

HVAC verification checklist For Industrial buildings

Project Information			
Community Name (as per TKS Site Plan)			
Plot No. (as per TKS Site Plan)		Project ID	P-

Checklist for HVAC verification		Yes	No	Remarks
General Documents				
1	MEP Consultant License *			
2	Consultant Accreditation Card/ Yellow- Code			
3	Project Brief Report			
TECHNICAL REVIEWING CHECKLIST, as per Building Regulations & Design Guidelines - MEP				
4	HVAC layout in details.			
5	Ventilation layout included the design parameters /calculations as per ASHRAE Standard and Green Building Regulation.			
6	Smoke management layout / strategic plans as per DCD.			
7	Schematic layout of building envelope HVAC			
8	Summary of thermal load calculations as per the latest D.M. relevant circulars (Two Selection) and Thermal load calculations by HAP or equal approval (Input / output data in pdf)			
9	Glazed Elements – Fenestration performance Requirements (Window schedule) as per the latest version by D.M.			
10	U -Value calculations (Wall sections) as per the latest version by D.M.			
11	Fresh air parameters/ Heat Recovery calculations as per ASHRAE Standard, BRDG and Green Building regulation			
12	Chilled waters pumps (design data and performance), Heat exchangers (LMTD, Ratio, efficiency) and Cooling tower (If applicable).			
13	Energy consumption estimation and preservation scenarios /Control as per Green Building			
14	Confirmation Letter from the client is required to indicate which type of materials stored in the warehouses and manufacturer, requirements for all equipment such as (temperature, relative humidity, air conditioning, etc.) and confirm there shall be no hazardous materials or chemicals stored in the warehouses.			

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Abbreviations:

BRDG: Trakhees Building Regulations & Design Guidelines - MEP
DCD: Dubai Civil Defense
D.M.: Dubai Municipality
ASHRAE: American Society of Heating, Refrigeration & Air Conditioning Engineers
SMACNA: Sheet Metal and Air Conditioning Contractors National Association

Note:

- All Drawings and required documents in PDF format should be provided within title block and to be stamped and signed by the main consultant.
- (*) Business license of the Main Consultant sufficient if it has MEP staff, otherwise MEP trade license is mandatory required.

Declaration

- We hereby confirm that all above technical aspects have been properly checked in compliance with Trakhees Regulations & Design Guidelines-MEP as well as all related local & International standards. Complete coordination has been insured between all submitted displays and we are fully responsible for incompliance.
- If any delay occurs due to incorrect information provided by us in the submitted checklist we hold ourselves solely responsible for the delay.
- We are liable for any legal obligations which may occur due to invalid / tampered documents being submitted along with this application.
- We the (consultant) office/firm responsible for the design and supervision of the project specified above, undertake to follow and comply with International Standards (ASHRAE, SMACNA) and Local Regulations.
- We the (Consultant) office/firm hereby commit to meeting the full requirements of the TRAKHEES regulations for insulation, glazing and thermal components and all insulation used in the wall sections should be certified by DCL (Dubai Central Lab) and full compliance with the latest relevant circular by D.M., and we accept that a Building Completion will not be issued until full evidence of compliance is demonstrated to TRAKHEES.

Date

Authorized Engineer Name & Signature