

MECHANICAL DESIGN REVIEW CHECKLIST

Plot No.		Date		
Location				
Owner		Consultant		
CONSULTANT SUBMISSION CHECKLIST		CONSULTANT		
ITEMS	HVAC System	YES	NO	N/A
1	Heat load calculation (only in HAP E3A file)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Ventilation calculation and Ventilation schematic riser diagram (As per green building code 401)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Building U value calculation (insulation shall be as per latest DCD code/DM circular 214)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Building Glazed schedule - Fenestration performance Requirements (as per green building code 501)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	AC thermal summary sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Chilled water schematic riser diagram as applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	HVAC drawings and HVAC equipment schedules	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Car parking Section showing clear height under MEP services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Retails and F&B functionality to be well defined	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	Distance between EA / FA louver or EA and occupied area to be clearly shown in drawing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	CFD analysis report for cooling tower vaporization air movement during a year (not applicable if cooling tower located at roof floor)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEMS	DRAINAGE SYSTEM	YES	NO	N/A
1	Drainage discharge calculation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Drainage raiser diagram	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Drainage general notes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Drainage drawings for all floors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Section for drainage pipes running through electrical rooms(LV,HV...etc.) the same shall be as per DEWA guideline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Storm water holding tank calculation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Sewerage Holding tank calculation if any	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Soak away calculation if any	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Setting out plan including the following : Manhole schedule, FIC & HC section and Approval from master developer on sewerage connection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	Condensate drainage riser diagram	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEMS	WATER SUPPLY	YES	NO	N/A
1	Roof plan showing solar panels for water heating including calculation sheet except residential & commercial buildings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CONSULTANT DETAILS			
NAME		SIGNATURE & DATE	
LICENSE NO.			
TEL		STAMP	
MOBILE			