

$M_{Rd} = 5727 \text{ lb-in (0.647 kNm)}$

Maximal load for 1 span beam:

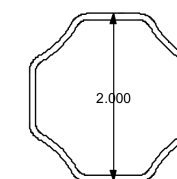
Span		Uniform load			Point load	
inch	mm	pli	plf	kN/m	lb	kN
32	812.8	44.74	536.91	7.84	715.88	3.18
36	914.4	35.35	424.22	6.19	636.33	2.83
42	1066.8	25.97	311.67	4.55	545.43	2.43
48	1219.2	19.89	238.63	3.48	477.25	2.12

Maximal load for multiple (3) span beam:

Span		Uniform load			Point load	
inch	mm	pli	plf	kN/m	lb	kN
32	812.8	55.93	671.13	9.79	1022.68	4.55
36	914.4	44.19	530.28	7.74	909.05	4.04
42	1066.8	32.47	389.59	5.69	779.19	3.47
48	1219.2	24.86	298.28	4.35	681.79	3.03

LOAD CALC FOR PIPE ONLY

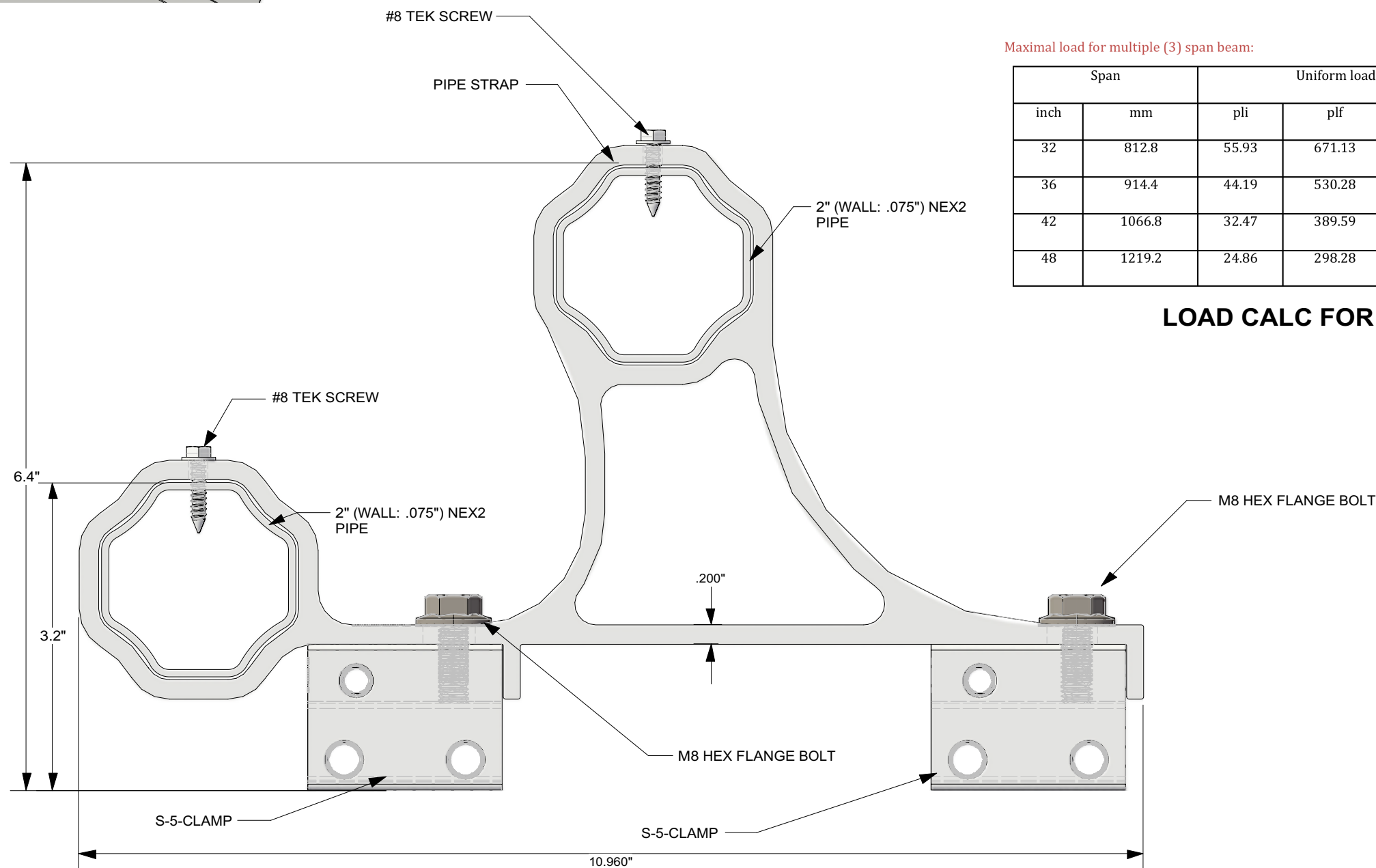
NEX2 14GA (Aluminium)



Engineering properties:

Area of section:	0.514 in ² (332.257 mm ²)
Moment of Inertia I _y = I _z :	0.237 in ⁴ (98639.4 mm ⁴)
Section Modulus W _y = W _z :	0.237 in ³ (3884.43 mm ³)

M_{Rd} - design resistance for bending about one principal axis of a cross-section



FOR STANDING SEAM SPECIFIC MECHANICAL LOAD TEST INFORMATION AND CLAMP INSTALLATION INFORMATION PLEASE VISIT: WWW.S-5.COM

MATERIAL: 6005A T61		METAL ROOF INNOVATIONS, LTD. 8655 TABLE BUTTE RD COLORADO SPRINGS, CO 80908 719-495-0518 719-495-0045 (FAX)	
EST ASSEMBLY WEIGHT :		TITLE XGard 2.0	DATE 08/12/2013
SUPPLIED HARDWARE:	DRAWING NO. NP019-A-0-A CCD	DRAWN BY DMMH	DATE 08/12/2013
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OTHER:			