

6 Installation

6.1 Precautions for installation

- The wrong installation will cause the lift damage or personal injury. The manufacturer will not undertake any responsibilities for any damage caused due to incorrect installation and usage of this equipment, whether directly or indirectly.
- The correct installation location shall be on “horizontal” floor to ensure the horizontal lifting. The slightly slope floor can be corrected by proper shimming. Any big slope will affect the level of the lifting. If the floor is of questionable slope, consider a visual inspection, or pour a new horizontal concrete slab if possible. Don't expect to compensate for the serious slope by shimming.
- Don't install the lift on any asphalt surface or any surface other than concrete. The lift must be installed on concrete floor conforming to the minimum requirement showed in this manual. Don't install the lift on the concrete with seams or crack and defect. Please check it along with the engineers.
- Without the written approval of the architect, don't install the lift on a second floor with basement.
- Overhead obstruction: The lift installation area can't have any overhead obstruction, such as heater, building support, electrical pipe, etc.
- Concrete drilling test: The installation personnel can test the concrete thickness at each site by drilling test. If several lifts are installed at one place, it is preferred to make drilling test in each site.
- Power supply: Get ready the power supply before the installation. All the electric wiring and connecting should be performed by a certified electrician.

6.2 Installation procedures

6.2.1 Overall Positioning

Selecting installation site based on the following conditions:

- If the thickness of the whole ground concrete is greater than 200mm, with 7 days of minimum curing time.
- The concrete slab shall have steel bar reinforcement and must be leveled.
- If the thickness of the whole ground concrete is less than 200mm, the concrete foundation directly below the column must be made as Length 600x width 600x thickness 250mm.
- Check the possible obstruction, e.g. low ceiling, top pipeline, working area, passage, exit, etc.
- Allow enough space around the lift for accessing the vehicle. (as in Fig. 5)

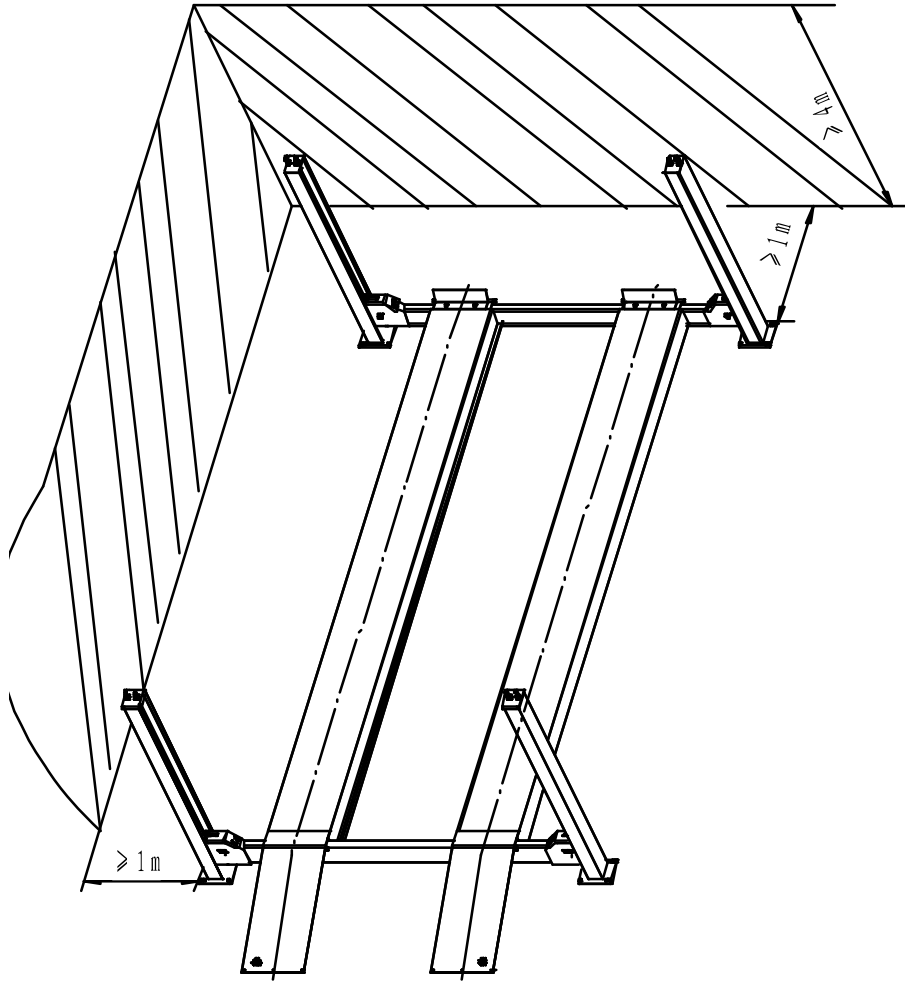


Fig 5

6.2.2 Base Plate layout

The bay layout is shown in Fig. 6:

- With total width as the basis, draw two parallel lines (#1 and #2) on the concrete slab, with the error within 6mm.
- Confirm the position of the power column, Tag base width (B235mm). Mark the position of 4#&3#
- the position of 4 columns can be confirmed.

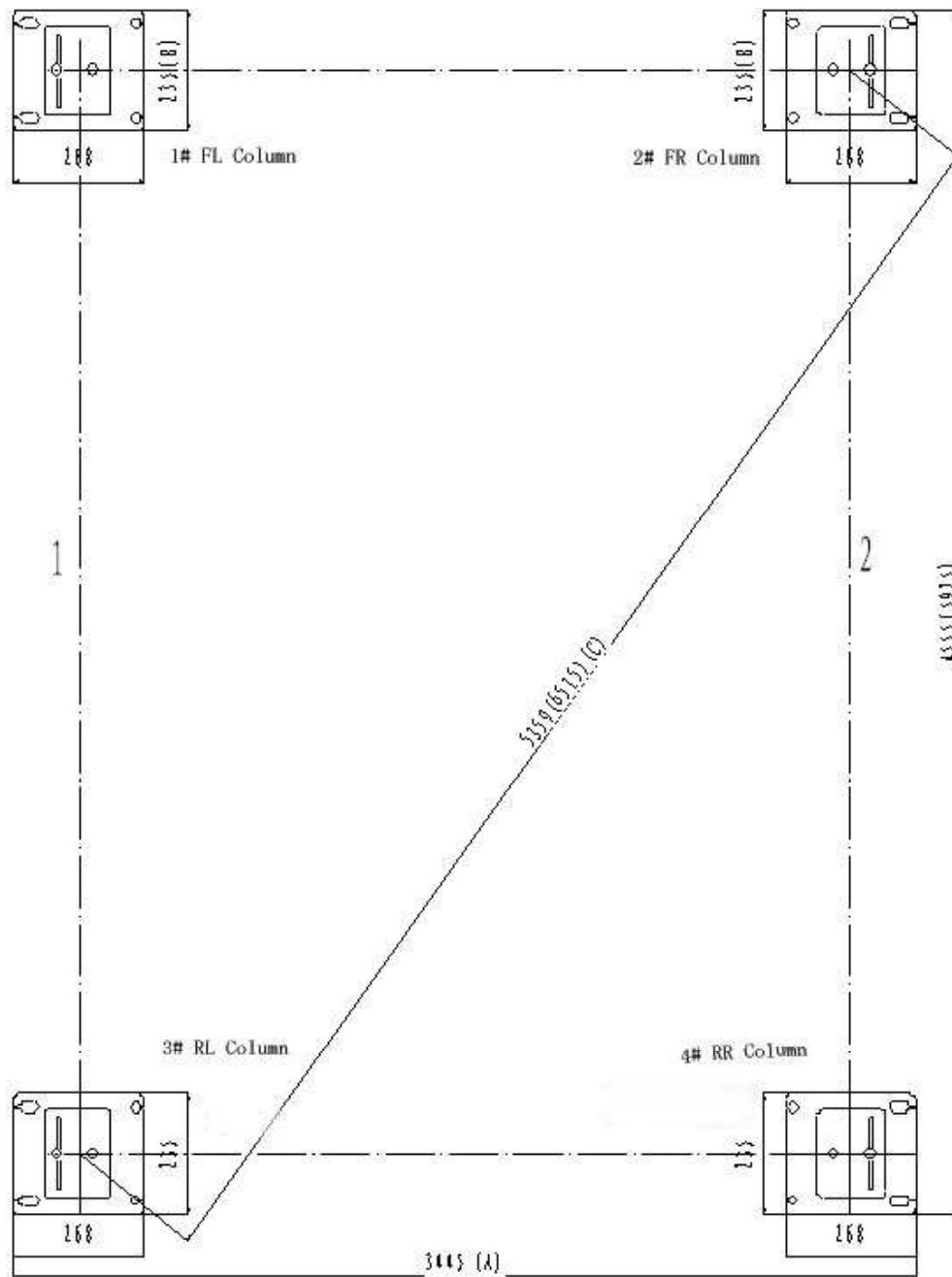


Fig 6

**Note:**

- All the dimensions are based on the external border of the base plate.
- Ensure the overall error is controlled within 6mm. In this way, the difficulties in the final assembly, or early wear or non-alignment of the lift can be eliminated.