



ROOF SYSTEM ASSESSMENT REPORT DYNAMIC UPLIFT RESISTANCE PER CSA A123.21			
CLIENT:	SEAMAN CORPORATION	TEST DATE:	2019-09-20
DOCUMENT NO.	SMN-MARS-3	PUBLICATION DATE:	2020-02-04
TEST PANEL NO.	SMN-D6	REVISION NO.	1
SYSTEM TYPE:	C-2	REEVALUATION DATE:	2023-01-10

MECHANICALLY ATTACHED ROOFING SYSTEM (MARS) SUMMARY

PERFORMANCE⇒	PASSING PRESSURE	WIND UPLIFT RESISTANCE (with SF of 1.5)
	113 psf (5.41 kPa)	75 psf (3.59 kPa)

COMPONENT	ALLOWABLE PRODUCTS	BY
MEMBRANE⇒	FiberTite (nominal 36 mil), FiberTite-SM (nominal 45 or 60 mil), FiberTite-XT (nominal 50 or 60-mil) or FiberTite XTreme (nominal 60-mil)	Seaman Corporation
ATTACHMENT:	induction welded to FTR-IW isoweld Plates using the isoweld Induction Bonding Tool and isoweld Magnets	
INSULATION, TOP LAYER⇒	Min. 1.5-inch FTR-VALUE A, FTR-VALUE or FTR-VALUE H	Seaman Corporation
	Min. 1.5-inch ACfoam II	Atlas Roofing
	Min. 1.5-inch ISOLEX A	Lexusco 2010 Corp.
	Min. 1.5-inch ENRGY 3 or Min. 1.5-inch H-Shield	Johns Manville Hunter Panels
ATTACHMENT:	16 parts per 4x8 ft board; 1 ft (along board width) x 2 ft (along board length) grid pattern	
	FiberTite Magnum Fasteners with FTR-IW isoweld Plates	Seaman Corporation
INSULATION, BASE LAYER⇒	One or more layer(s), min. 1.5-inch thick base insulation or min. 1.0 pcf IZOLON by FRANSYL or other expanded polystyrene meeting ASTM C578, acceptable to the Authority Having Jurisdiction	various
ATTACHMENT:	loose-laid	

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COMPONENT	ALLOWABLE PRODUCTS	BY
VAPOUR BARRIER⇒	6-mil polyethylene or	various
	VaporTite	Seaman Corporation
ATTACHMENT:	loose-laid or self-adhering	
THERMAL BARRIER⇒	(Optional) any type or thickness acceptable to the Authority Having Jurisdiction	various
ATTACHMENT:	loose-laid, adhered or mechanically attached	
DECK⇒	Minimum 22 ga. type B steel meeting ASTM A653, A792, A1008 or CSSBI 10M standards and having a yield strength of 275 MPa (40 ksi), or alternate steel deck providing the fastener withdrawal resistance noted below.	Various
FASTENER POINT-LOAD⇒	226 lbf (1005 N)	

END OF REPORT