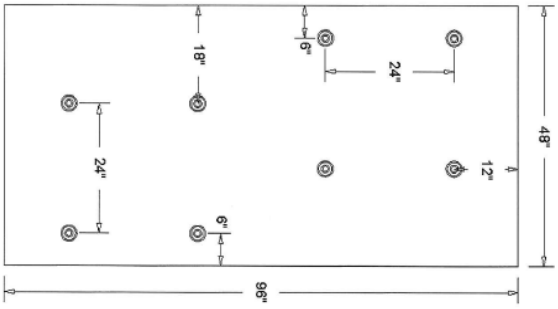
NEMO|etc.
353 Christian Street, Unit #13
Oxford, CT 06478
(203) 262-9245

ENGINEER EVALUATE TEST CONSULT

ROOF SYSTEM ASSESSMENT REPORT DYNAMIC UPLIFT RESISTANCE PER CSA A123.21			
CLIENT:	IKO Industries, LTD.	TEST DATE:	2018-04-18 & 2020-11-18
CLIENT REFERENCE NO.:	MARS015	PUBLICATION DATE:	2024-01-12
DOCUMENT NO.	IKO-MARS-1.1	REVISION NO.	2
TEST PANEL NO.	SFS-D3 + IKO-D2	REEVALUATION DATE:	2027-01-11
SYSTEM TYPE:	C-2		

MECHANICALLY ATTACHED ROOFING SYSTEM (MARS) SUMMARY		
PERFORMANCE ⇨	PASSING PRESSURE	WIND UPLIFT RESISTANCE (RESISTANCE FACTOR 0.65)
	60 psf (2.87 kPa)	40 psf (1.91 kPa)

COMPONENT	ALLOWABLE PRODUCTS	
	PRODUCT	ATTACHMENT
MEMBRANE ⇨	Innovi™ TPO, min. nominal 45-mil	Induction welded
INSULATION ⇨	One or more layer(s), min. 1.5-inch thick IKOTherm, IKOTherm III, IKOTherm 25 psi, IKOTherm III 25 psi, IKOTherm Tapered, IKOTherm III Tapered or IKOTherm 25 psi Tapered	Topmost layer mechanically attached: InnoviFast Heavy Duty (HD) Fastener with InnoviWeld TPO Induction Plate or SFS Group USA "Dekfast DF-#15-PH3" with "isoweld F1-P-6.8-TPO Plate" 2x2 ft grid pattern, staggered [~4 ft² (0.37 m²) per fastener] 
VAPOUR BARRIER ⇨	6-mil polyethylene or	Loose laid
	IKO MVP or IKO MVP Sand	Self-adhering
PRIMER ⇨	(When using IKO MVP or IKO MVP Sand) IKO S.A.M. Adhesive	
THERMAL BARRIER (OPTIONAL) ⇨	Any type or thickness acceptable to the Authority Having Jurisdiction	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.	
FASTENER POINT-LOAD ⇨	240 lbf (1,068 N)	

NEMO|etc.®

NEMO ETC CREDENTIALS

TYPE	ENTITY	REFERENCE
ISO/IEC 17025 Accreditation	International Accreditation Service (IAS)	TL-689
TAS 301 Certification	Miami-Dade	21-0409.01
Third Party Test Data Program	UL, LLC	DA2862
Test Lab Listing	Roofing Contractors Association of British Columbia	RCABC Labs

REPORT HISTORY

DATE	EVENT	NOTES	AUTHORIZED BY:
2021-06-21	FINAL	Combine SFS-D3 with IKO-D2 to create induction weld assembly with vapor barrier	RN
2021-06-25	R1	Add Client Reference No., correct typos, add self-adhering vapor barrier options, add “IKO approved” for thermal barrier	RN
2024-01-12	R2	Re-examination / renewal	RN

END OF REPORT