

Copenhagen Opera

Town : Copenhagen
Country : Danemark

Supplied in :
2002

Reference :
21027

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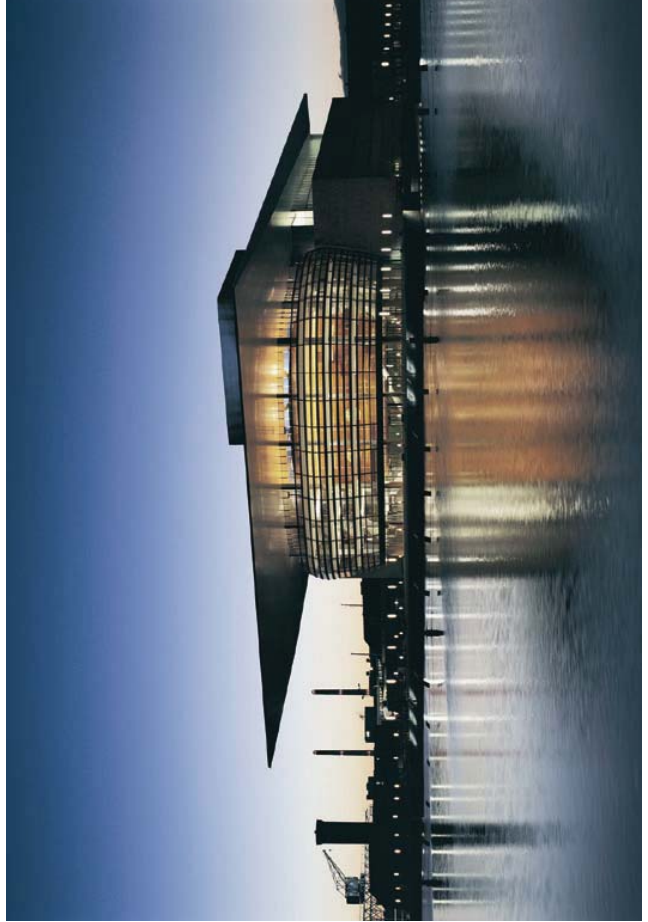
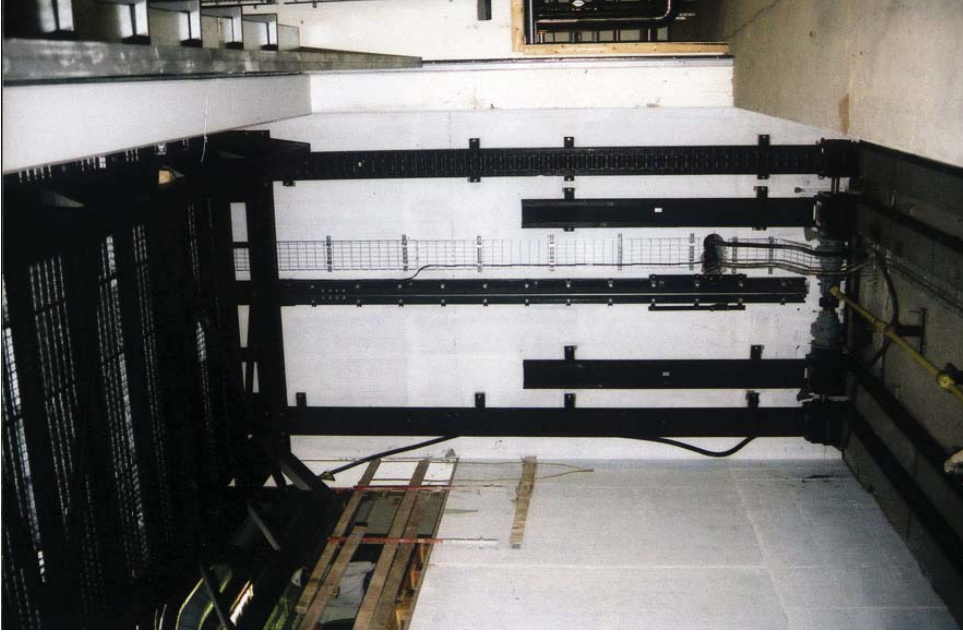
MAIN TECHNICAL CHARACTERISTICS

Static (kN) : 440 **Surface (m²) :** 40 **Stroke (m) :** 13,4
Dynamic (kN) : 290 **Speed (m/min) :** 8,5 **Chain type :** 4xLL100R

DESCRIPTION

The Scenery Elevator: This lift measures 11metres long by 3.5 metres wide and 3.6 metres high and is used to transport containers of scenery from the loading dock level to either the stage or scenery store levels. This requires the lift to travel over distances of up to 13.2 metres with dynamic payload capacity of up to 15,000kg. The total dynamic load of the lift including self weight is close to forty tones and this is lifted using 4 LinkLift 100R columns. There was sufficient room to allow the LinkLifts to be guided in tubes over the first 7.2 metres travel which allows the lift to operate up to 13.2 metres which is 6.2 metres beyond the unguided travel range. The return chains are stored in guide tubes across the floor of the pit and up the adjact wall.

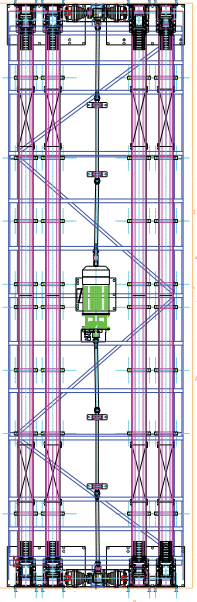
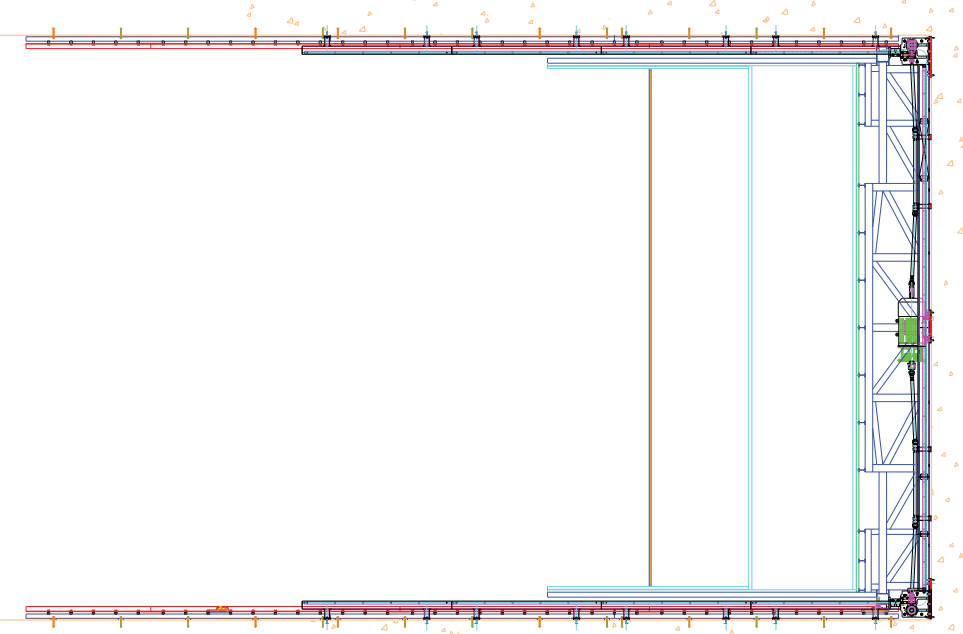
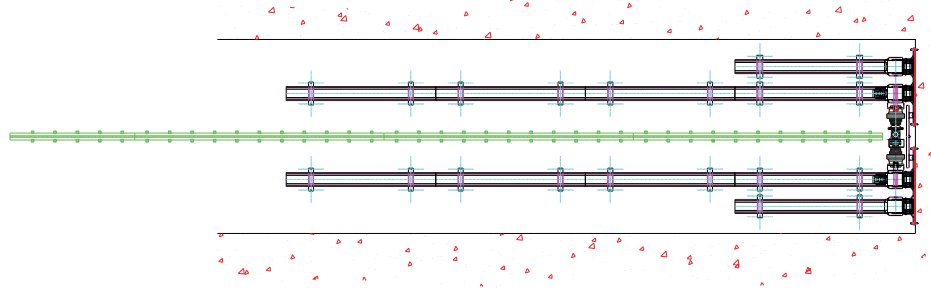
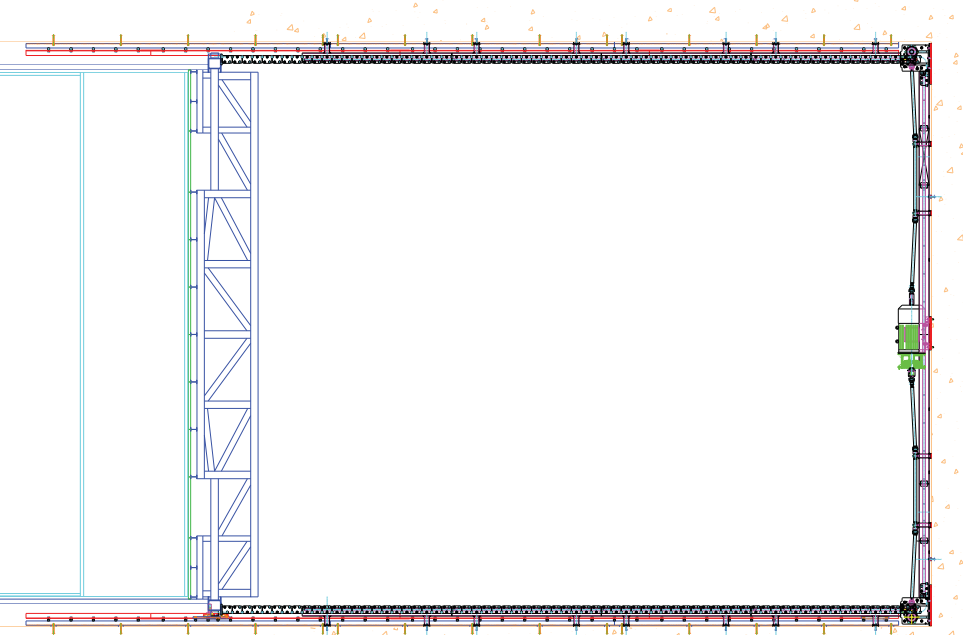
This lift had to be certified to EN81 lift regulation. It was not possible to use a conventional lift emergency braking system so disc brakes were fitted to the inputs to the planetary gearboxes at the foot of each column. Should the lift be detected overspeeding then these four disc brakes are activated and the power to the motor is disconnected.





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