

## PREMIER PANEL USED AS HEADERS

When erecting structures that utilize Premier Panels for the wall assemblies, several options are available to the contractor when a window, door or other opening requires a load to be carried over the opening. Typically, a situation of this type requires a header. Premier Panels allow the contractor several options that include, Premier's Insulbeam II, using the panel as a header, or the use of conventional materials for the header. Premier' Insulbeam II and the use of the panel as a header are best suited for panel applications since both provide insulation in the header area.

In any situation where a header is used, the load carrying capacity of the header assembly must be established and determined acceptable for the intended application. The following charts provide the necessary design information required for a designer, engineer or contractor to determine whether a panel can be used as a header:

Condition #1 - Panel is continuous over the opening - No Splines				
HEADER SPAN	DEFLECTION	HEADER DEPTH		
		12" (plf)	18" (plf)	24" (plf)
4'	L/480	740*	798*	886*
	L/360	740*	798*	886*
	L/240	740*	798*	886*
6'	L/480	385*	574*	629*
	L/360	385*	574*	629*
	L/240	385*	574*	629*
8'	L/480	229*	385*	429*
	L/360	229*	385*	429*
	L/240	229*	385*	429*
10'	L/480	142*	311*	361*
	L/360	142*	311*	361*
	L/240	142*	311*	361*

\* Ultimate failure divided by a safety factor of three (3).

Condition #2 - Panel is not continuous over the opening - Splined				
HEADER SPAN	DEFLECTION	HEADER DEPTH		
		12" (plf)	18" (plf)	24" (plf)
4'	L/480	345	705	698
	L/360	450	750*	895*
	L/240	630	750*	895*
6'	L/480	243	388	582*
	L/360	295	482*	582*
	L/240	382	482*	582*
8'	L/480	156	254	368*
	L/360	190	302*	368*
	L/240	236*	302*	368*
10'	L/480	99	235	350*
	L/360	125	281*	350*
	L/240	153*	281*	350*

*\* Ultimate failure divided by a safety factor of three (3).*

In cases where a concentrated load is placed over an opening or the design loads exceed the capacity of the panel header, Premiers Insulbeam II should be used. If these header options do not work, other engineered header assemblies will need to be considered.