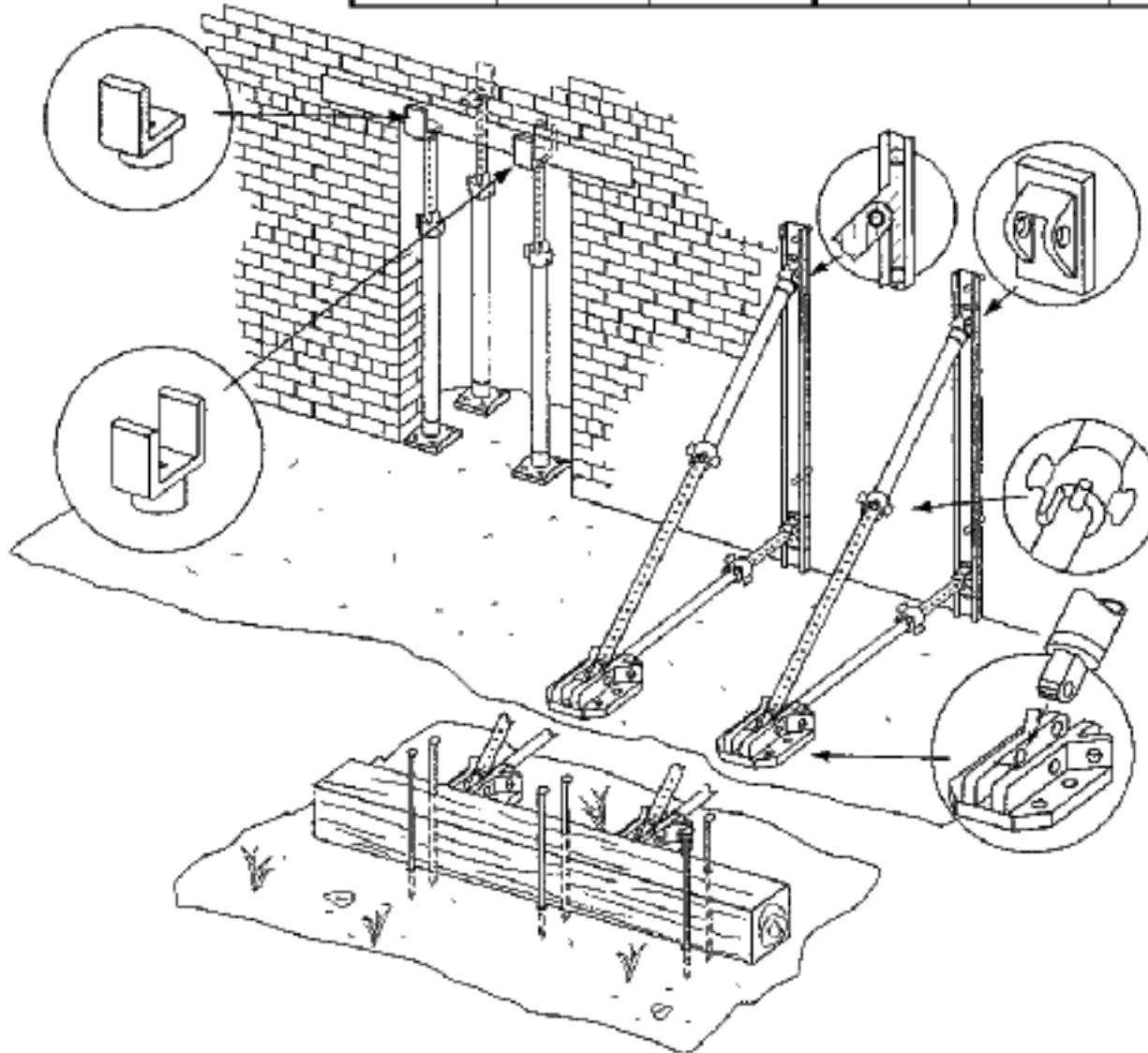


Allowable Lateral Force			Predicted Lateral Force-Wind			Seismic Lateral Force = .3 x Weight	
Raker Length (Ft)	Brace Point Hgt. (Ft)	Max. Lateral Force (Lbs)	Wind Speed	Force	Force per 100-SF	Concrete Wall Thickness (in)	Force per 100-SF
8	6	12,000	100-MPH	45-PSF	4,500 Lbs.	12	4,500 Lbs.
10	7.5	11,000	90-MPH	35-PSF	3,500 Lbs.	8	3,500 Lbs.
12	9	10,000	80-MPH	30-PSF	3,000 Lbs.	6	3,000 Lbs.
14	10.5	8,500	—	—	—	—	—
16	12	4,200	—	—	—	—	—



**GENERAL REQUIREMENTS**

- 1-Prospan raker braces should be placed in pairs as depicted above. The distance between raker braces shall be no greater than 8 feet.
- 2-Raker braces shall be secured to the structure being supported, otherwise they shall be secured to one another via wooden cross bracing (2" x 6") or its equivalent.
- 3-The angle between the raker brace (upper Prospan strut) and the ground shall not exceed 45 degrees.
- 4-Prospan light-duty rails may be used.
- 5-When positioned on concrete surfaces, the Prospan base plates shall be secured to the concrete with a minimum 5" anchor bolt or its equivalent.
- 6-Once the Prospan raker braces have been placed, the Prospan ratcheting collar shall be rotated until the angled collar engages the piston pin, thus locking the Prospan strut in the extended position.
- 7-The Prospan Raker Brace System shall be installed by trained personnel only.
- 8-If raker braces are to be left in position for any length of time, then the installation must be checked by an engineer. Due caution shall be used during the installation of the Prospan Raker Brace System.

