

Activity ID	Description	Duration	WEEK																										
			-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
<b>Car Park Supply Air Plant Room</b>																													
TP04-01	Car park supply air P/room (CPS) Av. for Com.	0		◆																									
TP04-02	Deliver & position car park supply air fans 1-4	1w					■																						
TP04-03	Car park supply air P/room attenuators / plenums	1w						■																					
TP04-04	CPS Car park supply air P/room D/work &	1w							■																				
TP04-05	CPS Car park / toilet intake ductwork from L/Bay	2w								■	■																		
TP04-06	CPS Toilet supply intake ductwork	1w									■																		
TP04-07	CPS Basement supply air ductwork	1w										■																	
TP04-08	CPS Basement extract ductwork	1w											■																
TP04-09	Del & Pos CPS supply fans 1-4 control panels	1w											■																
TP04-10	CPS Car park supply air plant wiring & Terms	2w												■	■														
TP04-11	Car park supply air Lev. B2 D/work testing Comp.	0																◆											
TP04-12	Car park supply air plant room LV containment	1w																		■									
TP04-14	Car park supply air BMS interface connections	1w																			■								
TP04-13	Car park supply air Lev. B1 D/work testing Comp.	0																			◆								
TP04-15	Car park supply level B3 D/work testing complete	0																					◆						
TP04-16	Car park supply P/room control interfaces Comp.	0																					◆						
TP04-17	Car park supply air LV cable terminations	1w																											■

### Template Programme TP04 - Car Park Supply Air Plant Room

Activity ID	Activity Description	Predecessors / Comments
TP04-01	Car park supply air P/room (CPS) Av. for Com.	Identification of the commencement date. Plinths constructed and painted. Walls built, access available, area dry and free of debris etc.
TP04-02	Deliver & position car park supply air fans 1-4	The plinths would have to be constructed and sealed prior to the delivery of these four fans. The fans are arranged as two sets of twin fans mounted side by side on a steel frame. The ductwork could commence prior to the fan deliveries, but this could necessitate the insertion of additional ductwork make-up sections. These fans are not fire-rated.
TP04-03	Car park supply air P/room attenuators / plenums	The installation of the attenuators, plenums, dampers and ductwork within the plantroom, for connections onto the incoming and outgoing ductwork. Should follow the positioning of the fans, but could precede fan delivery depending on manufacturing period. The attenuators baffle the noise of the fans and are linked to them by a collar (that could be made of tin or flexible material). The plenums spread the ductwork connections both in to and out of the plant room.
TP04-04	CPS Car park supply air P/room D/work & dampers	Ductwork and dampers (the dampers control the air flow in both normal and emergency conditions) installed within the plant room from the plenum to the external ductwork that feeds the car park areas. And also from the plenum to the ductwork in the intake riser.
TP04-05	CPS Car park / toilet intake ductwork from L/Bay	This ductwork draws fresh outside air from an area adjacent to the loading bay. This supply air source is also used to feed the Toilet supply air AHU. The work that this activity describes does not actually take place within the plant room. But because it does not traverse through other "areas" and there would be no point in creating a separate "area" just for this item it is OK to record this activity in the plant room that it serves. Alternatively it could be included in a group of basement ventilation risers.
TP04-06	CPS Toilet supply intake ductwork	This refers to the installation of the toilet intake ductwork, which in this instance is supplied from the same intake riser as the car park supply air plantroom. This ductwork has nothing to do with the car park supply air "system", but does form part of the plant room installation sequence.
TP04-07	CPS Basement supply air ductwork	Supply air ductwork common to all basement plant rooms.
TP04-08	CPS Basement extract ductwork	Extract ductwork common to all basement plant rooms.
TP04-09	Del & Pos CPS supply fans 1-4 control panels	Provided by the ventilation contractor's supplier. There will be one control panel for each pair of fans. The overall control of the fans and the sequence of operation will be determined by the BMS.
TP04-10	CPS Car park supply air plant wiring & Terms	Containment and wiring installed, terminated and tested by the ventilation contractor. Requires the prior delivery and installation of the fans and associated control panels. It also refers to any local controls and wiring associated with the plant such as ductwork sensors and dampers.
TP04-11	Car park supply air Lev. B2 D/work testing Comp.	Progress identification milestone for the basement level B2 ductwork.
TP04-12	Car park supply air plant room LV containment	Installed by the electrical contractor. Containment for the LV cables (installed from a LV switch room) that supply the car park supply air control panels that are provided and installed by the ventilation contractor. Generally the electrical installation will be the lowest M&E service and is therefore dependant on the ductwork completion.

**Template Programme TP04 - Car Park Supply Air Plant Room**

<b>Activity ID</b>	<b>Activity Description</b>	<b>Predecessors / Comments</b>
TP04-13	Car park supply air Lev. B1 D/work testing Comp.	Progress identification milestone for the basement level B1 ductwork.
TP04-14	Car park supply air BMS interface connections	Requires the ventilation contractor to have his control panels and control devices installed. The BMS 1st fix would form part of a general installation of the whole floor.
TP04-15	Car park supply level B3 D/work testing complete	Progress identification milestone for the basement level B3 ductwork.
TP04-16	Car park supply P/room control interfaces Comp.	Signifies that the car park supply air fans, control and BMS wiring and associated control panels are all terminated and available for testing / commissioning.
TP04-17	Car park supply air LV cable terminations	Carried out by the electrical contractor. Refers to termination of the LV cables into 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 Figure 1.2 and the High Level B3 & Basement Level B2 Plant Room Layout