Cern LHC Interactive Tunnel Installation manual

Version 4 Tv August 2018

Denarié Charles-Henri
Cern Travelling Exhibition Manager
Tel: 0041 75 411 0704
Email: charles-henri.denarie@cern.ch
Mounting sequence

• Installation of the lino floor
• Truss structure mounting
• Screen support horizontal bars
• Screen support vertical bars
• Black top cover installation
• Screen installation
• Video projectors installation
• Kinect installation
• Pc and sound system installation
• Cabling Power, Video, sound, Kinect, Small router
• Test
• Vertical black covers installation
• Test
Lino installation

• Lino is foreseen to be Below the 4 feet of the structure.

• Please keep 1.5m from lino to room wall for access on the back part.

• If possible use double side tape to fixe it on the floor
Truss structure mounting

• On the trolleys you have:
• 4 feet, 2 piece 2 m long and 4 pieces with 1.5m attaches to an angle.
• On the large box -03 you will find the pines and clamps for the assembly
• First mount the top part of the structure on the floor and then the feet will be add.
• Please identify the pieces to be fixed together with the stickers like on the picture below
• For example Truss 1 to Truss 1.
• The part with the screens wall is the one with stickers Truss 1 and Truss 2.
• When the top rectangle is done and secure by pines and clamps, you have to add the feet, for this lift one side (2 persons) and a 3rd on will place the feet on this side.
• Please secure directly with the pin and the clamp the fixation.
• Than lift the other side and add the 2 others feet.
• Adjust the position of the structure on the lino.
Truss junctions
Screens structure mounting

• Horizontals bars should be assemble as on the picture
• Horizontal bars will be then fixe on the structure on the according position on the feet
Screen support vertical bars installation
Top cover installation

• The black top cover is fixed directly on the truss structure – Please put the cover slightly above the screen to avoid external light
• (max 5 cm, to allow top ventilation)
Screen Installation

- The screens are inside the boxes -00 and -01.
- This type of screen with very narrow bezel is **VERY FRAGILE**.
- You should **NEVER** put them on floor, or let them laying on back side or front side.
- You have to take them from the boxes and **install them directly**.
- They are mark from 1 to 4

1 2
3 4

- In box -00 you have Screen 1 and 2
- In box -01 you have Screen 3 and 4
- Please install first the screen 1 and align it to the mark on the truss
Engage first the top part of the support
Then pulling the small cable engage the bottom part
Secure Screens on position
Installation of the video projectors
Kinect installation on right and left near the screen
Pc and sound system

- Pc and sound system, router,
- have now to be install on the floor, below the screens
Cabling

• Power cables
• Video cables
• Sound
Power have to be distributed on the 3 phases
Forex panels black cover installation
Install CERN Forex Logo