

MEZZANINE A220



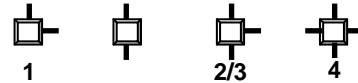
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CORNIX

A. Check & sort out all parts. Attention : primary and secondary beams (SL & SI) may look alike but are always different. Check the numbering on the drawings.

B. Check the position of the different beams on the drawing. The columns come in different models !



C. Installation

- 1 clean up the area and make it free of obstacles (otherwise the chalk lines won't be visible).
- 2 align all columns (big installations : alignment in several phases) and chalk or use a laser.
- 3 don't forget to mark the base of the columns also.

- 4 position column 1 and 2 and fix temporary with anchors (level). Don't tighten yet !
- 5 lift the outer primary beam (mostly single but sometimes double, check the design) with your forklift and fix to the column bracket with M16x35 bolts (4 per side). Use per M16 each time 2 washers ! Tighten all bolts.
- 6 position and fix column 3 and 4 as explained under point 4.

7 install primary beams (single or double depending on their position in the installation) as explained under point 5. Tighten all bolts !

8 now install the secondary beams column (SL) in order to obtain a square/rectangle using 4 bolts M16x35 each time with 2 washers on each side. Don't tighten yet.

9 now install the secondary beams (SI) in order to obtain a square/rectangle. Tighten the bolts of the end cleats.

Checks : check the diagonals of the square or rectangle : they should be equal !
 $(\text{length module})^2 + (\text{width module})^2 = (\text{diagonal module})^2$

10 install the other modules in the same way as described here above and in the easiest way for yourself (best install per full row).

11 now fix all end cleats to the primary beams by means of the M16x35 bolts : sometimes the cleats will be doubled ! Don't tighten yet.

12 fix all secondary beams (SI) to the end cleats by means of M16x35 bolts. Now tighten all end cleat bolts.

13 install tie-rods as per drawing in the lower (square) holes approximately halfway the secondary beams. Tighten. One tie-rod to connect each time 2 secondary beams to each other. Beam centres : consult quote !

14 check the level of all columns and apply wedges if needed. Anchor the columns. Tighten.

15 this system doesn't require bracing it is self supporting.

16 install chipboard decking (adjust where required) and fix to beams with self-drilling 6,3x70 screws. The number of screws has to be respected scrupulously (+/- 5 per panel 2400x600 mm) : this is important to avoid the beams tilting. Be carefull not to damage the white underside of the particle board !

Attention : usually the chipboard panels hang over the exterior beams in order to allow installation of certain accessories (eg. plinth of handrailing).

The panels have to be installed displaced and both ends have to rest preferably on a secondary beam.

17 install now the eventual handrail and staircase (consult manual for staircase).

D. Important

- * make sure you have enough space (forklift, scaffolding, ...).
- * first install primary beams, then the secondary beams column (SL) and finally the secondary beams (SI).
- * don't forget the overhang of the decking for the installation of the plinth of the handrail, staircase, ...
- * check the drawings regularly : different names of beams = different holes.
- * installation is best done by a 3 man team.

