

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

Maximal load for 1 span beam:

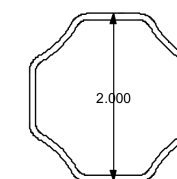
Span		Uniform load			Point load	
inch	mm	pli	plf	kN/m	lb	kN
32	812.8	44.74	536.91	7.84	715.88	3.18
36	914.4	35.35	424.22	6.19	636.33	2.83
42	1066.8	25.97	311.67	4.55	545.43	2.43
48	1219.2	19.89	238.63	3.48	477.25	2.12

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**

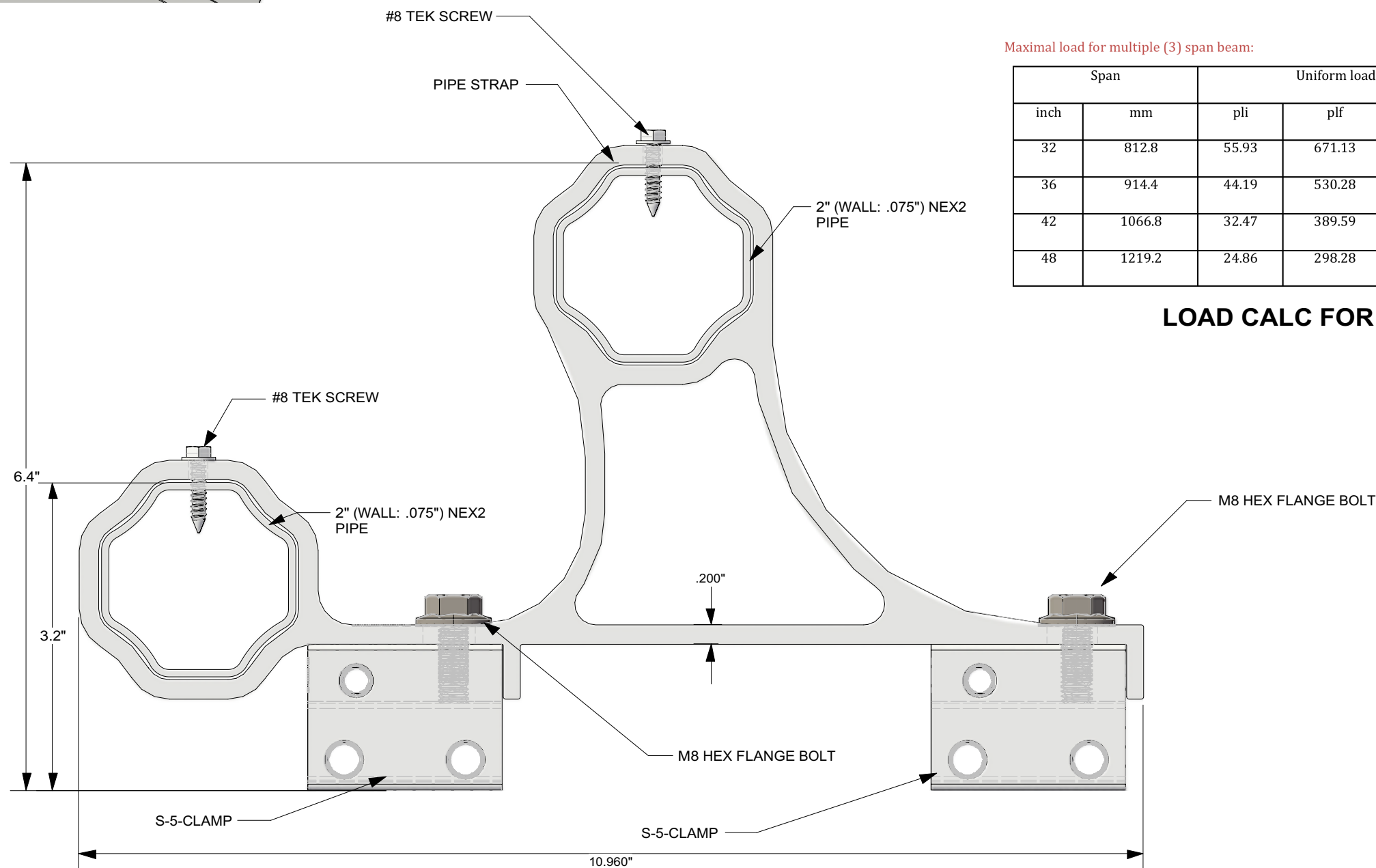
NEX2 14GA (Aluminium)



Engineering properties:

Area of section:	0.514 in <sup>2</sup> (332.257 mm <sup>2</sup> )
Moment of Inertia I <sub>y</sub> = I <sub>z</sub> :	0.237 in <sup>4</sup> (98639.4 mm <sup>4</sup> )
Section Modulus W <sub>y</sub> = W <sub>z</sub> :	0.237 in <sup>3</sup> (3884.43 mm <sup>3</sup> )

M<sub>Rd</sub> - 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: <b>6005A T61</b>		METAL ROOF INNOVATIONS, LTD. 8655 TABLE BUTTE RD COLORADO SPRINGS, CO 80908 719-495-0518 719-495-0045 (FAX)	
EST ASSEMBLY WEIGHT :		TITLE <b>XGard 2.0</b>	
SUPPLIED HARDWARE:	DRAWING NO. NP019-A-0-A CCD	DRAWN BY DMMH	DATE 08/12/2013
SCALE:	<small>S-5!® PRODUCTS ARE PROTECTED BY MULTIPLE U.S. PATENTS INCLUDING 5,228,248, 5,983,588 AND 6,164,033 (OTHERS ISSUED AND PENDING). EUROPEAN PATENTS ARE ALSO APPLIED FOR AND PENDING UNDER THE PATENT COOPERATION TREATY WITH DIVISIONAL FILING RIGHTS RETAINED. METAL ROOF INNOVATIONS, LTD. (LICENSOR OF S-5!® TECHNOLOGY) AGGRESSIVELY PROSECUTES PATENT INFRINGEMENT.</small>		
OTHER:			