

## TABLES FOR COMBINED TRANSVERSE AND AXIAL LOADS<sup>1,2,3,4</sup>

### ALLOWABLE UNIFORM AXIAL LOADS (PLF) FROM FLOOR OR ROOF FRAMING MEMBERS SPACED AT 24" O.C.

7-7/8" thick wall panels

#### 8' PANEL HEIGHT

PROFILE BOARD SPACING <sup>5</sup>	TRANSVERSE WIND LOAD									
	5 psf	10 psf	15 psf	20 psf	25 psf	30 psf	35 psf	40 psf	45 psf	50 psf
4'-3 1/2"	1,946	1,885	1,825	1,764	1,704	1,643	1,583	1,523	1,462	1,402
8'-3 1/2"	1,616	1,543	1,471	1,398	1,325	1,252	1,179	1,107	1,034	961
EXCEEDS 8'-3 1/2"	1,241	1,132	1,024	915	807	698	590	481	373	265
	H/720		H/600	H/360	H/240			H/120		

#### PANEL HEIGHTS EXCEEDING 8' (PANEL WIDTH 8'-0") WITH NO INTERMEDIATE PROFILE BOARDS

HEIGHT	TRANSVERSE WIND LOAD									
	5 psf	10 psf	15 psf	20 psf	25 psf	30 psf	35 psf	40 psf	45 psf	50 psf
10'	2,040	1,949	1,857	1,766	1,674	1,583	1,492	1,400	1,309	1,217
12'	2,086	2,006	1,926	1,847	1,767	1,687	1,608	1,528	1,448	1,369
14'	2,131	1,975	1,818	1,662	1,506	1,349	1,193	1,036	880	724
16'	2,177	1,988	1,799	1,610	1,421	1,232	1,044	855	666	477
18'	2,222	2,001	1,779	1,558	1,337	1,115	894	673	452	230
20'	2,267	2,014	1,760	1,506	1,252	999	745	491	237	-16
22'	2,313	2,027	1,740	1,454	1,168	882	596	309	23	
24'	2,358	2,040	1,721	1,402	1,084	765	446	127		
	H/720	H/600	H/360	H/240		H/120				

#### PANEL HEIGHTS EXCEEDING 8' (PANEL WIDTH 8'-0") WITH INTERMEDIATE PROFILE BOARD<sup>5</sup>

HEIGHT	TRANSVERSE WIND LOAD									
	5 psf	10 psf	15 psf	20 psf	25 psf	30 psf	35 psf	40 psf	45 psf	50 psf
10'	2,355	2,270	2,184	2,098	2,013	1,927	1,841	1,756	1,670	1,585
12'	2,356	2,237	2,118	1,999	1,880	1,761	1,642	1,523	1,404	1,285
14'	2,356	2,204	2,052	1,899	1,747	1,595	1,443	1,291	1,138	986
16'	2,356	2,171	1,985	1,800	1,614	1,429	1,243	1,058	872	687
18'	2,357	2,138	1,919	1,701	1,482	1,263	1,044	825	607	388
20'	2,357	2,105	1,853	1,601	1,349	1,097	845	593	341	89
22'	2,358	2,072	1,787	1,502	1,216	931	645	360	75	
24'	2,358	2,040	1,721	1,402	1,084	765	446	127		
	H/720	H/600	H/360	H/240		H/120				

<sup>1</sup> Bearing area of framing members must be equal to or greater than 11.8 in.<sup>2</sup>

<sup>2</sup> All heights shown are simple span.

<sup>3</sup> No increase is permitted to the tabulated values for wind or seismic loading conditions.

<sup>4</sup> Loading shown is for panels with no openings. Openings in panels must be engineered.

<sup>5</sup> Profile boards are 3-1/2" wide x 7" deep Timberstrand PSL oriented vertically. For panel heights greater than 8', intermediate profile board is centered between panel edges.