

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

### ALLOWABLE UNIFORM AXIAL LOADS (PLF) FROM FLOOR OR ROOF FRAMING MEMBERS AT 12" 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"	3,760	3,643	3,527	3,410	3,293	3,176	3,060	2,943	2,826	2,709
8'-3 1/2"	2,956	2,823	2,690	2,556	2,423	2,290	2,157	2,024	1,891	1,758
EXCEEDS 8'-3 1/2"	2,065	1,884	1,704	1,523	1,343	1,162	982	801	621	440
	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'	3,692	3,551	3,411	3,271	3,130	2,990	2,850	2,709	2,569	2,429
12'	3,501	3,335	3,170	3,004	2,838	2,672	2,506	2,340	2,175	2,009
14'	3,311	3,119	2,928	2,737	2,546	2,354	2,163	1,972	1,780	1,589
16'	3,120	2,903	2,687	2,470	2,253	2,036	1,820	1,603	1,386	1,169
18'	2,930	2,687	2,445	2,203	1,961	1,718	1,476	1,234	992	749
20'	2,739	2,472	2,204	1,936	1,668	1,401	1,133	865	597	330
22'	2,549	2,256	1,962	1,669	1,376	1,083	790	496	203	
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'	4,466	4,333	4,201	4,068	3,936	3,803	3,671	3,538	3,406	3,273
12'	4,165	4,006	3,847	3,688	3,528	3,369	3,210	3,051	2,892	2,733
14'	3,864	3,678	3,492	3,307	3,121	2,935	2,749	2,564	2,378	2,192
16'	3,563	3,350	3,138	2,926	2,713	2,501	2,289	2,076	1,864	1,652
18'	3,262	3,023	2,784	2,545	2,306	2,067	1,828	1,589	1,350	1,111
20'	2,960	2,695	2,429	2,164	1,898	1,633	1,367	1,102	836	571
22'	2,659	2,367	2,075	1,783	1,491	1,199	907	615	323	31
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.