



ROOF SYSTEM ASSESSMENT REPORT DYNAMIC UPLIFT RESISTANCE PER CSA A123.21			
CLIENT:	SEAMAN CORPORATION	TEST DATE:	2019-11-05
DOCUMENT NO.	SMN-MARS-4.1	PUBLICATION DATE:	2021-03-01
TEST PANEL NO.	SMN-D7	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)
	179 psf (8.57 kPa)	119 psf (5.70 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 Min. 1.5-inch ACFoam II Min. 1.5-inch ISOLEX A Min. 1.5-inch ENRGY 3 Min. 1.5-inch H-Shield Min. 0.5-inch DensDeck Prime Min. 0.5-inch DEXcell FA Glass Mat Roof Board or Min. 0.5-inch SECUORCK Gypsum-Fiber Roof Board	Seaman Corporation Atlas Roofing Lexsuco 2010 Corp. Johns Manville Hunter Panels Georgia-Pacific Gypsum National Gypsum United States Gypsum
ATTACHMENT:	24 parts per 4x8 ft board; 1.5 ft (along board width) x 1 ft (along board length) grid pattern	<p>6" 8" 6" 7 spaces @ 12" 6" 24 Fasters / bd.</p>
	FiberTite Magnum Fasteners with FTR-IW isoweld Plates; fasteners shall be of sufficient length for min. 1-inch embedment into the wood deck.	

ROOF SYSTEM ASSESSMENT REPORT, DYNAMIC UPLIFT RESISTANCE PER CSA A123.21

CLIENT:	Seaman Corporation	PUBLICATION DATE:	2021-03-01
DOCUMENT NO.	SMN-MARS-4.1	REVISION NO.	1
TEST PANEL NO.	SMN-D7	REEVALUATION DATE:	2023-01-10



NEMO|etc.

Page 2 of 2

COMPONENT	ALLOWABLE PRODUCTS	BY
INSULATION, BASE LAYER⇒	One or more layer(s), min. 1.5-inch thick polyisocyanurate 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	
VAPOUR BARRIER⇒	6-mil polyethylene or VaporTite	various 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⇒	Min. 1.5-inch thick, dimensional lumber decking of spruce-pine-fir species acceptable to the Authority Having Jurisdiction	Various
FASTENER POINT-LOAD⇒	238 lbf (1059 N) For glue-laminated dimensional lumber decking, care shall be taken to ensure membrane fasteners engage the centerline of a solid wood member. If concern exists as to fastener engagement at a glue-joint, NEMO recommends field withdrawal testing to validate minimum fastener point-load performance.	

NEMO ETC CREDENTIALS

TYPE	ENTITY	REFERENCE
ISO/IEC 17025 Accreditation	International Accreditation Service (IAS)	TL-689
TAS 301 Certification	Miami-Dade	17-1214.02
Third Party Test Data Program	UL, LLC	DA2862
Test Lab Listing	Roofing Contractors Association of British Columbia	www.rcabc.org

REPORT HISTORY

DATE	EVENT	NOTES	AUTHORIZED BY:
2021-02-26	FINAL issued	None	RN
2021-03-01	REVISION 1 issued	Add gypsum-based coverboard options based on criticality data on file	RN

This report and the data contained therein is the sole property of NEMO|etc. and the named client. This report shall not be reproduced outside NEMO|etc. except by the named client without written permission by the named client, in which case the report shall be reproduced in its entirety.

END OF REPORT