

**FABRAL
GRAVITY LOAD TABLE
Single Skin Application**

FABRAL INFORMATION

Load table prepared by Bill Croucher P.E.
Load table prepared on October 7, 2005

CUSTOMER INFORMATION

Requested by
Company
Project
Location

PANEL DESCRIPTION

Profile 16" Stand'N Seam
Material Steel
Gauge or thickness 24
Yield (ksi) or alloy temper 40

SECTION PROPERTIES	Positive Moment	Negative Moment
I.str	0.2079 in ⁴	0.1952 in ⁴
I.dfl	0.2254 in ⁴	0.2056 in ⁴
S	0.0993 in ³	0.1070 in ³
Design stress	24.0 ksi	24.0 ksi
MOE	29500 ksi	

16" Stand'N Seam**Uniform POSITIVE Load in Pounds per Square Foot**

GAGE	SPAN		1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
24	1	Stress	1589	706	397	254	177	130	99	78	64	53	44	38	32	28	25
		L/ 180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2	Stress	1712	761	428	274	190	140	107	85	68	57	48	41	35	30	27
		L/ 180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3	Stress	2140	951	535	342	238	175	134	106	86	71	59	51	44	38	33
		L/ 180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES for GRAVITY ROOF load tables:

- Section properties and load tables are in conformance with 1986 AISI & 1986 Aluminum Association specifications.
- "Stress" denotes allowable load based on bending stress.
- "L/ 180 " denotes the load that will produce a deflection of L/ 180 . If NA then stress load controls.