



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	Fit Off	Compliance
 <ul style="list-style-type: none"> • 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. 	 <ul style="list-style-type: none"> • 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. 	<p>Hold Points:</p> <ul style="list-style-type: none"> • 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. <p>Supporting Documents:</p> <ul style="list-style-type: none"> • 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		
<p>Electrical:</p> <ul style="list-style-type: none"> • 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. <p>Hydraulic:</p> <ul style="list-style-type: none"> • 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. 	<p>Mechanical:</p> <ul style="list-style-type: none"> • 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. <p>Fire:</p> <ul style="list-style-type: none"> • No other services are to be located within Fire Hose Reel cupboards. • Interfacing with interconnected systems must be verified. 	<p>Comms/Data/Security:</p> <ul style="list-style-type: none"> • 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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 AND FIT OFF PROCEDURE**