

HYER STANDARDS

Services - Rough In and Fit Off

The Hansen Yuncken HYer Standards provide guidance on the minimum level of compliance expected for high risk activities on all projects.

Rough In



- All cabling must be checked for continuity and suitably identified.
- Uni-struts/hangers/supports are to be anchored into the supporting structure.
- Noggings for services and fixtures are to be at the correct location/height.
- Minimum clearance must be provided between services.
- Provision is to be made for service access panels/framing.
- Penetrations through studs are to be siliconed or lagged.

Fit Off



- Fit-off materials must be in accordance with specified requirements.
- Services are to be fit-off in the correct location.
- Penetrations through fire-rated walls must be correctly sealed and labeled.
- Access panels are to be provided for service access.

Compliance

Hold Points:

- Services fit off works have been inspected by Services Consultants.
- Services fit off works have been inspected by relevant State and Local authorities in accordance with regulations, standards, or local by-law requirements.
- Photographs/360 capture of services prior to closing walls/ceilings.

Supporting Documents:

- Material compliance certificates.
- Manufacturer's Warranty Certificates.
- Inspection/Test records from the relevant services subcontractors
- Certificates of Installation for completed works.
- Commissioning result records.

Specific Services

Electrical:

- Cables must be supported by either cable tray or catenary wire per specification.
- Lighting operation and control function, including dimming, is to be checked.
- Monitoring of Exit and Emergency lighting is to be commissioned.

Hydraulic:

- Isolation valves must be installed in per the design and be accessible once wall/ceiling linings have been installed.
- Hot and cold-water pipes must be clipped and supported correctly.
- Wastes must be installed to suit fixtures at the correct heights.
- Suspended drains must be installed with correct gradients.

Mechanical:

- Ductwork must be appropriately installed and contained within the ceiling void/riser/bulkhead.
- Installed pipework must be pressure tested to ensure it is free of leaks and the design pressure is maintained.
- Systems must be air balanced.
- All plant must be installed in accordance with the design drawings, specification, and manufacturer's instructions.

Fire:

- No other services are to be located within Fire Hose Reel cupboards.
- Interfacing with interconnected systems must be verified.

Comms/Data/Security:

- Interfacing with interconnected systems must be verified.
- Outlets are to be correctly labelled in accordance with the specifications.
- Fiber optic or copper backbone or cabling is to be installed, per specified requirements.
- All patch, fly leads, and switch gear is to be installed per specifications.
- The correct functioning of access control, such as electric strikes, magnetic locks, and keypads, must be verified.
- The correct function of CCTV must be verified.



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