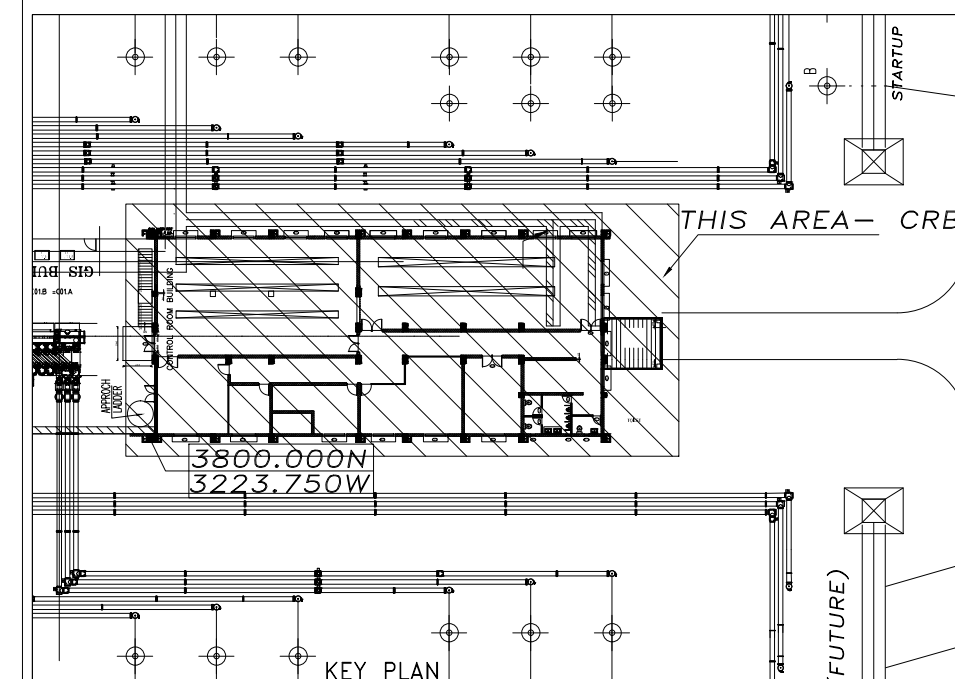
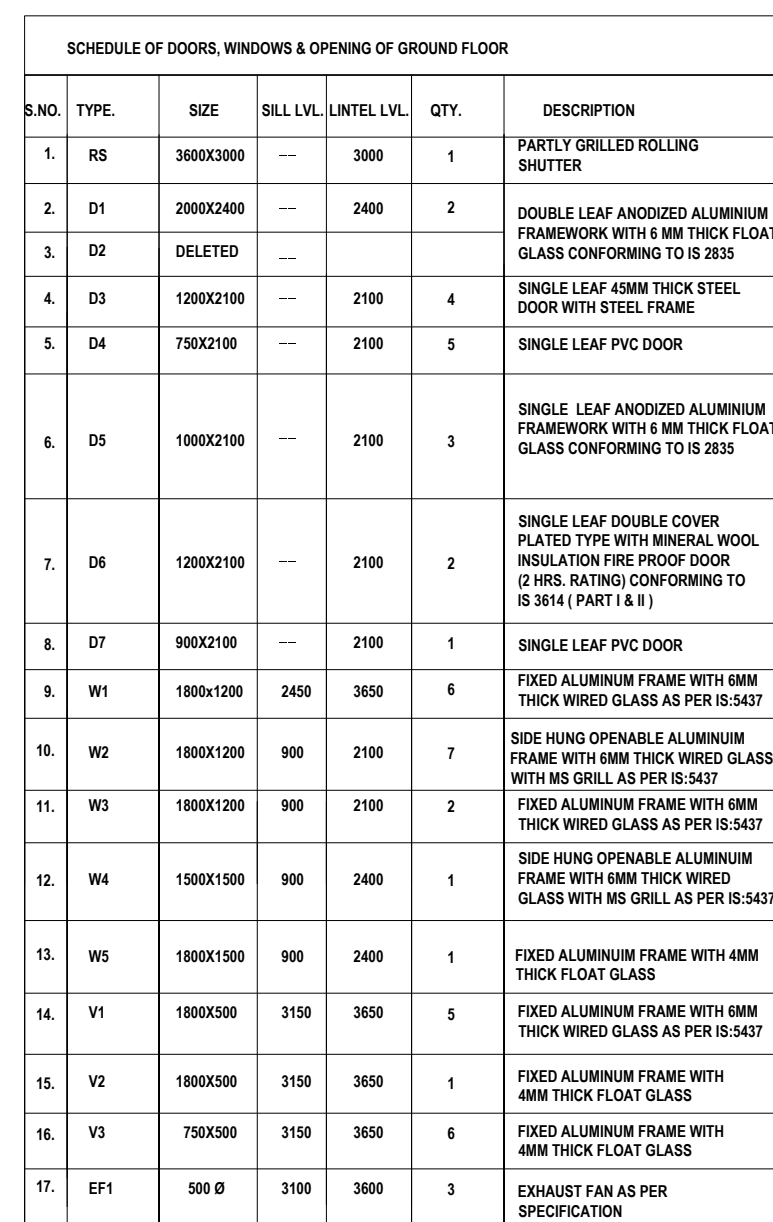
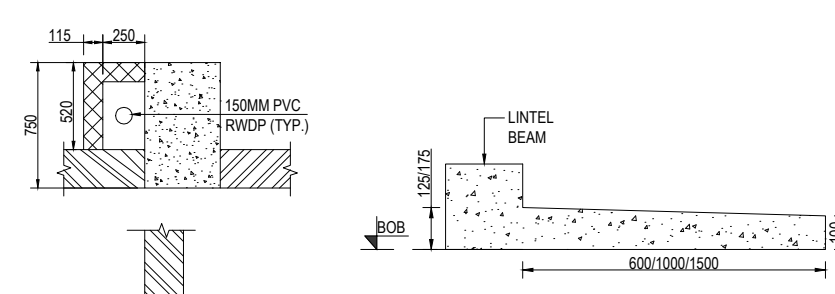


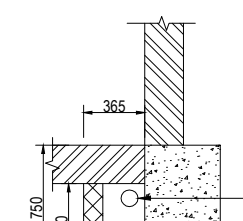


- NOTES
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 2. @ 1/0.00M CORRESPONDS TO FGL AT 9.51M
 3. ALL THE LEVELS ARE PROFF FGL
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 6. FALSE CEILING SHALL BE PROVIDED OF LIGHT WEIGHT MINERAL FIBRE TILE TYPE FALSE CEILING
 7. THE FURNITURE AND CONFERENCE ROOM WITH ALL APPLIANCES SHALL BE PROVIDED AS PER SPECIFICATIONS
 8. GRANITE SLAB SHALL BE PROVIDED AT SILL LEVEL FOR WINDOWS.

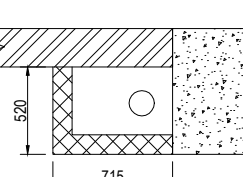
REFERENCE DRAWINGS:-		
SR. NO.	DESCRIPTION	NUMBER
1	CONCEPTUAL LAYOUT OF CRB FOR SWITCHYARD	TB-378-510-004
2	FOUNDATION DETAILS OF CRB	TR-1.378.607.624



TYP. SU
(SCALE 1:15)



TYPICAL DETAIL OF RAIN WATER PIPE
DETAILS.
(SCALE 1:30)



DETAIL OF S
(SCALE 1:30)

LEGENDS :-	
	230 THK. BRICK WALL
	115 THK. BRICK WALL
	COLUMN
	PROJECTION
EF	EXHAUST FAN
FGL	FINISHED GROUND LEVEL
FFL	FINISHED FLOOR LEVEL
THK	THICKNESS
TOP	TOP OF PARAPET WALL
TOC	TOP OF CONCRETE
PAC-AC	PRECISION AIR CONDITIONER
SPLIT-AC	SPLIT AIR CONDITIONER

LEGEND:

- FGL - FINISHED GROUND LEVEL
 FFL - FINISHED FLOOR LEVEL
 BOS - BOTTOM OF THE SLAB
 TOC - TOP OF CONCRETE
 TOR - TOP OF ROAD
 RWDP - RAIN WATER DOWNTAKE PIPE

GENERAL CIVIL SPECIFICATIONS

BRICK WORK :-

BRICKS HAVING MINIMUM 75 kg/sq cm COMPRESSIVE STRENGTH SHALL BE USED

CEMENT AND SAND MORTAR 1:5 FOR ONE BRICK THICK WALL AND 1:4 FOR HALF BRICK THICK WALL SHALL BE USED.

DAMP PROOF COURSE :-

50mm THICK 1:1.5:3 CONCRETE WITH PROOFING ADMIXTURE

ROOF WATER PROOFING :-

ALL ROOFS SHALL BE PROVIDED WITH EXTRA HEAVY DUTY WATER PROOFING TREATMENT COMPRISING OF SEVEN COURSES AS PER IS:1346 USING LAYER OF TYPE 2 GRADE 1 GLASS FIRE BASED FELT AS PER IS:7193 ALL AS SPECIFIED IN CLAUSE 18.07.00.

PLASTER :-

- | | |
|---------------------|--|
| 1. EXTERNAL PLASTER | 20mm THICK IN 2 COATS, 1st COAT OF 12mm THICK IN C:M 1:3 &
2nd COAT OF 8mm THICK IN C:M 1:2 SAND FACED. |
| 2. INTERNAL PLASTER | 12mm THICK (1 CEMENT : 3 SAND) |
| 3. CEILING PLASTER | 6mm THICK (1 CEMENT : 3 SAND) |

RAIN WATER DOWN COMERS :

FOR ROOFING DRAINAGE, 100mm PVC RAIN WATER DOWN TAKE PIPE SHALL BE PROVIDED

CHAJJA & CANOPIES TOP :-

TOP SURFACE OF CHAJJAS & CANOPIES SHALL BE MADE WATER PROOFING BY

	PROVIDING A
--	-------------

STAIRCASE
PROVIDING 50x50x5MM ANGEL AT THE NOSING IN EACH RISING

REMOVABLE MS HANDRAIL 900MM HIGH

HANDRAIL SHALL BE OF 32 MM NOMINAL NORE MS PIPE (MEDIUM CLASS) AS PER IS:1161 GALVANISED USING 750 GM/SQM OF ZINC. IT SHALL BE 900 MM HIGH CONSISTING OF TWO HORIZONTAL RAILS. VERTICAL POST SPACING SHALL NOT BE MORE THAN 1500 MM

EXTERNAL FINISH

WATER PROOF CEMENT

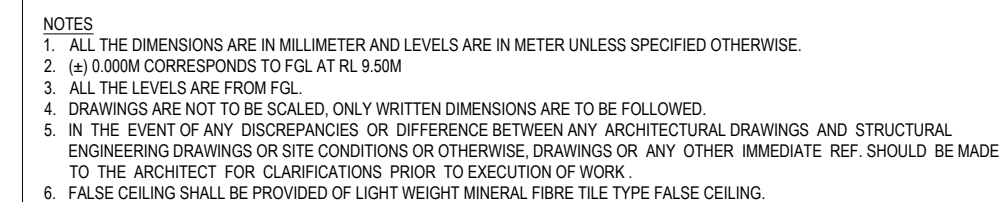
AREA	FLOORING	WALL	CEILING
CHURCH ENTRANCE	20MM THICK POLYURETHANE STONE	ACRIFIC EMISSION PAINT	ACRIFIC EMISSION DISTEMPER
CABLE LANE TRANSFORMER	GRANITIC FLOORING WITH NON METALLIC FLOOR HARDENERS	ACRIFIC DISTEMPER	ACRIFIC WASHABLE DISTEMPER
MAINTENANCE ROOM	WORKERS ROOM		
ARE ROOM	GLAZED VITRIFIED TILES	ACRIFIC EMISSION PAINT	ACRIFIC WASHABLE DISTEMPER
CONCRETE CORRIDOR	HEAVY DUTY MATT PRIMER-CERAMIC TILES	ACRIFIC EMISSION PAINT	ACRIFIC WASHABLE DISTEMPER
BATTERY ROOM	ACRIFIC/ALUMINUM RESISTANT TILES	ACRIFIC/ALUMINUM RESISTANT PAINT (200MM HIGH + CHROMIUM DIOXIDE) + CHROMIUM DIOXIDE	CHROMIUM DIOXIDE RUBBER PAINT
STAIRCASE	GRANITE STONE	ACRIFIC EMISSION PAINT	ACRIFIC WASHABLE DISTEMPER
REST & SCADA PASSAGE	GLAZED VITRIFIED TILES	ACRIFIC EMISSION PAINT	ALUMINIUM FINISH LACQUER
PASSAGE / PARADE			
CONTROL ROOM			
ELC. ROOM			
MAINT. COMMUNICATION ROOM			
MAINT. CONC. ROOM			
CONFERENCE ROOM			
ACROBATIC STORE ROOM	GRANITIC FLOORING WITH NON METALLIC FLOOR HARDENERS	ACRIFIC DISTEMPER	ACRIFIC WASHABLE DISTEMPER
PAINT			
TOILET	HEAVY DUTY MATT PRIMER-CERAMIC TILES	DANODING FOR 220MM HIGH + ACRYLIC DISTEMPER	ACRIFIC WASHABLE DISTEMPER
DINING ROOM	HEAVY DUTY MATT PRIMER-CERAMIC TILES	ACRIFIC DISTEMPER	ACRIFIC WASHABLE DISTEMPER
STAIRCASE, MAINT. ROOM	GRANITE STONE	ACRIFIC EMISSION PAINT	ACRIFIC WASHABLE DISTEMPER

NOTE: 20MM THICK PLASTER OF PARIS FINISH TO BE APPLIED ON INTERNAL SURFACE

NOTE - 2MM THICK PLASTER OF PARIS FINISH TO BE APPLIED ON INTERNAL SURFACE OF EXISTING PLASTERBOARD.

SCHEDULE OF DOORS, WINDOWS & OPENING OF FIRST FLOOR						
S.NO.	TYPE	SIZE	BILL LVL	LVL	QTY	DESCRIPTION
1.	D8	200X2400	---	2400	1	DOUBLE LEAF ANODIZED ALUMINIUM FRAMEWORK WITH GLAZING CONSISTING OF TWO 6MM THICK CLEAR TOUGHENED SAFETY GLASS CONFORMING TO IS 2553, HERMETICALLY SEALED AND SEPARATED BY 12MM THICK GAP
2.	D9	1500X2400	---	2400	1	DOUBLE LEAF ANODIZED ALUMINIUM FRAMEWORK WITH 6MM THICK FLOAT GLASS CONFORMING TO IS 2935
3.	D10	750X2150	---	2100	5	SINGLE LEAF PVC DOOR
4.	D11	1000X2100	---	2100	6	SINGLE LEAF ANODIZED ALUMINIUM FRAMEWORK WITH 6MM THICK FLOAT GLASS CONFORMING TO IS 2935
5.	D12	1800X2400	---	2400	4	DOUBLE LEAF ANODIZED ALUMINIUM FRAMEWORK WITH 6MM THICK FLOAT GLASS CONFORMING TO IS 2935
6.	D13	900X2100	---	2100	2	SINGLE LEAF PVC DOOR
7.	W6	1000X1200	900	2100	5	FIXED ALUMINIUM FRAME WITH 6MM THICK WIRRO GLASS AS PER IS-5437
8.	W7	1000X1200	900	2100	2	FIXED ALUMINIUM FRAME WITH 6MM THICK WIRRO GLASS AS PER IS-5437
9.	W8	DELETED	---	---	---	SIDE HINGE OPENABLE ALUMINIUM FRAME WITH 6MM THICK WIRRO GLASS AS PER IS-5437
10.	W9	1500X1200	900	2100	2	SIDE HINGE OPENABLE ALUMINIUM FRAME WITH 6MM THICK WIRRO GLASS AS PER IS-5437
11.	W10	600X2250	150	2400	1	FIXED ALUMINIUM FRAME WITH GLAZING CONSISTING OF TWO 6MM THICK CLEAR TOUGHENED SAFETY GLASS CONFORMING TO IS 2553, HERMETICALLY SEALED AND SEPARATED BY 12MM THICK GAP
12.	W11	1800X1200	900	2100	10	FIXED ALUMINIUM FRAMEWORK WITH GLAZING CONSISTING OF TWO 6MM THICK CLEAR TOUGHENED SAFETY GLASS CONFORMING TO IS 2553, HERMETICALLY SEALED AND SEPARATED BY 12MM THICK GAP
12.	GP1	4150X1950	150	---	1	FIXED ALUMINIUM FRAMEWORK WITH GLAZING CONSISTING OF TWO 6MM THICK CLEAR TOUGHENED SAFETY GLASS CONFORMING TO IS 2553, HERMETICALLY SEALED AND SEPARATED BY 12MM THICK GAP.
13.	GP2	2815X930	150	---	1	FIXED ALUMINIUM FRAME WITH 6MM THICK FLOAT GLASS
14.	GP3	1735X2830	150	---	1	FIXED ALUMINIUM FRAME WITH 6MM THICK FLOAT GLASS
15.	GP4	4550X2830	150	---	1	FIXED ALUMINIUM FRAME WITH 6MM THICK FLOAT GLASS
16.	EF2	500 Ø 3100	3100	3600	4	EXHAUST FAN AS PER SPECIFICATION
17.	V4	1800X360	3100	3600	1	FIXED ALUMINIUM FRAME WITH 6MM THICK FLOAT GLASS
18.	V5	75X500	3100	3600	3	FIXED ALUMINIUM FRAME WITH 6MM THICK FLOAT GLASS

[illegible]



EXTERNAL FACE COLOUR ON WALL MATCHING WITH RAL-9005

EXTERNAL FACE COLOUR ON COLUMN & PARAPET WALL MATCHING WITH RAL-5012

SR. NO.	DESCRIPTION	NUMBER
1	CONCEPTUAL LAYOUT OF CRB FOR SWITCHYARD	TB-378-510-004
2	FOUNDATION DETAILS OF CRB	TR-1-378-R07-R24

LEGENDS :-	
	230 THK. BRICK WALL
	115 THK. BRICK WALL
	COLUMN
	PROJECTION
EF	EXHAUST FAN
FGL	FINISHED GROUND LEVEL
FFL	FINISHED FLOOR LEVEL
THK	THICKNESS
TOP	TOP OF PARAPET WALL
TOC	TOP OF CONCRETE
PAC-AC	PRECISION AIR CONDITIONER
SPLIT-AC	SPLIT AIR CONDITIONER

PROJECT	2 X 660 MW ENNORE SEZ SUPERCRITICAL THERMAL POWER PROJECT AT ASH DYKE OF NCTPS, CHENNAI - 120
---------	---

CUSTOMER	 TAMILNADU GENERATION AND DISTRIBUTION CORPORATION
----------	---

OWNER'S
CONSULTANT



DESEIN PRIVATE LIMITED
DESEIN HOUSE, GREATER KAILASH II, NEW DELHI

CONTRACTOR'S
CONSULTANT  DESIGN SOLUTIONS INC. SCO 43, 2nd FLOOR,
SECTOR 4, PANCHKULA, HARYANA - 134112



BHEL BHARAT HEAVY ELECTRICALS LTD
TRANSMISSION PROJECTS DIVISION

	NAME	SIGN	DATE	NO. OF PAGES
DRILL	VM			
CL. 2.	VM			
APPD.	PR			

DEPTH:	750M	
DATE:	10/10/2010	

ARCH DRAWINGS- ELEVATIONS
CONTROL ROOM BUILDING

	TB-0-378-607-620-2
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SHEET NO.	1	NO. OF SHEETS:	2
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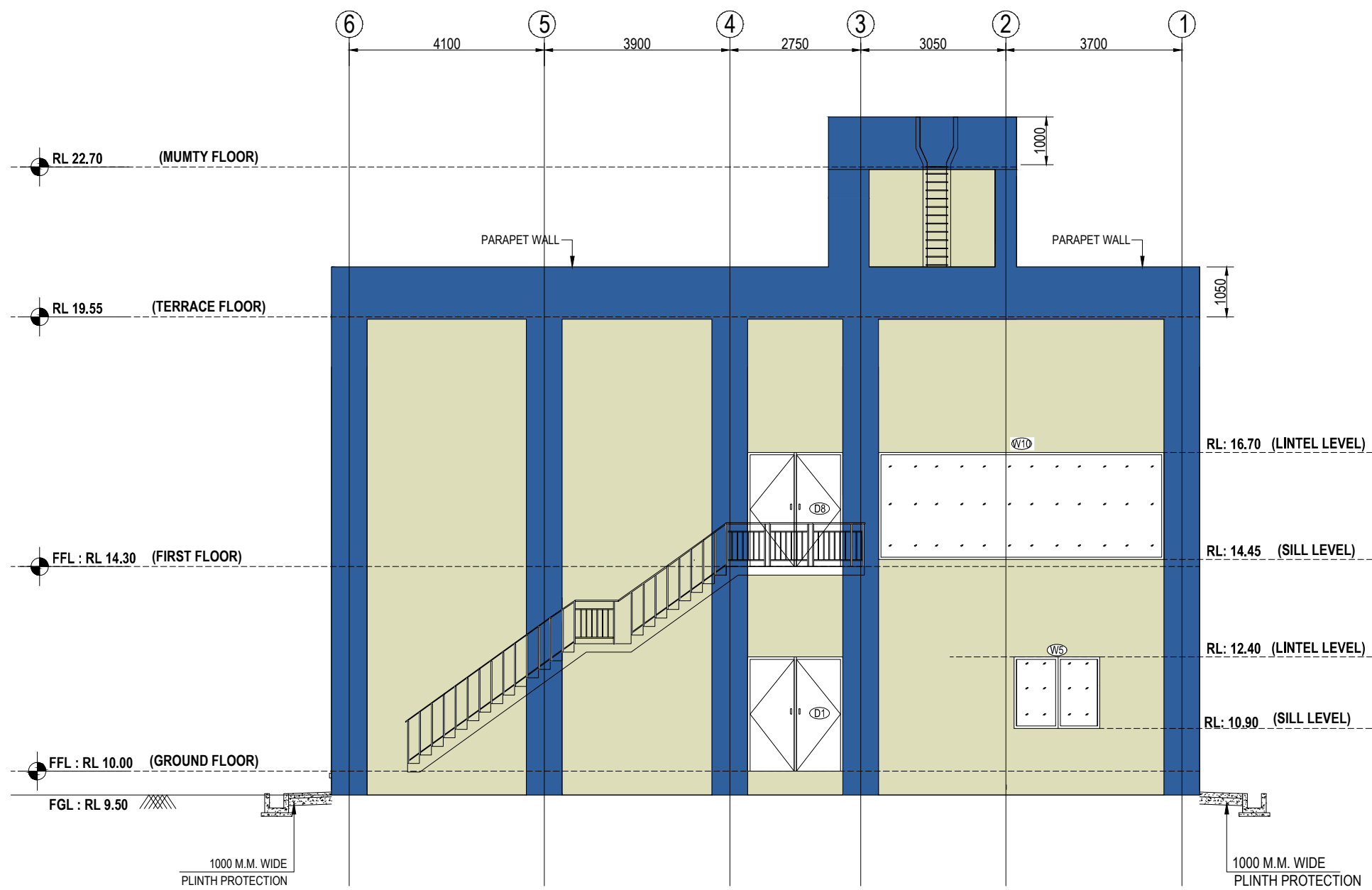
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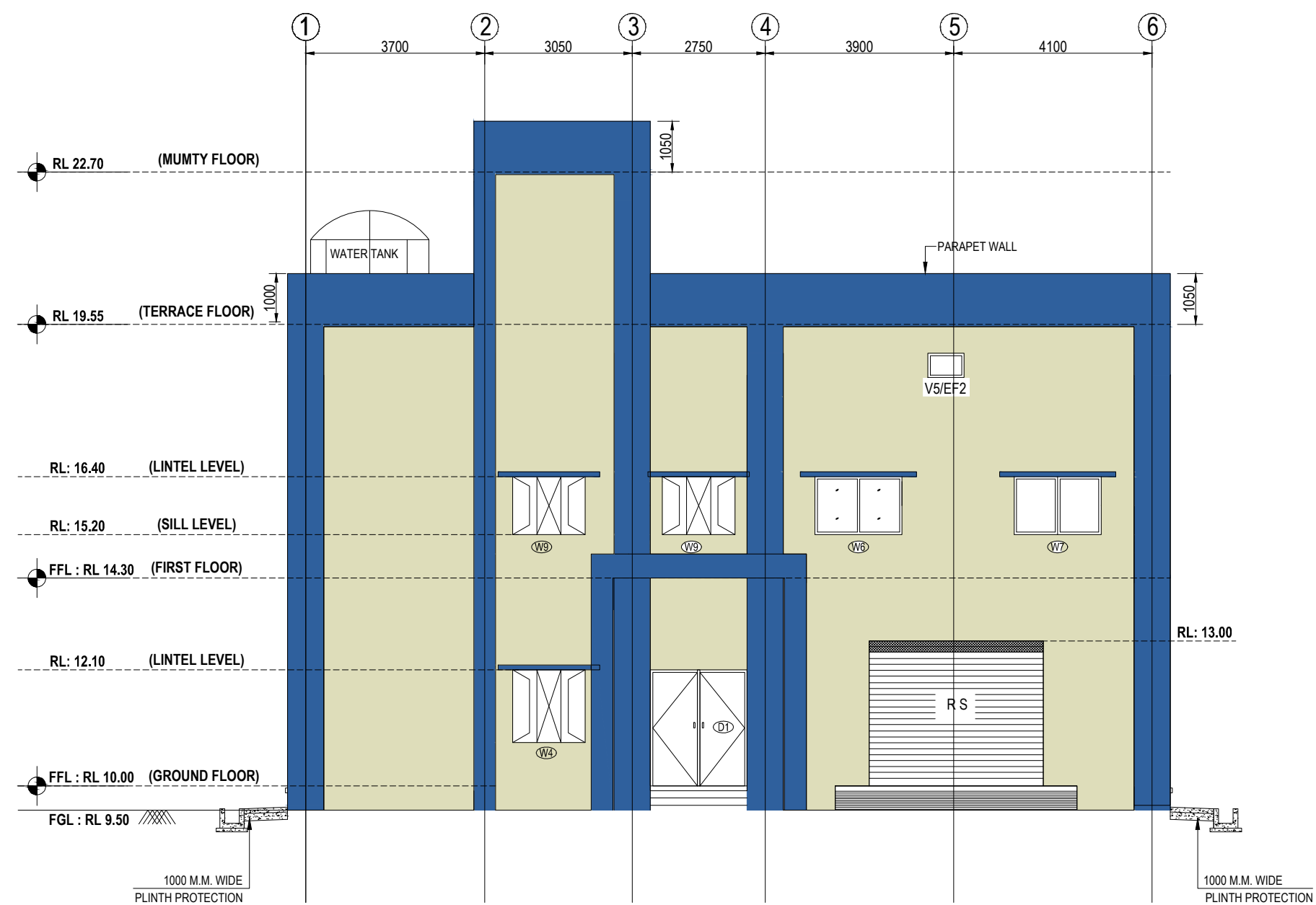
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DRAWING NO.

FIRST ANGLE PROJECTION

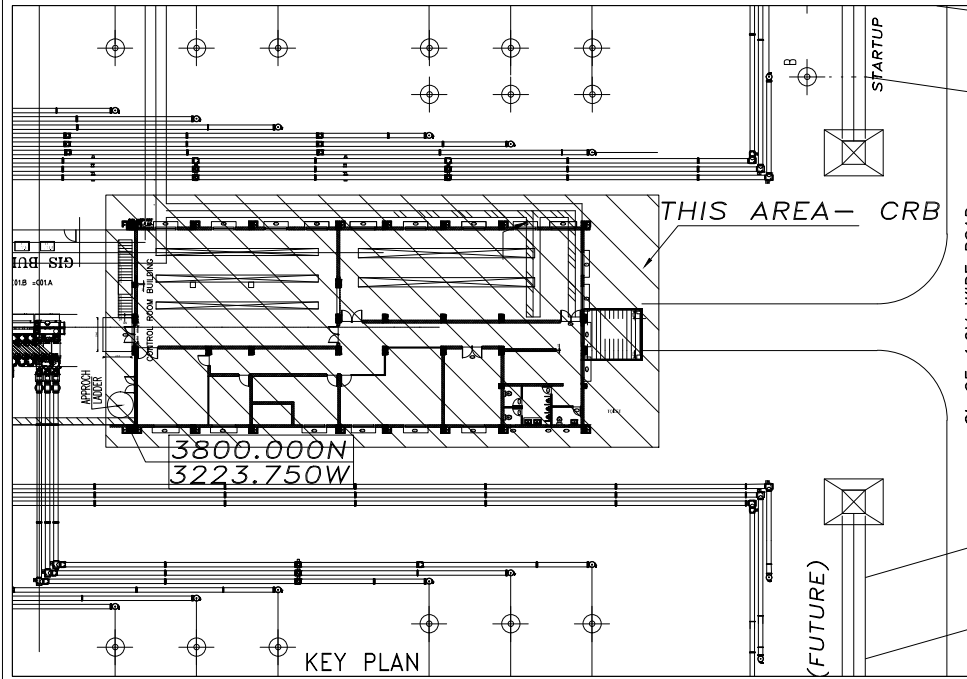
ALL DIMENSIONS ARE IN MM



ELEVATION-C



ELEVATION-D



- NOTES
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REFERENCE DRAWINGS:-

SR. NO.	DESCRIPTION	NUMBER
1	CONCEPTUAL LAYOUT OF CRB FOR SWITCHYARD	TB-378-510-004
2	FOUNDATION DETAILS OF CRB	TB-1-378-607-624

LEGENDS:-

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	115 THK. BRICK WALL
	COLUMN
	PROJECTION
	EXHAUST FAN
	FINISHED GROUND LEVEL
	FINISHED FLOOR LEVEL
	THICKNESS
	TOP OF PARAPET WALL
	TOP OF CONCRETE
	Precision AIR CONDITIONER
	SPLIT AIR CONDITIONER

PROJECT 2 X 660 MW ENNORE SEZ SUPERCRITICAL THERMAL POWER
PROJECT AT ASH DYKE OF NCTPS, CHENNAI - 120

CUSTOMER TAMILNADU GENERATION AND DISTRIBUTION CORPORATION

OWNER'S CONSULTANT DESEIN PRIVATE LIMITED
DESEIN HOUSE, GREATER KAILASH II, NEW DELHI

CONTRACTOR'S CONSULTANT DESIGN SOLUTIONS INC, SCO 43, 2nd FLOOR,
SECTOR 4, PANCHKULA, HARYANA - 134112

	BHARAT HEAVY ELECTRICALS LTD, TRANSMISSION PROJECTS DIVISION	DATE	DATE	DATE	DATE
DRN	VA				
CLC	VA				
A-PA	TYR				

DATE	15.04.2024	SCALE	1:100 (PLAN)	DATE	15.04.2024	DATE	15.04.2024	DATE	15.04.2024
1:100 (PLAN)		1:100 (PLAN)		1:100 (PLAN)		1:100 (PLAN)		1:100 (PLAN)	

ARCH. DRAWINGS- ELEVATIONS

TB-0-378-607-620-2

CONTROL ROOM BUILDING

SHEET NO. 2

SIZE-A4

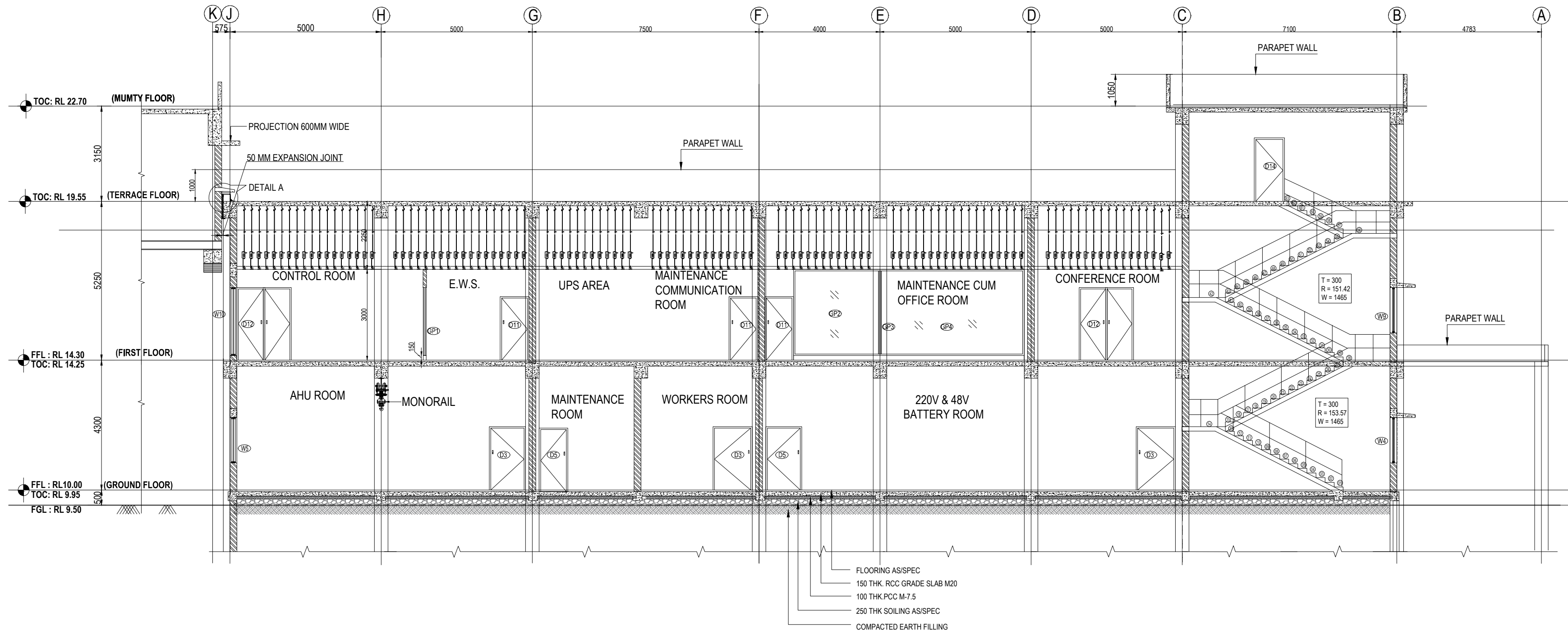
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INVENTOR NO. 2024.02.01
REV. 2024.02.01
REV. 2024.02.01

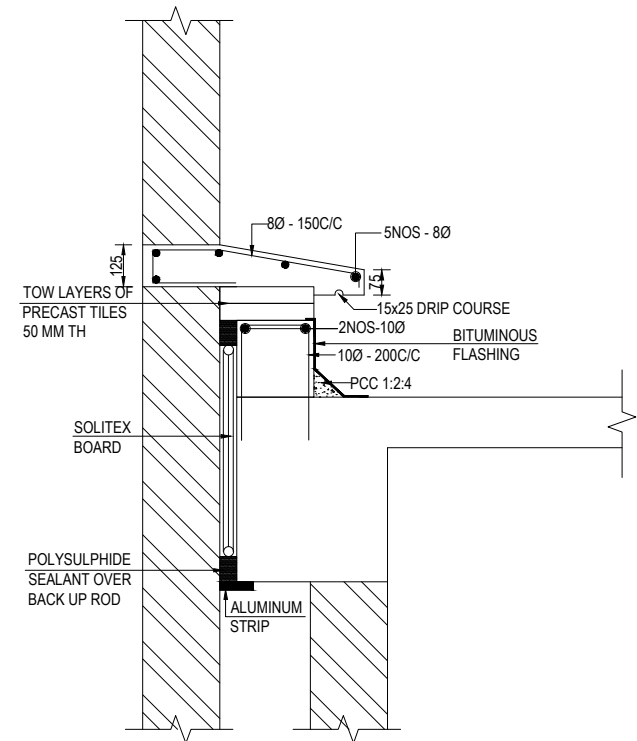
FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN MM

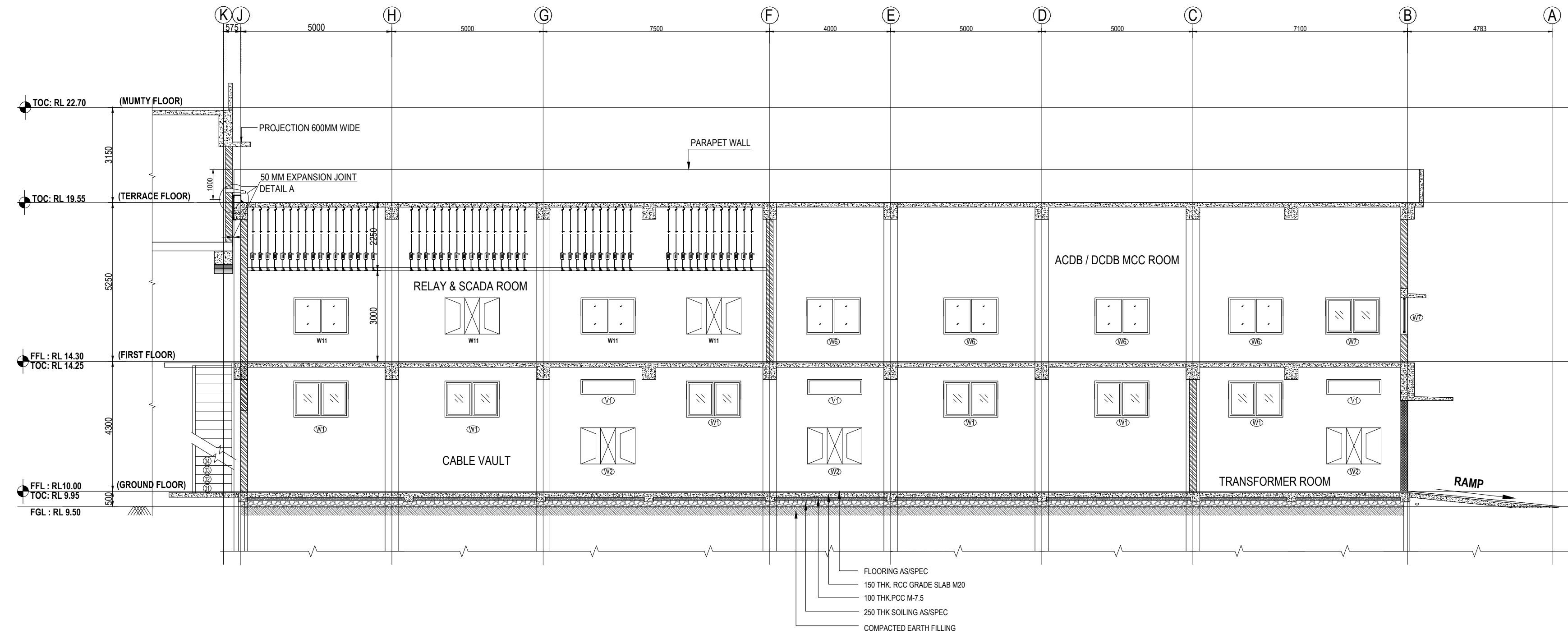
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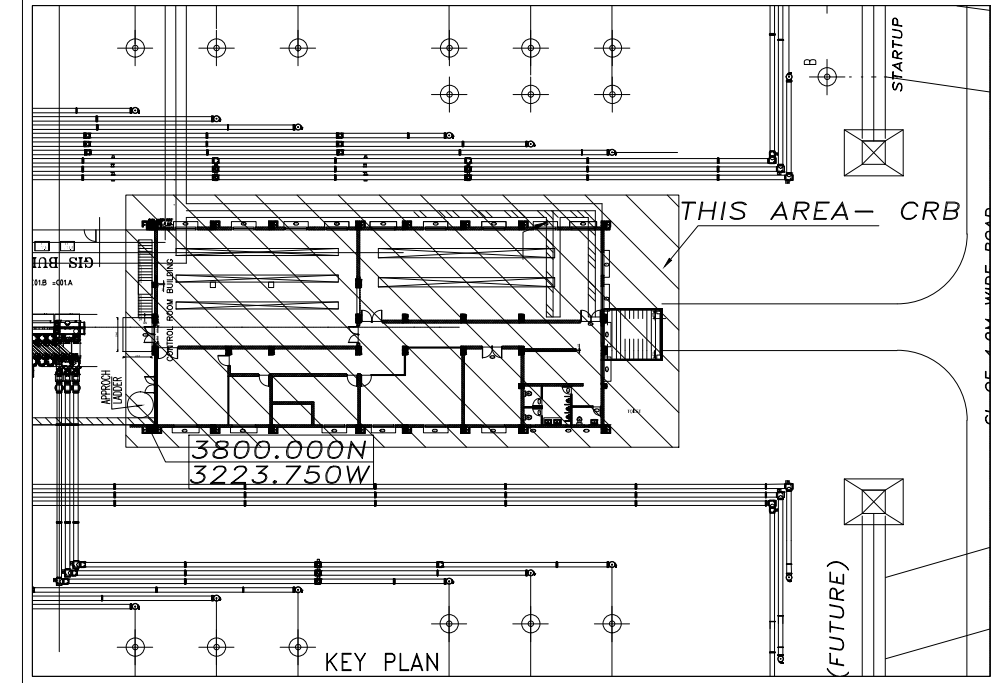
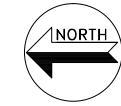
SECTION X1-X1
SCALE 1:75



TYP. DETAIL OF EXPANATION JOINT AT GIS & CRB LOCATION
(DETAIL A)
(SCALE 1:15)



SECTION X2-X2
SCALE 1:75



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	TOP OF PARAPET WALL
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PROJECT AT ASH DYKE OF NCTPS, CHENNAI - 120

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BHARAT HEAVY ELECTRICALS LTD.
TRANSMISSION PROJECTS DIVISION

CHECKED BY: [Signature] SCALE: 1:100 DATE: 2024.02.01
DRAWN BY: [Signature] DATE: 2024.02.01
APPROVED BY: [Signature] DATE: 2024.02.01

ARCHITECTURE DRAWINGS- SECTIONS
FOR CONTROL ROOM BUILDING

TB-0-378-607-620-3
SHEET NO. 1 OF 02

SHEET-03

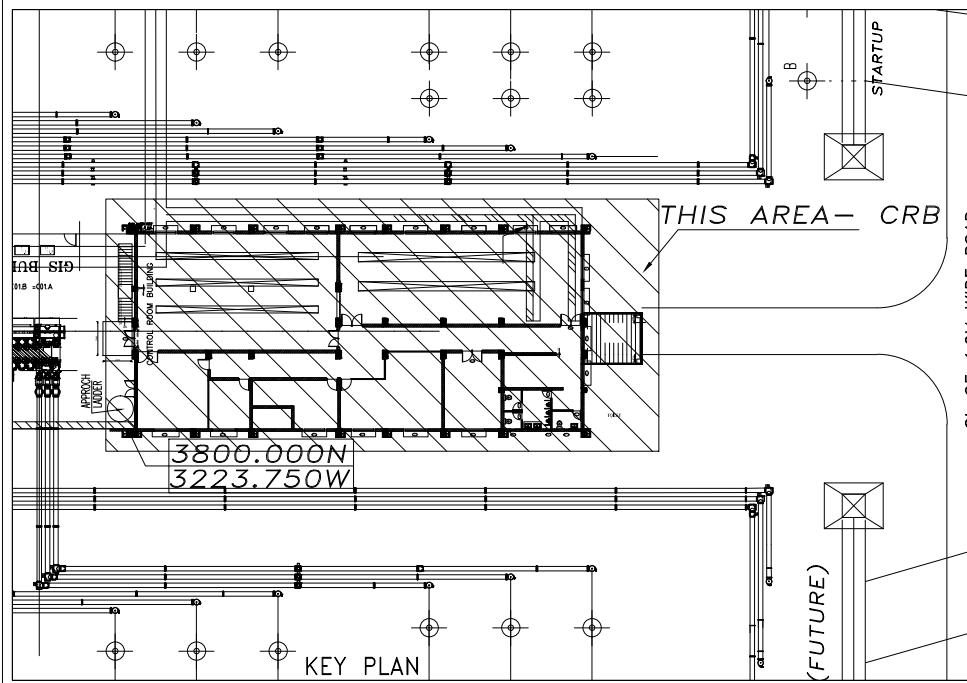
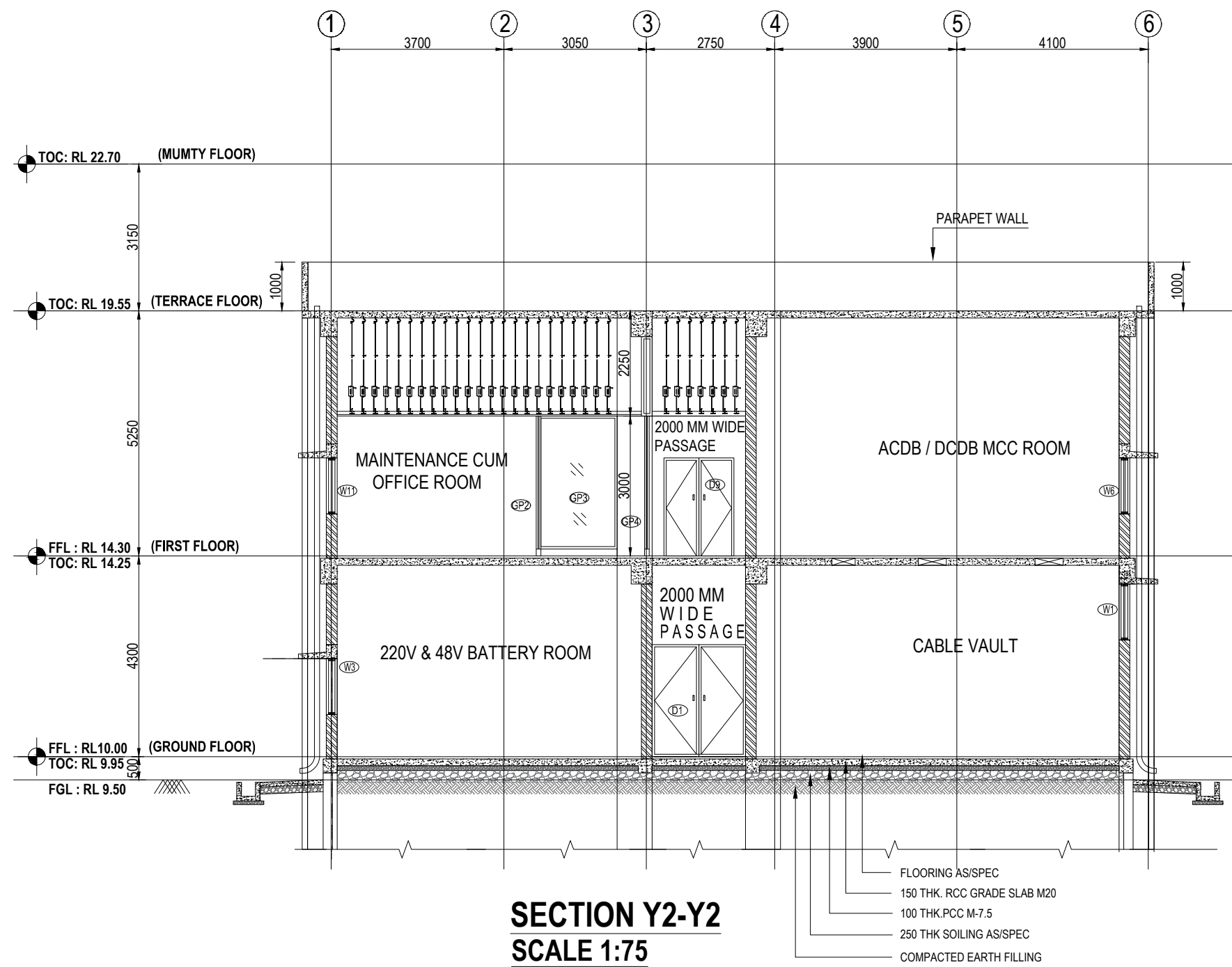
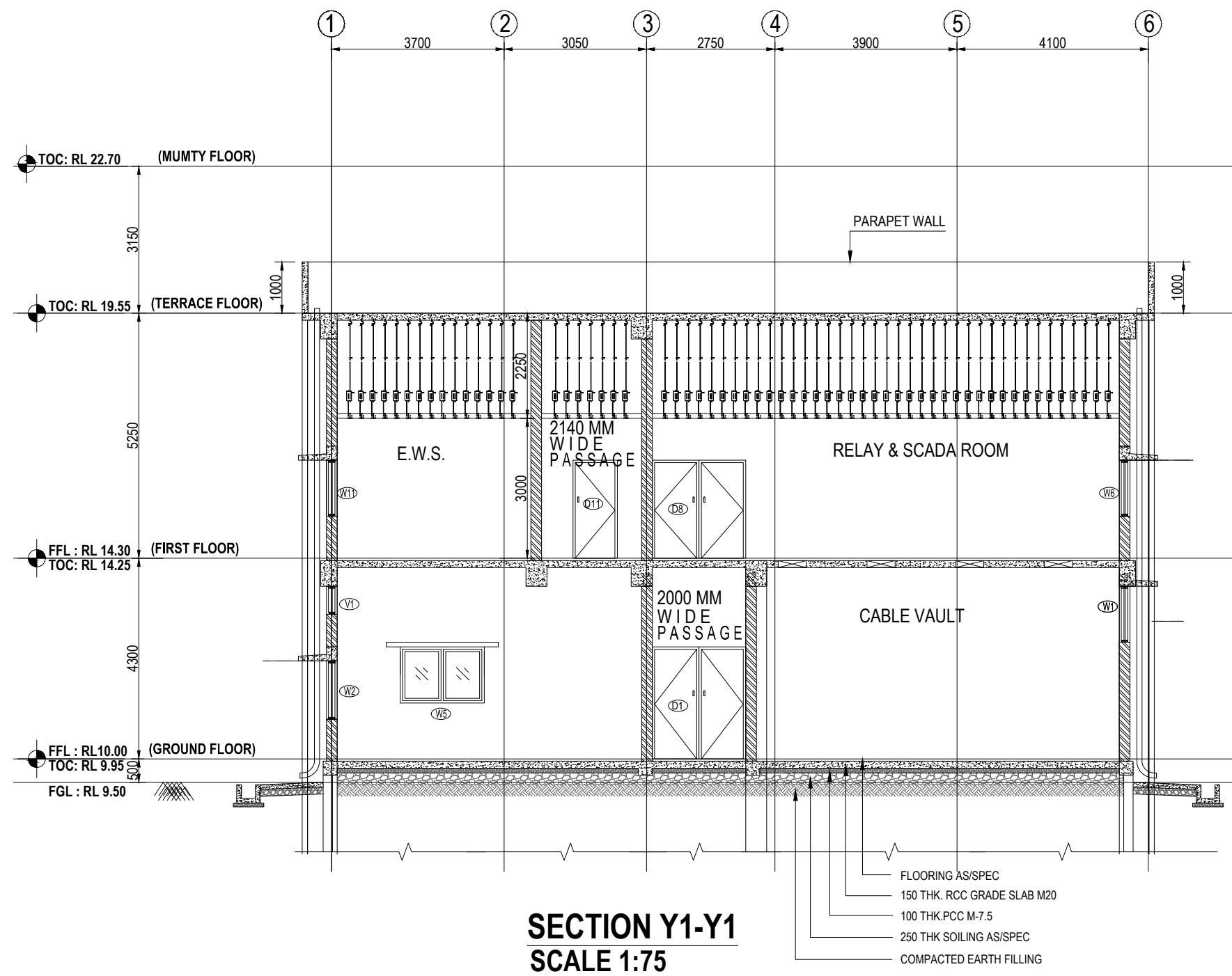
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REVISION NO. REV. DATE

FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN MM

TB-0-378-607-620-3
ARCH. DRAWING NO.



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	BHARAT HEAVY ELECTRICALS LTD. TRANSMISSION PROJECTS DIVISION	DATE	DATE	DATE	DATE
DRN	VA				
CLC	VA				
APR	TYR				

CHECKED	DESIGN	SCALE	WORKING	DATE	DATE	DATE	DATE
100%	40%						

ARCH. DRAWINGS- SECTIONS

TB-0-378-607-620-3

CONTROL ROOM BUILDING

SHEET NO. 2 NO. OF SHEETS 2

SIZE-A0