



NEMO|etc.

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ENGINEER

EVALUATE

TEST

CONSULT

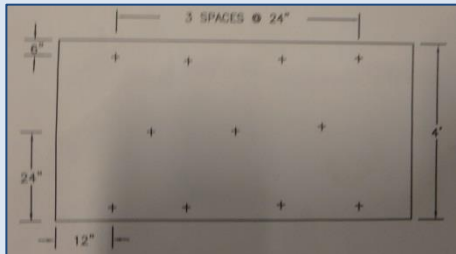
CERTIFY

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

CLIENT:	The Garland Company	TEST DATE:	2018-01-11
DOCUMENT NO.	GRL-PARS-1.1	PUBLICATION DATE:	2018-02-27
TEST PANEL NO.	GRL-D1.1	REVISION NO.	R0
SYSTEM TYPE:	B	REEVALUATION DATE:	2021-02-28

PARTIALLY ADHERED ROOFING SYSTEM (PARS) SUMMARY

PERFORMANCE⇒	PASSING PRESSURE	WIND UPLIFT RESISTANCE (with SF of 1.5)
	3.3 kPa (69 psf)	2.2 kPa (46 psf)

COMPONENT	ALLOWABLE PRODUCTS	BY
CAP PLY⇒	StressPly, StressPly Mineral, StressPly FR Mineral, StressPly E, StressPly E Mineral, StressPly E FR Mineral, StressPly EUV, StressPly EUV Mineral, StressPly EUV FR Mineral, StressPly Plus, StressPly Plus Mineral, StressPly Plus FR Mineral, VersiPly 60, VersiPly 80 or VersiPly Mineral, BiFlex Cap, BiFlex Cap Mineral, OptiMax or OptiMax FR Mineral	Garland
ATTACHMENT:	hot asphalt at 25-30 lbs/square	
PLY⇒	One or two plies HPR Glasfelt, HPR Premium Glasfelt or HPR Polyscrim Plus	Garland
ATTACHMENT:	hot asphalt at 25-30 lbs/square	
BASE PLY⇒	HPR Glasfelt, HPR Premium Glasfelt or HPR Polyscrim Plus	Garland
ATTACHMENT:	hot asphalt at 25-30 lbs/square	
INSULATION, TOP LAYER⇒	Min. 0.5" Structodek High Density Fiberboard Roof Insulation	Blue Ridge
ATTACHMENT:	hot asphalt	25-30 lbs/square generic
INSULATION, BASE LAYER⇒	One or more layers; top layer min. 2" thick	
	ACFoam II	Atlas Roofing
	H-Shield	Hunter Panels
	ENRGY 3	Johns Manville
ATTACHMENT:	1 per 2.9 ft ² (11 parts per 4x8 ft board)	
		Dekfast #14 with Dekfast Galvalume Steel Hex Plate SFS Intec
		OMG Roofgrip #14 with OMG 3 in. Galvalume Steel Plate or OMG AccuTrac Plate OMG
		TRUFAST #14 HD with TRUFAST 3" Metal Insulation Plate Altenloh, Brinck & Co.

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COMPONENT	ALLOWABLE PRODUCTS	BY
VAPOUR BARRIER⇒	Grip-Rite Titan™ LD or other kraft-paper or polyethylene film	Various
ATTACHMENT:	loose-laid	
THERMAL BARRIER⇒	(Optional) Thermal barrier of any specified type or thickness	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 40 ksi (275 MPa), or alternate steel deck providing the fastener withdrawal resistance noted below	Various
FASTENER POINT-LOAD⇒	885 N (199 lbf)	

END OF REPORT