



ALLOWABLE UNIFORM LOAD CAPACITY (PSF) TULSA 23/32 EXT. B-B MDO 2-S GROUP 1 PANELS

The attached information is based upon recognized industry standards, testing and quality control procedures. The information is provided for information purposes. For project specific application, a design professional should be consulted.

NOMINAL PANEL THICKNESS	SPAN CONDITION	LOAD GOVERNED BY	SPAN - Center-to-Center of Supports (in)											
			STRENGTH AXIS PERPENDICULAR TO SUPPORTS											
			4	8	12	16	19.2	24	30	32	36	40	48	60
23/32	SINGLE SPAN	L/360	57295	3156	736	276	151	73	35	29	20	14	8	4
		L/240	85942	4735	1104	415	227	110	53	43	30	21	12	6
		L/180	114590	6313	1472	553	303	146	71	58	40	29	16	8
		Bending	3870	967	430	241	167	107	68	60	47	38	26	17
		Shear	3360	1292	800	579	474	373	294	275	243	218	180	143
		Allowable	3360	967	430	241	167	107	68	60	47	38	26	17
	DOUBLE SPAN	L/360	138016	7604	1773	667	364	176	86	70	48	35	19	
		L/240	207024	11406	2659	1000	547	265	129	105	73	52	29	
		L/180	276032	15209	3546	1334	729	353	173	141	97	70	39	
		Bending	3870	967	430	241	167	107	68	60	47	38	26	
		Shear	2688	1033	640	463	379	298	235	220	194	174	144	
		Allowable	2688	967	430	241	167	107	68	60	47	38	26	
	TRIPLE SPAN	L/360	108361	5970	1392	523	286	138	68	55				
		L/240	162541	8955	2088	785	429	208	102	83				
		L/180	216722	11941	2784	1047	573	277	136	110				
		Bending	4837	1209	537	302	209	134	86	75				
		Shear	2800	1076	666	482	395	311	245	229				
		Allowable	2800	1076	537	302	209	134	86	75				

Notes:

- 1 "Allowable" represents the governing shear and bending pressures without consideration of deflection.
- 2 Above table is based upon the following minimum allowable properties:
 - Bending Stiffness, EI (lbf-in³/ft): 320000
 - Bending Strength, FbS (lbf-in/ft): 645
 - Panel Shear in Plane, Fs(Ib/Q) (lbf/ft): 350
- 3 Plywood meets the minimum performance criteria in accordance with the Voluntary Product Standard PS 1-09, Structural Plywood.
- 4 Normal duration of load and dry-conditions utilized, see National Design Specification (NDS) for appropriate adjustment factors for other conditions.
- 5 Pressure nor fire-retardant treatment has been considered in the development of the above loads.
- 6 Values based on a minimum panel width of 24 inches. See NDS for appropriate adjustment factor for narrower members.
- 7 2" nominal framing members are assumed for support spacings less than 48" center-to-center. 4" nominal framing members are assumed for support spacings of 48" or greater.