



**EVALUATION REPORT**

**FLORIDA BUILDING CODE, 8<sup>TH</sup> EDITION (2023)**

**Manufacturer:** JOHNS MANVILLE CORPORATION  
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 Denver, CO 80217  
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Issued May 6, 2024

**Manufacturing Plants:** Pawtucket, RI  
 Lancaster, SC

**Quality Assurance:** UL LLC (QUA9625)

**SCOPE**

**Category:** Roofing  
**Subcategory:** Single Ply Roof System  
**Code Edition:** Florida Building Code, 8<sup>th</sup> Edition (2023)  
**Code Sections:** 1504.3.1, 1504.6, 1504.7, 1507.12  
**Properties:** Wind Resistance, Physical Properties, Impact Resistance

**PRODUCT DESCRIPTION**

Products	Specification	Description
JM PVC-50 mil	ASTM D 4434	Nominal 50-mil thick polyvinyl chloride with DuPont™ Elvaloy KEE single-ply roof membrane with polyester scrim reinforcement
JM PVC-60 mil	ASTM D 4434	Nominal 60-mil thick polyvinyl chloride with DuPont™ Elvaloy KEE single-ply roof membrane with polyester scrim reinforcement
JM PVC-80 mil	ASTM D 4434	Nominal 80-mil thick polyvinyl chloride with DuPont™ Elvaloy KEE single-ply roof membrane with polyester scrim reinforcement
JM PVC FB-60 mil	ASTM D 4434	Nominal 60-mil thick polyvinyl chloride with DuPont™ Elvaloy KEE single-ply roof membrane with polyester scrim reinforcement and polyester fleece backing
JM PVC FB-80 mil	ASTM D 4434	Nominal 80-mil thick polyvinyl chloride with DuPont™ Elvaloy KEE single-ply roof membrane with polyester scrim reinforcement and polyester fleece backing
JM PVC SD Plus-50 mil	ASTM D 4434	Nominal 50-mil thick polyvinyl chloride single-ply roof membrane with polyester scrim reinforcement
JM PVC SD Plus-60 mil	ASTM D 4434	Nominal 60-mil thick polyvinyl chloride single-ply roof membrane with polyester scrim reinforcement
JM PVC SD Plus-80 mil	ASTM D 4434	Nominal 80-mil thick polyvinyl chloride single-ply roof membrane with polyester scrim reinforcement
JM PVC SD Plus FB-60 mil	ASTM D 4434	Nominal 60-mil thick polyvinyl chloride single-ply roof membrane with polyester scrim reinforcement and polyester fleece backing
JM PVC SD Plus FB-80 mil	ASTM D 4434	Nominal 80-mil thick polyvinyl chloride single-ply roof membrane with polyester scrim reinforcement and polyester fleece backing
JM PVC SL-50 mil	ASTM D 4434	Nominal 50-mil thick polyvinyl chloride single-ply roof membrane with polyester scrim reinforcement for mechanically attached membrane applications only
JM PVC SL-60 mil	ASTM D 4434	Nominal 60-mil thick polyvinyl chloride single-ply roof membrane with polyester scrim reinforcement for mechanically attached membrane applications only
JM PVC SL-80 mil	ASTM D 4434	Nominal 80-mil thick polyvinyl chloride single-ply roof membrane with polyester scrim reinforcement for mechanically attached membrane applications only



**REFERENCES**

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<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-026	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-027	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-028	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-029	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-030	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-031	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-032	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-033	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-034	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-035	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-036	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-037	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-038	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-039	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-040	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-041	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-042	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-043	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-044	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-045	TAS 114(D) (2011)
Atlantic & Caribbean Roof Consulting (TST4671)	ACRC 14-046	TAS 114(D) (2011)
FM Approvals (TST1867)	3009502	FM 4470 (2016)
FM Approvals (TST1867)	3012321	FM 4470 (2016)
FM Approvals (TST1867)	3014692	FM 4470 (2016)
FM Approvals (TST1867)	3014751	FM 4470 (2016)
FM Approvals (TST1867)	3015444	FM 4470 (2016)
FM Approvals (TST1867)	3016629	FM 4470 (2016)
FM Approvals (TST1867)	3018579	FM 4450 (1989)
FM Approvals (TST1867)	3018807	FM 4470 (2016)
FM Approvals (TST1867)	3025168	FM 4470 (2016)
FM Approvals (TST1867)	3025170	FM 4470 (2016)
FM Approvals (TST1867)	3025245	FM 4470 (2016)
FM Approvals (TST1867)	3025881	FM 4470 (2016)
FM Approvals (TST1867)	3028040	FM 4470 (2016)
FM Approvals (TST1867)	3030259	FM 4470 (2016)
FM Approvals (TST1867)	3030351	FM 4470 (2016)
FM Approvals (TST1867)	3030383	FM 4470 (2016)
FM Approvals (TST1867)	3031670	FM 4470 (2016)
FM Approvals (TST1867)	3033308	FM 4470 (2016)
FM Approvals (TST1867)	3035191	FM 4470 (2016)
FM Approvals (TST1867)	3035538	FM 4470 (2016)
FM Approvals (TST1867)	3037110	FM 4470 (2016)
FM Approvals (TST1867)	3037540	FM 4450 (1989)
FM Approvals (TST1867)	3039813	FM 4470 (2016)
FM Approvals (TST1867)	3040105	FM 4470 (2016)
FM Approvals (TST1867)	3043824	FM 4470 (2016)
FM Approvals (TST1867)	3044716	FM 4470 (2016)
FM Approvals (TST1867)	3046174	FM 4470 (2016)
FM Approvals (TST1867)	3051609	FM 4470 (2016)
FM Approvals (TST1867)	3052787	FM 4470 (2016)
FM Approvals (TST1867)	3053026	FM 4470 (2016)
FM Approvals (TST1867)	3055227	FM 4470 (2016)
FM Approvals (TST1867)	3055491	FM 4470 (2016)
FM Approvals (TST1867)	3055845	FM 4470 (2016)
FM Approvals (TST1867)	3056049	FM 4470 (2016)
FM Approvals (TST1867)	3056303	FM 4470 (2016)
FM Approvals (TST1867)	3056677	FM 4470 (2016)
FM Approvals (TST1867)	3058201	FM 4470 (2016)
FM Approvals (TST1867)	3058326	FM 4470 (2016)
FM Approvals (TST1867)	3058374	FM 4470 (2016)
FM Approvals (TST1867)	3059030	FM 4470 (2016)
FM Approvals (TST1867)	3059662	FM 4470 (2016)
FM Approvals (TST1867)	3060138	FM 4470 (2016)

<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>
FM Approvals (TST1867)	3060573	FM 4470 (2016)
FM Approvals (TST1867)	3060614	FM 4470 (2016)
FM Approvals (TST1867)	3061218	FM 4470 (2016)
FM Approvals (TST1867)	3061328	FM 4470 (2016)
FM Approvals (TST1867)	3062897	FM 4470 (2016)
FM Approvals (TST1867)	3063554	FM 4470 (2016)
FM Approvals (TST1867)	3014692	FM 4470 (2016)
FM Approvals (TST1867)	3014692	FM 4470 (2016)
FM Approvals (TST1867)	3018732	FM 4470 (2016)
FM Approvals (TST1867)	3056207	FM 4470 (2016)
FM Approvals (TST1867)	PR449524	FM 4470 (2016)
FM Approvals (TST1867)	PR450753	FM 4470 (2016)
FM Approvals (TST1867)	PR451795	FM 4470 (2016)
FM Approvals (TST1867)	PR452385	FM 4470 (2016)
FM Approvals (TST1867)	PR452580	FM 4470 (2016)
FM Approvals (TST1867)	PR453724	FM 4470 (2016)
FM Approvals (TST1867)	PR454134	FM 4470 (2016)
FM Approvals (TST1867)	PR454134	FM 4470 (2016)
FM Approvals (TST1867)	PR454135	FM 4470 (2016)
FM Approvals (TST1867)	PR454167	FM 4470 (2016)
FM Approvals (TST1867)	PR454270	FM 4470 (2016)
FM Approvals (TST1867)	PR454361	FM 4470 (2016)
FM Approvals (TST1867)	PR454859	FM 4470 (2016)
FM Approvals (TST1867)	PR454859	FM 4470 (2016)
FM Approvals (TST1867)	PR455344	FM 4470 (2016)
FM Approvals (TST1867)	PR455671	FM 4470 (2016)
FM Approvals (TST1867)	PR455897	FM 4470 (2016)
FM Approvals (TST1867)	PR456300	FM 4470 (2016)
FM Approvals (TST1867)	PR457305	FM 4470 (2016)
FM Approvals (TST1867)	PR459421	FM 4470 (2016)
FM Approvals (TST1867)	PR459758	FM 4470 (2016)
FM Approvals (TST1867)	PR460141	FM 4470 (2016)
FM Approvals (TST1867)	PR460477	FM 4470 (2016)
FM Approvals (TST1867)	PR460648	FM 4470 (2016)
FM Approvals (TST1867)	PR461495	FM 4470 (2016)
FM Approvals (TST1867)	RR227071	FM 4470 (2016)
FM Approvals (TST1867)	RR228007	FM 4470 (2016)
FM Approvals (TST1867)	RR229340	FM 4470 (2016)
FM Approvals (TST1867)	RR230933	FM 4470 (2016)
FM Approvals (TST1867)	RR232432	FM 4470 (2016)
FM Approvals (TST1867)	RR232748	FM 4470 (2016)
FM Approvals (TST1867)	RR233717	FM 4470 (2016)
FM Approvals (TST1867)	RR234327	FM 4470 (2016)
FM Approvals (TST1867)	RR452580	FM 4470 (2016)
FM Approvals (TST1867)	RR231522	FM 4470 (2016)
FM Approvals (TST1867)	RR231523	FM 4470 (2016)
FM Approvals (TST1867)	RR235241	FM 4470 (2016)
FM Approvals (TST1867)	3062025	FM 4470 (2016)
FM Approvals (TST1867)	RR234750	FM 4470 (2016)
FM Approvals (TST1867)	PR460141	FM 4470 (2016)
FM Approvals (TST1867)	RR236704	FM 4470 (2016)
FM Approvals (TST1867)	PR457312	FM 4470 (2016)
FM Approvals (TST1867)	3055845	FM 4470 (2016)
FM Approvals (TST1867)	3058300	FM 4470 (2016)
FM Approvals (TST1867)	RR240136	FM 4470 (2016)
FM Approvals (TST1867)	PR465548	FM 4470 (2016)
Intertek – York (ATI) (TST1558)	J0079.01-109-18	FM 4474 (2011); UL 1897 (2015)
Intertek – York (ATI) (TST1558)	J0080.01-109-18	FM 4474 (2011); UL 1897 (2015)
Intertek – York (ATI) (TST1558)	J0082.01-109-18	FM 4474 (2011); UL 1897 (2015)
Intertek – York (ATI) (TST1558)	J0083.01-109-18	FM 4474 (2011); UL 1897 (2012)
Momentum Technologies (TST2508)	CX23G3A	ASTM D 4434 (2015)
Momentum Technologies (TST2508)	NX21J0A	ASTM D 4434 (2015)
Momentum Technologies (TST2508)	NX21J0B	ASTM D 4434 (2015)
Momentum Technologies (TST2508)	NX21J0C	ASTM D 4434 (2015)
Nemoj Etc LLC (TST6049)	4a-CEL-22-LSWUS-.01A	FM 4474(B) (2011)
Nemoj Etc LLC (TST6049)	4a-JM-23-LSWUS-03.A	FM 4474(D) (2011)

Entity	Report No.	Standard
Nemoj Etc LLC (TST6049)	4a-JM-23-LSWUS-02.A	UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	JMC-086-02-01	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-088-02-01	ASTM D 1876 (2008); TAS 117(B) (1995)
PRI Construction Materials Technologies (TST5878)	JMC-088-02-01.8	ASTM D 1876 (2008); TAS 117(A&B) (1995); TAS 114 (2011); FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-088-02-01.9	ASTM D 1876 (2008); TAS 117(A&B) (1995); TAS 114 (2011); FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-107-02-01 Rev 4	ASTM D 903 (1998); ASTM D 1876 (2008); ASTM D 5147 (2011a); TAS 117(A&B) (1995); TAS 114(C) (1995)
PRI Construction Materials Technologies (TST5878)	JMC-108-02-01	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-109-02-01	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-114-02-01	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-131-02-01	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-132-02-01	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-132-02-02	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-141-02-01	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-143-02-01	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-162-02-01	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-163-02-01	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-168-02-01	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-193-02-01	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-193-02-01A	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-196-02-01	TAS 117(A&B) (1995)
PRI Construction Materials Technologies (TST5878)	JMC-201-02-01A	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-201-02-01B	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-205-02-01	ASTM D 3746 [(1985(2015)e]1
PRI Construction Materials Technologies (TST5878)	JMC-209-02-01	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-225-02-01	FM 4474 (2011)
PRI Construction Materials Technologies (TST5878)	JMC-242-02-01	FM 4474(D) (2011)
PRI Construction Materials Technologies (TST5878)	JMC-245-02-02	FM 4474(B) (2011)
PRI Construction Materials Technologies (TST5878)	JMC-246-02-01	FM 4474(B) (2011)
PRI Construction Materials Technologies (TST5878)	JMC-267-02-02	FM 4474(B) (2011)
PRI Construction Materials Technologies (TST5878)	JMC-277-02-01	FM 4474(B) (2011)
PRI Construction Materials Technologies (TST5878)	JMC-278-02-01A	FM 4474(C) (1995)
PRI Construction Materials Technologies (TST5878)	JMC-278-02-02	FM 4474(D) (2011); UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	JMC-278-02-03	FM 4474(D) (2011)
PRI Construction Materials Technologies (TST5878)	JMC-303-02-01	FM 4474(D) (2011); UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	JMC-306-02-01	FM 4474(B) (2011)
PRI Construction Materials Technologies (TST5878)	JMC-306-02-02	FM 4474(D) (2011); UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	JMC-306-02-03	FM 4474(D) (2011); UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	JMC-311-02-01	FM 4474(B) (2011)
PRI Construction Materials Technologies (TST5878)	JMC-339-02-03	ASTM C 1289 (2018); ASTM E 84 (2018b)
PRI Construction Materials Technologies (TST5878)	JMC-339-02-04	ASTM C 1289 (2018); ASTM E 84 (2018b)
PRI Construction Materials Technologies (TST5878)	JMC-343-02-01	FM 4474(D) (2011); UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	JMC-343-02-01	ASTM D 413 (1998(2017)); TAS 117(B) (1995)
PRI Construction Materials Technologies (TST5878)	JMC-353-02-01	FM 4474(D) (2011); UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	JMC-354-02-01	FM 4474(D) (2011); UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	JMC-360-02-01	FM 4474(D) (2011); UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	410T0019	FM 4474(D) (2011); UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	410T0026	FM 4474(D) (2011); UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	507T0008	FM 4474(D) (2011); UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	507T0019	ASTM D 1970/D 1970M (2017a)
PRI Construction Materials Technologies (TST5878)	507T0019	ASTM D 2178 (2015a)
PRI Construction Materials Technologies (TST5878)	507T0009	FM 4474(C) (2011)
PRI Construction Materials Technologies (TST5878)	507T0031	FM 4474(C) (2011)
PRI Construction Materials Technologies (TST5878)	507T0031A.1	FM 4474(C) (2011)
PRI Construction Materials Technologies (TST5878)	507T0036	FM 4474(D) (2011); UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	507T0036B	FM 4474(D) (2011); UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	507T0059	FM 4474(D) (2011)
PRI Construction Materials Technologies (TST5878)	507T0062	FM 4474(D) (2011)
PRI Construction Materials Technologies (TST5878)	507T0095	FM 4474(B) (2011)
PRI Construction Materials Technologies (TST5878)	507T0096	FM 4474(C) (2011)
PRI Construction Materials Technologies (TST5878)	507T0112	FM 4474(D) (2011); UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	507T0114	FM 4474(C) (2011)



<u>Entity</u>	<u>Report No.</u>	<u>Standard</u>
PRI Construction Materials Technologies (TST5878)	507T0141	FM 4474(B) (2011)
PRI Construction Materials Technologies (TST5878)	507T0142	FM 4474(B) (2011)
PRI Construction Materials Technologies (TST5878)	507T0193	FM 4474(D) (2011)
PRI Construction Materials Technologies (TST5878)	410T0020.1	FM 4474(C) (2011)
PRI Construction Materials Technologies (TST5878)	507T0164	FM 4474(C) (2011)
PRI Construction Materials Technologies (TST5878)	507T0187.2	FM 4470 (2016); TAS 117(A&B) (1995)
PRI Construction Materials Technologies (TST5878)	507T0234.1	FM 4474(D) (2011)
PRI Construction Materials Technologies (TST5878)	507T0256A	FM 4474(C) (2011)
PRI Construction Materials Technologies (TST5878)	507T0256B	FM 4474(C) (2011)
PRI Construction Materials Technologies (TST5878)	507T0273	FM 4474(C) (2011)
PRI Construction Materials Technologies (TST5878)	507T0277	FM 4474(C) (2011)
PRI Construction Materials Technologies (TST5878)	507T0302	FM 4474 (D)(2011)
PRI Construction Materials Technologies (TST5878)	507T0303	FM 4474 (D)(2011)
PRI Construction Materials Technologies (TST5878)	507T0306.1	FM 4474 (D)(2011)
PRI Construction Materials Technologies (TST5878)	507T0320	FM 4474(C) (2011)
PRI Construction Materials Technologies (TST5878)	507T0326B	FM 4474(B) (2011)
PRI Construction Materials Technologies (TST5878)	507T0331	FM 4474(C) (2011)
PRI Construction Materials Technologies (TST5878)	507T0336	FM 4474(B) (2011)
PRI Construction Materials Technologies (TST5878)	507T0339	FM 4474(D) (2011)
PRI Construction Materials Technologies (TST5878)	507T0355A.1	FM 4474 (D)(2011)
PRI Construction Materials Technologies (TST5878)	507T0345B.1	FM 4474(B) (2011)
PRI Construction Materials Technologies (TST5878)	507T0345A	FM 4474(B) (2011)
PRI Construction Materials Technologies (TST5878)	507T0355B	FM 4474(D)(2011)
PRI Construction Materials Technologies (TST5878)	507T0355A.1	FM 4474(D)(2011)
PRI Construction Materials Technologies (TST5878)	507T0344	UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	507T0385	FM 4474(D)(2011)
PRI Construction Materials Technologies (TST5878)	507T0406	FM 4474(B)(2011)
PRI Construction Materials Technologies (TST5878)	507T0407A	FM 4474(D)(2011)
PRI Construction Materials Technologies (TST5878)	507T0407B	UL 1897 (2015)
PRI Construction Materials Technologies (TST5878)	507T0410.1	FM 4474(C)(2011)
PRI Construction Materials Technologies (TST5878)	507T0411	FM 4474(C)(2011)
PRI Construction Materials Technologies (TST5878)	507T0414	ASTM D 903 (1998)
PRI Construction Materials Technologies (TST5878)	507T0424	FM 4474(B)(2011)
PRI Construction Materials Technologies (TST5878)	507T0426	FM 4474(C)(2011)
PRI Construction Materials Technologies (TST5878)	507T0428	FM 4474(D)(2011)
PRI Construction Materials Technologies (TST5878)	507T0429	FM 4474(B)(2011)
PRI Construction Materials Technologies (TST5878)	1702T0010	ASTM D 4434 (2015)
PRI Construction Materials Technologies (TST5878)	507T0376	ASTM D 1876 (2008)
PRI Construction Materials Technologies (TST5878)	507T0400	ASTM D 1876 (2008)
NEMO etc (TST6049)	4a-CEL-LSWUS-01.C	FM 4474(D) (2011)
Trinity ERD (TST6049)	SC4910	FM 4474 (2011)
Trinity ERD (TST6049)	SFS-SC10010.02.16-R1	FM 4474(D) (2011); UL 1897 (2015)
Trinity ERD (TST6049)	JM-SC13465.04.17	FM 4474(C) (2011)
Trinity ERD (TST6049)	SC7565.02.15	FM 4474(D) (2011)

**LIMITATIONS**

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1. This report is not for use in the HVHZ
2. Fire classification is not within the scope of this evaluation.
3. Foam plastic insulation shall be separated from the building interior in accordance with the FBC 2603.4 and 2603.6.
4. The roof deck and the roof deck attachment information are provided based on testing. FBC requirements for the rational design of the roof deck, including the attachment, are not within the scope of this evaluation.
5. Installation of the evaluated products shall comply with this report, the FBC, and the manufacturer's published application instructions. Where discrepancies exist between these sources, the more restrictive and FBC compliant installation detail shall prevail.
6. The minimum roof slope shall be 1/4:12 for new construction.
7. For assemblies containing mechanical attachment or adhered in ribbon-applied adhesive, the allowable uplift pressure for the selected assembly shall meet or exceed the minimum design loads as determined in accordance with the FBC Chapter 16. The attachment density may be increased by a qualified design professional, as necessary, to meet the design pressure requirements in the periphery zones. Calculations shall be conducted in compliance with RAS 117, RAS 137, or Section 2.2.10.1 FM LPDS 1-29 (July 2022).
8. Reroofing applications shall be examined in accordance with FBC Section 1511. For mechanically fastened systems, a field withdrawal resistance test (ANSI/SPRI FX-1 or TAS 105) shall be conducted by a qualified professional to ensure the fastener meets the minimum design load requirements of the system. For adhered systems, a field uplift resistance test (ASTM E 907, FM LPDS 1-52, ANSI/SPRI IA-1, or TAS 124) shall be conducted to confirm conformance of the existing to the minimum design loads.
9. For assemblies adhered in ribbon-applied adhesive, the allowable uplift pressure for the selected assembly shall meet or exceed the minimum design loads as determined in accordance with the FBC Chapter 16. The attachment density may be increased by a qualified design professional, as necessary, to meet the design pressure requirements in the periphery zones. Calculations shall be conducted in compliance with Section 2.2.10.1 FM LPDS 1-29 (July 2022).
10. All products listed in this report shall be manufactured under a quality assurance program in compliance with Rule 61G20-3.

### COMPLIANCE STATEMENT

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The products evaluated herein by Zachary R. Priest, P.E. have demonstrated compliance with the Florida Building Code, 8<sup>th</sup> Edition (2023) as evidenced in the referenced documents submitted by the named manufacturer.



**This item has been digitally signed and sealed by Zachary R. Priest, PE, on 5/6/2024.**

**Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.**

Zachary R. Priest, P.E.  
Florida Registration No. 74021  
Organization No. ANE9641

### CERTIFICATION OF INDEPENDENCE

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CREEK Technical Services, LLC does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

CREEK Technical Services, LLC is not owned, operated, or controlled by any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, nor will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

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### APPENDICES

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- 1) [APPENDIX A](#) – Installation (8 pages)
- 2) [APPENDIX B](#) – Nomenclature (6 pages)
- 3) [APPENDIX C](#) – Approved Assemblies for JM PVC Single-Ply Membranes (80 pages)

**APPENDIX A - INSTALLATION**

**INSTALLATION**

Note - Refer to the [APPROVED ASSEMBLIES](#) section of this report for specific installation details of a selected assembly.

Unless otherwise specified in this report the following installation details shall be met for the named products:

Component	Product	Installation Detail
Fasteners, Battens & Plates	JM 90 Seam Plates	3-inch diameter; Galvalume steel plate with eyehooks
	JM All Purpose Fastener	#14 fasteners; Min. 3/4-inch penetration through the top rib of the steel deck or wood deck; Min. 1-inch penetration into concrete deck
	JM APB Plates	2-inch diameter; Galvalume steel plate with reinforcing ribs and barbs
	JM Extra High Load Fastener	#21 fastener; Min. 3/4-inch penetration through the top rib of the steel deck;
	JM Extra High Load Plates	3-inch diameter; Galvalume steel plate with eyehooks
	JM High Load Plates	2 3/8-inch diameter; Galvalume steel plate with eyehooks
	JM High Load Plus Plates	2 3/4-inch diameter; Galvalume steel plate with barbs
	JM High Load Fastener	#15 fastener; Min. 3/4-inch penetration through the top rib of the steel deck or wood deck;
	JM High Load LH Fastener	#15 fastener with oversized head; Min. 3/4-inch penetration through the top rib of the steel deck or wood deck;
	JM UltraFast Fastener	#12 fastener; Min. 3/4-inch penetration through the top rib of the steel deck or wood deck
	JM UltraFast Metal Plate (Round) or UltraFast Plate Metal Recessed	3-inch diameter round; Galvalume steel plate; Only for use with the following products: ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 FR, ENRGY 3 C1, ENRGY 3 C1 CGF, Retro-Fit, SeparatoR, SeparatoR CGF, SeparatoR CGF FR, DuraBoard, DuraFoam, Fesco, and Fesco Foam
	JM UltraFast Metal Plate (Square) or UltraFast Plate Metal Flat	3-inch square; Galvalume steel plate
	JM UltraLok Fastener	Min. 1.8-inch galvanized steel tube and coated-steel locking staple pre-assembled with 2.7-inch diameter Galvalume steel plate
	JM Polymer Membrane Batten	Membrane anchors and plastic strips
	JM Purlin Fastener	Min. 3/4-inch penetration through purlin
	JM PVC RhinoPlate	Min. 3-inch diameter for PVC membranes; Induction welded in the field of membrane; welds not permitted at lap seams; For use only with bareback membrane
	JM Structural Concrete Deck Fastener	Concrete deck only; Min. 1-inch penetration into concrete deck
	OMG 3 in. Ribbed Galvalume Plate (Flat)	3-inch diameter round; Galvalume steel plate
	OMG #12 Standard Roofgrip	#12 fastener; Min. 3/4-inch penetration through the top rib of the steel deck or wood deck
	OMG CR Base Sheet Fastener	Base sheet fastener with 1.75-inch galvanized steel shank coated with CR-10 and integrated 2.75-inch diameter Galvalume plate.
OMG XHD	#15 fastener; Min. 3/4-inch penetration through the top rib of the steel deck or wood deck;	
SFS Intec Dekfast DF-#12-PH3 Fastener	#12 fasteners; Min. 3/4-inch penetration through the top rib of the steel deck or wood deck;	
SFS Intec Dekfast DF-#14-PH3 Fastener	#15 fasteners; Min. 3/4-inch penetration through the top rib of the steel deck or wood deck; Min. 1-inch penetration into concrete deck	
SFS Intec Dekfast DF-#15-PH3 Fastener	#15 fasteners; Min. 3/4-inch penetration through the top rib of the steel deck or wood deck; Min. 1-inch penetration into concrete deck	
SFS Intec Dekfast PLT-H-2-7/8	2-7/8" hexagonal galvalume steel stress plate	
SFS Intec Dekfast PLT-R-3	3-inch diameter round; Galvalume steel plate	



**APPENDIX A - INSTALLATION**

Component	Product	Installation Detail
Fasteners, Battens & Plates (Cont'd)	SFS Intec FI-P-6.8-PVC	Min. 3-inch diameter for PVC membranes; Induction welded in the field of membrane; welds not permitted at lap seams; For use only with min. 60 mil thick bareback membrane
	Trufast 3" Metal Insulation Plate	3-inch diameter round; Galvalume steel plate
	Trufast #12 Purlin Fastener	Installed into min. 16ga. steel purlins
	Trufast #12 DP Fastener	#12 fasteners; Min. 3/4-inch penetration through the top rib of the steel deck or wood deck;
	Trufast #14 HD Fastener	#14 fasteners; Min. 3/4-inch penetration through the top rib of the steel deck or wood deck; Min. 1-inch penetration into concrete deck
	Trufast #15 EHD Fastener	#15 fasteners; Min. 3/4-inch penetration through the top rib of the steel deck or wood deck;
	Trufast Fluted Concrete Nails	Concrete deck only
	Trufast Deep Well Batten Bar	Galvalume steel membrane batten with recessed holes
	Trufast Straight Line Batten Bar	Galvalume steel membrane batten for use with Twin-Loc Nail without integrated plate
	Trufast Twin Loc-Nail	Min. 1.4-inch shank; Base sheet fastener with and without integrated 2.7-inch diameter plate.
	Trufast VERSA-FAST fastener	Min. 2 1/4-inch length; Min. 3/4-inch penetration through wood deck
Insulation Adhesives	JM MBR Bonding Adhesive	Fully adhered at a rate of 1.5-2.0 gal/100 ft <sup>2</sup>
	JM One-Step Foamable Adhesive	Ribbon adhered in 3/4 to 1-inch wide beads
	ICP Adhesives CR-20	
	OMG OlyBond 500	
	JM Two-Part Urethane Insulation Adhesive Canister or JM Two-Part UIA Canister	
	JM Two-Part Urethane Insulation Adhesive or JM Two-Part UIA	Ribbon adhered in 3/4 to 1-inch wide beads
	JM Roofing System Urethane Adhesive	
	JM Urethane Insulation Adhesive	Ribbon adhered in 1/2-inch wide beads
ASTM D 312, Type IV asphalt	Fully adhered within the EVT range at a rate of 25-40 lbs/100 ft <sup>2</sup>	
Insulation/Cover Boards	EPS	Min. 0.5-inch, min. 1.8 pcf (HVHZ) or min. 1.5 pcf (non-HVHZ) expanded polystyrene; Adhered boards shall be a maximum 4-ft x 4-ft
	Georgia-Pacific DensDeck	Min. 1/4-inch thick
	Georgia-Pacific DensDeck Prime	
	Georgia-Pacific DensDeck Storm X Prime	Min. 5/8-inch thick
	JM ENRGY 3	Min. 1/2-inch thick; Min. 20 psi; Adhered boards shall be a maximum 4 ft x 4 ft
	JM ENRGY 3 C1	
	JM ENRGY 3 AGF	
	JM ENRGY 3 CGF	
	JM ENRGY 3 C1 CGF	
	JM ENRGY 3 FR	Min. 3/4-inch thick; Min. 20 psi
	JM Fesco Board	
	JM Fesco Foam	Min. 1.5-inch thick; Min. 20 psi; Adhered boards shall be a maximum 4 ft x 4 ft
	JM InvinSA Roof Board	1/4-inch thick; Adhered boards shall be a maximum 4 ft x 4 ft
	JM InvinSA Foam Roof Board	
	JM InvinSA FR Roof Board	
JM ProtectoR Foam	Min. 2-inch thick; Min. 80psi top layer; Min. 20psi bottom layer; Adhered boards shall be a maximum 4 ft x 4 ft	
JM ProtectoR HD	1/2-inch thick; Min. 80 psi; Adhered boards shall be a maximum 4 ft x 4 ft	
JM ProtectoR HD FR		

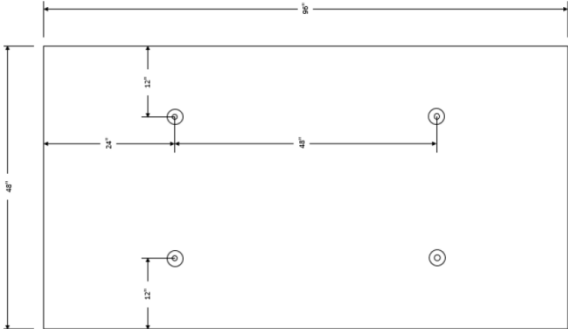
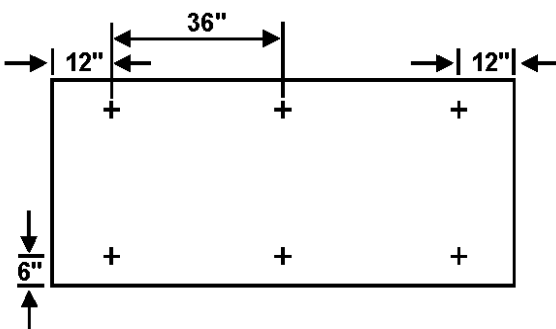
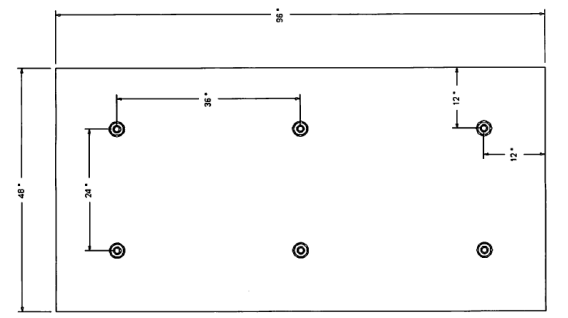
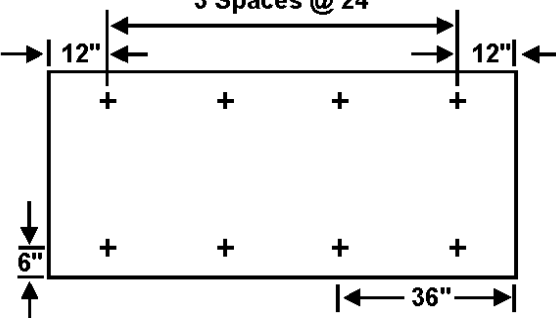
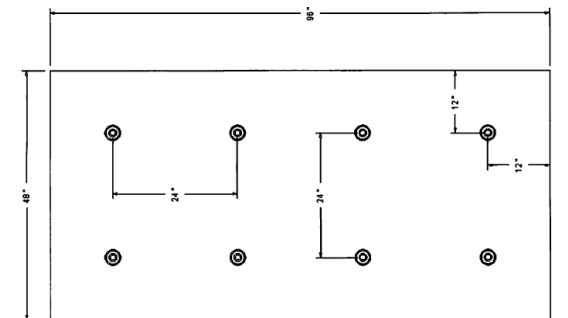
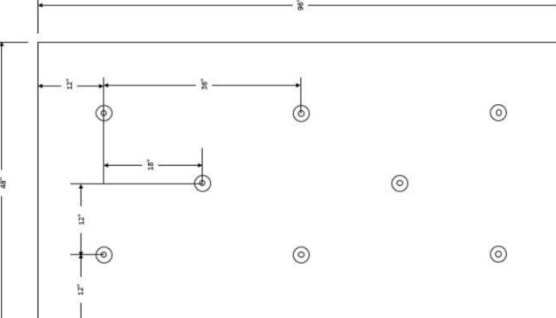
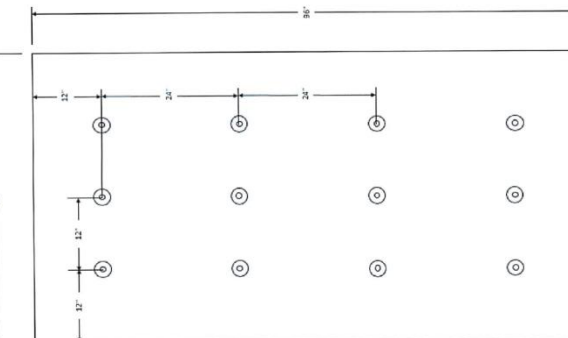
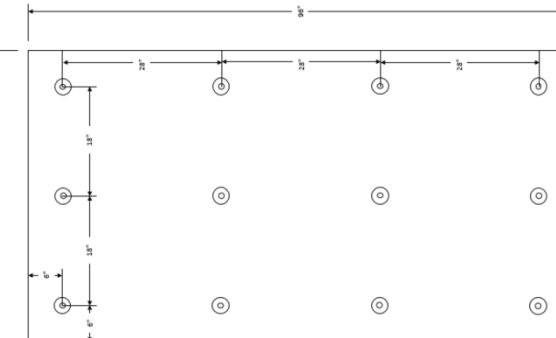
**APPENDIX A - INSTALLATION**

Component	Product	Installation Detail
Insulation/Cover Boards (Cont'd)	JM 1/2" Retro-Fit Board	1/2-inch thick; Adhered boards shall be a maximum 4 ft x 4 ft
	JM RetroPlus Roof Board	
	JM SECUROCK Glass-Mat Roof Board	Min. 1/4-inch thick
	JM SECUROCK Gypsum-Fiber Roof Board	
	JM SeparatoR	1/2-inch thick; Min. 25 psi; Adhered boards shall be a maximum 4 ft x 4 ft
	JM SeparatoR CGF	1/2-inch thick; Min. 25 psi; Adhered boards shall be a maximum 4 ft x 4 ft
	JM SeparatoR FR	
	National Gypsum DEXcell Cement Roof Board	Min. 7/16-inch thick; Adhered boards shall be a maximum 4 ft x 4 ft
	National Gypsum DEXcell Glass Mat Roof Board	Min. 1/4-inch thick
National Gypsum DEXcell FA Glass Mat Roof Board		
PVC Membrane Adhesives	ASTM D 312, Type IV asphalt	Fully adhered within the EVT range at a rate of 25-40 lbs/100 ft <sup>2</sup> ; For use only with JM PVC FB membranes only
	JM All Season Sprayable Bonding Adhesive	For JM PVC FB membranes only; The adhesive is applied both to the substrate and the underside of the membrane at a rate of 0.21-0.23 gal/100ft <sup>2</sup> for a total application rate of 0.41-0.47gal/100ft <sup>2</sup>
	JM PVC All Season Sprayable Bonding Adhesive	Fully adhered at rate of 500 ft <sup>2</sup> /canister; Applied simultaneously to underside of membrane and substrate; For use with JM PVC smooth backed membranes only
	JM PVC Membrane Adhesive (Low VOC)	Fully adhered at rate of 50-90 ft <sup>2</sup> /gal (1.1-2.0 gal/100ft <sup>2</sup> ); Applied simultaneously to underside of membrane and substrate; For use with JM PVC smooth backed membranes only
	JM PVC Water Based Membrane Adhesive	Bareback PVC shall be fully adhered in one-sided application applied to the substrate at a rate of 0.4-0.5 gal/100ft <sup>2</sup> ; Fleeceback PVC shall be fully adhered in one-sided application applied to the substrate at a rate of 0.6-0.8 gal/100ft <sup>2</sup>
	JM Roofing System Urethane Adhesive	Ribbon adhered in 1/2 to 3/4-inch wide beads; "Spatter" application applied at 0.55 to 0.75 gal/100ft <sup>2</sup> ; For use only with JM PVC FB membranes only
	JM Two-Part Urethane Insulation Adhesive, JM Two-Part UIA, JM Two-Part Urethane Insulation Adhesive Canister, or JM Two-Part UIA Canister	Applied in spatter pattern at a rate of 0.32 gal/100ft <sup>2</sup> or 1/2-inch wide beads; For use only with JM PVC FB membranes only
Board Primer	Detec Systems TruGround Conductive Primer	Applied at rate of 250ft <sup>2</sup> /gal
SA Primer	JM SA Primer Low VOC	Applied at rate of 0.5 gal/sq.
	JM SA Primer	Applied 0.75-1.25 gal/100ft <sup>2</sup> on porous surfaces and 0.25-0.75 gal/100ft <sup>2</sup> on nonporous surfaces
	JM All Season Sprayable Bonding Adhesive	Applied at rate of 500 ft <sup>2</sup> /canister
Vapor Barriers/ Ply Sheets	JM DynaBase HW	Min. 3-inch wide side-laps; Min. 6-inch end laps; Torch adhered to primed concrete deck
	JM DynaWeld Base	
	JM DynaBase	Min. 3-inch wide side-laps; Min. 6-inch end laps; Applied with hot or cold <i>approved</i> adhesives
	JM DynaBase PR	
	JM DynaLastic 180	
	JM DynaLastic 180 FR	
	JM DynaLastic 180 S	
	JM DynaLastic 250	
	JM DynaLastic 250 FR	
	JM DynaLastic 250 S	
JM DynaFast 180 S		

**APPENDIX A - INSTALLATION**

Component	Product	Installation Detail
Vapor Barriers/ Ply Sheets (Cont'd)	JM DynaMax	Min. 3-inch wide side-laps; Min. 6-inch end laps; Applied with hot or cold <i>approved</i> adhesives
	JM DynaMax FR	
	JM DynaGrip Base SD/SA	Min. 3-inch wide side-laps; Min. 6-inch end laps; Self-adhered
	JM DynaGrip Base PR SD/SA	
	JM Vapor Barrier SA	Self-adhered to primed wood, gypsum or concrete decks; Min. 3-inch sides laps; Min. 6-inch end laps
JM Vapor Barrier SAR	Self-adhered to primed wood, gypsum or concrete decks; Min. 3-inch sides laps; Min. 6-inch end laps	
Vapor Barrier/ Ply Sheet Adhesives	ASTM D 312, Type IV Asphalt	Fully adhered within the EVT range at a rate of 20-40 lbs/100 ft <sup>2</sup>
	JM DynaSet 1k	Min. 4-inch laps sealed at a rate of 1.5-2.0gal/100ft <sup>2</sup> ; Ribbon applications applied to substrate in 0.5-0.75-inch wide continuous ribbons; Fully adhered applications applied at a rate of 1.5-2.0 gal/100ft <sup>2</sup>
	JM DynaSet 2k	Min. 4-inch laps sealed at a rate of 1.5-2.0gal/100ft <sup>2</sup> ; Ribbon applications applied to substrate in 0.5-0.75-inch wide continuous ribbons;
	JM MBR Cold Application Adhesive	Fully adhered applications at a rate of 1.5-2.0 gal/100ft <sup>2</sup>
Base Sheets	JM DynaBase	Min. 3-inch wide side-laps; Min. 6-inch end laps; Applied with hot or cold <i>approved</i> adhesives
	JM DynaBase HW	Min. 3-inch wide side-laps; Min. 6-inch end laps; Torch adhered
	JM DynaFast 180 S	Min. 3-inch wide side-laps; Min. 6-inch end laps; Side-laps shall be installed perpendicular to the direction of the steel deck ribs and parallel to the direction of the wood trusses for mechanically attached systems
PVC Single-Ply Membranes	JM PVC-50 mil	Min. 2-inch wide side-laps with min. 1.5-inch wide heat weld for adhered systems; In-lap fastened systems shall have min. 6-inch wide side-laps with min. 1.5-inch wide heat weld; Side-laps shall be installed perpendicular to the direction of the steel deck ribs and parallel to the direction of the wood trusses for mechanically attached systems
	JM PVC-60 mil	
	JM PVC-80 mil	
	JM PVC FB-60 mil	
	JM PVC FB-80 mil	
	JM PVC SD Plus-50 mil	
	JM PVC SD Plus-60 mil	
	JM PVC SD Plus-80 mil	
	JM PVC FB SD Plus-60 mil	
	JM PVC FB SD Plus-80 mil	
	JM PVC SL-50 mil	Shall have min. 6-inch wide side-laps with min. 1.5-inch wide heat weld; Side-laps shall be installed perpendicular to the direction of the steel deck ribs and parallel to the direction of the wood trusses
JM PVC SL-60 mil		
JM PVC SL-80 mil		
Cellular Lightweight Insulating Concrete	Celcore MF with HS Rheology Admixture	Slurry coat min. 1/8-inch thick; 1-inch thick EPS board (1 lbs/ft <sup>3</sup> ); Min. 2-inch thick top coat; Celcore PVA curing compound applied at rate of 300 ft <sup>2</sup> /gal.
	Mearlcrete	Slurry coat min. 1/8-inch thick; 1" thick EPS board (1 lbs/ft <sup>3</sup> ); Min. 2-inch thick top coat;
	Elastizell	
	Concrecel	
	Cellular Lightweight Concrete	

**APPENDIX A - INSTALLATION**

Insulation/Cover Board Fastening Patterns	
 <p>4 per 4-ft x 8-ft board (Max. 8.0-ft<sup>2</sup> contributory area per fastener)</p>	 <p>6 per 4-ft x 8-ft board Pattern #1 (Max. 5.33-ft<sup>2</sup> contributory area per fastener)</p>
 <p>6 per 4-ft x 8-ft board Pattern #2 (Max. 5.33-ft<sup>2</sup> contributory area per fastener)</p>	 <p>8 per 4-ft x 8-ft board Pattern #1 (Max. 4.0-ft<sup>2</sup> contributory area per fastener)</p>
 <p>8 per 4-ft x 8-ft board Pattern #2 (Max. 4.0-ft<sup>2</sup> contributory area per fastener)</p>	 <p>8 per 4-ft x 8-ft board Pattern #3 (Max. 4.0-ft<sup>2</sup> contributory area per fastener)</p>
 <p>12 per 4-ft x 8-ft board Pattern #1 (Max. 2.67-ft<sup>2</sup> contributory area per fastener)</p>	 <p>12 per 4-ft x 8-ft board Pattern #2 (Max. 2.67-ft<sup>2</sup> contributory area per fastener)</p>

**APPENDIX A - INSTALLATION**

Insulation/Cover Board Fastening Patterns	
<p><b>14 per 4-ft x 8-ft board</b> (Max. 2.29-ft<sup>2</sup> contributory area per fastener)</p>	<p><b>16 per 4-ft x 8-ft board</b> (Max. 2.0-ft<sup>2</sup> contributory area per fastener)</p>
<p><b>18 per 4-ft x 8-ft board Pattern #1</b> (Max. 1.78-ft<sup>2</sup> contributory area per fastener)</p>	<p><b>18 per 4-ft x 8-ft board Pattern #2</b> (Max. 1.78-ft<sup>2</sup> contributory area per fastener)</p>
<p><b>20 per 4-ft x 8-ft board</b> (Max. 1.6-ft<sup>2</sup> contributory area per fastener)</p>	<p><b>24 per 4-ft x 8-ft board</b> (Max. 1.33-ft<sup>2</sup> contributory area per fastener)</p>
<p><b>24 per 4-ft x 8-ft board Pattern #2</b> (Max. 1.33-ft<sup>2</sup> contributory area per fastener)</p>	<p><b>32 per 4-ft x 8-ft board</b> (Max. 1.0-ft<sup>2</sup> contributory area per fastener)</p>



**APPENDIX A - INSTALLATION**

<b>Alternate Fastener Patterns for Induction Weld Assemblies Only</b>	
Description	Fastening Array Repeated Using the Geometric Grid Shown Below
<p>1.5-ft x 2-ft staggered grid</p>	
<p>2-ft x 2-ft staggered grid</p>	
<p>2-ft x 3-ft staggered grid</p>	

**APPENDIX A - INSTALLATION**

VERSFA-FAST Metal Plate Fastening Pattern	
Description	Fastening Pattern
2 Fasteners/ Plate	
3 Fasteners/ Plate	<p>Direction of fastener row within lap</p>

**APPENDIX B – NOMENCLATURE**

**NOMENCLATURE**

The following naming conventions are utilized to specify products in the [APPROVED ASSEMBLIES](#) section of this report. Refer to the nomenclature below when deciphering the allowable products for use in the selected assembly. Installation requirements shall be as noted in the [APPROVED ASSEMBLIES](#) section of this report.

Name	Definition
1168	JM 1168 Membrane Adhesive
1k SBS Ply	One ply of DynaLastic 180 S, DynaFast 180 S, DynaLastic 250 S, DynaBase, DyanBase 3.0, DynaBase XT, DynaBase PR, or DynaPly T1 fully bonded in DynaSet 1k
2-Part UIA	JM Two-Part Urethane Insulation Adhesive, JM Two-Part UIA, JM Two-Part Urethane Insulation Adhesive Canister, or JM Two-Part UIA Canister
2-Part UIA(S)	JM Two-Part Urethane Insulation Adhesive, JM Two-Part UIA, JM Two-Part Urethane Insulation Adhesive Canister, or JM Two-Part UIA Canister applied in spatter application at a rate of 3.5-3.9 lbs/100ft <sup>2</sup>
2-Part UIA-C(B)	JM Two-Part Urethane Insulation Adhesive Canister or JM Two-Part UIA Canister applied in 1/2-inch wide beads
AP Fasteners & Plates	All Purpose Fastener, Trufast #14 HD Fastener or Structural Concrete Deck Fastener (concrete only) and UltraFast Metal Plate (Round) or UltraFast Metal Plate (Square) or UltraFast Plate Metal Flat
AP Fasteners & Plates (Square)	All Purpose Fastener, Trufast #14 HD Fastener or Structural Concrete Deck Fastener (concrete only) and UltraFast Metal Plate (Square) or UltraFast Plate Metal Flat
AP Fasteners & Trufast Plates	All Purpose Fastener, Trufast #14 HD Fastener or Structural Concrete Deck Fastener (concrete only) and Trufast 3" Metal Insulation Plate
APB Fasteners & Plates	JM APB Plates and JM High Load Fasteners ( <i>Wood Deck</i> or <i>Steel Deck</i> ) or JM All Purpose Fasteners ( <i>Concrete Deck</i> )
ASBA	JM All Season Sprayable Bonding Adhesive
BA SBS Ply	One ply of DynaLastic 180 S, DynaFast 180 S, DynaLastic 250 S, DynaBase, DynaBase 3.0, DynaBase XT, DynaBase PR, or DynaPly T1 fully bonded in MBR Bonding Adhesive
Cover Board	One layer of any of the following products: <ul style="list-style-type: none"> <li>-Georgia-Pacific DensDeck</li> <li>-Georgia-Pacific DensDeck Prime</li> <li>- Georgia-Pacific DensDeck StormX Prime</li> <li>-JM Invinsa Roof Board</li> <li>-JM Invinsa FR Roof Board</li> <li>-JM ProtectorR HD</li> <li>-JM ProtectorR HD FR</li> <li>-JM 1/2" Retro-Fit Board</li> <li>-JM RetroPlus Roof Board</li> <li>-JM SECUROCK Glass-Mat Roof Board</li> <li>-JM SECUROCK Gypsum-Fiber Roof Board</li> <li>-National Gypsum DEXcell FA Glass Mat Roof Board</li> <li>-National Gypsum DEXcell Glass Mat Roof Board</li> <li>-National Gypsum DEXcell Cement Roof Board</li> </ul>

APPENDIX B – NOMENCLATURE

Name	Definition	
Deck Detail	All decks shall be designed by others in accordance with FBC requirements.	
	Concrete Deck	Min. $f'_c = 2,500$ psi at 28 days
	CWF Deck	Min. 2.5-inch thick Tectum I cementitious wood fiber panels
	Steel Deck	Min. 22 ga, Wide Rib Deck (Type WR) conforming to ANSI/SDI-RD1.0 & FBC; 0.5% Vented for LWIC applications only. Shall conform with ASTM A653 for S-A-# type assemblies.
		G<#>
	Wood Deck	APA Span-Rated sheathing.
		T<#>O
T<#>P		Min. <#>-inch thickness of the plywood sheathing complying with PS 1-19
	L<#>	Max. span of <#> inches
DF	Dekfast DF-#12-PH3 Steel Deck, or Wood Deck), Dekfast DF-#14-PH# (Concrete Deck, Steel Deck, or Wood Deck), or Dekfast DF-#15-PH3 (Steel Deck, or Wood Deck) with Dekfast PLT-R-3	
DensDeck	Min. 1/4-inch Georgia-Pacific DensDeck	
DensDeck Prime	Min. 1/4-inch Georgia-Pacific DensDeck Prime; or DensDeck StormX Prime	
DEXcell CB	Min. 1/4-inch National Gypsum DEXcell Cement Roof Board	
DEXcell FA	Min. 1/4-inch National Gypsum DEXcell FA Glass Mat Roof Board	
E3	JM ENRGY 3 or JM ENRGY 3 CGF	
E3 C1	JM ENRGY 3 C1 or JM ENRGY 3 C1 CGF	
EPS	ASTM C 578 expanded polystyrene insulation board, min. Type IX in HVHZ	
Extra HL Fasteners & Plates	JM Extra High Load Fasteners (Wood Deck or Steel Deck) or JM All Purpose Fasteners (Concrete Deck) and JM Extra High Load Plates	

**APPENDIX B – NOMENCLATURE**

Name	Definition																																																
<i>Fasteners &amp; Plates</i>	Choose one of the following fastener and plate combinations for the given conditions: <table border="1"> <thead> <tr> <th>Board or Base Sheet</th> <th>Fastener</th> <th>Plate</th> <th>Roof Deck</th> </tr> </thead> <tbody> <tr> <td>Any</td> <td>JM All Purpose Fastener, JM Structural Concrete Deck Fastener, Dekfast DF-#14-PH3, or Trufast #14 HD Fastener</td> <td>JM UltraFast Metal Plate (Square), UltraFast Plate Metal Flat, UltraFast Metal Plate (Round), or UltraFast Plate Metal Recessed</td> <td>Concrete</td> </tr> <tr> <td>Any</td> <td>JM UltraFast Fastener, Trufast #12 DP Fastener, Trufast #14 HD Fastener, JM High Load Fastener, Dekfast DP-#15-PH3, or Trufast #15 EHD Fastener</td> <td>JM UltraFast Metal Plate (Square), UltraFast Plate Metal Flat, UltraFast Metal Plate (Round), or UltraFast Plate Metal Recessed</td> <td>Steel</td> </tr> <tr> <td>Any</td> <td>JM UltraFast Fastener, Trufast #12 DP Fastener, Dekfast DF-#12-PH3, JM All Purpose Fastener, Dekfast DF-#14-PH#, JM High Load Fastener, Dekfast DF-#15-PH3, or Trufast #15 EHD Fastener</td> <td>JM UltraFast Metal Plate (Square), UltraFast Plate Metal Flat, UltraFast Metal Plate (Round), or UltraFast Plate Metal Recessed</td> <td>Plywood or OSB</td> </tr> <tr> <td>Any</td> <td>Dekfast DF-#14-PH3</td> <td>Dekfast PLT-R-3</td> <td>Concrete</td> </tr> <tr> <td>Any</td> <td>Dekfast DF-#12-PH3 or Dekfast DP-#15-PH3</td> <td>Dekfast PLT-R-3</td> <td>Steel</td> </tr> <tr> <td>Any</td> <td>Dekfast DF-#12-PH3, Dekfast DF-#14-PH#, or Dekfast DF-#15-PH3</td> <td>Dekfast PLT-R-3</td> <td>Plywood or OSB</td> </tr> <tr> <td>Any</td> <td>JM All Purpose Fastener, JM Structural Concrete Deck Fastener, or Trufast #14 HD Fastener</td> <td>Trufast 3" Metal Insulation Plates</td> <td>Concrete</td> </tr> <tr> <td>ENRGY 3, SeparatoR CGF, DensDeck Prime, DEXcell FA, or SECUROCK</td> <td>JM UltraFast Fastener or JM High Load Fastener</td> <td>Trufast 3" Metal Insulation Plates</td> <td>Steel</td> </tr> <tr> <td>ENRGY 3, SeparatoR CGF, DensDeck Prime, DEXcell FA, or SECUROCK</td> <td>JM UltraFast Fastener, JM All Purpose Fastener or JM High Load Fastener</td> <td>Trufast 3" Metal Insulation Plates</td> <td>Plywood or OSB</td> </tr> <tr> <td>Any</td> <td>Trufast #12 DP Fastener, Trufast #14 HD Fastener, or Trufast #15 EHD Fastener</td> <td>Trufast 3" Metal Insulation Plates</td> <td>Steel or OSB</td> </tr> <tr> <td>Any</td> <td>Trufast #12 DP Fastener or Trufast #15 EHD Fastener</td> <td>Trufast 3" Metal Insulation Plates</td> <td>Plywood</td> </tr> </tbody> </table>	Board or Base Sheet	Fastener	Plate	Roof Deck	Any	JM All Purpose Fastener, JM Structural Concrete Deck Fastener, Dekfast DF-#14-PH3, or Trufast #14 HD Fastener	JM UltraFast Metal Plate (Square), UltraFast Plate Metal Flat, UltraFast Metal Plate (Round), or UltraFast Plate Metal Recessed	Concrete	Any	JM UltraFast Fastener, Trufast #12 DP Fastener, Trufast #14 HD Fastener, JM High Load Fastener, Dekfast DP-#15-PH3, or Trufast #15 EHD Fastener	JM UltraFast Metal Plate (Square), UltraFast Plate Metal Flat, UltraFast Metal Plate (Round), or UltraFast Plate Metal Recessed	Steel	Any	JM UltraFast Fastener, Trufast #12 DP Fastener, Dekfast DF-#12-PH3, JM All Purpose Fastener, Dekfast DF-#14-PH#, JM High Load Fastener, Dekfast DF-#15-PH3, or Trufast #15 EHD Fastener	JM UltraFast Metal Plate (Square), UltraFast Plate Metal Flat, UltraFast Metal Plate (Round), or UltraFast Plate Metal Recessed	Plywood or OSB	Any	Dekfast DF-#14-PH3	Dekfast PLT-R-3	Concrete	Any	Dekfast DF-#12-PH3 or Dekfast DP-#15-PH3	Dekfast PLT-R-3	Steel	Any	Dekfast DF-#12-PH3, Dekfast DF-#14-PH#, or Dekfast DF-#15-PH3	Dekfast PLT-R-3	Plywood or OSB	Any	JM All Purpose Fastener, JM Structural Concrete Deck Fastener, or Trufast #14 HD Fastener	Trufast 3" Metal Insulation Plates	Concrete	ENRGY 3, SeparatoR CGF, DensDeck Prime, DEXcell FA, or SECUROCK	JM UltraFast Fastener or JM High Load Fastener	Trufast 3" Metal Insulation Plates	Steel	ENRGY 3, SeparatoR CGF, DensDeck Prime, DEXcell FA, or SECUROCK	JM UltraFast Fastener, JM All Purpose Fastener or JM High Load Fastener	Trufast 3" Metal Insulation Plates	Plywood or OSB	Any	Trufast #12 DP Fastener, Trufast #14 HD Fastener, or Trufast #15 EHD Fastener	Trufast 3" Metal Insulation Plates	Steel or OSB	Any	Trufast #12 DP Fastener or Trufast #15 EHD Fastener	Trufast 3" Metal Insulation Plates	Plywood
	Board or Base Sheet	Fastener	Plate	Roof Deck																																													
	Any	JM All Purpose Fastener, JM Structural Concrete Deck Fastener, Dekfast DF-#14-PH3, or Trufast #14 HD Fastener	JM UltraFast Metal Plate (Square), UltraFast Plate Metal Flat, UltraFast Metal Plate (Round), or UltraFast Plate Metal Recessed	Concrete																																													
	Any	JM UltraFast Fastener, Trufast #12 DP Fastener, Trufast #14 HD Fastener, JM High Load Fastener, Dekfast DP-#15-PH3, or Trufast #15 EHD Fastener	JM UltraFast Metal Plate (Square), UltraFast Plate Metal Flat, UltraFast Metal Plate (Round), or UltraFast Plate Metal Recessed	Steel																																													
	Any	JM UltraFast Fastener, Trufast #12 DP Fastener, Dekfast DF-#12-PH3, JM All Purpose Fastener, Dekfast DF-#14-PH#, JM High Load Fastener, Dekfast DF-#15-PH3, or Trufast #15 EHD Fastener	JM UltraFast Metal Plate (Square), UltraFast Plate Metal Flat, UltraFast Metal Plate (Round), or UltraFast Plate Metal Recessed	Plywood or OSB																																													
	Any	Dekfast DF-#14-PH3	Dekfast PLT-R-3	Concrete																																													
	Any	Dekfast DF-#12-PH3 or Dekfast DP-#15-PH3	Dekfast PLT-R-3	Steel																																													
	Any	Dekfast DF-#12-PH3, Dekfast DF-#14-PH#, or Dekfast DF-#15-PH3	Dekfast PLT-R-3	Plywood or OSB																																													
	Any	JM All Purpose Fastener, JM Structural Concrete Deck Fastener, or Trufast #14 HD Fastener	Trufast 3" Metal Insulation Plates	Concrete																																													
	ENRGY 3, SeparatoR CGF, DensDeck Prime, DEXcell FA, or SECUROCK	JM UltraFast Fastener or JM High Load Fastener	Trufast 3" Metal Insulation Plates	Steel																																													
	ENRGY 3, SeparatoR CGF, DensDeck Prime, DEXcell FA, or SECUROCK	JM UltraFast Fastener, JM All Purpose Fastener or JM High Load Fastener	Trufast 3" Metal Insulation Plates	Plywood or OSB																																													
	Any	Trufast #12 DP Fastener, Trufast #14 HD Fastener, or Trufast #15 EHD Fastener	Trufast 3" Metal Insulation Plates	Steel or OSB																																													
Any	Trufast #12 DP Fastener or Trufast #15 EHD Fastener	Trufast 3" Metal Insulation Plates	Plywood																																														
<i>HA SBS Ply</i>	One ply of of DynaLastic 180 S, DynaFast 180 S, DynaLastic 250 S, DynaBase, DynaBase 3.0, DynaBase XT, DynaBase PR, or DynaPly T1 fully bonded in ASTM D 312, Type IV Asphalt																																																
<i>HL Fasteners &amp; Plates</i>	JM High Load Fasteners ( <i>Wood Deck or Steel Deck</i> ), Trufast #15 EHD Fasteners ( <i>Steel Deck</i> ) or JM All Purpose Fasteners ( <i>Concrete Deck</i> ) and JM High Load Plates																																																



**APPENDIX B – NOMENCLATURE**

Name	Definition
<i>INSULATION</i>	One of more layers in any combination of the following products: -Approved EPS -ENRGY 3 -ENRGY 3 AGF -ENRGY 3 CGF -ENRGY 3 FR -ENRGY 3 C1 -ENRGY 3 C1 CGF -FESCO Board -Fesco Foam -Invinsa Roof Board -Invinsa FR Roof Board -ProtectoR Foam -ProtectoR HD -ProtectoR HD FR -1/2" Retro-Fit Board -RetroPlus Roof Board -SECUROCK Glass-Mat Roof Board -SECUROCK Gypsum-Fiber Roof Board -SeparatoR -SeparatoR CGF -SeparatoR FR
<i>INVINSA</i>	JM Invinsa or JM Invinsa FR Roof Board
<i>ISOWELD #15</i>	isoweld FI-P-6.8-PVC plates and DEKFAST DF-#15-PH3 Fasteners
<i>ISOWELD #12</i>	isoweld FI-P-6.8-PVC plates and DEKFAST DF-#12-PH3 Fasteners
<i>IW</i>	Any one of the following fastener and plate combinations: 1) JM All Purpose Fasteners, JM High Load Fasteners, JM Structural Concrete Deck Fasteners, Dekfast DF-#14-PH3, Dekfast DF-#15-PH3, Trufast #14 HD Fasteners, or Trufast #15 EHD Fasteners and JM PVC RhinoPlates; 2) Trufast #14 HD Fasteners, Trufast #15 EHD Fasteners or Trufast Fluted Concrete Nails and Trufast PVC IW Plates; 3) JM All Purpose Fasteners, JM High Load Fasteners, Dekfast DF-#14-PH3, Dekfast DF-#15-PH3 and <i>isoweld</i> FI-P-6.8-PVC plates;
<i>IW #14</i>	Any one of the following fastener and plate combinations: 1) JM All Purpose Fasteners, JM Structural Concrete Deck Fasteners, Dekfast DF-#14-PH3, or Trufast #14 HD Fasteners and JM PVC RhinoPlates; 2) Trufast #14 HD Fasteners or Trufast Fluted Concrete Nails and Trufast PVC IW Plates; 3) JM All Purpose Fasteners or Dekfast DF-#14-PH3 and <i>isoweld</i> FI-P-6.8-PVC plates;
<i>IW #15</i>	Any one of the following fastener and plate combinations: 1) JM High Load Fasteners, JM Structural Concrete Deck Fasteners, Dekfast DF-#15-PH3, or Trufast #15 EHD Fasteners and JM PVC RhinoPlates; 2) Trufast #15 EHD Fasteners or Trufast Fluted Concrete Nails and Trufast PVC IW Plates; 3) JM High Load Fasteners or Dekfast DF-#15-PH3 and <i>isoweld</i> FI-P-6.8-PVC plates;
<i>JM PVC</i>	One ply of any one of the following products: JM PVC-50 mil, JM PVC-60 mil, or JM PVC-80 mil
<i>JM PVC FB</i>	One ply of any one of the following products: JM PVC FB-60 mil, JM PVC FB-80 mil, JM PVC SD Plus FB-60mil, JM PVC FB SD Plus FB-80mil
<i>JM PVC FB/DynaFast</i>	One ply of JM PVC FB-60 mil or JM PVC FB-80 mil fully adhered in ASTM D 312 Type IV asphalt or 2-Part UIA(S) over DynaFast 180 S. DynaFast 180 S fastened to deck as described in <i>Approved Assembly</i>
<i>JM PVC SD Plus</i>	One ply of any one of the following products: JM PVC SD Plus-50 mil, JM PVC SD Plus-60 mil, or JM PVC SD Plus-80 mil
<i>JM PVC SL</i>	One ply of any one of the following products: JM PVC SL-50 mil, JM PVC SL-60 mil, or JM PVC SL-80 mil
<i>LWIC</i>	Poured-in-place Cellular Lightweight Insulating Concrete with encapsulated insulation board
<i>MCRF</i>	Minimum Characteristic Resistance Force as determined by TAS 105 for the named fastener in the selected assembly
<i>MDP</i>	Maximum Design Pressure
<i>OMG Fasteners &amp; Plates</i>	OMG XHD fasteners and 3 in. Ribbed Galvalume Plates (Flat)
<i>OSFA</i>	JM One-Step Foamable Adhesive
<i>Preliminarily Secured</i>	Fastened at minimum rate of 5 per 4 ft x 8 ft board or 4 per 4 ft x 4 ft board.

**APPENDIX B – NOMENCLATURE**

Name	Definition
<i>ProtectoR</i>	JM ProtectoR HD or JM ProtectoR HD FR Roof Board
<i>PVC ASSBA</i>	JM PVC All Season Sprayable Bonding Adhesive
<i>PVC MA (LowVOC)</i>	JM PVC Membrane Adhesive (Low VOC)
<i>PVC WBMA</i>	JM PVC Water Based Membrane Adhesive
<i>Recover</i>	Where assemblies are used to recover an existing roof, the existing roof shall consist of only one layer of roofing, i.e. recovering a previously recovered roof is not permitted. Recover roofing shall be conducted in compliance with FBC Section 1511 outside of the HVHZ and FBC Section 1521 within the HVHZ. For mechanically fastened roof assemblies and induction welded assemblies, i.e. systems x-M-# and x-W-#, the insulation layer is optional, or any INSULATION board or slip sheet may be used as separation layer prior to installing the approved roof assembly.
<i>Retro-Fit</i>	JM Retro-Fit Board
<i>RhinoPlates</i>	JM High Load Fasteners or Trufast #15 EHD Fasteners and JM PVC RhinoPlates
<i>RS Nails &amp; Tin Caps</i>	Min. 0.120-inch x 1.25-inch galvanized ring shank roofing nails and min. 32ga. x 1-5/8-inch diameter galvanized steel tin caps
<i>RSUA</i>	JM Roofing System Urethane Adhesive
<i>RSUA(S)</i>	JM Roofing System Urethane Adhesive applied in "spatter"
<i>SECUROCK</i>	Min. 1/4-inch JM SECUROCK Gypsum-Fiber Roof Board
<i>SeparatoR</i>	SeparatoR CGF or SeparatoR FR
<i>StormX</i>	DensDeck StormX Prime
<i>TA SBS Ply</i>	One ply of DynaWeld Base, DynaBase HW, DynaWeld 180 S, DynaFast 180 HW, DynaWeld 250 S, DynaFast 250 HW fully bonded by torch adhering
<i>TF</i>	Trufast #12 DP Fastener ( <i>Steel Deck</i> or <i>Wood Deck</i> ), Trufast #14 HD Fastener ( <i>Concrete Deck</i> , <i>Steel Deck</i> , or <i>Wood Deck</i> ), or Trufast #15 EHD Fasteners ( <i>Concrete Deck</i> , <i>Steel Deck</i> or <i>Wood Deck</i> ) with Trufast 3" Metal Insulation Plate
<i>UF</i>	JM UltraFast Fasteners ( <i>Steel Deck</i> or <i>Wood Deck</i> ), JM All Purpose Fasteners ( <i>Concrete Deck</i> , <i>Steel Deck</i> , or <i>Wood Deck</i> ), or JM High Load Fasteners ( <i>Wood Deck</i> or <i>Steel Deck</i> ) with JM UltraFast Metal Plate (Square), UltraFast Plate Metal Flat, UltraFast Metal Plate (Round), or UltraFast Plate Metal Recessed
<i>UIA</i>	JM Urethane Insulation Adhesive
<i>UltraFast Fasteners &amp; Trufast Plates</i>	JM UltraFast Fasteners ( <i>Steel Deck</i> and <i>Wood Deck</i> ), Trufast #12 DP Fasteners, JM All Purpose Fasteners ( <i>Concrete Deck</i> ), or Trufast #14 HD Fasteners and Trufast 3" Metal Insulation Plates
<i>UltraFast Plates</i>	UltraFast Metal Plate (Square), UltraFast Plate Metal Flat, UltraFast Metal Plates (Round), or UltraFast Plate Metal Recessed
<i>Vapor Barrier</i>	One of the following vapor barriers installed over the deck: -4mil or 6mil Polyethylene, loose laid -JM Vapor Barrier SA or JM Vapor Barrier SAR, self-adhered to minimum 0.5-inch thick SECUROCK Gypsum-Fiber Roof Board, DEXcell FA Glass Mat Roof Board or DEXcell Cement Roof Board. The thermal barrier may be primed with JM SA Primer Low VOC, or SA Primer -DynaGrip Base SD/SA, self-adhered to minimum 0.5-inch thick SECUROCK Gypsum-Fiber Roof Board or DEXcell FA Glass Mat Roof Board -DynaBase HW, torch applied to minimum 0.5-inch thick DEXcell FA Glass Mat Roof Board

**APPENDIX B – NOMENCLATURE**

Name	Definition						
Vapor Barriers for Adhered Assemblies over Concrete Deck	One of the following options may be utilized as allowed by the <i>Approved Assembly</i> . The <i>MDP</i> shall be limited to the lesser of rating of the <i>Approved Assembly</i> and the <i>MDP</i> for the chosen vapor barrier.						
	<b>Primer</b>	<b>Vapor Barrier</b>	<b>VB Application</b>	<b>Insulation Adhesive</b>	<b>MDP (psf)</b>		
	None	DynaBase HW	Torch adhered	OSFA 12-inch o.c.	-172.5		
	None	DynaBase HW	Torch adhered	2-Part UIA 12-inch o.c.	-135		
	None	DynaBase HW	Torch adhered	RSUA 12-inch o.c.	-195		
	ASTM D 41	DynaGrip Base SD/SA	Self-adhered	OSFA 12-inch o.c.	-90		
	ASTM D 41	DynaGrip Base SD/SA	Self-adhered	2-Part UIA 12-inch o.c.	-97.5		
	ASTM D 41	DynaGrip Base SD/SA	Self-adhered	RSUA 12-inch o.c.	-82.5		
	ASTM D 41	DynaGrip Base PR SD/SA	Self-adhered	RSUA 12-inch o.c.	-202.5		
	ASTM D 41	DynaGrip Base PR SD/SA	Self-adhered	2-Part UIA 12-inch o.c.	-262.5		
	None	DynaLastic 180 S, DynaLastic 250 S, DynaFast 180 S, or DynaBase PR; Laps sealed with DynaSet 1k	DynaSet 1k 12-inch o.c.	OSFA, 2-Part UIA, or RSUA 12-inch o.c.	-232.5		
	None	DynaLastic 180 S, DynaLastic 250 S, DynaFast 180 S, or DynaBase PR; Laps sealed with DynaSet 1k	DynaSet 1k 12-inch o.c.	ASTM D 312, Type IV Asphalt	-337.5		
	None	DynaLastic 180, DynaLastic 180 FR, DynaLastic 250, DynaLastic 250 FR, DynaMax, or DynaMax FR; Laps sealed with DynaSet 1k	DynaSet 1k 12-inch o.c.	OSFA, 2-Part UIA, or RSUA 12-inch o.c.	-232.5		
	None	DynaLastic 180 S, DynaLastic 250 S, DynaFast 180 S, or DynaBase PR; Laps sealed with DynaSet 2k	DynaSet 2k 12-inch o.c.	OSFA, 2-Part UIA, or RSUA 12-inch o.c.	-97.5		
	None	DynaLastic 180 S, DynaLastic 250 S, DynaFast 180 S, or DynaBase PR; Laps sealed with DynaSet 2k	DynaSet 2k 12-inch o.c.	ASTM D 312, Type IV Asphalt	-75		
	ASTM D 41	DynaWeld Base	Torch adhered	OSFA 12-inch o.c.	-150		
	ASTM D 41	DynaWeld Base	Torch adhered	2-Part UIA 12-inch o.c.	-120		
ASTM D 41	DynaWeld Base	Torch adhered	RSUA 12-inch o.c.	-285			
JM SA Primer Low VOC or SA Primer	JM Vapor Barrier SA or SAR	Self-adhered	OSFA or RSUA 12-inch o.c.	-135			
JM SA Primer Low VOC or SA Primer	JM Vapor Barrier SA or SAR	Self-adhered	2-Part UIA 12-inch o.c.	-82.5			
Vapor Barriers for Adhered Assemblies over CWF Deck	One of the following options may be utilized as allowed by the <i>Approved Assembly</i> . The <i>MDP</i> shall be limited to the lesser of rating of the <i>Approved Assembly</i> and the <i>MDP</i> for the chosen vapor barrier.						
	<b>Thermal Barrier</b>	<b>TB Adhesive</b>	<b>Primer</b>	<b>Vapor Barrier</b>	<b>VB Application</b>	<b>Insulation Adhesive</b>	<b>MDP (psf)</b>
	SECUROCK	RSUA 12-inch o.c.	ASTM D 41	DynaWeld Cap	Torch adhered	RSUA 12-inch o.c.	-250

**APPENDIX B – NOMENCLATURE**

Name	Definition						
Vapor Barriers for Adhered Assemblies over Steel Deck	One of the following options may be utilized as allowed by the <i>Approved Assembly</i> . The <i>MDP</i> shall be limited to the lesser of rating of the <i>Approved Assembly</i> and the <i>MDP</i> for the chosen vapor barrier.						
	Thermal Barrier	TB Adhesive	Primer	Vapor Barrier	VB Application	Insulation Adhesive	MDP (psf)
	None	None	None	JM Vapor Barrier SA	Self-adhered	2-Part UIA, OSFA, or RSUA 12-inch o.c.	-45
None	None	SA Primer Low VOC	JM Vapor Barrier SAR	Self-adhered	2-Part UIA, OSFA, or RSUA 12-inch o.c.	-52.5	

## APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES

### APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES

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The following notes shall be observed when using the assembly tables below.

1. Allowable pressures were calculated using a 2:1 margin of safety per FBC Section 1504.9.
2. Refer to [LIMITATIONS](#) and [NOMENCLATURE](#) sections of this evaluation when using the table(s) below. Items *italicized* refer to specific nomenclature used in this report.
3. Refer to [INSTALLATION](#) section of this report for installation detail when the information is not explicitly stated for the selected assembly.
4. The on-center (o.c.) spacing given is the maximum allowable attachment spacing for the rated system.
5. Prior to application of the approved assembly an optional vapor barrier may be installed over concrete, steel, or wood decks when the approved assembly contains insulation or the membrane fastened through to the deck.
6. ENRGY 3, ENRGY 3 CGF, ENRGY 3 C1, or ENRGY 3 C1 CGF base insulation in assemblies with All Layers Adhered may be installed in one or more layers.
7. Steel deck utilized in System Nos. S-A-# shall be ASTM A653, G90 galvanized steel.
8. For systems C-AM-#, C-M-#, S-AM-#, and S-M-#, it is permissible to install over or substitute loose fill insulation with minimum 200psi, minimum 2-inch FBC approved lightweight insulating concrete applied over the concrete or steel deck. Fasteners shall be installed through the lightweight insulating concrete anchoring into the structural deck.
9. As noted in the assembly tables below, prior to adhering the membrane, TruGround Conductive Primer may be applied to the following board substrates when using the following membrane adhesives up to a *MDP* less than or equal to **-157.5psf**.
  - a. JM PVC All Season Sprayable Bonding Adhesive – ENRGY 3, ENRGY 3 CGF, Protector HD, DEXcell FA Glass Mat Roof Board, or DensDeck Prime Roof Board
  - b. JM PVC Membrane Adhesive (Low VOC) – ENRGY 3, ENRGY 3 CGF, Protector HD, DEXcell FA Glass Mat Roof Board, or DensDeck Prime Roof Board
10. As noted in the assembly tables below, prior to adhering the membrane, TruGround Conductive Primer may be applied to the following board substrates when using the following membrane adhesives up to a *MDP* less than or equal to **-45psf**.
  - a. JM PVC All Season Sprayable Bonding Adhesive – ENRGY 3, ENRGY 3 CGF, Protector HD, DEXcell FA Glass Mat Roof Board, or DensDeck Prime Roof Board
  - b. JM PVC Membrane Adhesive (Low VOC) – ENRGY 3, ENRGY 3 CGF, Protector HD, DEXcell FA Glass Mat Roof Board, or DensDeck Prime Roof Board
11. As noted in the assembly tables below, FESCO Board, FESCO Foam, DuraBoard, 1/2" Retro-Fit Board, or RetroPlus Roof Board may be substituted for *E3*.
12. As noted in the tables below, TruGround Conductive Primer may optionally applied to the board surface, existing roof, or deck surface prior to mechanically attaching the membrane.



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assembly System Numbers and Definitions</b>	
<a href="#">C-A-#</a>	Adhered Assemblies over <i>Concrete Deck</i> (New or Existing)
<a href="#">C-AM-#</a>	Assemblies with Adhered Membranes over Insulated <i>Concrete Deck</i> (New, Existing or <i>Recover</i> )
<a href="#">C-M-#</a>	Mechanically Fastened Assemblies over <i>Concrete Deck</i>
<a href="#">C-W-#</a>	Induction Welded Assemblies over <i>Concrete Deck</i>
<a href="#">CW-A-#</a>	Adhered Assemblies over <i>CWF Deck</i> (New or Existing)
<a href="#">CW-AM-#</a>	Assemblies with Adhered Membranes over Cementitious Wood Fiber Decks (New or Existing)
<a href="#">CW-M-#</a>	Mechanically Fastened Assemblies over <i>CWF Deck</i> (New, Existing, or <i>Recover</i> )
<a href="#">G-A-#</a>	Adhered Assemblies over Poured Gypsum Deck (New or Existing)
<a href="#">G-AM-#</a>	Assemblies with Adhered Membranes over Poured Gypsum Deck (New or Existing)
<a href="#">G-M-#</a>	Mechanically Fastened Assemblies over Poured Gypsum Deck (New, Existing or <i>Recover</i> )
<a href="#">LC-A-#</a>	Adhered Lightweight Concrete Assemblies over <i>Concrete Deck</i> (New or Existing)
<a href="#">LC-AM-#</a>	Lightweight Concrete Assemblies with Adhered Membranes over <i>Concrete Deck</i> (New or Existing)
<a href="#">LC-M-#</a>	Mechanically Fastened Lightweight Concrete Assemblies over <i>Concrete Deck</i> (New, Existing, or <i>Recover</i> )
<a href="#">LS-A-#</a>	Adhered Lightweight Concrete Assemblies over <i>Steel Deck</i> (New or Existing)
<a href="#">LS-AM-#</a>	Lightweight Concrete Assemblies with Adhered Membranes over <i>Steel Deck</i> (New or Existing)
<a href="#">LS-M-#</a>	Mechanically Fastened Lightweight Concrete Assemblies over <i>Steel Deck</i> (New, Existing, or <i>Recover</i> )
<a href="#">R-A-#</a>	Adhered <i>Recover</i> Assemblies
<a href="#">R-M-#</a>	Mechanically Fastened <i>Recover</i> Assemblies
<a href="#">R-W-#</a>	Induction Welded <i>Recover</i> Assemblies
<a href="#">S-A-#</a>	Adhered Assemblies over <i>Steel Deck</i> (New or Existing)
<a href="#">S-AM-#</a>	Assemblies with Adhered Membranes over Insulated <i>Steel Deck</i> (New, Existing or <i>Recover</i> )
<a href="#">S-M-#</a>	Mechanically Fastened Assemblies over <i>Steel Deck</i> (New, Existing or <i>Recover</i> )
<a href="#">S-W-#</a>	Induction Welded Assemblies over <i>Steel Deck</i>
<a href="#">W-A-#</a>	Adhered Assemblies over <i>Wood Deck</i> (New or Existing)
<a href="#">W-AM-#</a>	Assemblies with Adhered Membranes over Insulated <i>Wood Deck</i> (New, Existing or <i>Recover</i> )
<a href="#">W-M-#</a>	Mechanically Fastened Assemblies over <i>Wood Deck</i> (New or Existing)
<a href="#">W-W-#</a>	Induction Welded Assemblies over <i>Wood Deck</i> (New or Existing)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Adhered Assemblies over Concrete Deck (New or Existing)</b>						
System No.	Vapor Barrier	Base Insulation <a href="#">(Note 6)</a>	Top Insulation or Base Ply	Membrane	Membrane Attachment <a href="#">(Note 9)</a>	MDP (psf)
C-A-1	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	Min. 1.5-inch ENRGY 3 in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	<i>DensDeck Prime</i> in 2-Part UIA at 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA or PVC ASSBA	<b>-45 (Lim. 9)</b>
C-A-2	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch ENRGY 3 followed by <i>DensDeck Prime</i> , <i>DEXcell FA</i> , or <i>SECUROCK</i> in RSUA applied 12-inch o.c.	DynaBase HW	JM PVC FB	2-Part UIA(S)	<b>-45 (Lim. 9)</b>
C-A-3	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	Min. 1.5-inch E3 in RSUA or 2-Part UIA applied 12-inch o.c.	OPTIONAL <i>SECUROCK</i> or JM Invinsa in RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	<b>-67.5 (Lim. 9)</b>
C-A-4	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch E3 in RSUA applied 12-inch o.c.	<i>SECUROCK</i> in OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	<b>-67.5 (Lim. 9)</b>
C-A-5	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	Min. 1.5-inch E3 in UIA, 2-Part UIA, OSFA or RSUA applied 12-inch o.c.	OPTIONAL JM Invinsa or ProtectoR HD in UIA or 2-Part UIA applied 12-inch o.c.	JM PVC	PVC MA (LowVOC)	<b>-105 (Lim. 9)</b>
C-A-6	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	Min. 1.5-inch E3 in UIA, 2-Part UIA, OSFA or RSUA applied 12-inch o.c.	OPTIONAL JM Invinsa or ProtectoR HD in UIA or 2-Part UIA applied 12-inch o.c.	JM PVC SD Plus	PVC MA (LowVOC)	<b>-105 (Lim. 9)</b>
C-A-7	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	Min. 1.5-inch E3 in UIA, 2-Part UIA, OSFA or RSUA applied 12-inch o.c.	OPTIONAL ProtectoR HD in UIA or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC ASSBA	<b>-105 (Lim. 9)</b>
C-A-8	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch E3 in UIA, 2-Part UIA, OSFA or RSUA applied 12-inch o.c.	JM Invinsa or ProtectoR HD in UIA applied 12-inch o.c.	JM PVC	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup>	<b>-112.5 (Lim. 9)</b>
C-A-9	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch E3 in UIA, 2-Part UIA, OSFA or RSUA applied 12-inch o.c.	JM Invinsa or ProtectoR HD in UIA applied 12-inch o.c.	JM PVC SD Plus	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup>	<b>-112.5 (Lim. 9)</b>
C-A-10	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch E3 in UIA, 2-Part UIA, OSFA or RSUA applied 12-inch o.c.	ProtectoR HD in UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC ASSBA	<b>-112.5 (Lim. 9)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Adhered Assemblies over Concrete Deck (New or Existing)</b>						
System No.	Vapor Barrier	Base Insulation <a href="#">(Note 6)</a>	Top Insulation or Base Ply	Membrane	Membrane Attachment <a href="#">(Note 9)</a>	MDP (psf)
C-A-11	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	Min. 1.5-inch E3 or ProtectoR Foam applied in RSUA, OSFA or 2-Part UIA applied 12-inch o.c.	-	JM PVC FB	RSUA applied 4-inch o.c. or RSUA(S)	<b>-112.5 (Lim. 9)</b>
C-A-12	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	Min. 1.5-inch ENRGY 3 in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	Min. 1-inch ENRGY 3 in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA, PVC MA (LowVOC), or PVC ASSBA	<b>-127.5 (Lim. 9)</b>
C-A-13	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	Min. 1.5-inch ENRGY 3 in OSFA or RSUA applied 12-inch o.c.	Min. 1-inch ENRGY 3 in OSFA or RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA, PVC MA (LowVOC), or PVC ASSBA	<b>-127.5 (Lim. 9)</b>
C-A-14	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch ENRGY 3 in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	ProtectoR HD in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC FB	PVC WBMA	<b>-142.5 (Lim. 9)</b>
C-A-15	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch ENRGY 3 in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	DensDeck Prime in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC FB	PVC WBMA or ASBA	<b>-142.5 (Lim. 9)</b>
C-A-16	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch ENRGY 3 in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	Separator CGF in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC FB	PVC WBMA	<b>-150 (Lim. 9)</b>
C-A-17	-	Min. 1.5-inch E3, min. 1-inch Fesco, min. 1.5-inch Fesco Foam, or Retro-Fit in ASTM D 312 Type asphalt	-	JM PVC FB	ASTM D 312 Type IV Asphalt	<b>-150 (Lim. 9)</b>
C-A-18	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	Min. 1.5-inch ENRGY 3 in OSFA or RSUA applied 12-inch o.c.	Min. 1-inch ENRGY 3 in OSFA or RSUA applied 12-inch o.c.	JM PVC FB	ASBA	<b>-157.5 (Lim. 9)</b>
C-A-19	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	Min. 1.5-inch ENRGY 3 in OSFA or RSUA applied 12-inch o.c.	Min. 1-inch ENRGY 3 in OSFA or RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S) or PVC WBMA	<b>-180 (Lim. 9)</b>
C-A-20	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	Min. 1.5-inch ENRGY 3 in OSFA or RSUA applied 12-inch o.c.	Min. 1-inch ENRGY 3 in OSFA or RSUA applied 12-inch o.c.	JM PVC SD Plus	PVC ASSBA	<b>-180 (Lim. 9)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Adhered Assemblies over Concrete Deck (New or Existing)</b>						
System No.	Vapor Barrier	Base Insulation <a href="#">(Note 6)</a>	Top Insulation or Base Ply	Membrane	Membrane Attachment <a href="#">(Note 9)</a>	MDP (psf)
C-A-21	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch E3 in OSFA or RSUA applied 12-inch o.c.	ProtectoR HD in RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA or PVC MA (LowVOC)	<b>-180 (Lim. 9)</b>
C-A-22	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch E3 in OSFA or RSUA applied 12-inch o.c.	ProtectoR HD in RSUA applied 12-inch o.c.	JM PVC SD Plus	PVC ASSBA	<b>-180 (Lim. 9)</b>
C-A-23	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch E3 in OSFA or RSUA applied 12-inch o.c.	ProtectoR HD in RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S) or PVC WBMA	<b>-180 (Lim. 9)</b>
C-A-24	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch E3 in RSUA applied 12-inch o.c.	SECUROCK in RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	<b>-180 (Lim. 9)</b>
C-A-25	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch ENRGY 3 in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	ProtectoR HD in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA	<b>-180 (Lim. 9)</b>
C-A-26	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch ENRGY 3 in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	ProtectoR HD in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC SD Plus	PVC ASSBA	<b>-180 (Lim. 9)</b>
C-A-27	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	Min. 1.5-inch ENRGY 3 followed by DEXcell FA in RSUA applied 12-inch o.c.	TA SBS Ply	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	<b>-185 (Lim. 9)</b>
C-A-28	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	Min. 1.5-inch ENRGY 3 in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	Min. 1-inch ENRGY 3 in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC FB	PVC WBMA	<b>-187.5 (Lim. 9)</b>
C-A-29	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck (Not for use with hot asphalt)</i>	Min. 1.5-inch E3 in 2-Part UIA, OSFA or RSUA applied 12-inch o.c. or ASTM D 312 Type IV Asphalt	-	JM PVC	PVC MA (LowVOC)	<b>-217.5 (Lim. 9)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Adhered Assemblies over Concrete Deck (New or Existing)</b>						
System No.	Vapor Barrier	Base Insulation ( <a href="#">Note 6</a> )	Top Insulation or Base Ply	Membrane	Membrane Attachment ( <a href="#">Note 9</a> )	MDP (psf)
C-A-30	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i> (Not for use with hot asphalt)	Min. 1.5-inch E3 in 2-Part UIA, OSFA or RSUA applied 12-inch o.c. or ASTM D 312 Type IV Asphalt	-	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	<b>-217.5 (Lim. 9)</b>
C-A-31	-	-	-	JM PVC FB	PVC WBMA	<b>-217.5 (Lim. 9)</b>
C-A-32	DynaBase HW	OPTIONAL Min. 1.5-inch ENERGY 3 in RSUA ribbons applied 12-inch o.c.	SECUROCK in RSUA applied 12-inch o.c. followed by TA SBS Ply	JM PVC FB	RSUA applied 12-inch o.c., RSUA(S), or 2-Part UIA(S)	<b>-217.5 (Lim. 9)</b>
C-A-33	DynaBase HW	OPTIONAL Min. 1.5-inch ENERGY 3 in RSUA ribbons applied 12-inch o.c.	DensDeck Prime in RSUA applied 12-inch o.c. followed by TA SBS Ply	JM PVC FB	RSUA applied 12-inch o.c., RSUA(S), or 2-Part UIA(S)	<b>-217.5 (Lim. 9)</b>
C-A-34	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch ENRGY 3 in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	SeparatoR CGF in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA	<b>-225 (Lim. 9)</b>
C-A-35	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch ENRGY 3 in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	SeparatoR CGF in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC SD Plus	PVC ASSBA	<b>-225 (Lim. 9)</b>
C-A-36	DynaBase HW	SECUROCK in RSUA applied 12-inch o.c.	TA SBS Ply	JM PVC FB	RSUA applied 12-inch o.c., RSUA(S), or 2-Part UIA(S)	<b>-225 (Lim. 9)</b>
C-A-37	DynaWeld Base torch adhered over deck primed with ASTM D 41 primer	Min. 1-inch ENRGY 3 in RSUA applied 12-inch o.c.	-	JM PVC SD Plus	PVC MA (Low VOC)	<b>-240 (Lim. 9)</b>
C-A-38	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 0.5-inch ENRGY 3 in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	Invinsa in OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC SD Plus	PVC ASSBA	<b>-225 (Lim. 9)</b>
C-A-39	OPTIONAL <i>Vapor Barriers for Adhered Assemblies over Concrete Deck</i>	OPTIONAL Min. 1.5-inch E3 in RSUA applied 12-inch o.c.	SECUROCK in RSUA applied 12-inch o.c. followed by HA SBS BUR Ply; BA SBS BUR Ply; 1k SBS Ply; or TA SBS Ply	JM PVC FB	2-Part UIA(S)	<b>-225 (Lim. 9)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Assemblies over Concrete Deck (New or Existing)						
System No.	Vapor Barrier	Base Insulation (Note 6)	Top Insulation or Base Ply	Membrane	Membrane Attachment (Note 9)	MDP (psf)
C-A-40	OPTIONAL Vapor Barriers for Adhered Assemblies over Concrete Deck	Min. 1.5-inch ENRGY 3 in OSFA, 2-Part UIA, or RSUA applied 12-inch o.c.	BA SBS Ply or 1k SBS Ply	JM PVC FB	2-Part UIA(S)	-225 (Lim. 9)
C-A-41	OPTIONAL Vapor Barriers for Adhered Assemblies over Concrete Deck	OPTIONAL Min. 1.5-inch E3 in 2-Part UIA or RSUA applied 12-inch o.c.	ProtectoR HD in 2-Part UIA or RSUA applied 12-inch o.c. followed by 1k SBS Ply	JM PVC FB	2-Part UIA(S)	-232.5 (Lim. 9)
C-A-42	DynaBase PR in DynaSet 1k applied 12-inch o.c.	-	-	JM PVC FB	DynaSet 1k applied 12-inch o.c.	-232.5 (Lim. 9)
C-A-43	OPTIONAL Vapor Barriers for Adhered Assemblies over Concrete Deck	OPTIONAL Min. 1.5-inch ENRGY 3 in 2-Part UIA or RSUA applied 12-inch o.c.	DensDeck Prime, DEXcell FA, or SECUROCK in 2-Part UIA or RSUA applied 12-inch o.c. followed by TA SBS Ply	JM PVC FB	2-Part UIA(S)	-240 (Lim. 9)
C-A-44	OPTIONAL Vapor Barriers for Adhered Assemblies over Concrete Deck	OPTIONAL Min. 1.5-inch E3 in RSUA applied 12-inch o.c.	SECUROCK secured with RSUA ribbons spaced 12-inch o.c. followed by HA SBS BUR Ply; BA SBS BUR Ply; 1k SBS Ply; or TA SBS Ply	JM PVC FB	2-Part UIA(S)	-245 (Lim. 9)
C-A-45	OPTIONAL Vapor Barriers for Adhered Assemblies over Concrete Deck	OPTIONAL Min. 1.5-inch E3 in RSUA applied 12-inch o.c.	ProtectoR HD in RSUA applied 12-inch o.c. followed by 1k SBS Ply	JM PVC FB	2-Part UIA(S)	-255 (Lim. 9)
C-A-46	OPTIONAL Vapor Barriers for Adhered Assemblies over Concrete Deck	OPTIONAL Min. 1.5-inch ENRGY 3 in 2-Part UIA applied 12-inch o.c.	DEXcell FA in 2-Part UIA applied 12-inch o.c. followed by TA SBS Ply	JM PVC FB	2-Part UIA(S) at 6lbs/100ft <sup>2</sup>	-255 (Lim. 9)
C-A-47	-	Min. 1.5-inch ENRGY 3 or ProtectoR Foam in 2-Part UIA-C(B) applied 12-inch o.c.	-	JM PVC FB	2-Part UIA(S)	-277.5 (Lim. 9)
C-A-48	DynaBase HW torch adhered over deck primed with ASTM D 41 primer	OPTIONAL Min. 1.5-inch ENRGY 3 CGF in RSUA applied 12-inch o.c.	SECUROCK in RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (Low VOC)	-292.5 (Lim. 9)



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Adhered Assemblies over Concrete Deck (New or Existing)</b>						
System No.	Vapor Barrier	Base Insulation <a href="#">(Note 6)</a>	Top Insulation or Base Ply	Membrane	Membrane Attachment <a href="#">(Note 9)</a>	MDP (psf)
C-A-49	DynaBase HW torch adhered over deck primed with ASTM D 41 primer	OPTIONAL Min. 1.5-inch ENRGY 3 CGF in RSUA applied 12-inch o.c.	SECUROCK in RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-292.5 (Lim. 9)
C-A-50	-	OPTIONAL Min. 1-inch E3 C1 or E3 (less ENRGY 3 FR) in 2-Part UIA applied 12-inch o.c.	DensDeck Prime in 2-Part UIA, OSFA or RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-337.5 (Lim. 9)
C-A-51	-	-	DEXcell CB or DEXcell FA in 2-Part UIA or OlyBond 500 applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (Low VOC)	-390 (Lim. 9)
C-A-52	-	-	DEXcell FA in 2-Part UIA or OlyBond 500 applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-390 (Lim. 9)
C-A-53	DynaWeld Base torch adhered over deck primed with ASTM D 41 primer	-	-	JM PVC FB	2-Part UIA(S) or RSUA(S)	-502.5 (Lim. 9)
C-A-54	-	-	-	JM PVC FB	RSUA(S)	-502.5 (Lim. 9)

<b>Assemblies with Adhered Membranes over Insulated Concrete Deck (New, Existing, or Recover)</b>								
System No.	Thermal/ Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Base Sheet	Top Insulation or Base Sheet Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
C-AM-1	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	ProtectoR	Fastener & Plates secured 1 fastener per 2.67ft <sup>2</sup>	JM PVC	PVC MA (LowVOC) or PVC ASSBA	-30 (Lim. 7)
C-AM-2	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	ProtectoR	Fastener & Plates secured 1 fastener per 2.67ft <sup>2</sup>	JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-30 (Lim. 7)
C-AM-3	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	ProtectoR	Fastener & Plates secured 1 fastener per 2.67ft <sup>2</sup>	JM PVC FB	RSUA applied 12-inch o.c., RSUA(S), or 2-Part UIA(S)	-30 (Lim. 7)
C-AM-4	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	ProtectoR	Fastener & Plates secured 1 fastener per 4ft <sup>2</sup>	JM PVC	PVC MA (LowVOC) or PVC ASSBA	-45 (Lim. 7)
C-AM-5	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	ProtectoR	Fastener & Plates secured 1 fastener per 4ft <sup>2</sup>	JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-45 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Assemblies with Adhered Membranes over Insulated <i>Concrete Deck</i> (New, Existing, or Recover)								
System No.	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Base Sheet	Top Insulation or Base Sheet Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
C-AM-6	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	<i>ProtectoR</i>	<i>Fastener &amp; Plates</i> secured 1 fastener per 4ft <sup>2</sup>	<i>JM PVC FB</i>	<i>RSUA</i> applied 12-inch o.c., <i>RSUA(S)</i> , or <i>2-Part UIA(S)</i>	-45 (Lim. 7)
C-AM-7	OPTIONAL Vapor Barrier	Min. 2-inch ENRGY 3, ENRGY 3 CGF, ENRGY 3 FR or E3 C1	<i>Fastener &amp; Plates</i> secured 1 fastener per 1ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	<i>OSFA</i> , <i>RSUA</i> or <i>2-Part UIA</i> applied 4-inch o.c.	<i>JM PVC</i> or <i>JM PVC SD Plus</i>	<i>PVC WBMA</i> or <i>PVC ASSBA</i>	-45 (Lim. 7)
C-AM-8	OPTIONAL Vapor Barrier	Min. 2-inch ENRGY 3, ENRGY 3 CGF, ENRGY 3 FR or E3 C1	<i>Fastener &amp; Plates</i> secured 1 fastener per 1ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	<i>OSFA</i> , <i>RSUA</i> or <i>2-Part UIA</i> applied 4-inch o.c.	<i>JM PVC FB</i>	<i>RSUA</i> applied 12-inch o.c., <i>RSUA(S)</i> , <i>PVC WBMA</i> , or <i>ASBA</i>	-45 (Lim. 7)
C-AM-9	OPTIONAL Vapor Barrier	Min. 2-inch E3 or E3 C1	<i>Fastener &amp; Plates</i> secured 1 fastener per 1.6ft <sup>2</sup>	Min. 1.5-inch E3 or E3 C1	<i>OSFA</i> , <i>RSUA</i> , <i>2-Part UIA-C(B)</i> , or <i>2-Part UIA</i> applied 6-inch o.c.	<i>JM PVC FB</i>	<i>RSUA</i> 12-inch o.c.	-45 (Lim. 7)
C-AM-10	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch ENRGY 3	<i>Fastener &amp; Plates</i> secured 8 per 4-ft x 8-ft board Pattern #2	<i>JM PVC</i> or <i>JM PVC SD Plus</i>	<i>PVC ASSBA</i>	-45 (Lim. 7)
C-AM-11	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	<i>SECUROCK</i>	<i>DF</i> or <i>Fastener &amp; Plates</i> secured 1 fastener per 1.33ft <sup>2</sup>	<i>JM PVC</i> or <i>JM PVC SD Plus</i>	<i>PVC MA (LowVOC)</i> applied at 1-1.1 gal/100ft <sup>2</sup> or <i>PVC ASSBA</i>	-52.5 (Lim. 7)
C-AM-12	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	<i>SECUROCK</i>	<i>DF</i> or <i>Fastener &amp; Plates</i> secured 1 fastener per 1.33ft <sup>2</sup>	<i>JM PVC FB</i>	<i>2-Part UIA(S)</i>	-52.5 (Lim. 7)
C-AM-13	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	<i>SECUROCK</i>	<i>DF</i> or <i>Fastener &amp; Plates</i> secured 1 fastener per 1.33ft <sup>2</sup>	Base Ply: <i>DynaBase HW</i>  Membrane: <i>JM PVC FB</i>	Base Ply: Torch Adhered  Membrane: <i>RSUA</i> applied 12-inch o.c. or <i>RSUA(S)</i>	-52.5 (Lim. 7)
C-AM-14	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch ENRGY 3	<i>Fastener &amp; Plates</i> secured 1 fastener per 1.33ft <sup>2</sup>	<i>SECUROCK</i>	<i>OSFA</i> , <i>RSUA</i> or <i>2-Part UIA</i> applied 12-inch o.c.	<i>JM PVC</i> or <i>JM PVC SD Plus</i>	<i>PVC MA (LowVOC)</i> applied 1-1.1 gal/100ft <sup>2</sup> or <i>PVC ASSBA</i>	-52.5 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Assemblies with Adhered Membranes over Insulated <i>Concrete Deck</i> (New, Existing, or Recover)								
System No.	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Base Sheet	Top Insulation or Base Sheet Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
C-AM-15	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch ENRGY 3	Fastener & Plates secured 1 fastener per 1.33ft <sup>2</sup>	SECUROCK	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	Base Ply: DynaBase HW Membrane: JM PVC FB	Base Ply: Torch Adhered Membrane: RSUA applied 12-inch o.c. or RSUA(S)	-52.5 (Lim. 7)
C-AM-16	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 1.5-inch E3	Fastener & Plates secured 1 fastener per 1.78ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt	-52.5 (Lim. 7)
C-AM-17	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	DensDeck Prime	Fastener & Plates secured 1 fastener per 1.78ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	-52.5 (Lim. 7)
C-AM-18	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	DensDeck Prime	Fastener & Plates secured 1 fastener per 1.78ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-52.5 (Lim. 7)
C-AM-19	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	SECUROCK	DF or AP Fasteners & Plates (Square) secured 1 fastener per 1.00ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) applied at 1-1.1 gal/100ft <sup>2</sup>	-60 (Lim. 7)
C-AM-20	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	SECUROCK	DF or AP Fasteners & Plates (Square) secured 1 fastener per 1.00ft <sup>2</sup>	JM PVC FB	2-Part UIA(S)	-60 (Lim. 7)
C-AM-21	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch ENRGY 3	Fastener & Plates secured at a rate of 1 fastener per 1.78ft <sup>2</sup>	Min 1/2-inch SECUROCK	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	Base Ply: DynaBase HW Membrane: JM PVC FB	Base Ply: Torch Adhered Membrane: RSUA applied 12-inch o.c. or RSUA(S)	-60 (Lim. 7)
C-AM-22	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch ENRGY 3	Fastener & Plates secured at a rate of 1 fastener per 1.78ft <sup>2</sup>	Min 1/2-inch SECUROCK	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) applied at 1-1.1 gal/100ft <sup>2</sup>	-60 (Lim. 7)
C-AM-23	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch ENRGY 3	Fastener & Plates secured at a rate of 1 fastener per 1.78ft <sup>2</sup>	Min 1/2-inch SECUROCK	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-60 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Assemblies with Adhered Membranes over Insulated <i>Concrete Deck</i> (New, Existing, or Recover)								
System No.	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Base Sheet	Top Insulation or Base Sheet Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
C-AM-24	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch ENRGY 3	Simultaneously secured with top layer	SECUROCK	DF or Fastener & Plates secured 1 fastener per 1.78ft <sup>2</sup>	Base Ply: DynaBase HW Membrane: JM PVC FB	Base Ply: Torch Adhered Membrane: RSUA applied 12-inch o.c. or RSUA(S)	-60 (Lim. 7)
C-AM-25	OPTIONAL Vapor Barrier	Min. 2-inch ENRGY 3, ENRGY 3 CGF, ENRGY 3 FR or E3 C1	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	OSFA, RSUA or 2-Part UIA applied 4-inch o.c.	JM PVC FB	2-Part UIA(S)	-60 (Lim. 7)
C-AM-26	OPTIONAL Vapor Barrier	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	Min. 1.5-inch E3 or E3 C1	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 6-inch o.c.	JM PVC FB	2-Part UIA(S)	-60 (Lim. 7)
C-AM-27	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch ENRGY 3 or ProtectoR Foam	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	JM PVC FB	2-Part UIA(S)	-60 (Lim. 7)
C-AM-28	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	SECUROCK or JM Invinsa	RSUA or 2-Part UIA applied 6-inch o.c.	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	-67.5 (Lim. 7)
C-AM-29	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	SECUROCK	OSFA, RSUA or 2-Part UIA applied 6-inch o.c.	Base Ply: DynaBase HW Membrane: JM PVC FB	Base Ply: Torch Adhered Membrane: RSUA applied 12-inch o.c. or RSUA(S)	-67.5 (Lim. 7)
C-AM-30	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch ENRGY 3 CGF or ENRGY 3 FR	Fastener & Plates secured 1 fastener per 2.0ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-67.5 (Lim. 7)
C-AM-31	OPTIONAL Vapor Barrier	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	Min. 0.5-inch ProtectoR HD, DEXcell FA, or SECUROCK	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 6-inch o.c.	JM PVC FB	RSUA 12-inch o.c. or RSUA(S)	-67.5 (Lim. 7)
C-AM-32	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	Min 0.5-inch DensDeck Prime	Fastener & Plates secured 1 fastener per 1.78ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	-67.5 (Lim. 7)
C-AM-33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	Min 0.5-inch DensDeck Prime	Fastener & Plates secured 1 fastener per 1.78ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-67.5 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Assemblies with Adhered Membranes over Insulated <i>Concrete Deck</i> (New, Existing, or Recover)								
System No.	Thermal/ Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Base Sheet	Top Insulation or Base Sheet Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
C-AM-34	OPTIONAL <i>Vapor Barrier</i>	OPTIONAL <i>INSULATION</i>	Simultaneously secured with top layer	Min. 2-inch E3, E3 C1, or ProtectoR Foam	<i>Fastener &amp; Plates</i> secured 1 fastener per 1.6ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-75 (Lim. 7)
C-AM-35	OPTIONAL <i>Vapor Barrier</i>	OPTIONAL <i>INSULATION</i>	Simultaneously secured with top layer	Min. 2-inch E3 or E3 C1	<i>Fastener &amp; Plates</i> secured 1 fastener per 1.6ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-75 (Lim. 7)
C-AM-36	OPTIONAL <i>Vapor Barrier</i>	OPTIONAL <i>INSULATION</i>	Simultaneously secured with top layer	Min. 2-inch InvinSA Foam	<i>Fastener &amp; Plates</i> secured 1 fastener per 2.0ft <sup>2</sup>	JM PVC SD Plus	PVC MA (LowVOC)	-75 (Lim. 7)
C-AM-37	OPTIONAL <i>Vapor Barrier</i>	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch SECUROCK	<i>Fastener &amp; Plates</i> secured 1 fastener per 1.6ft <sup>2</sup>	JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-75 (Lim. 7)
C-AM-38	OPTIONAL <i>Vapor Barrier</i>	Min. 2-inch E3 or E3 C1	<i>Fastener &amp; Plates</i> secured 1 fastener per 1.6ft <sup>2</sup>	Min. 0.5-inch ProtectoR HD, DensDeck Prime, or SECUROCK	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC ASSBA	-82.5 (Lim. 7)
C-AM-39	OPTIONAL <i>Vapor Barrier</i>	Min. 2-inch E3 or E3 C1	<i>Fastener &amp; Plates</i> secured 1 fastener per 1.6ft <sup>2</sup>	Min. 0.5-inch ProtectoR HD, DensDeck Prime, DEXcell FA, or SECUROCK	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-82.5 (Lim. 7)
C-AM-40	OPTIONAL <i>Vapor Barrier</i>	Min. 2-inch E3 or E3 C1	<i>Fastener &amp; Plates</i> secured 1 fastener per 1.6ft <sup>2</sup>	Min. 0.5-inch ProtectoR HD, DEXcell FA, or SECUROCK	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 6-inch o.c.	JM PVC FB	2-Part UIA(S)	-82.5 (Lim. 7)
C-AM-41	OPTIONAL <i>Vapor Barrier</i>	Min. 2-inch E3 or E3 C1	<i>Fastener &amp; Plates</i> secured 1 fastener per 1.6ft <sup>2</sup>	Min. 1.5-inch E3 or E3 C1	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-82.5 (Lim. 7)
C-AM-42	OPTIONAL <i>Vapor Barrier</i>	Min. 2-inch E3 or E3 C1	<i>Fastener &amp; Plates</i> secured 1 fastener per 1.6ft <sup>2</sup>	Min. 1.5-inch E3 or E3 C1	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC ASSBA	-82.5 (Lim. 7)
C-AM-43	OPTIONAL <i>Vapor Barrier</i>	OPTIONAL <i>INSULATION</i> under min. 1.5-inch E3	Simultaneously secured with top layer	Min 0.625-inch DensDeck Prime	<i>Fastener &amp; Plates</i> secured 1 fastener per 1.33ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC WBMA	-90 (Lim. 7)
C-AM-44	OPTIONAL <i>Vapor Barrier</i>	OPTIONAL <i>INSULATION</i> under min. 1.5-inch E3	Simultaneously secured with top layer	Min 0.625-inch DensDeck Prime	<i>Fastener &amp; Plates</i> secured 1 fastener per 1.33ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt	-90 (Lim. 7)



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Insulated Concrete Deck (New, Existing, or Recover)</b>								
System No.	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Base Sheet	Top Insulation or Base Sheet Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
C-AM-45	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DEXcell FA	Fastener & Plates or DF secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) applied at 1.0 gal/100ft <sup>2</sup>	-105 (Lim. 7)
C-AM-46	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DEXcell FA	Fastener & Plates or DF secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-105 (Lim. 7)
C-AM-47	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch ENRGY 3 CGF or ENRGY 3 FR	Fastener & Plates secured 1 fastener per 1.33ft <sup>2</sup>	JM PVC SD Plus	PVC MA (LowVOC)	-105 (Lim. 7)
C-AM-48	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DensDeck Prime	Fastener & Plates secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-112.5 (Lim. 7)
C-AM-49	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DensDeck Prime	Fastener & Plates secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-112.5 (Lim. 7)
C-AM-50	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch E3, E3 C1, or ProtectoR Foam	Fastener & Plates secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-120 (Lim. 7)
C-AM-51	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-120 (Lim. 7)
C-AM-52	OPTIONAL Vapor Barrier	Min. 2-inch ENRGY 3, ENRGY 3 CGF, ENRGY 3 FR or E3 C1	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	OSFA, RSUA or 2-Part UIA applied 4-inch o.c.	JM PVC or PVC SD Plus	PVC MA (LowVOC)	-120 (Lim. 7)
C-AM-53	OPTIONAL Vapor Barrier	Min. 2-inch ENRGY 3, ENRGY 3 CGF, ENRGY 3 FR or E3 C1	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	OSFA, RSUA or 2-Part UIA applied 4-inch o.c.	JM PVC FB	ASTM D 312 Type IV Asphalt	-120 (Lim. 7)
C-AM-54	OPTIONAL Vapor Barrier	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	ProtectoR HD	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 4-inch o.c.	JM PVC or PVC SD Plus	PVC MA (LowVOC)	-120 (Lim. 7)
C-AM-55	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DEXcell FA	Fastener & Plates or DF secured 1 fastener per 1ft <sup>2</sup>	JM PVC FB	2-Part UIA(S)	-135 (Lim. 7)



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Mechanically Fastened Assemblies over Concrete Deck (New or Existing)</b>							
System No.	Base Insulation <a href="#">(Note 11)</a>	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
C-M-1	OPTIONAL INSULATION under min. 1-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC	Attached in-lap 6-inch o.c. with Extra HL Fastener & Plates; Fastener rows max. 114-inch o.c.	<b>-37.5 (Lim. 7)</b>
C-M-2	OPTIONAL INSULATION under min. 1-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC	Attached in-lap 12-inch o.c. with HL Fasteners & Plates; Min. 5-inch wide side laps; Fastener rows max. 73-inch o.c.	<b>-45 (Lim. 7)</b>
C-M-3	OPTIONAL INSULATION under min. 1-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC, JM PVC SD Plus, or JM PVC SL	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 6-inch wide side laps; Fastener rows max. 114-inch o.c.	<b>-45 (Lim. 7)</b>
C-M-4	OPTIONAL INSULATION under min. 1-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC SD Plus	Attached in-lap 12-inch o.c. with HL Fasteners & Plates; Min. 6-inch wide side laps; Fastener rows max. 54-inch o.c.	<b>-45 (Lim. 7)</b>
C-M-5	OPTIONAL INSULATION under min. 1.5-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Fastener rows max. 72-inch o.c.	<b>-45 (Lim. 7)</b>
C-M-6	OPTIONAL INSULATION under min. 1.5-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC (Min. 60 mil)	Attached in-lap 12-inch o.c. with HL Fasteners & Plates; Min. 5-inch wide side laps with min. 2-inch wide heat welds; Fastener rows max. 73-inch o.c.	<b>-52.5 (Lim. 7)</b>
C-M-7	OPTIONAL INSULATION under min. 1.5-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC FB/ DynaFast	HL Fasteners & Plates spaced 6-inch o.c within each min. 4-inch heat welded side laps in rows max. 70-inch o.c.	<b>-52.5 (Lim. 9)</b>
C-M-8	OPTIONAL INSULATION under min. 1.5-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 5-inch wide side laps; Fastener rows max. 73-inch o.c.	<b>-60 (Lim. 7)</b>
C-M-9	OPTIONAL INSULATION under min. 1.5-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC SD Plus or JM PVC SL	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 6-inch wide side laps; Fastener rows max. 54-inch o.c.	<b>-60 (Lim. 7)</b>
C-M-10	OPTIONAL INSULATION under min. 1.5-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC or JM PVC FB	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 4.5-inch wide side laps with min. 2-inch wide heat welds; Fastener rows max. 114-inch o.c.	<b>-60 (Lim. 7)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Mechanically Fastened Assemblies over Concrete Deck (New or Existing)</b>							
System No.	Base Insulation <a href="#">(Note 11)</a>	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
C-M-11	OPTIONAL INSULATION under min. 1.5-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC	Attached in-lap 6-inch o.c. with <i>HL Fasteners &amp; Plates</i> ; Min. 5.5-inch wide side laps with min. 2-inch wide heat welds; Fastener rows max. 114-inch o.c.	<b>-60 (Lim. 7)</b>
C-M-12	OPTIONAL INSULATION under min. 1.5-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC	Attached in-lap 6-inch o.c. with Extra High Load Fasteners & OMG Super XHD 2-3/4 Barbed Plates; Min. 5.5-inch wide side laps with min. 2-inch wide heat welds; Fastener rows max. 114-inch o.c.	<b>-60 (Lim. 7)</b>
C-M-13	OPTIONAL INSULATION under min. 1.5-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC FB/ DynaFast	<i>APB Fasteners &amp; Plates</i> spaced 6-inch o.c within each min. 4-inch heat welded side lap.	<b>-60 (Lim. 9)</b>
C-M-14	OPTIONAL INSULATION under min. 1-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC FB/ DynaFast	<i>HL Fasteners &amp; Plates</i> spaced 12-inch o.c within each min. 4-inch heat welded side lap.	<b>-60 (Lim. 9)</b>
C-M-15	OPTIONAL INSULATION under min. 1.5-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC FB/ DynaFast	<i>HL Fasteners &amp; Plates</i> spaced 12-inch o.c within each min. 6-inch heat welded side lap.	<b>-67.5 (Lim. 9)</b>
C-M-16	OPTIONAL INSULATION under min. 1-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC (Min. 60 mil)	Attached in-lap 6-inch o.c. with <i>HL Fasteners &amp; Plates</i> ; Min. 6-inch wide side laps with min. 2-inch wide heat welds; Fastener rows max. 72-inch o.c.	<b>-75 (Lim. 7)</b>

<b>Induction Welded Assemblies over Concrete Deck (New, Existing, or Recover)</b>							
System No.	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
C-W-1	INSULATION	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i> ; IW #14 spaced 12-inch o.c. in rows 72-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-37.5 (Lim. 7)</b>
C-W-2	INSULATION	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	Attached with ISOWELD-#14 or ISOWELD-#15 spaced 12-inch o.c. in rows 60-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-37.5 (Lim. 7)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Induction Welded Assemblies over Concrete Deck (New, Existing, or Recover)</b>							
System No.	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
C-W-3	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with ISOWELD-#14 or ISOWELD-#15 spaced in a 2-ft x 3-ft staggered grid	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to Isoweld plates	<b>-37.5 (Lim. 7)</b>
C-W-4	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with ISOWELD-#14 or ISOWELD-#15 spaced in a 2-ft x 3-ft staggered grid	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-37.5 (Lim. 7)</b>
C-W-5	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	<i>Preliminarily Secured;</i> IW #14 spaced 12-inch o.c. in rows 60-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-45 (Lim. 7)</b>
C-W-6	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with ISOWELD-#14 or ISOWELD-#15 spaced 24-inch o.c. in rows 24-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-45 (Lim. 7)</b>
C-W-7	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with ISOWELD-#14 or ISOWELD-#15 spaced 12-inch o.c. in rows 60-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-45 (Lim. 7)</b>
C-W-8	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with IW #14 in a 2-ft x 2-ft staggered grid pattern	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-52.5 (Lim. 7)</b>
C-W-9	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with ISOWELD-#14 or ISOWELD-#15 spaced 6-inch o.c. in rows 60-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-60 (Lim. 7)</b>
C-W-10	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with IW #14 at a rate of 8 per 4-ft x 8-ft board Pattern #1 (1 fastener per 4.0-ft <sup>2</sup> )	JM PVC or (Min. 60 mil)	Induction welded to weld plates	<b>-67.5 (Lim. 7)</b>
C-W-11	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with ISOWELD-#14 or ISOWELD-#15 spaced 18-inch o.c. in rows 24-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-67.5 (Lim. 7)</b>
C-W-12	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with IW #14 spaced 6-inch o.c. in rows 138-inch o.c.; Induction weld plates centered between membrane side laps	JM PVC (Min. 60 mil)	Induction welded to weld plates and attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 6-inch wide side laps; In-lap fastener rows max. 138-inch o.c.	<b>-67.5 (Lim. 7)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Induction Welded Assemblies over Concrete Deck (New, Existing, or Recover)</b>							
System No.	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
C-W-13	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL <i>Cover Board</i>	<i>Preliminarily Secured; IW #14 spaced 6-inch o.c. in rows 72-inch o.c.</i>	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-82.5 (Lim. 7)</b>
C-W-14	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL <i>Cover Board</i>	Attached with ISOWELD-#14 or ISOWELD-#15 spaced in a 1.5-ft x 2-ft staggered grid	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-82.5 (Lim. 7)</b>
C-W-15	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL <i>Cover Board</i>	Attached with ISOWELD-#14 or ISOWELD-#15 spaced 18-inch o.c. in rows 18-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-82.5 (Lim. 7)</b>
C-W-16	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL <i>Cover Board</i>	<i>Preliminarily Secured; IW #14 spaced 12-inch o.c. in rows 60-inch o.c.</i>	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-90 (Lim. 7)</b>
C-W-17	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL <i>Cover Board</i>	Attached with IW #14 at a rate of 15 per 4-ft x 8-ft board (1 fastener per 2.13-ft <sup>2</sup> )	JM PVC (Min. 60 mil)	Induction welded to weld plates	<b>-90 (Lim. 7)</b>
C-W-18	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL <i>Cover Board</i>	Attached with ISOWELD-#14 or ISOWELD-#15 spaced 6-inch o.c. in rows 60-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-90 (Lim. 7)</b>

<b>Adhered Assemblies over CWF Deck (New or Existing)</b>								
System No.	Vapor Barrier	Base Insulation <a href="#">(Note 6)</a>	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 9)</a>	MDP (psf)
CW-A-1	-	OPTIONAL Min. 1-inch ENRGY 3	OSFA applied 12-inch o.c.	JM Invinso or Protector HD	OSFA or 2-Part UIA applied 12-inch o.c.	JM PVC	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup> or PVC WBMA	<b>-112.5 (Lim. 9)</b>
CW-A-2	-	OPTIONAL Min. 1-inch ENRGY 3	OSFA applied 12-inch o.c.	JM Invinso or Protector HD	OSFA or 2-Part UIA applied 12-inch o.c.	JM PVC SD Plus	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup> or PVC WBMA	<b>-112.5 (Lim. 9)</b>
CW-A-3	-	OPTIONAL Min. 1-inch ENRGY 3	OSFA applied 12-inch o.c.	SECUROCK	RSUA, OSFA, or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	<b>-140 (Lim. 9)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Assemblies over CWF Deck (New or Existing)								
System No.	Vapor Barrier	Base Insulation ( <a href="#">Note 6</a> )	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment ( <a href="#">Note 9</a> )	MDP (psf)
CW-A-4	OPTIONAL Vapor Barriers for Adhered Assemblies over CWF Deck	Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	-	-	JM PVC	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup>	<b>-150 (Lim. 9)</b>
CW-A-5	OPTIONAL Vapor Barriers for Adhered Assemblies over CWF Deck	Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	-	-	JM PVC SD Plus	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup>	<b>-150 (Lim. 9)</b>
CW-A-6	-	Min. 1-inch ENRGY 3 or ProtectorR Foam	OSFA applied 12-inch o.c.	-	-	JM PVC	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup>	<b>-157.5 (Lim. 9)</b>
CW-A-7	-	Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	-	-	JM PVC SD Plus	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup>	<b>-157.5 (Lim. 9)</b>
CW-A-8	OPTIONAL Vapor Barriers for Adhered Assemblies over CWF Deck	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA or RSUA applied 12-inch o.c.	ProtectorR HD	OSFA or RSUA applied 12-inch o.c.	JM PVC JM PVC SD Plus	PVC WBMA or PVC MA (LowVOC)	<b>-157.5 (Lim. 9)</b>
CW-A-9	OPTIONAL Vapor Barriers for Adhered Assemblies over CWF Deck	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA or RSUA applied 12-inch o.c.	ProtectorR HD	OSFA or RSUA applied 12-inch o.c.	JM PVC SD Plus	PVC ASSBA	<b>-157.5 (Lim. 9)</b>
CW-A-10	OPTIONAL Vapor Barriers for Adhered Assemblies over CWF Deck	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA or RSUA applied 12-inch o.c.	ProtectorR HD	OSFA or RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S) or PVC WBMA	<b>-157.5 (Lim. 9)</b>
CW-A-11	OPTIONAL Vapor Barriers for Adhered Assemblies over CWF Deck	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA or RSUA applied 12-inch o.c.	DensDeck Prime	OSFA or RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	<b>-157.5 (Lim. 9)</b>
CW-A-12	-	Min. 475 psi Celcore MF with HS Rheology Admixture installed	Poured-in-place	-	-	JM PVC FB	RSUA applied 12-inch o.c.	<b>-167.5 (Lim. 9)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Assemblies over CWF Deck (New or Existing)								
System No.	Vapor Barrier	Base Insulation ( <a href="#">Note 6</a> )	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment ( <a href="#">Note 9</a> )	MDP (psf)
CW-A-13	-	Min. 475 psi Celcore MF with HS Rheology Admixture installed	Poured-in-place	-	-	JM PVC FB	RSUA applied 4-inch o.c. or RSUA(S)	-197.5 (Lim. 9)

Assemblies with Adhered Membranes over Cementitious Wood Fiber Deck (New or Existing)							
System No.	Base Insulation/Sheet	Base Insulation/Sheet Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment ( <a href="#">Note 10</a> )	MDP (psf)
CW-AM-1	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	Min. 0.5-inch E3 or E3 C1	2-Part UIA, applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-45 (Lim. 7)
CW-AM-2	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	Min. 0.5-inch E3 or E3 C1	2-Part UIA, applied 12-inch o.c.	JM PVC FB	RSUA 12-inch o.c., RSUA(S), or 2-Part UIA(S)	-45 (Lim. 7)
CW-AM-3	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	Invinsa, ProtectoR HD, SeparatoR CGF, DensDeck Prime, or SECUROCK	2-Part UIA, applied 12-inch o.c.	JM PVC	PVC WBMA	-45 (Lim. 7)
CW-AM-4	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	DensDeck Prime	2-Part UIA, applied 12-inch o.c.	JM PVC SD Plus	PVC WBMA	-45 (Lim. 7)
CW-AM-5	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	ProtectoR HD, SeparatoR CGF, DensDeck Prime, or SECUROCK	2-Part UIA, applied 12-inch o.c.	JM PVC	PVC MA (LowVOC)	-45 (Lim. 7)
CW-AM-6	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	DensDeck Prime	2-Part UIA, applied 12-inch o.c.	JM PVC	ASBA	-45 (Lim. 7)



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Cementitious Wood Fiber Deck (New or Existing)</b>							
System No.	Base Insulation/Sheet	Base Insulation/Sheet Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
CW-AM-7	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	ProtectoR HD, SeparatoR CGF, DensDeck Prime, or SECUROCK	2-Part UIA, applied 12-inch o.c.	JM PVC FB	PVC WBMA	-45 (Lim. 7)
CW-AM-8	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	ProtectoR HD, SeparatoR CGF, SECUROCK	2-Part UIA, applied 12-inch o.c.	JM PVC FB	2-Part UIA(C)	-45 (Lim. 7)
CW-AM-9	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	SeparatoR CGF, SECUROCK	2-Part UIA, applied 12-inch o.c.	JM PVC FB	ASTM D 312, Type IV asphalt	-45 (Lim. 7)

<b>Mechanically Fastened Assemblies over CWF Deck (New or Existing)</b>							
System No.	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
CW-M-1	-	-	-	-	JM PVC FB/ DynaFast	1.8-inch Twin Loc-Nail without integrated plate fastened 6-inch o.c. along Straight Line Batten Bar within min. 4-inch heat welded side laps and in one intermediate row centered between side laps	-60 (Lim. 9)

<b>Adhered Assemblies over Poured Gypsum Deck (New or Existing)</b>							
System No.	Base Insulation <a href="#">(Note 6)</a>	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 9)</a>	MDP (psf)
G-A-1	OPTIONAL Min. 0.5-inch E3 over OPTIONAL GlasPly IV, GlasPly Premier, PermaPly 28, or DynaBase in ASTM D 312, Type IV asphalt	2-Part UIA applied 12-inch o.c.	ProtectoR HD	2-Part UIA, RSUA or OSFA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA or PVC MA (LowVOC)	-45 (Lim. 9)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Assemblies over Poured Gypsum Deck (New or Existing)							
System No.	Base Insulation (Note 6)	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment (Note 9)	MDP (psf)
G-A-2	OPTIONAL Min. 0.5-inch E3 over OPTIONAL GlasPly IV, GlasPly Premier, PermaPly 28, or DynaBase in ASTM D 312, Type IV asphalt	2-Part UIA applied 12-inch o.c.	ProtectoR HD	2-Part UIA, RSUA or OSFA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S), PVC WBMA, or PVC MA (LowVOC)	-45 (Lim. 9)
G-A-3	Min. 1.5-inch E3 (no FR) or ProtectoR Foam	2-Part UIA applied 12-inch o.c.	-	-	JM PVC	PVC MA (LowVOC) or PVC ASSBA (E3 only, no AGF)	-60 (Lim. 9)
G-A-4	Min. 1.5-inch E3 (no FR) or ProtectoR Foam	2-Part UIA applied 12-inch o.c.	-	-	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	-60 (Lim. 9)
G-A-5	OPTIONAL Min. 1.5-inch E3 (no FR)	2-Part UIA applied 12-inch o.c.	JM Invinsa or ProtectoR HD	2-Part UIA applied 12-inch o.c.	JM PVC	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup> , PVC WBMA or PVC ASSBA (no Invinsa)	-60 (Lim. 9)
G-A-6	OPTIONAL Min. 1.5-inch E3 (no FR)	2-Part UIA applied 12-inch o.c.	JM Invinsa or ProtectoR HD	2-Part UIA applied 12-inch o.c.	JM PVC SD Plus	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup> , PVC WBMA or PVC ASSBA (no Invinsa)	-60 (Lim. 9)
G-A-7	OPTIONAL Min. 1.5-inch E3 (no FR)	2-Part UIA applied 12-inch o.c.	SECUROCK	RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA or PVC ASSBA	-60 (Lim. 9)
G-A-8	Min. 1-inch ENRGY 3 or ProtectoR Foam	OSFA applied 12-inch o.c.	-	-	JM PVC or JM PVC SD Plus	PVC MA (LowVOC); Applied 1.67 gal/100ft <sup>2</sup> , PVC WBMA or PVC ASSBA (no ProtectoR Foam)	-77.5 (Lim. 9)
G-A-9	OPTIONAL Min. 1-inch ENRGY 3	OSFA applied 12-inch o.c.	JM Invinsa or ProtectoR HD	OSFA applied 12-inch o.c.	JM PVC	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup> , PVC WBMA or PVC ASSBA (no Invinsa)	-77.5 (Lim. 9)
G-A-10	OPTIONAL Min. 1-inch ENRGY 3	OSFA applied 12-inch o.c.	JM Invinsa or ProtectoR HD	OSFA applied 12-inch o.c.	JM PVC SD Plus	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup> , PVC WBMA or PVC ASSBA (no Invinsa)	-77.5 (Lim. 9)
G-A-11	OPTIONAL Min. 1-inch ENRGY 3	OSFA applied 12-inch o.c.	JM Invinsa or ProtectoR HD	OSFA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S) or PVC WBMA	-77.5 (Lim. 9)
G-A-12	OPTIONAL Min. 1-inch ENRGY 3	OSFA applied 12-inch o.c.	JM Invinsa	OSFA applied 12-inch o.c.	JM PVC FB	ASBA	-77.5 (Lim. 9)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Assemblies over Poured Gypsum Deck (New or Existing)							
System No.	Base Insulation (Note 6)	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment (Note 9)	MDP (psf)
G-A-13	OPTIONAL OPTIONAL Min. 1-inch ENRGY 3	OSFA applied 12-inch o.c.	SECUROCK	RSUA or OSFA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-77.5 (Lim. 9)
G-A-14	OPTIONAL OPTIONAL Min. 1-inch ENRGY 3	OSFA applied 12-inch o.c.	SECUROCK	RSUA or OSFA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-77.5 (Lim. 9)
G-A-15	JM Invinsa	OSFA applied 12-inch o.c.	-	-	JM PVC	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup> or PVC WBMA	-92.5 (Lim. 9)
G-A-16	JM Invinsa	OSFA applied 12-inch o.c.	-	-	JM PVC SD Plus	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup> or PVC WBMA	-92.5 (Lim. 9)
G-A-17	OPTIONAL Min. 1.5-inch E3 (no FR)	UIA applied 12-inch o.c.	JM Invinsa or ProtectoR HD	UIA applied 12-inch o.c.	JM PVC	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup> or PVC WBMA	-112.5 (Lim. 9)
G-A-18	OPTIONAL Min. 1.5-inch E3 (no FR)	UIA applied 12-inch o.c.	ProtectoR HD	UIA applied 12-inch o.c.	JM PVC	PVC ASSBA	-112.5 (Lim. 9)
G-A-19	OPTIONAL Min. 1.5-inch E3 (no FR)	UIA applied 12-inch o.c.	JM Invinsa or ProtectoR HD	UIA applied 12-inch o.c.	JM PVC SD Plus	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup> or PVC WBMA	-112.5 (Lim. 9)
G-A-20	OPTIONAL Min. 1.5-inch E3 (no FR)	UIA applied 12-inch o.c.	ProtectoR HD	UIA applied 12-inch o.c.	JM PVC SD Plus	PVC ASSBA	-112.5 (Lim. 9)
G-A-21	Min. 1.5-inch ENRGY 3 or ProtectoR Foam	OSFA applied 12-inch o.c.	-	-	JM PVC SD Plus	PVC ASSBA	-142.5 (Lim. 9)
G-A-22	Min. 1.5-inch E3 or ProtectoR Foam	OSFA applied 12-inch o.c.	-	-	JM PVC FB	2-Part UIA(S)	-150 (Lim. 9)
G-A-23	Min. 1.5-inch ENRGY 3 or ProtectoR Foam	OSFA applied 12-inch o.c.	-	-	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-150 (Lim. 9)
G-A-24	Min. 1.5-inch ENRGY 3 or ProtectoR Foam	OSFA applied 12-inch o.c.	-	-	JM PVC SD Plus	PVC ASSBA	-150 (Lim. 9)
G-A-25	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	ProtectoR	OSFA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-150 (Lim. 9)
G-A-26	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	ProtectoR	OSFA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA or PVC MA (LowVOC)	-150 (Lim. 9)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Assemblies over Poured Gypsum Deck (New or Existing)							
System No.	Base Insulation (Note 6)	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment (Note 9)	MDP (psf)
G-A-27	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	<i>ProtectoR</i>	OSFA applied 12-inch o.c.	<i>JM PVC SD Plus</i>	<i>PVC ASSBA</i>	<b>-150 (Lim. 9)</b>
G-A-28	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	<i>DensDeck Prime</i>	OSFA applied 12-inch o.c.	<i>JM PVC or JM PVC SD Plus</i>	<i>PVC MA (LowVOC)</i>	<b>-150 (Lim. 9)</b>
G-A-29	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	<i>DensDeck Prime</i>	OSFA applied 12-inch o.c.	<i>JM PVC SD Plus</i>	<i>PVC ASSBA</i>	<b>-150 (Lim. 9)</b>
G-A-30	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	<i>DensDeck Prime</i>	OSFA applied 12-inch o.c.	<i>JM PVC FB</i>	<i>2-Part UIA(S) or ASTM D 312, Type IV Asphalt</i>	<b>-150 (Lim. 9)</b>
G-A-31	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	<i>SECUROCK</i>	OSFA applied 12-inch o.c.	<i>JM PVC FB</i>	<i>RSUA applied 12-inch o.c. or RSUA(S) after DynaBase HW torched adhered</i>	<b>-150 (Lim. 9)</b>
G-A-32	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	<i>SECUROCK</i>	OSFA applied 12-inch o.c.	<i>JM PVC or JM PVC SD Plus</i>	<i>PVC MA (LowVOC)</i>	<b>-150 (Lim. 9)</b>
G-A-33	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	<i>SECUROCK</i>	OSFA applied 12-inch o.c.	<i>JM PVC SD Plus</i>	<i>PVC ASSBA</i>	<b>-150 (Lim. 9)</b>
G-A-34	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	<i>SECUROCK</i>	OSFA applied 12-inch o.c.	<i>JM PVC FB</i>	<i>2-Part UIA(S) or ASTM D 312, Type IV Asphalt</i>	<b>-150 (Lim. 9)</b>
G-A-35	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	<i>DEXcell CB</i>	OSFA applied 12-inch o.c.	<i>JM PVC or JM PVC SD Plus</i>	<i>PVC MA (LowVOC)</i>	<b>-150 (Lim. 9)</b>
G-A-36	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	<i>DEXcell CB</i>	OSFA applied 12-inch o.c.	<i>JM PVC SD Plus</i>	<i>PVC ASSBA</i>	<b>-150 (Lim. 9)</b>
G-A-37	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	<i>DEXcell FA</i>	OSFA applied 12-inch o.c.	<i>JM PVC or JM PVC SD Plus</i>	<i>PVC MA (LowVOC)</i>	<b>-150 (Lim. 9)</b>
G-A-38	OPTIONAL Min. 1.5-inch ENRGY 3	OSFA applied 12-inch o.c.	<i>DEXcell FA</i>	OSFA applied 12-inch o.c.	<i>JM PVC FB</i>	<i>2-Part UIA(S) or ASTM D 312, Type IV Asphalt</i>	<b>-150 (Lim. 9)</b>
G-A-39	Min. 1.5-inch <i>E3</i> or <i>ProtectoR</i> Foam	<i>RSUA</i> applied 12-inch o.c.	-	-	<i>JM PVC FB</i>	<i>2-Part UIA(S)</i>	<b>-180 (Lim. 9)</b>
G-A-40	OPTIONAL Min. 1.5-inch ENRGY 3	<i>RSUA</i> applied 12-inch o.c.	<i>ProtectoR</i>	<i>RSUA</i> applied 12-inch o.c.	<i>JM PVC FB</i>	<i>2-Part UIA(S)</i>	<b>-180 (Lim. 9)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Assemblies over Poured Gypsum Deck (New or Existing)							
System No.	Base Insulation (Note 6)	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment (Note 9)	MDP (psf)
G-A-41	OPTIONAL Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	ProtectoR	RSUA applied 12-inch o.c.	JM PVC SD Plus	PVC ASSBA	-180 (Lim. 9)
G-A-42	OPTIONAL Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	ProtectoR	RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-180 (Lim. 9)
G-A-43	OPTIONAL Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	DensDeck Prime	RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-210 (Lim. 9)
G-A-44	OPTIONAL Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	DensDeck Prime	RSUA applied 12-inch o.c.	JM PVC SD Plus	PVC ASSBA	-210 (Lim. 9)
G-A-45	OPTIONAL Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	DensDeck Prime	RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S) or ASTM D 312, Type IV Asphalt	-210 (Lim. 9)
G-A-46	OPTIONAL Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	SECUROCK	RSUA applied 12-inch o.c.	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S) after DynaBase HW torched adhered	-210 (Lim. 9)
G-A-47	OPTIONAL Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	SECUROCK	RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-210 (Lim. 9)
G-A-48	OPTIONAL Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	SECUROCK	RSUA applied 12-inch o.c.	JM PVC SD Plus	PVC ASSBA	-210 (Lim. 9)
G-A-49	OPTIONAL Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	SECUROCK	RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S) or ASTM D 312, Type IV Asphalt	-210 (Lim. 9)
G-A-50	OPTIONAL Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	DEXcell CB	RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-210 (Lim. 9)
G-A-51	OPTIONAL Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	DEXcell CB	RSUA applied 12-inch o.c.	JM PVC SD Plus	PVC ASSBA	-210 (Lim. 9)
G-A-52	OPTIONAL Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	DEXcell FA	RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-210 (Lim. 9)
G-A-53	OPTIONAL Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	DEXcell FA	RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S), or ASTM D 312, Type IV Asphalt	-210 (Lim. 9)
G-A-54	Min. 1.5-inch ENRGY 3 or ProtectoR Foam	RSUA applied 12-inch o.c.	-	-	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-210 (Lim. 9)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Assemblies over Poured Gypsum Deck (New or Existing)							
System No.	Base Insulation <a href="#">(Note 6)</a>	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 9)</a>	MDP (psf)
G-A-55	Min. 1.5-inch ENRGY 3 or Protector Foam	RSUA applied 12-inch o.c.	-	-	JM PVC SD Plus	PVC ASSBA	-210 (Lim. 9)
G-A-56	Min. 1.5-inch ENRGY 3	RSUA applied 12-inch o.c.	-	-	JM PVC FB	ASTM D 312 Type IV Asphalt	-210 (Lim. 9)

Assemblies with Adhered Membranes over Insulated Gypsum Deck (New or Existing)							
System No.	Base Insulation	Base Insulation Attachment	Top Insulation or Base Sheet	Top Insulation or Base Sheet Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
G-AM-1	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	Min. 0.5-inch E3 or E3 C1	2-Part UIA, applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-45 (Lim. 7)
G-AM-2	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	Min. 0.5-inch E3 or E3 C1	2-Part UIA, applied 12-inch o.c.	JM PVC FB	RSUA 12-inch o.c., RSUA(S), or 2-Part UIA(S)	-45 (Lim. 7)
G-AM-3	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	Invinsa, Protector HD, SeparatoR CGF, DensDeck Prime, or SECUROCK	2-Part UIA, applied 12-inch o.c.	JM PVC	PVC WBMA	-45 (Lim. 7)
G-AM-4	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	DensDeck Prime	2-Part UIA, applied 12-inch o.c.	JM PVC SD Plus	PVC WBMA	-45 (Lim. 7)



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Insulated Gypsum Deck (New or Existing)</b>							
System No.	Base Insulation	Base Insulation Attachment	Top Insulation or Base Sheet	Top Insulation or Base Sheet Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
G-AM-5	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	ProtectoR HD, SeparatoR CGF, DensDeck Prime, or SECUROCK	2-Part UIA, applied 12-inch o.c.	JM PVC	PVC MA (LowVOC)	-45 (Lim. 7)
G-AM-6	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	DensDeck Prime	2-Part UIA, applied 12-inch o.c.	JM PVC	ASBA	-45 (Lim. 7)
G-AM-7	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	ProtectoR HD, SeparatoR CGF, DensDeck Prime, or SECUROCK	2-Part UIA, applied 12-inch o.c.	JM PVC FB	PVC WBMA	-45 (Lim. 7)
G-AM-8	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	ProtectoR HD, SeparatoR CGF, SECUROCK	2-Part UIA, applied 12-inch o.c.	JM PVC FB	2-Part UIA(C)	-45 (Lim. 7)
G-AM-9	DynaBase or Ventsulation Felt	OlyLok Fasteners spaced 9-inch o.c. at the min. 2-inch wide laps and 18-inch o.c. in two staggered rows in the field of the roll	SeparatoR CGF, SECUROCK	2-Part UIA, applied 12-inch o.c.	JM PVC FB	ASTM D 312, Type IV asphalt	-45 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Mechanically Attached Assemblies over Poured Gypsum Deck (New, Existing, or Recover)</b>							
System No.	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
G-M-1	-	-	-	-	JM PVC FB/ DynaFast	1.8-inch Twin Loc-Nail without integrated plate fastened 6-inch o.c. along Straight Line Batten Bar within min. 4-inch heat welded side laps and in one intermediate row centered between side laps	<b>-60 (Lim. 9)</b>

<b>Adhered Lightweight Concrete Assemblies over Concrete Deck (New or Existing)</b>						
System No.	LWIC	Insulation/Cover Board <a href="#">(Note 6)</a>	Insulation/Cover Board Attachment	Membrane	Membrane Attachment <a href="#">(Note 9)</a>	MDP (psf)
LC-A-1	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: ProtectoR HD, DEXcell FA, or SECUROCK	OSFA or RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	<b>-67.5 (Lim. 9)</b>
LC-A-2	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: SECUROCK	OSFA or RSUA applied 12-inch o.c.	JM PVC FB	RSUA applied 4-inch o.c. or RSUA(S)	<b>-67.5 (Lim. 9)</b>
LC-A-3	Min. 250psi Elastizell with Zell-Crete Fibers installed over DynaBase HW over ASTM D 41 primed concrete	-	-	JM PVC FB	RSUA applied 6-inch o.c. or RSUA(S)	<b>-75 (Lim. 9)</b>
LC-A-4	Min 340psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1	Min. 1.5-inch ENRGY 3 or ProtectoR Foam	RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA or PVC ASSBA	<b>-77.5 (Lim. 9)</b>
LC-A-5	Min 340psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1	Min. 1.5-inch ENRGY 3 or ProtectoR Foam	RSUA applied 12-inch o.c.	JM PVC FB	RSUA applied 4-inch o.c. or RSUA(S)	<b>-77.5 (Lim. 9)</b>
LC-A-6	Min 340psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1	Base Layer: OPTIONAL Min. 1.5-inch E3  Top Layer: SECUROCK	RSUA applied 12-inch o.c.	JM PVC	PVC MA (LowVOC) or PVC ASSBA	<b>-77.5 (Lim. 9)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Adhered Lightweight Concrete Assemblies over Concrete Deck (New or Existing)</b>						
System No.	LWIC	Insulation/Cover Board (Note 6)	Insulation/Cover Board Attachment	Membrane	Membrane Attachment (Note 9)	MDP (psf)
LC-A-7	Min 340psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1	Base Layer: OPTIONAL Min. 1.5-inch E3  Top Layer: SECUROCK	RSUA applied 12-inch o.c.	JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-77.5 (Lim. 9)
LC-A-8	Min 340psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1	Base Layer: OPTIONAL Min. 1.5-inch E3  Top Layer: SECUROCK	RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-77.5 (Lim. 9)
LC-A-9	Min. 300psi LWIC	Min. 1.5-inch ENRGY 3	2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA or PVC ASSBA	-80 (Lim. 9)
LC-A-10	Min. 300psi LWIC	Min. 1.5-inch ENRGY 3	2-Part UIA applied 12-inch o.c.	JM PVC FB	PVC WBMA or ASBA	-80 (Lim. 9)
LC-A-11	Min. 300psi LWIC	Base Layer: OPTIONAL Min. 1.5-inch E3  Top Layer: SECUROCK	2-Part UIA applied 12-inch o.c.	JM PVC	PVC MA (LowVOC) or PVC ASSBA	-80 (Lim. 9)
LC-A-12	Min. 300psi LWIC	Base Layer: OPTIONAL Min. 1.5-inch ENRGY 3 or ENRGY 3 AGF  Top Layer: SECUROCK	2-Part UIA applied 12-inch o.c.	JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-80 (Lim. 9)
LC-A-13	Min. 250psi Elastizell with Zell-Crete Fibers installed over DynaBase HW over ASTM D 41 primed concrete	-	-	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	-85 (Lim. 9)
LC-A-14	Min. 330psi LWIC	-	-	JM PVC FB	PVC WBMA	-90 (Lim. 9)
LC-A-15	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: ProtectoR HD	OSFA applied 12-inch o.c.	JM PVC FB	PVC MA (LowVOC) or PVC WBMA	-90 (Lim. 9)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Adhered Lightweight Concrete Assemblies over Concrete Deck (New or Existing)</b>						
System No.	LWIC	Insulation/Cover Board <a href="#">(Note 6)</a>	Insulation/Cover Board Attachment	Membrane	Membrane Attachment <a href="#">(Note 9)</a>	MDP (psf)
LC-A-16	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: SeparatoR CGF	OSFA applied 12-inch o.c.	JM PVC FB	PVC WBMA, RSUA(S), RSUA applied 4-inch o.c., 2-Part UIA(S), or ASTM D 312, Type IV	<b>-90 (Lim. 9)</b>
LC-A-17	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: DensDeck Prime	OSFA applied 12-inch o.c.	JM PVC FB	PVC WBMA	<b>-90 (Lim. 9)</b>
LC-A-18	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: DEXcell FA	OSFA applied 12-inch o.c.	JM PVC FB	RSUA(S), PVC WBMA or RSUA applied 4-inch o.c.	<b>-90 (Lim. 9)</b>
LC-A-19	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: SECUROCK	OSFA applied 12-inch o.c.	JM PVC FB	PVC WBMA	<b>-90 (Lim. 9)</b>
LC-A-20	Min. 390psi Celcore MF with HS Rheology Admixture installed over OPTIONAL JM Vapor Barrier SA, DynaBase HW, DynaWeld 180 S over ASTM D 41 primed concrete	-	-	JM PVC FB	RSUA(S), PVC WBMA or RSUA applied 6-inch o.c.	<b>-92.5 (Lim. 9)</b>
LC-A-21	Min. 390psi Celcore MF with HS Rheology Admixture installed over OPTIONAL JM Vapor Barrier SA, DynaBase HW, DynaWeld 180 S over ASTM D 41 primed concrete	-	-	JM PVC FB	RSUA(S), PVC WBMA or RSUA applied 12-inch o.c.	<b>-102.5 (Lim. 9)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Adhered Lightweight Concrete Assemblies over Concrete Deck (New or Existing)</b>						
System No.	LWIC	Insulation/Cover Board (Note 6)	Insulation/Cover Board Attachment	Membrane	Membrane Attachment (Note 9)	MDP (psf)
LC-A-22	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: ProtectoR HD	RSUA applied 12-inch o.c.	JM PVC FB	PVC MA (LowVOC)	<b>-105 (Lim. 9)</b>
LC-A-23	Min. 160psi Elastizell	Base Layer: OPTIONAL Min. 1.5-inch E3 (no FR)  Top Layer: JM Invinsa or ProtectoR HD	Base Layer: UIA applied 6-inch o.c. or 2-Part UIA applied 12-inch o.c.  Top Layer: UIA applied 12-inch o.c.	JM PVC	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup> or PVC WBMA	<b>-112.5 (Lim. 9)</b>
LC-A-24	Min. 160psi Elastizell	Base Layer: OPTIONAL Min. 1.5-inch E3 (no FR)  Top Layer: ProtectoR HD	Base Layer: UIA applied 6-inch o.c. or 2-Part UIA applied 12-inch o.c.  Top Layer: UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC ASSBA	<b>-112.5 (Lim. 9)</b>
LC-A-25	Min. 160psi Elastizell	Base Layer: OPTIONAL Min. 1.5-inch E3 (no FR)  Top Layer: JM Invinsa or ProtectoR HD	Base Layer: UIA applied 6-inch o.c. or 2-Part UIA applied 12-inch o.c.  Top Layer: UIA applied 12-inch o.c.	JM PVC SD Plus	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup> or PVC WBMA	<b>-112.5 (Lim. 9)</b>
LC-A-26	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: SeparatoR CGF	RSUA applied 12-inch o.c.	JM PVC FB	RSUA(S), RSUA applied 4-inch o.c. or 2-Part UIA(S)	<b>-112.5 (Lim. 9)</b>
LC-A-27	Min. 250psi Elastizell with Zell-Crete Fibers	-	-	JM PVC FB	RSUA(S) or RSUA applied 12-inch o.c.	<b>-117.5 (Lim. 9)</b>
LC-A-28	Min. 310psi Elastizell with Zell-Crete Fibers	Min. 1.5-inch ENRGY 3 or ProtectoR Foam	2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	<b>-127.5 (Lim. 9)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Adhered Lightweight Concrete Assemblies over Concrete Deck (New or Existing)</b>						
System No.	LWIC	Insulation/Cover Board (Note 6)	Insulation/Cover Board Attachment	Membrane	Membrane Attachment (Note 9)	MDP (psf)
LC-A-29	Min. 310psi Elastizell with Zell-Crete Fibers	Base Layer: OPTIONAL Min. 1.5-inch ENRGY 3 or ENRGY 3 AGF  Top Layer: <b>SECUROCK</b>	2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	<b>-130 (Lim. 9)</b>
LC-A-30	Min. 310psi Elastizell with Zell-Crete Fibers	Base Layer: OPTIONAL Min. 1.5-inch ENRGY 3 or ENRGY 3 AGF  Top Layer: <b>SECUROCK</b>	2-Part UIA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	<b>-130 (Lim. 9)</b>
LC-A-31	Min. 400psi Celcore MF with HS Rheology Admixture with DynaBase PR adhered in DynaSet 1k applied 12-inch o.c.	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: ProtectoR HD or <b>DensDeck Prime</b>	RSUA applied 12-inch o.c.	JM PVC FB	PVC WBMA	<b>-142.5 (Lim. 9)</b>
LC-A-32	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: ProtectoR HD or <b>DensDeck Prime</b>	RSUA applied 12-inch o.c.	JM PVC FB	PVC WBMA	<b>-142.5 (Lim. 9)</b>
LC-A-33	Min. 400psi Celcore MF with HS Rheology Admixture with DynaBase PR adhered in DynaSet 1k applied 12-inch o.c.	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: <b>DEXcell FA</b>	RSUA applied 12-inch o.c.	JM PVC FB	RSUA applied 4-inch o.c. or RSUA(S)	<b>-142.5 (Lim. 9)</b>



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Adhered Lightweight Concrete Assemblies over Concrete Deck (New or Existing)</b>						
System No.	LWIC	Insulation/Cover Board (Note 6)	Insulation/Cover Board Attachment	Membrane	Membrane Attachment (Note 9)	MDP (psf)
LC-A-34	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: DEXcell FA	RSUA applied 12-inch o.c.	JM PVC FB	RSUA applied 4-inch o.c. or RSUA(S)	-142.5 (Lim. 9)
LC-A-35	Min. 380psi Concrecel	-	-	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	-147.5 (Lim. 9)
LC-A-36	Min. 400psi Celcore MF with HS Rheology Admixture with DynaBase PR adhered in DynaSet 1k applied 12-inch o.c.	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: SeparatoR CGF	RSUA applied 12-inch o.c.	JM PVC FB	PVC WBMA	-150 (Lim. 9)
LC-A-37	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: SeparatoR CGF	RSUA applied 12-inch o.c.	JM PVC FB	PVC WBMA	-150 (Lim. 9)
LC-A-38	Min. 400psi Celcore MF with HS Rheology Admixture with DynaBase PR adhered in DynaSet 1k applied 12-inch o.c.	-	-	JM PVC FB	2-Part UIA(S)	-157.5 (Lim. 9)
LC-A-39	Min. 290psi Celcore MF with HS Rheology Admixture	-	-	JM PVC SD Plus	PVC ASSBA	-165 (Lim. 9)
LC-A-40	Min. 480psi Celcore MF with HS Rheology Admixture installed over OPTIONAL DynaBase HW or DynaWeld 180 S	-	-	JM PVC FB	RSUA(S), PVC WBMA or RSUA applied 12-inch o.c.	-167.5 (Lim. 9)
LC-A-41	Min. 380psi Concrecel	-	-	JM PVC FB	RSUA applied 6-inch o.c. or RSUA(S)	-172.5 (Lim. 9)
LC-A-42	Min. 550psi Elastizell with Zell-Fibers	-	-	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	-177.5 (Lim. 9)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Adhered Lightweight Concrete Assemblies over Concrete Deck (New or Existing)</b>						
System No.	LWIC	Insulation/Cover Board (Note 6)	Insulation/Cover Board Attachment	Membrane	Membrane Attachment (Note 9)	MDP (psf)
LC-A-43	Min. 400psi Celcore MF with HS Rheology Admixture with DynaBase PR adhered in DynaSet 1k applied 12-inch o.c.	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: SECUROCK	RSUA applied 12-inch o.c.	JM PVC FB	PVC WBMA	-187.5 (Lim. 9)
LC-A-44	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: SECUROCK	RSUA applied 12-inch o.c.	JM PVC FB	PVC WBMA	-187.5 (Lim. 9)
LC-A-45	Min. 300psi Celcore MF with HS Rheology Admixture installed over torch adhered DynaWeld 180 S	-	-	JM PVC SD Plus	PVC MA (LowVOC)	-202.5 (Lim. 9)
LC-A-46	Min. 300psi Celcore MF with HS Rheology Admixture installed over torch adhered DynaWeld 180 S	-	-	JM PVC FB (Min. 60-mil)	RSUA(S), PVC WBMA or RSUA applied 4-inch o.c.	-202.5 (Lim. 9)
LC-A-47	Min. 270psi LWIC	SECUROCK	2-Part UIA applied 12-inch o.c.	Base Ply: DynaBase HW  Membrane: JM PVC FB	Base Ply: Torch adhered  Membrane: RSUA applied 12-inch o.c. or RSUA(S)	-210 (Lim. 9)
LC-A-48	Min. 400psi Celcore MF with HS Rheology Admixture	-	-	JM PVC FB	2-Part UIA(S)	-210 (Lim. 9)
LC-A-49	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: SeparatoR CGF	RSUA applied 12-inch o.c.	JM PVC FB	ASTM D 312, Type IV	-240 (Lim. 9)
LC-A-50	Min. 550psi Elastizell with Zell-Fibers	-	-	JM PVC FB	RSUA applied 6-inch o.c. or RSUA(S)	-225 (Lim. 9)
LC-A-51	Min. 360psi Celcore MF with HS Rheology Admixture	-	-	JM PVC SD Plus	PVC MA (LowVOC)	-222.5 (Lim. 9)
LC-A-52	Min. 360psi Celcore MF with HS Rheology Admixture	-	-	JM PVC FB (Min. 60-mil)	RSUA(S), PVC WBMA or RSUA applied 4-inch o.c.	-222.5 (Lim. 9)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Adhered Lightweight Concrete Assemblies over Concrete Deck (New or Existing)</b>						
System No.	LWIC	Insulation/Cover Board (Note 6)	Insulation/Cover Board Attachment	Membrane	Membrane Attachment (Note 9)	MDP (psf)
LC-A-53	Min. 350psi Celcore MF with HS Rheology Admixture	Base Layer: OPTIONAL Min. 0.5-inch ENRGY 3  Top Layer: DEXcell FA	RSUA applied 12-inch o.c.	JM PVC FB	PVC WBMA	<b>-240 (Lim. 9)</b>
LC-A-54	Min. 290psi Celcore MF with HS Rheology Admixture	-	-	JM PVC	PVC ASSBA	<b>-247.5 (Lim. 9)</b>
LC-A-55	Min. 480psi Celcore MF with HS Rheology Admixture installed over OPTIONAL DynaBase HW	-	-	JM PVC FB	RSUA applied 4-inch o.c. or RSUA(S)	<b>-257.5 (Lim. 9)</b>
LC-A-56	Min. 390psi Celcore MF with HS Rheology Admixture (No EPS Board) installed over DynaBase HW over ASTM D 41 primed concrete	-	-	JM PVC FB	RSUA applied 6-inch o.c. or RSUA(S)	<b>-262.5 (Lim. 9)</b>
LC-A-57	Min. 250psi Elastizell with Zell-Crete Fibers (no EPS Board)	-	-	JM PVC FB	RSUA applied 6-inch o.c. or RSUA(S)	<b>-290 (Lim. 9)</b>
LC-A-58	Min. 300psi Celcore MF with HS Rheology Admixture installed over torch adhered DynaWeld Cap 180 FR treated with Celcore S-1	-	-	JM PVC SD Plus	PVC MA (LowVOC)	<b>-305 (Lim. 9)</b>
LC-A-59	Min. 300psi Celcore MF with HS Rheology Admixture installed over torch adhered DynaWeld Cap 180 FR treated with Celcore S-1	-	-	JM PVC FB (Min. 60-mil)	RSUA(S), PVC WBMA or RSUA applied 4-inch o.c.	<b>-305 (Lim. 9)</b>
LC-A-60	Min. 290psi Celcore MF with HS Rheology Admixture	DynaBase PR	DynaSet 1k applied 12-inch o.c.	JM PVC FB (Min. 60-mil)	2-Part UIA(S)	<b>-322.5 (Lim. 9)</b>
LC-A-61	Min. 380psi Concrecel	-	-	JM PVC FB	MBR Low VOC Membrane Adhesive	<b>-342.5 (Lim. 9)</b>
LC-A-62	Min. 290psi Celcore MF with HS Rheology Admixture	-	-	JM PVC FB	RSUA(S), 2-Part UIA-C(B) or RSUA applied 12-inch o.c.	<b>-345 (Lim. 9)</b>
LC-A-63	Min. 370psi Concrecel (No EPS Board)	-	-	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	<b>-375 (Lim. 9)</b>
LC-A-64	Min. 250psi Elastizell with Zell-Crete Fibers (no EPS Board)	-	-	JM PVC FB	RSUA applied 4-inch o.c. or RSUA(S)	<b>-390 (Lim. 9)</b>
LC-A-65	Min. 390psi Celcore MF with HS Rheology Admixture (no EPS board) installed over ASTM D 41 primed concrete	-	-	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	<b>-417.5 (Lim. 9)</b>
LC-A-66	Min. 370psi Concrecel (No EPS board)	-	-	JM PVC FB	RSUA applied 6-inch o.c. or RSUA(S)	<b>-480 (Lim. 9)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Adhered Lightweight Concrete Assemblies over Concrete Deck (New or Existing)</b>						
System No.	LWIC	Insulation/Cover Board (Note 6)	Insulation/Cover Board Attachment	Membrane	Membrane Attachment (Note 9)	MDP (psf)
LC-A-67	Min. 390psi Celcore MF with HS Rheology Admixture (No EPS Board)	-	-	JM PVC FB	RSUA applied 6-inch o.c. or RSUA(S)	-502.5 (Lim. 9)
LC-A-68	Min. 290psi Celcore MF with HS Rheology Admixture	-	-	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-502.5 (Lim. 9)
LC-A-69	Min. 290psi Celcore MF with HS Rheology Admixture	-	-	JM PVC FB	ASBA, 2-Part UIA(S) or PVC WBMA	-502.5 (Lim. 9)
LC-A-70	Min. 300psi Concrecel	-	-	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-502.5 (Lim. 9)
LC-A-71	Min. 300psi Concrecel	-	-	JM PVC FB	ASBA, RSUA(S), 2-Part UIA(S) or PVC WBMA	-502.5 (Lim. 9)

<b>Lightweight Concrete Assemblies with Adhered Membranes over Concrete Deck (New or Existing)</b>						
System No.	LWIC	Base Sheet	Insulation	Cover Board	Membrane (Note 10)	MDP (psf)
LC-AM-1	Min. 200psi Elastizell with Zell-Crete Fibers	PermaPly 28 secured with min. 1.7-inch LWC CR Base Sheet Fasteners secured 9-inch o.c. at the lap and 9-inch o.c. in two (2) equally spaced staggered rows in the field			JM PVC FB fully adhered in ASTM D 312 hot asphalt	-45 (Lim. 7)
LC-AM-2	Min. 350psi Celcore MF with HS Rheology Admixture	DynaBase, DynaLastic 180 S, GlasBase Plus, or Ventsulation Felt secured with Min. 1.7-inch LWC CR Base Sheet Fasteners secured 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2) equally spaced staggered rows in the field	Min. 0.5-inch ENRGY 3 or ENRGY 3 CGF adhered in 2-Part UIA applied 12-inch o.c.	Min. 0.5-inch DEXcell FA adhered in RSUA applied 6-inch o.c.	JM PVC FB adhered in adhered in RSUA applied 6-inch o.c. or RSUA(S)	-45 (Lim. 7)
LC-AM-3	Min. 350psi Celcore MF with HS Rheology Admixture	DynaBase, DynaLastic 180 S, GlasBase Plus, or Ventsulation Felt secured with Min. 1.7-inch LWC CR Base Sheet Fasteners secured 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2) equally spaced staggered rows in the field	Min. 0.5-inch ENRGY 3 or ENRGY 3 CGF adhered in 2-Part UIA applied 12-inch o.c.	ProtectoR HD, SeparatoR CGF, or SECUROCK adhered in 2-Part UIA applied 12-inch o.c.	JM PVC FB adhered in adhered in RSUA applied 4-inch o.c. or RSUA(S)	-45 (Lim. 7)
LC-AM-4	Min. 350psi Celcore MF with HS Rheology Admixture	DynaBase, DynaLastic 180 S, GlasBase Plus, or Ventsulation Felt secured with Min. 1.7-inch LWC CR Base Sheet Fasteners secured 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2) equally spaced staggered rows in the field	Min. 0.5-inch ENRGY 3 or ENRGY 3 CGF adhered in 2-Part UIA applied 12-inch o.c.	DEXcell FA or SECUROCK adhered in 2-Part UIA applied 12-inch o.c.	JM PVC FB fully adhered in ASTM D 312 hot asphalt	-45 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Lightweight Concrete Assemblies with Adhered Membranes over <i>Concrete Deck (New or Existing)</i>						
System No.	LWIC	Base Sheet	Insulation	Cover Board	Membrane (Note 10)	MDP (psf)
LC-AM-5	Min. 350psi Celcore MF with HS Rheology Admixture	DynaBase, DynaLastic 180 S, GlasBase Plus, or Ventsulation Felt secured with Min. 1.7-inch LWC CR Base Sheet Fasteners secured 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2) equally spaced staggered rows in the field	Min. 0.5-inch ENRGY 3 or ENRGY 3 CGF adhered in 2-Part UIA applied 12-inch o.c.	ProtectoR HD or Separator CGF adhered in OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	JM PVC FB fully adhered in PVC WBMA or 2-Part UIA(S)	<b>-45 (Lim. 7)</b>
LC-AM-6	Min. 350psi Celcore MF with HS Rheology Admixture	DynaBase, DynaLastic 180 S, GlasBase Plus, or Ventsulation Felt secured with Min. 1.7-inch LWC CR Base Sheet Fasteners secured 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2) equally spaced staggered rows in the field	Min. 0.5-inch ENRGY 3 or ENRGY 3 CGF adhered in 2-Part UIA applied 12-inch o.c.	DEXcell FA or SECUROCK adhered in 2-Part UIA applied 12-inch o.c.	JM PVC FB fully adhered in 2-Part UIA(S)	<b>-45 (Lim. 7)</b>
LC-AM-7	Min. 350psi Celcore MF with HS Rheology Admixture	DynaBase, DynaLastic 180 S, GlasBase Plus, or Ventsulation Felt secured with Min. 1.7-inch LWC CR Base Sheet Fasteners secured 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2) equally spaced staggered rows in the field	Min. 0.5-inch ENRGY 3 or ENRGY 3 CGF adhered in 2-Part UIA applied 12-inch o.c.	DensDeck Prime or SECUROCK adhered in OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	JM PVC FB fully adhered in PVC WBMA or ASBA	<b>-45 (Lim. 7)</b>
LC-AM-8	Min. 430psi Concrecel; or Existing LWIC with MCRF = 105lbf using Trufast VERAS-FAST Fastener	-	-	Min. 0.5-inch DensDeck Prime attached secured with VERSA-FAST at a rate of 2 Fasteners/Plate and 16 per 4-ft x 8-ft board	JM PVC or JM PVC SD Plus adhered in PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	<b>-52.5 (Lim. 7)</b>
LC-AM-9	Min. 430psi Concrecel; or Existing LWIC with MCRF = 105lbf using Trufast VERAS-FAST Fastener	-	-	Min. 0.5-inch DensDeck Prime attached secured with VERSA-FAST at a rate of 2 Fasteners/Plate and 16 per 4-ft x 8-ft board	JM PVC FB adhered in ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	<b>-52.5 (Lim. 7)</b>
LC-AM-10	Min. 340psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1; or Existing LWIC with MCRF = 120lbf using Trufast VERAS-FAST Fastener	-	Min. 2-inch E3 secured with min. 4.5-inch VERSA-FAST at a rate of 2 Fasteners/Plate and 16 per 4-ft x 8-ft board	-	JM PVC or JM PVC SD Plus adhered in PVC MA (LowVOC) or PVC ASSBA	<b>-60 (Lim. 7)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Lightweight Concrete Assemblies with Adhered Membranes over <i>Concrete Deck (New or Existing)</i>						
System No.	LWIC	Base Sheet	Insulation	Cover Board	Membrane (Note 10)	MDP (psf)
LC-AM-11	Min. 340psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1; or Existing LWIC with MCRF = 120lbf using Trufast VERAS-FAST Fastener	-	Min. 2-inch E3 secured with min. 4.5-inch <i>VERSA-FAST</i> at a rate of 2 Fasteners/Plate and 16 per 4-ft x 8-ft board	-	JM PVC FB adhered in 2-Part UIA(S)	<b>-60 (Lim. 7)</b>
LC-AM-12	Min. 340psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1; or Existing LWIC with MCRF = 73lbf using min. 1.8-inch Trufast Twin Loc-Nail	PermaPly 28 secured with min. 1.8-inch Trufast Twin Loc-Nails secured 6-inch o.c. at the 4-inch side laps and 6-inch o.c. in two (2) equally spaced rows in the field	-	Min. 0.5-inch <i>DensDeck Prime</i> or <i>SECUROCK</i> adhered in <i>RSUA</i> applied over fasteners rows (approx. 10.7-inch o.c.)	JM PVC or JM PVC SD Plus adhered in PVC MA (LowVOC) or PVC ASSBA	<b>-82.5 (Lim. 7)</b>
LC-AM-13	Min. 340psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1; or Existing LWIC with MCRF = 73lbf using min. 1.8-inch Trufast Twin Loc-Nail	PermaPly 28 secured with min. 1.8-inch Trufast Twin Loc-Nails secured 6-inch o.c. at the 4-inch side laps and 6-inch o.c. in two (2) equally spaced rows in the field	-	Min. 0.5-inch <i>DensDeck Prime</i> or <i>SECUROCK</i> adhered in <i>RSUA</i> applied over fasteners rows (approx. 10.7-inch o.c.)	JM PVC FB adhered in 2-Part UIA(S)	<b>-82.5 (Lim. 7)</b>

Mechanically Attached Lightweight Concrete Assemblies over <i>Concrete Deck (New, Existing, or Recover)</i>						
System No.	LWIC	Insulation/ Cover Board	Insulation/Cover Board Attachment	Membrane	Membrane Attachment (Note 12)	MDP (psf)
LC-M-1	Min. 480psi Celcore MF with HS Rheology	-	-	JM PVC FB/ <i>DynaFast</i>	1.8-inch Twin Loc-Nail without integrated plate fastened 6-inch o.c. along Straight Line Batten Bar within min. 4-inch heat welded side laps and in one intermediate row centered between side laps	<b>-60 (Lim. 9)</b>
LC-M-2	Min. 350psi Celcore MF with HS Rheology Admixture	-	-	JM PVC FB/ <i>DynaFast</i>	(4) 2.25-inch <i>VERSA-FAST</i> Fasteners installed in each <i>VERSA-FAST</i> Metal Plate; Plates spaced 10-inch o.c. within the 5-inch wide, torched adhered side laps	<b>-67.5 (Lim. 9)</b>



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Mechanically Attached Lightweight Concrete Assemblies over Concrete Deck (New, Existing, or Recover)</b>						
System No.	LWIC	Insulation/Cover Board	Insulation/Cover Board Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
LC-M-3	Min. 270psi Celcore MF with HS Rheology Admixture; or Existing LWIC with MCRF = 96lbf using Trufast VERAS-FAST Fastener	-	-	JM PVC FB/ DynaFast	Three (3) 2.25-inch VERSA-FAST Fasteners installed in each VERSA-FAST Metal Plate using 3 Fasteners/Plate pattern; Plates spaced 10-inch o.c. within the 6-inch wide, torched adhered side laps	<b>-67.5 (Lim. 9)</b>
LC-M-4	Min. 430psi Concrecel	-	-	JM PVC	JM Polymer Membrane Batten spaced 36-inch o.c. and fastened with 2.25-inch VERSA-FAST Fasteners spaced 3-inch o.c.; Battens covered with JM PVC Detail Strip welded to membrane along each edge	<b>-67.5 (Lim. 7)</b>

<b>Adhered Lightweight Concrete Assemblies over Steel Deck (New or Existing)</b>							
System No.	Deck Detail	LWIC	Insulation/Cover Board <a href="#">(Note 6)</a>	Insulation/Cover Board Attachment	Membrane	Membrane Attachment	MDP (psf)
LS-A-1	G33	Min. 480psi Celcore MF with HS Rheology	-	-	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	<b>-60 (Lim. 9)</b>
LS-A-2	G80	Min. 390psi Celcore MF with HS Rheology Admixture	-	-	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	<b>-75 (Lim. 9)</b>
LS-A-3	G80	Min. 390psi Celcore MF with HS Rheology Admixture	-	-	JM PVC FB	RSUA applied 6-inch o.c. or RSUA(S)	<b>-75 (Lim. 9)</b>
LS-A-4	G33	Min. 290psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1	-	-	JM PVC FB	2-Part UIA(S), PVC WBMA, or ASBA	<b>-90 (Lim. 9)</b>
LS-A-5	G33	Min. 290psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1	-	-	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	<b>-90 (Lim. 9)</b>
LS-A-6	G80	Min. 370psi Concrecel	-	-	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	<b>-97.5 (Lim. 9)</b>
LS-A-7	G80	Min. 250psi Elastizell with Zell-Crete Fibers	-	-	JM PVC FB	RSUA applied 12-inch o.c. RSUA(S)	<b>-97.5 (Lim. 9)</b>
LS-A-8	G80	Min. 250psi Elastizell with Zell-Crete Fibers	-	-	JM PVC FB	RSUA applied 6-inch o.c. RSUA(S)	<b>-97.5 (Lim. 9)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Lightweight Concrete Assemblies with Adhered Membranes over Steel Deck (New or Existing)							
System No.	Deck Detail	LWIC	Base Sheet	Insulation	Cover Board	Membrane (Note 10)	MDP (psf)
LS-AM-1	G33	Min. 200psi Elastizell with Zell-Crete Fibers	PermaPly 28 secured with min. 1.7-inch LWC CR Base Sheet Fasteners secured 9-inch o.c. at the lap and 9-inch o.c. in two (2) equally spaced staggered rows in the field			JM PVC FB fully adhered in ASTM D 312 hot asphalt	-45 (Lim. 7)
LS-AM-2	G33	Min. 350psi Celcore MF with HS Rheology Admixture	DynaBase, DynaLastic 180 S, GlasBase Plus, or Ventsulation Felt secured with Min. 1.7-inch LWC CR Base Sheet Fasteners secured 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2) equally spaced staggered rows in the field	Min. 0.5-inch ENRGY 3 or ENRGY 3 CGF adhered in 2-Part UIA applied 12-inch o.c.	Min. 0.5-inch DEXcell FA adhered in RSUA applied 6-inch o.c.	JM PVC FB adhered in adhered in RSUA applied 6-inch o.c. or RSUA(S)	-45 (Lim. 7)
LS-AM-3	G33	Min. 350psi Celcore MF with HS Rheology Admixture	DynaBase, DynaLastic 180 S, GlasBase Plus, or Ventsulation Felt secured with Min. 1.7-inch LWC CR Base Sheet Fasteners secured 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2) equally spaced staggered rows in the field	Min. 0.5-inch ENRGY 3 or ENRGY 3 CGF adhered in 2-Part UIA applied 12-inch o.c.	ProtectoR HD, SeparatoR CGF, or SECUROCK adhered in 2-Part UIA applied 12-inch o.c.	JM PVC FB adhered in adhered in RSUA applied 4-inch o.c. or RSUA(S)	-45 (Lim. 7)
LS-AM-4	G33	Min. 350psi Celcore MF with HS Rheology Admixture	DynaBase, DynaLastic 180 S, GlasBase Plus, or Ventsulation Felt secured with Min. 1.7-inch LWC CR Base Sheet Fasteners secured 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2) equally spaced staggered rows in the field	Min. 0.5-inch ENRGY 3 or ENRGY 3 CGF adhered in 2-Part UIA applied 12-inch o.c.	DEXcell FA or SECUROCK adhered in 2-Part UIA applied 12-inch o.c.	JM PVC FB fully adhered in ASTM D 312 hot asphalt	-45 (Lim. 7)
LS-AM-5	G33	Min. 350psi Celcore MF with HS Rheology Admixture	DynaBase, DynaLastic 180 S, GlasBase Plus, or Ventsulation Felt secured with Min. 1.7-inch LWC CR Base Sheet Fasteners secured 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2) equally spaced staggered rows in the field	Min. 0.5-inch ENRGY 3 or ENRGY 3 CGF adhered in 2-Part UIA applied 12-inch o.c.	ProtectoR HD or SeparatoR CGF adhered in OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	JM PVC FB fully adhered in PVC WBMA or 2-Part UIA(S)	-45 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Lightweight Concrete Assemblies with Adhered Membranes over Steel Deck (New or Existing)							
System No.	Deck Detail	LWIC	Base Sheet	Insulation	Cover Board	Membrane (Note 10)	MDP (psf)
LS-AM-6	G33	Min. 350psi Celcore MF with HS Rheology Admixture	DynaBase, DynaLastic 180 S, GlasBase Plus, or Ventsulation Felt secured with Min. 1.7-inch LWC CR Base Sheet Fasteners secured 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2) equally spaced staggered rows in the field	Min. 0.5-inch ENRGY 3 or ENRGY 3 CGF adhered in 2-Part UIA applied 12-inch o.c.	DEXcell FA or SECUROCK adhered in 2-Part UIA applied 12-inch o.c.	JM PVC FB fully adhered in 2-Part UIA(S)	-45 (Lim. 7)
LS-AM-7	G33	Min. 350psi Celcore MF with HS Rheology Admixture	DynaBase, DynaLastic 180 S, GlasBase Plus, or Ventsulation Felt secured with Min. 1.7-inch LWC CR Base Sheet Fasteners secured 7-inch o.c. at the 3-inch lap and 7-inch o.c. in two (2) equally spaced staggered rows in the field	Min. 0.5-inch ENRGY 3 or ENRGY 3 CGF adhered in 2-Part UIA applied 12-inch o.c.	DensDeck Prime or SECUROCK adhered in OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	JM PVC FB fully adhered in PVC WBMA or ASBA	-45 (Lim. 7)
LS-AM-8	G33	Min. 430psi Concrecel; or Existing LWIC with MCRF = 105lbf using Trufast VERAS-FAST Fastener	-	-	Min. 0.5-inch DensDeck Prime attached secured with VERSA-FAST at a rate of 2 Fasteners/Plate and 16 per 4-ft x 8-ft board	JM PVC or JM PVC SD Plus adhered in PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	-52.5 (Lim. 7)
LS-AM-9	G33	Min. 430psi Concrecel; or Existing LWIC with MCRF = 105lbf using Trufast VERAS-FAST Fastener	-	-	Min. 0.5-inch DensDeck Prime attached secured with VERSA-FAST at a rate of 2 Fasteners/Plate and 16 per 4-ft x 8-ft board	JM PVC FB adhered in ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-52.5 (Lim. 7)
LS-AM-10	G33	Min. 340psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1; or Existing LWIC with MCRF = 120lbf using Trufast VERAS-FAST Fastener	-	Min. 2-inch E3 secured with min. 4.5-inch VERSA-FAST at a rate of 2 Fasteners/Plate and 16 per 4-ft x 8-ft board	-	JM PVC or JM PVC SD Plus adhered in PVC MA (LowVOC) or PVC ASSBA	-60 (Lim. 7)
LS-AM-11	G33	Min. 340psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1; or Existing LWIC with MCRF = 120lbf using Trufast VERAS-FAST Fastener	-	Min. 2-inch E3 secured with min. 4.5-inch VERSA-FAST at a rate of 2 Fasteners/Plate and 16 per 4-ft x 8-ft board	-	JM PVC FB adhered in 2-Part UIA(S)	-60 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Lightweight Concrete Assemblies with Adhered Membranes over Steel Deck (New or Existing)</b>							
System No.	Deck Detail	LWIC	Base Sheet	Insulation	Cover Board	Membrane (Note 10)	MDP (psf)
LS-AM-12	G33	Min. 340psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1; or Existing LWIC with MCRF = 73lbf using min. 1.8-inch Trufast Twin Loc-Nail	PermaPly 28 secured with min. 1.8-inch Trufast Twin Loc-Nails secured 6-inch o.c. at the 4-inch side laps and 6-inch o.c. in two (2) equally spaced rows in the field	-	Min. 0.5-inch <i>DensDeck Prime</i> or <i>SECUROCK</i> adhered in <i>RSUA</i> applied over fasteners rows (approx. 10.7-inch o.c.)	<i>JM PVC</i> or <i>JM PVC SD Plus</i> adhered in <i>PVC MA (LowVOC)</i> or <i>PVC ASSBA</i>	<b>-82.5 (Lim. 7)</b>
LS-AM-13	G33	Min. 340psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1; or Existing LWIC with MCRF = 73lbf using min. 1.8-inch Trufast Twin Loc-Nail	PermaPly 28 secured with min. 1.8-inch Trufast Twin Loc-Nails secured 6-inch o.c. at the 4-inch side laps and 6-inch o.c. in two (2) equally spaced rows in the field	-	Min. 0.5-inch <i>DensDeck Prime</i> or <i>SECUROCK</i> adhered in <i>RSUA</i> applied over fasteners rows (approx. 10.7-inch o.c.)	<i>JM PVC FB</i> adhered in <i>2-Part UIA(S)</i>	<b>-82.5 (Lim. 7)</b>

<b>Mechanically Attached Lightweight Concrete Assemblies over Steel Deck (New, Existing, or Recover)</b>							
System No.	Deck Detail	LWIC	Insulation/Cover Board	Insulation/Cover Board Attachment	Membrane	Membrane Attachment (Note 12)	MDP (psf)
LS-M-1	G33	Min. 480psi Celcore MF with HS Rheology Admixture	-	-	<i>JM PVC FB/ DynaFast</i>	1.8-inch Twin Loc-Nail without integrated plate fastened 6-inch o.c. along Straight Line Batten Bar within min. 4-inch heat welded side laps and in one intermediate row centered between side laps	<b>-60 (Lim. 7)</b>
LS-M-2	G33	Min. 270psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1; or Existing LWIC with MCRF = 96lbf using Trufast VERAS-FAST Fastener	-	-	<i>JM PVC FB/ DynaFast</i>	Three (3) 2.25-inch <i>VERSA-FAST</i> Fasteners installed in each <i>VERSA-FAST</i> Metal Plate using <i>3 Fasteners/Plate</i> pattern; Plates spaced 10-inch o.c. within the 6-inch wide, torched adhered side laps	<b>-67.5 (Lim. 7)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Mechanically Attached Lightweight Concrete Assemblies over Steel Deck (New, Existing, or Recover)</b>							
System No.	Deck Detail	LWIC	Insulation/ Cover Board	Insulation/Cover Board Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
LS-M-3	G33	Min. 350psi Celcore MF with HS Rheology Admixture over deck treated with Celcore S-1	-	-	JM PVC FB/ DynaFast	Four (4) 2.25-inch VERSA-FAST Fasteners installed in each VERSA-FAST Metal Plate; Plates spaced 10-inch o.c. within the 5-inch wide, torched adhered side laps	<b>-67.5 (Lim. 7)</b>
LS-M-4	G33	Min. 430psi Concrecel	-	-	JM PVC	JM Polymer Membrane Batten spaced 36-inch o.c. and fastened with 2.25-inch VERSA-FAST Fasteners spaced 3-inch o.c.; Battens covered with JM PVC Detail Strip welded to membrane along each edge	<b>-67.5 (Lim. 7)</b>

<b>Adhered Recover Assemblies</b>							
System No.	Deck Detail	Base Insulation <a href="#">(Note 6)</a>	Top Insulation	Membrane	Membrane Attachment <a href="#">(Note 9)</a>	MDP (psf)	
R-A-1	BUR or Mod-Bit Roofing with mineral surfacing	-	-	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	<b>-45 (Lim. 9)</b>	
R-A-2	Smooth SBS Mod-Bit over Steel Deck, gypsum, cementitious panel, or treated wood	Min. 1.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	Min. 1-inch ENRGY 3, DensDeck Prime, Invinsa, ProtectoR, SeparatoR, SECUROCK adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA	<b>-45 (Lim. 9)</b>	
R-A-3	Smooth SBS Mod-Bit over Steel Deck, gypsum, cementitious panel, or treated wood	Min. 1.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	Min. 1-inch ENRGY 3, DensDeck Prime, DEXcell FA, ProtectoR, SeparatoR, SECUROCK adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	JM PVC FB	PVC WBMA	<b>-45 (Lim. 9)</b>	
R-A-4	BUR or Granular Mod-Bit Roofing over over Concrete Deck, Steel Deck, cementitious panel, or treated wood	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	SeparatoR CGF or SeparatoR FR adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	<b>-52.5 (Lim. 9)</b>	
R-A-5	Smooth SBS Mod-Bit over Concrete Deck	Min. 1.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	SECUROCK adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA	<b>-67.5 (Lim. 9)</b>	
R-A-6	BUR over Concrete Deck	Min. 1.5-inch E3 applied in 2-Part UIA spaced 12-inch o.c.	OPTIONAL JM Invinsa applied in 2-Part UIA spaced 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	<b>-105 (Lim. 9)</b>	

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Recover Assemblies						
System No.	Deck Detail	Base Insulation (Note 6)	Top Insulation	Membrane	Membrane Attachment (Note 9)	MDP (psf)
R-A-7	BUR over Concrete Deck	Min. 1.5-inch E3 applied in 2-Part UIA spaced 12-inch o.c.	OPTIONAL JM InvinSA applied in 2-Part UIA spaced 12-inch o.c.	JM PVC FB	ASTM D 312 Type IV Asphalt	-105 (Lim. 9)
R-A-8	BUR or Granular Mod-Bit Roofing over Concrete Deck	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	SeparatoR CGF or SeparatoR FR adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC, JM PVC SD Plus or JM PVC FB	PVC WBMA	-105 (Lim. 9)
R-A-9	BUR or Granular Mod-Bit Roofing over Steel Deck, cementitious panel, or treated wood	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	ProtectoR HD adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S) or PVC WBMA	-105 (Lim. 9)
R-A-10	BUR or Granular Mod-Bit Roofing over Steel Deck, cementitious panel, or treated wood	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	ProtectoR HD adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA, PVC MA (LowVOC), or PVC ASSBA	-105 (Lim. 9)
R-A-11	BUR or Granular Mod-Bit Roofing over Steel Deck, cementitious panel, or treated wood	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	SECUROCK or DensDeck Prime adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S) or ASTM D 312 Type IV Asphalt	-105 (Lim. 9)
R-A-12	BUR or Granular Mod-Bit Roofing over Steel Deck, cementitious panel, or treated wood	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	DensDeck Prime adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC FB	PVC WBMA or ASBA	-105 (Lim. 9)
R-A-13	BUR or Granular Mod-Bit Roofing over Steel Deck, cementitious panel, or treated wood	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	SECUROCK or DensDeck Prime adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-105 (Lim. 9)
R-A-14	BUR or Granular Mod-Bit Roofing over Steel Deck, cementitious panel, or treated wood	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	DEXcell FA adhered in RSUA or OSFA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-105 (Lim. 9)
R-A-15	BUR or Granular Mod-Bit Roofing over Steel Deck, cementitious panel, or treated wood	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	DEXcell FA adhered in RSUA or OSFA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S), PVC WBMA, ASBA, or ASTM D 312 Type IV Asphalt	-105 (Lim. 9)



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Recover Assemblies						
System No.	Deck Detail	Base Insulation (Note 6)	Top Insulation	Membrane	Membrane Attachment (Note 9)	MDP (psf)
R-A-16	BUR over Concrete Deck	Min. 1.5-inch E3 applied in UIA spaced 6-inch o.c. or 2-Part UIA spaced 12-inch o.c.	JM Invinsa or Protector HD applied in UIA applied spaced 12-inch o.c.	JM PVC	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup> , PVC WBMA, or PVC ASSBA	-112.5 (Lim. 9)
R-A-17	BUR over Concrete Deck	Min. 1.5-inch E3 applied in UIA spaced 6-inch o.c. or 2-Part UIA spaced 12-inch o.c.	JM Invinsa or Protector HD applied in UIA spaced 12-inch o.c.	JM PVC SD Plus	PVC MA (LowVOC) applied at 0.83 gal/100ft <sup>2</sup> , PVC WBMA, or PVC ASSBA	-112.5 (Lim. 9)
R-A-18	BUR over Concrete Deck	Min. 1.5-inch E3 applied in UIA spaced 6-inch o.c. or 2-Part UIA spaced 12-inch o.c.	JM Invinsa or Protector HD applied in UIA spaced 12-inch o.c.	JM PVC FB	2-Part UIA(S) or PVC WBMA	-112.5 (Lim. 9)
R-A-19	BUR over Concrete Deck	Min. 1.5-inch E3 applied in UIA spaced 6-inch o.c. or 2-Part UIA spaced 12-inch o.c.	JM Invinsa applied in UIA spaced 12-inch o.c.	JM PVC FB	ASBA	-112.5 (Lim. 9)
R-A-20	Smooth SBS Mod-Bit over Concrete Deck	Min. 1.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	Min. 1-inch ENRGY 3 adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA	-127.5 (Lim. 9)
R-A-21	BUR or Granular Mod-Bit Roofing over Concrete Deck	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	DensDeck Prime adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC FB	PVC WBMA or ASBA	-142.5 (Lim. 9)
R-A-22	Smooth SBS Mod-Bit over Concrete Deck	Min. 1.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	Protector adhered in RSUA, 2-Part UIA, or OSFA applied 12-inch o.c.	JM PVC FB	PVC WBMA	-142.5 (Lim. 9)
R-A-23	Smooth SBS Mod-Bit over Concrete Deck	Min. 1.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	DensDeck Prime adhered in RSUA, 2-Part UIA, or OSFA applied 12-inch o.c.	JM PVC FB	PVC WBMA	-142.5 (Lim. 9)
R-A-24	Smooth SBS Mod-Bit over Concrete Deck	Min. 1.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	SeparatoR adhered in RSUA, 2-Part UIA, or OSFA applied 12-inch o.c.	JM PVC FB	PVC WBMA	-150 (Lim. 9)
R-A-25	BUR or Granular Mod-Bit Roofing over Concrete Deck, Steel Deck, cementitious panel, or treated wood	Min. 1-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	-	JM PVC FB	2-Part UIA(S) or RSUA applied 12-inch o.c.	-157.5 (Lim. 9)
R-A-26	BUR or Granular Mod-Bit Roofing over Concrete Deck	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	Protector HD adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC JM PVC SD Plus	PVC WBMA or PVC MA (LowVOC)	-180 (Lim. 9)
R-A-27	BUR or Granular Mod-Bit Roofing over Concrete Deck	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	Protector HD adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC SD Plus	PVC ASSBA	-180 (Lim. 9)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Recover Assemblies						
System No.	Deck Detail	Base Insulation (Note 6)	Top Insulation	Membrane	Membrane Attachment (Note 9)	MDP (psf)
R-A-28	BUR or Granular Mod-Bit Roofing over Concrete Deck	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	ProtectoR HD adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S) or PVC WBMA	-180 (Lim. 9)
R-A-29	BUR or Granular Mod-Bit Roofing over Concrete Deck	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	SECUROCK or DensDeck Prime adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC JM PVC SD Plus	PVC MA (LowVOC)	-180 (Lim. 9)
R-A-30	BUR or Granular Mod-Bit Roofing over Concrete Deck	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	SECUROCK or DensDeck Prime adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC SD Plus	PVC ASSBA	-180 (Lim. 9)
R-A-31	BUR or Granular Mod-Bit Roofing over Concrete Deck	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	SECUROCK or DensDeck Prime adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S) or ASTM D 312 Type IV Asphalt	-180 (Lim. 9)
R-A-32	Smooth SBS Mod-Bit over Concrete Deck	Min. 1.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	ProtectoR adhered in RSUA, 2-Part UIA, or OSFA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA	-180 (Lim. 9)
R-A-33	Smooth SBS Mod-Bit over Concrete Deck	Min. 1.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	Min. 1-inch ENRGY 3 adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	JM PVC FB	PVC WBMA	-187.5 (Lim. 9)
R-A-34	Smooth SBS Mod-Bit over Concrete Deck	Min. 1.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	SECUROCK adhered in RSUA, 2-Part UIA, or OSFA applied 12-inch o.c.	JM PVC FB	PVC WBMA	-187.5 (Lim. 9)
R-A-35	BUR over Concrete Deck	Min. 1.5-inch E3 applied in 2-Part UIA spaced 12-inch o.c.	-	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-217.5 (Lim. 9)
R-A-36	BUR over Concrete Deck	Min. 1.5-inch E3 applied in 2-Part UIA spaced 12-inch o.c.	-	JM PVC SD Plus	PVC ASSBA	-217.5 (Lim. 9)
R-A-37	BUR or Granular Mod-Bit Roofing over Concrete Deck	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	SeparatoR CGF or SeparatoR FR adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-217.5 (Lim. 9)
R-A-38	BUR or Granular Mod-Bit Roofing over Concrete Deck	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	SeparatoR CGF or SeparatoR FR adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	JM PVC SD Plus	PVC ASSBA	-217.5 (Lim. 9)
R-A-39	BUR over Concrete Deck	-	Min. 1.5-inch E3 applied in 2-Part UIA spaced 12-inch o.c.	JM PVC FB	ASTM D 312 Type IV Asphalt	-217.5 (Lim. 9)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Recover Assemblies						
System No.	Deck Detail	Base Insulation (Note 6)	Top Insulation	Membrane	Membrane Attachment (Note 9)	MDP (psf)
R-A-40	BUR or Granular Mod-Bit Roofing over Concrete Deck	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	DEXcell FA adhered in RSUA or OSFA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-217.5 (Lim. 9)
R-A-41	BUR or Granular Mod-Bit Roofing over Concrete Deck	OPTIONAL Min. 0.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA, 2-Part UIA-C(B), or OSFA applied 12-inch o.c.	DEXcell FA adhered in RSUA or OSFA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S), PVC WBMA or ASTM D 312 Type IV Asphalt	-217.5 (Lim. 9)
R-A-42	Granular Mod-Bit Roofing or Granular BUR over Concrete Deck	Min. 1.5-inch ENRGY 3 adhered in RSUA applied 12-inch o.c.	-	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-210 (Lim. 9)
R-A-43	Granular Mod-Bit Roofing or Granular BUR over Concrete Deck	Min. 1.5-inch ENRGY 3 adhered in RSUA applied 12-inch o.c.	-	JM PVC FB	2-Part UIA(S)	-210 (Lim. 9)
R-A-44	Granular Mod-Bit Roofing or Granular BUR over Concrete Deck	Min. 1.5-inch ENRGY 3 adhered in RSUA applied 12-inch o.c.	DensDeck Prime adhered in RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA	-210 (Lim. 9)
R-A-45	Granular Mod-Bit Roofing or Granular BUR over Concrete Deck	Min. 1.5-inch ENRGY 3 adhered in RSUA applied 12-inch o.c.	DensDeck Prime adhered in RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S) or PVC WBMA	-210 (Lim. 9)
R-A-46	BUR or Granular Mod-Bit Roofing over Concrete Deck	OPTIONAL Min. 1.5-inch ENRGY 3 in RSUA, OSFA or 2-Part UIA applied 12-inch o.c.	DensDeck Prime or StormX in RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-217.5 (Lim. 9)
R-A-47	Smooth SBS Mod-Bit over Concrete Deck	Min. 1.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	SeparatoR adhered in RSUA, 2-Part UIA, or OSFA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA	-225 (Lim. 9)
R-A-48	Smooth SBS Mod-Bit over Concrete Deck	Min. 1.5-inch ENRGY 3 adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	DEXcell FA adhered in RSUA, 2-Part UIA or OSFA applied 12-inch o.c.	JM PVC FB	PVC WBMA	-255 (Lim. 9)
R-A-49	Granular Mod-Bit Roofing or Granular BUR over Concrete Deck	-	DensDeck Prime adhered in RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-285 (Lim. 9)
R-A-50	Smooth SBS Mod-Bit Roofing over Steel Deck	-	-	JM PVC FB	2-Part UIA(S) at 6lbs/100ft <sup>2</sup>	-325 (Lim. 9)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Recover Assemblies						
System No.	Deck Detail	Base Insulation (Note 6)	Top Insulation	Membrane	Membrane Attachment (Note 9)	MDP (psf)
R-A-51	Granular Mod-Bit Roofing or Granular BUR over <i>Steel Deck</i>	-	-	JM PVC FB	2-Part UIA(S) at 6lbs/100ft <sup>2</sup>	<b>-330 (Lim. 9)</b>
R-A-52	Granular Mod-Bit Roofing or Granular BUR over <i>Concrete Deck</i>	-	ProtectoR HD adhered in RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	<b>-400 (Lim. 9)</b>
R-A-53	Granular Mod-Bit Roofing or Granular BUR over <i>Concrete Deck</i>	-	-	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	<b>-440 (Lim. 9)</b>
R-A-54	Granular Mod-Bit Roofing or Granular BUR over <i>Concrete Deck</i>	-	DensDeck Prime adhered in RSUA applied 12-inch o.c.	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	<b>-495 (Lim. 9)</b>
R-A-55	Granular Mod-Bit Roofing or Granular BUR over <i>Concrete Deck</i>	-	-	JM PVC FB	2-Part UIA(S) at 6lbs/100ft <sup>2</sup>	<b>-502.5 (Lim. 9)</b>

Mechanically Fastened Recover Assemblies								
System No.	Deck Detail	Base Insulation	Base Insulation Attachment	Top Insulation (Note 11)	Top Insulation Attachment	Membrane	Membrane Attachment (Note 12)	MDP (psf)
R-M-1	<i>Steel Deck (G33)</i> or <i>Concrete Deck</i>	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	Min. 0.5-inch E3 or Cover Board	Preliminarily Secured	JM PVC SD Plus or JM PVC SL	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 6-inch wide side laps; Fastener rows max. 114-inch o.c.	<b>-45 (Lim. 7)</b>
R-M-2	<i>Steel Deck (G33)</i> or <i>Concrete Deck</i>	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	Min. 0.5-inch E3 or Cover Board	Preliminarily Secured	JM PVC SD Plus or JM PVC SL	Attached in-lap 12-inch o.c. with HL Fasteners & Plates; Min. 6-inch wide side laps; Fastener rows max. 54-inch o.c.	<b>-45 (Lim. 7)</b>
R-M-3	Existing metal roof having Min. 16 ga. steel purlins at max. 5ft o.c.	Min. 1.5-inch E3 or EPS placed between ribs	Preliminarily Secured or secured with top layer	Min. 1-inch E3, or Cover Board	Preliminarily Secured	JM PVC	Attached in-lap 18-inch o.c. with JM Purlin Fasteners and High Load Plates along structural supports; Fastener rows max. 5ft o.c.	<b>-45 (Lim. 7)</b>
R-M-4	<i>Steel Deck (G33)</i> or <i>Concrete Deck</i>	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	Min. 0.5-inch E3 or Cover Board	Preliminarily Secured	JM PVC FB/ DynaFast	HL Fasteners & Plates spaced 6-inch o.c within each min. 4-inch heat welded side laps in rows max. 70-inch o.c.	<b>-52.5 (Lim. 9)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Mechanically Fastened Recover Assemblies								
System No.	Deck Detail	Base Insulation	Base Insulation Attachment	Top Insulation (Note 11)	Top Insulation Attachment	Membrane	Membrane Attachment (Note 12)	MDP (psf)
R-M-5	Existing metal roof having Min. 16 ga. steel purlins at max. 5ft o.c.	Min. 1.5-inch E3 or EPS placed between ribs	Preliminarily Secured or secured with top layer	Min. 1-inch E3, or Cover Board	Preliminarily Secured	JM PVC	Attached in-lap 12-inch o.c. with JM Purlin Fasteners and High Load Plates along structural supports; Fastener rows max. 5ft o.c.	<b>-52.5 (Lim. 7)</b>
R-M-6	Steel Deck (G33) or Concrete Deck	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	Min. 0.5-inch E3 or Cover Board	Preliminarily Secured	JM PVC SD Plus or JM PVC SL	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 6-inch wide side laps; Fastener rows max. 54-inch o.c.	<b>-60 (Lim. 7)</b>
R-M-7	LWIC over Steel Deck (G33) or Concrete Deck	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	OPTIONAL INSULATION	Preliminarily Secured	JM PVC FB (min. 60 mil)	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Fastener rows max. 114-inch o.c.	<b>-60 (Lim. 7)</b>
R-M-8	Steel Deck (G33)	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	Min. 0.5-inch E3 or Cover Board	Preliminarily Secured	JM PVC FB/ DynaFast	High Load LH Fasteners and Polymer Membrane Batten OR High Load Fasteners and Deep Well Batten strip spaced 6-inch o.c. within min. 4-inch heat welded side laps in rows max. 71-inch o.c.	<b>-60 (Lim. 9)</b>
R-M-9	Steel Deck (G33) or Concrete Deck	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	Min. 0.5-inch E3 or Cover Board	Preliminarily Secured	JM PVC FB/ DynaFast	APB Fasteners & Plates spaced 6-inch o.c within each min. 4-inch heat welded side lap.	<b>-60 (Lim. 9)</b>
R-M-10	Steel Deck (G33) or Concrete Deck	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	Min. 0.5-inch E3 or Cover Board	Preliminarily Secured	JM PVC FB/ DynaFast	HL Fasteners & Plates spaced 12-inch o.c within each min. 4-inch heat welded side lap.	<b>-60 (Lim. 9)</b>
R-M-11	Existing metal roof having Min. 16 ga. steel purlins at max. 5ft o.c.	Min. 1.5-inch E3 or EPS placed between ribs	Preliminarily Secured or secured with top layer	Min. 1-inch E3, or Cover Board	Preliminarily Secured	JM PVC	Attached in-lap 6-inch o.c. with JM Purlin Fasteners and High Load Plates along structural supports; Fastener rows max. 5ft o.c.	<b>-75 (Lim. 7)</b>



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Induction Welded Recover Assemblies								
System No.	Existing Roof	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
R-W-1	Steel Deck (G33) or Concrete Deck	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	Min. 0.5-inch E3, or Cover Board	Preliminarily Secured; IW #15 (Steel Deck) or IW #14 (Concrete Deck) secured 12-inch o.c. in rows 72-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-37.5 (Lim. 7)</b>
R-W-2	Steel Deck (G33) or Concrete Deck	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	Min. 0.5-inch E3, or Cover Board	Preliminarily Secured; IW #15 (Steel Deck) or IW #14 (Concrete Deck) secured 12-inch o.c. in rows 60-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-45 (Lim. 7)</b>
R-W-3	Existing metal roof having Min. 16 ga. steel purlins at max. 5ft o.c.	Min. 1.5-inch E3 or EPS placed between ribs	Preliminarily Secured or secured with top layer	Min. 1-inch E3, or Cover Board	JM Purlin Fasteners and JM PVC RhinoPlates secured to structural supports 6-inch o.c.; Fastener rows max. 120-inch o.c.	JM PVC (Min. 60 mil)	Induction welded to weld plates	<b>-45 (Lim. 7)</b>
R-W-4	Existing metal roof having Min. 16 ga. steel purlins at max. 5ft o.c.	Min. 1.5-inch E3 or EPS placed between ribs	Preliminarily Secured or secured with top layer	Min. 1-inch E3, or Cover Board	JM Purlin Fasteners and JM PVC RhinoPlates secured to structural supports 18-inch o.c.; Fastener rows max. 60-inch o.c.	JM PVC (Min. 60 mil)	Induction welded to weld plates	<b>-45 (Lim. 7)</b>
R-W-5	Existing metal roof having Min. 16 ga. steel purlins at max. 5ft o.c.	INSULATION	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Attached with ISOWELD-#12 or ISOWELD-#15 spaced 12-inch o.c. in rows 60-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to Isoweld plates	<b>-45 (Lim. 7)</b>
R-W-6	Steel Deck (G33) or Concrete Deck	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	Min. 0.5-inch E3, or Cover Board	IW #15 (Steel Deck) or IW #14 (Concrete Deck) at a rate of 8 per 4-ft x 8-ft board (staggered) (1 fastener per 4.0-ft <sup>2</sup> )	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-52.5 (Lim. 7)</b>
R-W-7	Concrete Deck	OPTIONAL INSULATION under min. 1.5-inch E3	Preliminarily Secured or secured with top layer	Optional SECUROCK	IW #14 secured at a rate of 8 per 4-ft x 8-ft board Pattern #1 (1 fastener per 4.0-ft <sup>2</sup> )	JM PVC (Min. 60 mil)	Induction welded to weld plates	<b>-67.5 (Lim. 7)</b>
R-W-8	Existing metal roof having Min. 16 ga. steel purlins at max. 5ft o.c.	Min. 1.5-inch E3 or EPS placed between ribs	Preliminarily Secured or secured with top layer	Min. 1-inch E3, or Cover Board	JM Purlin Fasteners and JM PVC RhinoPlates secured to structural supports 12-inch o.c.; Fastener rows max. 60-inch o.c.	JM PVC (Min. 60 mil)	Induction welded to weld plates	<b>-67.5 (Lim. 7)</b>



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Induction Welded Recover Assemblies								
System No.	Existing Roof	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
R-W-9	Steel Deck (G33) or Concrete Deck	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Attached with IW #15 (Steel Deck) or IW #14 (Concrete Deck) spaced 6-inch o.c. in rows 138-inch o.c.; Induction weld plates centered between membrane side laps	JM PVC (Min. 60 mil)	Induction welded to weld plates and attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 6-inch wide side laps; In-lap fastener rows max. 138-inch o.c.	-67.5 (Lim. 7)
R-W-10	Steel Deck (G33) or Concrete Deck	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	Min. 0.5-inch E3, or Cover Board	Preliminarily Secured; IW #15 (Steel Deck) or IW #14 (Concrete Deck) secured 6-inch o.c. in rows 72-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	-82.5 (Lim. 7)
R-W-11	Steel Deck (G33) or Concrete Deck	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	Min. 0.5-inch E3, or Cover Board	Preliminarily Secured; IW #15 (Steel Deck) or IW #14 (Concrete Deck) secured 6-inch o.c. in rows 60-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	-90 (Lim. 7)
R-W-12	Existing metal roof having Min. 16 ga. steel purlins at max. 5ft o.c.	Min. 1.5-inch E3 or EPS placed between ribs	Preliminarily Secured or secured with top layer	OPTIONAL E3 or Cover Board	Attached with ISOWELD-#15 spaced 6-inch o.c. in rows 60-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to Isoweld plates	-90 (Lim. 7)
R-W-13	Existing metal roof having Min. 16 ga. steel purlins at max. 5ft o.c.	Min. 1.5-inch E3 or EPS placed between ribs	Preliminarily Secured or secured with top layer	Min. 1-inch E3, or Cover Board	JM Purlin Fasteners and JM PVC RhinoPlates secured to structural supports 6-inch o.c.; Fastener rows max. 60-inch o.c.	JM PVC (Min. 60 mil)	Induction welded to weld plates	-120 (Lim. 7)

Adhered Assemblies over Steel Deck (New or Existing)								
System No.	Deck	Vapor Barrier	Base Insulation <a href="#">(Note 6)</a>	Middle Insulation	Top Insulation	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
S-A-1	G33	Optional Vapor Barriers for Adhered Assemblies over Steel Deck	OPTIONAL Min. 1.5-inch E3 applied in 2-Part UIA or RSUA spaced 12-inch o.c.	-	Min. 1.5-inch ENRGY 3 applied in 2-Part UIA or RSUA spaced 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA or PVC ASSBA	-45 (Lim. 9)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Assemblies over Steel Deck (New or Existing)								
System No.	Deck	Vapor Barrier	Base Insulation (Note 6)	Middle Insulation	Top Insulation	Membrane	Membrane Attachment (Note 10)	MDP (psf)
S-A-2	G33	Vapor Barriers for Adhered Assemblies over Steel Deck	OPTIONAL Min. 1.5-inch E3 applied in RSUA spaced 12-inch o.c.	-	Min. 1.5-inch ENRGY 3 applied in 2-Part UIA or RSUA spaced 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA or PVC ASSBA	-45 (Lim. 9)
S-A-3	G33	Optional Vapor Barriers for Adhered Assemblies over Steel Deck	Min. 1.5-inch E3 applied in 2-Part UIA or RSUA spaced 12-inch o.c.	OPTIONAL Min. 1-inch E3 applied in 2-Part UIA or RSUA spaced 12-inch o.c.	Min. 1-inch ENRGY 3 applied in 2-Part UIA or RSUA spaced 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA or PVC ASSBA	-45 (Lim. 9)
S-A-4	G33	Vapor Barriers for Adhered Assemblies over Steel Deck	Min. 1.5-inch E3 applied in RSUA spaced 12-inch o.c.	OPTIONAL Min. 1-inch E3 applied in 2-Part UIA or RSUA spaced 12-inch o.c.	Min. 1-inch ENRGY 3 applied in 2-Part UIA or RSUA spaced 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA or PVC ASSBA	-45 (Lim. 9)
S-A-5	G33	Optional Vapor Barriers for Adhered Assemblies over Steel Deck	Min. 1.5-inch E3 applied in 2-Part UIA or RSUA spaced 12-inch o.c.	OPTIONAL Min. 1-inch E3 applied in 2-Part UIA or RSUA spaced 12-inch o.c.	ProtectoR HD or SECUROCK, applied in 2-Part UIA, OSFA, or RSUA spaced 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-45 (Lim. 9)
S-A-6	G33	Vapor Barriers for Adhered Assemblies over Steel Deck	Min. 1.5-inch E3 applied in RSUA spaced 12-inch o.c.	OPTIONAL Min. 1-inch E3 applied in 2-Part UIA or RSUA spaced 12-inch o.c.	ProtectoR HD or SECUROCK, applied in 2-Part UIA, OSFA, or RSUA spaced 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-45 (Lim. 9)
S-A-7	G33	Optional Vapor Barriers for Adhered Assemblies over Steel Deck	Min. 1.5-inch E3 applied in 2-Part UIA or RSUA spaced 12-inch o.c.	OPTIONAL Min. 1-inch E3 applied in 2-Part UIA or RSUA spaced 12-inch o.c.	ProtectoR HD, SECUROCK, or DensDeck Prime applied in 2-Part UIA, OSFA, or RSUA spaced 12-inch o.c.	JM PVC FB	RSUA(S), 2-Part UIA(S), PVC WBMA, ASBA, or RSUA applied 12-inch o.c.	-45 (Lim. 9)
S-A-8	G33	Vapor Barriers for Adhered Assemblies over Steel Deck	Min. 1.5-inch E3 applied in RSUA spaced 12-inch o.c.	OPTIONAL Min. 1-inch E3 applied in 2-Part UIA or RSUA spaced 12-inch o.c.	ProtectoR HD, SECUROCK, or DensDeck Prime applied in 2-Part UIA, OSFA, or RSUA spaced 12-inch o.c.	JM PVC FB	RSUA(S), 2-Part UIA(S), PVC WBMA, ASBA, or RSUA applied 12-inch o.c.	-45 (Lim. 9)
S-A-9	G33	Optional Vapor Barriers for Adhered Assemblies over Steel Deck	OPTIONAL Min. 1.5-inch E3 applied in RSUA spaced 6-inch o.c.	-	Min. 1.5-inch ENRGY 3 applied in 2-Part UIA or RSUA spaced 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-82.5 (Lim. 9)
S-A-10	G33	Optional Vapor Barriers for Adhered Assemblies over Steel Deck	OPTIONAL Min. 1.5-inch E3 applied in RSUA spaced 6-inch o.c.	-	Min. 1.5-inch ENRGY 3 applied in 2-Part UIA or RSUA spaced 6-inch o.c.	JM PVC FB	2-Part UIA(S)	-82.5 (Lim. 9)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Adhered Assemblies over Steel Deck (New or Existing)</b>								
System No.	Deck	Vapor Barrier	Base Insulation <a href="#">(Note 6)</a>	Middle Insulation	Top Insulation	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
S-A-11	G33	Optional Vapor Barriers for Adhered Assemblies over Steel Deck	Min. 1.5-inch E3 applied in RSUA ribbons spaced 6-inch o.c.	OPTIONAL Min. 1.5-inch E3 applied in 2-Part UIA or RSUA spaced 6-inch o.c.	Min. 0.5-inch ProtectoR HD, DensDeck Prime, DEXcell FA, or SECUROCK applied in OSFA, RSUA or 2-Part UIA spaced 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	<b>-82.5 (Lim. 9)</b>
S-A-12	G33	Optional Vapor Barriers for Adhered Assemblies over Steel Deck	Min. 1.5-inch E3 applied in RSUA ribbons spaced 6-inch o.c.	OPTIONAL Min. 1.5-inch E3 applied in 2-Part UIA or RSUA spaced 6-inch o.c.	Min. 0.5-inch ProtectoR HD, DensDeck Prime, or SECUROCK applied in OSFA, RSUA or 2-Part UIA spaced 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC ASSBA	<b>-82.5 (Lim. 9)</b>
S-A-13	G33	Optional Vapor Barriers for Adhered Assemblies over Steel Deck	Min. 1.5-inch E3 applied in RSUA ribbons spaced 6-inch o.c.	OPTIONAL Min. 1.5-inch E3 applied in 2-Part UIA or RSUA spaced 6-inch o.c.	Min. 0.5-inch ProtectoR HD, DEXcell FA, or SECUROCK applied in OSFA, RSUA or 2-Part UIA spaced 6-inch o.c.	JM PVC FB	2-Part UIA(S)	<b>-82.5 (Lim. 9)</b>

<b>Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)</b>									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
S-AM-1	G33	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	ProtectoR	Fastener & Plates secured 1 fastener per 2.67ft <sup>2</sup>	JM PVC	PVC MA (LowVOC) or PVC ASSBA	<b>-30 (Lim. 7)</b>
S-AM-2	G33	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	ProtectoR	Fastener & Plates secured 1 fastener per 2.67ft <sup>2</sup>	JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	<b>-30 (Lim. 7)</b>
S-AM-3	G33	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	ProtectoR	Fastener & Plates secured 1 fastener per 2.67ft <sup>2</sup>	JM PVC FB	RSUA(S), RSUA applied 12-inch o.c. or 2-Part UIA(S)	<b>-30 (Lim. 7)</b>
S-AM-4	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch Fesco Foam	Fastener & Plates secured 1 fastener per 5.3ft <sup>2</sup>	JM PVC	PVC MA (LowVOC)	<b>-37.5 (Lim. 9)</b>
S-AM-5	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch Fesco Foam	Fastener & Plates secured 1 fastener per 5.3ft <sup>2</sup>	JM PVC SD Plus	PVC MA (LowVOC)	<b>-37.5 (Lim. 9)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)</b>									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
S-AM-6	G33	<i>ProtectoR</i> attached with <i>Fastener &amp; Plates</i> at 8 per 4-ft x 8-ft board <i>Pattern #2</i> ; JM Vapor SA or JM Vapor Barrier SAR with JM SA Primer or JM SA Primer Low VOC	ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 C1, or ENRGY 3 C1 CGF	OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	<i>ProtectoR</i> , <i>Retro-Fit</i> , <i>SeparatorR</i> CGF, <i>SeparatorR</i> FR, <i>INVINSA</i> , <i>DensDeck</i> , <i>DensDeck Prime</i> , <i>DEXcell FA</i> , or <i>SECUROCK</i>	OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	JM PVC, or JM PVC SD Plus	PVC MA (LowVOC)	-37.5 (Lim. 7)
S-AM-7	G33	<i>ProtectoR</i> attached with <i>Fastener &amp; Plates</i> at 8 per 4-ft x 8-ft board <i>Pattern #2</i> ; JM Vapor SA or JM Vapor Barrier SAR with JM SA Primer or JM SA Primer Low VOC	ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 C1, or ENRGY 3 C1 CGF	OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	<i>ProtectoR</i> , <i>INVINSA</i> , <i>DensDeck Prime</i> , <i>DEXcell FA</i> or <i>SECUROCK</i>	OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC ASSBA	-37.5 (Lim. 7)
S-AM-8	G33	<i>ProtectoR</i> attached with <i>Fastener &amp; Plates</i> at 8 per 4-ft x 8-ft board <i>Pattern #2</i> ; JM Vapor SA or JM Vapor Barrier SAR with JM SA Primer or JM SA Primer Low VOC	ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 C1, or ENRGY 3 C1 CGF	OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	<i>ProtectoR</i> , <i>Retro-Fit</i> , <i>SeparatorR</i> CGF, <i>SeparatorR</i> FR, <i>INVINSA</i> , <i>DensDeck</i> , <i>DensDeck Prime</i> , <i>DEXcell FA</i> , or <i>SECUROCK</i>	OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	JM PVC FB	RSUA(S), RSUA applied 12-inch o.c. or 2-Part UIA(S)	-37.5 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment (Note 10)	MDP (psf)
S-AM-9	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DensDeck Prime	OMG #12 Standard Roofgrip or UltraFast Fastener and OMG 3 in. Ribbed Galvalume Plate (Flat) or UltraFast Plate Metal Flat secured 8 per 4-ft x 8-ft board Pattern 3	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	-37.5 (Lim. 7)
S-AM-10	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DensDeck Prime	OMG #12 Standard Roofgrip or UltraFast Fastener and OMG 3 in. Ribbed Galvalume Plate (Flat) or UltraFast Plate Metal Flat secured 8 per 4-ft x 8-ft board Pattern 3	JM PVC FB	ASTM D 312 Type IV Asphalt, RSUA(S), RSUA applied 12-inch o.c. or 2-Part UIA(S)	-37.5 (Lim. 7)
S-AM-11	G33	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	ProtectoR	Fastener & Plates secured 1 fastener per 4ft <sup>2</sup>	JM PVC	PVC MA (LowVOC) or PVC ASSBA	-45 (Lim. 7)
S-AM-12	G33	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	ProtectoR	Fastener & Plates secured 1 fastener per 4ft <sup>2</sup>	JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-45 (Lim. 7; Non-HVHZ)
S-AM-13	G33	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	ProtectoR	Fastener & Plates secured 1 fastener per 4ft <sup>2</sup>	JM PVC FB	RSUA(S), RSUA applied 12-inch o.c. or 2-Part UIA(S)	-45 (Lim. 7)
S-AM-14	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch Invinso Foam	Fastener & Plates secured 1 fastener per 5.3ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-45 (Lim. 7)
S-AM-15	G33	OPTIONAL Vapor Barrier	Min. 2-inch ENRGY 3, ENRGY 3 CGF, ENRGY 3 FR or E3 C1	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	OSFA, RSUA or 2-Part UIA applied 4-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA or PVC ASSBA	-45 (Lim. 7)
S-AM-16	G33	OPTIONAL Vapor Barrier	Min. 2-inch ENRGY 3, ENRGY 3 CGF, ENRGY 3 FR or E3 C1	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	OSFA, RSUA or 2-Part UIA applied 4-inch o.c.	JM PVC FB	RSUA(S), RSUA applied 12-inch o.c., PVC WBMA or ASBA	-45 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)</b>									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
S-AM-17	G33	OPTIONAL Vapor Barrier	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	Min. 1.5-inch E3 or E3 C1	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 6-inch o.c.	JM PVC FB	RSUA 12-inch o.c. or RSUA(S)	-45 (Lim. 7)
S-AM-18	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch ENRGY 3	Fastener & Plates secured 8 per 4-ft x 8-ft board Pattern #2	JM PVC or JM PVC SD Plus	PVC ASSBA	-45 (Lim. 7)
S-AM-19	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	StormX	OMG Fasteners & Plates secured 4 per 4-ft x 8-ft board	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	-45 (Lim. 7)
S-AM-20	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	StormX	OMG Fasteners & Plates secured 4 per 4-ft x 8-ft board	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-45 (Lim. 7)
S-AM-21	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Fastener & Plates secured 1 fastener per 2.67ft <sup>2</sup>	StormX	RSUA or applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	-45 (Lim. 7; Non-HVHZ)
S-AM-22	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Fastener & Plates secured 1 fastener per 2.67ft <sup>2</sup>	StormX	RSUA or applied 12-inch o.c.	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-45 (Lim. 7)
S-AM-23	G33	Min. 0.5-inch DensDeck Prime secured with DF or TF at 1 fastener per 4ft <sup>2</sup> over OPTIONAL Vapor Barrier	Min. 1.5-inch ENRGY 3	2-Part UIA, OSFA, or RSUA applied 12-inch o.c.	OPTIONAL DensDeck Prime	2-Part UIA, OSFA, or RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA or PVC ASSBA	-45 (Lim. 7)
S-AM-24	G33	Min. 0.5-inch DensDeck Prime secured with DF or TF at 1 fastener per 4ft <sup>2</sup> over OPTIONAL Vapor Barrier	Min. 1.5-inch ENRGY 3	2-Part UIA, OSFA, or RSUA applied 12-inch o.c.	SECUROCK or ProtectoR HD	2-Part UIA, OSFA, or RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-45 (Lim. 7)



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)</b>									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
S-AM-25	G33	Min. 0.5-inch DensDeck Prime secured with DF or TF at 1 fastener per 4ft <sup>2</sup> over OPTIONAL Vapor Barrier	Min. 1.5-inch ENRGY 3	2-Part UIA, OSFA, or RSUA applied 12-inch o.c.	OPTIONAL Protector HD, SECUROCK, or DensDeck Prime	2-Part UIA, OSFA, or RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S), PVC WBMA, ASBA, RSUA applied 12-inch o.c., or RSUA(S)	-45 (Lim. 7)
S-AM-26	G33	Optional Vapor Barrier	Min. 1.5-inch E3	Fasteners & Plates secured 1 fastener per 2.67ft <sup>2</sup>	Min. 1-inch ENRGY 3	2-Part UIA or RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA	-45 (Lim. 7)
S-AM-27	G33	Optional Vapor Barrier	Min. 1.5-inch E3	Fasteners & Plates secured 1 fastener per 2.67ft <sup>2</sup>	Min. 1-inch ENRGY 3	2-Part UIA or RSUA applied 12-inch o.c.	JM PVC FB	RSUA applied 12-inch o.c., RSUA(S), PVC WBMA, or ASBA	-45 (Lim. 7)
S-AM-28	G33	Optional Vapor Barrier	Min. 1.5-inch E3	Fasteners & Plates secured 1 fastener per 2.67ft <sup>2</sup>	Min. 1-inch E3	2-Part UIA or RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-45 (Lim. 7)
S-AM-29	G33	Optional Vapor Barrier	Min. 1.5-inch E3	Fasteners & Plates secured 1 fastener per 2.67ft <sup>2</sup>	Min. 1-inch E3	2-Part UIA or RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-45 (Lim. 7)
S-AM-30	G33	Optional Vapor Barrier	Min. 2-inch E3	Fasteners & Plates secured 1 fastener per 4ft <sup>2</sup>	Min. 1-inch E3	2-Part UIA or RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA	-45 (Lim. 7)
S-AM-31	G33	Optional Vapor Barrier	Min. 2-inch E3	Fasteners & Plates secured 1 fastener per 4ft <sup>2</sup>	Min. 1-inch E3	2-Part UIA or RSUA applied 12-inch o.c.	JM PVC FB	RSUA applied 12-inch o.c., RSUA(S), PVC WBMA or ASBA	-45 (Lim. 7)
S-AM-32	G33	Optional Vapor Barrier	Min. 2-inch E3	Fasteners & Plates secured 1 fastener per 4ft <sup>2</sup>	Min. 1-inch E3	2-Part UIA or RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-45 (Lim. 7)
S-AM-33	G33	Optional Vapor Barrier	Min. 2-inch E3	Fasteners & Plates secured 1 fastener per 4ft <sup>2</sup>	Min. 1-inch E3	2-Part UIA or RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-45 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)</b>									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
S-AM-34	G33	-	Min. 0.5-inch DEXcell FA, SECUROCK, DEXcell CB, or ProtectoR; Primed with JM SA Primer Low VOC or JM SA Primer followed by JM Vapor Barrier or Vapor Barrier SAR	Fasteners & Plates secured 1 fastener per 4ft <sup>2</sup>	Min. 1.5-inch E3	2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC WBMA	-45 (Lim. 7)
S-AM-35	G33	-	Min. 0.5-inch DEXcell FA, SECUROCK, DEXcell CB, or ProtectoR; Primed with JM SA Primer Low VOC or JM SA Primer followed by JM Vapor Barrier or Vapor Barrier SAR	Fasteners & Plates secured 1 fastener per 4ft <sup>2</sup>	Min. 1.5-inch E3	2-Part UIA applied 12-inch o.c.	JM PVC FB	RSUA applied 12-inch o.c., RSUA(S), PVC WBMA or ASBA	-45 (Lim. 7)
S-AM-36	G33	-	Min. 0.5-inch DEXcell FA, SECUROCK, DEXcell CB, or ProtectoR; Primed with JM SA Primer Low VOC or JM SA Primer followed by JM Vapor Barrier or Vapor Barrier SAR	Fasteners & Plates secured 1 fastener per 4ft <sup>2</sup>	Min. 1.5-inch E3	2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-45 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
S-AM-37	G33	-	Min. 0.5-inch DEXcell FA, SECUROCK, DEXcell CB, or ProtectoR; Primed with JM SA Primer Low VOC or JM SA Primer followed by JM Vapor Barrier or Vapor Barrier SAR	Fasteners & Plates secured 1 fastener per 4ft <sup>2</sup>	Min. 1.5-inch E3	2-Part UIA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-45 (Lim. 7)
S-AM-38	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DEXcell FA	Fasteners & Plates secured at a rate of 1 fastener per 4ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-45 (Lim. 7)
S-AM-39	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DEXcell FA	Fasteners & Plates secured at a rate of 1 fastener per 4ft <sup>2</sup>	JM PVC FB	2-Part UIA(S)	-45 (Lim. 7)
S-AM-40	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	DEXcell FA	Fasteners & Plates secured at a rate of 1 fastener per 3.2ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-45 (Lim. 7)
S-AM-41	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	DEXcell FA	Fasteners & Plates secured at a rate of 1 fastener per 3.2ft <sup>2</sup>	JM PVC FB	2-Part UIA(S)	-45 (Lim. 7)
S-AM-42	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	DEXcell CB	UF secured at a rate of 1 fastener per 3.2ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-45 (Lim. 7)
S-AM-43	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 2-inch ENRGY 3	Fasteners & Plates secured 1 fastener per 4.0ft <sup>2</sup>	DEXcell FA	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-45 (Lim. 7)
S-AM-44	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 2-inch ENRGY 3	Fasteners & Plates secured 1 fastener per 4.0ft <sup>2</sup>	DEXcell FA	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-45 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)</b>									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
S-AM-45	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 2-inch ENRGY 3	Fasteners & Plates secured 1 fastener per 4.0ft <sup>2</sup>	DEXcell CB	2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-45 (Lim. 7)
S-AM-46	G33	Min. 0.5-inch DEXcell FA secured with Fasteners & Plates secured 1 fastener per 4ft <sup>2</sup> ; Primed with JM SA Primer Low VOC followed by JM Vapor Barrier SA or Vapor Barrier SAR	Min. 1.5-inch E3	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	DEXcell FA	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-45 (Lim. 7)
S-AM-47	G33	Min. 0.5-inch DEXcell FA secured with Fasteners & Plates secured 1 fastener per 4ft <sup>2</sup> ; Primed with JM SA Primer Low VOC followed by JM Vapor Barrier SA or Vapor Barrier SAR	Min. 1.5-inch E3	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	DEXcell FA	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-45 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment (Note 10)	MDP (psf)
S-AM-48	G33	Min. 0.5-inch DEXcell FA secured with Fasteners & Plates secured 1 fastener per 4ft <sup>2</sup> ; Primed with JM SA Primer Low VOC followed by JM Vapor Barrier SA or Vapor Barrier SAR	Min. 1.5-inch E3	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	DEXcell CB	2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-45 (Lim. 7)
S-AM-49	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	SECUROCK	DF or Fastener & Plates secured 1 fastener per 1.33ft <sup>2</sup>	Base Ply: DynaBase HW Membrane: JM PVC FB	Base Ply: Torch Adhered Membrane: RSUA applied 12-inch o.c. or RSUA(S)	-52.5 (Lim. 7)
S-AM-50	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	SECUROCK	DF or Fastener & Plates secured 1 fastener per 1.33ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) applied at 1-1.1 gal/100ft <sup>2</sup> or PVC ASSBA	-52.5 (Lim. 7)
S-AM-51	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	SECUROCK	DF or Fastener & Plates secured 1 fastener per 1.33ft <sup>2</sup>	JM PVC FB	2-Part UIA(S)	-52.5 (Lim. 7)
S-AM-52	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Fastener & Plates secured 1 fastener per 1.33ft <sup>2</sup>	SECUROCK	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) applied at 1-1.1 gal/100ft <sup>2</sup> or PVC ASSBA	-52.5 (Lim. 7)
S-AM-53	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Fastener & Plates secured 1 fastener per 1.33ft <sup>2</sup>	SECUROCK	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-52.5 (Lim. 7)
S-AM-54	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Fastener & Plates secured 1 fastener per 1.33ft <sup>2</sup>	SECUROCK	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	Base Ply: DynaBase HW Membrane: JM PVC FB	Base Ply: Torch Adhered Membrane: RSUA applied 12-inch o.c. or RSUA(S)	-52.5 (Lim. 7)
S-AM-55	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 1.5-inch E3 or Protector Foam	Fastener & Plates secured 1 fastener per 1.78ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt	-52.5 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment (Note 10)	MDP (psf)
S-AM-56	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	DensDeck Prime	Fastener & Plates secured 1 fastener per 1.78ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	-52.5 (Lim. 7)
S-AM-57	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	DensDeck Prime	Fastener & Plates secured 1 fastener per 1.78ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-52.5 (Lim. 7)
S-AM-58	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	StormX	OMG Fasteners & Plates secured 8 per 4-ft x 8-ft board Pattern #3	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	-52.5 (Lim. 7)
S-AM-59	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	StormX	OMG Fasteners & Plates secured 8 per 4-ft x 8-ft board Pattern #3	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-52.5 (Lim. 7)
S-AM-60	G40	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch ENRGY 3	Fastener & Plates secured 1 fastener per 2ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-52.5 (Lim. 7)
S-AM-61	G40	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch ENRGY 3	Fastener & Plates secured 1 fastener per 2ft <sup>2</sup>	JM PVC FB	2-Part UIA(S)	-52.5 (Lim. 7)
S-AM-62	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	SECUROCK	DF or Fastener & Plates secured 1 fastener per 1.00ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) applied at 1-1.1 gal/100ft <sup>2</sup> or PVC ASSBA	-60 (Lim. 7)
S-AM-63	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	SECUROCK	DF or Fastener & Plates secured 1 fastener per 1.00ft <sup>2</sup>	JM PVC FB	2-Part UIA(S)	-60 (Lim. 7)
S-AM-64	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch ENRGY 3	Fastener & Plates secured at a rate of 1 fastener per 1.78ft <sup>2</sup>	Min 0.5-inch SECUROCK	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	Base Ply: DynaBase HW Membrane: JM PVC FB	Base Ply: Torch Adhered Membrane: RSUA applied 12-inch o.c. or RSUA(S)	-60 (Lim. 7)
S-AM-65	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch ENRGY 3	Fastener & Plates secured at a rate of 1 fastener per 1.78ft <sup>2</sup>	Min 0.5-inch SECUROCK	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) applied at 1-1.1 gal/100ft <sup>2</sup> or PVC ASSBA	-60 (Lim. 7)



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment (Note 10)	MDP (psf)
S-AM-66	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch ENRGY 3	Fastener & Plates secured at a rate of 1 fastener per 1.78ft <sup>2</sup>	Min 0.5-inch SECUROCK	OSFA, RSUA or 2-Part UIA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	-60 (Lim. 7)
S-AM-67	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	SECUROCK	DF or Fastener & Plates secured 1 fastener per 1.78ft <sup>2</sup>	Base Ply: DynaBase HW Membrane: JM PVC FB	Base Ply: Torch Adhered Membrane: RSUA applied 12-inch o.c. or RSUA(S)	-60 (Lim. 7)
S-AM-68	G33	OPTIONAL Vapor Barrier	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	Min. 1.5-inch E3 or E3 C1	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 6-inch o.c.	JM PVC FB	2-Part UIA(S)	-60 (Lim. 7)
S-AM-69	G33	OPTIONAL Vapor Barrier	Min. 2-inch ENRGY 3, ENRGY 3 CGF, ENRGY 3 FR or E3 C1	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	OSFA, RSUA or 2-Part UIA applied 4-inch o.c.	JM PVC FB	2-Part UIA(S)	-60 (Lim. 7)
S-AM-70	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch ENRGY 3 or ProtectoR Foam	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	JM PVC FB	2-Part UIA(S)	-60 (Lim. 7)
S-AM-71	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	Min 0.5-inch DensDeck Prime	OMG #12 Standard Roofgrip fasteners and 3 in. Ribbed Galvalume Plate (Flat) or UltraFast Plate Metal Flat secured 16 per 4-ft x 8-ft board	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	-60 (Lim. 7)
S-AM-72	G33	DynaBase HW adhered to min. 0.5-inch DEXcell FA secured with UF at 1 fastener per 2.0ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	2-Part UIA or RSUA applied 6-inch o.c.	Min. 0.5-inch DEXcell FA or DensDeck Prime	2-Part UIA, OSFA, or RSUA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-60 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment (Note 10)	MDP (psf)
S-AM-73	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	Min 0.5-inch DensDeck Prime	OMG #12 Standard Roofgrip fasteners and 3 in. Ribbed Galvalume Plate (Flat) or UltraFast Plate Metal Flat secured 16 per 4-ft x 8-ft board	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-60 (Lim. 7)
S-AM-74	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	SECUROCK or JM Invinsa	RSUA or 2-Part UIA applied 6-inch o.c.	JM PVC FB	RSUA applied 12-inch o.c. or RSUA(S)	-67.5 (Lim. 7)
S-AM-75	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	SECUROCK	OSFA, RSUA or 2-Part UIA applied 6-inch o.c.	Base Ply: DynaBase HW Membrane: JM PVC FB	Base Ply: Torch Adhered Membrane: RSUA applied 12-inch o.c. or RSUA(S)	-67.5 (Lim. 7)
S-AM-76	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch ENRGY 3 CGF or ENRGY 3 FR	Fastener & Plates secured 1 fastener per 2.0ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-67.5 (Lim. 7)
S-AM-77	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch ENRGY 3 CGF or ENRGY 3 FR	Fastener & Plates secured 1 fastener per 2.0ft <sup>2</sup>	JM PVC FB	2-Part UIA(S)	-67.5 (Lim. 7)
S-AM-78	G33	OPTIONAL Vapor Barrier	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	Min. 0.5-inch Protector HD, DEXcell FA, or SECUROCK	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 6-inch o.c.	JM PVC FB	RSUA 12-inch o.c.	-67.5 (Lim. 7)
S-AM-79	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	Min 0.5-inch DensDeck Prime	Fastener & Plates secured 1 fastener per 1.78ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	-67.5 (Lim. 7)
S-AM-80	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	Min 0.5-inch DensDeck Prime	Fastener & Plates secured 1 fastener per 1.78ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-67.5 (Lim. 7)
S-AM-81	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	StormX	OMG Fasteners & Plates secured 12 per 4-ft x 8-ft board	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	-67.5 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment (Note 10)	MDP (psf)
S-AM-82	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	StormX	OMG Fasteners & Plates secured 12 per 4-ft x 8-ft board	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-67.5 (Lim. 7)
S-AM-83	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch E3, E3 C1, or ProtectoR Foam	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-75 (Lim. 7)
S-AM-84	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch E3, E3 C1, or ProtectoR Foam	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	JM PVC FB	2-Part UIA(S)	-75 (Lim. 7)
S-AM-85	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt	-75 (Lim. 7)
S-AM-86	G33	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 2-inch Invinsa Foam	Fastener & Plates secured 1 fastener per 2.0ft <sup>2</sup>	JM PVC SD Plus	PVC MA (LowVOC)	-75 (Lim. 7)
S-AM-87	G33	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch SECUROCK	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-75 (Lim. 7)
S-AM-88	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	StormX	OMG Fasteners & Plates secured 14 per 4-ft x 8-ft board	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) applied at 1.0 gal/100ft <sup>2</sup> or PVC ASSBA	-75 (Lim. 7)
S-AM-89	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	StormX	OMG Fasteners & Plates secured 14 per 4-ft x 8-ft board	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-75 (Lim. 7)
S-AM-90	G80	Min. 0.5-inch DEXcell FA; Fastener & Plates secured 1 fastener per 1.0ft <sup>2</sup> ; JM Vapor Barrier SA self-adhered over SA Primer	Min. 1.5-inch E3	RSUA or 2-Part UIA; Applied 6-inch o.c.	Min. 0.5-inch DEXcell FA	RSUA applied 6-inch o.c.	JM PVC FB (Min. 60 mil)	RSUA applied 6-inch o.c., RSUA(S), or 2-Part UIA(S)	-82.5 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)</b>									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
S-AM-91	G33	Min. 0.5-inch DEXcell FA secured with top layer; JM Vapor Barrier SA self-adhered	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DEXcell FA	Fastener & Plates or DF secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC FB (Min. 60 mil)	RSUA applied 4-inch o.c., RSUA(S), or 2-Part UIA(S)	<b>-82.5 (Lim. 7)</b>
S-AM-92	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch E3, E3 C1, or ProtectoR Foam	Fastener & Plates secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	<b>-82.5 (Lim. 7)</b>
S-AM-93	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	<b>-82.5 (Lim. 7)</b>
S-AM-94	G33	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DEXcell FA	Fastener & Plates or DF secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) applied at 1.0 gal/100ft <sup>2</sup>	<b>-82.5 (Lim. 7)</b>
S-AM-95	G33	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DensDeck Prime	Fastener & Plates secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) applied at 1.0 gal/100ft <sup>2</sup> or PVC ASSBA	<b>-82.5 (Lim. 7)</b>
S-AM-96	G33	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DensDeck Prime	Fastener & Plates secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	<b>-82.5 (Lim. 7)</b>
S-AM-97	G33	OPTIONAL Vapor Barrier	Min. 2-inch ENRGY 3, ENRGY 3 CGF, ENRGY 3 FR or E3 C1	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	OSFA, RSUA or 2-Part UIA applied 4-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	<b>-82.5 (Lim. 7)</b>
S-AM-98	G33,	OPTIONAL Vapor Barrier	Min. 2-inch ENRGY 3, ENRGY 3 CGF, ENRGY 3 FR or E3 C1	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	OSFA, RSUA or 2-Part UIA applied 4-inch o.c.	JM PVC FB	ASTM D 312 Type IV	<b>-82.5 (Lim. 7)</b>
S-AM-99	G33	OPTIONAL Vapor Barrier	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	Min. 0.5-inch ProtectoR HD, DensDeck Prime, DEXcell FA, or SECUROCK	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	<b>-82.5 (Lim. 7)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment (Note 10)	MDP (psf)
S-AM-100	G33	OPTIONAL Vapor Barrier	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	Min. 0.5-inch Protector HD, DensDeck Prime, or SECUROCK	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC ASSBA	-82.5 (Lim. 7)
S-AM-101	G33	OPTIONAL Vapor Barrier	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	Min. 0.5-inch Protector HD, DEXcell FA, or SECUROCK	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 6-inch o.c.	JM PVC FB	2-Part UIA(S)	-82.5 (Lim. 7)
S-AM-102	G33	OPTIONAL Vapor Barrier	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1.6ft <sup>2</sup>	Min. 1.5-inch E3 or E3 C1	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-82.5 (Lim. 7)
S-AM-103	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	StormX	OMG Fasteners & Plates secured 12 per 4-ft x 8-ft board Pattern #2	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) applied at 1.0 gal/100ft <sup>2</sup> or PVC ASSBA	-82.5 (Lim. 7)
S-AM-104	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	StormX	OMG Fasteners & Plates secured 12 per 4-ft x 8-ft board Pattern #2	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-82.5 (Lim. 7)
S-AM-105	G80	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	Min 0.625-inch DensDeck Prime	Fastener & Plates secured 1 fastener per 1.33ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC WBMA	-90 (Lim. 7)
S-AM-106	G80	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	Min 0.625-inch DensDeck Prime	Fastener & Plates secured 1 fastener per 1.33ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt	-90 (Lim. 7)
S-AM-107	G33	OPTIONAL Vapor Barrier	Min. 2-inch ENRGY 3, ENRGY 3 CGF, ENRGY 3 FR or E3 C1	Fasteners & Plates secured 1 fastener per 1ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	RSUA or 2-Part UIA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-90 (Lim. 7)
S-AM-108	G33	OPTIONAL Vapor Barrier	Min. 2-inch ENRGY 3, ENRGY 3 CGF, ENRGY 3 FR or E3 C1	Fasteners & Plates secured 1 fastener per 1ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	RSUA or 2-Part UIA applied 6-inch o.c.	JM PVC FB	2-Part UIA(S)	-90 (Lim. 7)



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)</b>									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
S-AM-109	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	StormX	OMG Fasteners & Plates secured 18 per 4-ft x 8-ft board Pattern #1	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) applied at 1.0 gal/100ft <sup>2</sup>	-97.5 (Lim. 7)
S-AM-110	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	StormX	OMG Fasteners & Plates secured 18 per 4-ft x 8-ft board Pattern #1	JM PVC FB	ASTM D 312 Type IV Asphalt	-97.5 (Lim. 7)
S-AM-111	G80	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DEXcell FA	Fastener & Plates or DF secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) applied at 1.0 gal/100ft <sup>2</sup>	-105 (Lim. 7)
S-AM-112	G80	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch ENRGY 3 CGF or ENRGY 3 FR	Fastener & Plates secured 1 fastener per 1.33ft <sup>2</sup>	JM PVC SD Plus	PVC MA (LowVOC)	-105 (Lim. 7)
S-AM-113	G80	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DensDeck Prime	Fastener & Plates secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC or PVC SD Plus	PVC MA (LowVOC) applied at 1.0 gal/100ft <sup>2</sup>	-112.5 (Lim. 7)
S-AM-114	G80	OPTIONAL Vapor Barrier	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DensDeck Prime	Fastener & Plates secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt	-112.5 (Lim. 7)
S-AM-115	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	StormX	OMG Fasteners & Plates secured 20 per 4-ft x 8-ft board or 18 per 4-ft x 8-ft board Pattern #2	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) applied at 1.0 gal/100ft <sup>2</sup>	-112.5 (Lim. 7)
S-AM-116	G33	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	StormX	OMG Fasteners & Plates secured 20 per 4-ft x 8-ft board or 18 per 4-ft x 8-ft board Pattern #2	JM PVC FB	ASTM D 312 Type IV Asphalt	-112.5 (Lim. 7)
S-AM-117	G80	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch E3, E3 C1, or ProtectoR Foam	Fastener & Plates secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-120 (Lim. 7)
S-AM-118	G80	OPTIONAL Vapor Barrier	OPTIONAL INSULATION	Simultaneously secured with top layer	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC FB	ASTM D 312 Type IV Asphalt	-120 (Lim. 7)



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Insulated Steel Deck (New, Existing, or Recover)</b>									
System No.	Deck Detail	Thermal/Vapor Barrier	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
S-AM-119	G80	OPTIONAL Vapor Barrier	Min. 2-inch ENRGY 3, ENRGY 3 CGF, ENRGY 3 FR or E3 C1	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	OSFA, RSUA or 2-Part UIA applied 4-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-120 (Lim. 7)
S-AM-120	G80	OPTIONAL Vapor Barrier	Min. 2-inch ENRGY 3, ENRGY 3 CGF, ENRGY 3 FR or E3 C1	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	Min. 1.5-inch ENRGY 3	OSFA, RSUA or 2-Part UIA applied 4-inch o.c.	JM PVC FB	ASTM D 312 Type IV Asphalt	-120 (Lim. 7)
S-AM-121	G80	OPTIONAL Vapor Barrier	Min. 2-inch E3 or E3 C1	Fastener & Plates secured 1 fastener per 1ft <sup>2</sup>	ProtectoR HD	OSFA, RSUA, 2-Part UIA-C(B), or 2-Part UIA applied 4-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-120 (Lim. 7)
S-AM-122	G80	OPTIONAL Vapor Barrier	OPTIONAL INSULATION under min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DEXcell FA	Fastener & Plates or DF secured 1 fastener per 1ft <sup>2</sup>	JM PVC FB	2-Part UIA(S)	-135 (Lim. 7)
S-AM-123	G80	Min. 0.5-inch DEXcell FA secured with top layer; JM Vapor Barrier SA self-adhered	Min. 1.5-inch E3	Simultaneously secured with top layer	Min. 0.5-inch DEXcell FA	Fastener & Plates or DF secured 1 fastener per 1.0ft <sup>2</sup>	JM PVC FB	RSUA applied 4-inch o.c.	-142.5 (Lim. 7)

<b>Mechanically Fastened Assemblies over Steel Deck (New, Existing, or Recover)</b>								
System No.	Deck Detail	Base Insulation <a href="#">(Note 11)</a>	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
S-M-1	G33	OPTIONAL INSULATION under min. 1-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC (Min. 60 mil)	Attached in-lap 12-inch o.c. with HL Fasteners & Plates; Fastener rows max. 138-inch o.c.	-30 (Lim. 7)
S-M-2	G33	OPTIONAL INSULATION under min. 1.5-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC SD Plus	Attached in-lap 6-inch o.c. with Extra HL Fastener & Plates; Min. 6-inch wide side laps; Fastener rows max. 114-inch o.c.	-37.5 (Lim. 7)
S-M-3	G33	OPTIONAL INSULATION under min. 1-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC	Attached in-lap 6-inch o.c. with Extra HL Fastener & Plates; Min. 6-inch wide side laps; Fastener rows max. 114-inch o.c.	-37.5 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Mechanically Fastened Assemblies over Steel Deck (New, Existing, or Recover)								
System No.	Deck Detail	Base Insulation (Note 11)	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment (Note 12)	MDP (psf)
S-M-4	G33	OPTIONAL INSULATION under min. 1-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC, JM PVC SD Plus, or JM PVC SL	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 6-inch wide side laps; Fastener rows max. 114-inch o.c.	-45 (Lim. 7)
S-M-5	G33	OPTIONAL INSULATION under min. 1-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC SD Plus or JM PVC SL	Attached in-lap 12-inch o.c. with HL Fasteners & Plates; Min. 6-inch wide side laps; Fastener rows max. 54-inch o.c.	-45 (Lim. 7)
S-M-6	G33	OPTIONAL INSULATION under min. 1-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 6-inch wide side laps; Fastener rows max. 114-inch o.c.	-45 (Lim. 7)
S-M-7	G80	OPTIONAL INSULATION under min. 1.5-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC	Attached in-lap 12-inch o.c. with HL Fasteners & Plates; Min. 5-inch wide side laps; Fastener rows max. 73-inch o.c.	-45 (Lim. 7)
S-M-8	G33	OPTIONAL INSULATION under min. 1.5-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 6-inch wide side laps; Fastener rows max. 72-inch o.c.	-45 (Lim. 7)
S-M-9	G33	OPTIONAL INSULATION under min. 1-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC (Min. 60 mil)	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Fastener rows max. 138-inch o.c.	-52.5 (Lim. 7)
S-M-10	G80	OPTIONAL INSULATION under min. 1.5-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC (Min. 60 mil)	Attached in-lap 12-inch o.c. with HL Fasteners & Plates; Min. 5-inch wide side laps with min. 2-inch wide heat welds; Fastener rows max. 73-inch o.c.	-52.5 (Lim. 7)
S-M-11	G33	OPTIONAL INSULATION under min. 1.5-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC FB/ DynaFast	HL Fasteners & Plates spaced 6-inch o.c within each min. 4-inch heat welded side laps in rows max. 70-inch o.c.	-52.5 (Lim. 9)
S-M-12	G33	OPTIONAL INSULATION under min. 1.5-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC SD Plus or JM PVC SL	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 6-inch wide side laps; Fastener rows max. 54-inch o.c.	-60 (Lim. 7)
S-M-13	G80	OPTIONAL INSULATION under min. 1.5-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 5-inch wide side laps; Fastener rows max. 73-inch o.c.	-60 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Mechanically Fastened Assemblies over Steel Deck (New, Existing, or Recover)</b>								
System No.	Deck Detail	Base Insulation (Note 11)	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment (Note 12)	MDP (psf)
S-M-14	G80	OPTIONAL INSULATION under min. 1.5-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC or JM PVC FB	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 4.5-inch wide side laps with min. 2-inch wide heat welds; Fastener rows max. 114-inch o.c.	<b>-60 (Lim. 7)</b>
S-M-15	G80	OPTIONAL INSULATION under min. 1.5-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 5.5-inch wide side laps with min. 2-inch wide heat welds; Fastener rows max. 114-inch o.c.	<b>-60 (Lim. 7)</b>
S-M-16	G80	OPTIONAL INSULATION under min. 1-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC	Attached in-lap 6-inch o.c. with Extra High Load Fasteners & OMG Super XHD 2-3/4 Barbed Plates; Min. 5.5-inch wide side laps with min. 2-inch wide heat welds; Fastener rows max. 114-inch o.c.	<b>-60 (Lim. 7)</b>
S-M-17	G33	OPTIONAL INSULATION under min. 1-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC FB/ DynaFast	APB Fasteners & Plates spaced 6-inch o.c within each min. 4-inch heat welded side lap.	<b>-60 (Lim. 9)</b>
S-M-18	G33	OPTIONAL INSULATION under min. 1-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC FB/ DynaFast	HL Fasteners & Plates spaced 12-inch o.c within each min. 4-inch heat welded side lap.	<b>-60 (Lim. 9)</b>
S-M-19	G33	OPTIONAL INSULATION under min. 1-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC FB/ DynaFast	High Load LH Fasteners and Polymer Membrane Batten OR High Load Fasteners and Deep Well Batten strip spaced 6-inch o.c. within min. 4-inch heat welded side laps in rows max. 71-inch o.c.	<b>-60 (Lim. 9)</b>
S-M-20	G33	OPTIONAL INSULATION under min. 1.5-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC FB/ DynaFast	HL Fasteners & Plates spaced 12-inch o.c within each min. 6-inch heat welded side lap.	<b>-67.5 (Lim. 9)</b>
S-M-21	G80	OPTIONAL INSULATION under min. 1-inch E3	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC (Min. 60 mil)	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Min. 6-inch wide side laps with min. 2-inch wide heat welds; Fastener rows max. 72-inch o.c.	<b>-75 (Lim. 7)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Mechanically Fastened Assemblies over Steel Deck (New, Existing, or Recover)</b>								
System No.	Deck Detail	Base Insulation <a href="#">(Note 11)</a>	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
S-M-22	G33	OPTIONAL INSULATION under min. 1.5-inch E3	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i>	JM PVC SD Plus	JM Polymer Membrane Batten spaced 72-inch o.c. and fastened with JM High Load Fasteners spaced 6-inch o.c.; Battens covered with JM PVC Detail Strip welded to membrane along each edge	<b>-75 (Lim. 7)</b>

<b>Induction Welded Assemblies over Steel Deck (New, Existing, or Recover)</b>								
System No.	Deck Detail	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
S-W-1	G33	INSULATION	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i> ; IW #15 secured 12-inch o.c. in rows 72-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-37.5 (Lim. 7)</b>
S-W-2	G33	INSULATION	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	Attached with ISOWELD-#15 spaced 12-inch o.c. in rows 60-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-37.5 (Lim. 7)</b>
S-W-3	G80	INSULATION	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	Attached with ISOWELD-#12 or ISOWELD-#15 spaced in a 2-ft x 3-ft staggered grid	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-37.5 (Lim. 7)</b>
S-W-4	G33	INSULATION	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	Attached with ISOWELD-#15 spaced in a 2-ft x 3-ft staggered grid	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-37.5 (Lim. 7)</b>
S-W-5	22 GA Type N; G80	INSULATION	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	Attached with IW #15 at a rate of 6 per 4-ft x 8-ft board Type N; Insulation/Cover Boards laid perpendicular to deck flutes; Boards ends offset 8-inch from previous row	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-37.5 (Lim. 7)</b>
S-W-6	G33, F1, L6, S24	INSULATION	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	<i>Preliminarily Secured</i> ; IW #15 secured 12-inch o.c. in rows 60-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-45 (Lim. 7)</b>
S-W-7	G33	INSULATION	<i>Preliminarily Secured</i> or secured with top layer	OPTIONAL Cover Board	Attached with ISOWELD-#15 spaced 24-inch o.c. in rows 24-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-45 (Lim. 7)</b>

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Induction Welded Assemblies over Steel Deck (New, Existing, or Recover)</b>								
System No.	Deck Detail	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
S-W-8	G80	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with <i>ISOWELD-#12</i> or <i>ISOWELD-#15</i> spaced 12-inch o.c. in rows 60-inch o.c.	<i>JM PVC</i> or <i>JM PVC SD Plus</i> (Min. 60 mil)	Induction welded to weld plates	<b>-45 (Lim. 7)</b>
S-W-9	G33	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	<i>IW #15</i> in a 2-ft x 2-ft staggered grid pattern	<i>JM PVC SD Plus</i> (Min. 60 mil)	Induction welded to weld plates	<b>-52.5 (Lim. 7)</b>
S-W-10	22 GA Type N; G80	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with <i>IW #15</i> at a rate of 8 per 4-ft x 8-ft board Type N; Insulation/Cover Boards laid perpendicular to deck flutes; Boards ends offset 8-inch from previous row	<i>JM PVC</i> or <i>JM PVC SD Plus</i> (Min. 60 mil)	Induction welded to weld plates	<b>-52.5 (Lim. 7)</b>
S-W-11	G33	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with <i>ISOWELD-#15</i> spaced 6-inch o.c. in rows 60-inch o.c.	<i>JM PVC</i> or <i>JM PVC SD Plus</i> (Min. 60 mil)	Induction welded to weld plates	<b>-60 (Lim. 7)</b>
S-W-12	G33	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	<i>IW #15</i> at a rate of 8 per 4-ft x 8-ft board Pattern #1 (1 fastener per 4.0-ft <sup>2</sup> )	<i>JM PVC</i> (Min. 60 mil)	Induction welded to weld plates	<b>-67.5 (Lim. 7)</b>
S-W-13	G33	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with <i>ISOWELD-#15</i> or <i>ISOWELD-#14</i> spaced 18-inch o.c. in rows 24-inch o.c.	<i>JM PVC</i> or <i>JM PVC SD Plus</i> (Min. 60 mil)	Induction welded to weld plates	<b>-67.5 (Lim. 7)</b>
S-W-14	G33	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with <i>IW #15</i> spaced 6-inch o.c. in rows 138-inch o.c.; Induction weld plates centered between membrane side laps	<i>JM PVC</i> (Min. 60 mil)	Induction welded to weld plates and attached in-lap 6-inch o.c. with <i>HL Fasteners &amp; Plates</i> ; Min. 6-inch wide side laps; In-lap fastener rows max. 138-inch o.c.	<b>-67.5 (Lim. 7)</b>
S-W-15	G33	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	<i>Preliminarily Secured</i> ; <i>IW #15</i> secured 6-inch o.c. in rows 72-inch o.c.	<i>JM PVC</i> or <i>JM PVC SD Plus</i> (Min. 60 mil)	Induction welded to weld plates	<b>-82.5 (Lim. 7)</b>
S-W-16	G33	INSULATION	<i>Preliminarily Secured or secured with top layer</i>	OPTIONAL Cover Board	Attached with <i>ISOWELD-#15</i> spaced in a 1.5-ft x 2-ft staggered grid	<i>JM PVC</i> or <i>JM PVC SD Plus</i> (Min. 60 mil)	Induction welded to weld plates	<b>-82.5 (Lim. 7)</b>



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Induction Welded Assemblies over Steel Deck (New, Existing, or Recover)</b>								
System No.	Deck Detail	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
S-W-17	G33	INSULATION	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Attached with ISOWELD-#15 spaced 18-inch o.c. in rows 18-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-82.5 (Lim. 7)</b>
S-W-18	G33	INSULATION	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured; IW #15 secured 6-inch o.c. in rows 60-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-90 (Lim. 7)</b>
S-W-19	G33	INSULATION	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	IW #15 at a rate of 15 per 4-ft x 8-ft board (1 fastener per 2.13-ft <sup>2</sup> )	JM PVC (Min. 60 mil)	Induction welded to weld plates	<b>-90 (Lim. 7)</b>
S-W-20	G33	INSULATION	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Attached with ISOWELD-#15 spaced 6-inch o.c. in rows 60-inch o.c.	JM PVC or JM PVC SD Plus (Min. 60 mil)	Induction welded to weld plates	<b>-90 (Lim. 7)</b>

<b>Adhered Assemblies over Wood Deck (New or Existing)</b>								
System No.	Deck Detail	Base Insulation <a href="#">(Note 6)</a>	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
W-A-1	T7/160, L24	PermaPly 28	RS Nails & Tin Caps attached 8-inch o.c. at the 3-inch wide side laps and 8-inch o.c. in two equally spaced rows in the field	Min. 1.5-inch E3	RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	<b>-37.5 (Lim. 7)</b>
W-A-2	T7/160, L24	PermaPly 28	RS Nails & Tin Caps attached 8-inch o.c. at the 3-inch wide side laps and 8-inch o.c. in two equally spaced rows in the field	Min. 1.5-inch E3	RSUA applied 12-inch o.c.	JM PVC FB	2-Part UIA(S)	<b>-37.5 (Lim. 7)</b>
W-A-3	T7/160, L24	PermaPly 28	RS Nails & Tin Caps attached 8-inch o.c. at the 3-inch wide side laps and 8-inch o.c. in two equally spaced rows in the field	ProtectoR HD, DensDeck Prime, or SECUROCK over OPTIONAL Min. 1.5-inch E3	RSUA applied 12-inch o.c.	JM PVC FB	RSUA(S), 2-Part UIA(S), PVC WBMA, ASBA, or RSUA applied 12-inch o.c.	<b>-37.5 (Lim. 7)</b>



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

Adhered Assemblies over Wood Deck (New or Existing)								
System No.	Deck Detail	Base Insulation (Note 6)	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment (Note 10)	MDP (psf)
W-A-4	T7/16O, L24	PermaPly 28	RS Nails & Tin Caps attached 8-inch o.c. at the 3-inch wide side laps and 8-inch o.c. in two equally spaced rows in the field	ProtectoR HD, DensDeck Prime, DEXcell FA, or SECUROCK over OPTIONAL Min. 1.5-inch E3	RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-37.5 (Lim. 7)
W-A-5	T7/16O, L24	PermaPly 28	RS Nails & Tin Caps attached 8-inch o.c. at the 3-inch wide side laps and 8-inch o.c. in two equally spaced rows in the field	ProtectoR HD, DensDeck Prime, or SECUROCK over OPTIONAL Min. 1.5-inch E3	RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC ASSBA	-37.5 (Lim. 7)
W-A-6	T7/16O, L24	Min. 1.5-inch E3	RSUA or 2-Part UIA applied 12-inch o.c.	DEXcell FA	OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-45 (Lim. 9)
W-A-7	T7/16O, L24	Min. 1.5-inch E3	RSUA or 2-Part UIA applied 12-inch o.c.	DensDeck Prime, or SECUROCK	OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	-45 (Lim. 9)
W-A-8	T7/16O, L24	Min. 1.5-inch E3	RSUA or 2-Part UIA applied 12-inch o.c.	DensDeck Prime, DEXcell FA, or SECUROCK	OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	JM PVC FB	PVC WBMA, ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-45 (Lim. 9)
W-A-9	T7/16O, L24	Min. 1.5-inch E3	RSUA or 2-Part UIA applied 12-inch o.c.	-	-	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), or PVC ASSBA	-45 (Lim. 9)
W-A-10	T7/16O, L24	Min. 1.5-inch ENRGY 3	RSUA or 2-Part UIA applied 12-inch o.c.	-	-	JM PVC or JM PVC SD Plus	PVC WBMA	-45 (Lim. 9)
W-A-11	T7/16O, L24	Min. 1.5-inch E3	RSUA or 2-Part UIA applied 12-inch o.c.	-	-	JM PVC FB	2-Part UIA(S), PVC WBMA or ASBA	-45 (Lim. 9)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Insulated Wood Deck (New, Existing, or Recover)</b>								
System No.	Deck Detail	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
W-AM-1	T7/160, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	Min. 1.5-inch E3 or E3 C1	Trufast VERSA-FAST fastener and UltraFast Metal Plate (Round) secured 12 per 4-ft x 8-ft board Pattern #1	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA or PVC ASSBA	-30 (Lim. 7)
W-AM-2	T7/160, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	Min. 1.5-inch E3 or E3 C1	Trufast VERSA-FAST fastener and UltraFast Metal Plate (Round) secured 12 per 4-ft x 8-ft board Pattern #1	JM PVC FB	2-Part UIA(S), PVC WBMA, ASBA, RSUA(S), or RSUA applied 12-inch o.c	-30 (Lim. 7)
W-AM-3	T7/160, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	DensDeck Prime	Trufast VERSA-FAST fastener and UltraFast Metal Plate (Square) secured 12 per 4-ft x 8-ft board Pattern #1	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	-37.5 (Lim. 7)
W-AM-4	T7/160, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	DensDeck Prime	Trufast VERSA-FAST fastener and UltraFast Metal Plate (Square) secured 12 per 4-ft x 8-ft board Pattern #1	JM PVC FB	PVC WBMA, ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-37.5 (Lim. 7)
W-AM-5	T19/320, L24	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	DEXcell FA	UltraFast Fasteners & Plates (Square) at a rate of 6 per 4-ft x 4-ft board (1 fastener per 2.67-ft <sup>2</sup> )	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-37.5 (Lim. 7)
W-AM-6	T7/160 or T15/32P, L24	OPTIONAL INSULATION under min. 1.5-inch E3	Preliminarily Secured or secured with top layer	ProtectoR HD	UF at a rate of 1 fastener per 2-ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-37.5 (Lim. 7)
W-AM-7	T7/160 or T15/32P, L24	OPTIONAL INSULATION under min. 1.5-inch E3	Preliminarily Secured or secured with top layer	ProtectoR HD	UF at a rate of 1 fastener per 2-ft <sup>2</sup>	JM PVC FB	RSUA applied 12-inch o.c., RSUA(S), or 2-Part UIA(S)	-37.5 (Lim. 7)
W-AM-8	T15/32P, L24	-	-	ProtectoR HD	RSUA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-37.5 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Insulated Wood Deck (New, Existing, or Recover)</b>								
System No.	Deck Detail	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment (Note 10)	MDP (psf)
W-AM-9	T15/32P, L24	-	-	ProtectoR HD	RSUA applied 12-inch o.c.	JM PVC FB	RSUA applied 12-inch o.c., RSUA(S), or 2-Part UIA(S)	-37.5 (Lim. 7)
W-AM-10	19/32P, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	Min. 1.5-inch ENRGY 3 CGF or ENRGY 3 FR	DF, TF or UF secured 1 fastener per 4ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA or PVC ASSBA	-37.5 (Lim. 7)
W-AM-11	19/32P, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	Min. 1.5-inch ENRGY 3 CGF or ENRGY 3 FR	DF, TF or UF secured 1 fastener per 4ft <sup>2</sup>	JM PVC FB	2-Part UIA(S), PVC WBMA, ASBA, RSUA(S), or RSUA applied 12-inch o.c	-37.5 (Lim. 7)
W-AM-12	T7/160 or T15/32P, L24	OPTIONAL INSULATION	Preliminarily Secured or secured with top layer	Min. 1.5-inch ENRGY 3 or ProtectoR Foam	Fastener & Plates at a rate of 16 per 4-ft x 8-ft board (1 fastener per 2-ft <sup>2</sup> )	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-45 (Lim. 7)
W-AM-13	T7/160 or T15/32P, L24	OPTIONAL INSULATION under min. 1.5-inch E3 or E3 C1	JM High Load Fasteners and UltraFast Plates secured at a rate of 16 per 4-ft x 8-ft board	DEXcell FA	OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-45 (Lim. 7)
W-AM-14	T7/160 or T15/32P, L24	OPTIONAL INSULATION under min. 1.5-inch E3 or E3 C1	JM High Load Fasteners and UltraFast Plates secured at a rate of 16 per 4-ft x 8-ft board	DensDeck Prime, or SECUROCK	OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA, or PVC ASSBA	-45 (Lim. 7)
W-AM-15	T7/160 or T15/32P, L24	OPTIONAL INSULATION under min. 1.5-inch E3 or E3 C1	JM High Load Fasteners and UltraFast Plates secured at a rate of 16 per 4-ft x 8-ft board	DensDeck Prime, DEXcell FA, or SECUROCK	OSFA, RSUA, or 2-Part UIA applied 12-inch o.c.	JM PVC FB	PVC WBMA, ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-45 (Lim. 7)
W-AM-16	19/32P, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	Min. 1.5-inch E3 or E3 C1	DF or TF secured 12 per 4-ft x 8-ft board Pattern #1	JM PVC or JM PVC SD Plus	PVC MA (LowVOC), PVC WBMA or PVC ASSBA	-45 (Lim. 7)
W-AM-17	19/32P, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	Min. 1.5-inch E3 or E3 C1	DF or TF secured 12 per 4-ft x 8-ft board Pattern #1	JM PVC FB	2-Part UIA(S), PVC WBMA, ASBA, RSUA(S), or RSUA applied 12-inch o.c	-45 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Insulated Wood Deck (New, Existing, or Recover)</b>								
System No.	Deck Detail	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
W-AM-18	15/32O, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	DEXcell FA	All Purpose Fasteners and UltraFast Plates secured 1 fastener per 2.67ft <sup>2</sup>	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-45 (Lim. 7)
W-AM-19	15/32O, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	DEXcell FA	All Purpose Fasteners and UltraFast Plates secured 1 fastener per 2.67ft <sup>2</sup>	JM PVC FB (Min. 60 mil)	RSUA applied 4-inch o.c., RSUA(S), or 2-Part UIA(S)	-45 (Lim. 7)
W-AM-20	T15/32P, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	Min. 2-inch E3	Fasteners & Plates secured 16 per 4-ft x 8-ft board	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-52.5 (Lim. 7)
W-AM-21	T15/32P, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	Min. 2-inch E3	Fasteners & Plates secured 16 per 4-ft x 8-ft board	JM PVC FB	2-Part UIA(S) or ASTM D 312 Type IV Asphalt	-52.5 (Lim. 7)
W-AM-22	T15/32P, L24	Min. 2-inch E3	Fasteners & Plates secured 16 per 4-ft x 8-ft board	Min. 0.5-inch ProtectoR HD, DensDeck Prime, DEXcell FA, or SECUROCK	OSFA, RSUA, or 2-Part UIA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-52.5 (Lim. 7)
W-AM-23	T15/32P, L24	Min. 2-inch E3	Fasteners & Plates secured 16 per 4-ft x 8-ft board	Min. 0.5-inch ProtectoR HD, DensDeck Prime, or SECUROCK	OSFA, RSUA, or 2-Part UIA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC ASSBA	-52.5 (Lim. 7)
W-AM-24	T15/32P, L24	Min. 2-inch E3	Fasteners & Plates secured 16 per 4-ft x 8-ft board	Min. 0.5-inch ProtectoR HD, DEXcell FA, or SECUROCK	OSFA, RSUA, or 2-Part UIA applied 6-inch o.c.	JM PVC FB	2-Part UIA(S)	-52.5 (Lim. 7)
W-AM-25	T15/32P, L24	Min. 2-inch E3	Fasteners & Plates secured 16 per 4-ft x 8-ft board	Min. 1.5-inch E3	OSFA, RSUA, or 2-Part UIA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-52.5 (Lim. 7)
W-AM-26	T15/32P, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	Min. 0.5-inch DEXcell FA	JM UltraFast Plate Metal Flat and All Purpose Fastener secured 24 per 4-ft x 8-ft board Pattern #2	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-75 (Lim. 7)

**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Assemblies with Adhered Membranes over Insulated Wood Deck (New, Existing, or Recover)</b>								
System No.	Deck Detail	Base Insulation	Base Insulation Attachment	Top Insulation or Coverboard	Top Insulation or Coverboard Attachment	Membrane	Membrane Attachment <a href="#">(Note 10)</a>	MDP (psf)
W-AM-27	T15/32P, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	Min. 0.5-inch DEXcell FA	JM UltraFast Plate Metal Flat and All Purpose Fastener secured 24 per 4-ft x 8-ft board Pattern #2	JM PVC FB	2-Part UIA(S)	-75 (Lim. 7)
W-AM-28	T19/32P, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	Min. 0.5-inch DEXcell FA	JM UltraFast Plate Metal Flat and All Purpose Fastener secured 24 per 4-ft x 8-ft board Pattern #2	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-82.5 (Lim. 7)
W-AM-29	T19/32P, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	Min. 0.5-inch DEXcell FA	JM UltraFast Plate Metal Flat and All Purpose Fastener secured 24 per 4-ft x 8-ft board Pattern #2	JM PVC FB	2-Part UIA(S)	-82.5 (Lim. 7)
W-AM-30	T15/32P, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	Min. 2-inch E3	Fasteners & Plates secured 24 per 4-ft x 8-ft board Pattern #2	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-82.5 (Lim. 7)
W-AM-31	T15/32P, L24	Optional INSULATION and/or Vapor Barrier	Preliminarily Secured or secured with top layer	Min. 2-inch E3	Fasteners & Plates secured 24 per 4-ft x 8-ft board Pattern #2	JM PVC FB	ASTM D 312 Type IV Asphalt or 2-Part UIA(S)	-82.5 (Lim. 7)
W-AM-32	T15/32P, L24	Min. 2-inch E3	Fasteners & Plates secured 24 per 4-ft x 8-ft board Pattern #2	Min. 0.5-inch ProtectoR HD, DensDeck Prime, DEXcell FA, or SECUROCK	OSFA, RSUA, or 2-Part UIA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC)	-82.5 (Lim. 7)
W-AM-33	T15/32P, L24	Min. 2-inch E3	Fasteners & Plates secured 24 per 4-ft x 8-ft board Pattern #2	Min. 0.5-inch ProtectoR HD, DensDeck Prime, or SECUROCK	OSFA, RSUA, or 2-Part UIA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC ASSBA	-82.5 (Lim. 7)
W-AM-34	T15/32P, L24	Min. 2-inch E3	Fasteners & Plates secured 24 per 4-ft x 8-ft board Pattern #2	Min. 0.5-inch ProtectoR HD, DEXcell FA, or SECUROCK	OSFA, RSUA, or 2-Part UIA applied 6-inch o.c.	JM PVC FB	2-Part UIA(S)	-82.5 (Lim. 7)
W-AM-35	T15/32P, L24	Min. 2-inch E3	Fasteners & Plates secured 24 per 4-ft x 8-ft board Pattern #2	Min. 1.5-inch E3	OSFA, RSUA, or 2-Part UIA applied 6-inch o.c.	JM PVC or JM PVC SD Plus	PVC MA (LowVOC) or PVC ASSBA	-82.5 (Lim. 7)



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

<b>Mechanically Fastened Assemblies over Wood Deck (New or Existing)</b>									
System No.	Deck Detail	Thermal Barrier	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
W-M-1	T19/32P, L24	As required	Min. 0.25-inch INSULATION	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC	Attached in-lap 6-inch o.c. with HL Fasteners & Plates; Fastener rows max. 72-inch o.c.	<b>-37.5 (Lim. 7)</b>
W-M-2	T15/32P, L24	As required	Min. 0.25-inch INSULATION	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	Preliminarily Secured	JM PVC	Attached in-lap 12-inch o.c. with All Purpose Fasteners and High Load Plates through deck into wood supports; Fastener shall have sufficient length to penetrate min. 1.5-inch into wood supports; Fastener rows max. 72-inch o.c.	<b>-45 (Lim. 7)</b>

<b>Induction Welded Assemblies over Wood Deck (New or Existing)</b>									
System No.	Deck Detail	Thermal Barrier	Base Insulation	Base Insulation Attachment	Top Insulation	Top Insulation Attachment	Membrane	Membrane Attachment <a href="#">(Note 12)</a>	MDP (psf)
W-W-1	T7/160 or 15/32P, L24	As required	Min. 0.5-inch INSULATION	Loose laid	OPTIONAL Cover Board	IW (min. 1.5-inch embedment into wood supports) secured max. 48-inch o.c. through sheathing into wood structural supports in rows max. 24-inch o.c.	JM PVC (Min. 60 mil)	Induction welded to weld plates	<b>-37.5 (Lim. 7)</b>
W-W-2	T1/20, L24	As required	Min. 0.5-inch INSULATION	Loose laid	OPTIONAL Cover Board	JM High Load Fasteners and JM TPO Rhino Plates, Trufast TPO IW Plates, or <i>isoweld</i> FI-P-6.8-TPO plates secured at a rate of 1 fastener per 4ft <sup>2</sup>	JM TPO	Induction welded to weld plates	<b>-37.5 (Lim. 7)</b>
W-W-3	T19/32P, L24	As required	Min. 0.5-inch INSULATION	Loose laid	OPTIONAL Cover Board	IW #15 secured at a rate of 1 fastener per 5.33ft <sup>2</sup>	JM PVC	Induction welded to weld plates	<b>-45 (Lim. 7)</b>
W-W-4	T1/20, L24 or 15/32P, L24	As required	Min. 0.5-inch INSULATION	Loose laid	OPTIONAL Cover Board	JM High Load Fasteners and JM TPO Rhino Plates, Trufast TPO IW Plates, or <i>isoweld</i> FI-P-6.8-TPO plates secured at a rate of 1 fastener per 2.67ft <sup>2</sup>	JM PVC	Induction welded to weld plates	<b>-45 (Lim. 7)</b>
W-W-5	T15/32P, L24	As required	Min. 0.25-inch INSULATION	Preliminarily Secured or secured with top layer	OPTIONAL Cover Board	IW (min. 1.5-inch embedment into wood supports) secured max. 24-inch o.c. through sheathing into wood structural supports in rows max. 24-inch o.c.	JM PVC (Min. 60 mil)	Induction welded to Weld plates	<b>-52.5 (Lim. 7)</b>



**APPENDIX C – APPROVED ASSEMBLIES FOR JM PVC SINGLE-PLY MEMBRANES**

**END OF REPORT**