

## GUIDE LINES FOR LOADING SPECIFICATIONS

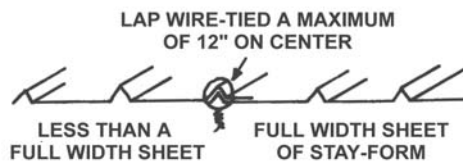
### Support Spacing (Running Perpendicular to Stay-Form Ribs)

SUPPORT SPACING	30" ON CENTER		24" ON CENTER		16" ON CENTER	
	#66	#77	#66	#77	#66	#77
Stay-Form Type	#66	#77	#66	#77	#66	#77
Lateral Loading (psf)	391	460	612	720	1360	1600
Liquid Head (feet)	2.6	3.1	4.1	4.8	9.1	10.7
Pour Rate (feet / hour)	1.3	1.7	2.6	3.2	6.1	10.7
Maximum Deflection (inches)	1.42	1.42	0.92	0.92	0.43	0.43

THE ABOVE LOADING SPECIFICATIONS ARE BASED ON THE FOLLOWING CONDITIONS:

- Optimum density of wet concrete should be @ 150 lbs./ ft.<sup>3</sup> and 50°F temperature.
- Concrete discharge nozzle at no more than 2 feet above the pour surface.
- Each rib saddle-tied at each support with 16 Ga. tie-wire in "figure 8" configuration.
- End laps require at least 2" of Stay-Form over lapping each other. Laps should occur over a support with both adjoining sheets secured with wire ties at the lap as well as over and around the support.
- Side Laps require outside rib of each adjoining sheet be nested into the other and wire-tied at a maximum of 12" on center.
- Place Stay-Form with ribs facing away from supports and projecting toward and into pour.
- Concrete to be prepared with a 3" to 6" slump. Higher slump rates can be used but may result in some grout flow through the Stay-Form. Pour rates listed in the table above are without additives or retarders.
- The data above is extrapolated from preliminary physical testing with 100% safety factor applied.
- When side lapping sheets of Stay-Form, which may include less than full sheet widths, the Stay-Form is cut to allow side lapping of the ribs and is then wire-tied maintaining a maximum distance between ties of 12" on centers between supports if at all possible. (see Side Lap Detail below)

- The loading guidelines listed above are based on a continuous span configuration.
- CAUTION: When consolidating concrete, keep vibrator at least 4" away from Stay-Form. Be sure not to allow vibrator to come into physical contact with Stay-Form. When Stay-Form is used with conventional sheathing on opposite side for wall forming, use external form vibrator on conventional liner, if possible, for compaction. Otherwise, hand compact with grating tamper.
- If Stay-Form is applied on wooden supports, fasten Stay-Form to supports with 14 ga. circular crown staples straddling each rib crossing each support driven deep enough to clinch the rib but not deep enough to deform the rib. Use two staples for each rib over an end lap and at the end supports.



SIDE LAP DETAIL

