

Activity ID	Description	Duration	WEEK																													
			-3	-2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Fire Protection Plant Room																																
TP02-01	Fire Protection P/room (FPP) Av for	0		◆																												
TP02-02	FPP Basement supply ductwork	1w				■																										
TP02-03	FPP Basement extract ductwork	1w				■																										
TP02-04	Deliver & assemble sprinkler water storage tank	1w					■																									
TP02-05	Deliver & position sprinkler pumps	1w						■																								
TP02-06	FPP Sprinkler pipework & valves	3w							■	■	■																					
TP02-07	FPP Incoming water mains pipework connections	1w																														
TP02-08	FPP Test sprinkler pipework	1w																														
TP02-09	Deliver & position sprinkler pump control panels	1w																														
TP02-10	Sprinkler plant wiring & terminations	2w																														
TP02-11	FPP Sprinkler pipework trace heating	1w																														
TP02-12	FPP Sprinkler pipework insulation	1w																														
TP02-13	FPP Del & position LV Elec. changeover panels	1w																														
TP02-14	FPP LV containment	1w																														
TP02-15	FPP Sprinkler BMS interface connections	1w																														
TP02-16	FPP Sprinkler fire alarm interface connections	1w																														
TP02-17	Basement sprinkler pipework complete & tested	0																														
TP02-18	FPP Sprinkler control interfaces complete	0																														
TP02-19	Riser sprinkler pipework complete & tested	0																														
TP02-20	FPP water supply available	0																														
TP02-21	FPP LV cable terminations	1w																														

Template Programme TP02 - Fire Protection Plant Room

Activity ID	Activity Description	Predecessors / Comments
TP02-01	Fire Protection P/room (FPP) Av for commencement	Identification of the commencement date. Plinths constructed and painted. Walls built, access available, area dry and free of debris etc.
TP02-02	FPP Basement supply ductwork	Supply air ductwork common to all basement plant rooms. It would be beneficial if this was installed prior to delivery of water storage tanks in instances where it has to be installed above them.
TP02-03	FPP Basement extract ductwork	Extract ductwork common to all basement plant rooms. It would be beneficial if this was installed prior to delivery of water storage tanks in instances where it has to be installed above them.
TP02-04	Deliver & assemble sprinkler water storage tank	Provided by the fire protection contractor's supplier. Could be delivered in sections or as a single unit, depending on the logistics and timing of delivery. Could be delivered and positioned prior to the fire protection contractors commencement on site. Requires a concrete base prior to assembly. Alternatively, could be formed as part of the concrete structure with a specialist waterproof lining.
TP02-05	Deliver & position sprinkler pumps	Provided by the fire protection contractor's supplier. Long lead-in item requiring the completion of concrete plinths prior to delivery.
TP02-06	FPP Sprinkler pipework & valves	Main installation works within the plant room. Pipework and control valves linking the storage tanks via the pumps to the outgoing sprinkler mains pipework. Requires the tanks and pumps delivered and assembled prior to commencement.
TP02-07	FPP Incoming water mains pipework connections	This refers to the final pipework link and connections onto the storage tanks from the incoming water mains on level B1 intake room. One common main could serve both the sprinkler and the wet riser storage tanks.
TP02-08	FPP Test sprinkler pipework	Follows the sprinkler pipework completion. Could be deferred until the entire basement pipework is complete, depending on the co-ordination requirements of other M&E services.
TP02-09	Deliver & position sprinkler pump control panels	Provided by the fire protection contractor's supplier. Could be earlier in the sequence, but may be prone to damage until the pipework is completed.
TP02-10	Sprinkler plant wiring & terminations	Requires pumps / control panels and pipework / valves installed prior to commencement. Works carried out by the fire protection contractor.
TP02-11	FPP Sprinkler pipework trace heating	Generally the incoming and outgoing mains are trace heated. Works carried out by the fire protection contractor once the pipework has been successfully tested.
TP02-12	FPP Sprinkler pipework insulation	Will not commence until the pipework has been tested and trace heated (where required).
TP02-13	FPP Del & position LV Elec. changeover panels	Installed, wired and terminated by the electrical contractor, for the emergency power supply switching of the electrical supplies as part of the fire and life safety arrangements. Could be installed earlier, but would be prone to damage.
TP02-14	FPP LV containment	Installed by the electrical contractor. Containment for the LV cables (installed from a LV switch room) that supply the main control panels. And from the main control panels to supply the control panels provided and installed by the fire protection contractor. Generally the electrical installation will be the lowest M&E service and is therefore dependant on the pipework completion.

Template Programme TP02 - Fire Protection Plant Room

Activity ID	Activity Description	Predecessors / Comments
TP02-15	FPP Sprinkler BMS interface connections	Requires the fire protection contractor to have his control panels installed. The BMS 1st fix would form part of a general installation of the whole floor.
TP02-16	FPP Sprinkler fire alarm interface connections	Interface with the fire and life safety arrangements and will require all control panels to be installed. The fire alarm 1st fix would form part of a general installation of the whole floor.
TP02-17	Basement sprinkler pipework complete & tested	Progress identification milestone for the sprinkler pipework.
TP02-18	FPP Sprinkler control interfaces complete	Signifies that the sprinkler plant, control and BMS wiring and associated control panels are all terminated and available for testing / commissioning.
TP02-19	Riser sprinkler pipework complete & tested	Progress identification milestone for the sprinkler pipework.
TP02-20	FPP water supply available	Required for filling the storage tanks, but not critical because they could be filled by other means if necessary.
TP02-21	FPP LV cable terminations	Carried out by the electrical contractor. Refers to termination of the LV cables into the changeover / control panels provided by the electrical contractor, and the control panels that are provided and installed by other contractors. The actual LV cable installation will form part of a separate LV electrical switch room template programme. This LV cable termination activity will be a successor to that cable installation.

General Notes:

- 1 To be read in conjunction with the Basement Level B3 Plant Room Layout
- 2 For better clarity only the installation activities for the sprinkler "system" have been included. These activities need to be replicated for the wet riser "system" installation, the plant for which is also located in the Fire Protection Plant Room (in this particular instance).