

Project Explorer

- Goulston South Warehouse Pipe Racks
  - Single Column Base Plate (Lateral) (Tube) (Pass)
    - M3 I (LC-8, UC-1.0) (Pass)
    - M4 I (LC-8, UC-1.0) (Pass)
    - M43 I (LC-8, UC-1.0) (Pass)
    - M47 I (LC-8, UC-1.0) (Pass)
    - M48 I (LC-8, UC-1.0) (Pass)
    - M5 I (LC-8, UC-1.0) (Pass)**
    - M52 I (LC-8, UC-1.0) (Pass)
    - M6 I (LC-8, UC-1.0) (Pass)
    - M82 I (LC-8, UC-1.0) (Pass)
    - M88 I (LC-8, UC-1.0) (Pass)
    - M98 I (LC-8, UC-1.0) (Pass)
    - M99 I (LC-8, UC-1.0) (Pass)

Load Combination:  
48. 3D - 49 - 0.9D+1.0Wx

Connection Properties

**Connection Category**

Bolt Layout	Four
Plate Washers	No

**Loading (LRFD)**

Custom?	No
Axial, kips.	-0.602
Strong Axis Shear, kips.	1.043
Weak Axis Shear, kips.	-1.158
Strong Axis Moment, kips-ft.	12.362
Weak Axis Moment, kips-ft.	0.000

**Components**

**Strong Axis Moment, kips-ft.**  
Column moment about the strong axis (parallel to the width dimension of the column shape), kips-ft.

<input type="radio"/>	44	3D - 45 - (1.2+0.2(Sds))D+EQX(Rho)+L+0.2S			0.155	0	-5.845	0	-28.04166	0
<input type="radio"/>	45	3D - 46 - (1.2+0.2(Sds))D-EQX(Rho)+L+0.2S			-0.153	0	-5.845	0	27.79105	0
<input type="radio"/>	46	3D - 47 - (1.2+0.2(Sds))D+EQZ(Rho)+L+0.2S			0.002	0.286	-4.915	0	-0.41803	0
<input type="radio"/>	47	3D - 48 - (1.2+0.2(Sds))D-EQZ(Rho)+L+0.2S			0	-0.287	-6.774	0	0.16753	0
<input checked="" type="radio"/>	48	3D - 49 - 0.9D+1.0Wx			1.043	1.158	0.602	0	-148.34075	0
<input type="radio"/>	49	3D - 50 - 0.9D-1.0Wx			-1.028	-1.159	-6.197	0	146.81379	0