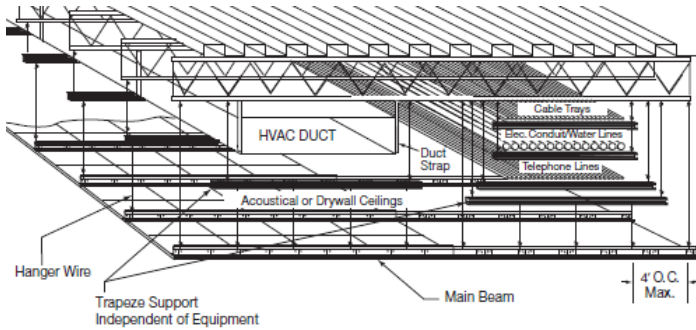
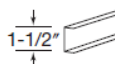
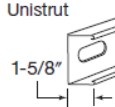
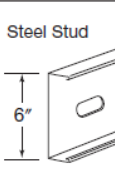


There will always be obstructions for the installation of a suspended ceiling system...The following is a guide which indicates what to use as a trapeze under different obstruction lengths. (#12 wire each end)



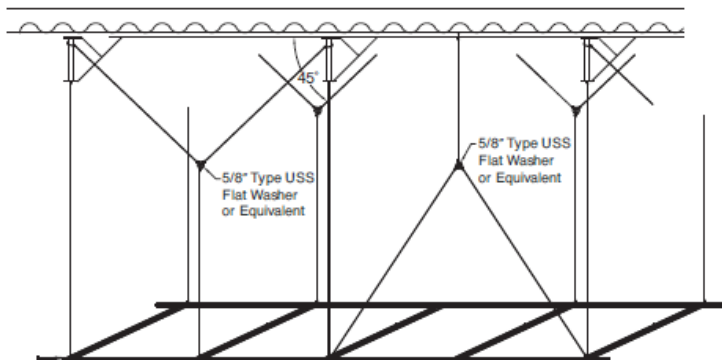
| Members | Gauge | 0' - 4' | 4' - 8' | 8' - 12' | 12' - 16' | 16' - 20' |
|---|----------------|------------|-------------|-----------------------|-----------|-----------------------------------|
| CRC  | 16 | 1-1/2" CRC | Back - Back | NA | NA | NA |
| Unistrut  | 16 14 12 | ← | | | P-2000 | NA P-1100 P-1000 |
| Steel Stud  | 20 18 16 | ← | | 6CSJ-20 Bridge Mid | NA | NA NA 6CSJ-16 Bridge Mid |

NOTE: Bridging is required at mid span when steel stud members are greater than 8'- 0" in length. Bridging may be 1-1/2" CRC or main runner screw attached to hold vertical and prevent cocking. No wire is required at mid span.

Another method is to utilize a single or double yoke wire technique.

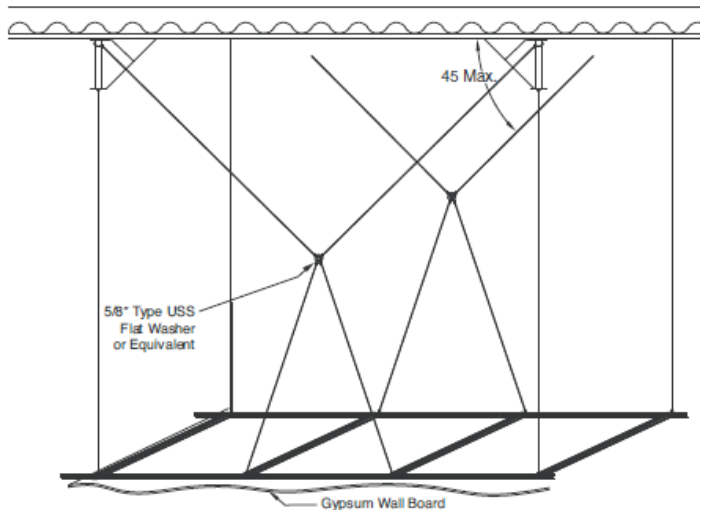
Rule: to form the 45 degree angle, the vertical location of the tension ring is always half the distance of the span at the structure

Single Yoke



NOTE: Maintain wire spacing at a maximum 4' on center.

Double Yoke



* Armstrong Commercial Ceilings and Walls Solution Guide, 5th Addition

** ASTM E580 3.2.4.4 allows 1/4" back-back CRC 4'-8'

If your conditions exceed the table above, an Engineer will need to be consulted for acceptable design.

