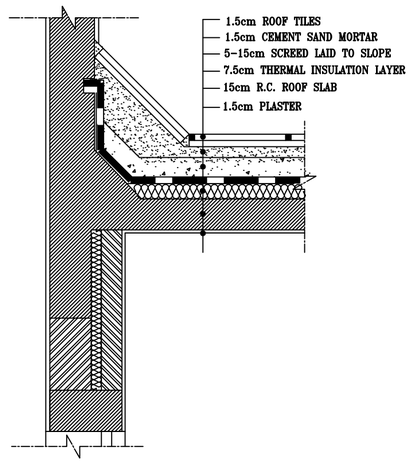
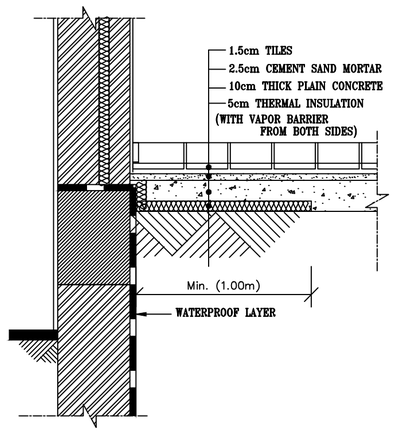
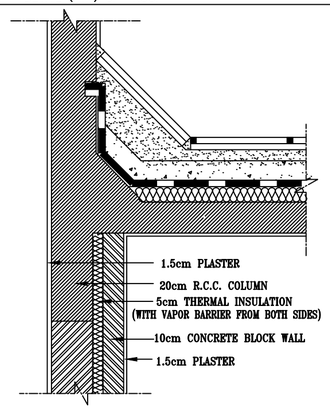


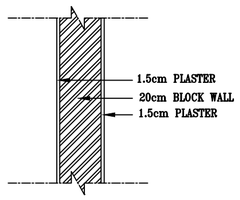
DETAIL (1A) OF ROOF



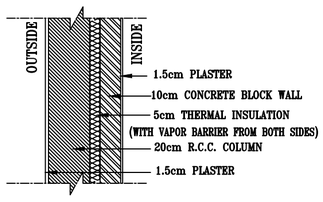
DETAIL (5A) OF GROUND FLOOR



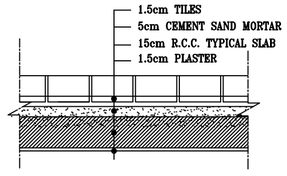
DETAIL (2A) OF DROP BEAMS



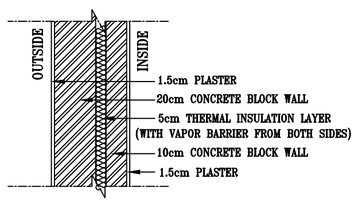
DETAIL (6A) OF PARTITION



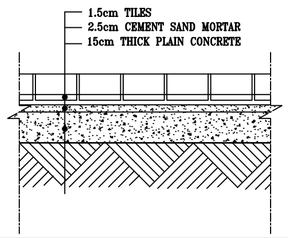
DETAIL (3A) OF EXTERNAL COLUMN



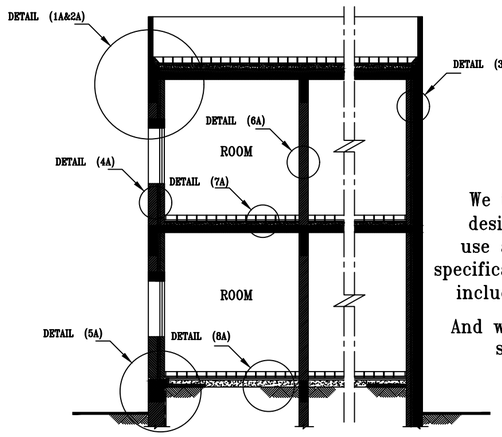
DETAIL (7A) OF TYPICAL FLOOR



DETAIL (4A) OF EXTERNAL WALL



DETAIL (8A) OF NON INSULATED GROUND FLOOR



SECTION

The minimum EER of the HVAC equipments must be in accordance with Dubai Building Code

AC Thermal Load	=	Total Area (m^2) x	0.160
	=	m^2 x	0.160
kW	=	kW	

AC Electric Power Demand	=	Total Area (m^2) x	0.077
	=	m^2 x	0.077
kW	=	kW	

Where the total area is the total built up area excluding non AC car park or external swimming pool

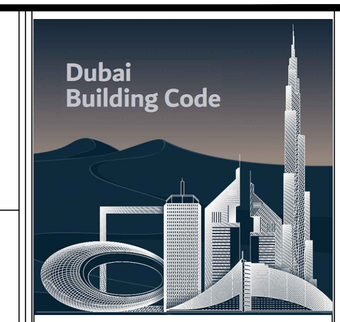
Notes and Conditions:

- The above two equations are applicable for DX air conditioning system only. If another system is being used (like chilled water, or variable refrigerant flow VRF), then all VAC drawings, glazing element schedule, AC load schedule, AC load calculation program should be attached as per DBC.
- Consultant must confirm prior to approving or installing AC units in the site that the electric demand load for AC units doesn't exceed the allowed and approved load. If extra load is required, then all VAC drawings, glazing element schedule, AC load schedule, AC load calculation program should be attached as per DBC.
- An approved insulated aluminium sandwich panel (applied for roof) is used and illustrated on the architectural sections and details (if being used).
- The U-value, SC, and LT must comply with DBC.
- Mechanical ventilation, air quality and noise level must comply with DBC.
- All indoor AC units to be located in wet areas to ease the maintenance and avoid damages due to AC drain leackage otherwise client written approval is required.

Undertaking Letter for Insulation

We the (consultant/contractor) responsible for the design and supervision of the project undertake to use approved thermal insulation materials and glass specifications as indicated in the sections and schedules including approved systems and installation methods.

And we commit that the attached thermal insulation sections are matching the architectural and structural details.



1

NO.	REVISION	DATE	APP.

JOB NO.

JOB TITLE :

OWNER NAME :

DRG TITLE :

LOCATION | BLOCK NO :- | PLOT NO :-

DESIGNED BY:	SCALE:
DRAWN BY:	DATE:
CHECKED BY:	DRG NO.:

No.	Date:	Name:	Description:		
1	13/10/2020	CAVITY WALL SYSTEM 35cm	Type 1		THERMAL INSULATION SYSTEM DETAILES