

PROJECT: PROPOSED MODIFICATION DRAWINGS OF -



AT TH. THIMARAFUSHI

CLIENT: TH. THIMARAFUSHI COUNCIL

DATE: MARCH 2026

DESIGN BY:



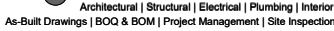
Email - vtwin.info@gmail.com

Mobile - 9966077

ARCHITECTURAL & ENGINEERING SERVICES

Architectural | Structural | Electrical | Plumbing | Interior

As-Built Drawings | BOQ & BOM | Project Management | Site Inspection



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- ☐ CONCEPT DESIGN
- ☒ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT DRAWINGS

THIMARAFUSHI COUNCIL

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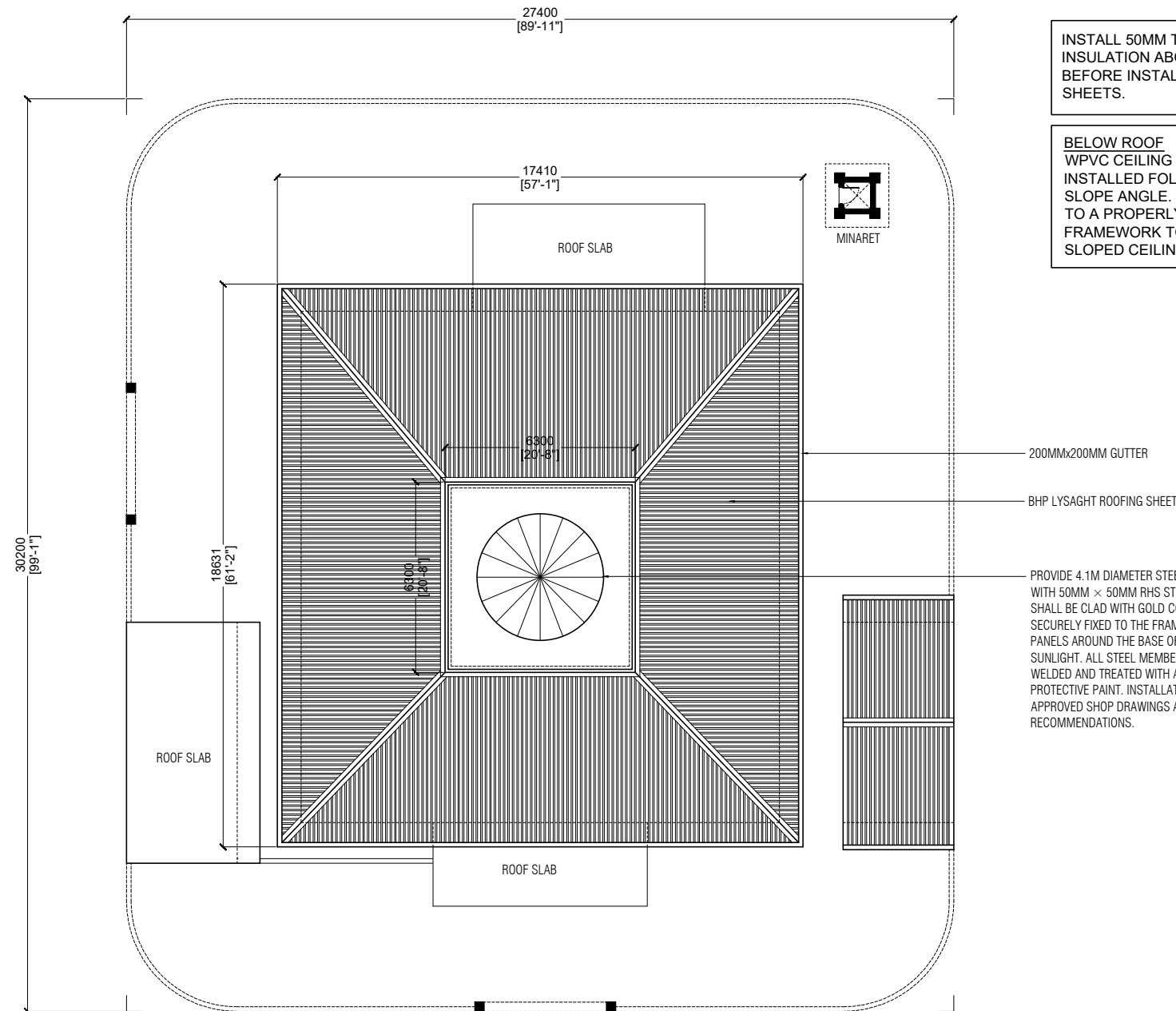
ARCHITECT:

6 / 03 / 2026

02

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[illegible]



INSTALL 50MM THICK ROCK WOOL INSULATION ABOVE THE CEILING BEFORE INSTALLATION OF ROOFING SHEETS.

BELOW ROOF
WPVC CEILING PANELS SHALL BE
INSTALLED FOLLOWING THE ROOF
SLOPE ANGLE. PANELS SHALL BE FIXED
TO A PROPERLY ALIGNED SUPPORTING
FRAMEWORK TO MAINTAIN A UNIFORM
SLOPED CEILING SURFACE.

— 200MMx200MM GUTTER

— BHP LYSAGHT ROOFING SHEET

— PROVIDE 4.1M DIAMETER STEEL DOME CONSTRUCTED WITH 50MM x 50MM RHS STEEL FRAMEWORK. DOME SHALL BE CLAD WITH GOLD COLOR METAL CLADDING SECURELY FIXED TO THE FRAME. PROVIDE FIXED GLASS PANELS AROUND THE BASE OF THE DOME FOR NATURAL SUNLIGHT. ALL STEEL MEMBERS SHALL BE PROPERLY WELDED AND TREATED WITH ANTI-RUST PRIMER AND PROTECTIVE PAINT. INSTALLATION SHALL FOLLOW APPROVED SHOP DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS.

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DESIGN STAGE

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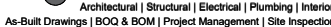
DRAWING NO:

03

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DESIGN STAGE

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PROJECT



ARCHITECT

ARCHITECT CHECKER:

ENGINEER

ENGINEER CHECKER:

DATE _____

16 / 03 / 2026

DRAWING NO

GENERAL NOTES

- [illegible]



DESIGN STAGE

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☐ AS-BUILT DRAWINGS

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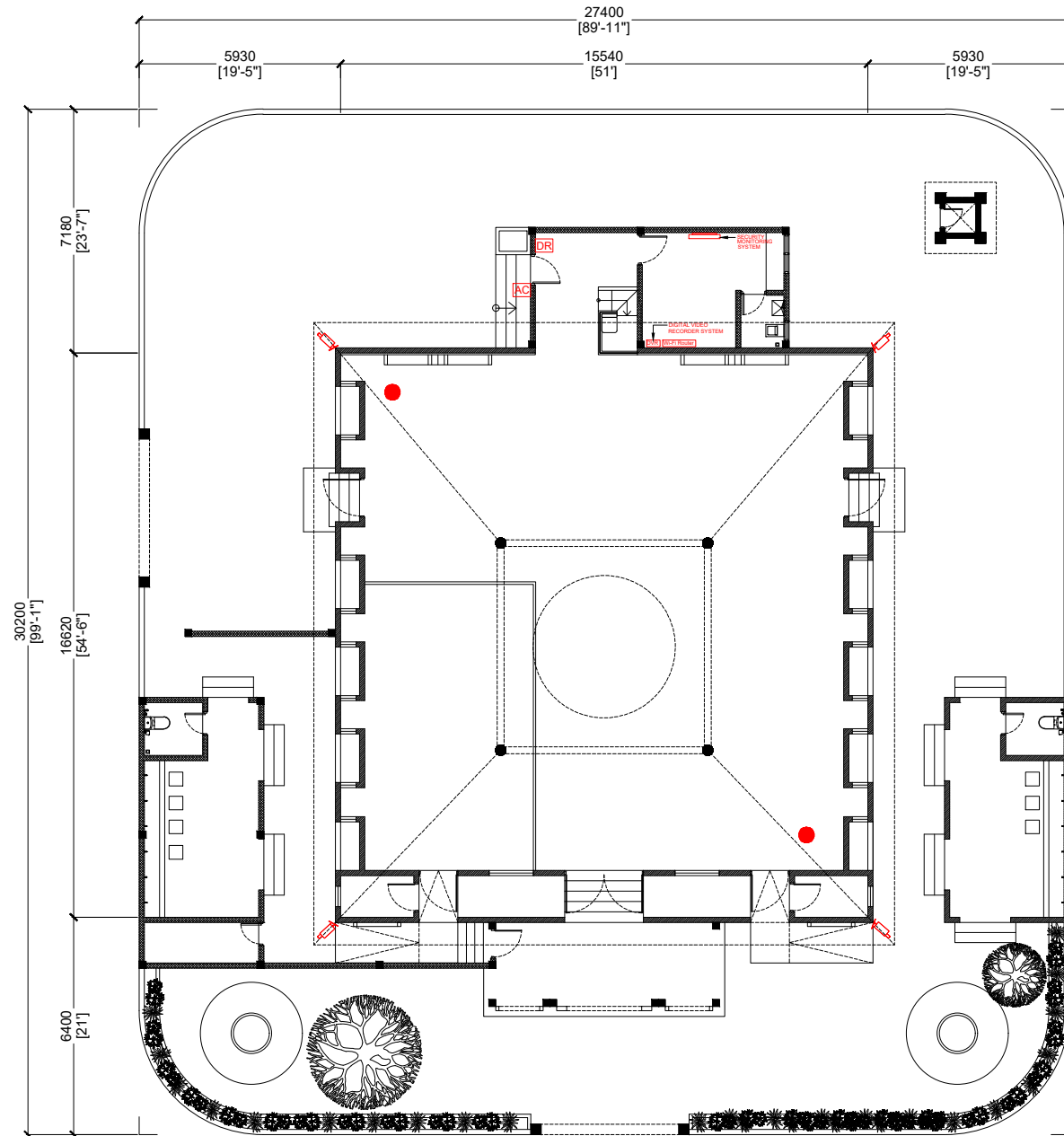
05

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6 - CONTRACTOR SHALL PROVIDE AS BUILT & EQUIPMENT MAINTENANCE MANUAL UPON WORK COMPLETION

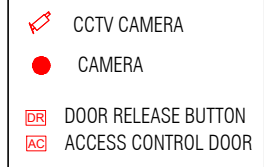




NOTE

CAMERA SHALL BE IP, SHALL INCLUDE REQUIRED
SIGNAL CABLES AND POWER CABLES

- . DVR TO HAVE MIN 2 MONTHS RECORDING CAPACITY
- . COLOUR MONITORS (LED)
- . ALL CAMERA IP65 RATED, SHOULD BE NIGHT VISION CAPABLE
- . BACK UP BATTERY OF MIN 6 HOURS SHALL



NOTE :-

- 1- ALL WIRING FOR LIGHT POINTS / POWER POINTS AND CIRCUITS SHALL BE AS PER MALDIVES ENERGY AUTHORITY (MEA) REGULATIONS.
- 2- ALL LIGHTS MUST HAVE 1 SWITCH PER LIGHT.
- 3-SAMPLES OF ALL FIXTURES AND FITTINGS SHALL BE SUBMITTED FOR PROJECT MANAGER'S APPROVAL BEFORE INSTALLATION.
- 4-BEFORE COMMENCEMENT OF WORK, CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR:- CONDUIT PLANS IN RC SLABS. - CABLE TRAY LAYOUTS. - ALL FIXTURES, FIXINGS AND INSTALLATIONS.
- 5-LOCATION OF SWITCHES AND POWER SOCKETS SHALL BE MARKED ON SITE AND APPROVED BY PROJECT MANAGER BEFORE RELEVANT WALL CUTTING OR CONDUIT ON SITE.
- 6-SOCKETS REQUIRED FOR AC UNITS SHOWN IN AIR CONDITIONING DRAWINGS. SOCKET TO BE CONNECTED TO RESPECTIVE METER
- 7- ALL SOCKETS TO BE INSTALLED AT 450MM HEIGHT FROM FFL
- 8- ALL SWITCHES AND FAN DIMMERS SHALL BE INSTALLED AT 1200MM HEIGHT FROM FFL

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06

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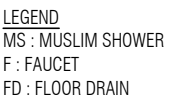
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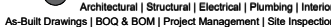
07

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[illegible]

SCALE - 1:200

ALL PLUMBING WORK SHALL COMPLY WITH LOCAL PLUMBING CODES AND REGULATIONS.
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE INSTALLATION.
ALL MATERIALS AND FIXTURES SHALL BE NEW AND APPROVED QUALITY.
PROVIDE VALVES FOR ALL EQUIPMENT AND FIXTURES FOR MAINTENANCE.
ALL PIPES SHALL BE PROPERLY SUPPORTED AND PROTECTED.
DRAINAGE PIPES SHALL BE INSTALLED WITH PROPER SLOPE.
ALL CONCEALED PIPES SHALL BE PRESSURE TESTED BEFORE COVERING.
PROVIDE CLEANOUTS AND ACCESS PANELS WHERE REQUIRED.
COORDINATE PLUMBING WORK WITH ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL DRAWINGS.
ANY DISCREPANCIES SHALL BE REPORTED TO THE CONSULTANT BEFORE PROCEEDING.
IF YOU'D LIKE, I CAN ALSO PROVIDE:



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ENGINEER

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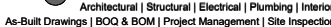
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GENERAL NOTES:

- [illegible]



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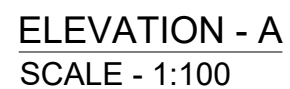
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09

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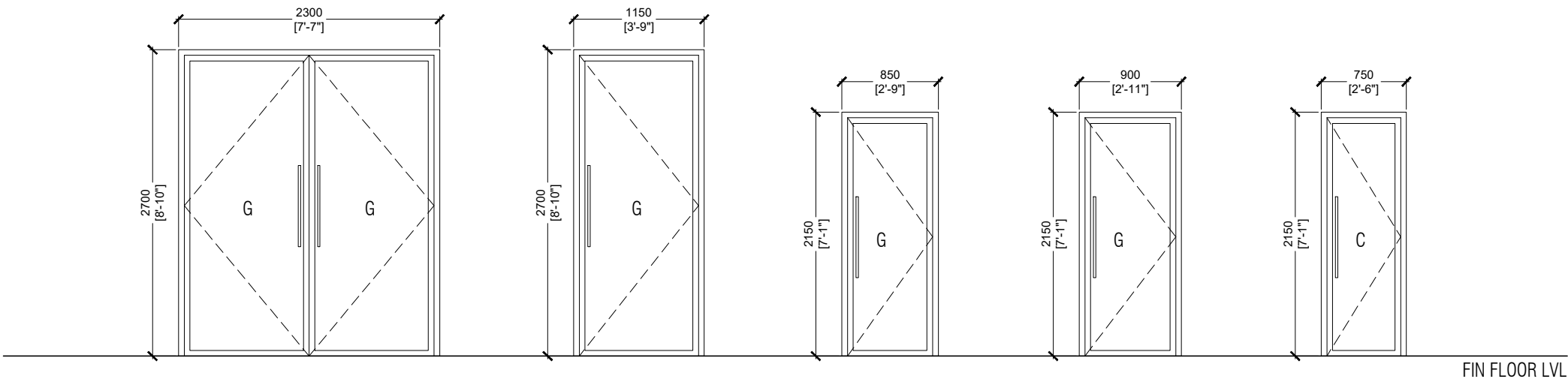
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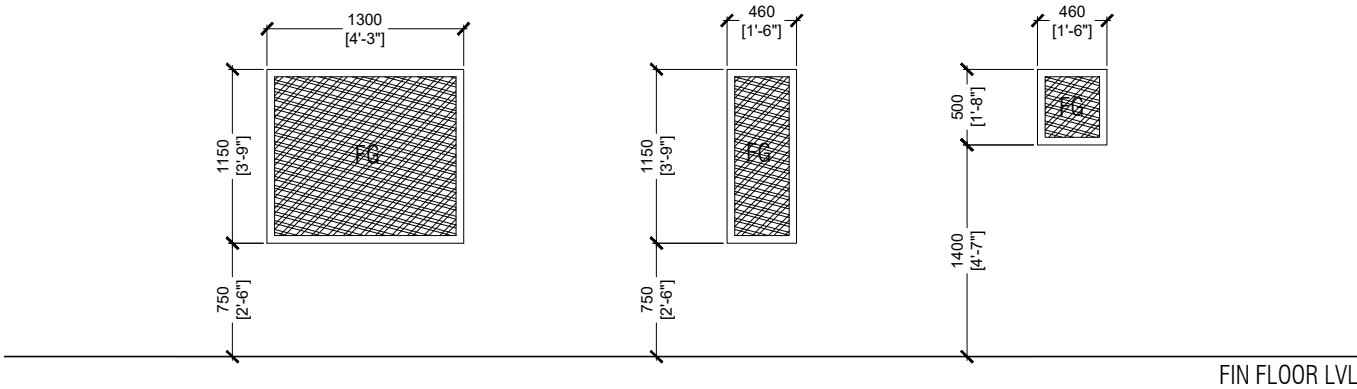
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[illegible]

	D1	D2	D3	D4	D5
FRAME	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM
FINISHING	POWDER COAT	POWDER COAT	POWDER COAT	POWDER COAT	POWDER COAT
GLAZING	6MM THICK CLEAR GLASS	6MM THICK CLEAR GLASS	6MM THICK CLEAR GLASS	6MM THICK CLEAR GLASS	6MM THICK CLEAR GLASS



	W1	W2	V1
FRAME	ALUMINUM	ALUMINUM	ALUMINUM
FINISHING	POWDER COAT	POWDER COAT	POWDER COAT
GLAZING	6MM THICK CLEAR GLASS	6MM THICK CLEAR GLASS	6MM THICK CLEAR GLASS

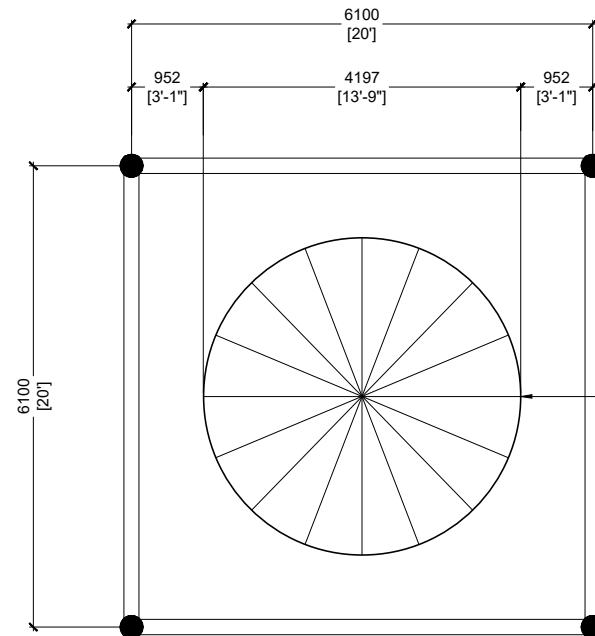
ALL GLASS PANELS SHALL BE
FITTED WITH ISLAMIC-PATTERN
STICKERS, SUBJECT TO
APPROVAL BY THE LOCAL
COUNCIL/AUTHORITY PRIOR
TO INSTALLATION.

DOOR AND WINDOW DETAILS

SCALE - 1:50

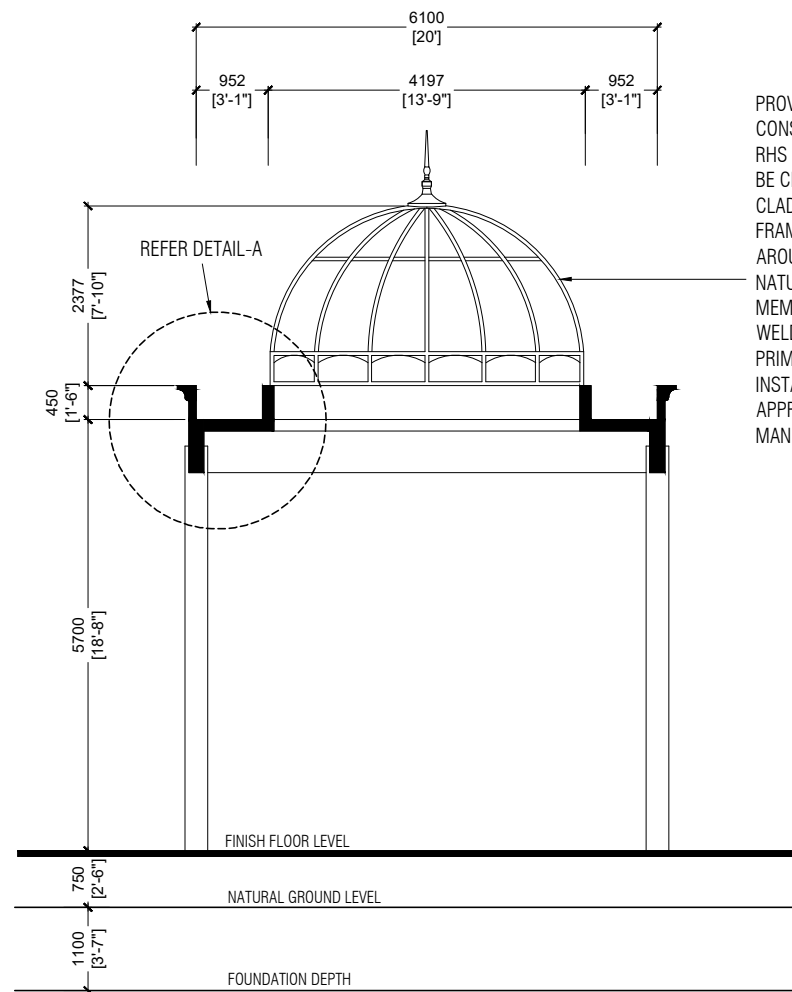
KEY

- C - CLADDING
G - GLASS PANELS WITH ISLAMIC DESIGN PATTERN
FG - FIXED GLASS WITH ISLAMIC DESIGN PATTERN



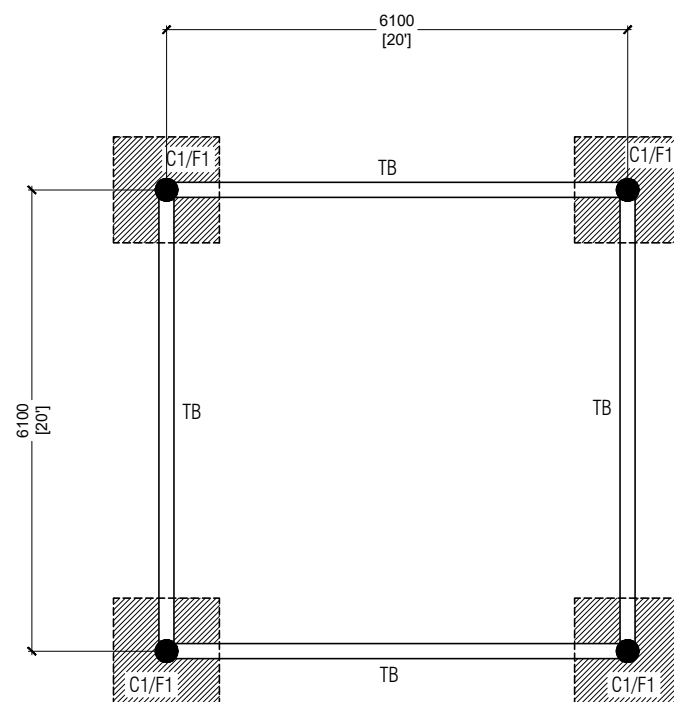
PROVIDE 4.1M DIAMETER STEEL DOME CONSTRUCTED WITH 50MM $\times$ 50MM RHS STEEL FRAMEWORK. DOME SHALL BE CLAD WITH GOLD COLOR METAL CLADDING SECURELY FIXED TO THE FRAME. PROVIDE FIXED GLASS PANELS AROUND THE BASE OF THE DOME FOR NATURAL SUNLIGHT. ALL STEEL MEMBERS SHALL BE PROPERLY WELDED AND TREATED WITH ANTI-RUST PRIMER AND PROTECTIVE PAINT. INSTALLATION SHALL FOLLOW APPROVED SHOP DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS.

GROUND FLOOR - DOME PLAN
SCALE - 1:100

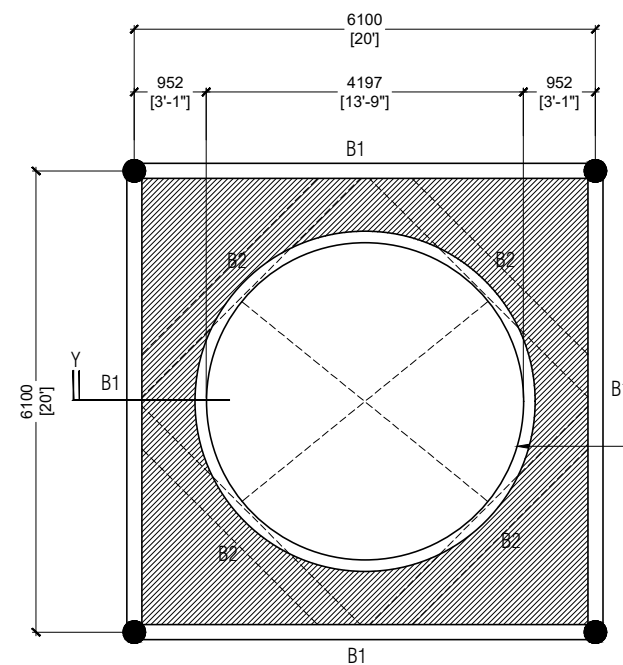


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GROUND FLOOR - DOME CROSS SECTION
SCALE - 1:100



FOUNDATION PLAN - DOME
SCALE - 1:100



NOTE:
SLAB THICKNESS = 150MM
TOP & BOTTOM REINFORCEMENT : T10@150 C/C BW

STEEL DOME STRUCTURE SHALL BE FIXED TO THE REINFORCED CONCRETE CIRCULAR RING BEAM WITH STEEL BASE PLATES AND ANCHOR BOLTS AS PER APPROVED STRUCTURAL AND SHOP DRAWINGS.

ALL STEEL MEMBERS SHALL BE PROPERLY ALIGNED, WELDED, AND FINISHED WITH ANTI-CORROSION COATING BEFORE INSTALLATION.

DIMENSIONS AND LEVELS SHALL BE VERIFIED ON SITE PRIOR TO FABRICATION AND FIXING.

CONTRACTOR SHALL COORDINATE WITH STRUCTURAL DRAWINGS
AND OBTAIN APPROVAL BEFORE INSTALLATION.

ROOF BEAM PLAN - DOME
SCALE - 1:100

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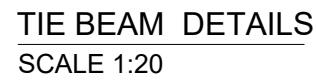
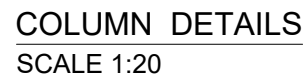
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12

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[illegible]



FLOOR BEAM DETAILS

SCALE 1:20

[illegible]

1. STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL & ELECTRICAL DRAWINGS, TECHNICAL SPECIFICATIONS AND INSTRUCTIONS ISSUED DURING THE CONSTRUCTION. ANY DISCREPANCIES SHALL BE INFORMED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
2. STRUCTURAL DRAWINGS SHALL NOT BE SCALED. ALL MEASUREMENTS RELEVANT TO THE SETTING OUT AND OFF-SITE SHALL BE VERIFIED BEFORE FABRICATION AND CONSTRUCTION.
3. DURING THE CONSTRUCTION PERIOD THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE STABILITY OF STRUCTURE AND SHALL NOT BE OVERLOADED (OVER STRESSED) BY ANY ACTIVITY.
4. WORKMANSHIP AND MATERIALS SHALL BE, UNLESS OTHERWISE, STATED TO MALDIVIAN CODE OF PRACTICE OR RELEVANT BRITISH CODE, INCLUDING ALL AMENDMENTS AND THE AMENDMENTS AND THE LOCAL STATUTORY AUTHORITIES REGULATIONS, UNLESS OTHERWISE STATED IN THE CONTRACT DOCUMENT.
5. CONTRACTOR SHALL PRODUCE NECESSARY SHOP DRAWINGS AND SPECIFICATIONS FOR APPROVAL OF THE ENGINEER.
6. ALL THE DIMENSIONS OF THE STRUCTURAL DRAWINGS ARE IN MILLIMETERS AND ALL THE LEVELS ARE IN METRES.
7. REINFORCED CONCRETE DESIGNS ARE BASED ON BS8110
8. STEEL FRAMING HAS BEEN DESIGNED AS PER BS5950
9. REFER TO STANDARD AND TYPICAL DETAILS AS SHOWN IN TYPICAL DRAWINGS FOR DETAILS SPECIFICALLY NOT SHOWN.
10. ALL FORM WORK AND PROPS PROVIDED FOR BEAMS, SLABS AND WALLS, IF ANY, SHALL BE REMOVED COMPLETELY, TO THE SATISFACTION OF THE ENGINEER, BEFORE ANY MASONRY WALLS OR OTHER PERMANENT LOADING ON THE SLAB DONE.
11. ALL NON-LOAD BEARING WALLS SHALL BE KEPT CLEAR OFF THE UNDERSIDE OF SLAB BY 30MM, THE JOINT SHALL BE FILLED WITH FIBER BOARD WITH EXPEDITE PRESSED METAL COVERING BOTH SIDE OF THE JOINT. AND THE METAL COVERING SHALL BE FIXED TO THE OFFSITE OF THE BEAM OR SLAB AS THE CASE MAY BE.
12. UNLESS OTHERWISE NOTED ALL PARTITIONS SHALL BE SOLID BLOCK WALLS WITH DIMENSIONS 50X100X200 WITH WIDTH OF BLOCK WORK AS 100 FOR ALL THE INTERNAL WALLS.
13. COMPACT EARTH BEFORE PLACING THE LEAN CONCRETE.
14. ALL FORM WORK USED FOR CONCRETING SHALL BE PROPERLY CLEANED, ALIGNED AND SHALL HAVE LEVEL SURFACE.
15. APPROVED QUALITY FORM OIL SHALL BE APPLIED TO ALL FORM BEFORE CONCRETING.
16. APPROPRIATE WATER PROOFING ADMIXTURES SHALL BE USED WHENEVER REQUIRED WITH APPROVAL OF THE ENGINEER TO CONCRETE BELOW GROUND, SLABS AT WET AREAS AND TERRACES.
17. TO FIX FORM WORK TO THE STRUCTURE OR FOR ANY OTHER REASONS NO NAILS OR STUDS SHALL BE DRIVEN TO HARDENED CONCRETE.

1. UNLESS OTHERWISE STATED SPECIFICALLY, ALL IN-SITU STRUCTURAL CONCRETE SHALL HAVE MINIMUM 28 DAYS CUBE STRENGTH OF 25N/MM².

2. ALL PLAIN CONCRETE (OR BLINDING, OR LEAN) SHALL HAVE MINIMUM 28 DAYS STRENGTH OF 15N/MM², UNLESS MIX RATIOS ARE GIVEN.

3. MINIMUM CLEAR COVERS (MM) TO ALL REINFORCEMENT, UNLESS OTHERWISE STATED.

<u>ELEMENT</u>	<u>REQUIRED COVER (MM)</u>
FOUNDATION	50
COLUMN	40
BEAMS	30
SUSPENDED SLAB	25 (FOR INDOOR)
30 (FOR OUTDOOR)	
WALLS	40 (FOR OUTDOOR)
25 (FOR INDOOR)	

4. NO OPENING, HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE IN THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT PRIOR APPROVAL OF THE ENGINEER.

5. CONTRACTION AND EXPANSION JOINTS SHALL BE PROPERLY FORMED AND USED ONLY WHERE SHOWN OR SPECIFICALLY APPROVED BY THE ENGINEER.

6. PRE-CAMBER TO BEAMS AND SLABS SHALL BE NOT LESS THAN SPAN/240 UNLESS OTHERWISE NOTED.

7. NO ELECTRICAL CONDUIT AND PIPES ARE TO BE CAST IN COLUMNS OR THROUGH BEAMS WITHOUT PRIOR CONSENT OF THE ENGINEER.

8. SPECIAL RULES FOR CONCRETING IN HOT WEATHER SHALL BE FOLLOWED FOR THE WORK DONE DURING THE DAY.

9. NO CONCRETE WORK SHALL BE CONTINUED DURING HEAVY RAINS. TIMING OF CONCRETING SHALL BE SET BY OBSERVING CLEAR WEATHER AND IF SUFFICIENT PERIOD OF TIME IS AVAILABLE FOR THE WORK.

10. OPENING IN SLABS LESS THAN 150X150MM BARS SHALL BE PRE-ARRANGED AROUND THE OPENING.

11. FOR OPENING GREATER THAN 300MMX 300MM BUT LESS THAN 600MM X 600MM AND NOT SHOWN IN THE PLAN, PROVIDE 2T16 TOP AND BOTTOM ALONG EACH SIDE AND DIAGONAL AT CORNERS AS OTHERWISE DETAILED. AMOUNT OF BARS DISCONNECTED SHALL BE PLACED AT THE RESPECTIVE SIDES.

12. OPENING GREATER THAN 600MM X 600MM AND NOT SHOWN ON THE PLAN SHALL BE APPROVED BY THE ENGINEER.

[illegible]

11.1 BEAM	0.33% AT THE TOP AND BOTTOM FACE
11.2 SLAB	0.18% AT TOP AND BOTTOM FACE EACH WAY AT NEGATIVE AND POSITIVE ZONE.
11.3 COLUMN	1% OF THE GROSS SECTION
11.4 WALL	0.18% ALONG HORIZONTAL AND VERTICAL DIRECTION OF EACH FACE
11.5 FOOTING	0.25% AT THE TOP AND BOTTOM FACE BOTH DIRECTIONS

13. IN LAPS SPLICES AREA, STIRRUPS SPACING SHALL NOT EXCEED $D/4$.

15. DIAMETERS OF THE BARS ARE ITS NOMINAL DIAMETER EXCLUDING DEFORMATION. NO BAR SHALL BE REPLACED WITH EQUIVALENT ANOTHER BAR DIAMETER UNLESS APPROVED BY THE ENGINEER.

17. UNLESS OTHERWISE STATED ALL BENDING SHALL BE DONE TO BS4466-1 AND BS4466-2 OR AS DIRECTED BY THE ENGINEER.

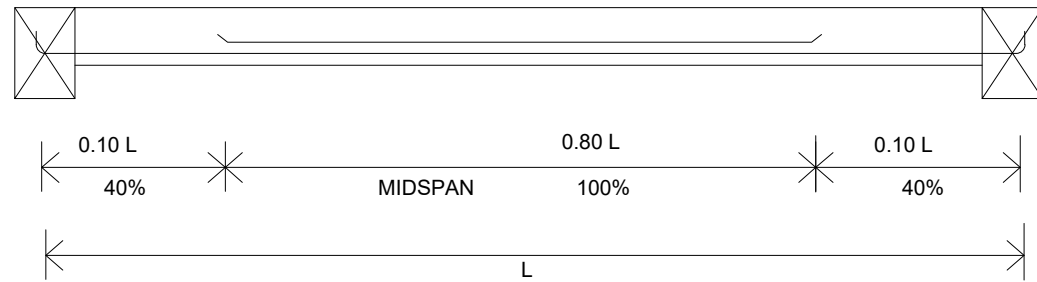
A. THE EFFECTIVE DEPTH OF THE MEMBER
B. TWELVE TIME THE BAR SIZE.

19. BAR LAYER NOTATION:	TOP LAYER	T1
	TOP SECOND LAYER	T2
	BOTTOM SECOND LAYER	B2
	BOTTOM OUTER	B1

- A. BAR SIZE FOR SLAB LESS THAN 200MM THICK - 10MM
- B. BAR SIZE FOR SLAB GREATER THAN 200MM THICK - 12MM
- C. LOCATION WITHIN THE PANEL - ALONG PERIPHERY OF 0.1 SPAN
- D. ADDITIONAL LOCATION FOR FLAT SLAB - ALONG INTERIOR SUPPORTS
- E. SPACING OF CHAIRS (AND SPACERS) - 1M

Diagram illustrating the geometry of a simply supported beam under a point load. The beam has a total length L . The load is applied at the center, creating two equal spans of $0.5L$ each. The diagram shows the beam's profile with a central dip and a horizontal line below it indicating the load position. The horizontal line is divided into three segments: $0.08L$ (50%), $0.84L$ (100%), and $0.08L$ (50%). The central segment is labeled "MIDSPAN".

BEAM

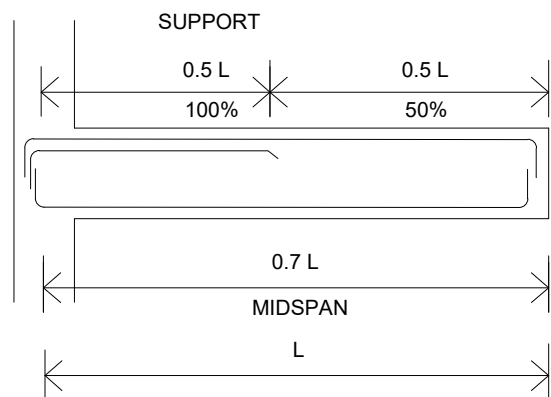


SLAB

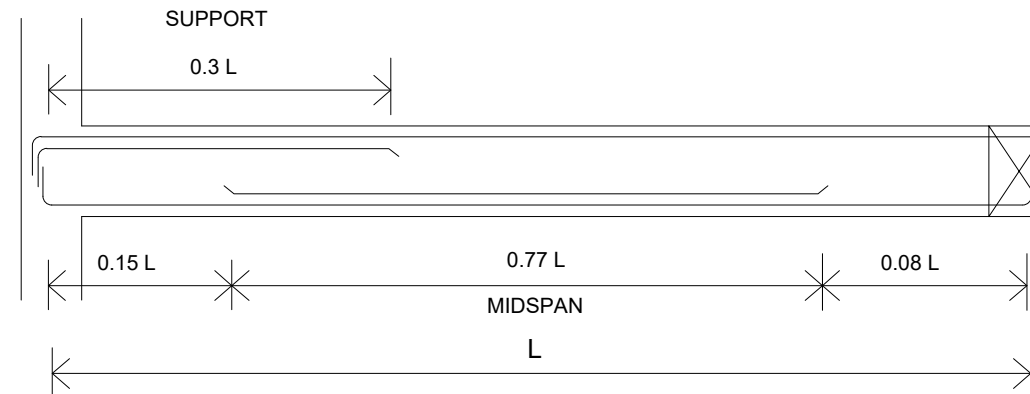
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FOUNDATIONS:

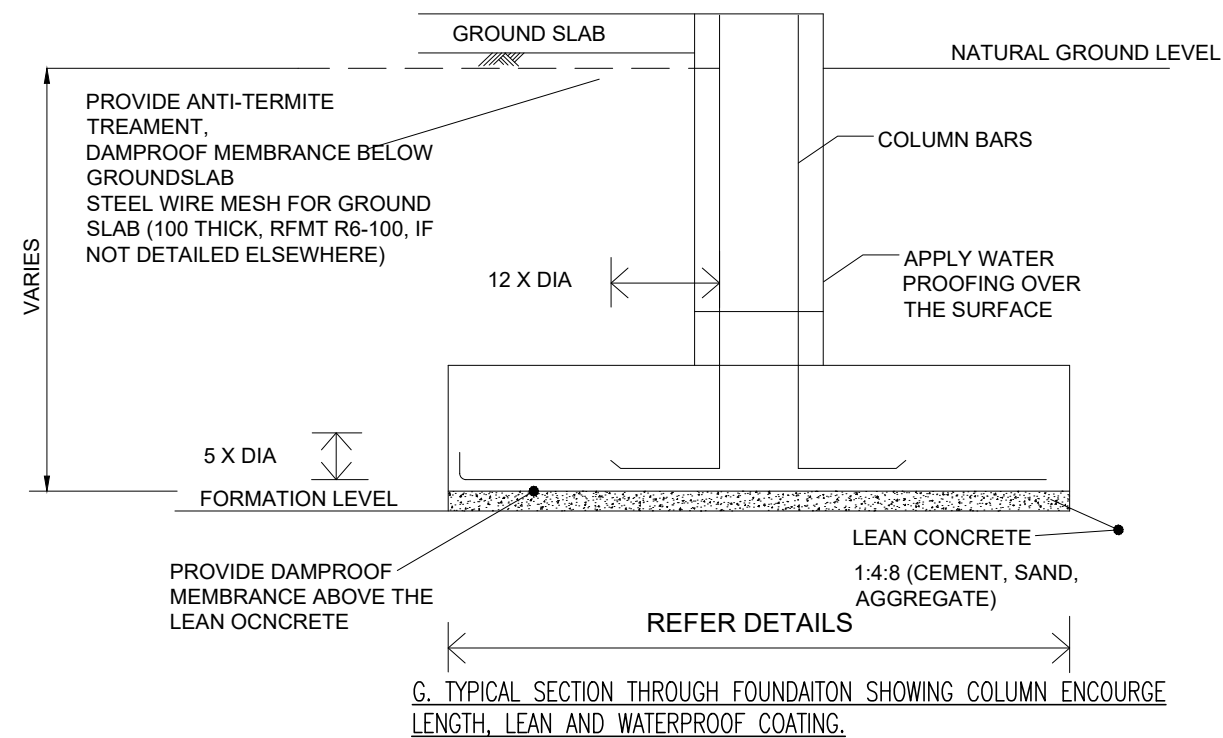
1. ALL FOUNDATIONS HAVE BEEN DESIGNED FOR A SAFE BEARING CAPACITY OF 150kN/M².
2. ALL FOOTINGS SHALL BE PLACED MINIMUM 1.2M FROM NATURAL GROUND LEVEL.
3. METHOD OF SHORING, EXCAVATION, FRAMEWORK, LAYING OF REINFORCEMENT, CONCRETING SHALL BE APPROVED BY THE ENGINEER BEFORE IMPLEMENTING AT THE SITE.
4. BACKFILLING SHOULD BE DONE WITH APPROVED MATERIAL AND SOURCE, BY THE ENGINEER.
5. WEAK POCKETS FOUND BELOW THE ASSUMED FOUNDATION LEVEL SHALL BE REMOVED AND REPLACED WITH GOOD SOIL OR PLAIN CONCRETE.
6. IN CASE WATER IS PRESENT ABOVE FOUNDATION LEVEL, DENATURING SHALL BE APPROVED BY THE ENGINEER AS WELL LOCAL AUTHORITY BEFORE EXECUTING ON SITE.
7. THE CONTRACTOR SHALL MAINTAIN DRY WORKING CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD, RESTING WATER TABLE CAN BE DONE AFTER BACKFILLING AND COMPACTION UPTOWN THE SLAB ON GRADE LEAVE OR AS DIRECTED BY THE ENGINEER.
8. NO BACKFILLING SHALL BE PLACED AGAINST WALLS RETAINING EARTH UNLESS THE WALLS ACHIEVE SUFFICIENT STRENGTH TO PREVENT MOVEMENT OR STRUCTURAL DAMAGE.
9. UNLESS OTHERWISE SHOWN ALL FOOTINGS ARE CONCENTRIC TO COLUMNS
10. APPROPRIATE TERMITE PROTECTION SHALL BE PROVIDED, UNLESS SPECIFICALLY REMOVED FROM THE CONTRACT.
11. WATER PROOFING MEMBRANE SHALL BE PROVIDED ON TOP OF THE LEAN CONCRETE.
12. RETAINING WALLS, CONCRETE OR IF MASONRY MINIMUM 200MM THICK UPTO PLINTH LEVEL SHALL BE PROVIDED ALL AROUND THE PERIMETER OF THE PLOT
13. FOR SLAB ON GROUNDS, IF NO SPECIFIC DRAWINGS ARE PROVIDED, ADOPT 100MM THICK GROUND SLAB WITH R6-100 MESH THROUGHOUT
14. FOR MANHOLES, IF NO SPECIFIC DRAWINGS ARE PROVIDED, ADOPT 600X600 SIZES IN PLAN WITH 100MM THICKNESS WITH T10 MESH. ADJUST THE HEIGHT OF MANHOLES TO SUIT THE SLOPE AND CAPACITY.



E. TYPICAL LONG SECTION OF A CANTILEVER BEAM/SLAB



F. TYPICAL LONG SECTION; SUPPORTED ON A COLUMN AND BEAM



G. TYPICAL SECTION THROUGH FOUNDATION SHOWING COLUMN ENCOURGE LENGTH, LEAN AND WATERPROOF COATING.



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DESIGN STAGE

- ☐ CONCEPT DESIGN
☒ CONSTRUCTION DOCUMENTS
☐ AS-BUILT DRAWINGS

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PROJECT



TH. THIMARAFUSHI

ARCHITECT:

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ARCHITECT CHECKER:

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ENGINEER:

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ENGINEER CHECKER:

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DATE: _____

16 / 03 / 2026

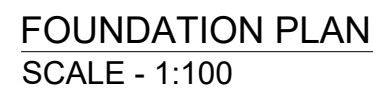
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17

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3. All dimensions shall be verified on site before proceeding with work
4. Any areas indicated on this sheet are approximate and indicative only

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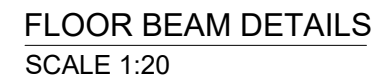
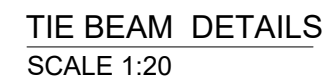
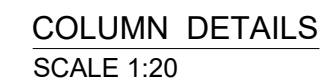
Architectural section drawing of the IMAAM ROOM. The drawing shows the room's profile, including the roof structure, walls, and floor. Key dimensions and levels are indicated:

- Room Labels:** MAIN PRAYER HALL, IMAAM ROOM.
- Structural Details:** 75MM RC SALB R6-150MM C/C (Reinforced Concrete Slab).
- Levels:** FINISH FLOOR LEVEL, NATURAL GROUND LEVEL, FOUNDATION DEPTH.
- Dimensions:**
 - Room Height: 2430 [8']
 - Room Width: 3580 [11']
 - Foundation Depth: 750 [2'-6"]
 - Ground Level to Foundation: 750 [2'-6"]

CROSS SECTION
SCALE - 1:100



NOTE: _____
 SLAB THICKNESS = 130MM
 TOP REINFORCEMENT : T10@150 C/C BW (SHOWN)
 BOTTOM REINFORCEMENT : T10@150 C/C BW (NOT SHOWN)
 TOP DISTRIBUTION STEEL : T10@300 BW (NOT SHOWN)
 REINFORCEMENT BARS WILL BE DISCONTINUOUS OVER VOIDS

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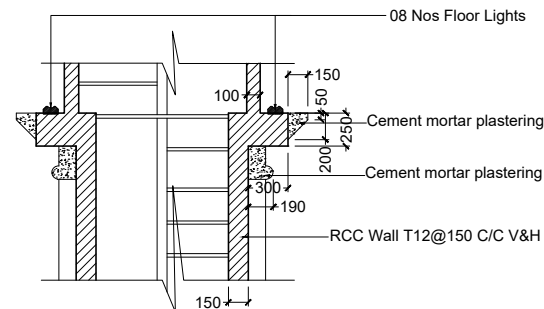
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21

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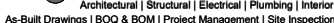
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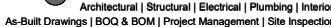
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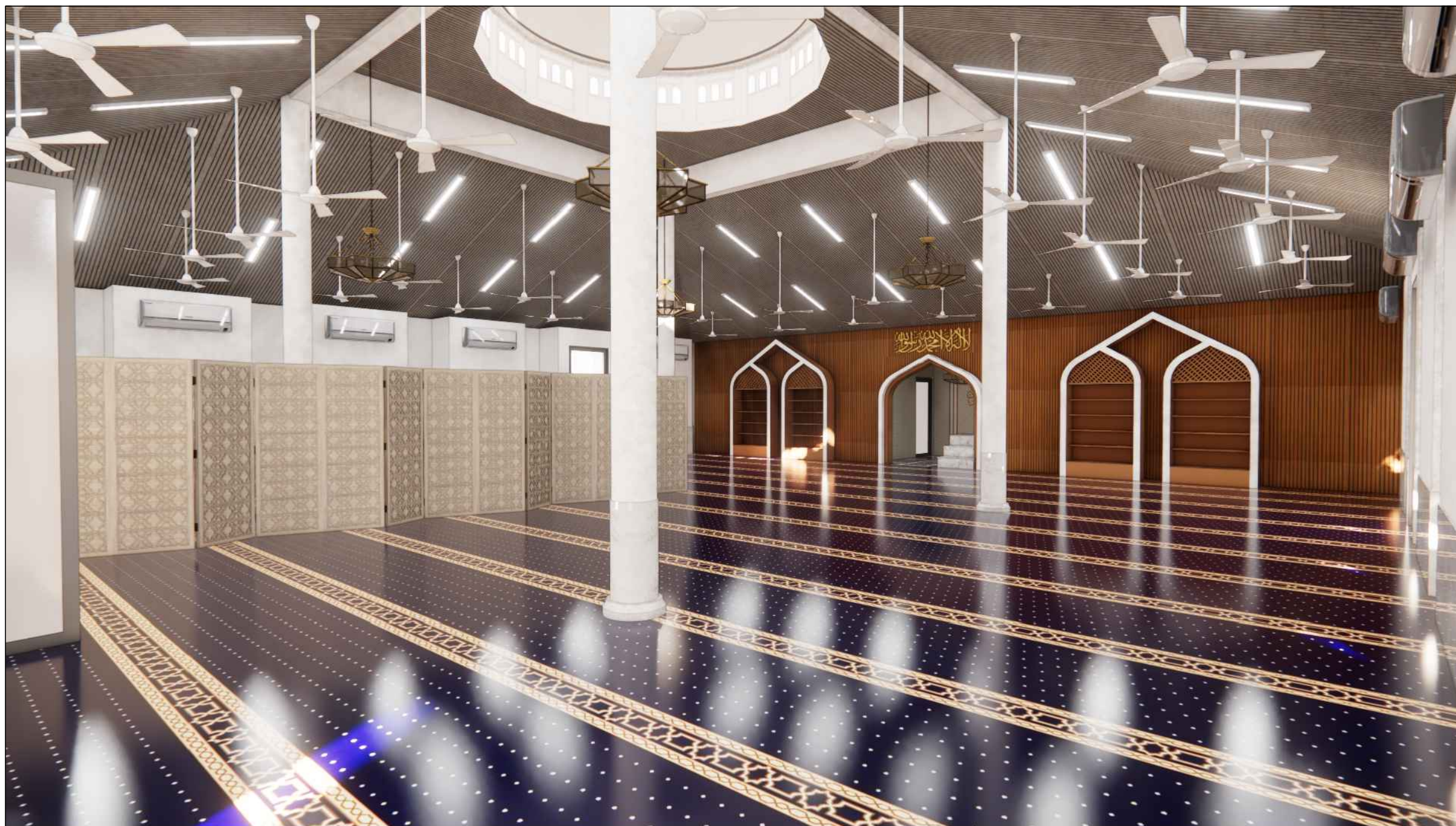
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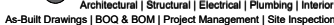
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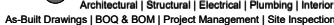


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