

Queenax X Bridge Lateral Stiffener Modification

Applies To: Queenax X2-X5 Bridge, 10m – 12m spans only.

Issue/Symptoms

X Bridge Beam lengths greater than 10 meters may flex allowing unit side-to-side and up/down movement during use.

Resolution

Stiffen beams by installing additional horizontal K WIND 125 panels between beams.

Tools required

- 17 mm socket & box end wrench
- #1 Phillips screwdriver

Parts required

QTY	Part Number	Description
1*	PPP0000Q2013BLK102**	K WIND 125 PANEL, BLACK
1*	PPP0000Q2013QMS102**	K WIND 125 PANEL, SILVER

Notes: * The number of required K WIND parts depend on the X Bridge model. One part includes only one K WIND Panel (each double K WIND assembly requires 2 parts (2x panels), each triple K WIND assembly requires 3 parts (3x panels).

** Exploded view included at end of document.

Procedure

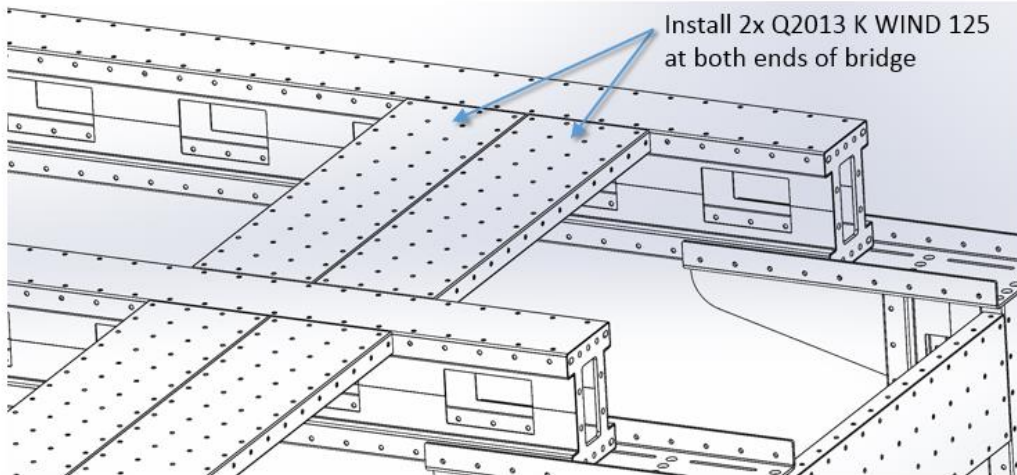
There are two K WIND installation procedures; one for X Bridge units with 10m spans (Double K WIND panel installation) and one for units with 11m to 12m spans (Triple K WIND panel installation). Use the installation procedure provided for the X BRIDGE span length.

Double K WIND installation procedure for units with 10 meter bridge spans

Applies To: 10m length span X BRIDGE units only.

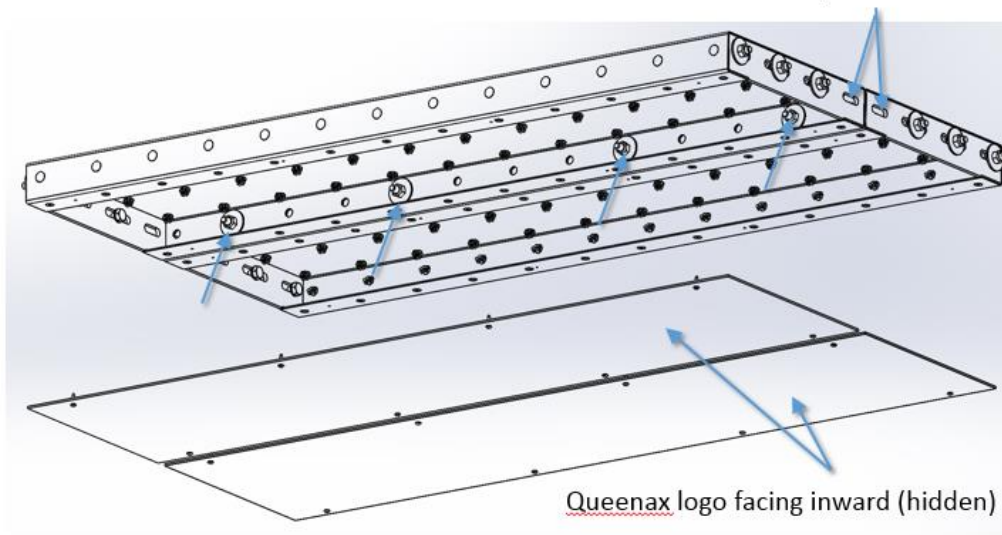
This installation installs two side-by-side K WIND panels between each pair of beams and at both ends of the beams. Refer to the following three illustrations for the double K WIND layout, configuration, and position installation information.

“Double” K WIND Layout (10m Bridge Only)

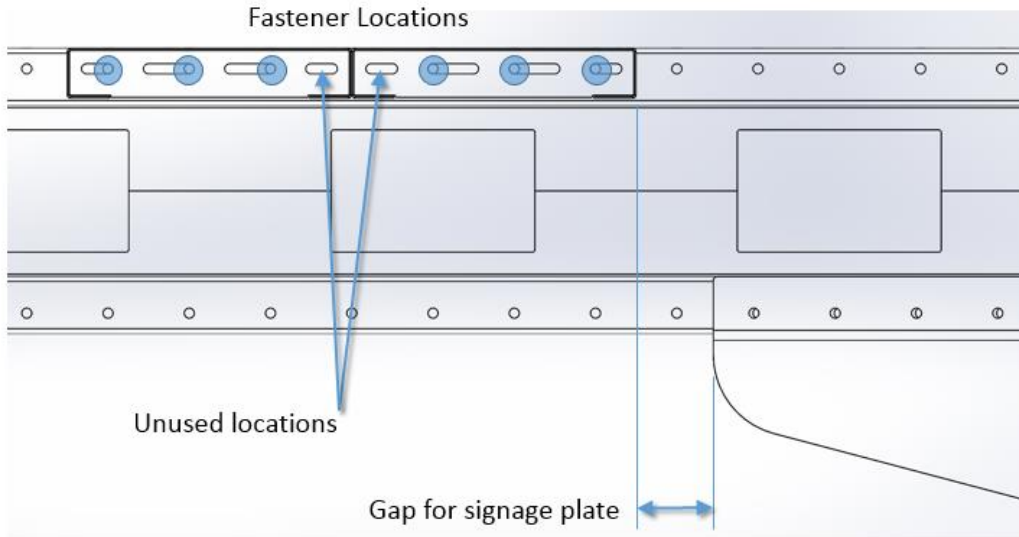


“Double” K WIND Configuration

These holes not used on both ends.
Use hardware in alternate positions shown.



“Double” K WIND Position Detail

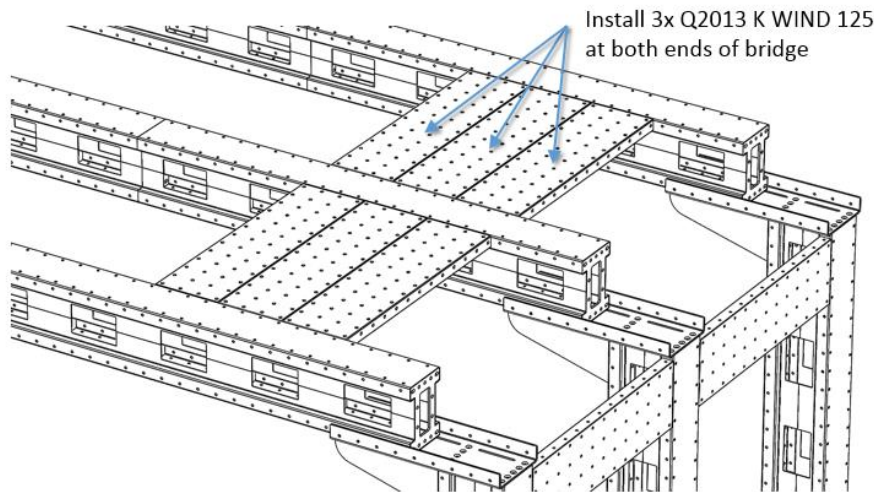


Triple K WIND installation procedure for units with 11 to 12 meter bridge spans

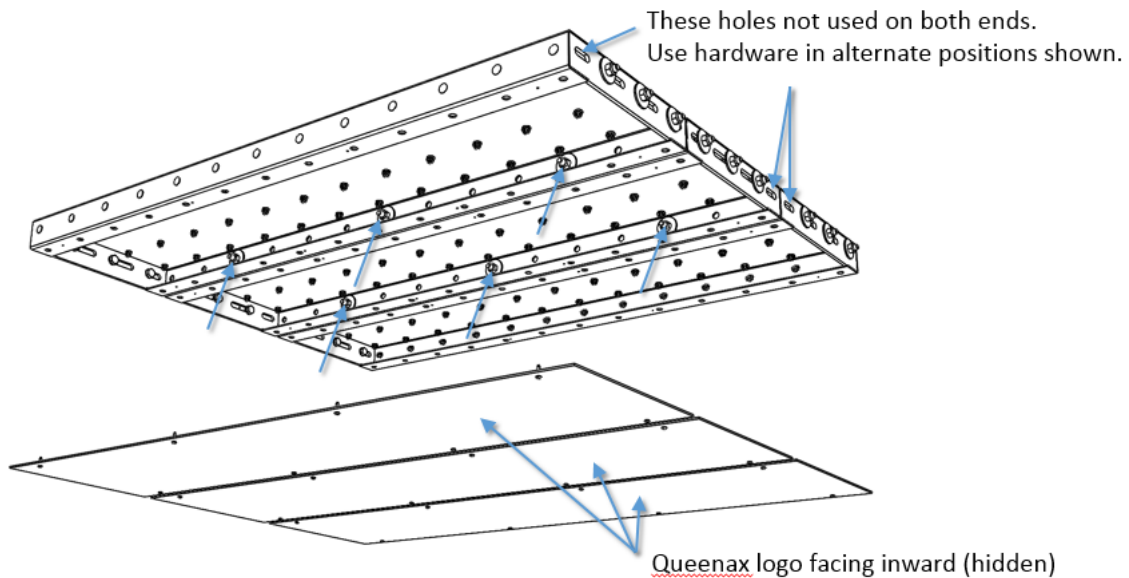
Applies To: 11m – 12m span X Bridge units only.

This installation installs three side-by-side K WIND panels between each pair of beams and at both ends of the beams. Refer to the following three illustrations for the triple K WIND layout, configuration, and position installation information.

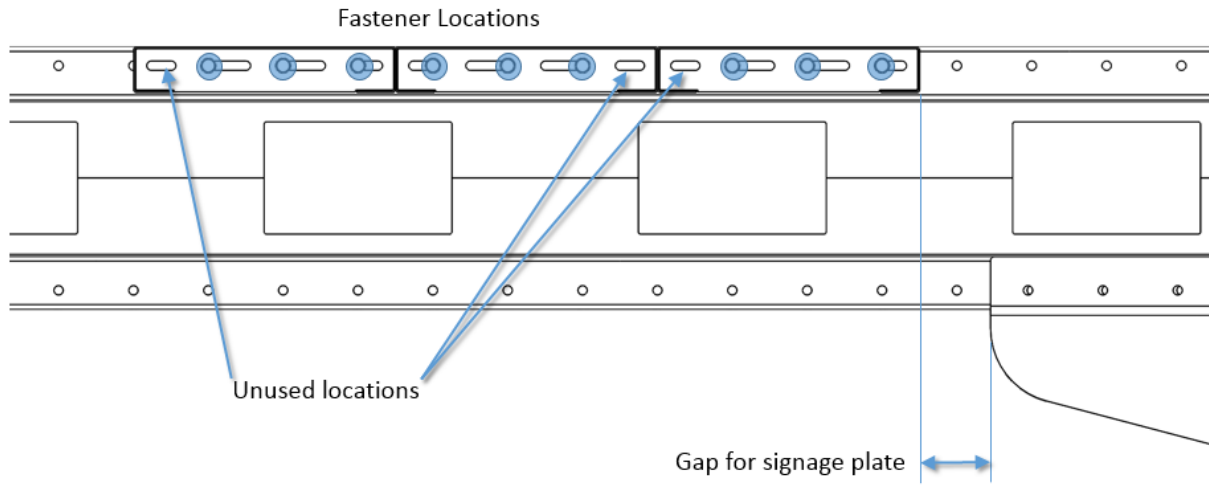
“Triple” K WIND Layout (11m and 12m Bridges)



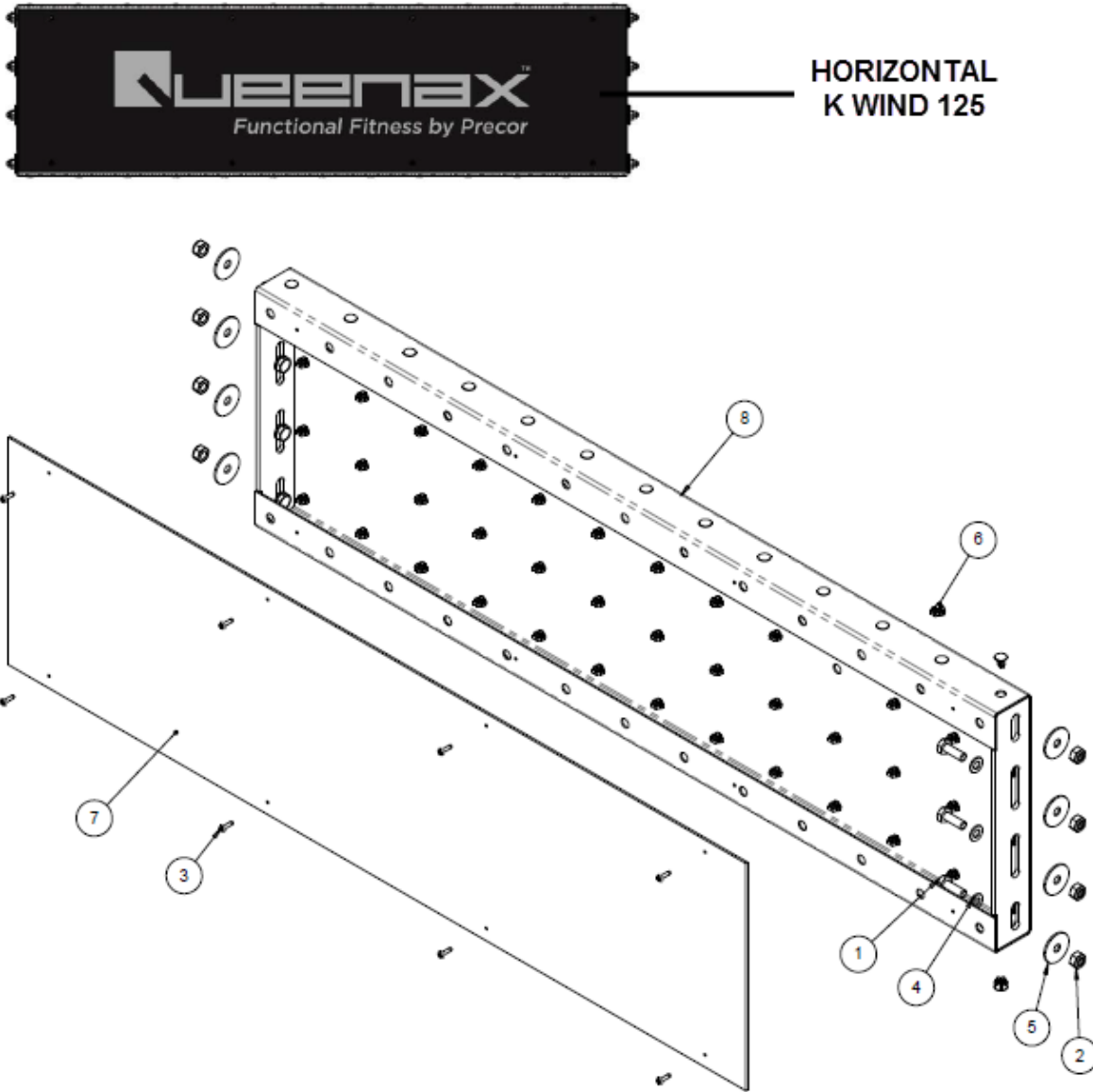
“Triple” K WIND Configuration



“Triple” K WIND Position Detail



Horizontal K WIND 125 Exploded View Diagram



ITEM	QTY -102	QTY BLK-102	QTY QMS-102	PART NUMBER	DESCRIPTION
1	8	8	8	CWHMCN010-030	SCREW,HHC,M10X1.5X30,STL,CZ
2	8	8	8	CWKFCN010-008	NUT,LOCK,FULL,M10,NYLON INSERT,STL,CZ
3	8	8	8	CWPAGCN039-016	SCREW,PAN HEAD,M3.9X16,STL,CZ
4	8	8	8	CWWKCN010-019	WASHER,FLAT,STEEL,METRIC,M10 X 1.9 T,CZ
5	8	8	8	CWWNCN010-025	WASHER,FLAT,STEEL,METRIC,M10 X 40 OD X 2.5T,CZ
6	78	-	-	Q40034-101	PLUG,HOLE,12 MM,WHITE
	-	78	-	Q40034-102	PLUG,HOLE,12 MM,BLACK
	-	-	78	Q40034-103	PLUG,HOLE,12 MM,GRAY
7	1	1	1	Q40068-101	LABEL,K-WIND LOGO PANEL
8	1	-	-	Q40217-101	WLDMT,K WIND 125,WHITE
	-	1	-	Q40217-102	WLDMT,K WIND 125,BLACK
	-	-	1	Q40217-103	WLDMT,K WIND 125,WHITE

PART NUMBERING: Q2013XXX-102
 XXX = COLOR CODE
 (BLANK) = WHITE
 QMS = SILVER
 BLK = BLACK