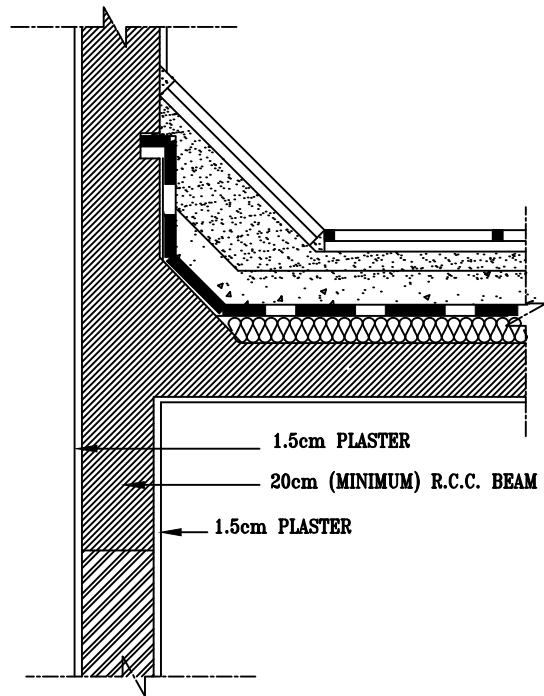
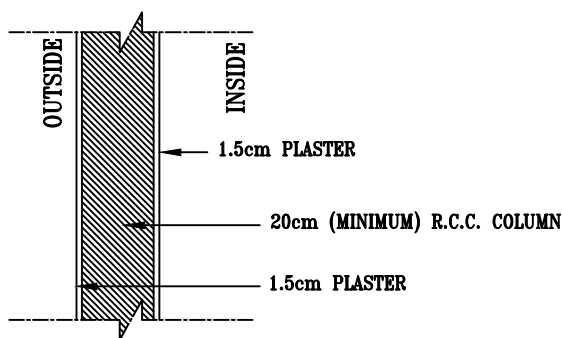


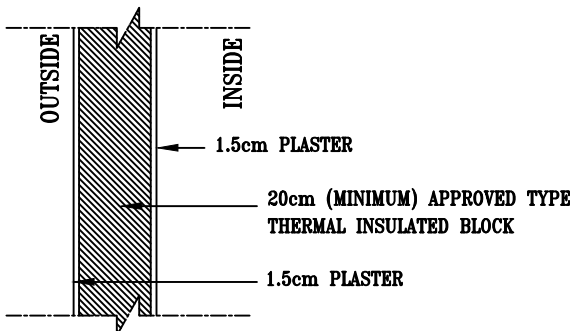
DETAIL (1A) OF ROOF



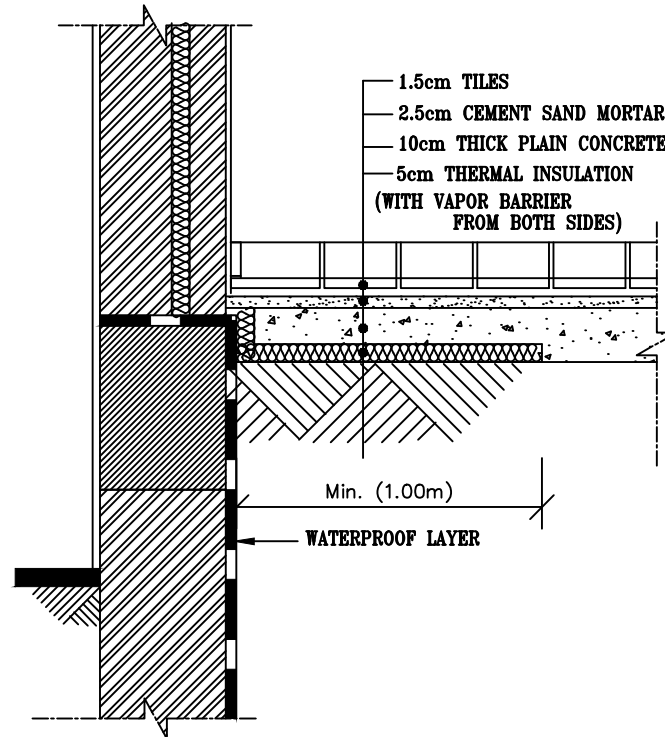
DETAIL (2A) OF DROP BEAMS



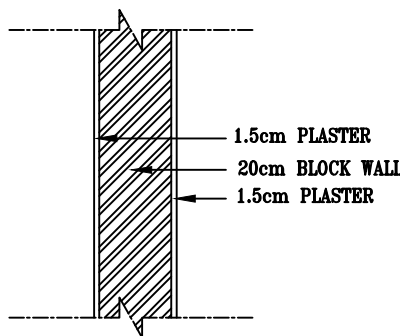
DETAIL (3A) OF EXTERNAL COLUMN



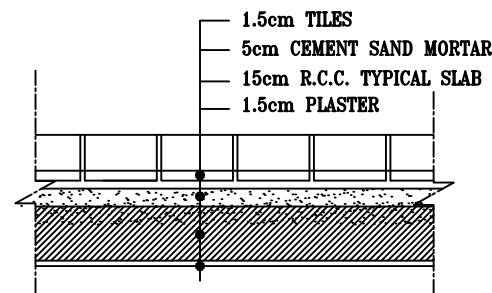
DETAIL (4A) OF EXTERNAL WALL



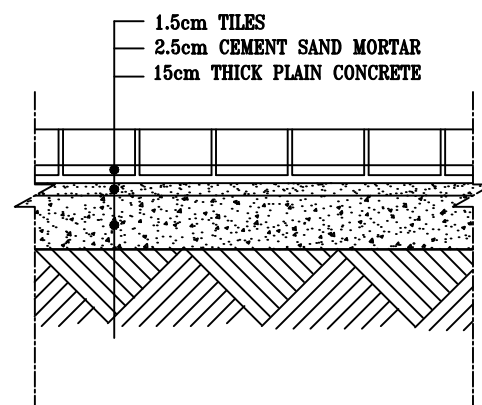
DETAIL (5A) OF GROUND FLOOR



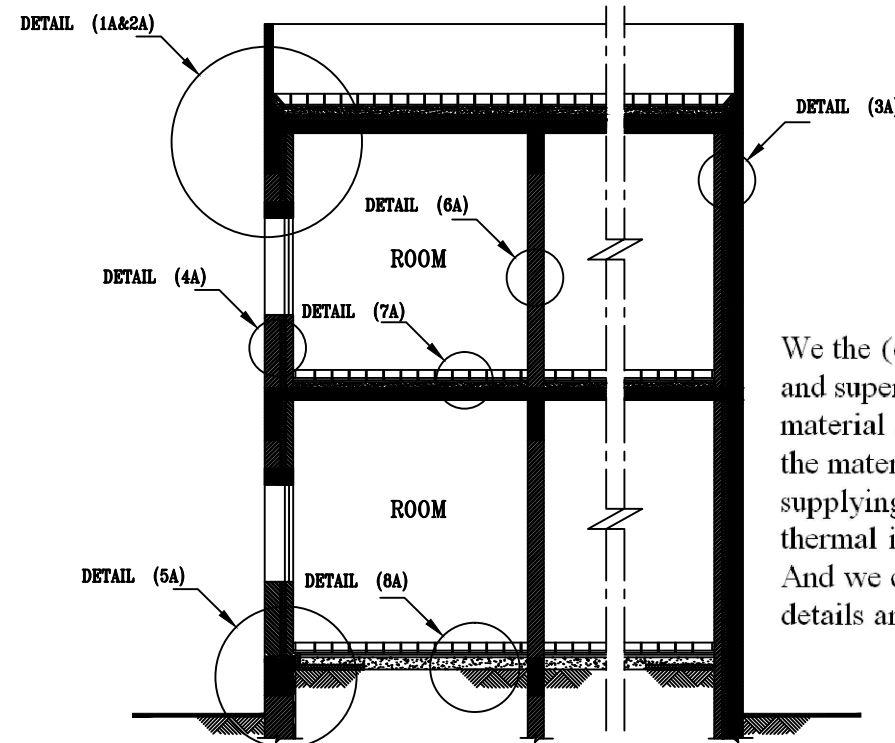
DETAIL (6A) OF PARTITION



DETAIL (7A) OF TYPICAL FLOOR



DETAIL (8A) OF NON INSULATED GROUND FLOOR



SECTION

IMPORTANT NOTES

- The details and insulation materials given are indicative. Consultant to modify as per his design requirement.
- Consultant and contractor must approve the insulation system and materials form Building and Housing Department and Dubai Central Lab before supplying them to site according to the flow chart of approving thermal insulation material.

- AC system is DX (with minimum EER 9.5 T1, 6.6 T3)

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 the Dubai Green Building Regulations and Specifications (DGBRS).
- 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 DGBRS.
- 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 DGBRS.
- Mechanical ventilation, air quality and noise level must comply with DGBRS.
- All indoor AC units to be located in wet areas to ease the maintenance and avoid damages due to AC drain leakage otherwise client written approval is required.



7

NO.	REVISION	DATE	APP.
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JOB NO.

JOB TITLE :

OWNER NAME :

DRG TITLE :

LOCATION	BLOCK NO :-
	PLOT NO :-

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

THERMAL INSULATION
SYSTEM DETAILS

No.	Date:	Name:
7	8/3/2016	NON INSULATED BEAM / COLUMN WITH APPROVED THERMAL BLOCK