

## Transverse Load Chart 5: Premier SIPs Type I (I-Joist) Transverse Load Chart (psf)

Panel Core Thickness	Deflection	Panel Span (ft.)									
		4'	8'	10'	12'	14'	16'	18'	20'	22'	24'
7 1/4"	L/360	132	136	93	60	48	40	29	21	NA	NA
	L/240	318*	148*	107*	91	70	54	42	31		
	L/180	318*	148*	107*	92*	85	54	48	40		
9 1/4"	L/360	197	164*	124*	72	66	61	48	34	29	24
	L/240	318*	164*	124*	107*	96*	84*	70	49	43	36
	L/180	318*	164*	124*	107*	96*	84*	76*	65	56	47
11 1/4"	L/360	258	143*	103*	86	83	77*	61	42	37	31
	L/240	318*	143*	103*	93*	85*	77*	68*	59*	54*	47
	L/180	318*	143*	103*	93*	85*	77*	68*	59*	54*	49*

\* indicates ultimate load divided by 3 for the design capacity.

4' span is a minimum two span condition.

Panels require a minimum of 1-1/2" bearing.

I-Joist splines are spaced 4' o.c.

Floor panels should have a 3/4" minimum top skin or a 7/16" top skin overlaid with 7/16" finish flooring perpendicular to the panels.

More information on this chart can be found in Technical Bulletin #13 ([www.pbssips.com](http://www.pbssips.com)).

Refer to Technical Bulletin #21 for floor applications ([www.pbssips.com](http://www.pbssips.com)).

Maximum Floor Span      Maximum Roof Span



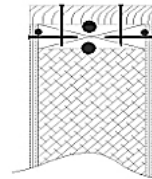
## Load Chart 6

Point Load Design Values on Premier Wall SIPs

	1 1/2" min. bearing width	3" min. bearing width
Standard Detail	2040 lbs.	2450 lbs.
Additional Cap Plate	4030 lbs.	4678 lbs.

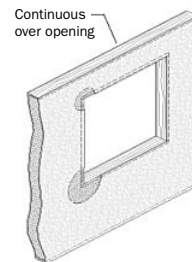
More information on this chart can be found in PBS Technical Bulletin #2 ([www.pbssips.com](http://www.pbssips.com)).

Refer to PBS Detail-010 for cap plate detail ([www.pbssips.com](http://www.pbssips.com)).



## Load Chart 7: Allowable Header Loads (plf) Condition 1—Panel is Continuous Over Opening (No Splines)

Header Depth	Deflection	Header Span (ft.)			
		4'	6'	8'	10'
12"	L/480	740*	385*	229*	142*
	L/360	740*	385*	229*	142*
	L/240	740*	385*	229*	142*
18"	L/480	798*	574*	385*	311*
	L/360	798*	574*	385*	311*
	L/240	798*	574*	385*	311*
24"	L/480	886*	629*	429*	361*
	L/360	886*	629*	429*	361*
	L/240	886*	629*	429*	361*



\* indicates ultimate load divided by 3 for the design capacity.

In all cases where a concentrated load is placed over on opening or the design loads exceed the capacity of a panel header, Premier Insul-Beam II should be used if possible or an engineered header assembly is required.

More information on this chart can be found in Technical Bulletin #10 ([www.pbssips.com](http://www.pbssips.com)).