



## TECHNICAL DEPARTMENT

4261 Clove Street, Middleburg, FL 32068 office 904-413-7425 fax 855-218-9140  
 Weathertight Warranty - Technical Support - Machine Training - Installation Training - Estimating Services

### CURRENT UL 580 / 1897 ENGINEERING

<u>Profile</u>	<u>Material</u>	<u>Substrate</u>	<u>ISO</u>	<u>Panel Width</u>	<u>Coil Width</u>	<u>Clip Spacing</u>	<u>UL 580/Uplift Design Pressure</u>	<u>ASTM E 1646 Water Test</u>	<u>ASTM E 1680 Air Infiltration</u>	<u>ASTM E 2140 Submersion Test</u>
SMI 1.5 MS	24 GA	Plywood	NO	16"	20"	24" O.C.	-106.75	PASS	0.01 CFM	PASS
SMI 1.5 MS	24 GA	B-Deck	NO	16"	20"	18" O.C.	-91.75	PASS	0.02 CFM	PASS
SMI 1.5 MS	24 GA	B-Deck	YES	16"	20"	18" O.C.	-129.25	PASS	0.03 CFM	PASS
SMI 1.5 SL 550	24 GA	Plywood	NO	19"	24"	24" O.C.	-129.25	PASS	0.03 CFM	
SMI 1.75 SL	24 GA	Plywood	NO	18"	24"	24" O.C.	-114.25	PASS	0.01 CFM	
SMI 1.75 SL	24 GA	B-Deck	NO	18"	24"	24" O.C.	-76.75	PASS	0.07 CFM	
SMI 1.75 SL	24 GA	B-Deck	YES	18"	24"	24" O.C.	-76.75	PASS	0.04 CFM	
SMI 2.0 MS	24 GA	Plywood	NO	18"	24"	24" O.C.	-84.25	PASS	0.05 CFM	PASS
SMI 2.0 MS	24 GA	B-Deck	NO	18"	24"	24" O.C.	-91.75	PASS	0.01 CFM	PASS
SMI 2.0 MS	24 GA	B-Deck	YES	18"	24"	24" O.C.	-91.75	PASS	0.03 CFM	PASS
SMI 2.0 SCH MS	24 GA	Plywood	NO	18.75"	24"	24" O.C.	-63.5	PASS	0.02 CFM	PASS
SMI 2.0 SCH MS	24 GA	B-Deck	NO	18.75"	24"	24" O.C.	-63.5	PASS	0.03 CFM	PASS
SMI 2.0 SCH MS	24 GA	B-Deck	YES	18.75"	24"	24" O.C.	-71	PASS	0.01 CFM	PASS



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### CURRENT ASTM E 1592 ENGINEERING

<u>Profile</u>	<u>Material</u>	<u>Panel Width</u>	<u>Coil Width</u>	<u>Purlin Span</u>	<u>Design Pressure</u>	<u>FM 4471 Foot Traffic</u>		
SMI 2.0 MS	24 GA	18"	24"	1'	-105	PASS		
				1.5'	-96.56	PASS		
				2'	-88.13	PASS		
				2.5'	-79.69	PASS		
				3'	-71.25	PASS		
				3.5'	-62.81	PASS		
				4'	-54.38	PASS		
				4.5'	-45.94	PASS		
				5'	-37.5	PASS		
							ASTM E 331	ASTM E 283
							<u>Water Penetration</u>	<u>Air Leakage</u>
SMI 1.0 FWP	24 GA	12"	16"	1'	-65	PASS		0.02
				1.5'	-60.84	PASS		0.02
				2'	-56.67	PASS		0.02
				2.5'	-52.5	PASS		0.02
				3'	-48.34	PASS		0.02
				3.5'	-44.17	PASS		0.02
				4'	-40	PASS		0.02



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### **CURRENT TDI & FBC APPROVALS**

<u>Metal Roof System</u>	<u>Report Number</u>	
	<u>TDI</u>	<u>FBC</u>
SMI 1.5 MS 24 Gauge Mechanical Standing Seam Metal Roof Panel Installed Over a Plywood Deck	RC-386	FL18316R
SMI 1.5 MS 24 Gauge Mechanical Standing Seam Metal Roof Panel Installed Over a Steel Deck	RC-395	FL18316R
SMI 1.5 MS 24 Gauge Mechanical Standing Seam Metal Roof Panel Installed Over an Insulated Steel Deck	RC-397	FL18316R
SMI 1.5 SL 550 24 Gauge Snap Lock Standing Seam Metal Roof Panel Installed Over a Plywood Deck	RC-396	FL18316R
SMI 1.75 SL 24 Gauge Snap Lock Standing Seam Metal Roof Panel Installed Over a Plywood Deck	RC-389	FL18316R
SMI 1.75 SL 24 Gauge Snap Lock Standing Seam Metal roof Panel Installed Over a Steel Deck	RC-388	FL18316R
SMI 1.75 SL 24 Gauge Snap Lock Standing Seam Metal Roof Panel Installed Over an Insulated Steel Deck	RC-387	FL18316R
SMI 2.0 MS 24 Gauge Mechanical Standing Seam Metal Roof Panel Installed Over Plywood Deck	RC-384	FL18316R
SMI 2.0 MS Gauge Mechanical Standing Seam Metal Roof Panel Installed Over a Steel Deck	RC-390	FL18316R
SMI 2.0 MS 24 Gauge Mechanical Standing Seam Metal Roof Panel Installed Over an Insulated Steel Deck	RC-383	FL18316R
SMI 2.0 MS 24 Gauge Mechanical Standing Seam Metal Roof Panel Installed Over Steel Purlins	RC-385	