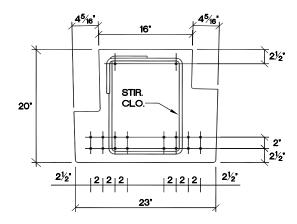
Safe Load Table

UNIFORMLY DISTRIBUTED SUPERIMPOSED SERVICE LOAD IN KLF

			Span Length (ft)							
# strand	Strand Area	φMn (k-ft)	16	18	20	22	24	26	28	30
16	2.448	573.5	8.12	7.19	6.44	5.42	4.50	3.77	3.20	2.74
14	2.142	527.4	8.20	7.25	6.03	4.92	4.07	3.42	2.89	2.47
12	1.836	476.6	8.30	6.79	5.43	4.42	3.65	3.06	2.58	2.20
10	1.530	420.5	7.74	6.04	4.82	3.92	3.23	2.70	2.27	1.93
8	1.224	359.0	6.73	5.26	4.20	3.41	2.81	2.34	1.96	1.66
6	0.918	279.2	5.17	4.03	3.21	2.60	2.14	1.78	1.50	1.27

Beam Shear Capacity Limited by #4 stirrups @ 6" O.C.



 $A = 362.48 \text{ in}^2$ $b_w = 15.375 \text{ in}$ $l_g = 11115 \text{ in}^4$ $y_b = 8.629 \text{ in}$

NOTES:

- 1) Concrete Strengths: f'_{ci} = 3500 psi, f'_{c} = 9000 psi.
- 2) Strand: 270 ksi, Low Relaxtion, 1/2" Diameter.
- Tabulated loads are based on U=1.2D+1.6L and with all load superimposed on the section considered as live load.
- 4) Stresses at release require top reinforcement in most cases.
- Beam sizes can have either 8", 10", 12" or 16" ledges which are covered by the load table.
- 6) Section properties shown are based on 12" ledges both sides.
- Values in shaded area are controlled by limitations of steel shear reinforcing.
- Tabulated loads do not account for torsional loading of beam which may require more in-depth analysis.
- For conditions not covered on this load table contact,
 Molin Concrete Products, Engineering Division.
- Design is based on ACI Standard, "Building Code Requirements for Reinforced Concrete (ACI) 318".

