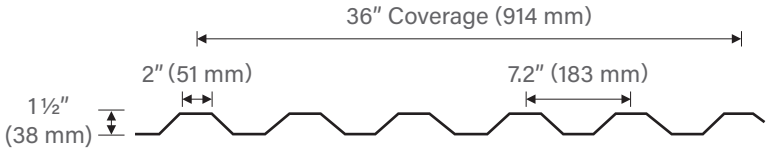
Berridge Deep-Deck Panel Load Chart

OPEN FRAMING



Deep Deck Section Properties Based on 24 Gauge 40 K.S.I.			
	I_x (in^4/ft)	M_A (Inch-kip/ft)	S_X (in^3/ft)
Top in Compression	0.1073	2.92	0.1218
Bottom in Compression	0.1073	2.92	0.1218

NOTES:

1) Values based on 2001 edition of AISI.

Open Framing on 16 ga Steel Support (Galvalume Substrate)						
Gauge of Panel	Detail	Spacing (in)	Fastener	Fastener Quantity	Allowable (psf)	Ultimate (psf)
24	A	30	1/4-14 HWH	1	182	364
24	A	36	1/4-14 HWH	1	165.60	331.20
24	A	42	1/4-14 HWH	1	149.20	298.40
24	A	48	1/4-14 HWH	1	132.80	265.60
24	A	54	1/4-14 HWH	1	116.40	232.80
24	A	60	1/4-14 HWH	1	100	200
24	B	60	1/4-14 HWH	2	110	220
22	B	60	1/4-14 HWH	2	160	320
(Aluminum Substrate)						
Gauge of Panel	Detail	Spacing (in)	Fastener	Fastener Quantity	Allowable (psf)	Ultimate (psf)
0.032	B	18	#12-14	2	119.65	239.30

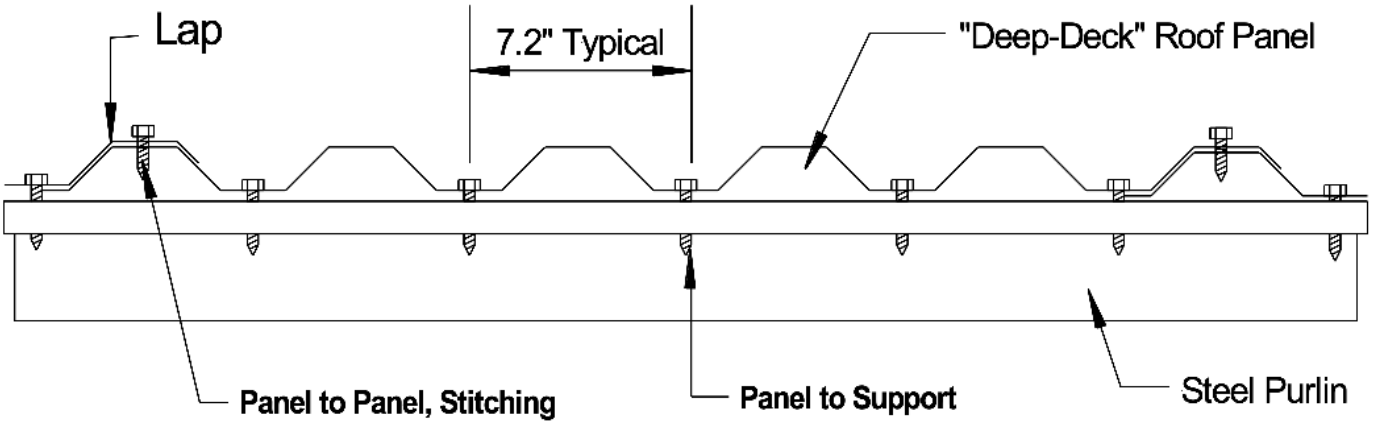
NOTES:

1) All test results determined through ASTM E1592 testing standards.
2) **All** fasteners to be longlife fasteners with neoprene washers.
3) Stitch fasten panels together using (1) 1/4-14X7/8" fastener @ 18" on center.

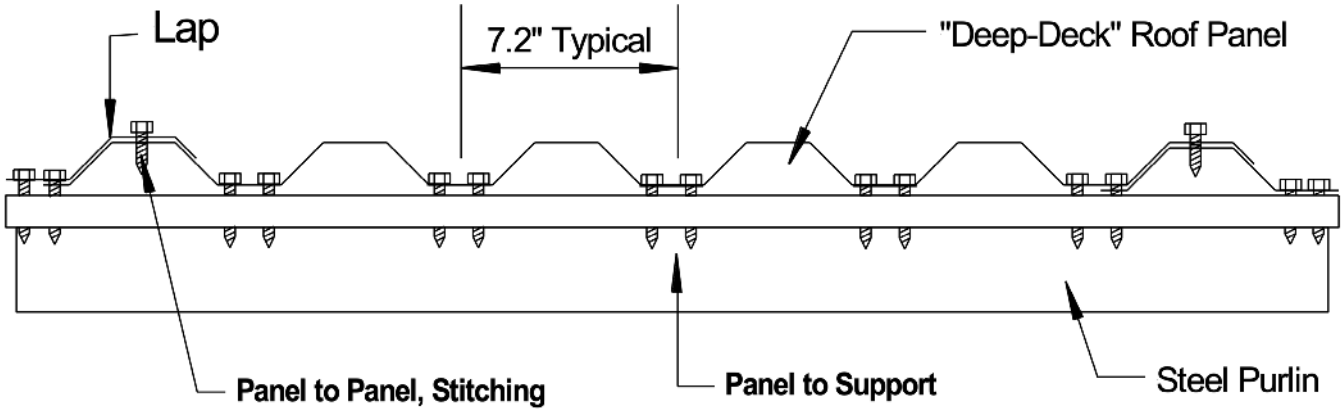
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Detail A



Detail B



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