

Activity ID	Description	Duration	WEEK														
			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Basement Level B3 Corridor M&E Services																	
TP13-01	B3 H/L Corridor (B3C) available for	0			◆												
TP13-02	B3C Fire protection plant room water mains P/wk	1w				■											
TP13-03	B3C Domestic water plant room water mains	1w				■											
TP13-04	B3C High level drainage pipework	1w					■										
TP13-05	B3C Outgoing domestic water pipework to risers	1w					■										
TP13-06	B3C Test high level water mains pipework	1d						■									
TP13-07	B3C Trace heat incoming water mains pipework	2d						■									
TP13-08	B3C Insulate high level water mains pipework	2d							■								
TP13-09	B3C Outgoing fire protection pipework to risers	1w							■								
TP13-10	B3C Sprinkler range pipework	1w							■								
TP13-11	B3C Basement supply air ductwork	1w								■							
TP13-12	B3C Condenser water pipework to riser	1w									■						
TP13-13	B3C Chilled water pipework to riser	1w									■						
TP13-14	B3C H/L supply air ductwork to EPS plant room	1w										■					
TP13-15	B3C MV Ladder rack to LLV2 switchroom.	1w											■				
TP13-16	B3C LV ladder rack to LLV2 switchroom	1w												■			
TP13-17	B3C LLV2 busbars to chilled water plant room	1w														■	

Template Programme TP13 - Basement Level B3 Corridor Services

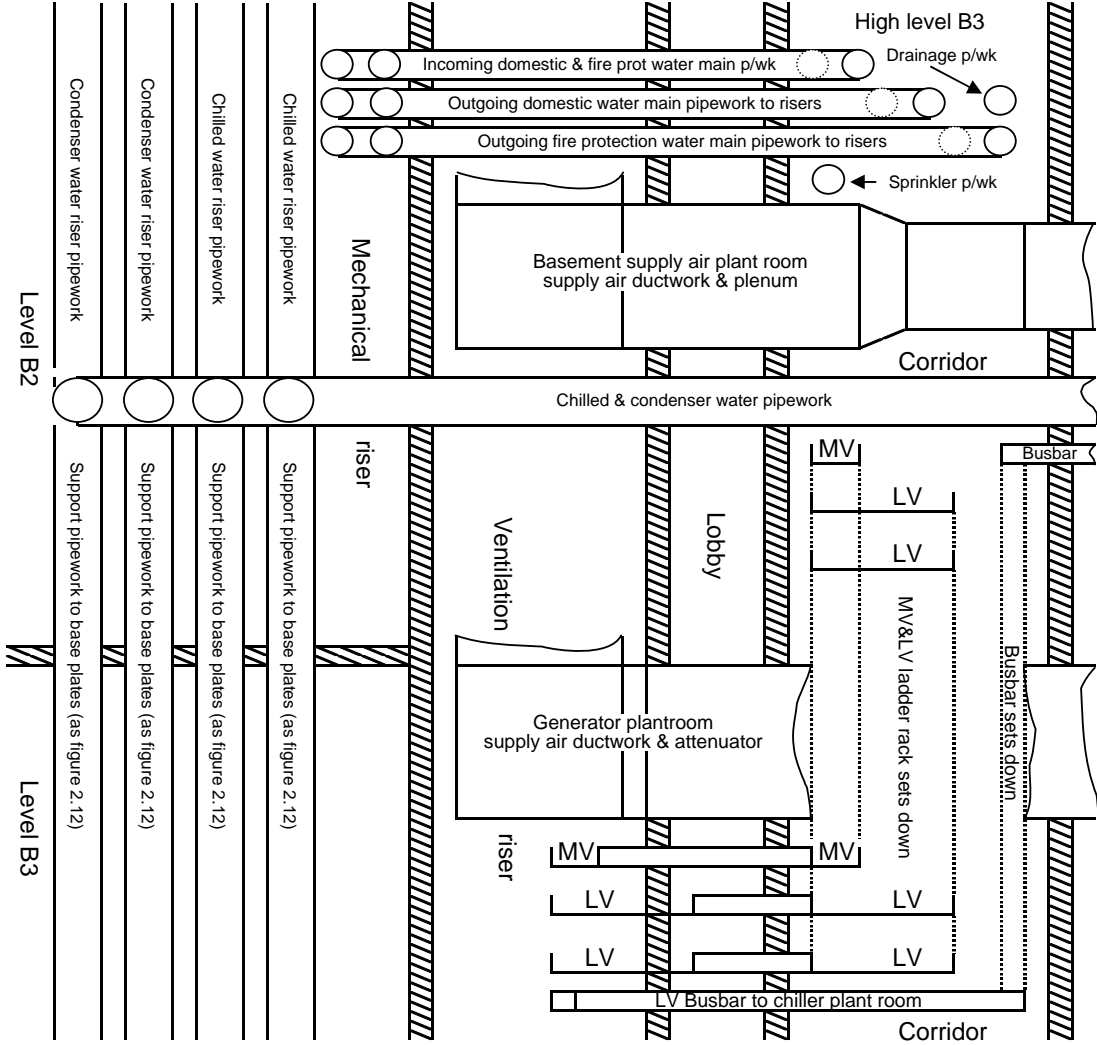


Figure 4.2 Basement level B3 corridor services

Template Programme TP13 - Basement Level B3 Corridor M&E Services

Activity ID	Activity Description	Predecessors / Comments
TP13-01	B3 H/L Corridor (B3C) available for commencement	Identification of the commencement date. Walls built, access available, area dry and free of debris etc.
TP13-02	B3C Fire protection plant room water mains P/wk	Direct incoming mains water supply for the fire protection plant room. In this instance commencing from the fire mains intake room on basement level B1. The pipework is installed through the basement level B1 car park and down the northwest riser. It is then installed at high level along the basement level B3 corridor before dropping down into the fire protection plant room.
TP13-03	B3C Domestic water plant room water mains P/wk	As TP13-02 but for the domestic water plant room
TP13-04	B3C High level drainage pipework	Has to be installed early in the sequence because it has to be installed at specific invert levels to create falls to risers and sumps.
TP13-05	B3C Outgoing domestic water pipework to risers	This refers to the outgoing domestic water building supply pipework from the storage tank in the domestic water plant room to the northwest riser.
TP13-06	B3C Test high level water mains pipework	The incoming and outgoing water mains pipework (not to the outgoing fire protection pipework though) will be insulated, which means that it needs to be tested before this can commence.
TP13-07	B3C Trace heat incoming water mains pipework	The incoming domestic and fire protection plant room water mains pipework will be trace heated to prevent condensation. This will follow the testing but precede the insulation.
TP13-08	B3C Insulate high level water mains pipework	This particular section needs to be carried out early in the corridor installation sequence, because it will be in-accessible following the installation of the lower services.
TP13-09	B3C Outgoing fire protection pipework to risers	This refers to the outgoing fire protection pipework from the storage tank in the fire protection plant room to the northwest riser.
TP13-10	B3C Sprinkler range pipework	Generally one of the highest services, but could be installed below the water mains pipework for easier access purposes. Particularly if there is a requirement to have sprinklers both above and below wide sections of ductwork.
TP13-11	B3C Basement supply air ductwork	This refers to the high-level supply air ductwork and plenum from the basement supply air plant room on basement level B2. From the plenum the ductwork tees into the riser and also branches off along two basement level B3 corridors.
TP13-12	B3C Condenser water pipework to riser	Direct pipework links between the chilled water plant room and the northwest riser. Could be installed prior to the riser and chilled water plant room pipework.
TP13-13	B3C Chilled water pipework to riser	As TP13-12 but for the chilled water pipework.
TP13-14	B3C H/L supply air ductwork to EPS plant room	Supply air ductwork between the northwest riser and the emergency power supplies plant room.
TP13-15	B3C MV Ladder rack to LLV2 switchroom.	In this particular instance the MV ladder rack would be from the northeast electrical riser, because the northwest electrical riser feeds directly into the LLV2 switchroom (there are generally two MV supplies into a LV switchroom, taking diverse routes). It is important to identify a route for the MV ladder rack that will provide the earliest opportunity for its installation in terms of getting the "power on". In some instances this may mean installing the MV ladder rack and cabling as the highest service.

Template Programme TP13 - Basement Level B3 Corridor M&E Services

Activity ID	Activity Description	Predecessors / Comments
TP13-16	B3C LV ladder rack to LLV2 switchroom	Will always be one of the lowest services for access purposes, and will generally set up and down between the mechanical and ventilation services. Needs to be fully completed before the commencement of the LV cable installation.
TP13-17	B3C LLV2 busbars to chilled water plant room	Could be one of the highest services depending upon the co-ordinated layout of the corridor. It does not have to be accessed once it has been installed and tested.

General Notes:

- 1 To be read in conjunction with the Basement Levels B2 and B3 Plant Room Layouts
- 2 To be read in conjunction with Figure 4.1