

Technical Seminar

Specific Safety Hazards in relation
to Lift Shaft under Temporary

Occupation Permit (TOP)

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Edward Yeung

Usual TOP Arrangement

- TOP for low zone of high-rise building
- TOP for some of the buildings with common podium and / or basement
- Usual special requirements for lift shaft activities for high-rise building

Main Contractor needs to get involved in TOP Plan submission

 Safety and logistic arrangement for construction activities

TOP \longrightarrow Full OP

4 Gammon Construction Limited. All Rights Reser

TOP requirements for Lift Shaft Activities at High Rise Building

- Firemen's lift(s) arrangement is temporary
- Some of the lifts shafts (especially for high zone lift) in low zone are excluded from TOP as construction activities still continue
- Drainage arrangement and fire separation to be implemented as designed by Authorized Person

Access for Workers to work in Lift Shafts outside TOP Area from TOP Area Unavoidable

Contractor need to coordinate with relevant parties (e.g. owner / developer, occupant, management office, etc.)

- Access controlled by self-closing FRP doors which are always locked from outside but can be opened from inside without key
- Alarm signal to contractor's site office when access door is opened
- Warning signal on restricted access
- Permit to work system
- Independent daily checking

Horizontal Catch Deck in Lift Shafts outside TOP Zone to prevent water ingress and rubbish accumulation at the bottom of Lift Shaft

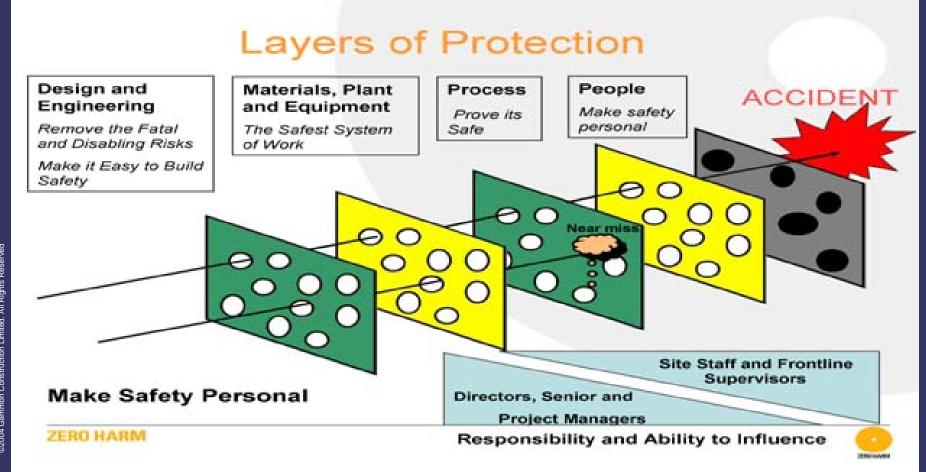
- Design and Construction
- Risk Management

Vertical Transportation in Lift Shaft outside TOP Zone

- Access arrangement
- Crash desk to be provided and raised with extension of the hoist service to upper floors and lifting by tower crane recommended
- Risk Management

Recommendation

Lift Shaft Activities need Risk Assessment for safety provisions



Minimize Lift Shaft Activities



Thank You