Column addition for units 13m and longer

Applies To: Queenax Bridge units 13m and longer.

Issue/Symptoms

Bridge units 13m and longer may flex allowing unit side-to-side and/or up-down beam movement during use.

Resolution

Stiffen beams by installing an additional column at the center of each row of the unit.

Tools required

- Queenax tool kit (per **Queenax Install Information** sheet)

Parts required

QTY	Part Number	Description
1*	PPP0000000Q2275101	ASSY,BEAM,SECTION,250 S 2.0, WHITE
2*	PPP0000000Q2053101	K FLOOR FIXING 35
1*	PPP00000Q100257101	KIT 21 - KIT BOLTS FOR FIXING COLUMN-BEAM

*** Quantity required for *each row* of the unit.**

Procedure

1. To determine column placement, take the full installed length and divide it in half to find the beam center.
2. Align the column +/- 30cm from the beam center.

   Note: The beam many need to be lifted to prevent cosmetic damage and the H-Plate-beam connection bolts may need to be loosened to place the column.
3. Mark column holes per **Figure 1**, remove column, and drill holes.
4. Place column, install Column to Beam bolts, and concrete lags.
5. Torque Column-to-beam bolts to 58 ft-lb (79 Nm) and concrete lags to 40 ft-lb (54 Nm).
6. Attach Floor Fixing 35 footplates using included hardware.
7. Drill footplate holes per **Figure 1**, insert concrete lags, and torque to 40 ft-lb (54 Nm).
8. Install covers and hole plugs.

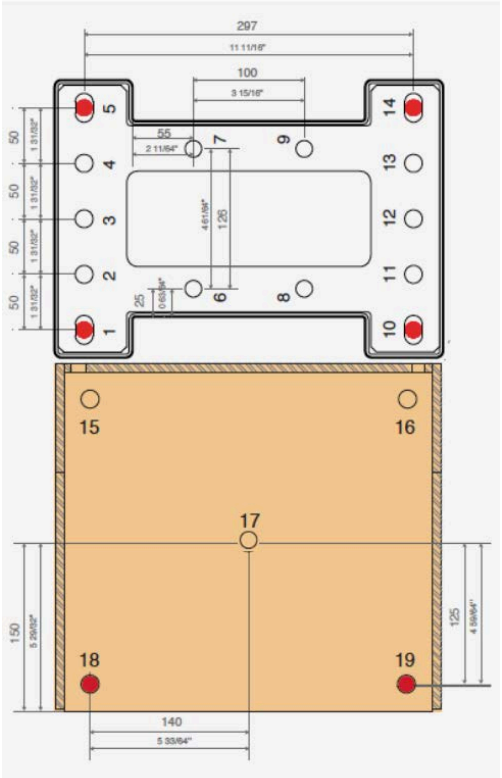
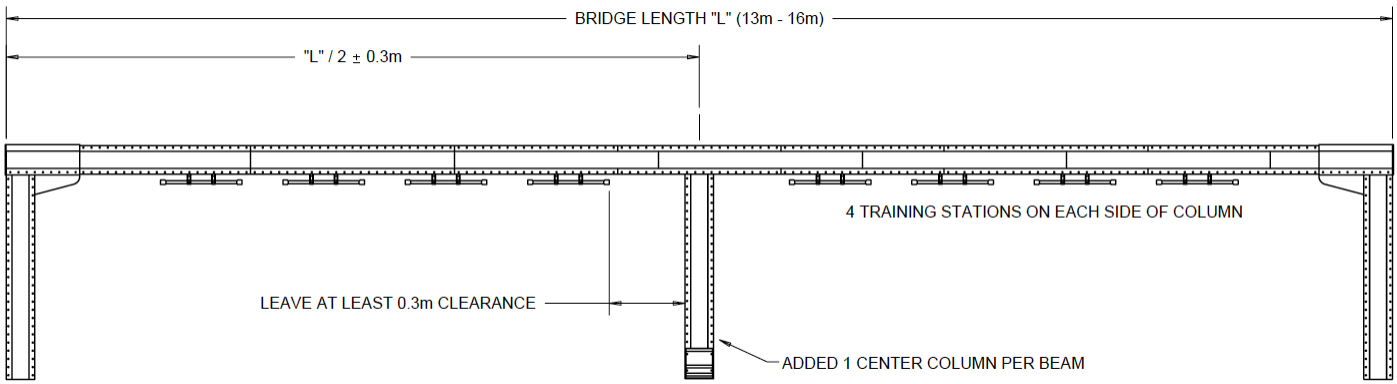
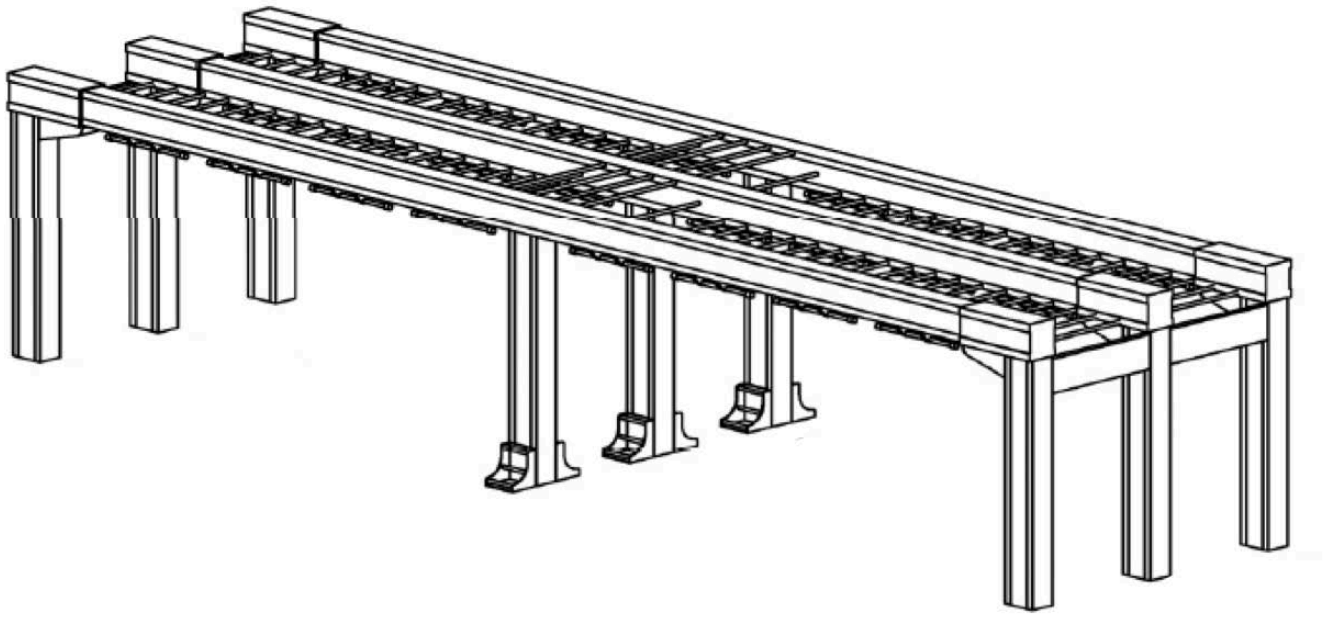


Figure 1: Column and footplate bolt pattern



Determining unit center



Footplate placement