

**GROUND FLOOR - PLAN**

**GENERAL NOTES**

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- 230MM THK BRICK MASONRY FOR ALL WALLS UNLESS NOTED OTHERWISE.
- PLINTH BEAM TOP AT A DEPTH OF 150 MM BELOW F.G.L/F.P.L.
- BUILDING IS DESIGNED FOR G+1 FLOOR ONLY.
- MANUAL EXCAVATION TO BE DONE WHEREVER CABLES (ELECTRICAL / INSTRUMENTATION / CCTV) & PIPE LINES ARE CROSSING. CLEARANCE TO BE TAKEN FROM EIC / CABLE CLEARANCE COMMITTEE BEFORE STARTING EXCAVATION. RECOVERY WILL BE PROPOSED FROM BILL FOR DAMAGING THE CABLES / PIPE LINES IF ANY DURING CONSTRUCTION.
- REFER LAYOUT DRAWING FOR EXACT LOCATION OF PROPOSED BUILDING.
- 25X15MM DRIP MOULD IS TO BE PROVIDED ON ALL PROJECTED SURFACES OF SLAB & CHAJJA.
- 150MM HT. CHICKEN MESH IS TO BE AT DIS-SIMILAR MATERIAL JUNCTION ON ALL INTERNAL SURFACES & 10MMX10MM GROOVE TO BE PROVIDED AT ALL DIS-SIMILAR JUNCTIONS EXTERNALLY.
- FFL OF FIRST FLOOR MEANS TOP LEVEL OF FLOORING FINISHED WITH REQUIRED FINISHING.
- DUMMY COLUMNS, THREE COURSE TREATMENT, WATER TANK SLAB & PARAPET WALL (WHEREVER REQUIRED) ARE TO BE DEMOLISHED AND ROOF SLAB IS TO BE EXPOSED.
- CARE SHOULD BE TAKEN TO AVOID DAMPNISS IN GROUND FLOOR ROOF SLAB DURING CONSTRUCTION STAGE OF FIRST FLOOR.
- RAIN WATER PIPE AT GROUND FLOOR ARE TO BE EXTENDED TO FIRST FLOOR WITH PROPER COUPLINGS.
- COLUMNS ARE TO BE EXTENDED IN FIRST FLOOR BY PROPER LAPPING & WELDING THE REINFORCEMENT BARS.
- TEMPORARY WATER SUPPLY LINE IS TO BE CONNECTED/ PROVIDED TO GROUND FLOOR TOILETS/ WATER POINTS DURING CONSTRUCTION STAGE.
- ALL EXISTING WATER LINES & HDPE TANKS ARE TO BE SHIFTED TO FIRST FLOOR ROOF SLAB.
- SUN CONTROL FILM FOR WINDOW IS TO BE PROVIDED ONLY IN AC ROOMS.
- WASTE WATER LINES ARE TO BE PROPERLY TAKEN OUT WITHOUT ANY LEAKAGE & DAMPNISS IN GROUND FLOOR FROM ROOF SLAB.
- GROUND FLOOR IS TO BE PAINTED WITH ONE OR MORE COATS OF EXTERIOR ACRYLIC EMULSION PAINT AFTER CONSTRUCTION OF FIRST FLOOR.
- LOCATION OF WATER COOLER WILL BE DECIDED AT SITE IN CONSULTATION WITH ELECTRICAL AND AC TEAM AND IT SHOULD BE PROVIDED OVER PEDESTAL FINISHED WITH VITRIFIED TILES.

**SCHEDULE OF FINISHES:**

- PLASTER**
- EXTERNAL-ROUGH FINISHED PLASTER-15 MM THK IN C.M (1:5)
  - EXTERNAL-ON EXTERNAL CONCRETE SURFACES-12 MM THK IN C.M (1:4)
  - INTERNAL-SMOOTH FINISHED PLASTER ON BRICK SURFACES - 15 MM THK IN C.M (1:5)
  - INTERNAL-SMOOTH FINISHED PLASTER ON RCC SURFACES - 12 MM THK IN C.M (1:4)
- FLOORING**
- FLOORING AS PER SCHEDULE OVER EXISTING ROOF SLAB
  - 100MM HT. TILE SKIRTING WITH SAME MATERIAL OF FLOORING
  - CERAMIC TILE DADOING UP TO 2.40m IN TOILETS
- PAINTING**
- EXTERNAL-EXTERIOR EMULSION/ TEXTURE WEATHER COAT OF APPROVED SHADE
  - INTERNAL - INTERIOR ACRYLIC EMULSION OF APPROVED SHADE
  - JOINERY-PAINTED WITH SYNTHETIC ENAMEL PAINT
- DPC**
- DAMP PROOF COURSE (PCC 1:2:4) OF 75MM/ 150MM THK OVER PLINTH BEAM AND RR WALL
- COPING**
- 75MM THK. PCC 1:3:6 COPING FOR WINDOWS SILLS AND PARAPET WALLS.
- ROOF TREATMENT**
- 3 COURSE WATERPROOFING TREATMENT AS PER STANDARD DETAIL AND 75X75 mm CEMENT CONCRETE ANGULAR FILLET IS TO BE PROVIDED AT THE JUNCTION OF PARAPET WALL AND 3 COURSE TREATMENT FOR STAIR CASE ROOM AND AHU ROOM SLAB EXTENSION.
  - BUILDING ROOF SLAB IS TO BE FINISHED WITH 20MM THK WATER PROOF PLASTERING WITH GI CHICKEN MESH IN BETWEEN. 300X300 GRID LINES ARE TO BE FORMED OVER FINISHED SURFACE.
- FALSE CEILING**
- CALCIUM SILICATE (GRID TYPE) AT +3.00m LVL. FROM FFL FOR ROOMS WHEREVER SHOWN IN PLAN WITH GYPSUM BOARD FALSE CEILING AT BORDERS
- HAND RAIL**
- 900mm HT STAINLESS STEEL HAND RAILS FOR STAIRCASE

REV	DATE	DESCRIPTION
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2	21/08/2023	REVISED AS PER COMMENTS OF COMPETENT AUTHORITY
1	26/07/2023	REVISED AS PER DISCUSSION WITH USER ON 17/07/2023
0	14/07/2023	FOR APPROVAL

ISRO PROPULSION COMPLEX (IPRC)  
MAHENDRAGIRI, UNIT OF ISRO, DOS

BUILDING :  
CENTRALIZED SERVER FACILITY

Drawing Title :  
GROUND FLOOR PLAN

**CONSTRUCTION & MAINTENANCE GROUP**

DATE	SCALE	STATUS
14/07/2023	NTS	FOR APPROVAL
DRAWN	DESIGNED & CHECKED	APPROVED
MURSHID	JAYANTH	GD-CMG
PROJECT	DRAWING NO.	REV
GCW	IPRC/CMG/23/CSF/A-01	3

FILE NAME :  
A1

**SCHEDULE OF JOINERY**

DOORS	TYPE	SIZE	DESCRIPTION	SILL HT.	LINTEL HT.
D1	D1	2000x2400	FACTORY MADE FIRE RATED STEEL DOOR WITH VISION PANEL AND DOOR CLOSER AS PER WO SPEC. - DOUBLE LEAF	-	2.4M FROM F.F.L
D2	D2	900X2100	PRESSED STEEL FRAMED 35mm THK. FLUSH DOOR WITH DOOR CLOSER	-	2.1M FROM F.F.L
D3	D3	900X2400	FRAMELESS DOOR WITH 12MM THK. TOUGHENED GLASS SHUTTER AS PER WO SPEC.	-	2.4M FROM F.F.L
D4	D4	750X2100	RAJSHRI DOOR	-	2.1M FROM F.F.L
D5	D5	2000X2400	FRAMELESS DOOR WITH 12MM THK. TOUGHENED GLASS SHUTTER AS PER WO SPEC. - DOUBLE LEAF	-	2.4M FROM F.F.L
D6	D6	1500X2400	FACTORY MADE FIRE RATED STEEL DOOR WITH VISION PANEL AND DOOR CLOSER AS PER WO SPEC. - DOUBLE LEAF	-	2.4M FROM F.F.L
D7	D7	1000X2250	FRAMELESS DOOR WITH 12MM THK. TOUGHENED GLASS SHUTTER AS PER WO SPEC.	-	2.25M FROM F.F.L
D8	D8	DELETED			
D9	D9	1500X2400	FACTORY MADE STEEL FRAME AND SHUTTER WITH DOOR CLOSER AS PER WO SPEC. - DOUBLE LEAF	-	2.4M FROM F.F.L
WINDOW	W1	1200X1200	PRESSED STEEL FRAMED GLAZED WINDOW WITH 6MM THK CLEAR ACRYLIC SHEET AND SUN CONTROL FILM	0.9 M FROM F.F.L	2.1M FROM F.F.L
	W2	1200X1200	PRESSED STEEL FRAMED GLAZED FIXED WINDOW WITH 6MM THK CLEAR ACRYLIC SHEET WITH SUN CONTROL FILM	AS / ARCH.	AS / ARCH.
	W3	1200X1500	PRESSED STEEL FRAMED GLAZED WINDOW WITH 6MM THK CLEAR ACRYLIC SHEET WITH SUN CONTROL FILM AND 300MM FIXED PORTION	0.9 M FROM F.F.L	2.4M FROM F.F.L
VENT.	V1	600X600	Z- TYPE VENTILATOR WITH 4MM THK FROSTED GLASS	1.8 M FROM F.F.L	2.4M FROM F.F.L
	V2	1200X600	Z- TYPE VENTILATOR WITH 4MM THK FROSTED GLASS	AS / ARCH.	AS / ARCH.

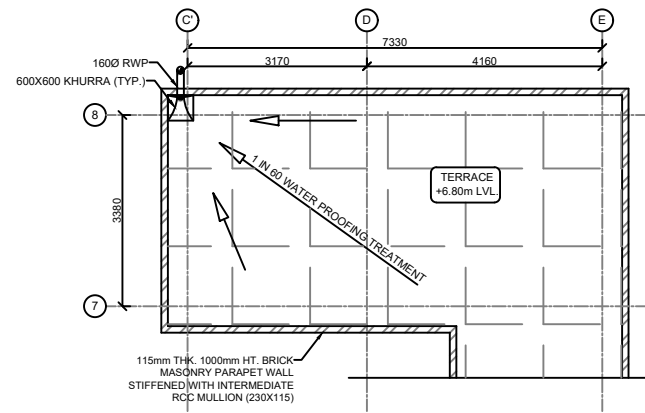
NOTE:- THE SIZES OF JOINERY MENTIONED IN TABLE IS INCLUDING FRAME

**SCHEDULE OF FINISHES**

AREA	FLOORING
MONITORING ROOM AND OPERATOR CONSOLE	PVC FINISHED FALSE FLOORING 0.3M HT.
CENTRALIZED SERVER ROOM/ DATA CENTER	PVC FINISHED FALSE FLOORING 0.3M HT.
TOILET	ANTI SKID CERAMIC TILES
CORRIDOR	VITRIFIED TILES
ENTRANCE STEPS AND STAIR CASE	ANTI SKID GRANITE FLOORING
DISCUSSION ROOM	PVC FINISHED FALSE FLOORING 0.3M HT.
STORE ROOM	VITRIFIED TILES
AHU ROOM	IPS FLOORING

**AREA STATEMENT :**

	GF	FF
PLINTH AREA	41.67 SQM	385.00 SQM
CARPET AREA	12.00 SQM	285.26 SQM



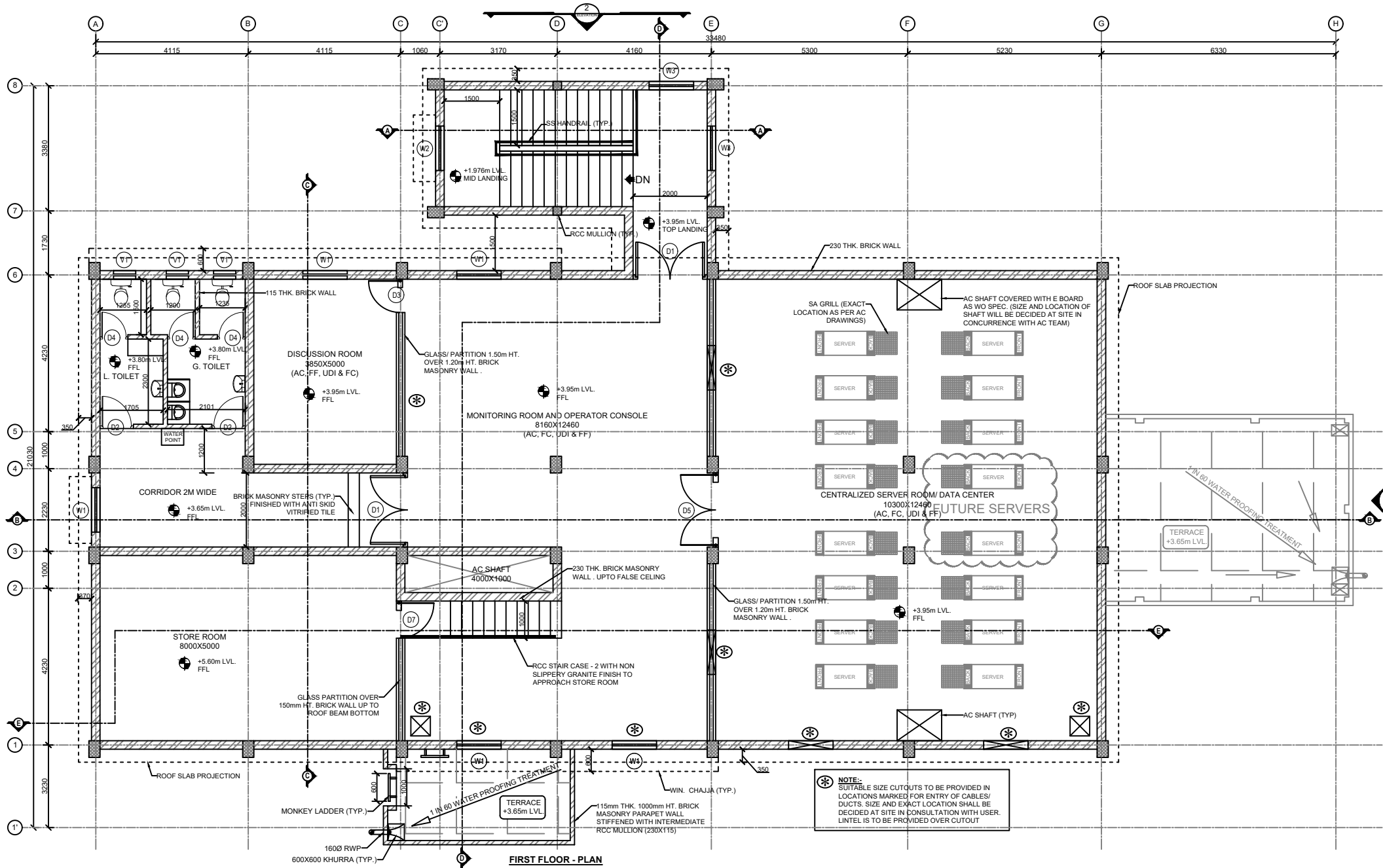
**TERRACE PLAN @ +6.80m LVL.**

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**NOTE:-**  
FRAME LESS GLASS PARTITION AND FRAME LESS GLASS DOORS USING 12MM THICK TOUGHENED GLASS WITH PATCH FITTING AND SILICON SEALANT IS PROPOSED BETWEEN MONITORING ROOM AND SERVER ROOM, MONITORING ROOM AND DISCUSSION ROOM, MONITORING ROOM AND STORE ROOM. REFER WORK ORDER SPECIFICATION FOR EXACT DETAILS



**FIRST FLOOR - PLAN**

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ISRO PROPULSION COMPLEX (IPRC)  
MAHENDRAGIRI, UNIT OF ISRO, DOS  
BUILDING :  
CENTRALIZED SERVER FACILITY

Drawing Title :  
FIRST FLOOR PLAN AND TERRACE PLAN AT +6.80m LVL.

**CONSTRUCTION & MAINTENANCE GROUP**

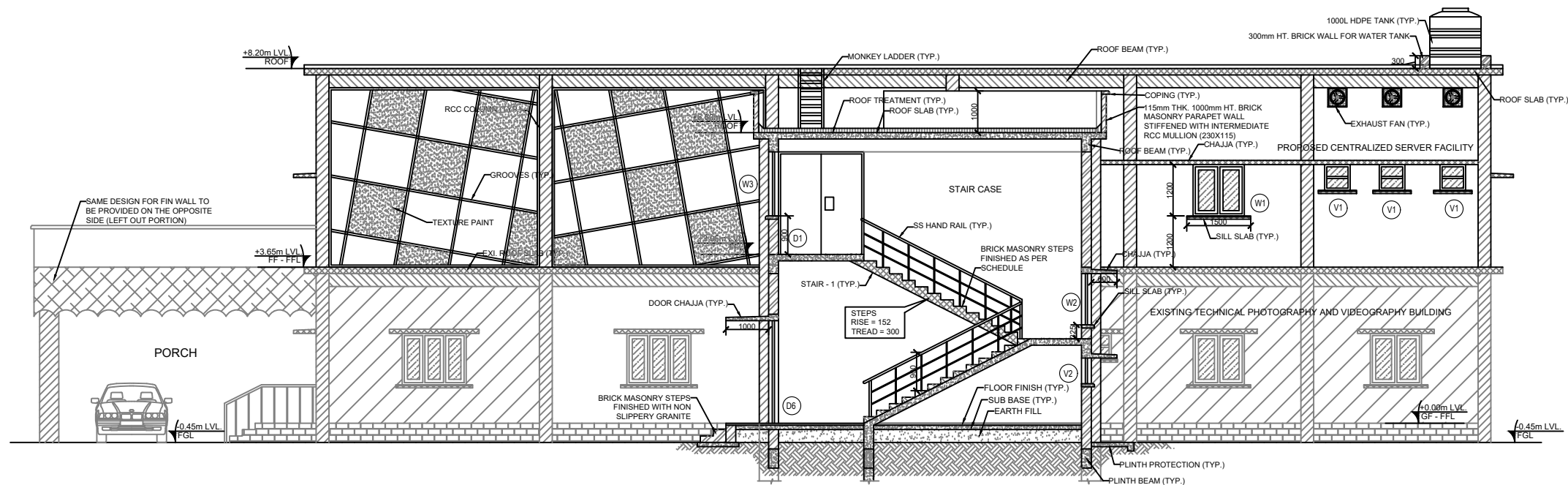
DATE	SCALE	STATUS
14/07/2023	NTS	FOR APPROVAL
DRAWN	DESIGNED & CHECKED	APPROVED
MURSHID	JAYANTH	GD-CMG
PROJECT	DRAWING NO.	REV
GCW	IPRC/CMG/23/CSF/A-02	3

FILE NAME : A1

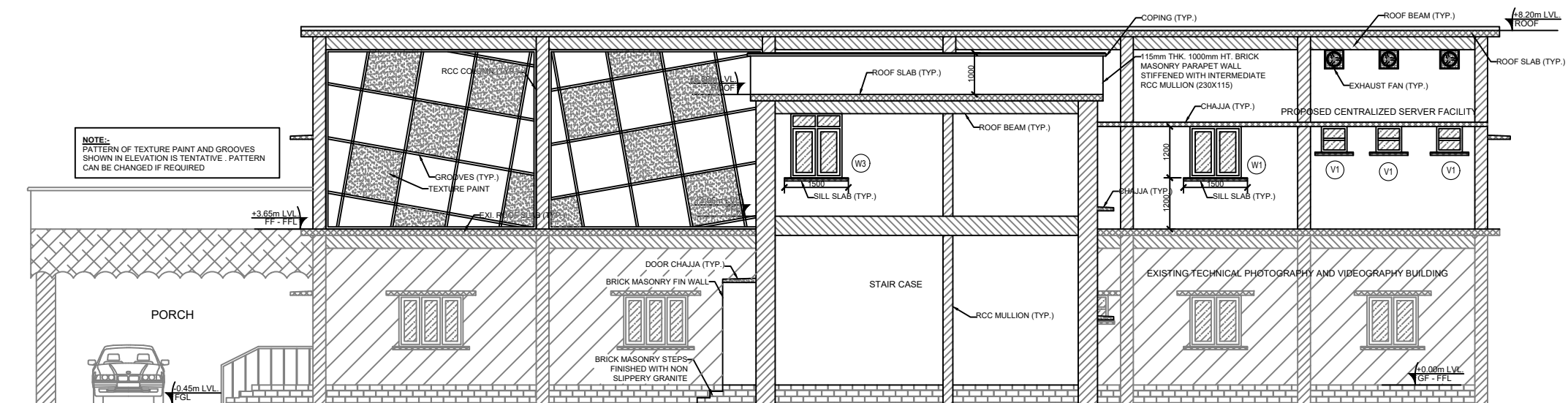
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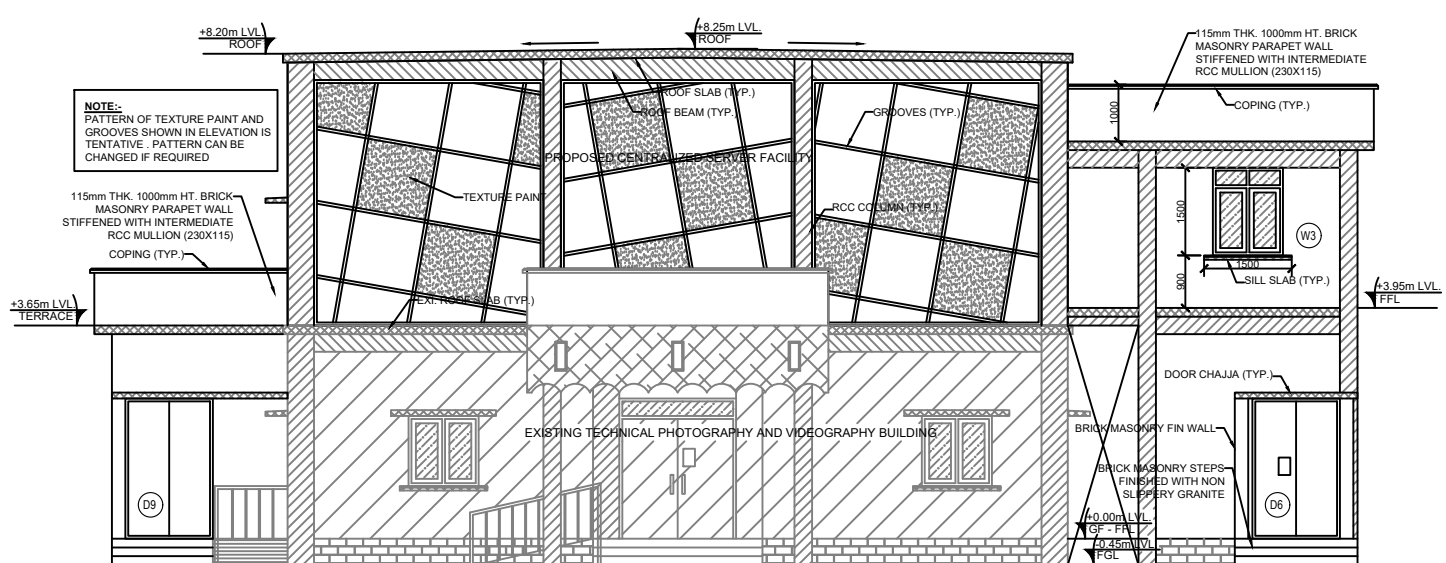
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**SECTION A-A**



**ELEVATION-2**



**ELEVATION-1**

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MAHENDRAGIRI, UNIT OF ISRO, DOS

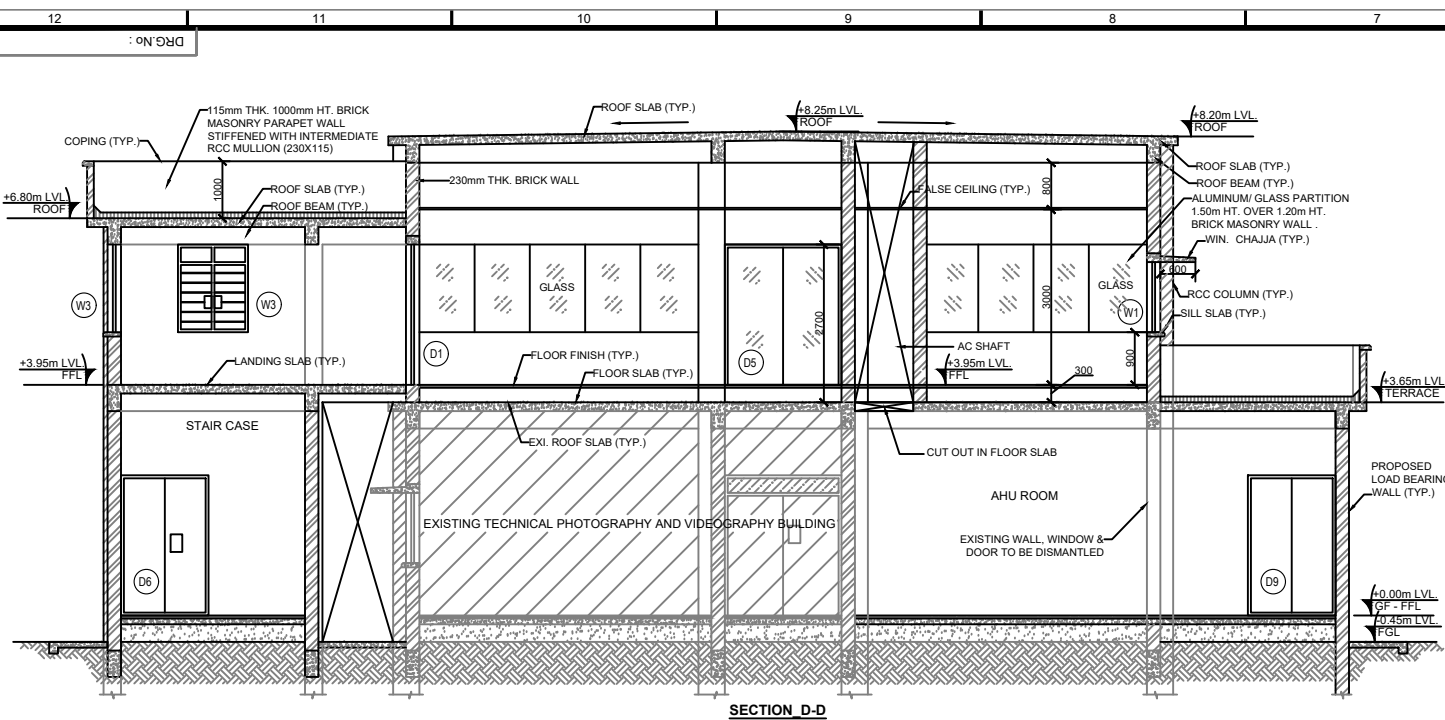
BUILDING :  
CENTRALIZED SERVER FACILITY

Drawing Title :  
ELEVATION- 1 & 2, SECTION\_A-A AND TERRACE PLAN @ +6.80m LVL.

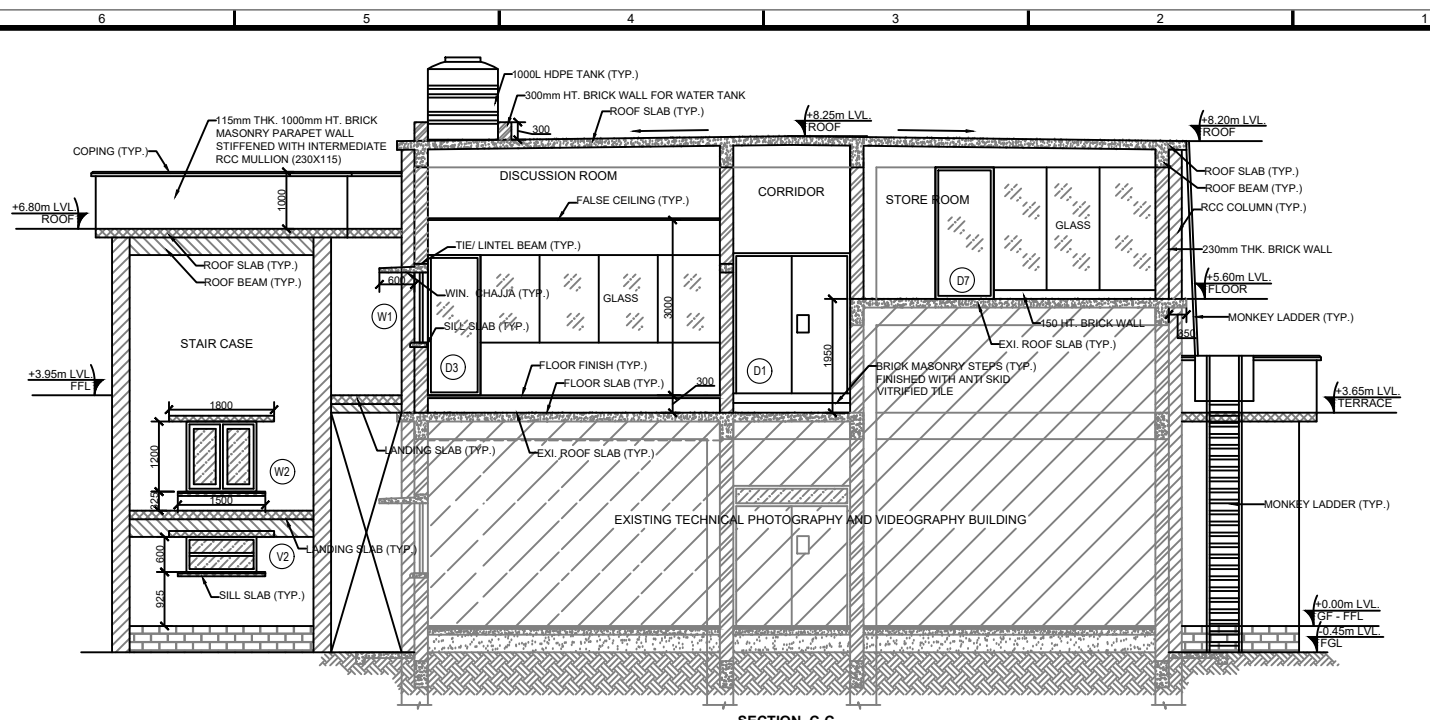
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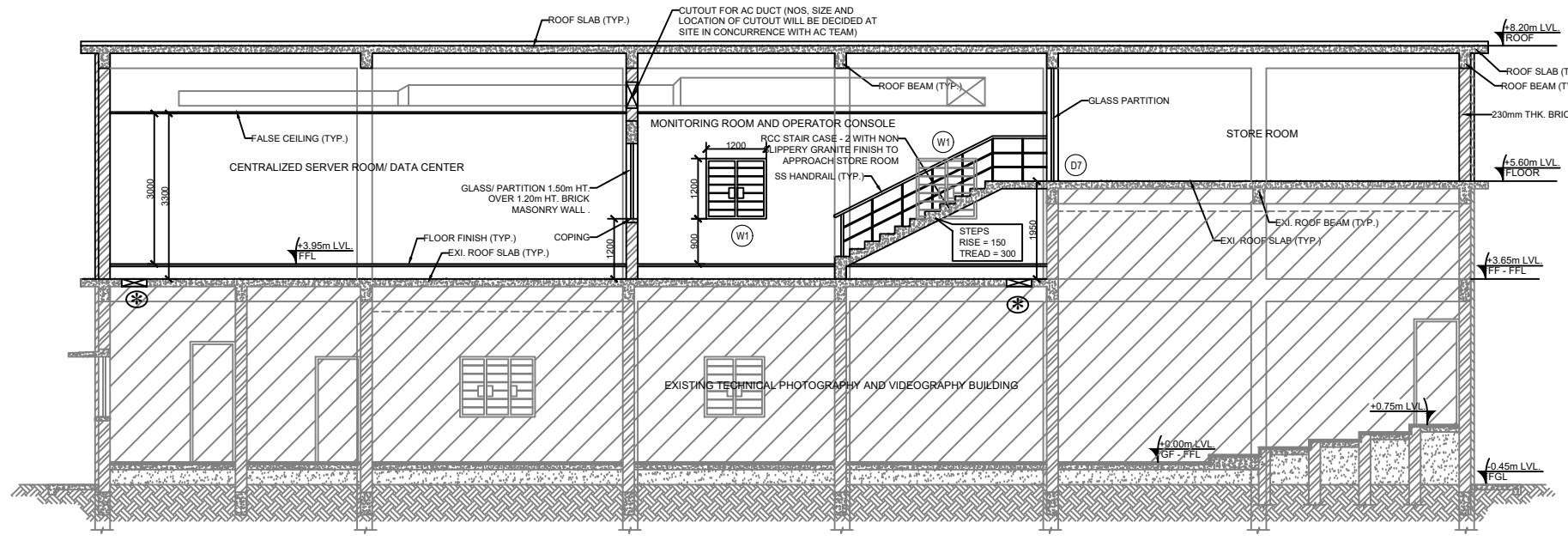
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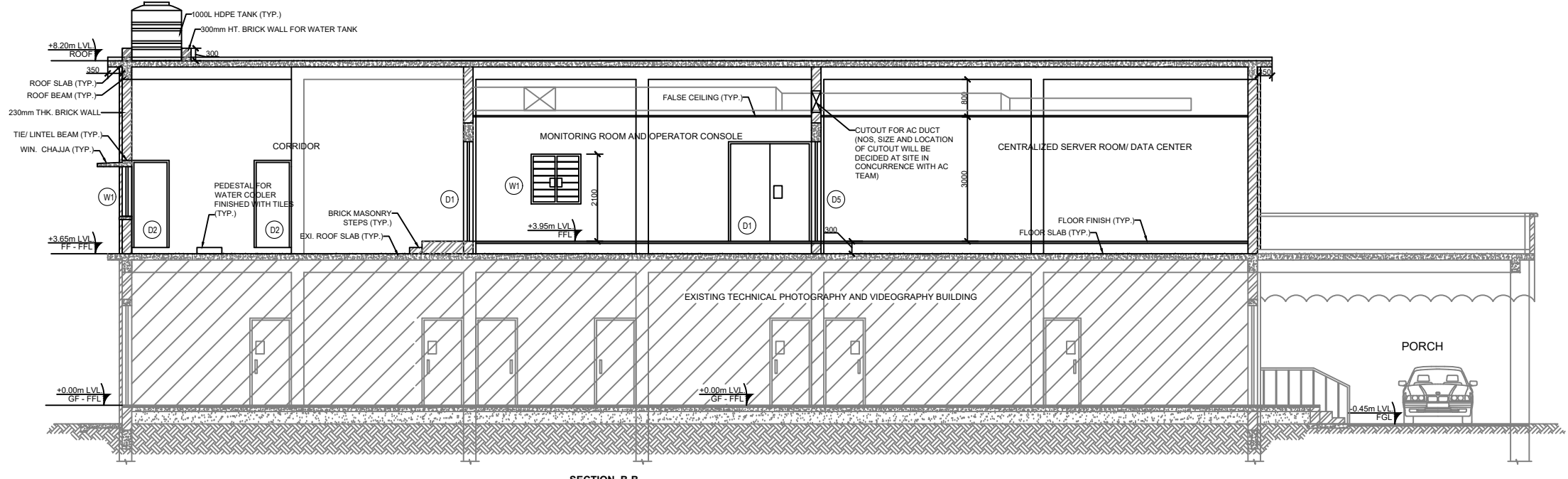
SECTION D-D



SECTION C-C



SECTION E-E



SECTION B-B

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BUILDING : CENTRALIZED SERVER FACILITY		
Drawing Title : SECTION_B-B, C-C, D-D AND E-E		
CONSTRUCTION & MAINTENANCE GROUP		
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14/07/2023	NTS	FOR APPROVAL
DRAWN	DESIGNED & CHECKED	APPROVED
MURSHID	JAYANTH	GD-CMG
PROJECT	DRAWING NO.	REV
GCW	IPRC/CMG/23/CSF/A-04	3
FILE NAME :		A1