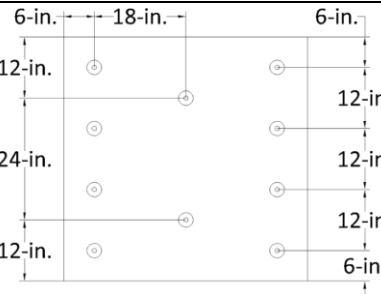
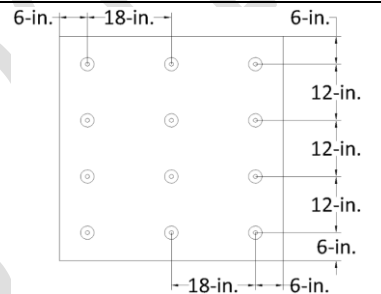
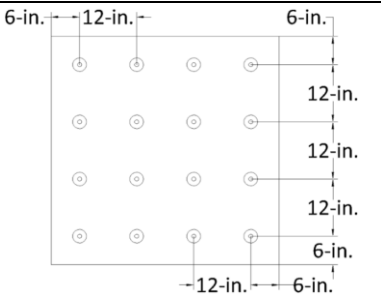
TECTUM PLANK DECK: VAPOR BARRIER FOLLOWED BY ADHESIVE-APPLIED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE PER TABLE 5A (NOTES 6,7&8)	MDP (PSF)
		TYPE	APPLICATION		
CWF-VB-1.	CAV-GRIP III Adhesive/Primer at 0.33 gal/square	SureMB 70 SA Base Ply or VapAir Seal 725TR	Self-adhering	Flexible FAST (FULL or SPLATTER) or Flexible FAST Dual-Tank (FULL or SPLATER)	-350.0

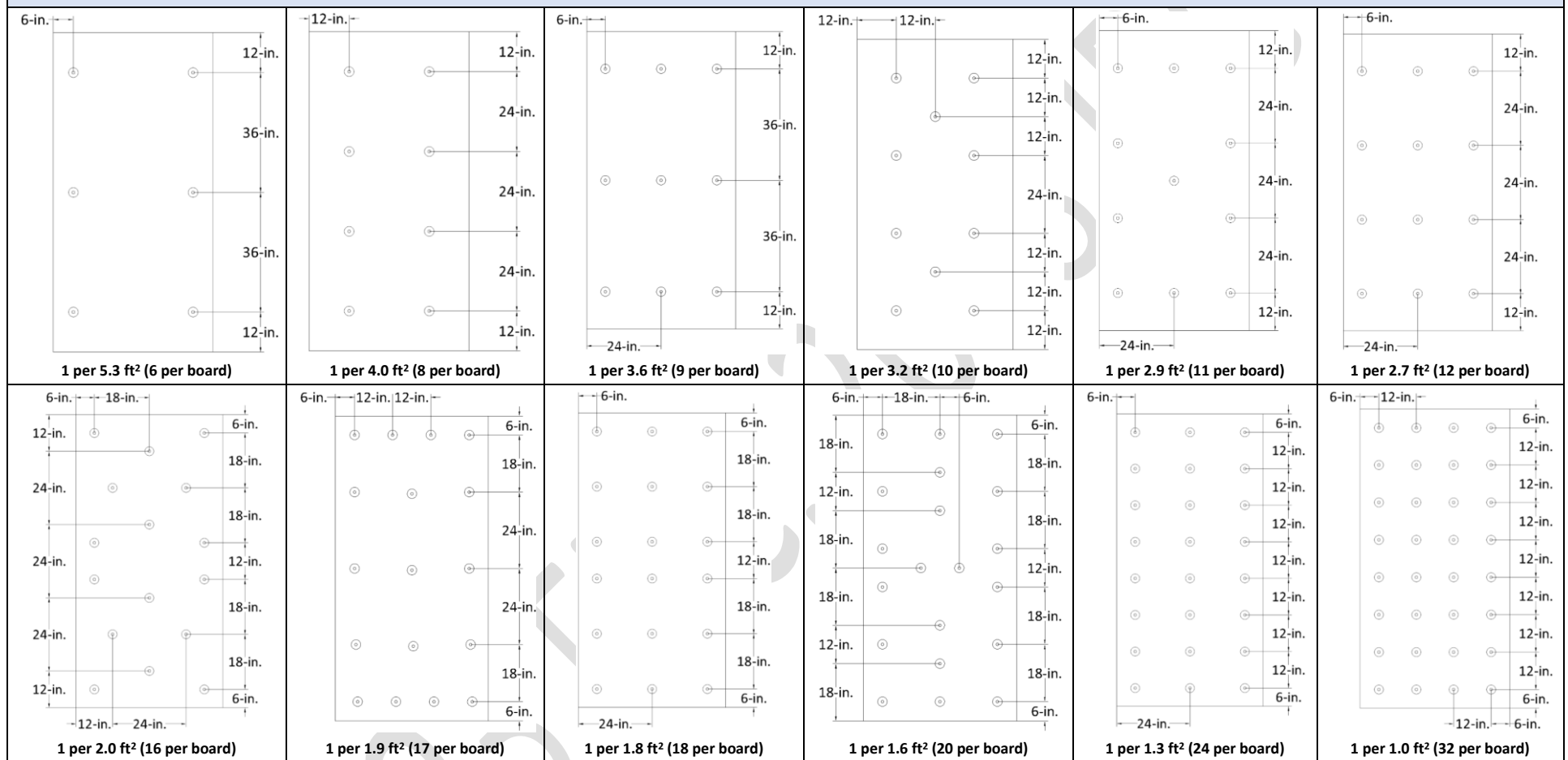
16C **Existing Gypsum Decks:** The lesser of the MDP listings below vs. that for the selected assembly applies.

EXISTING GYPSUM DECK: VAPOR BARRIER FOLLOWED BY ADHESIVE-APPLIED INSULATION					
OPTION #	PRIMER	VAPOR BARRIER		INSULATION ADHESIVE PER TABLE 6A (NOTES 6,7&8)	MDP (PSF)*
		TYPE	APPLICATION		
GYP-VB-1.	CAV-GRIP III Adhesive/Primer	VapAir Seal 725TR	Self-adhering	Flexible FAST (RIBBON) or Flexible FAST DT (RIBBON)	-187.5
GYP-VB-2.	702 Primer, 702 LV Primer	VapAir Seal 725TR	Self-adhering	Flexible FAST (RIBBON) or Flexible FAST DT (RIBBON)	-247.5

16D For System Types B-1, B-2, C-1, C-2, D-1 or D-2, VapAir Seal 725TR or VapAir Seal MD may be installed atop the roof deck prior to installation of the insulation and roof cover. Refer to [FM Loss Prevention Data Sheet](#) 1-29 for design and installation limitations.

17 Unless otherwise noted, insulation or coverboard attachment patterns for Type B-1, Type B-2 and Type C-1 systems are as outlined below.

INSULATION ATTACHMENT PATTERNS – 4x4 FT BOARDS			
 1 per 4.0 ft² (4 per board)	 1 per 3.2 ft² (5 per board)	 1 per 2.7 ft² (6 per board)	 1 per 2.0 ft² (8 per board)
 1 per 1.8 ft² (9 per board)	 1 per 1.6 ft² (10 per board)	 1 per 1.3 ft² (12 per board)	 1 per 1.0 ft² (16 per board)

INSULATION ATTACHMENT PATTERNS – 4x8 FT BOARDS


18 The following products are interchangeable within the scope of this Evaluation Report:

ACCEPTABLE ALTERNATES				
SUB-CATEGORY	By	LISTED PRODUCT HEREIN	ALTERNATE	FBC FILE
MEMBRANE	Carlisle SynTec	Sure-Weld	Sure-Weld EXTRA and Sure-Weld HS	FL14083
		Sure-Weld FleeceBACK	Includes 100, 115 and 135	
		Sure-Weld AFX	Includes AFX 120, AFX 135 and AFX 155	
ADHESIVES	Carlisle SynTec	OB500	OMG OlyBond 500 Adhesive Fastener	FL1608
ROOFING INSULATION	Carlisle SynTec	InsulBase	InsulBase NH, H-Shield, H-Shield NH	FL5968
		SecurShield	SecurShield NH, H-Shield CG, H-Shield CG NH	
		SecurShield HD	SecurShield HD NH, H-Shield HD, H-Shield HD NH	
		SecurShield HD Plus	SecurShield HD Plus NH, H-Shield HD90, H-Shield HD90 NH	
		SecurShield HD Composite	H-Shield HD Composite	
		StormBase	H-Shield NB	
	Georgia-Pacific Gypsum, LLC	DensDeck Prime	DensDeck StormX Prime Roof Board	FL1250
	National Gypsum	DEXcell FA Glass Mat Roof Board	DEXcell FA VSH Glass Mat Roof Board	FL17840

19 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC or IBC 1609 for determination of design wind loads. ([Note 9](#) and [Note 10](#))

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

System No.	Deck (Note 1)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:									
W-1.	7/16-inch APA rated OSB; 2 ft spans	None	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
W-2.	7/16-inch APA rated OSB; 2 ft spans	None	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
W-3.	Min. 15/32-inch APR rated CDX plywood; 2 ft spans	None	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-67.5
W-4.	Min. 15/32-inch APR rated CDX plywood; 2 ft spans	None	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-67.5
W-5.	Min. 15/32-inch APR rated CDX plywood; 2 ft spans	None	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Flexible FAST (RIBBON)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-67.5
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):									
W-6.	7/16-inch APA rated OSB; 2 ft spans	None	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0*
W-7.	7/16-inch APA rated OSB; 2 ft spans	None	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0*

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

System No.	Deck (Note 1)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
W-8.	Min. 15/32-inch APR rated CDX plywood; 2 ft spans	None	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-67.5
W-9.	Min. 15/32-inch APR rated CDX plywood; 2 ft spans	None	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-67.5
W-10.	Min. 15/32-inch APR rated CDX plywood; 2 ft spans	None	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-67.5

TABLE 1B: 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 (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:								
W-11.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.7 ft²	Additional layer(s), min. 1.5-inch base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-37.5
W-12.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.7 ft²	<u>Insulation</u> : (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-37.5
W-13.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft²	Additional layer(s), min. 1.5-inch base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-60.0

TABLE 1B: 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 (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
W-14.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-60.0
W-15.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Flexible FAST (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-60.0
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):								
W-16.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.7 ft ²	Additional layer(s), min. 1.5-inch base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-37.5
W-17.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.7 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-37.5
W-18.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-60.0
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
W-19.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.7 ft ²	Additional layer(s), min. 1.5-inch base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-37.5
W-20.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.7 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-37.5

TABLE 1B: 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 (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
W-21.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft ²	Additional layer(s), min. 1.5-inch base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-60.0
W-22.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH, min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-60.0
W-23.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-60.0
SURE-WELD FLEECEBACK® RL™ APPLICATIONS:								
W-24.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.7 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL or min. 1.5-inch InsulBase RL	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK® RL™	-37.5
W-25.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL or min. 1.5-inch InsulBase RL	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK® RL™	-60.0

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

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Cap Ply	
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):									
W-26.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.7 ft²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-37.5
W-27.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-60.0
SURE-WELD AFX MEMBRANE APPLICATIONS:									
W-28.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.7 ft²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt, Flexible FAST (RIBBON) or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-37.5
W-29.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	Min. 2-inch InsulBase, H-Shield, SecurShield or H-Shield CG	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s), min. 1.5-inch base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	hot asphalt, Flexible FAST (RIBBON) or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-60.0

**TABLE 1D: 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 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2 , Note 11)	Attach (Note 17)		
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:							
W-30.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Carlisle InsulFast with SecurFast Insulation Fastening Plate	1 per 2.0 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-30.0
W-31.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch InsulBase, H-Shield, SecurShield, H-Shield CG, SecurShield HD Composite or H-Shield HD Composite	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.7 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-37.5
W-32.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-37.5
W-33.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Carlisle InsulFast with Insulation Fastening Plate	1 per 4.0 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
W-34.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.7 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0
W-35.	Min. 23/32-inch plywood; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft²	Sure-Weld / CAV-GRIP III AP or LVOC BA	-45.0*
W-36.	Min. 19/32-inch plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, InsulBase, SecurShield or ENRGY 3	Note 2	1 per 2.0 ft²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP or Sure-Weld BA	-45.0*
W-37.	Min. 19/32" (nominal 5/8") CDX plywood; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.4375-inch DEXcell Cement Roof Board	Carlisle InsulFast with Insulation Fastening Plate	1 per 1.8 ft²	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-52.5
W-38.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch InsulBase, H-Shield, SecurShield, H-Shield CG, SecurShield HD Composite or H-Shield HD Composite	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-60.0
W-39.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-60.0
W-40.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Carlisle InsulFast with Insulation Fastening Plate	1 per 1.8 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-67.5
W-41.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-75.0
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):							
W-42.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Carlisle InsulFast with SecurFast Insulation Fastening Plate	1 per 2.0 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-30.0

**TABLE 1D: 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 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2 , Note 11)	Attach (Note 17)		
W-43.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch InsulBase, H-Shield, SecurShield, H-Shield CG, SecurShield HD Composite or H-Shield HD Composite	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.7 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-37.5
W-44.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-37.5
W-45.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Carlisle InsulFast with Insulation Fastening Plate	1 per 4.0 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0*
W-46.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.7 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0
W-47.	Min. 23/32-inch plywood	(Optional) One or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0*
W-48.	Min. 19/32" (nominal 5/8") CDX plywood; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.4375-inch DEXcell Cement Roof Board	Carlisle InsulFast with Insulation Fastening Plate	1 per 1.8 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-52.5
W-49.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 2-inch InsulBase, H-Shield, SecurShield, H-Shield CG, SecurShield HD Composite or H-Shield HD Composite	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-60.0
W-50.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-60.0
W-51.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Carlisle InsulFast with Insulation Fastening Plate	1 per 1.8 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-67.5
W-52.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Carlisle InsulFast with Insulation Fastening Plate	1 per 2.0 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-75.0

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

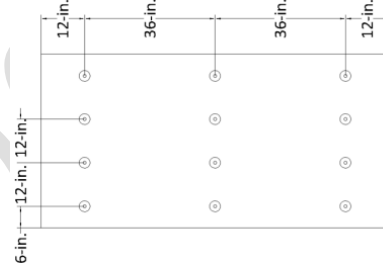
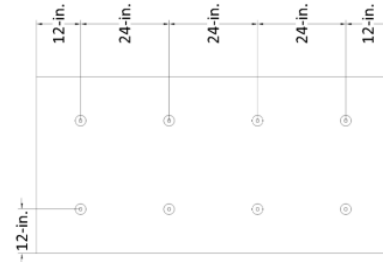
System No.	Deck (Note 1)	Insulation Layer (Note 3 , Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
RHINO BOND SYSTEMS:						
W-53.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 6 ft ² (2 x 3 ft grid pattern)	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-22.5*
W-54.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	(Optional) One or more layers, any combination, loose laid	Carlisle HP-X Fastener and RhinoBond Plate-TPO	1 per 2.7 ft ² (12 parts per 4x8 ft board) 	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-30.0*
W-55.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft ² (2 x 2 ft grid pattern)	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-30.0
W-56.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft ² (2 x 2 ft grid pattern)	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-37.5*
W-57.	Code compliant sheathing over nominal No. 2 wood trusses; 2 ft span	(Optional) One or more layers, any combination, loose laid	Carlisle HP-X Fastener and RhinoBond Plate-TPO <u>through to engage wood supports; min. 2-inch embedment.</u>	24-inch o.c. along wood supports, 24-inch o.c. 	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-37.5*

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

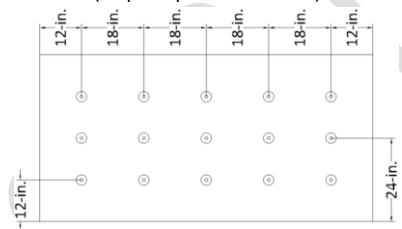
System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
W-58.	OSB, APA rated sheathing, 24/16, Exposure 1, PS2, 7/16 category	(Optional) One or more layers, any combination, loose laid	Carlisle HP-X Fastener and RhinoBond Plate-TPO	1 per 2.13 ft ² (15 parts per 4x8 ft board) 	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-45.0*
W-59.	Min. 19/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 6 ft ² (2 x 3 ft grid pattern)	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-45.0*
W-60.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 2.7 ft ² (12 parts per 4x8 ft board)	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-45.0
W-61.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	6-inch o.c. in rows 60-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-60.0
W-62.	Min. 19/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 2.7 ft ² (12 parts per 4x8 ft board)	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
ISOWELD INDUCTION WELDING SYSTEM:						
W-63.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 6 ft ² (2 x 3 ft grid pattern)	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-22.5*
W-64.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (2 x 2 ft grid pattern)	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-30.0
W-65.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (2 x 2 ft grid pattern)	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-37.5*
W-66.	Min. 19/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 6 ft ² (2 x 3 ft grid pattern)	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0*

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
W-67.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 2.7 ft ² (12 parts per 4x8 ft board)	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
W-68.	Min. 15/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	6-inch o.c. in rows 60-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-60.0
W-69.	Min. 19/32-inch plywood or wood plank	(Optional) One or more layers, any combination, loose laid	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 2.7 ft ² (12 parts per 4x8 ft board)	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-67.5

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
W-70.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	One or more layers, any combination	Prelim. Attach	Sure-Weld, min. 60-mil or Sure-Weld FleeceBACK FR	Carlisle HP-X Fastener and Piranha Plate	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-22.5
W-71.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	One or more layers, any combination	Prelim. Attach	Sure-Weld FleeceBACK	Carlisle HP-X Fastener and Piranha Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-37.5
W-72.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	One or more layers, any combination	Prelim. Attach	Sure-Weld, min. 60-mil or Sure-Weld FleeceBACK FR	Carlisle HP-X Fastener and Piranha Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
W-73.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	One or more layers, any combination	Prelim. attach	Sure-Weld, min. 60-mil	Carlisle HP-Xtra Fastener and Piranha XTRA Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0
W-74.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	One or more layers, any combination	Prelim. attach	Sure-Weld FleeceBACK FR	Carlisle HP-Xtra Fastener and Piranha XTRA Plate	6-inch o.c.	5.5-inch	54.5-inch o.c.	1.5-inch outside	-45.0
W-75.	Min. 19/32-inch plywood or wood plank; 2-ft spans	One or more layers, any combination	Prelim. attach	Sure-Weld	Carlisle HP-X Fastener and Piranha Plate or #15 Roofgrip with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-52.5
W-76.	Min. 19/32-inch plywood or wood plank; 2-ft spans	One or more layers, any combination	Prelim. attach	Sure-Weld	Carlisle HP-X Fastener and Piranha Plate or #15 Roofgrip with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	66.5-inch o.c.	1.5-inch outside	-67.5

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

System No.	Deck (Note 1)	Insulation (Note 3, Note 13)		Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Base Sheet	Fastener (Note 2, Note 11)	Attach	Membrane	Adhesive	
W-77.	Min. 19/32-inch plywood; 2-ft spans	One or more layers, any combination	Loose-laid	Atlas Summit Synthetic Underlayment	Carlisle #12 InsulFast and Sure-Seal Seam Fastening Plate	12-inch o.c. at the 4-inch laps and 12-inch o.c. at three, equally spaced rows in the center of the sheet.	Sure-Weld SAT	Self-adhered	-120.0

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

System No.	Deck (Note 1)	Thermal Barrier		Roof Cover (Note 15)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
W-78.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	(Optional) Any approved thermal barrier	Prelim. Attach	Sure-Weld, min. 60-mil or Sure-Weld FleeceBACK FR	Carlisle HP-X Fastener and Piranha Plate	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-22.5
W-79.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	(Optional) Any approved thermal barrier	Prelim. Attach	Sure-Weld FleeceBACK	Carlisle HP-X Fastener and Piranha Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-37.5
W-80.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	(Optional) Any approved thermal barrier	Prelim. Attach	Sure-Weld, min. 60-mil or Sure-Weld FleeceBACK FR	Carlisle HP-X Fastener and Piranha Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
W-81.	Min. 19/32-inch CDX plywood or wood plank; 2-ft spans	(Optional) Any approved thermal barrier	Prelim. Attach	Sure-Weld, min. 60-mil	Carlisle HP-Xtra Fastener and Piranha XTRA Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0
W-82.	Min. 19/32-inch CDX plywood or wood plank; 2 ft spans	(Optional) Any approved thermal barrier	Prelim. Attach	Sure-Weld FleeceBACK FR	Carlisle HP-Xtra Fastener and Piranha XTRA Plate	6-inch o.c.	5.5-inch	54.5-inch o.c.	1.5-inch outside	-45.0
W-83.	Code compliant sheathing over nominal No. 2 wood trusses; 2 ft span	(Optional) Any approved thermal barrier	Prelim. Attach	Sure-Weld or Sure-Weld FleeceBACK FR	Carlisle HP-X Fastener and Piranha Plate or #15 Roofgrip with 2-3/8" Eyehook Seam Plate (AccuSeam) installed through wood sheathing to engage structural members	6-inch o.c.	5.5-inch	48-inch o.c. (over structural members)	1.5-inch outside	-75.0

TABLE 1I: 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)	Thermal Barrier		Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Base Sheet	Fastener (Note 2, Note 11)	Attach	Membrane	Adhesive	
W-84.	Min. 19/32-inch plywood; 2-ft spans	(Optional) Any approved thermal barrier	Loose-laid	Atlas Summit Synthetic Underlayment	Carlisle #12 InsulFast and Sure-Seal Seam Fastening Plate	12-inch o.c. at the 4-inch laps and 12-inch o.c. at three, equally spaced rows in the center of the sheet.	Sure-Weld SAT	Self-adhered	-120.0

TABLE 1J: WOOD DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE G: OPTIONAL INSULATION, LOOSE-LAID ROOF COVER, PRESSURE EQUALIZING VENT

System No.	Deck (Note 1)	Air Barrier	Insulation	Underlayment	Roof Cover		MDP (psf)
					Type	Attach	
W-85.	Min. 15/32-inch, Type B-C plywood	All joints and penetrations sealed with VapAir Seal 725TR in accordance with Carlisle requirements.	(Optional) Any fire classified roof insulation and/or coverboard combination, any thickness, loose-laid with staggered joints	12-inch wide strips of polypropylene, air permeable filter fabric, loose laid in a crossing pattern, connecting the VacuSeal Vents	Sure-Weld or Sure-Weld HS	VacuSeal Vent installed in accordance with Carlisle instructions, spaced maximum 50 ft o.c.	-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)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:									
SC-1	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-52.5
SC-2	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-75.0
SC-3	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield, SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA or Sure-Weld BA	-82.5
SC-4	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch InsulBase, SecurShield and/or SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-82.5
SC-5	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-82.5
SC-6	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	Sure-Weld	CAV-GRIP III AP or Sure-Weld BA	-105.0
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):									
SC-7	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch InsulBase, SecurShield and/or SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-82.5
SC-8	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch InsulBase, SecurShield and/or SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-82.5

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

System No.	Deck (Note 1)	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)		MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
SC-9	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-82.5
SC-10	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-105.0
SURE-WELD FLEECEBACK® RL™ APPLICATIONS:									
SC-11	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch InsulBase RL	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange)	None	N/A	Sure-Weld FleeceBACK® RL™		-82.5
SC-12	Min. 22 ga., type B, Grade 33 steel	(Optional) VapAir Seal MD, self-adhering	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD RL or min. 1.5-inch InsulBase RL	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK® RL™		-82.5
SC-13	Min. 22 ga., type B, Grade 33 steel	None	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c. @ every deck flange)	Min. 0.5-inch SecurShield HD RL	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK® RL™		-105.0

**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(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:								
SC-14	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII	Note 2	1 per 2.7 ft²	Min. 1.5-inch Insulam (OSB)	Flexible FAST (RIBBON, 6-inch o.c.)	Sure-Weld / Aqua Base 120, CAV-GRIP III AP or Sure-Weld BA	-37.5*
SC-15	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Note 2	1 per 3.2 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Flexible FAST (RIBBON)	Sure-Weld / Sure-Weld BA	-37.5*
SC-16	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Note 2	1 per 2.7 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-17	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Note 2	1 per 3.2 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-18	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch InsulBase, SecurShield	Note 2	1 per 4.0 ft²	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-19	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII	Note 2	1 per 2.0 ft²	Min. 2.0-inch Insulfoam HD Composite	Flexible FAST (RIBBON, 6-inch o.c.)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-20	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld (min. 60-mil) / CAV-GRIP III AP or Sure-Weld BA	-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 (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-21	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld (min. 60-mil) / CAV-GRIP III AP or Sure-Weld BA	-52.5
SC-22	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Seal 90-8-30A BA	-52.5
SC-23	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld (min. 60-mil) / CAV-GRIP III AP or Sure-Weld BA	-60.0
SC-24	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Flexible FAST (RIBBON)	Sure-Weld (min. 60-mil) / CAV-GRIP III AP or Sure-Weld BA	-60.0
SC-25	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-60.0
SC-26	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld (min. 60-mil) / CAV-GRIP III AP or Sure-Weld BA	-67.5
SC-27	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Flexible FAST (RIBBON, 6-inch o.c.)	Sure-Weld (min. 60-mil) / CAV-GRIP III AP or Sure-Weld BA	-67.5
SC-28	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld (min. 60-mil) / CAV-GRIP III AP or Sure-Weld BA	-75.0

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(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-29	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld / Sure-Seal 90-8-30A BA	-75.0
SC-30	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-82.5
SC-31	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld (min. 60-mil) / CAV-GRIP III AP or Sure-Weld BA	-82.5
SC-32	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld (min. 60-mil) / CAV-GRIP III AP or Sure-Weld BA	-82.5
SC-33	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Flexible FAST (FULL)	Sure-Weld (min. 60-mil) / CAV-GRIP III AP or Sure-Weld BA	-82.5
SC-34	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-90.0
SC-35	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DensDeck Prime, SECUROCK Gypsum-Fiber Roof Board, SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld (min. 60-mil) / CAV-GRIP III AP or Sure-Weld BA	-112.5
SC-36	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Flexible FAST (FULL)	Sure-Weld (min. 60-mil) / CAV-GRIP III AP or Sure-Weld BA	-112.5

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 (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-37	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld (min. 60-mil) / CAV-GRIP III AP or Sure-Weld BA	-135.0
SC-38	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or DensDeck Prime	Note 2	1 per 2.0 ft ²	Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3 followed by Min. 0.25-inch DensDeck Prime	OB500	Sure-Weld / Aqua Base 120, CAV-GRIP III AP or Sure-Weld BA	-37.5*
SC-39	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Note 2	1 per 4.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-37.5*
SC-40	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	Note 2	1 per 2.0 ft ²	Additional layers of base insulation	OB500	Sure-Weld / Aqua Base 120, CAV-GRIP III AP or Sure-Weld BA	-45.0*
SC-41	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1.5-inch SecurShield HD Composite	OB500	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-42	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck, DensDeck Prime	OB500	Sure-Weld / Aqua Base 120 or Sure-Weld BA	-45.0*
SC-43	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime	OB500	Sure-Weld / CAV-GRIP III AP	-45.0*
SC-44	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or DensDeck Prime	Note 2	1 per 2.0 ft ²	Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	OB500	Sure-Weld / Aqua Base 120, CAV-GRIP III AP or Sure-Weld BA	-45.0*
SC-45	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	Note 2	1 per 4.0 ft ²	Additional layers of base insulation	OB500	Sure-Weld / Aqua Base 120, CAV-GRIP III AP or Sure-Weld BA	-45.0*
SC-46	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	Note 2	1 per 4.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1.5-inch SecurShield HD Composite	OB500	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-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 (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-47	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	Note 2	1 per 4.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck, DensDeck Prime	OB500	Sure-Weld / Aqua Base 120 or Sure-Weld BA	-45.0*
SC-48	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	Note 2	1 per 4.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime	OB500	Sure-Weld / CAV-GRIP III AP	-45.0*
SC-49	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-50	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Note 2	1 per 2.7 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-51	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Note 2	1 per 1.6 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-60.0
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):								
SC-52	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII	Note 2	1 per 2.7 ft ²	Min. 1.5-inch Insulam (OSB)	Flexible FAST (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-37.5*
SC-53	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers Min. 1.5-inch InsulBase, HP-N or HP-W, SecurShield, ENRGY 3, or AC Foam II	Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-37.5*
SC-54	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck or DensDeck Prime	Note 2	1 per 2.0 ft ²	Min. 1.5-inch Kingspan GreenGuard Extruded Polystyrene followed by min. 0.25-inch DensDeck Prime	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-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 (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-55	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers Min. 1.5-inch InsulBase, HP-N or HP-W, SecurShield, ENRGY 3, or AC Foam II	Note 2	1 per 2.0 ft ²	Additional layers of base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
SC-56	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Note 2	1 per 3.2 ft ²	Min. 1.5-inch additional layers of base insulation or min. 2-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
SC-57	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Note 2	1 per 4.0 ft ²	Min. 1-inch additional layers of base insulation or min. 2-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
SC-58	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
SC-59	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Note 2	1 per 4.0 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
SC-60	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII	Note 2	1 per 2.7 ft ²	Min. 1.5-inch Insulam (OSB)	Flexible FAST (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / AquaBase 120 or Flexible FAST or Flexible FAST DT (FULL)	-37.5*
SC-61	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 0.5-inch DensDeck followed by min. 2.0-inch Insulfoam VIII	Note 2	1 per 2.0 ft ²	Min. 2.0-inch Insulfoam HD Composite	Flexible FAST (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-45.0*
SC-62	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL).	-45.0*
SC-63	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.0-inch base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-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 (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-64	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Note 2	1 per 3.2 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-45.0*
SC-65	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Note 2	1 per 2.7 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0*
SC-66	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch InsulBase, SecurShield	Note 2	1 per 4.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1.0-inch base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-45.0*
SC-67	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2.0-inch InsulBase, SecurShield	Note 2	1 per 4.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-45.0*
SC-68	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0
SC-69	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-52.5
SC-70	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-60.0
SC-71	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-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 (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-72	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-60.0
SC-73	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-67.5
SC-74	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Flexible FAST (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-67.5
SC-75	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-67.5
SC-76	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-75.0
SC-77	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Note 2	1 per 1.6 ft ²	Min. 1.0-inch base insulation or minimum 2-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-82.5
SC-78	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-82.5
SC-79	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-82.5
SC-80	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-82.5

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 (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-81	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Flexible FAST (FULL)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-82.5
SC-82	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-82.5
SC-83	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-90.0
SC-84	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DensDeck Prime, SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-112.5
SC-85	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Flexible FAST (FULL)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-112.5
SC-86	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-112.5
SC-87	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-135.0
SURE-WELD FLEECEBACK® RL™ APPLICATIONS:								
SC-88	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD RL	Flexible FAST or Flexible FAST DT (FULL or SPLATTER)	Sure-Weld FleeceBACK® RL™	-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 (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)		
SC-89	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD RL	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK® RL™	-52.5
SC-90	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD RL	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK® RL™	-82.5
SC-91	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD RL	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK® RL™	-112.5

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 PLY, BONDED ROOF COVER

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Top Ply	
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):									
SC-92	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft²	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90 Base, SureMB 90 Poly Base or SureMB 120 Poly Base / US Ply Duraflex 901 Premium SBS Modified Adhesive	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
SC-93	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft²	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
SC-94	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft²	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	SureMB 90TG or 120TG / torch-applied	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-75.0

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 PLY, BONDED ROOF COVER

System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Fastener (Note 2 , Note 11)	Attach (Note 17)	Type	Attach (Notes 6,7,8)	Base Ply	Top Ply	
SURE-WELD AFX MEMBRANE APPLICATIONS:									
SC-95	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft²	Insulation : (Optional) Additional layer(s) base insulation Coverboard : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-45.0*
SC-96	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Note 2	1 per 1.6 ft²	Insulation : (Optional) Additional layer(s) base insulation Coverboard : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Hot asphalt	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-60.0
SC-97	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft²	Insulation : (Optional) Additional layer(s) base insulation Coverboard : Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-45.0*
SC-98	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Note 2	1 per 3.2 ft²	Insulation : (Optional) Additional layer(s) base insulation Coverboard : Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-45.0*
SC-99	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft²	Insulation : (Optional) Additional layer(s) base insulation Coverboard : Min. 0.25-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-45.0*
SC-100	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Note 2	1 per 2.0 ft²	Insulation : (Optional) Additional layer(s) base insulation Coverboard : Min. 0.25-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-45.0*
SC-101	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	Note 2	1 per 1.6 ft²	Insulation : (Optional) Additional layer(s) base insulation Coverboard : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OB500, 6-inch o.c.	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-60.0

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

System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor Barrier	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2 , Note 11)	Attach (Note 17)			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:												
SC-102	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	CAV-GRIP Primer	VapAir Seal 725TR, self-adhering	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-103	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	InsulFast with Insulation Fastening Plate	1 per 4.0 ft²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layers base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-45.0*
SC-104	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	CAV-GRIP Primer	VapAir Seal 725TR, self-adhering	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST (RIBBON)	(Optional) Additional layers base insulation	Flexible FAST (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-52.5
SC-105	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	InsulFast with Insulation Fastening Plate	1 per 1.6 ft²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-67.5
SC-106	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	InsulFast with Insulation Fastening Plate	1 per 1.6 ft²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-67.5
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):												
SC-107	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft²	CAV-GRIP Primer	VapAir Seal 725TR, self-adhering	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*

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

System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor Barrier	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2 , Note 11)	Attach (Note 17)			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SC-108	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	VapAir Seal 725TR, self-adhering	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-45.0*
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):												
SC-109	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	VapAir Seal 725TR, self-adhering	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-45.0*
SC-110	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	InsulFast with Insulation Fastening Plate	1 per 4.0 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layers base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0*
SC-111	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	CAV-GRIP Primer	VapAir Seal 725TR, self-adhering	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-52.5
SC-112	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	InsulFast with Insulation Fastening Plate	1 per 1.6 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-67.5

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

System No.	Deck (Note 1)	Thermal Barrier			Primer	Vapor Barrier	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fasten (Note 2, Note 11)	Attach (Note 17)			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SC-113	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	InsulFast with Insulation Fastening Plate	1 per 1.6 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-67.5
SURE-WELD FLEECEBACK® RL™ APPLICATIONS:												
SC-114	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	InsulFast with Insulation Fastening Plate	1 per 1.6 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch InsulBase RL	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	None	N/A	Sure-Weld FleeceBACK® RL™	-67.5
SC-115	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime	InsulFast with Insulation Fastening Plate	1 per 1.6 ft ²	None	SureMB 90TG or SureMB 120TG, torch-applied	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.5-inch SecurShield HD RL or min. 1.5-inch InsulBase RL	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK® RL™	-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 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:							
SC-116	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.25-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 3.2 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-30.0*
SC-117	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 5.3 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-30.0*
SC-118	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Steel: InsulFast with ACCUTRAC Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with ACCUTRAC Insulation Fastening Plate	1 per 4.0 ft²	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-30.0*
SC-119	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 7/16-inch APA or TECO rated OSB	Trufast SIP LD Fastener	1 per 3.2 ft²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP or Sure-Weld BA	-37.5*
SC-120	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch ACFoam II or ENRGY 3	Note 2	1 per 1.6 ft²	Sure-Weld / Aqua Base 120 or Sure-Weld BA	-37.5*
SC-121	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft²	Sure-Weld / CAV-GRIP III AP or LVOC BA	-37.5*
SC-122	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Note 2	1 per 2.7 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-37.5*
SC-123	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-37.5*
SC-124	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	InsulFAST Fastener with SecurFAST Insulation Fastening Plate	1 per 2.7 ft²	Sure-Weld / Sure-Weld BA	-37.5*
SC-125	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 5.3 ft²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-37.5*
SC-126	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.625-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 5.3 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-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 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2 , Note 11)	Attach (Note 17)		
SC-127	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Note 2	1 per 2.7 ft ²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-128	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DEXcell FA Glass Mat Roof Board	Note 2	1 per 4.0 ft ²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-129	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.625-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	OMG #12 Standard, OMG #14 Heavy Duty, OMG XHD, OMG #12 Roofgrip, OMG #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate	1 per 5.3 ft ²	Sure-Weld / Sure-Weld BA	-45.0*
SC-130	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	InsulFAST Fastener with SecurFAST Insulation Fastening Plate	1 per 4.0 ft ²	Sure-Weld / Sure-Weld BA	-45.0*
SC-131	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-132	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	OMG #12 Standard, OMG #14 Heavy Duty, OMG XHD, OMG #12 Roofgrip, OMG #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate	1 per 3.2 ft ²	Sure-Weld / Sure-Weld BA	-45.0*
SC-133	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	HP Fastener with Insulation Fastening Plate	1 per 3.2 ft ²	Sure-Weld / Sure-Weld BA	-45.0*
SC-134	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-135	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 4.0 ft ²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-136	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-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 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-137	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.50-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft ²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-138	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 5.3 ft ²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-139	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft ²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-140	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 7/16-inch APA or TECO rated OSB	Trufast SIP LD Fastener	1 per 2.7 ft ²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP or Sure-Weld BA	-45.0*
SC-141	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 7/16-inch APA or TECO rated OSB	Note 2	1 per 3.6 ft ²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP or Sure-Weld BA	-45.0*
SC-142	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch InsulBase, SecurShield	Note 2	1 per 2.0 ft ²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-143	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, ENRGY 3	Note 2	1 per 2.0 ft ²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP or Sure-Weld BA	-45.0*
SC-144	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-145	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch SecurShield HD Composite	Note 2	1 per 2.0 ft ²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-146	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	Note 2	1 per 4.0 ft ²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP or Sure-Weld BA	-45.0*
SC-147	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch SecurShield HD Composite	Note 2	1 per 4.0 ft ²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-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 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2 , Note 11)	Attach (Note 17)		
SC-148	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 2.0 ft ²	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-45.0
SC-149	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Steel: InsulFast with ACCUTRAC Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with ACCUTRAC Fastening Plate	1 per 2.9 ft ²	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-45.0*
SC-150	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Note 2	1 per 2.0 ft ²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-151	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch InsulBase, HP-N or HP-W, SecurShield, ENRGY 3 or ACFoam II	Min. 0.5-inch SecurShield HD Plus or EcoStorm VSH	Note 2	1 per 4.0 ft ²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SC-152	Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DEXcell FA Glass Mat Roof Board	Steel: Carlisle HP-X Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0
SC-153	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.25-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-52.5
SC-154	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.4375-inch DEXcell Cement Roof Board	Note 2	1 per 1.8 ft ²	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-52.5
SC-155	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 7/16-inch APA or TECO rated OSB	Note 2	1 per 1.9 ft ²	Sure-Weld / Aqua Base 120	-52.5
SC-156	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch InsulBase or SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-60.0
SC-157	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	Sure-Weld / LVOC BA	-60.0
SC-158	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch InsulBase, HP-N or HP-W, SecurShield, ENRGY 3 or ACFoam II	Min. 0.5-inch SecurShield HD Plus or EcoStorm VSH	Note 2	1 per 1.8 ft ²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-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 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2 , Note 11)	Attach (Note 17)		
SC-159	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-60.0
SC-160	Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DEXcell FA Glass Mat Roof Board	Steel: Carlisle HP-X Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-60.0
SC-161	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 1.0 ft ²	Sure-Weld / Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-60.0
SC-162	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-67.5
SC-163	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	OMG #12 Standard, OMG #14 Heavy Duty, OMG XHD, OMG #12 Roofgrip, OMG #14 Roofgrip or OMG #15 Roofgrip with OMG 3 in. Galvalume Steel Plate	1 per 1.3 ft ²	Sure-Weld / Sure-Weld BA	-67.5
SC-164	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 7/16-inch APA or TECO rated OSB	Note 2	1 per 1.9 ft ²	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-75.0
SC-165	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 2.0-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	Note 2	1 per 1.6 ft ²	Sure-Weld / Sure-Weld BA	-75.0
SC-166	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 2.0-inch InsulBase, SecurShield	Note 2	1 per 1.6 ft ²	Sure-Weld / CAV-GRIP III AP	-75.0
SC-167	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch SecurShield HD Composite	Note 2	1 per 1.6 ft ²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-75.0
SC-168	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-75.0
SC-169	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	Sure-Weld / CAV-GRIP III AP or LVOC BA	-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 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2 , Note 11)	Attach (Note 17)		
SC-170	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft²	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-82.5
SC-171	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 7/16-inch APA or TECO rated OSB	Note 2	1 per 1.0 ft²	Sure-Weld / CAV-GRIP III AP	-82.5
SC-172	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	HP Fastener with Insulation Fastening Plate	1 per 1.0 ft²	Sure-Weld / Sure-Weld BA	-97.5
SC-173	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 7/16-inch APA or TECO rated OSB	Note 2	1 per 1.0 ft²	Sure-Weld / Sure-Weld BA	-97.5
SC-174	Min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft²	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-112.5
SC-175	Min. 18 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft²	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-112.5
SC-176	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch InsulBase, HP-N or HP-W, SecurShield, ENRGY 3 or ACFoam II	Min. 0.5-inch SecurShield HD Plus or EcoStorm VSH	Note 2	1 per 1.3 ft²	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA or LVOC BA	-112.5
SC-177	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch InsulBase, SecurShield, ENRGY 3, Polyiso HP-N, ACFoam II or Polyiso HP-W	Min. 2-inch SecurShield HD Composite	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-112.5
SC-178	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2.0-inch SecurShield HD Composite	Note 2	1 per 1.0 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-112.5
SC-179	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 2-inch SecurShield	Note 2	1 per 1.0 ft²	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-120.0
SC-180	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft²	Sure-Weld / CAV-GRIP III AP or LVOC BA	-127.5
SC-181	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-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 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-182	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch InsulBase, SecurShield, ENRGY 3, Polyiso HP-N, ACFoam II or Polyiso HP-W	Min. 2-inch InsulBase or SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-127.5
SC-183	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch InsulBase, SecurShield, ENRGY 3, Polyiso HP-N, ACFoam II or Polyiso HP-W	Min. 2-inch SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	Sure-Weld / LVOC BA	-127.5
SC-184	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2.0-inch SecurShield	Note 2	1 per 1.0 ft²	Sure-Weld / CAV-GRIP III AP or LVOC BA	-127.5
SC-185	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch InsulBase, SecurShield, ENRGY 3, Polyiso HP-N, ACFoam II or Polyiso HP-W	Min. 2.5-inch SecurShield HD Composite	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-150.0
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):							
SC-186	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch InsulBase, SecurShield	Note 2	1 per 3.2 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
SC-187	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch InsulBase, SecurShield	Note 2	1 per 4.0 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
SC-188	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch SecurShield HD Composite	Note 2	1 per 4.0 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
SC-189	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch DensDeck Prime	Note 2	1 per 2.0 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):							
SC-190	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.25-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 3.2 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-30.0*
SC-191	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 5.3 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-30.0*
SC-192	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Steel: InsulFast with ACCUTRAC Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with ACCUTRAC Fastening Plate	1 per 4.0 ft²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-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 (Note 1)	Base Insulation Layer (Note 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2 , Note 11)	Attach (Note 17)		
SC-193	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 5.3 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-37.5*
SC-194	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Note 2	1 per 2.7 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-37.5*
SC-195	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch InsulBase, SecurShield	Note 2	1 per 4.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0*
SC-196	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-45.0*
SC-197	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch InsulBase	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 2.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-45.0
SC-198	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch InsulBase, SecurShield or min. 1.5-inch SecurShield HD Composite	Note 2	1 per 2.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0*
SC-199	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch InsulBase, SecurShield or SecurShield HD Composite	Note 2	1 per 4.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0*
SC-200	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0*
SC-201	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Note 2	1 per 2.7 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-45.0*
SC-202	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DEXcell FA Glass Mat Roof Board	Note 2	1 per 4.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-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 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-203	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-45.0*
SC-204	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 4.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-45.0*
SC-205	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 5.3 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-45.0*
SC-206	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch InsulBase, HP-N or HP-W, SecurShield, ENRGY 3 or ACFoam II	Min. 0.5-inch SecurShield HD Plus or EcoStorm VSH	Note 2	1 per 4.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-45.0*
SC-207	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Steel: InsulFast with ACCUTRAC Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with ACCUTRAC Fastening Plate	1 per 2.9 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0*
SC-208	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Note 2	1 per 2.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0*
SC-209	Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DEXcell FA Glass Mat Roof Board	Steel: Carlisle HP-X Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-45.0
SC-210	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.25-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-52.5
SC-211	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.4375-inch DEXcell Cement Roof Board	Note 2	1 per 1.8 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-52.5
SC-212	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch InsulBase, SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-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 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-213	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-60.0
SC-214	Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DEXcell FA Glass Mat Roof Board	Steel: Carlisle HP-X Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-60.0
SC-215	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 1.0 ft ²	Sure-Weld FleeceBACK / FAST DT or Flexible FAST DT (FULL)	-60.0
SC-216	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch InsulBase, HP-N or HP-W, SecurShield, ENRGY 3 or ACFoam II	Min. 0.5-inch SecurShield HD Plus or EcoStorm VSH	Note 2	1 per 1.8 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-60.0
SC-217	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-67.5
SC-218	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 2.0-inch InsulBase, SecurShield	Note 2	1 per 1.6 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-75.0
SC-219	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch SecurShield HD Composite	Note 2	1 per 1.6 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-75.0
SC-220	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-75.0
SC-221	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-75.0
SC-222	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 7/16-inch APA or TECO rated OSB	Note 2	1 per 1.9 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-75.0
SC-223	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-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 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2 , Note 11)	Attach (Note 17)		
SC-224	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 15/32-inch OSB	Note 2	1 per 1.9 ft ² (Carlisle A-27F)	Sure-Weld FleeceBACK / Aqua Base 120, HydroBond WB	-82.5
SC-225	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	0.5-inch EcoStorm VSH	Steel: InsulFast Fastener and Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-82.5
SC-226	Min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-112.5
SC-227	Min. 18 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-112.5
SC-228	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch InsulBase, HP-N or HP-W, SecurShield, ENRGY 3 or ACFoam II	Min. 0.5-inch SecurShield HD Plus or EcoStorm VSH	Note 2	1 per 1.3 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-112.5
SC-229	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch InsulBase, SecurShield, ENRGY 3, Polyiso HP-N, ACFoam II or Polyiso HP-W	Min. 2-inch SecurShield HD Composite	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-112.5
SC-230	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-127.5
SC-231	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch InsulBase, SecurShield, ENRGY 3, Polyiso HP-N, ACFoam II or Polyiso HP-W	Min. 2-inch InsulBase or SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-127.5
SC-232	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 2-inch SecurShield	Note 2	1 per 1.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-135.0
SC-233	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 7/16-inch APA or TECO rated OSB	Note 2	1 per 1.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-135.0
SC-234	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-135.0

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 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-235	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	0.5-inch EcoStorm VSH	Steel: InsulFast Fastener and Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	Sure-Weld FleeceBACK (min. 60-mil) / Flexible FAST or Flexible FAST DT (FULL)	-135.0
SC-236	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch InsulBase, SecurShield, ENRGY 3, Polyiso HP-N, ACFoam II or Polyiso HP-W	Min. 2.5-inch SecurShield HD Composite	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-150.0
SC-237	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch SecurShield HD Composite	Note 2	1 per 1.0 ft ²	Sure-Weld FleeceBACK / Flexible FAST DT (FULL)	-157.5
SURE-WELD SAT MEMBRANE APPLICATIONS:							
SC-238	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch Insulfoam SP	Note 2	1 per 2.7 ft ²	Sure-Weld SAT, self-adhered	-30.0*
SC-239	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.25-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 3.2 ft ²	Sure-Weld SAT, self-adhered	-30.0*
SC-240	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 5.3 ft ²	Sure-Weld SAT, self-adhered	-30.0*
SC-241	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Steel: InsulFast with ACCUTRAC Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with ACCUTRAC Insulation Fastening Plate	1 per 4.0 ft ²	Sure-Weld SAT, self-adhered	-30.0*
SC-242	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft ²	Sure-Weld SAT, self-adhered	-37.5*
SC-243	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Note 2	1 per 2.7 ft ²	Sure-Weld SAT, self-adhered	-37.5*
SC-244	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 5.3 ft ²	Sure-Weld SAT, self-adhered	-37.5*
SC-245	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.625-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 5.3 ft ²	Sure-Weld SAT, self-adhered	-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 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2 , Note 11)	Attach (Note 17)		
SC-246	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2-inch Insulfoam SP	Note 2	1 per 2.0 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-247	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min 7/16-inch APA or TECO rated OSB	Note 2	1 per 2.0 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-248	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-249	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Note 2	1 per 2.7 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-250	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DEXcell FA Glass Mat Roof Board	Note 2	1 per 4.0 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-251	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.0 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-252	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-253	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 4.0 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-254	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.50-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-255	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 5.3 ft ²	Sure-Weld SAT, 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 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2 , Note 11)	Attach (Note 17)		
SC-256	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-257	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1-inch InsulBase, SecurShield	Note 2	1 per 2.0 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-258	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 3.2 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-259	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch InsulBase, SecurShield	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 2.0 ft ²	Sure-Weld SAT, self-adhered	-45.0
SC-260	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch SecurShield HD Composite	Note 2	1 per 2.0 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-261	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch InsulBase, SecurShield	Note 2	1 per 4.0 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-262	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch SecurShield HD Composite	Note 2	1 per 4.0 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-263	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Steel: InsulFast with ACCUTRAC Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with ACCUTRAC Fastening Plate	1 per 2.9 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-264	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Note 2	1 per 2.0 ft ²	Sure-Weld SAT, self-adhered	-45.0*
SC-265	Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DEXcell FA Glass Mat Roof Board	Steel: Carlisle HP-X Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	Sure-Weld SAT, 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 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2 , Note 11)	Attach (Note 17)		
SC-266	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.25-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	Sure-Weld SAT, self-adhered	-52.5
SC-267	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2.0-inch InsulBase, SecurShield	Note 2	1 per 1.6 ft ²	Sure-Weld SAT, self-adhered	-60.0
SC-268	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch InsulBase or SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft ²	Sure-Weld SAT, self-adhered	-60.0
SC-269	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch InsulBase, HP-N or HP-W, SecurShield, ENRGY 3 or ACFoam II	Min. 0.5-inch SecurShield HD Plus or EcoStorm VSH	Note 2	1 per 1.8 ft ²	Sure-Weld SAT, self-adhered	-60.0
SC-270	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch DensDeck Prime	Note 2	1 per 1.6 ft ²	Sure-Weld SAT, self-adhered	-60.0
SC-271	Min. 22 ga. type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch DEXcell FA Glass Mat Roof Board	Steel: Carlisle HP-X Fastener with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	Sure-Weld SAT, self-adhered	-60.0
SC-272	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with SecurFast Insulation Fastening Plate Concrete: HD 14-10, CD-10 or HP Concrete Spike (1/4) with SecurFast Insulation Fastening Plate	1 per 1.0 ft ²	Sure-Weld SAT, self-adhered	-60.0
SC-273	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft ²	Sure-Weld SAT, self-adhered	-67.5
SC-274	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 2.0-inch InsulBase, SecurShield	Note 2	1 per 1.6 ft ²	Sure-Weld SAT, self-adhered	-75.0
SC-275	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch SecurShield HD Composite	Note 2	1 per 1.6 ft ²	Sure-Weld SAT, self-adhered	-75.0
SC-276	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min. 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft ²	Sure-Weld SAT, self-adhered	-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 3 , Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2 , Note 11)	Attach (Note 17)		
SC-277	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft ²	Sure-Weld SAT, self-adhered	-82.5
SC-278	Min. 20 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft ²	Sure-Weld SAT, self-adhered	-112.5
SC-279	Min. 18 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.3 ft ²	Sure-Weld SAT, self-adhered	-112.5
SC-280	Min. 22 ga., type B, Grade 33 steel or structural concrete	Min. 1.5-inch InsulBase, HP-N or HP-W, SecurShield, ENRGY 3 or ACFoam II	Min. 0.5-inch SecurShield HD Plus or EcoStorm VSH	Note 2	1 per 1.3 ft ²	Sure-Weld SAT, self-adhered	-112.5
SC-281	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch InsulBase, SecurShield, ENRGY 3, Polyiso HP-N, ACFoam II or Polyiso HP-W	Min. 2-inch SecurShield HD Composite	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.3 ft ²	Sure-Weld SAT, self-adhered	-112.5
SC-282	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 2-inch SecurShield	Note 2	1 per 1.0 ft ²	Sure-Weld SAT, self-adhered	-120.0
SC-283	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.0 ft ²	Sure-Weld SAT, self-adhered	-127.5
SC-284	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Min 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	Sure-Weld SAT, self-adhered	-127.5
SC-285	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch InsulBase, SecurShield, ENRGY 3, Polyiso HP-N, ACFoam II or Polyiso HP-W	Min. 2-inch InsulBase or SecurShield	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	Sure-Weld SAT, self-adhered	-127.5
SC-286	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 2.0-inch SecurShield	Note 2	1 per 1.0 ft ²	Sure-Weld SAT, self-adhered	-127.5
SC-287	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	(Optional) Min. 1-inch InsulBase, SecurShield, ENRGY 3, Polyiso HP-N, ACFoam II or Polyiso HP-W	Min. 2.5-inch SecurShield HD Composite	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft ²	Sure-Weld SAT, self-adhered	-150.0
SURE-WELD FLEECEBACK® RL™ APPLICATIONS:							

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 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)		
SC-288	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch InsulBase RL	Steel: InsulFast with Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 4.0 ft²	Sure-Weld FleeceBACK® RL™	-45.0*
SC-289	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min., 1.5-inch InsulBase, SecurShield, loose-laid	Min. 0.5-inch SecurShield HD RL	Steel: InsulFast with Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 2.0 ft²	Sure-Weld FleeceBACK® RL™	-45.0*
SC-290	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2.0-inch InsulBase RL	Steel: InsulFast with Insulation Fastening Plate or SecurFast Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft²	Sure-Weld FleeceBACK® RL™	-75.0

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

System No.	Deck (Note 1)	Base Insulation Layer (Note 3, Note 13)	Top Insulation Layer			Roof Cover (Note 15)		MDP (psf)
			Type	Fastener (Note 2, Note 11)	Attach (Note 17)	Base Ply	Top Ply	
SURE-WELD AFX MEMBRANE APPLICATIONS:								
SC-291	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.8 ft²	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-67.5
SC-292	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.6 ft²	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-75.0
SC-293	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft²	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-75.0
SC-294	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Steel: InsulFast with Insulation Fastening Plate Concrete: Note 2	1 per 1.0 ft²	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-120.0

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

System No.	Deck (Note 1)	Insulation Layer (Note 3 , Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
RHINO BOND SYSTEMS:						
SC-295	Min. 22 ga., type B, Grade 33 steel	Min. 1-inch thick, one or more layers, any combination. Note A .	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 5.3 ft² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note B	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-45.0
SC-296	Min. 22 ga., type B, Grade 33 steel, 7 ft span, HILTI X-HSN 24, 6" o.c. Side laps HILTI S-SLC 01 M HWH, 24" o.c.	Min. 1-inch thick, one or more layers, any combination. Note C .	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft² (2 x 2 ft grid pattern)	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-297	Min. 22 ga., type B, Grade 33 steel, 7 ft span, 5/8" puddle welds, 6" o.c. Side laps ITW HWH #12 Tek 1, 24" o.c.	Min. 1-inch thick, one or more layers, any combination. Note C .	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft² (2 x 2 ft grid pattern)	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-298	Min. 22 ga., type B, Grade 33 steel	Min. 1-inch thick, one or more layers, any combination. Note A .	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note B	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-299	Min. 22 ga., type B, Grade 40 steel; 6 ft spans; 5/8" puddle welds 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft² (2 x 2 ft grid pattern)	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-300	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination. Note C .	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 3.2 ft² (10 parts per 4 x 8 ft board)	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-301	Min. 22 ga., type B, Grade 80 steel	Min. 1-inch thick, one or more layers, any combination. Note A .	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note B	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-60.0
SC-302	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination. Note C .	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 2.7 ft² (12 parts per 4 x 8 ft board)	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
SC-303	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination. Note C .	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 2.0 ft² (16 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-97.5

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

System No.	Deck (Note 1)	Insulation Layer (Note 3 , Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
SC-304	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	18-inch o.c. in rows 60-inch o.c.	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-30.0
SC-305	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	12-inch o.c. in rows 120-inch o.c.	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-30.0
SC-306	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	6-inch o.c. in rows 120-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-37.5
SC-307	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	12-inch o.c. in rows 60-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-37.5
SC-308	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	12-inch o.c. in rows 60-inch o.c.	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-45.0
SC-309	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	6-inch o.c. in rows 120-inch o.c.	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
SC-310	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Carlisle HP-X Fastener or Dekfast DF-#15-PH3 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	6-inch o.c. in rows 60-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
ISOWELD INDUCTION WELDING SYSTEM:						
SC-311	Min. 22 ga., type B, Grade 33 steel	Min. 1-inch thick, one or more layers, any combination. Note A.	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 5.3 ft ² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note B	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
SC-312	Min. 22 ga., type B, Grade 33 steel, 7 ft span, HILTI X-HSN 24, 6" o.c. Side laps HILTI S-SLC 01 M HWH, 24" o.c.	Min. 1-inch thick, one or more layers, any combination. Note C.	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (2 x 2 ft grid pattern)	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-313	Min. 22 ga., type B, Grade 33 steel, 7 ft span, 5/8" puddle welds, 6" o.c. Side laps ITW HWH #12 Tek 1, 24" o.c.	Min. 1-inch thick, one or more layers, any combination. Note C.	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (2 x 2 ft grid pattern)	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5

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

System No.	Deck (Note 1)	Insulation Layer (Note 3 , Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
SC-314	Min. 22 ga., type B, Grade 33 steel	Min. 1-inch thick, one or more layers, any combination. Note A.	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note B.	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-315	Min. 22 ga., type B, Grade 40 steel; 6 ft spans; 5/8" puddle welds 6" o.c.	Min. 1.5-inch thick, one or more layers, any combination	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² (2 x 2 ft grid pattern)	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-316	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 6 ft ² 2x3-ft grid, staggered	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-317	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Carlisle InsulFAST Fasteners or SFS Dekfast DF-#12-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 6 ft ² 2x3-ft grid, staggered	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
SC-318	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² 2x2-ft grid, staggered	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-60.0
SC-319	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Carlisle InsulFAST Fasteners or SFS Dekfast DF-#12-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² 2x2-ft grid, staggered	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-60.0
SC-320	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 3.0 ft ² 1.5 x 2-ft grid, staggered	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-82.5
SC-321	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch	Carlisle InsulFAST Fastener or SFS Dekfast DF-#12-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 3.0 ft ² 1.5 x 2-ft grid, staggered	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-82.5
SC-322	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, 4x8 ft dimension, one or more layers, any combination	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 2.25 ft ² 1.5 x 1.5-ft grid (first row of fasteners spaced 0.5 ft from long edges and 1 ft from the short edge)	Sure-Weld or Sure-Weld EXTRA bonded to SFS <i>isoweld</i> ® TPO Plate with SFS <i>isoweld</i> ® 3000 stand-up tool.	-97.5
SC-323	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch thick, one or more layers, any combination. Note C.	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 2.0 ft ² (16 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-97.5
SC-324	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	12-inch o.c. in rows 60-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-37.5
SC-325	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Carlisle InsulFAST Fastener or SFS Dekfast DF-#12-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	12-inch o.c. in rows 60-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-37.5

TABLE 2G: STEEL DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-2: INDUCTION-WELDED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
SC-326	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	6-inch o.c. in rows 120-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-37.5
SC-327	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	12-inch o.c. in rows 60-inch o.c.	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
SC-328	Min. 22 ga., type B, Grade 40 steel	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	6-inch o.c. in rows 60-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-90.0
SC-329	Min. 22 ga., type B, Grade 80 steel	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Carlisle InsulFAST Fastener or SFS Dekfast DF-#12-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	6-inch o.c. in rows 60-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-90.0
Notes:	A. For these assemblies, the 8 ft insulation board length is placed perpendicular to the steel deck ribs. B. The plate/fastener combination offset 12 inch from adjacent rows. C. For these assemblies, the 8 ft insulation board length is placed perpendicular to the steel deck ribs and each row of insulation is staggered by 1 foot.					

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
BARE-BACK MEMBRANE APPLICATIONS:										
SC-330	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA, Sure-Weld HS	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-30.0
SC-331	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-30.0
SC-332	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-30.0
SC-333	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw	Min. 1-inch, one or more layers, any combination (optional for recover) followed by 3/8-inch Insulfoam R-Tech EPS or Fan-Fold	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-Xtra Fastener and Piranha Xtra Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-30.0

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-334	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	18-inch o.c.	5.5-inch	66.5-inch o.c.	1.5-inch outside	-30.0
SC-335	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld (min. 60-mil) or Sure-Weld EXTRA	Carlisle HP-X Fastener and Piranha Plate	12-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-37.5
SC-336	Min. 22 ga., type B, Grade 40 steel; 6 ft spans; 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	Sure-Weld (min. 60-mil) or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-37.5
SC-337	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld HS	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-37.5
SC-338	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-37.5
SC-339	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-37.5
SC-340	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld HS	Carlisle HP-Xtra Fastener and Piranha Xtra Plate (steel only) or Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-37.5
SC-341	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	12-inch o.c.	5-inch	91-inch o.c.	1.5-inch outside	-37.5
SC-342	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ 1/4"-14x1" long self-tapping hex-head screw	Min. 1-inch, one or more layers, any combination	Prelim. Attach	Sure-Weld (min. nominal 60-mil) or Sure-Weld EXTRA	Carlisle HP-Xtra Fastener and Piranha Xtra Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-37.5
SC-343	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	66.5-inch o.c.	1.5-inch outside	-37.5

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-344	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-45.0
SC-345	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-Xtra Fastener and Piranha Xtra Plate (steel only) or Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
SC-346	Min. 18 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
SC-347	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
SC-348	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	Sure-Weld (min. nominal 60-mil) or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
SC-349	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
SC-350	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-Xtra Fastener and Piranha Xtra Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0
SC-351	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0
SC-352	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-45.0

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-353	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	12-inch o.c.	5-inch	67-inch o.c.	1.5-inch outside	-45.0
SC-354	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	66.5-inch o.c.	1.5-inch outside	-45.0
SC-355	Min. 22 ga., type B, Grade 33 steel, 7 ft span, HILTI X-HSN 24, 6" o.c. Side laps HILTI S-SLC 01 M HWH, 24" o.c.	Min. 1-inch, one or more layers, any combination	Prelim. attach	Sure-Weld (min. nominal 60-mil) or Sure-Weld EXTRA	Carlisle HP-X Fastener and Piranha Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-52.5
SC-356	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-52.5
SC-357	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-52.5
SC-358	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw	Min. 1-inch, one or more layers, any combination	Prelim. attach	Sure-Weld (min. nominal 60-mil) or Sure-Weld EXTRA	Carlisle HP-Xtra Fastener and Piranha Xtra Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-52.5
SC-359	Min. 22 ga., type B, Grade 40 steel; 6 ft spans; 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld (min. 60-mil) or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-52.5
SC-360	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination (optional for recover) followed by 3/8-inch Insulfoam R-Tech EPS or Fan-Fold	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-52.5

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-361	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-52.5
SC-362	Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-52.5
SC-363	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-52.5
SC-364	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Trufast #15 EHD Fastener (steel only) or Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-52.5
SC-365	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. Attach	Sure-Weld (min. 60-mil) or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	6-inch o.c.	5.5-inch	139.5-inch o.c.	1.5-inch outside	-60.0
SC-366	Min. 22 ga., type B, Grade 33 steel, 7 ft span, 5/8" puddle welds, 6" o.c. Side laps ITW HWH #12 Tek 1, 24" o.c. or min. 2,500 psi structural concrete	Min. 1-inch, one or more layers, any combination	Prelim. attach	Sure-Weld (min. nominal 60-mil) or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
SC-367	Recover only: Min. 22 ga., type B, Grade 33 steel, 6 ft span, 5/8" diameter puddle welds 6" o.c., side laps secured 24" o.c. w/ ¼"-14x1" long self-tapping hex-head screw or min. 2,500 psi structural concrete	3/8-inch Insulfoam R-Tech EPS or Fan-Fold	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
SC-368	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-Xtra Fastener and Piranha Xtra Plate (steel only) or Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-369	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
SC-370	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
SC-371	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-60.0
SC-372	Recover only: Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	3/8-inch Insulfoam R-Tech EPS or Fan-Fold	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-60.0
SC-373	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld HS	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-60.0
SC-374	Min. 22 ga., type B, 55 ksi steel, 6 ft span, 5/8" puddle welds 6" o.c. or min. 2,500 psi structural concrete	Min. 300 psi, min 2-inch thick cellular lightweight concrete	N/A	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only) or Carlisle HD 14-10 (concrete only) and Piranha Plate (through to engage structural deck)	6-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-67.5
SC-375	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-67.5
SC-376	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-67.5
SC-377	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	9-inch o.c.	5.5-inch	54.5-inch o.c.	1.5-inch outside	-75.0
SC-378	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-82.5

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

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15A)						MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
SC-379	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Trufast #15 EHD Fastener (steel only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	12-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-82.5
SC-380	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	54.5-inch o.c.	1.5-inch outside	-90.0
SC-381	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Trufast #15 EHD Fastener (steel only), Trufast #14 HD (concrete only) or Trufast Fluted Concrete Nail (concrete only) with Trufast 2.4" Barbed Metal Seam Plate	6-inch o.c.	5.5-inch	42.5-inch o.c.	1.5-inch outside	-112.5
SURE-WELD FLEECEBACK APPLICATIONS:										
SC-382	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld FleeceBACK	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-30.0
SC-383	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld FleeceBACK	Carlisle HP-Xtra Fastener and Piranha Xtra Plate (steel only) or Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-37.5
SC-384	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld FleeceBACK	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-37.5
SC-385	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 2.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld FleeceBACK 115 or 135	Carlisle HP-X Fastener and Piranha Plate (steel only) or Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	6-inch o.c.	6.5-inch	137.5-inch o.c.	1.5-inch outside	-45.0
SC-386	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld FleeceBACK RL	Carlisle HP-Xtra Fastener and Piranha Xtra Plate (steel only) or Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	-45.0
SC-387	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld FleeceBACK	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate or #15 Roofgrip (steel only) with 2-3/8" Eyehook Seam Plate (AccuSeam)	6-inch o.c.	5.5-inch	90.5-inch o.c.	1.5-inch outside	-60.0

TABLE 21: STEEL OR STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (RUSS STRIPS)

System No.	Deck (Note 1)	Insulation		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Attachment	
SC-388	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attached	Sure-Weld, Sure-Weld HS or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	Sure-Weld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 138-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-30.0
SC-389	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attached	Sure-Weld, Sure-Weld HS or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	Sure-Weld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 114-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-45.0
SC-390	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attached	Sure-Weld, Sure-Weld HS or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	Sure-Weld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 90-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-52.5
SC-391	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attached	Sure-Weld, Sure-Weld HS or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	Sure-Weld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 120-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. Roof cover adhered to each strip by first priming with HP-250 Primer at the strip location, then rolling into place with a hand roller.	-60.0
SC-392	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, any combination	Prelim. attached	Sure-Weld, Sure-Weld HS or Sure-Weld EXTRA	Carlisle HP-X Fastener (steel only), Carlisle HD 14-10 (concrete only) or CD-10 (concrete only) Fastener and Piranha Plate	Sure-Weld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 60-inch o.c. The plates are centered over each strip and fastened 12-inch o.c. Roof cover adhered to each strip by first priming with HP-250 Primer at the strip location, then rolling into place with a hand roller.	-60.0

TABLE 2J: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE D-3: INSULATED, MECHANICALLY ATTACHED AND INDUCTION WELDED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)		Roof Cover (Note 15A, Note 15B)										MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	In-Lap Fastening					Induction Weld Fastening			
						Stress Plate	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	Stress Plate	Spacing	Roof Cover Securment	
SC-393	Min. 22 ga., type B, Grade 33 steel	Min. 2.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener	Piranha Plate	12-inch o.c.	5.5-inch	186.5-inch o.c.	1.5-inch outside	RhinoBond Plate-TPO	One (1) row beneath the roof cover and between the laps, 12-inch o.c.	induction welded with RhinoBond tool	-30.0
SC-394	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld (min. 60-mil) or Sure-Weld EXTRA	Carlisle HP-X Fastener	Piranha Plate	12-inch o.c.	5.5-inch	114.5-inch o.c.	1.5-inch outside	RhinoBond Plate-TPO	One (1) row beneath the roof cover and between the laps, 12-inch o.c.	induction welded with RhinoBond tool	-45.0
SC-395	Min. 22 ga., type B, Grade 33 steel	Min. 2.5-inch, one or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP-X Fastener	Piranha Plate	6-inch o.c.	5.5-inch	186.5-inch o.c.	1.5-inch outside	RhinoBond Plate-TPO	One (1) row beneath the roof cover and between the laps, 6-inch o.c.	induction welded with RhinoBond tool	-60.0

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:								
C-1.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Aqua Base 120 BA	-45.0
C-2.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Aqua Base 120 BA	-45.0
C-3.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Aqua Base 120 BA	-157.5
C-4.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Aqua Base 120 BA	-45.0
C-5.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Min. 0.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV Coverboard: Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Aqua Base 120 BA	-45.0
C-6.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Aqua Base 120 BA	-45.0
C-7.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-157.5
C-8.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST (RIBBON)	Sure-Weld	CAV-GRIP III AP	-352.5
C-9.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-277.5
C-10.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible FAST DT (FULL)	Sure-Weld	CAV-GRIP III AP	-352.5
C-11.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-157.5
C-12.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-232.5

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-13.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-157.5
C-14.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-232.5
C-15.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-157.5
C-16.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-157.5
C-17.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-187.5
C-18.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-187.5
C-19.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible FAST DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-127.5
C-20.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible FAST DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible FAST DT (FULL)	Sure-Weld	CAV-GRIP III AP	-397.5
C-21.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-157.5
C-22.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST (RIBBON)	Sure-Weld	CAV-GRIP III AP	-397.5

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-23.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-277.5
C-24.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST DT (FULL)	Sure-Weld	CAV-GRIP III AP	-397.5
C-25.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-202.5
C-26.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld	CAV-GRIP III AP	-397.5
C-27.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (SPATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (SPATTER)	Sure-Weld	CAV-GRIP III AP	-390.0
C-28.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-157.5
C-29.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST (RIBBON)	Sure-Weld	CAV-GRIP III AP	-352.5
C-30.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-277.5
C-31.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST DT (FULL)	Sure-Weld	CAV-GRIP III AP	-352.5
C-32.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-157.5

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-33.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP	-187.5
C-34.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-157.5
C-35.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-157.5
C-36.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-157.5
C-37.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-232.5
C-38.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-127.5
C-39.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-157.5
C-40.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 0.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-157.5
C-41.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible FAST DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-127.5
C-42.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible FAST DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible FAST DT (FULL)	Sure-Weld	LVOC BA	-397.5

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

REFER TO NOTE 16A FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-43.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-157.5
C-44.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST (RIBBON)	Sure-Weld	LVOC BA	-397.5
C-45.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-277.5
C-46.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST DT (FULL)	Sure-Weld	LVOC BA	-397.5
C-47.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-202.5
C-48.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld	LVOC BA	-397.5
C-49.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (SPATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (SPATTER)	Sure-Weld	LVOC BA	-390.0
C-50.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-157.5
C-51.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST (RIBBON)	Sure-Weld	LVOC BA	-352.5

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-52.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-277.5
C-53.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST DT (FULL)	Sure-Weld	LVOC BA	-352.5
C-54.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	LVOC BA	-157.5
C-55.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-157.5
C-56.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST (RIBBON)	Sure-Weld	Sure-Weld BA	-352.5
C-57.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-277.5
C-58.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible FAST (FULL)	Sure-Weld	Sure-Weld BA	-352.5
C-59.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-157.5
C-60.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-232.5
C-61.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-157.5
C-62.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-232.5

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-63.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Ultralight Coated Glass-Mat Roof Board	Flexible FAST (RIBBON)	Sure-Weld	Sure-Weld BA	-67.5
C-64.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-157.5
C-65.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-157.5
C-66.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-187.5
C-67.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-187.5
C-68.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible FAST DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-127.5
C-69.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible FAST DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible FAST DT (FULL)	Sure-Weld	Sure-Weld BA	-397.5
C-70.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-157.5
C-71.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST (RIBBON)	Sure-Weld	Sure-Weld BA	-397.5
C-72.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-277.5

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-73.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST DT (FULL)	Sure-Weld	Sure-Weld BA	-397.5
C-74.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-202.5
C-75.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld	Sure-Weld BA	-397.5
C-76.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (SPLATTER)	Sure-Weld	Sure-Weld BA	-390.0
C-77.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-157.5
C-78.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST (RIBBON)	Sure-Weld	Sure-Weld BA	-352.5
C-79.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-277.5
C-80.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST DT (FULL)	Sure-Weld	Sure-Weld BA	-352.5
C-81.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-157.5
C-82.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-157.5

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-83.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-187.5
C-84.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Sure-Weld BA	-187.5
C-85.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	Sure-Weld	CAV-GRIP III AP, Sure-Weld BA, LVOC BA	-120.0
C-86.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	OB500	(Optional) Additional layers of base insulation	OB500	Sure-Weld	Aqua Base 120	-127.5
C-87.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck or DensDeck Prime	OB500	Sure-Weld	Aqua Base 120	-127.5
C-88.	Min. 2,500 psi structural concrete	Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	OB500	(Optional) Additional layers of base insulation	OB500	Sure-Weld	Sure-Weld BA	-150.0
C-89.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	OB500	(Optional) Additional layers of base insulation	OB500	Sure-Weld	CAV-GRIP III AP	-150.0
C-90.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck or DensDeck Prime	OB500	Sure-Weld	Sure-Weld BA	-150.0
C-91.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	Sure-Weld	CAV-GRIP III AP	-150.0
C-92.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	OB500	(Optional) Min. 0.5-inch base insulation	OB500	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-157.5
C-93.	Min. 2,500 psi structural concrete	Min. 2-inch InsulBase, SecurShield	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	Sure-Weld	CAV-GRIP III AP, Sure-Weld BA or Aqua Base 120	-247.5

SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):

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

REFER TO NOTE 16A FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-94.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
C-95.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
C-96.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 0.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
C-97.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-90.0
C-98.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-90.0
C-99.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 0.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-90.0
C-100.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
C-101.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-157.5
C-102.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-397.5
C-103.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-277.5

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-104.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-397.5
C-105.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (SPLATTER)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (SPLATTER)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-390.0
C-106.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-157.5
C-107.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-397.5
C-108.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-277.5
C-109.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-397.5
C-110.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (SPLATTER)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-390.0
C-111.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-157.5
C-112.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-345.0
C-113.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-277.5

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

REFER TO NOTE 16A FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-114.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-127.5
C-115.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-157.5
C-116.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-397.5
C-117.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-277.5
C-118.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-397.5
C-119.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-202.5
C-120.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-397.5
C-121.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (SPLATTER)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-390.0
C-122.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible FAST DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-127.5
C-123.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible FAST DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-390.0
C-124.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-157.5

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-125.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 0.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-157.5
C-126.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-157.5
C-127.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-352.5
C-128.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-277.5
C-129.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-352.5
C-130.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-202.5
C-131.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-397.5
C-132.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-112.5
C-133.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 0.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-112.5
C-134.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-157.5

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

REFER TO NOTE 16A FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-135.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-187.5
C-136.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-157.5
C-137.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-397.5
C-138.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-277.5
C-139.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-397.5
C-140.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (SPLATTER)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (SPLATTER)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-390.0
C-141.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-157.5
C-142.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-397.5
C-143.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-277.5
C-144.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-397.5
C-145.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (SPLATTER)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (SPLATTER)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-390.0
C-146.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation Coverboard: Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-157.5

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-147.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-345.0
C-148.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-277.5
C-149.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-157.5
C-150.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-187.5
C-151.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-157.5
C-152.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-397.5
C-153.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-277.5
C-154.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-397.5
C-155.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-202.5

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

REFER TO NOTE 16A FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-156.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-397.5
C-157.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (SPATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (SPATTER)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-390.0
C-158.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible FAST DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-127.5
C-159.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible FAST DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-390.0
C-160.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-157.5
C-161.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-397.5
C-162.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-277.5
C-163.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-397.5
C-164.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-202.5
C-165.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-397.5

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-166.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (SPLATTER)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-390.0
C-167.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-157.5
C-168.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-352.5
C-169.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-277.5
C-170.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-352.5
C-171.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-112.5
C-172.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 0.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-112.5
C-173.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-157.5
C-174.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-187.5
C-175.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-157.5
C-176.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-280.0

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-177.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-277.5
C-178.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	HydroBond WB	-280.0
C-179.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (SPLATTER)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (SPLATTER)	Sure-Weld FleeceBACK	HydroBond WB	-280.0
C-180.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-157.5
C-181.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-157.5
C-182.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-157.5
C-183.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-395.0
C-184.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-277.5
C-185.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	HydroBond WB	-395.0
C-186.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (SPLATTER)	Sure-Weld FleeceBACK	HydroBond WB	-390.0
C-187.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible FAST DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-127.5

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

REFER TO NOTE 16A FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-188.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible FAST DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	HydroBond WB	-397.5
C-189.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-157.5
C-190.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-397.5
C-191.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-277.5
C-192.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	HydroBond WB	-397.5
C-193.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-202.5
C-194.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	HydroBond WB	-397.5
C-195.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible FAST or Flexible FAST DT (SPLATTER)	Sure-Weld FleeceBACK	HydroBond WB	-390.0
C-196.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-157.5
C-197.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-352.5

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-198.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-277.5
C-199.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	HydroBond WB	-352.5
C-200.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-112.5
C-201.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 0.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-112.5
SURE-WELD AFX MEMBRANE APPLICATIONS:								
C-202.	Min. 2,500 psi structural concrete	Min. 0.5-inch HP Recovery Board	HA	None	HA	Sure-Weld AFX	Hot Asphalt	-150.0
C-203.	Min. 2,500 psi structural concrete	One or more layers min. 1.5-inch InsulBase, Polyiso HP-N, Polyiso HP-W, ACfoam II, SecurShield, ENRGY 3 or ISO 95+ GL	HA	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch HP Recovery Board	HA	Sure-Weld AFX	Hot Asphalt	-150.0
SURE-WELD SAT MEMBRANE APPLICATIONS:								
C-204.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld SAT	Self-adhered	-157.5
C-205.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST (RIBBON)	Sure-Weld SAT	Self-adhered	-352.5
C-206.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST DT (RIBBON)	Sure-Weld SAT	Self-adhered	-277.5
C-207.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST DT (FULL)	(Optional) Additional layer(s) base insulation	Flexible FAST (FULL)	Sure-Weld SAT	Self-adhered	-352.5
C-208.	Min. 2,500 psi structural concrete	(Optional) One or more layers, min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV or min. 2-inch ChannelDry EPS	Flexible FAST (FULL)	<u>Insulation:</u> (Optional) min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 2-inch Insulfoam SP	Flexible FAST (FULL)	Sure-Weld SAT	Self-adhered	-315.0

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-209.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld SAT	Self-adhered	-157.5
C-210.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld SAT	Self-adhered	-232.5
C-211.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld SAT	Self-adhered	-157.5
C-212.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld SAT	Self-adhered	-232.5
C-213.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld SAT	Self-adhered	-157.5
C-214.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible FAST DT (RIBBON)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible FAST DT (RIBBON)	Sure-Weld SAT	Self-adhered	-127.5
C-215.	Min. 2,500 psi structural concrete	Min. 0.5-inch SecurShield HD	Flexible FAST DT (FULL)	<u>Insulation:</u> Min. 1.6-inch Optim-R <u>Coverboard:</u> Min. 0.5-inch SecurShield HD	Flexible FAST DT (FULL)	Sure-Weld SAT	Self-adhered	-397.5
C-216.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld SAT	Self-adhered	-157.5
C-217.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST (RIBBON)	Sure-Weld SAT	Self-adhered	-397.5
C-218.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST DT (RIBBON)	Sure-Weld SAT	Self-adhered	-277.5

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

 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Membrane	Application	
C-219.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST DT (FULL)	Sure-Weld SAT	Self-adhered	-397.5
C-220.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld SAT	Self-adhered	-202.5
C-221.	Min. 2,500 psi structural concrete	Min. 2-inch ChannelDry EPS	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Min. 1.5-inch SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (FULL)	Sure-Weld SAT	Self-adhered	-397.5
C-222.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (SPLATTER)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (SPLATTER)	Sure-Weld SAT	Self-adhered	-390.0
C-223.	Min. 2,500 psi structural concrete	Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld SAT	Self-adhered	-157.5
C-224.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST (RIBBON)	Sure-Weld SAT	Self-adhered	-352.5
C-225.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST DT (RIBBON)	Sure-Weld SAT	Self-adhered	-277.5
C-226.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield or Min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST DT (FULL)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch EcoStorm VSH	Flexible FAST DT (FULL)	Sure-Weld SAT	Self-adhered	-352.5
SURE-WELD FLEECEBACK® RL™ APPLICATIONS:								
C-227.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield or min. 1-inch Insulfoam I, II, IX, VIII, XIV or XV	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2.0-inch InsulBase RL	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK® RL™		-142.5

TABLE 3B: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED BASE PLY, BONDED ROOF COVER
 REFER TO [NOTE 16A](#) FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base Ply	Top Ply	
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
C-228.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-165.0
SURE-WELD AFX MEMBRANE APPLICATIONS:								
C-229.	Min. 2,500 psi structural concrete	(Optional) Min. 0.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-157.5
C-230.	Min. 2,500 psi structural concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-202.5
C-231.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield or min. 2-inch Insulfoam I or VIII	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-105.0
C-232.	Min. 2,500 psi structural concrete	Min. 2-inch Insulfoam I or VIII	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-120.0
C-233.	Min. 2,500 psi structural concrete	Min. 1.5-inch InsulBase, SecurShield	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-150.0
C-234.	Min. 2,500 psi structural concrete	Min. 2-inch InsulBase	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-202.5

TABLE 3c: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE C-2: INDUCTION-WELDED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 3 , Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
RHINO BOND SYSTEMS:						
C-235.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 5.3 ft ² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-45.0
C-236.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
C-237.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination. Note B .	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 3.2 ft ² (10 parts per 4 x 8 ft board)	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
C-238.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 4.0 ft ² (8 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-60.0
C-239.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination. Note B .	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 2.7 ft ² (12 parts per 4 x 8 ft board)	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
C-240.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination. Note B .	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	1 per 2.0 ft ² (16 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-97.5
C-241.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	18-inch o.c. in rows 60-inch o.c.	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-30.0
C-242.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	12-inch o.c. in rows 120-inch o.c.	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-30.0
C-243.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	6-inch o.c. in rows 120-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-37.5
C-244.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	12-inch o.c. in rows 60-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-37.5
C-245.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	12-inch o.c. in rows 60-inch o.c.	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-45.0

TABLE 3c: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (Tear-Off) or RECOVER
SYSTEM TYPE C-2: INDUCTION-WELDED ROOF COVER

System No.	Deck (Note 1)	Insulation Layer (Note 3, Note 13)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Density		
C-246.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	6-inch o.c. in rows 120-inch o.c.	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-52.5
C-247.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	HD 14-10 or CD-10 and RhinoBond Plate-TPO or RhinoBond Treadsafe Plate-TPO	6-inch o.c. in rows 60-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer's instructions.	-67.5
ISOWELD INDUCTION WELDING SYSTEM:						
C-248.	Min. 2,500 psi structural concrete	Min. 1-inch thick, one or more layers, any combination.	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 5.3 ft ² (6 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29; Note A	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
C-249.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 6 ft ² 2x3-ft grid, staggered	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-52.5
C-250.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 4.0 ft ² 2x2-ft grid, staggered	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-60.0
C-251.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 3.0 ft ² 1.5 x 2-ft grid, staggered	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-82.5
C-252.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, 4x8 ft dimension, one or more layers, any combination	Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 2.25 ft ² 1.5 x 1.5-ft grid (first row of fasteners spaced 0.5 ft from long edges and 1 ft from the short edge)	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-97.5
C-253.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination. Note B.	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	1 per 2.0 ft ² (16 parts per 4 x 8 ft board) Per FM Loss Prevention Data Sheet 1-29	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-97.5
C-254.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch, preliminarily attached	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	12-inch o.c. in rows 60-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-37.5
C-255.	Min. 2,500 psi structural concrete	Min. 1.5-inch thick, one or more layers, any combination, preliminarily attached	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	12-inch o.c. in rows 60-inch o.c.	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
C-256.	Min. 2,500 psi structural concrete	One or more layers, any combination, min. 1.5-inch preliminarily attached	Dekfast DF-#14-PH3 or Dekfast DF-#15-PH3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate	6-inch o.c. in rows 60-inch o.c.	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-90.0
Notes:	A. The plate/fastener combination offset 12 inch from adjacent rows. B. For these assemblies each row of insulation is staggered by 1 foot.					

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

System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)		MDP (psf)
			Type	Attach	
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):					
C-257.	Min. 2,500 psi structural concrete	None	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-495.0
C-258.	Min. 2,500 psi structural concrete	None	Sure-Weld FleeceBACK	Flexible FAST DT (SPLATTER at 3.5-4.0 lbs/sq)	-722.5
SURE-WELD AFX MEMBRANE APPLICATIONS:					
C-259.	Min. 2,500 psi structural concrete	None	Sure-Weld AFX	Hot Asphalt	-97.5
C-260.	Min. 2,500 psi structural concrete	CCW-702 or cut-back primer at 250-300 ft²/gal	Sure-Weld AFX	Hot Asphalt	-495.0
SURE-WELD SAT MEMBRANE APPLICATIONS:					
C-261.	Min. 2,500 psi structural concrete	None	Sure-Weld SAT	Self-adhered	-425.0

**TABLE 3E: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE G: OPTIONAL INSULATION, LOOSE-LAID ROOF COVER, PRESSURE EQUALIZING VENT**

System No.	Deck (Note 1)	Air Barrier	Insulation	Underlayment	Roof Cover		MDP (psf)
					Type	Attach	
C-262.	Min. 2,500 psi structural concrete	VapAir Seal 725TR or SureMB 90TG or 120TG/torch-applied in accordance with Carlisle requirements.	(Optional) Any fire classified roof insulation and/or coverboard combination, any thickness, loose-laid with staggered joints	12-inch wide strips of polypropylene, air permeable filter fabric, loose laid in a crossing pattern, connecting the V2T vents	Sure-Weld or Sure-Weld HS	VacuSeal Vent installed in accordance with Carlisle instructions, spaced maximum 50 ft o.c.	-97.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:								
LWC-1	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-52.5
LWC-2	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-52.5
LWC-3	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-75.0
LWC-4	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-75.0
LWC-5	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-187.5
LWC-6	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or or min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-187.5

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-7	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-330.0
LWC-8	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld / CAV-GRIP III AP or Sure-Weld BA	-350.0
LWC-9	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-350.0
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
LWC-10	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-52.5
LWC-11	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-52.5
LWC-12	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre-existent cellular lightweight insulating concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-75.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-13	Min. 22 ga., Type BV, Grade 40 steel	Min. 300 psi, pre- existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-75.0
LWC-14	Min. 2,500 psi structural concrete	Min. 300 psi, pre- existent cellular lightweight insulating concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) of base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-187.5
LWC-15	Min. 2,500 psi structural concrete	Min. 300 psi, pre- existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or DEXcell FA Glass Mat Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or or min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-187.5
LWC-16	Min. 2,500 psi structural concrete	Min. 300 psi, pre- existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-187.5
LWC-17	Min. 2,500 psi structural concrete	Min. 300 psi, pre- existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-330.0
LWC-18	Min. 2,500 psi structural concrete	Min. 300 psi, pre- existent cellular lightweight insulating concrete	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) of base insulation	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-350.0
LWC-19	Min. 2,500 psi structural concrete	Min. 300 psi, pre- existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or or min. 1.5-inch SecurShield HD Composite or min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-350.0

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

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
			Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
LWC-20	Min. 2,500 psi structural concrete	Min. 300 psi, pre-existent cellular lightweight insulating concrete	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-350.0

TABLE 4B: LIGHTWEIGHT CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Anchor Sheet			Insulation			Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 11)	Attach	Base Layer	Top Layer(s)	Attach (Notes 6,7,8)		
LWC-21	Min. 22 ga., Type B, Grade 33 vented steel or structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC	JM Perma Ply 28	OMG CR Assembled Base Sheet Fastener	9-inch o.c. in the 3-inch side lap and 9-inch o.c. in two staggered rows in the center of the sheet	Min. 1.0-inch InsulBase, HP-N or HP-W, SecurShield, AC Foam II, or ENRGY 3	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 1.0-inch HP Recovery Board	Hot asphalt	Sure-Weld AFX / Hot asphalt	-45.0

TABLE 4c: LIGHTWEIGHT CONCRETE OVER STEEL DECK - NEW CONSTRUCTION OR RE-ROOF (TEAR OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)				Roof Cover (Note 15)		MDP (psf)
		Type	Surface Treatment	Supplemental Attachment		Type	Attach	
				Fastener	Attach			
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:								
LWC-22	Min. 24 ga., Type 1.0FDV Grade 80 steel at max. 6 ft spans; 5/8” puddle welds wth weld washers, 8-inch o.c.	CELCORE (FL2037): Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 370 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-37.5
LWC-23	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c.	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	None	None	N/A	Sure-Weld	Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-60.0
LWC-24	Min. 22 ga., Type B, Grade 33 steel at max. 4 ft spans attached 6-inch o.c.	CELCORE (FL2037): Min. 38 pcf wet cast density, min. 200 psi, min. 1.625-inch thick Celcore MF Cellular Concrete followed by min. 1-inch EPS holey board with min. 2.0-inch thick top slurry coat. Note A.	Celcore PVA	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-67.5
LWC-25	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c.	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	None	Carlisle HP Fastener with Insulation Plate	1 per 9.0 ft²	Sure-Weld	Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-67.5 <i>Note B</i>
LWC-26	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft spans; 5/8” puddle welds, 6-inch o.c.	CELCORE (FL2037): Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 310 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA	None	N/A	Sure-Weld	CAV-GRIP III AP	-82.5
LWC-27	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c.	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	None	Carlisle HP Fastener with Insulation Plate	1 per 1.0 ft²	Sure-Weld	Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-120.0 <i>Note B</i>
LWC-28	Min. 22 ga., Type BV, Grade 80 steel; max. 5-ft spans; 5/8” puddle welds with weld-washers spaced 6-inch o.c.	CONCRECEL (FL5584 & FL10500): Deck primed with Concrecel Bonding Agent at 600 ft²/gallon. Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required)	(Optional) Concrecel Curing Compound	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-97.5
LWC-29	Min. 22 ga., Type BV, Grade 80 steel; max. 6-ft spans; 5/8” puddle welds spaced 6-inch o.c.	CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (No EPS board)	None	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-105.0
LWC-30	Min. 22 ga., Type BV, Grade 80 steel; max. 6-ft spans; 5/8” puddle welds with weld-washers spaced 6-inch o.c.	CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-135.0

TABLE 4c: LIGHTWEIGHT CONCRETE OVER STEEL DECK - NEW CONSTRUCTION OR RE-ROOF (TEAR OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)				Roof Cover (Note 15)		MDP (psf)
		Type	Surface Treatment	Supplemental Attachment		Type	Attach	
				Fastener	Attach			
LWC-31	Min. 20 ga., Type BV, Grade 33 steel; max. 6-ft 3-inch spans; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	None	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-52.5
LWC-32	Min. 22 ga., Type BV, Grade 33 steel; max. 6-ft spans; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-82.5
LWC-33	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft spans; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-97.5
LWC-34	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft spans; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-112.5
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):								
LWC-35	Min. 24 ga., Type 1.0FDV Grade 80 steel at max. 6 ft spans; 5/8" puddle welds wth weld washers, 8-inch o.c.	CELCORE (FL2037): Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 370 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-37.5
LWC-36	Min. 22 ga., Type BV, Grade 40 steel at max. 6 ft spans; 5/8" puddle welds, 6-inch o.c.	CELCORE (FL2037): Treatment: Celcore S-1 Deck Preparation Slurry LWC: Min. 310 psi, Min. 2-inch thick, Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture	Celcore PVA	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-82.5
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
LWC-37	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c.	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	Celcore PVA	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-60.0
LWC-38	Min. 22 ga., Type B, Grade 33 steel at max. 4 ft spans attached 6-inch o.c.	CELCORE (FL2037): Min. 38 pcf wet cast density, min. 200 psi, min. 1.625-inch thick Celcore MF Cellular Concrete followed by min. 1-inch EPS holey board with min. 2.0-inch thick top slurry coat. Note A.	Celcore PVA	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-67.5
LWC-39	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c.	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	Celcore PVA	Carlisle HP Fastener with Insulation Plate	1 per 9.0 ft²	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-67.5 <i>Note B</i>
LWC-40	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c.	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (cast with or without min. 1-inch EPS holey board). Note A.	Celcore PVA	Carlisle HP Fastener with Insulation Plate	1 per 1.0 ft²	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-120.0 <i>Note B</i>

TABLE 4c: LIGHTWEIGHT CONCRETE OVER STEEL DECK - NEW CONSTRUCTION OR RE-ROOF (TEAR OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)				Roof Cover (Note 15)		MDP (psf)
		Type	Surface Treatment	Supplemental Attachment		Type	Attach	
				Fastener	Attach			
LWC-41	Min. 22 ga., Type BV, Grade 40 steel; 6 ft span, Tek/5 screws, 6" o.c.	ELASTIZELL (NOA 23-0817.05): Min. 530 psi, min. 2-inch thick, Elastizell Range III LWIC	None	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-52.5
LWC-42	Min. 20 ga., Type BV, Grade 33 steel; max. 6-ft 3-inch spans; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	None	None	N/A	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-52.5
LWC-43	Min. 22 ga., Type BV, Grade 33 steel; max. 6-ft spans; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-82.5
LWC-44	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft spans; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 1-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-97.5
LWC-45	Min. 22 ga., Type BV, Grade 33 steel; max. 5-ft spans; 5/8" puddle welds or Tek/5 screws spaced 6-inch o.c.	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (Minimum 2-inch thick, minimum 1.0 pcf EPS holey board required)	None	None	N/A	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-112.5
Notes:	A.) If the type of LWC to be used on the project is unknown, as in a re-roof (tear-off) condition, compressive strength and fastener withdrawal resistance testing shall be conducted. Compressive strength testing shall be in accordance with ASTM C495 (for new pour) or ASTM C513 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with Note 11 shall yield an average withdrawal performance not less than 55 lbf with a Trufast FM-90 Base Sheet Fastener. If question exists as to the adhesion to the LWC surface, field testing in accordance with Note 12 is recommended. All testing shall be performed by an accredited testing agency acceptable to the Authority Having Jurisdiction. B.) Linear interpolation between supplemental attachment at 1 per 9 ft² for -67.5 psf and 1 per 1.0 ft² for -120.0 psf is permissible. Such interpolation shall be performed by a qualified design professional to the satisfaction of the Authority Having Jurisdiction.							

TABLE 4D: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE – NEW CONSTRUCTION OR RE-ROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Roof Cover (Note 15)		MDP (psf)
			Membrane	Application	
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:					
LWC-46	Min. 2,500 psi structural concrete	CELCORE (FL2037): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)	Sure-Weld	Aqua Base 120	-82.5
LWC-47	Min. 2,500 psi structural concrete	CELCORE (FL2037): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-135.0
LWC-48	Min. 2,500 psi structural concrete	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). Note A.	Sure-Weld	Aqua Base 120	-217.5
LWC-49	Min. 2,500 psi structural concrete	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). Note A.	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-480.0
LWC-50	Min. 2,500 psi structural concrete	CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-452.5
LWC-51	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC	Sure-Weld	Aqua Base 120	-67.5
LWC-52	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-240.0
LWC-53	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 300 psi, Min. 2-inch thick, Elastizell Range II LWIC (no EPS board)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-495.0
LWC-54	Min. 2,500 psi structural concrete	Min. 350 psi, pre-existent cellular lightweight insulating concrete; Note: Fastener Withdrawal; OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 101 lbf per Note 11 .	Sure-Weld	Sure-Weld BA	-452.5
LWC-55	Min. 2,500 psi structural concrete	Min. 320 psi, pre-existent cellular lightweight insulating concrete; Note: Fastener Withdrawal; OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 148 lbf per Note 11 .	Sure-Weld	Sure-Weld BA	-492.5
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):					
LWC-56	Min. 2,500 psi structural concrete	CELCORE (FL2037): Min. 270 psi, Min. 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture (EPS board optional) Surfacing: Celcore SBS (Sanded Bonding Surface) at 1 gal/square.	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-225.0
LWC-57	Min. 2,500 psi structural concrete	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional). Note A.	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-232.5
LWC-58	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-240.0
LWC-59	Min. 2,500 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (no EPS board)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-250.0
LWC-60	Min. 2,500 psi structural concrete	Min. 320 psi, pre-existent cellular lightweight insulating concrete; Note: Fastener Withdrawal; OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 148 lbf per Note 11 .	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-250.0

TABLE 4D: LIGHTWEIGHT CONCRETE OVER STRUCTURAL CONCRETE – NEW CONSTRUCTION OR RE-ROOF (TEAR-OFF)
SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER

System No.	Deck (Note 1)	Lightweight Concrete (Note 14)	Roof Cover (Note 15)		MDP (psf)
			Membrane	Application	
LWC-61	Min. 2,500 psi structural concrete	Min. 350 psi, pre-existent cellular lightweight insulating concrete; Note: Fastener Withdrawal; OMG CR-R Assembled Base Sheet Fastener (1.7 in.) ≥ 101 lbf per Note 11 .	Sure-Weld FleeceBACK	Flexible FAST DT (SPLATTER at 3.5-4.0 lbs/sq)	-345.0
SURE-WELD SAT MEMBRANE APPLICATIONS:					
LWC-62	Min. 3,000 psi structural concrete	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC	Sure-Weld SAT	Self-adhered	-282.5
Notes:	A.) If the type of LWC to be used on the project is unknown, as in a re-roof (tear-off) condition, compressive strength and fastener withdrawal resistance testing shall be conducted. Compressive strength testing shall be in accordance with ASTM C495 (for new pour) or ASTM C513 (for existing) and shall yield a minimum 200 psi result. Field withdrawal resistance testing in accordance with Note 11 shall yield an average withdrawal performance not less than 55 lbf with a Trufast FM-90 Base Sheet Fastener. If question exists as to the adhesion to the LWC surface, field testing in accordance with Note 12 is recommended. All testing shall be performed by an accredited testing agency acceptable to the Authority Having Jurisdiction.				

TABLE 4E: LIGHTWEIGHT INSULATING CONCRETE DECKS - REROOF (TEAR-OFF)
SYSTEM TYPE F: LWC TO DECK, NON-INSULATED, BONDED ROOF COVER

^ The reported MDP documents the allowable maximum design pressure of the new roof cover when installed atop the pre-existent 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, Note 12)	Field QA Fastener Withdrawal per TAS 105 per Note 11	Primer	Roof Cover (Note 15)		MDP (psf)^a
				Base Ply	Cap Ply	
PRE-EXISTENT CELLULAR LIGHTWEIGHT CONCRETE:						
BAREBACK MEMBRANES:						
LWC-63	Pre-existent cellular lightweight concrete, min. 760 psi, min. 2-inch thick	Fastener: Carlisle 1.8 Dual Prong Base Sheet Fasteners Minimum Characteristic Resistance Force (MCRF): 204 lbf	None	None	Sure-Weld / Sure-Weld BA	-387.5
LWC-64	Pre-existent cellular lightweight concrete, min. 760 psi, min. 2-inch thick	Fastener: Carlisle 1.8 Dual Prong Base Sheet Fasteners Minimum Characteristic Resistance Force (MCRF): 204 lbf	None	None	Sure-Weld / CAV-GRIP III Adhesvie/Primer	-422.5
FLEECEBACK MEMBRANES:						
LWC-65	Pre-existent cellular lightweight concrete, min. 760 psi, min. 2-inch thick	Fastener: Carlisle 1.8 Dual Prong Base Sheet Fasteners Minimum Characteristic Resistance Force (MCRF): 204 lbf	CAV-GRIP III Adhesive/Primer at 0.225 gal/square	SureMB 70 SA, self-adhering	Sure-Weld FleeceBACK / Flexible FAST (FULL, SPLATTER)	-295.0
LWC-66	Pre-existent cellular lightweight concrete, min. 760 psi, min. 2-inch thick	Fastener: Carlisle 1.8 Dual Prong Base Sheet Fasteners Minimum Characteristic Resistance Force (MCRF): 204 lbf	None	None	Sure-Weld FleeceBACK / Flexible FAST (FULL, SPLATTER)	-322.5

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

 REFER TO [NOTE 16B](#) FOR VAPOR BARRIER OPTIONS.

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:								
CWF-1	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation : (Optional) Additional layer(s) base insulation Coverboard : Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	Aqua Base 120	-52.5
CWF-2	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation : (Optional) Additional layer(s) base insulation Coverboard : Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP or Sure-Weld BA	-75.0
CWF-3	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation : (Optional) Additional layer(s) base insulation Coverboard : Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP, LVOC-BA or Sure-Weld BA	-82.5
CWF-4	Min. 2-inch Tectum Plank	Min. 1.5-inch InsulBase, SecurShield and/or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP, LVOC-BA or Sure-Weld BA	-82.5
CWF-5	Min. 2-inch Tectum Plank	(Optional) Min. 1.0-inch InsulBase, SecurShield	Flexible FAST (FULL)	Insulation : (Optional) Additional layer(s) base insulation Coverboard : Min. 0.625-inch DensDeck Prime	Flexible FAST (FULL)	Sure-Weld	CAV-GRIP III AP or Sure-Weld BA	-90.0
CWF-6	Min. 2-inch Tectum Plank	Min. 1-inch InsulBase or SecurShield	Flexible FAST (FULL) or Flexible FAST DT (FULL)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible FAST (FULL) or Flexible FAST DT (FULL)	Sure-Weld	CAV-GRIP III AP, LVOC-BA or Sure-Weld BA	-277.5
CWF-7	Min. 2-inch Tectum Plank	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board, min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible FAST (FULL) or Flexible FAST DT (FULL)	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC-BA or Sure-Weld BA	-277.5
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):								

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

 REFER TO [NOTE 16B](#) FOR VAPOR BARRIER OPTIONS.

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
CWF-8	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
CWF-9	Min. 2-inch Tectum Plank	Min. 1.5-inch InsulBase, SecurShield and/or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
CWF-10	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-82.5
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
CWF-11	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	HydroBond WB	-52.5
CWF-12	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 7/16-inch APA rated OSB	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST, Flexible FAST DT (FULL)	-75.0
CWF-13	Min. 2-inch Tectum Plank	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	Insulation: (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board, Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST, Flexible FAST DT (FULL) or HydroBond WB	-82.5
CWF-14	Min. 2-inch Tectum Plank	Min. 1.5-inch InsulBase, SecurShield and/or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST, Flexible FAST DT (FULL) or HydroBond WB	-82.5
CWF-15	Min. 2-inch Tectum Plank	Min. 1.0-inch InsulBase, SecurShield	Flexible FAST (FULL)	(Optional) Min. 0.5-inch HP Recovery Board	Flexible FAST (FULL)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-90.0
CWF-16	Min. 2-inch Tectum Plank	Min. 1-inch Insulfoam SP	Flexible FAST (FULL)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-90.0
CWF-17	Min. 2-inch Tectum Plank	(Optional) Min. 1.0-inch InsulBase	Flexible FAST (FULL)	Insulation: (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.625-inch DensDeck Prime	Flexible FAST (FULL)	Sure-Weld FleeceBACK	Flexible FAST, Flexible FAST DT (FULL)	-90.0

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

 REFER TO [NOTE 16B](#) FOR VAPOR BARRIER OPTIONS.

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
CWF-18	Min. 2-inch Tectum Plank	Min. 1-inch InsulBase or SecurShield	Flexible FAST (FULL) or Flexible FAST DT (FULL)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible FAST (FULL) or Flexible FAST DT (FULL)	Sure-Weld FleeceBACK	Flexible FAST (FULL) or Flexible FAST DT (FULL) or HydroBond WB	-277.5
CWF-19	Min. 2-inch Tectum Plank	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible FAST (FULL) or Flexible FAST DT (FULL)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST (FULL) or Flexible FAST DT (FULL) or HydroBond WB	-277.5

TABLE 5b: CEMENTITIOUS WOOD FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE B-3: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)	MDP (psf)
		Type	Fastener (Note 11)	Attach	Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:										
CWF-20	Min. 2-inch Tectum Plank	SureMB G2 Base	Trufast Twin-Loc Nails, min. 1.4-inch embedment	9-inch o.c. in the 4-inch side laps and 18-inch o.c. in two staggered rows in the center of the sheet	Min. 1.5-inch InsulBase, SecurShield and/or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBONS, ~10.5-inch o.c., atop anchor sheet fastener rows)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC-BA or Sure-Weld BA	-30.0
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):										
CWF-21	Min. 2-inch Tectum Plank	SureMB G2 Base	Trufast Twin-Loc Nails, min. 1.4-inch embedment	9-inch o.c. in the 4-inch side laps and 18-inch o.c. in two staggered rows in the center of the sheet	Min. 1.5-inch InsulBase, SecurShield and/or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBONS, ~10.5-inch o.c., atop anchor sheet fastener rows)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST, Flexible FAST DT (FULL) or HydroBond WB	-30.0

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

System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)		MDP (psf)
			Type	Attach	
CWF-22	Min. 2-inch Tectum Plank	None	Sure-Weld FleeceBACK	Flexible FAST (RIBBONS 12-inch o.c.) or Flexible FAST DT (RIBBONS 12-inch o.c.)	-105.0
CWF-23	Min. 2-inch Tectum Plank	None	Sure-Weld FleeceBACK	Flexible FAST (FULL) or Flexible FAST DT (FULL)	-601.5

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

REFER TO [NOTE 16C](#) FOR VAPOR BARRIER OPTIONS.

System No.	Deck (Note 1 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:								
G-1.	Existing gypsum deck	(Optional) Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-157.5
G-2.	Existing gypsum deck	Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	None	N/A	Sure-Weld	CAV-GRIP III AP or Sure-Weld BA	-187.5
G-3.	Existing gypsum deck	Min. 1-inch InsulBase, SecurShield and/or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-237.5
G-4.	Existing gypsum deck	Nominal 0.5-inch EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-352.5
G-5.	Existing gypsum deck	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-397.5
G-6.	Existing gypsum deck	Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible FAST or Flexible FAST DT (RIBBON)	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-450.0
G-7.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-495.0
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):								
G-8.	Existing gypsum deck	Min. 1-inch InsulBase, SecurShield and/or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
G-9.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0

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

REFER TO [NOTE 16C](#) FOR VAPOR BARRIER OPTIONS.

System No.	Deck (Note 1 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
G-10.	Existing gypsum deck	(Optional) Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-90.0
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
G-11.	Existing gypsum deck	(Optional) Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-157.5
G-12.	Existing gypsum deck	Min. 2-inch StormBase	Flexible FAST or Flexible FAST DT (RIBBON)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-187.5
G-13.	Existing gypsum deck	Min. 1-inch InsulBase, SecurShield and/or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST, Flexible FAST DT (FULL) or HydroBond WB	-237.5
G-14.	Existing gypsum deck	(Optional) Min. 1-inch Insulfoam I, II, VIII, IX, XIV or XV	Flexible FAST (FULL)	Min. 1-inch Insulfoam SP	Flexible FAST (FULL)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-295.0
G-15.	Existing gypsum deck	Nominal 0.5-inch EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST, Flexible FAST DT (FULL) or HydroBond WB	-352.5
G-16.	Existing gypsum deck	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 0.4375-inch DEXcell Cement Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST, Flexible FAST DT (FULL) or HydroBond WB	-397.5
G-17.	Existing gypsum deck	Min. 0.5-inch SecurShield HD, SecurShield HD Plus	Flexible FAST or Flexible FAST DT (RIBBON)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST, Flexible FAST DT (FULL) or HydroBond WB	-450.0
G-18.	Existing gypsum deck	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST, Flexible FAST DT (FULL) or HydroBond WB	-495.0
G-19.	Existing gypsum deck	PremiR+ EVO (FL46691), spray-applied to 1-inch lift	N/A	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL, splatter-applied)	-937.5

TABLE 6B: GYPSUM DECKS - 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 (Note 17)	Min. Withdrawal (lbf)	Type	Attach (Notes 6,7,8)		
SURE-WELD MEMBRANE APPLICATIONS:									
G-20.	Existing gypsum deck	Min. 1.5-inch InsulBase, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 3.2 ft²	240	Additional layer(s) min. 1-inch base insulation and/or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-37.5*
G-21.	Existing gypsum deck	Min. 1.5-inch InsulBase, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft²	180	Additional layer(s) min. 1-inch base insulation and/or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
G-22.	Existing gypsum deck	Min. 2-inch InsulBase, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft²	360	Additional layer(s) min. 1-inch base insulation and/or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):									
G-23.	Existing gypsum deck	Min. 1.5-inch InsulBase, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 3.2 ft²	240	Additional layer(s) min. 1.5-inch base insulation and/or min. 0.25-inch DensDeck Prime or min. 2-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-37.5*
G-24.	Existing gypsum deck	Min. 1.5-inch InsulBase, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft²	180	Additional layer(s) min. 1.5-inch base insulation and/or min. 0.25-inch DensDeck Prime or min. 2-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
G-25.	Existing gypsum deck	Min. 2-inch InsulBase, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft²	360	Additional layer(s) min. 1.5-inch base insulation and/or min. 0.25-inch DensDeck Prime or min. 2-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):									

TABLE 6B: GYPSUM DECKS - 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 (Note 17)	Min. Withdrawal (lbf)	Type	Attach (Notes 6,7,8)		
G-26.	Existing gypsum deck	Min. 1.5-inch InsulBase, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 3.2 ft ²	240	Additional layer(s) min. 1-inch base insulation and/or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST, Flexible FAST DT (FULL) or HydroBond WB	-37.5*
G-27.	Existing gypsum deck	Min. 1.5-inch InsulBase, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft ²	180	Additional layer(s) min. 1-inch base insulation and/or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST, Flexible FAST DT (FULL) or HydroBond WB	-45.0*
G-28.	Existing gypsum deck	Min. 2-inch InsulBase, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft ²	360	Additional layer(s) min. 1-inch base insulation and/or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH or min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK / Flexible FAST, Flexible FAST DT (FULL) or HydroBond WB	-45.0*
SURE-WELD FLEECEBACK® RL™ APPLICATIONS:									
G-29.	Existing gypsum deck	Min. 1.5-inch InsulBase, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 3.2 ft ²	240	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL, min. 1.5-inch InsulBase RL or SecurShield RL or min. 2-inch SecurShield HD Composite RL	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK® RL™	-37.5*
G-30.	Existing gypsum deck	Min. 1.5-inch InsulBase, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft ²	180	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL, min. 1.5-inch InsulBase RL or SecurShield RL or min. 2-inch SecurShield HD Composite RL	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK® RL™	-45.0*
G-31.	Existing gypsum deck	Min. 2-inch InsulBase, SecurShield	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft ²	360	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD RL, min. 1.5-inch InsulBase RL or SecurShield RL or min. 2-inch SecurShield HD Composite RL	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK® RL™	-45.0*

TABLE 6c GYPSUM DECKS - REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Base Insulation Layer (Note 13)	Top Insulation Layer				Roof Cover (Note 15)	MDP (psf)
			Type	Fastener (Note 11)	Attach (Note 17)	Min. Withdrawal (lbf)		
SURE-WELD MEMBRANE APPLICATIONS:								
G-32.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch InsulBase, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 3.2 ft²	240	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-37.5*
G-33.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch InsulBase, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft²	180	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
G-34.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch InsulBase, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft²	360	Sure-Weld / CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-45.0*
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):								
G-35.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch InsulBase, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 3.2 ft²	240	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-37.5*
G-36.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch InsulBase, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft²	180	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
G-37.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch InsulBase, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft²	360	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0*
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
G-38.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch InsulBase, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 3.2 ft²	240	Sure-Weld FleeceBACK / Flexible FAST, Flexible FAST DT (FULL) or HydroBond WB	-37.5*
G-39.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch InsulBase, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft²	180	Sure-Weld FleeceBACK / Flexible FAST, Flexible FAST DT (FULL) or HydroBond WB	-45.0*
G-40.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch InsulBase, SecurShield or SecurShield HD Composite	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft²	360	Sure-Weld FleeceBACK / Flexible FAST, Flexible FAST DT (FULL) or HydroBond WB	-45.0*
SURE-WELD FLEECEBACK® RL™ APPLICATIONS:								
G-41.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch InsulBase RL or SecurShield RL or min. 2-inch SecurShield HD Composite RL	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 3.2 ft²	240	Sure-Weld FleeceBACK® RL™	-37.5*
G-42.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 1.5-inch InsulBase RL or SecurShield RL or min. 2-inch SecurShield HD Composite RL	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 2.0 ft²	180	Sure-Weld FleeceBACK® RL™	-45.0*
G-43.	Existing gypsum deck	(Optional) One or more layers, any combination	Min. 2-inch InsulBase RL, SecurShield RL or SecurShield HD Composite RL	Gyptec Fastener with Gyptec Plate-3" or Lite Deck Fastener with Lite Deck Plate, min. 2-inch embed.	1 per 4.0 ft²	360	Sure-Weld FleeceBACK® RL™	-45.0*

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

System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)		MDP (psf)
			Type	Attach	
G-44.	Existing gypsum deck	None	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-295.0
G-45.	Existing gypsum deck	None	Sure-Weld FleeceBACK	Flexible FAST DT (SPLATTER at 3.5-4.0 lbs/sq)	-717.5

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

^A 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, Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:								
R-1	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-167.5
R-2	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-167.5
R-3	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen over structural concrete deck	(Optional) Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch StormBase or SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-145.0
R-4	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch StormBase or SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-145.0
R-5	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2-inch StormBase or SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-145.0

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

^A 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 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
R-6	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-302.5
R-7	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	None	N/A	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-302.5
R-8	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	OB500	(Optional) Additional layers of base insulation	OB500	Sure-Weld	Aqua Base 120 or Sure-Weld BA	-120.0
R-9	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	Min. 1.5-inch InsulBase, SecurShield	OB500	(Optional) Additional layers of base insulation	OB500	Sure-Weld	CAV-GRIP III AP	-120.0
R-10	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	OB500	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck or DensDeck Prime	OB500	Sure-Weld	Aqua Base 120 or Sure-Weld BA	-120.0
R-11	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	OB500	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch DensDeck Prime	OB500	Sure-Weld	CAV-GRIP III AP	-120.0
R-12	Existing fully-adhered asphaltic BUR or mineral surface cap sheet	(Optional) Min. 1.5-inch ACFoam II, InsulBase, SecurShield, ENRGY 3	OB500	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	Sure-Weld	Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-120.0

SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):

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

^A 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, Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
R-13	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
R-14	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	(Optional) Additional layer(s) base insulation	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
R-15	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
R-16	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
R-17	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board or min. 0.5-inch SecurShield HD or SecurShield HD Plus	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
R-18	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-90.0

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

^A 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 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
R-19	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-90.0
R-20	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-90.0
R-21	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
R-22	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
R-23	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1.5-inch SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12-inch o.c.)	-45.0
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
R-24	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-167.5

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

^A 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 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
R-25	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : (Optional) Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-167.5
R-26	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch StormBase or SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-145.0
R-27	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2-inch StormBase or SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-145.0
R-28	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2-inch StormBase or SecurShield HD Composite	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-145.0
R-29	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-302.5

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

^A 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 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Type	Application	
R-30	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board, min. 0.4375-inch DEXcell Cement Roof Board or min. 0.5-inch SecurShield HD, SecurShield HD Plus or EcoStorm VSH	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	None	N/A	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL) or HydroBond WB	-302.5
SURE-WELD FLEECEBACK® RL™ APPLICATIONS:								
R-31	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2.0-inch InsulBase RL	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK® RL™		-142.5
R-32	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation</u> : (Optional) Additional layer(s) base insulation <u>Coverboard</u> : Min. 2.0-inch InsulBase RL	Flexible FAST or Flexible FAST DT (RIBBON)	Sure-Weld FleeceBACK® RL™		-142.5
R-33	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 2.0-inch InsulBase RL	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	None	N/A	Sure-Weld FleeceBACK® RL™		-142.5

TABLE 7B: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED BASE PLY, BONDED ROOF COVER

^A 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 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base	Application	
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):								
R-34	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	(Optional) Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-165.0
R-35	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1.5-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-165.0
R-36	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>None</u>	N/A	SureMB 90TG or 120TG / torch-applied	Sure-Weld FleeceBACK / Flexible FAST or Flexible FAST DT (FULL)	-165.0
SURE-WELD AFX MEMBRANE APPLICATIONS:								
R-37	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-157.5
R-38	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-157.5
R-39	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>None</u>	N/A	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-157.5

TABLE 7B: RECOVER APPLICATIONS
SYSTEM TYPE A-1: BONDED INSULATION, BONDED BASE PLY, BONDED ROOF COVER

^A 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 , Note 12)	Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)	Base	Application	
R-40	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-167.5
R-41	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 1-inch InsulBase, SecurShield	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-167.5
R-42	Existing fully-adhered granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON)	None	N/A	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-202.5
R-43	Existing fully-adhered asphalt built-up roof (BUR) with flood coat & gravel (loose gravel removed)	Min. 0.25-inch DensDeck Prime	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	None	N/A	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-202.5
R-44	Existing fully-adhered asphaltic BUR	Min. 1.5-inch InsulBase, SecurShield or min. 2-inch Insulfoam I or VIII	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	OB500	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-105.0
R-45	Existing fully-adhered asphaltic BUR	Min. 1.5-inch InsulBase, SecurShield or min. 2-inch Insulfoam I or VIII	OB500	<u>Insulation:</u> (Optional) Additional layer(s) base insulation <u>Coverboard:</u> Min. 0.25-inch DensDeck Prime	OB500	SureMB 90TG or 120TG / torch-applied	Sure-Weld AFX / C-CAA or hot asphalt	-120.0

TABLE 7c: STEEL - RECOVER
SYSTEM TYPE C-2: PLATE-BONDED 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 (Note 1)	Insulation Layer (Note 5)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Spacing		
RHINO BOND SYSTEMS:						
R-46	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Carlisle HP Purlin Fastener or RetroDriller Fastener and RhinoBond Plate-TPO are fastened through to purlins	18-inch o.c. in rows 60-inch o.c.	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer’s instructions.	-30.0
R-47	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination, preliminarily fastened	Carlisle HP Purlin Fastener or RetroDriller Fastener and RhinoBond Plate-TPO are fastened through to purlins	12-inch o.c. along purlins	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer’s instructions.	-30.0
R-48	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination, preliminarily fastened	Carlisle HP Purlin Fastener or RetroDriller Fastener and RhinoBond Plate-TPO are fastened through to purlins	6-inch o.c. along purlins	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer’s instructions.	-37.5
R-49	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Carlisle HP Purlin Fastener or RetroDriller Fastener and RhinoBond Plate-TPO are fastened through to purlins	12-inch o.c. along purlins	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer’s instructions.	-37.5
R-50	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Carlisle HP Purlin Fastener or RetroDriller Fastener and RhinoBond Plate-TPO are fastened through to purlins	12-inch o.c. along purlins	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer’s instructions.	-45.0
R-51	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination, preliminarily fastened	Carlisle HP Purlin Fastener or RetroDriller Fastener and RhinoBond Plate-TPO are fastened through to purlins	6-inch o.c. along purlins	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer’s instructions.	-52.5
R-52	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Carlisle HP Purlin Fastener or RetroDriller Fastener and RhinoBond Plate-TPO are fastened through to purlins	6-inch o.c. along purlins	Sure-Weld or Sure-Weld EXTRA induction welded with RhinoBond tool per manufacturer’s instructions.	-67.5
ISOWELD INDUCTION WELDING SYSTEM:						
R-53	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Dekfast DF-#12-PC-SQ3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate are fastened through to purlins	12-inch o.c. along purlins	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-37.5
R-54	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced max. 120-inch o.c.	One or more layers, any combination, preliminarily fastened	Dekfast DF-#12-PC-SQ3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate are fastened through to purlins	6-inch o.c. along purlins	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-37.5

TABLE 7c: STEEL - RECOVER
SYSTEM TYPE C-2: PLATE-BONDED 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 (Note 1)	Insulation Layer (Note 5)	Attachment		Roof Cover (Note 15B)	MDP (psf)
			Fastener (Note 11)	Spacing		
R-55	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Dekfast DF-#12-PC-SQ3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate are fastened through to purlins	12-inch o.c. along purlins	Sure-Weld (minimum 60-mil) or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-45.0
R-56	Existing standing seam or lap seam metal roof covers having min. 16 gauge (0.0598 inch), 50 ksi steel purlins spaced max. 60-inch o.c.	One or more layers, any combination, preliminarily fastened	Dekfast DF-#12-PC-SQ3 with Carlisle isoweld TPO Plate or SFS isoweld F1-P-6.8-TPO Plate are fastened through to purlins	6-inch o.c. along purlins	Sure-Weld or Sure-Weld EXTRA induction welded with SFS <i>isoweld</i> ® 3000 stand-up tool.	-90.0

TABLE 7d: 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 (Note 1)	Insulation		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Attachment	
R-57	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 138.5-inch o.c.	One or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP Purlin Fastener or RetroDriller Fastener and Piranha Plate	12-inch o.c. within 5.5-inch wide laps spaced max. 138.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-30.0
R-58	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 115-inch o.c.	One or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP Purlin Fastener or RetroDriller Fastener and Piranha Plate	12-inch o.c. within 5.5-inch wide laps spaced max. 115-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-45.0
R-59	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 54.5-inch o.c.	One or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP Purlin Fastener or RetroDriller Fastener and Piranha Plate	12-inch o.c. within 5.5-inch wide laps spaced max. 54.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-60.0
R-60	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 138.5-inch o.c.	One or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP Purlin Fastener or RetroDriller Fastener and Piranha Plate	6-inch o.c. within 5.5-inch wide laps spaced max. 138.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-60.0
R-61	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 90.5-inch o.c.	One or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP Purlin Fastener or RetroDriller Fastener and Piranha Plate	6-inch o.c. within 5.5-inch wide laps spaced max. 90.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-67.5
R-62	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 54.5-inch o.c.	One or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP Purlin Fastener or RetroDriller Fastener and Piranha Plate	9-inch o.c. within 5.5-inch wide laps spaced max. 54.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-75.0
R-63	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 54.5-inch o.c.	One or more layers, any combination	Prelim. attach	Sure-Weld or Sure-Weld EXTRA	Carlisle HP Purlin Fastener or RetroDriller Fastener and Piranha Plate	6-inch o.c. within 5.5-inch wide laps spaced max. 54.5-inch o.c. to engage steel purlin. Laps sealed with 1.5-inch heat weld.	-90.0

TABLE 7E: STEEL – RECOVER
SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED ROOF COVER (RUSS STRIPS)

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

System No.	Deck (Note 1)	Insulation		Roof Cover (Note 15A)			MDP (psf)
		Type	Attach (Note 5)	Membrane	Fastener (Note 11)	Attachment	
R-64	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 138-inch o.c.	One or more layers, any combination	Prelim. attached	Sure-Weld, Sure-Weld HS or Sure-Weld EXTRA	Carlisle HP Purlin Fastener or RetroDriller Fastener and Piranha Plate	Sure-Weld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 138-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. to engage the purlin. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-30.0
R-65	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 114-inch o.c.	One or more layers, any combination	Prelim. attached	Sure-Weld, Sure-Weld HS or Sure-Weld EXTRA	Carlisle HP Purlin Fastener or RetroDriller Fastener and Piranha Plate	Sure-Weld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 114-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. to engage the purlin. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-45.0
R-66	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 90-inch o.c.	One or more layers, any combination	Prelim. attached	Sure-Weld, Sure-Weld HS or Sure-Weld EXTRA	Carlisle HP Purlin Fastener or RetroDriller Fastener and Piranha Plate	Sure-Weld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 90-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. to engage the purlin. Roof cover adhered to each strip by first priming with TPO Primer at the strip location, then rolling into place with a hand roller.	-52.5
R-67	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 120-inch o.c.	One or more layers, any combination	Prelim. attached	Sure-Weld, Sure-Weld HS or Sure-Weld EXTRA	Carlisle HP Purlin Fastener or RetroDriller Fastener and Piranha Plate	Sure-Weld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 120-inch o.c. The plates are centered over each strip and fastened 6-inch o.c. to engage the purlin. Roof cover adhered to each strip by first priming with HP-250 Primer at the strip location, then rolling into place with a hand roller.	-60.0
R-68	Existing standing seam or lap seam metal roof covers having min. 16 ga. (0.0598-inch) to max. 3/16-inch thick steel purlins spaced max. 60-inch o.c.	One or more layers, any combination	Prelim. attached	Sure-Weld, Sure-Weld HS or Sure-Weld EXTRA	Carlisle HP Purlin Fastener or RetroDriller Fastener and Piranha Plate	Sure-Weld TPO 10-inch Pressure-Sensitive RUSS strips are applied over the insulation spaced 60-inch o.c. The plates are centered over each strip and fastened 12-inch o.c. to engage the purlin. Roof cover adhered to each strip by first priming with HP-250 Primer at the strip location, then rolling into place with a hand roller.	-60.0

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

System No.	Deck (Note 1)	Roof Cover (Note 15)						MDP (psf)
		Membrane	Fastener (Note 11)	Fastener Spacing	Lap Width	Lap Spacing	Seam Weld	
R-69	Existing steel deck	Sure-Weld AFX or Sure-Weld FleeceBACK	Carlisle HP-X Fastener and Piranha Plate installed through to engage existing deck	12-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-30.0
R-70	Existing steel deck	Sure-Weld AFX 155 or Sure-Weld FleeceBACK 135	Carlisle HP-Xtra Fastener and Piranha Xtra Plate installed through to engage existing deck	12-inch o.c.	5-inch	139-inch o.c.	1.5-inch outside	-30.0
R-71	Existing steel deck, min. Grade 80	Sure-Weld AFX or Sure-Weld FleeceBACK	Carlisle HP-X Fastener and Piranha Plate installed through to engage existing deck	12-inch o.c.	5.5-inch	139-inch o.c.	1.5-inch outside	-30.0
R-72	Existing steel deck	Sure-Weld AFX 155 or Sure-Weld FleeceBACK 135	Carlisle HP-Xtra Fastener and Piranha Xtra Plate installed through to engage existing deck	6-inch o.c.	5-inch	139-inch o.c.	1.5-inch outside	-37.5
R-73	Existing steel deck, min. Grade 80	Sure-Weld AFX or Sure-Weld FleeceBACK	Carlisle HP-X Fastener and Piranha Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	139-inch o.c.	1.5-inch outside	-37.5
R-74	Existing steel deck	Sure-Weld AFX 155 or Sure-Weld FleeceBACK 135	Carlisle HP-Xtra Fastener and Piranha Xtra Plate installed through to engage existing deck	12-inch o.c.	5-inch	115-inch o.c.	1.5-inch outside	-37.5
R-75	Existing steel deck, min. Grade 80	Sure-Weld AFX or Sure-Weld FleeceBACK	Carlisle HP-Xtra Fastener and Piranha Xtra Plate installed through to engage existing deck	12-inch o.c.	5.5-inch	115-inch o.c.	1.5-inch outside	-37.5
R-76	Existing steel deck	Sure-Weld AFX or Sure-Weld FleeceBACK	Carlisle HP-X Fastener and Piranha Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-52.5
R-77	Existing steel deck	Sure-Weld AFX or Sure-Weld FleeceBACK	Carlisle HP-Xtra Fastener and Piranha Xtra Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
R-78	Existing steel deck, min. Grade 80	Sure-Weld AFX or Sure-Weld FleeceBACK	Carlisle HP-X Fastener and Piranha Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
R-79	Existing steel deck, min. Grade 80	Sure-Weld AFX or Sure-Weld FleeceBACK	Carlisle HP-X Fastener and Piranha Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	91-inch o.c.	1.5-inch outside	-60.0
R-80	Existing steel deck, min. Grade 80	Sure-Weld AFX 155 or Sure-Weld FleeceBACK 135	Carlisle HP-Xtra Fastener and Piranha Xtra Plate installed through to engage existing deck	12-inch o.c.	5-inch	91-inch o.c.	1.5-inch outside	-60.0
R-81	Existing structural concrete	Sure-Weld AFX or Sure-Weld FleeceBACK	Carlisle HD 14-10 Fastener and Piranha Plate installed through to engage existing deck	12-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-30.0
R-82	Existing structural concrete	Sure-Weld AFX or Sure-Weld FleeceBACK	Carlisle HD 14-10 or CD-10 Fastener and Piranha Plate installed through to engage existing deck Plate	6-inch o.c.	5.5-inch	139-inch o.c.	1.5-inch outside	-37.5
R-83	Existing structural concrete	Sure-Weld AFX or Sure-Weld FleeceBACK	Carlisle HD 14-10 Fastener and Piranha Plate installed through to engage existing deck	12-inch o.c.	5.5-inch	115-inch o.c.	1.5-inch outside	-37.5
R-84	Existing structural concrete	Sure-Weld AFX or Sure-Weld FleeceBACK	Carlisle HD 14-10 Fastener and Piranha Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	138.5-inch o.c.	1.5-inch outside	-60.0
R-85	Existing structural concrete	Sure-Weld AFX or Sure-Weld FleeceBACK	Carlisle HD 14-10 or CD-10 Fastener and Piranha Plate installed through to engage existing deck	6-inch o.c.	5.5-inch	91-inch o.c.	1.5-inch outside	-60.0

TABLE 7G: RECOVER APPLICATIONS
SYSTEM TYPE F-1: NON-INSULATED, BONDED ROOF COVER

^A 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 (Note 1, Note 12)	Roof Cover (Note 15)		MDP (psf) ^A
		Type	Attach	
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (PARTIAL BOND):				
R-86	Existing, fully-adhered EPDM	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 12)	-30.0
R-87	Existing, fully-adhered EPDM	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 6)	-75.0
R-88	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (RIBBON, 6-inch o.c.)	-177.0
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):				
R-89	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-177.0
R-90	Existing fully adhered TPO single ply	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-270.0
R-91	Existing, fully-adhered EPDM	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-315.0
R-92	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR) or granule-surfaced modified bitumen	Sure-Weld AFX	Hot Asphalt	-367.5
R-93	Existing fully adhered, granule-surfaced asphalt built-up roof (BUR), smooth-surfaced asphalt built-up roof (BUR), granule-surfaced APP or SBS modified bitumen or smooth-surfaced SBS modified bitumen	Sure-Weld FleeceBACK	Flexible FAST DT (FULL)	-635.0
R-94	Existing spray-applied polyurethane foam (SPUF) roof with existing acrylic roof coating; scarify surface in accordance with report holder’s requirements.	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL, splatter-applied)	-1057.5
R-95	Existing spray-applied polyurethane foam (SPUF) roof; scarify surface in accordance with report holder’s requirements.	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL, splatter-applied)	-1247.5

TABLE 7H: RECOVER APPLICATIONS
SYSTEM TYPE F-2: NEW LIGHTWEIGHT CONCRETE OVER EXISTING ROOF, BONDED ROOF COVER

^A The reported MDP documents the allowable maximum design pressure of the new LWC 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, Note 12)	Lightweight Concrete	Roof Cover (Note 15)		MDP (psf) ^A
			Type	Attach	
SURE-WELD OR SURE-WELD HS MEMBRANE APPLICATIONS:					
R-96	Existing gravel surface BUR	CELCORE (FL2037): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete or Celcore MF Cellular Concrete (EPS board optional)	Sure-Weld	Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-75.0
R-97	Existing mineral surface cap sheet, smooth surface BUR or smooth surface modified cap sheet	CELCORE (FL2037): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)	Sure-Weld	Aqua Base 120	-82.5
R-98	Existing mineral surface cap sheet, smooth surface BUR or smooth surface modified cap sheet	CELCORE (FL2037): Min. 300 psi, Min. 2-inch thick, Celcore Cellular Concrete (EPS board optional)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-135.0
R-99	Existing mineral surface cap sheet	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	Sure-Weld	Aqua Base 120, CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-135.0
R-100	Existing smooth surface BUR or smooth surface modified cap sheet	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	Sure-Weld	Aqua Base 120	-217.5
R-101	Existing smooth surface BUR or smooth surface modified cap sheet	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 300 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-262.5
R-102	Existing asphalt BUR	CONCRECEL (FL5584 & FL10500): Min. 350 psi, min. 2-inch thick, Concrecel Lightweight Insulating Concrete (EPS board optional)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-375.0
R-103	Existing asphalt BUR or smooth- or granule-surface SBS modified bitumen	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	Sure-Weld	Aqua Base 120	-67.5
R-104	Existing asphalt BUR or granule-surface SBS modified bitumen	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-302.5
R-105	Existing asphalt BUR or smooth-surface SBS modified bitumen	ELASTIZELL (NOA 23-0817.05): Min. 250 psi, Min. 2-inch thick, Elastizell Range II LWIC (EPS board optional)	Sure-Weld	CAV-GRIP III AP, LVOC BA or Sure-Weld BA	-342.0
SURE-WELD FLEECEBACK MEMBRANE APPLICATIONS (FULL BOND):					
R-106	Existing gravel surface BUR	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-75.0
R-107	Existing mineral surface cap sheet	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-135.0
R-108	Existing smooth surface BUR or smooth surface modified cap sheet	CELCORE (FL2037): Min. 36 pcf wet cast density, min. 200 psi, min. 2-inch thick Celcore MF Cellular Concrete (EPS board optional).	Sure-Weld FleeceBACK	Flexible FAST or Flexible FAST DT (FULL)	-232.5
R-109	Existing asphalt BUR or smooth- or granule-surface SBS modified bitumen	ELASTIZELL (NOA 23-0817.05): Min. 320 psi, min. 2-inch thick, Elastizell Range II LWIC (EPS optional board)	Sure-Weld FleeceBACK	Flexible FAST (FULL)	-250.0

TABLE 8A: HILTI PART / SUPPORT THICKNESS LIMITATIONS¹

HILTI PART	STEEL SUPPORTING MEMBER THICKNESS (INCH)
X-ENP-19 L15, X-ENP-19 L15MX or X-ENP-19 L15MXR	$t \geq 0.25$
X-EDN19 THQ12 or X-EDN19 THQ12M	$0.25 \leq t \leq 0.375$
X-EDNK22 THQ12 or X-EDNK22 THQ12M	$t = 0.25$
X-HSN 24	$0.125 \leq t \leq 0.375$
S-MD 12-24 x 1-5/8 M HWH5	$0.125 < t \leq 0.25$

TABLE 8B: HILTI PART / TYPE B STEEL DECK ATTACHMENT-SPAN LIMITATIONS¹

HILTI PART	MAX. SPACING (INCH O.C.)	MAX. ALLOWABLE DESIGN PRESSURE (PSF)	MAX. SPAN (INCHES)					
			Min. 22 ga. steel		Min. 20 ga. steel		Min. 18 ga. steel	
			Min. 33 ksi	Min. 80 ksi	Min. 33 ksi	Min. 80 ksi	Min. 33 ksi	Min. 80 ksi
X-ENP-19 L15 X-ENP-19 L15MX X-ENP-19 L15MXR X-EDN19 THQ12 X-EDN19 THQ12M X-EDNK22 THQ12 X-EDNK22 THQ12M X-HSN 24 or S-MD 12-24 x 1-5/8 M HWH5	12	-45.0	72	72	72	72	72	72
	6	-82.5*	72	72	72	72	72	72
	6	-90.0*	68	72	72	72	72	72
	6	-97.5*	63	72	72	72	72	72
	6	-105.0*	59	72	72	72	72	72
	6	-112.5*	55	72	67	72	72	72
	6	-120.0*	51	72	63	72	72	72
	6	-127.5*	48	72	59	72	72	72
	6	-135.0*	45	72	56	72	72	72
	6	-142.5*	43	72	53	72	72	72
	6	-150.0*	41	72	50	72	69	72
	6	-157.5*	39	71	48	72	65	72
	6	-165.0*	37	68	46	72	62	72
	6	-165.0*	35	65	44	72	60	71
	6	-172.5*	34	62	42	72	57	68
	6	-180.0*	33	60	40	72	55	65
	6	-187.5*	31	57	39	71	53	62
	6	-195.0*	30	55	37	68	51	60
	6	-202.5*	29	53	36	66	49	58
	6	-210.0*	28	51	36	63	47	56
	6	-217.5*	27	50	33	61	46	54
	6	-225.0*	26	48	32	59	44	52

*Limited to fully or partially adhered roof coverings.

¹ Information is provided as guidance for use at the discretion of the Designer or Record and Authority Having Jurisdiction. Neither NEMO|etc. nor Robert Nieminen, P.E. purport to evaluate Hilti fasteners for compliance with the Florida Building Code.