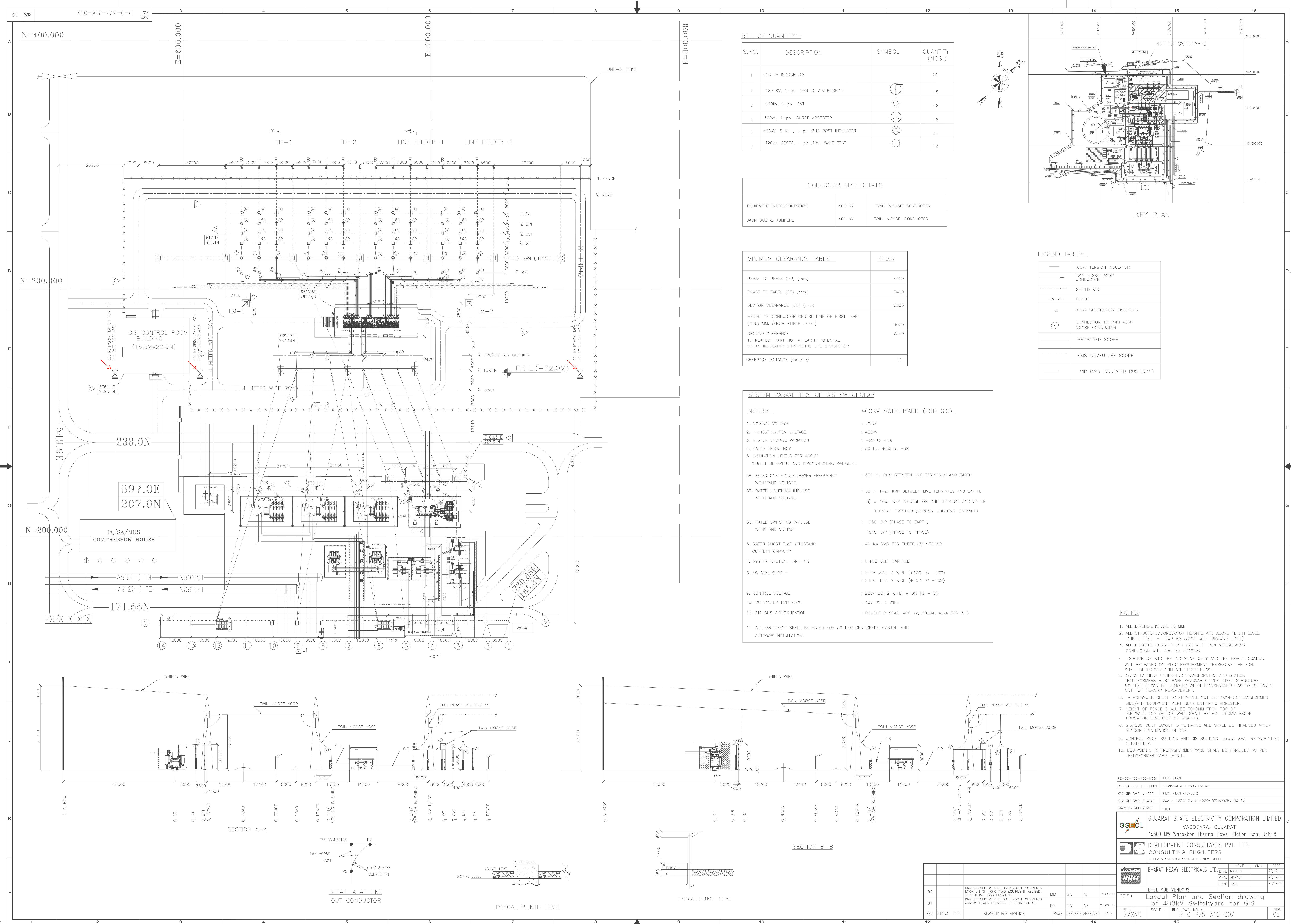
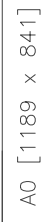
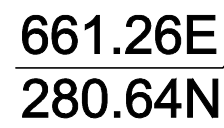








SCALE 1:100



EL	ELEVATION
SEC	SECTION
FGL	FINISHED GROUND LEVEL
TRL	TOP OF ROAD
FFL	FINISHED FLOOR LEVEL
BOB	BOTTOM OF BEAM
TOC	TOP OF CONCRETE
TOP	TOP OF PARAPET WALL
PCC	PLAIN CEMENT CONCRETE
BOCR	BOTTOM OF CRANE
DPC	DAMP PROOF COURSE
WPC	WATER PROOF COURSE
RS	ROLLING SHUTTER
D	DOOR
W	WINDOW
V	VENTILATORS
WO	WALL OPENING
GIB OP.	GIB WALL OPENING
BKT	BRACKET

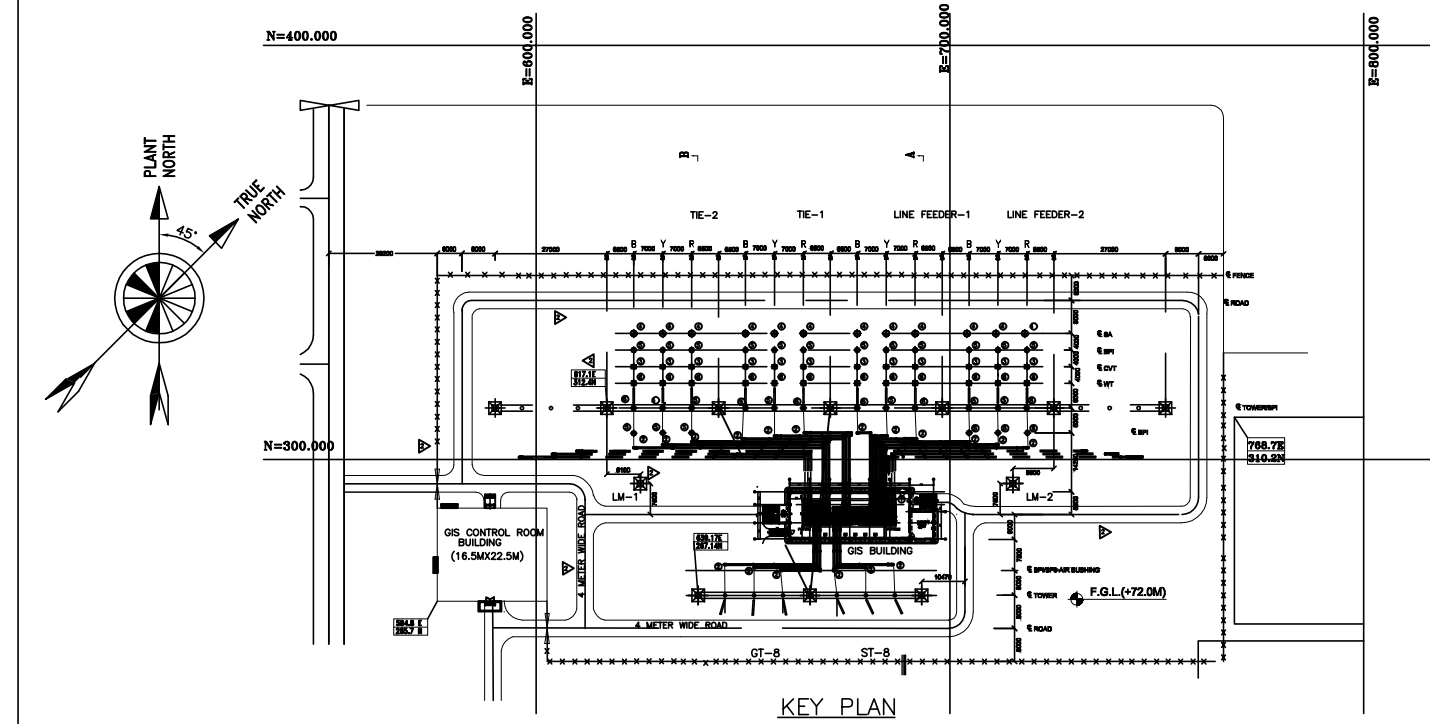
REFERENCE DRG.	TB-1-375-607-676 MISCELLANEOUS DETAIL FOR 400kv GIS BUILDING
	TB-1-375-607-675 FINISHING SCHEDULE FOR 400kv GIS BUILDING
	TB-1-375-607-674 TERRACE PLAN FOR 400kv GIS BUILDING
	TB-1-375-607-673 SECTIONS FOR 400kv GIS BUILDING
	TB-1-375-607-672 ELEVATIONS FOR 400kv GIS BUILDING
	TB-1-375-607-671 GROUND FLOOR PLAN FOR 400kv GIS BUILDING
	TB-1-375-316-002 LAYOUT PLAN AND SECTION

	GUJARAT STATE ELECTRICITY CORPORATION LIMITED VADODARA, GUJARAT 1x800 MW Wanakbori Thermal Power Station Extn. Unit-8			
	DEVELOPMENT CONSULTANTS PVT. LTD. CONSULTING ENGINEERS KOLKATA · MUMBAI · CHENNAI · NEW DELHI			
		NAME	SIGN	DATE
	DRN.	SP		
	CHD.	SK		
	APPD.	AM		

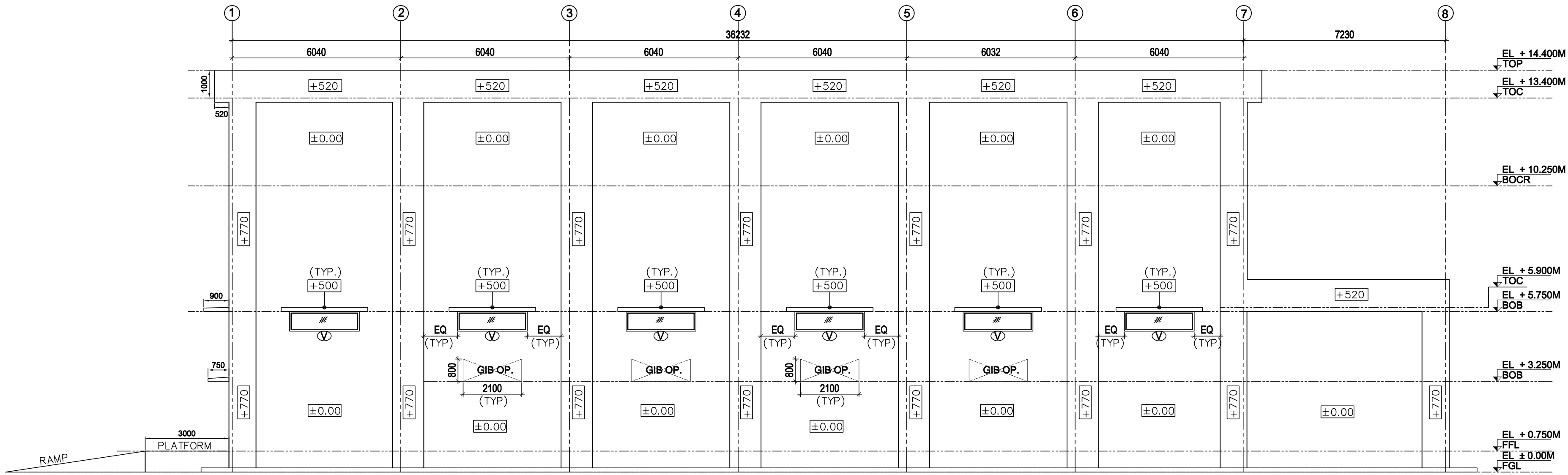
0			FIRST SUBMISSION	SP	SK	AM	14.07.16
REV.	STATUS	TYPE	REASONS FOR REVISION	DRAWN	CHECKED	APPROVED	DATE

TITLE : ARCH – GROUND FLOOR PLAN FOR 400kV GIS BUILDING

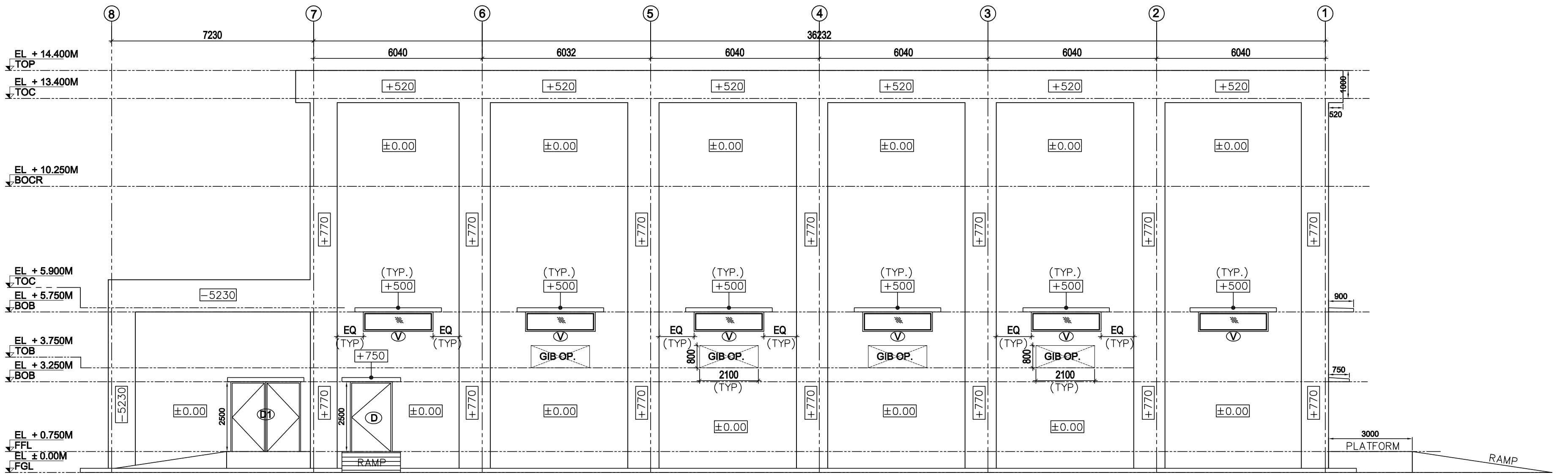
UNIT :	SCALE : 1:110	BHEL DWG. NO. : TB-1-375-607-671	REV 0
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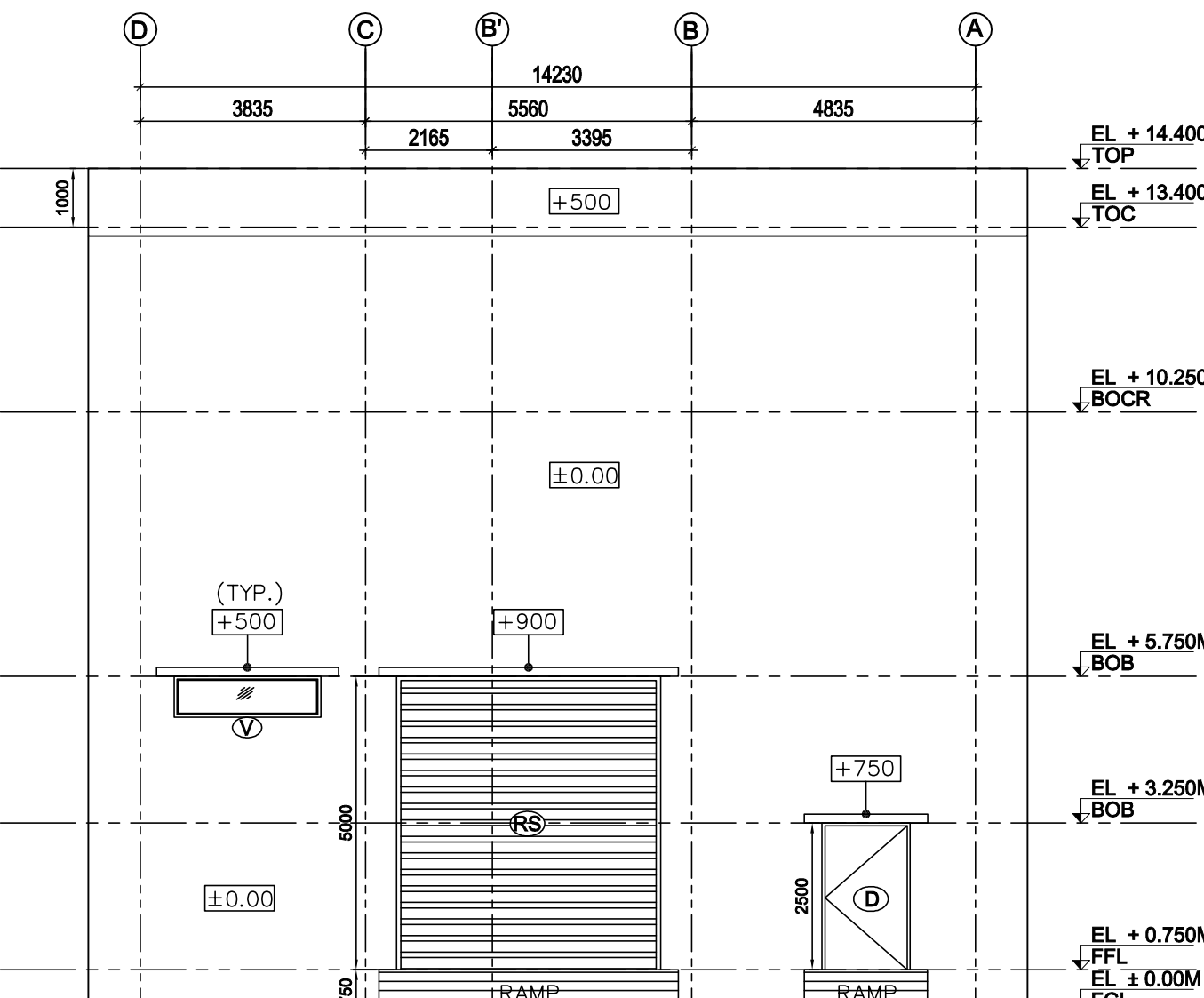
1. ONLY WRITTEN DIMENSION SHALL BE FOLLOWED DO NOT SCALE THE DRAWING.
2. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN MTR UNLESS OTHERWISE NOTED.
3. ALL MEASUREMENT MUST BE CHECKED AND VERIFIED AT SITE. ANY DISCREPANCY FOUND. TO BE NOTIFIED TO THE DESIGNER BEFORE EXECUTION.
4. FGL OF THE SWITCHYARD HAS BEEN CONSIDERED AS EL $\pm$ 0.000M. CORRESPONDING TO FGL 72.00 M.
5. ALL DIMENSIONS SHOWN IN THE DRAWING ARE CLEAR DIMENSIONS.
7. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION, SCHEDULE OF ITEM & OTHER ARCHITECTURAL DRAWING.
8. FOR LOCATION OF FLOOR OPENINGS STRICTLY REFER RELEVANT STRUCTURAL DRAWING.
9. DOOR & WINDOW WIDTH MENTIONED IN THE SCHEDULE ARE CLEAR MASONARY OPENING IN WALL.
10. THE DOOR HEIGHT MENTIONED IN THE SHALL BE FROM THE FFL.
11. ALL THE DIMENSIONS OF THE ROOM ARE WALL TO WALL CLEAR DIMENSIONS.
12. DOORS & WINDOWS HAVE BEEN CHECKED FROM SPECIFICATION. FOR RAMP DETAILS ETC REF. MISCELLANEOUS DRG.
13. OPENING FOR GIB EXACT LOCATION TO BE FINALISED LATER
14. OPENING FOR VENT FAN TO BE FINALISED LATER



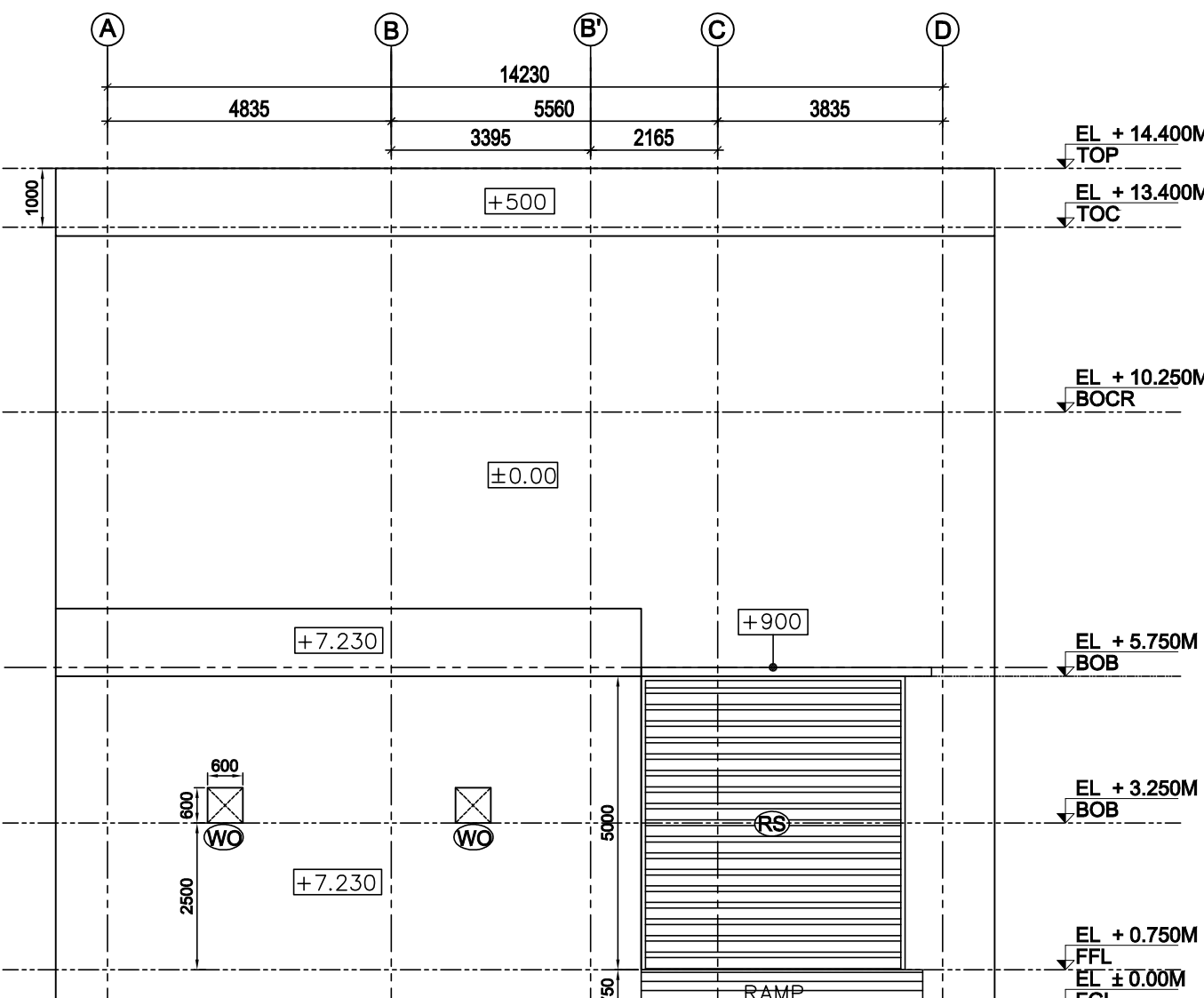
ELEVATION - A
SCALE 1:100



ELEVATION - B
SCALE 1:100



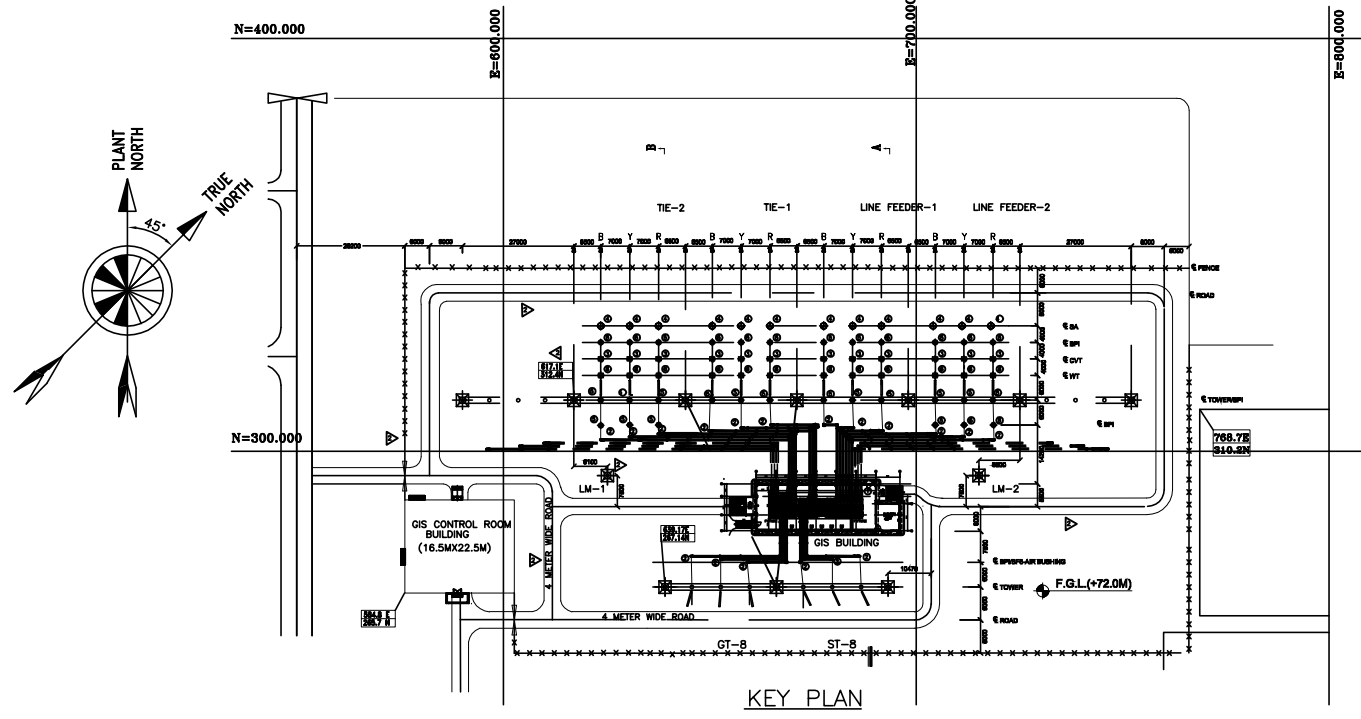
ELEVATION - C
SCALE 1:100



ELEVATION - D
SCALE 1:100

LEGEND :-

EL	ELEVATION
SEC	SECTION
FGL	FINISHED GROUND LEVEL
TRL	TOP OF ROAD
FFL	FINISHED FLOOR LEVEL
BOB	BOTTOM OF BEAM
TOC	TOP OF CONCRETE
TOP	TOP OF PARAPET WALL
PCC	PLAIN CEMENT CONCRETE
BOCR	BOTTOM OF CRANE
DPC	DAMP PROOF COURSE
WPC	WATER PROOF COURSE
RS	ROLLING SHUTTER
D	DOOR
W	WINDOW
V	VENTILATORS
WO	WALL OPENING
GIB OP.	GIB WALL OPENING
BKT	BRACKET



GENERAL NOTES :-

- ONLY WRITTEN DIMENSION SHALL BE FOLLOWED DO NOT SCALE THE DRAWING.
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- ALL MEASUREMENT MUST BE CHECKED AND VERIFIED AT SITE. ANY DISCREPANCY FOUND. TO BE NOTIFIED TO THE DESIGNER BEFORE EXECUTION.
- FGL OF THE SWITCHYARD HAS BEEN CONSIDERED AS EL ± 0.000M. CORRESPONDING TO FGL 72.00 M.
- ALL DIMENSIONS SHOWN IN THE DRAWING ARE CLEAR DIMENSIONS.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION, SCHEDULE OF ITEM & OTHER ARCHITECTURAL DRAWING.
- FOR LOCATION OF FLOOR OPENINGS STRICTLY REFER RELEVANT STRUCTURAL DRAWING.
- DOOR & WINDOW WIDTH MENTIONED IN THE SCHEDULE ARE CLEAR MASONRY OPENING IN WALL.
- THE DOOR HEIGHT MENTIONED IN THE SHALL BE FROM THE FFL.
- ALL THE DIMENSIONS OF THE ROOM ARE WALL TO WALL CLEAR DIMENSIONS.
- DOORS & WINDOWS HAVE BEEN CHECKED FROM SPECIFICATION. FOR RAMP DETAILS ETC REF. MISCELLANEOUS DRG.
- OPENING FOR GIB EXACT LOCATION TO BE FINALISED LATER
- OPENING FOR VENT FAN TO BE FINALISED LATER

SCHEDULE OF DOOR / WINDOW OPENING (GROUND FLOOR AT RL+ 0.750M FFL)						
S.NO.	TYPE.	SIZE	SILL LVL.	LINTEL LVL.	NOS.	REMARK
1.	RS	4500x5000	-	5000	02	MS ROLLING SHUTTER AS/SPEC
2.	D	1500x2500	-	2500	02	FIRE PROOF DOOR MIN.2HR FIRE RATING AS/SPAC
3.	V	2500x700	4300	5000	14	ALUMINUM GLAZED VENTILATORS AS/SPAC
4.	AF	450x450	8750	9200	12	WALL OPENING
5.	D1	2500x2500	-	2500	01	DOUBLE LEAF STEEL DOOR AS/SPEC

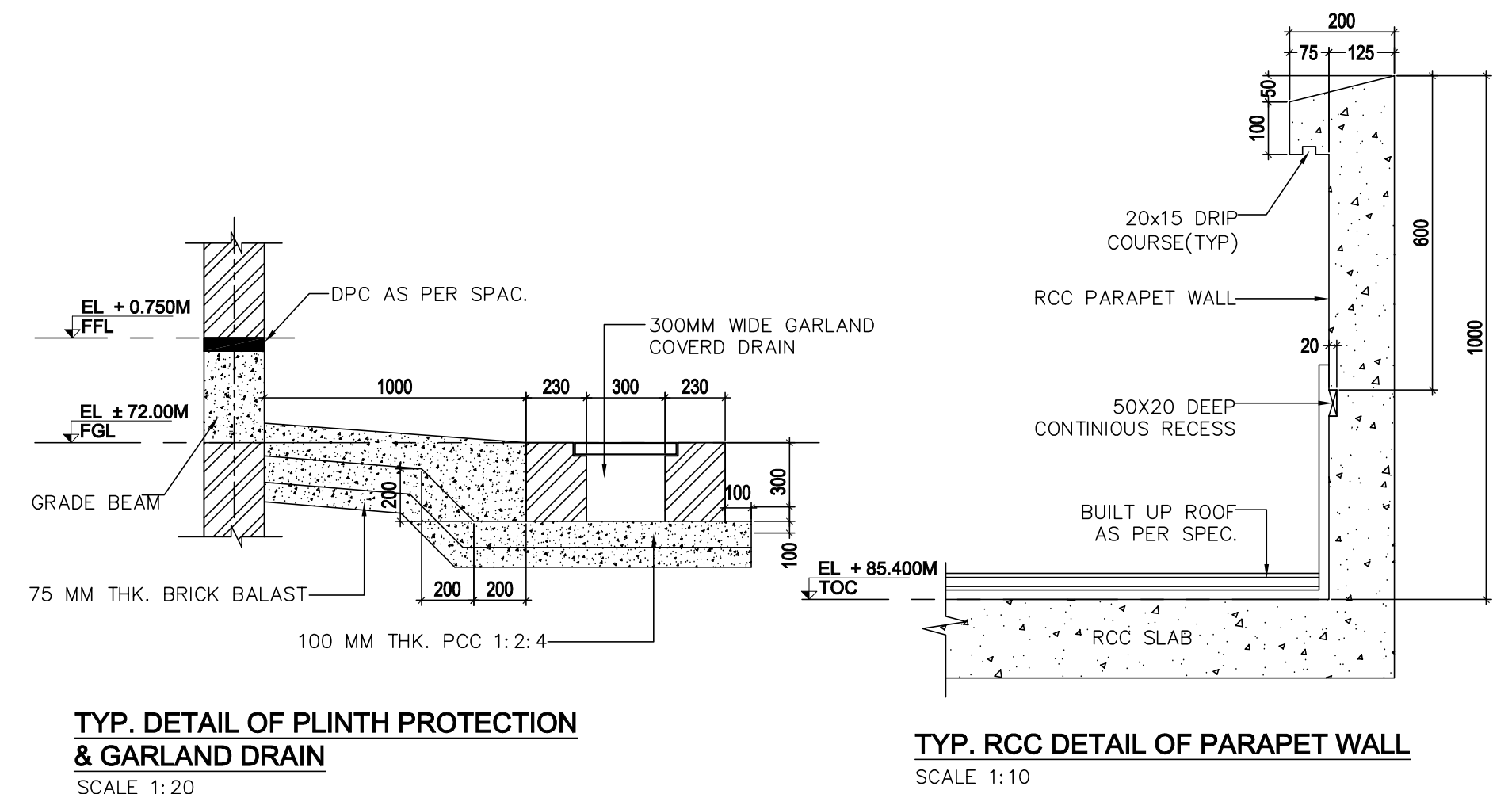
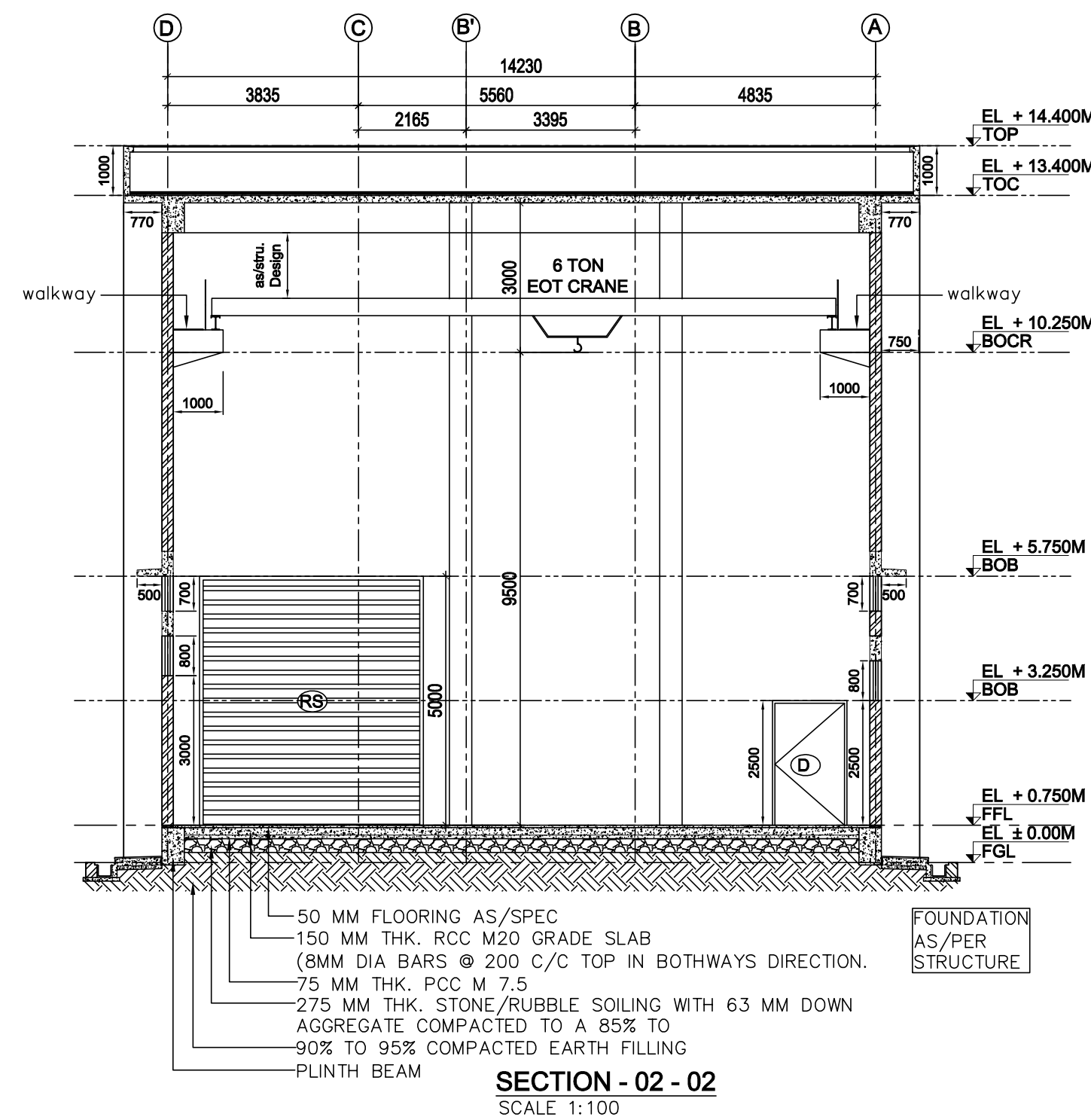
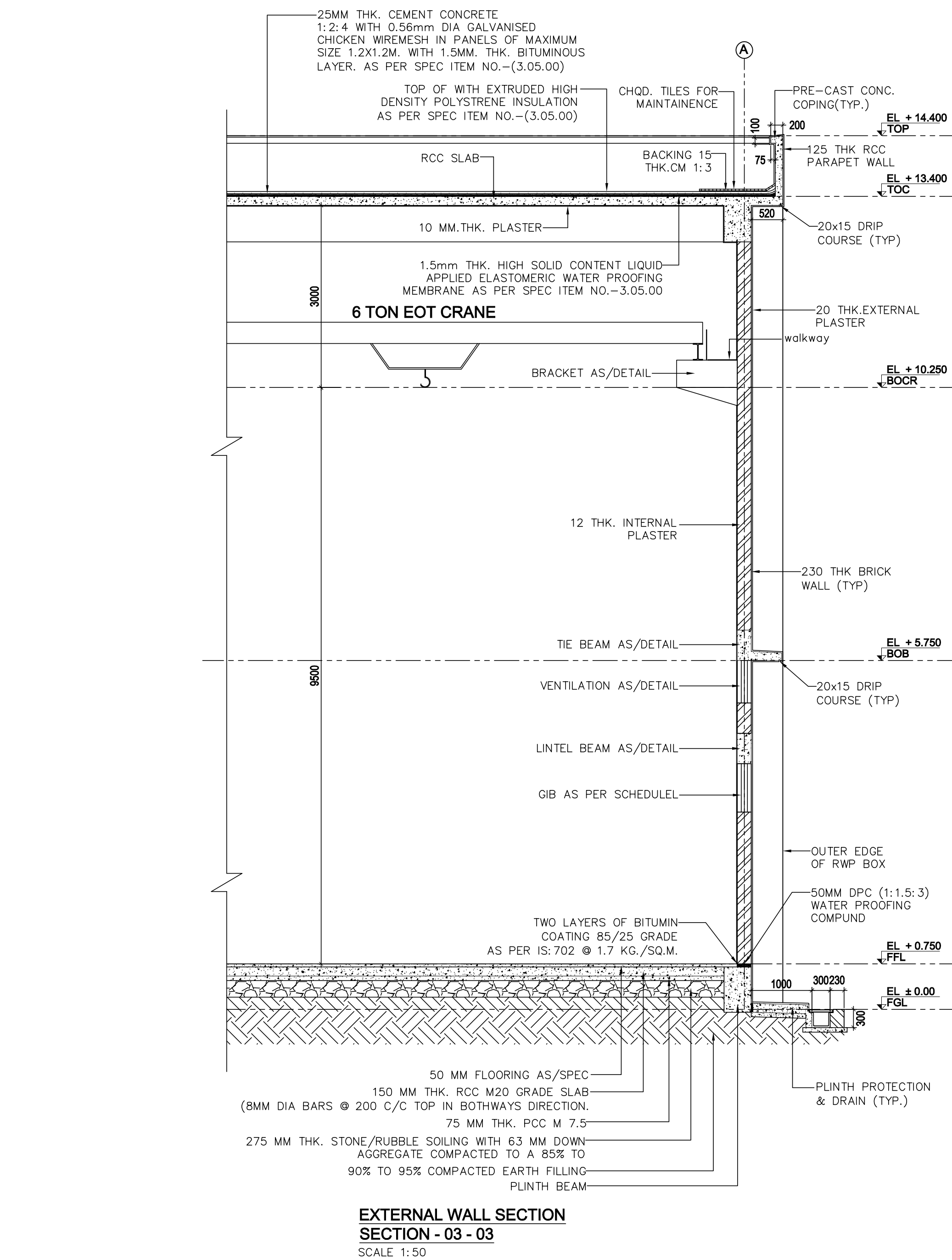
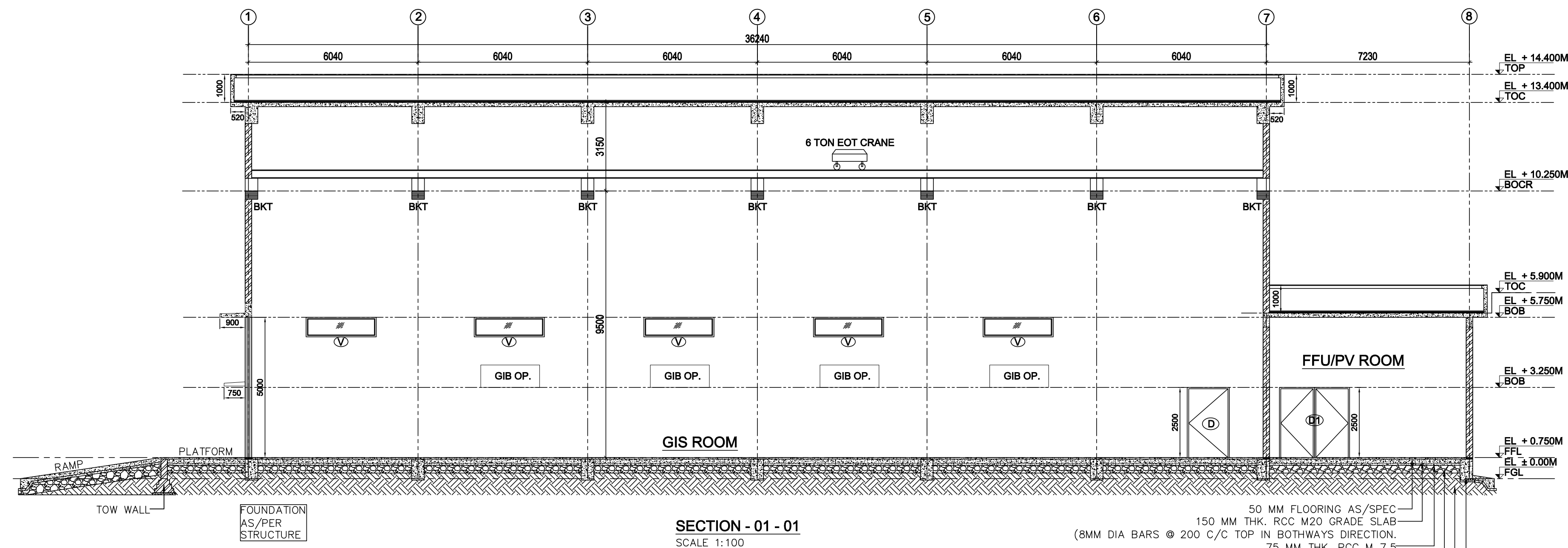
REFERENCE	TB-1-375-607-676 MISCELLANEOUS DETAIL FOR 400kV GIS BUILDING
REFERENCE	TB-1-375-607-675 FINISHING SCHEDULE FOR 400kV GIS BUILDING
REFERENCE	TB-1-375-607-674 TERRACE PLAN FOR 400kV GIS BUILDING
REFERENCE	TB-1-375-607-673 SECTIONS FOR 400kV GIS BUILDING
REFERENCE	TB-1-375-607-672 ELEVATIONS FOR 400kV GIS BUILDING
REFERENCE	TB-1-375-607-671 GROUND FLOOR PLAN FOR 400kV GIS BUILDING
REFERENCE	TB-1-375-316-002 LAYOUT PLAN AND SECTION

	GUJARAT STATE ELECTRICITY CORPORATION LIMITED			
	VADODARA, GUJARAT			
	1x800 MW Wanakbori Thermal Power Station Extn. Unit-8			
	CONSULTING ENGINEERS			
	KOLKATA · MUMBAI · CHENNAI · NEW DELHI			
	BHARAT HEAVY ELECTRICALS LTD.			
	DRN.	NAME	SIGN	DATE
	CHD.	SK		
	APPD.	AM		

TITLE : ARCH - ELEVATIONS FOR 400kV GIS BUILDING

REV.	STATUS	TYPE	REASONS FOR REVISION	DRAWN	CHECKED	APPROVED	DATE
0			FIRST SUBMISSION	SP	SK	AM	14.07.16

UNIT :	SCALE :	1:110	BHEL DWG. NO. :	TB-1-375-607-672	REV	0
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LEGEND :-	
EL	ELEVATION
SEC	SECTION
FGL	FINISHED GROUND LEVEL
TRL	TOP OF ROAD
FFL	FINISHED FLOOR LEVEL
BOB	BOTTOM OF BEAM
TOC	TOP OF CONCRETE
TOP	TOP OF PARAPET WALL
PCC	PLAIN CEMENT CONCRETE
BOCR	BOTTOM OF CRANE
DPC	DAMP PROOF COURSE
WPC	WATER PROOF COURSE
RS	ROLLING SHUTTER
D	DOOR
W	WINDOW
V	VENTILATORS
WO	WALL OPENING
GIB OP.	GIB WALL OPENING
BKT	BRACKET

REFERENCE NO.

TB-1-375-607-676 MISCELLANEOUS DETAIL FOR 400kv GIS BUILDING

TB-1-375-607-675 FINISHING SCHEDULE FOR 400kv GIS BUILDING

TB-1-375-607-674 TERRACE PLAN FOR 400kv GIS BUILDING

TB-1-375-607-673 SECTIONS FOR 400kv GIS BUILDING

TB-1-375-607-672 ELEVATIONS FOR 400kv GIS BUILDING

TB-1-375-607-671 GROUND FLOOR PLAN FOR 400kv GIS BUILDING

TB-1-375-316-002 LAYOUT PLAN AND SECTION

GSECL

GUJARAT STATE ELECTRICITY CORPORATION LIMITED

VADODARA, GUJARAT

1x800 MW Wanakbori Thermal Power Station Extn. Unit-8

DEVELOPMENT CONSULTANTS PVT. LTD.

CONSULTING ENGINEERS

KOLKATA · MUMBAI · CHENNAI · NEW DELHI

भारत भारी बिजली

BHEL

BHARAT HEAVY ELECTRICALS LTD.

NAME

SIGN

DATE

DRN.

SP

CHD.

SK

APPD.

AM

TITLE :

ARCH – SECTIONS FOR 400kv GIS BUILDING

UNIT :

SCALE :

1:110

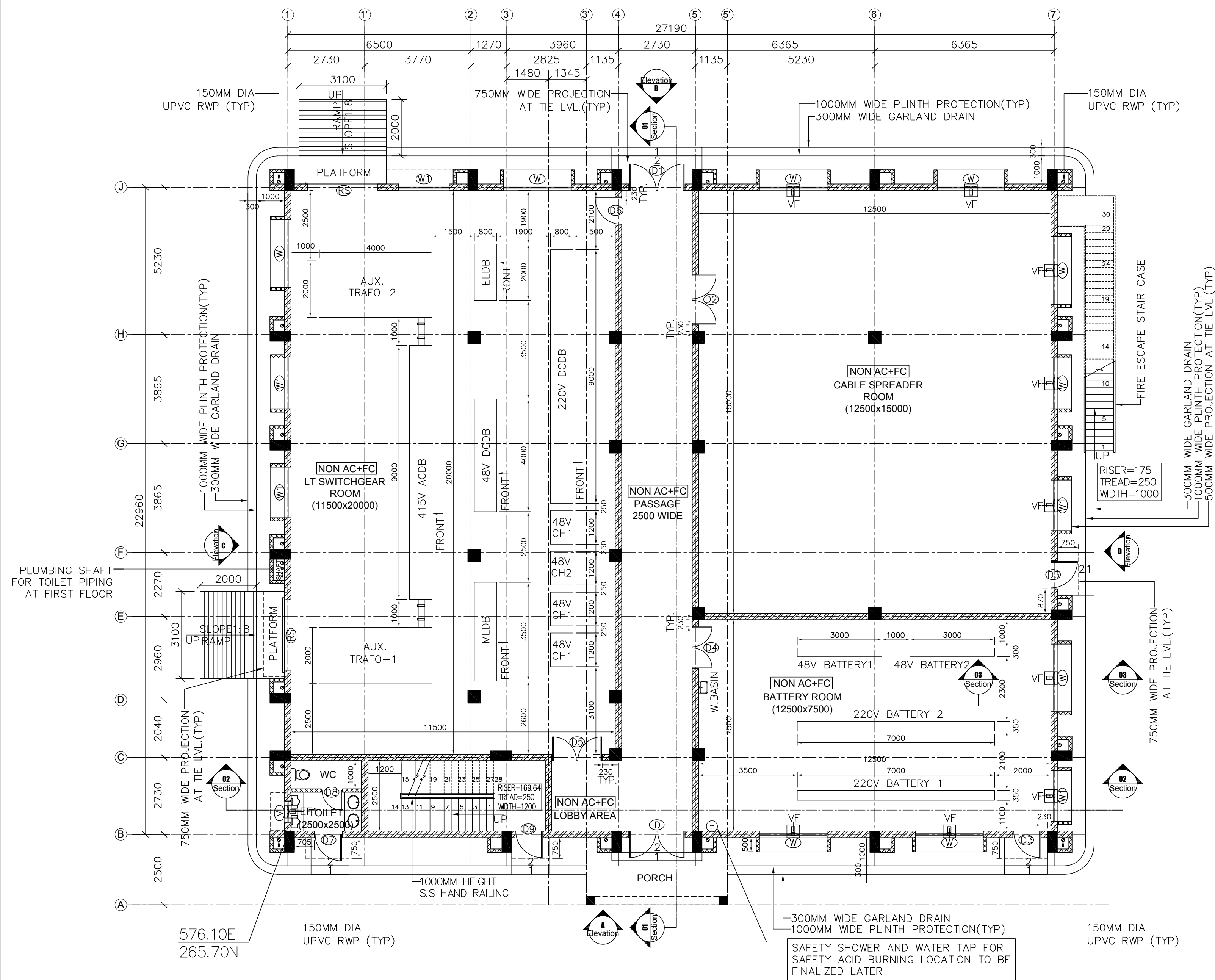
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TB-1-375-607-673

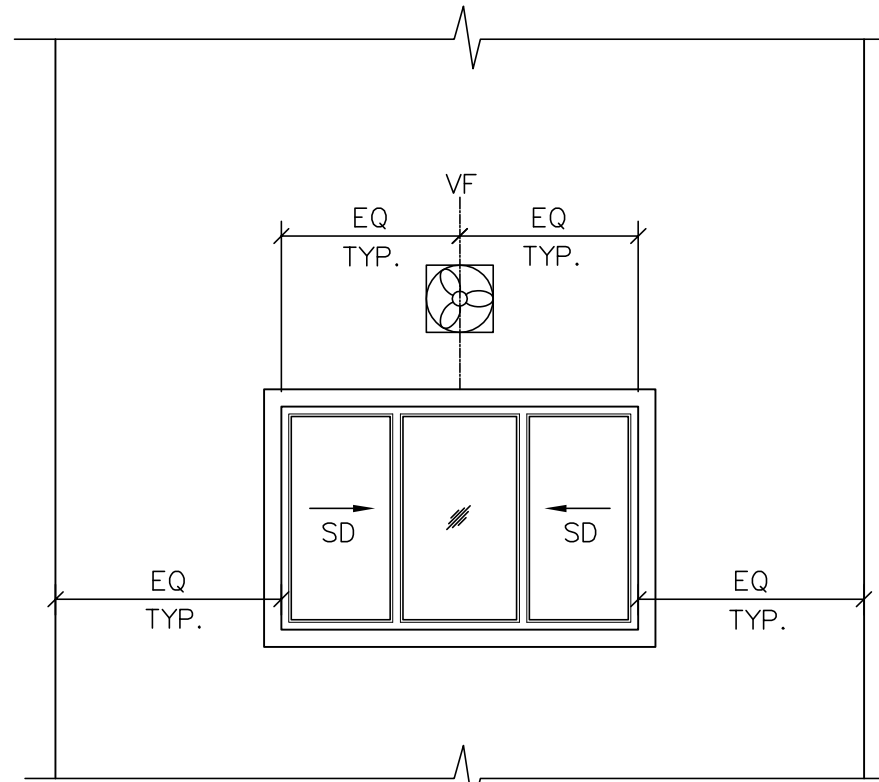
REV

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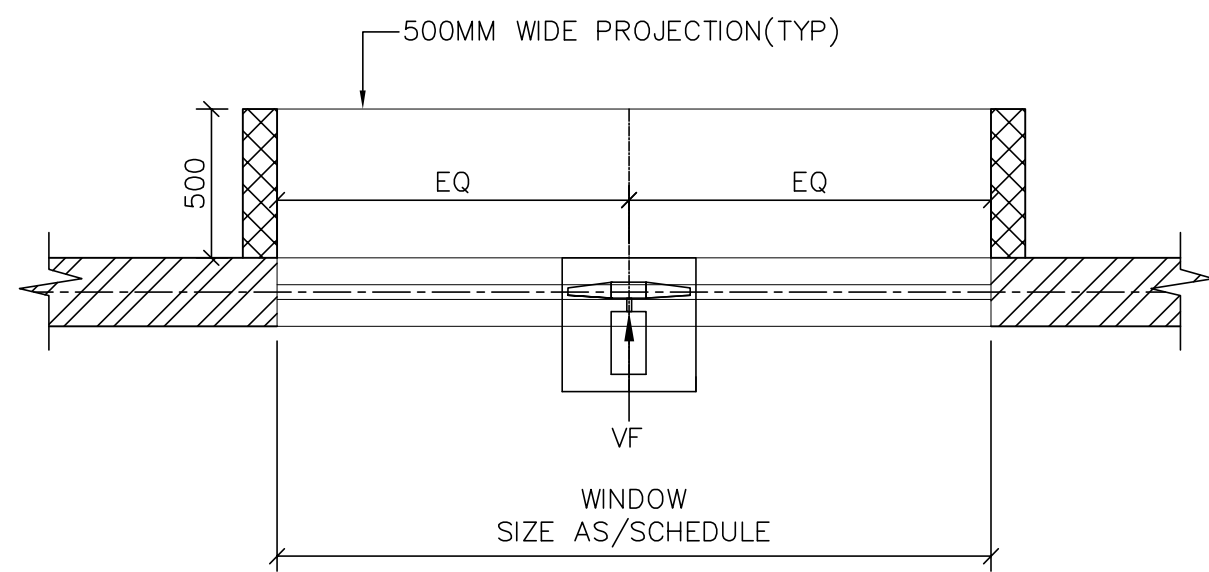
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REV.	STATUS	TYPE	REASONS FOR REVISION	DRAWN	CHECKED	APPROVED		DATE



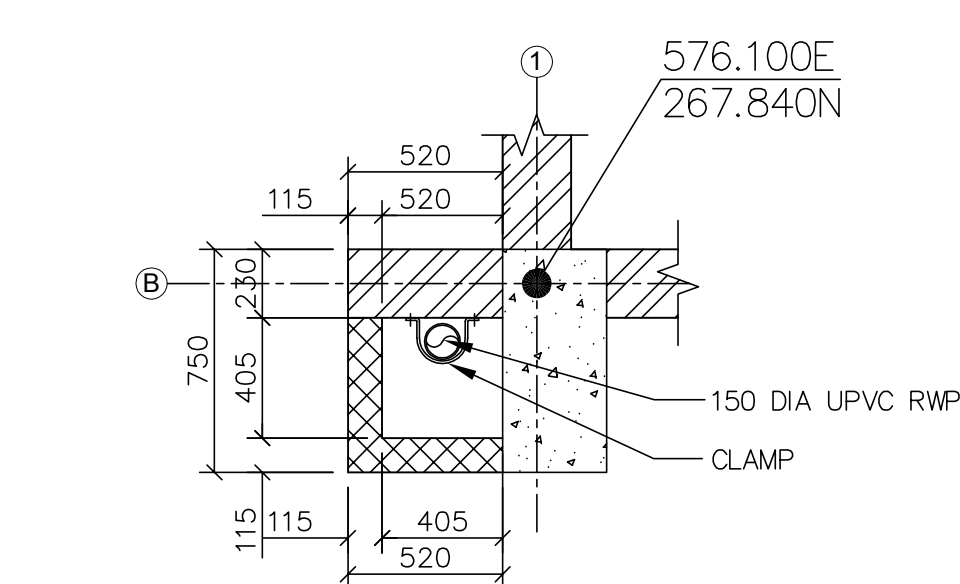
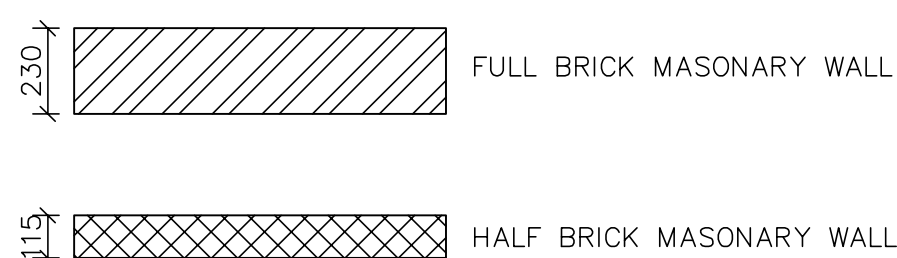
GROUND FLOOR PLAN AT RL 72.50M FFL
SCALE 1:100



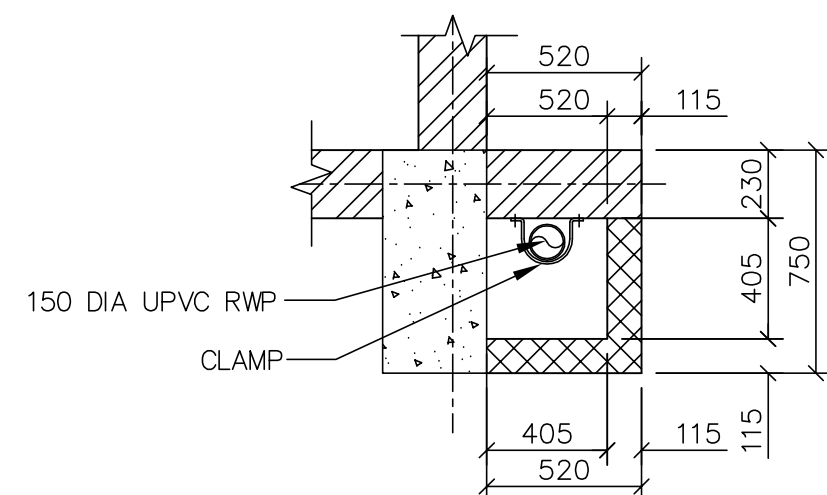
TYPICAL EF/EF1 DETAIL
SCALE 1:50



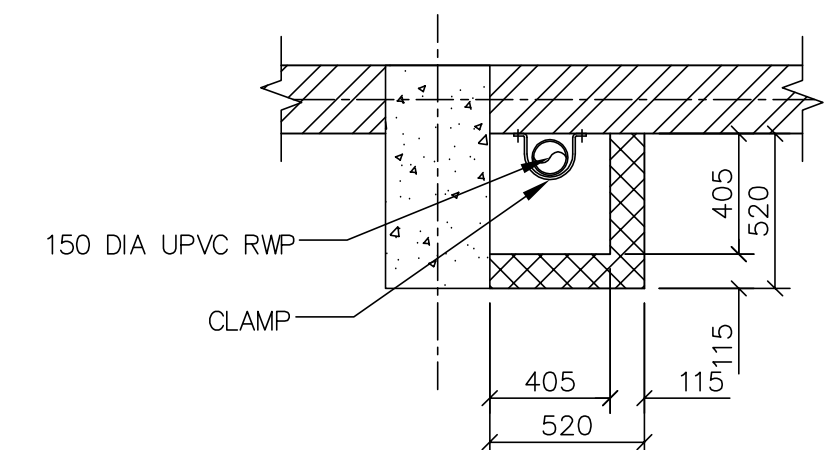
TYP. BOX CHAJJA DETAIL
SCALE 1:25



CORNER CO-ORDINATE DETAIL
SCALE 1:25



TYP. RAIN WATER CORNER
FIXING DETAIL
SCALE 1: 25

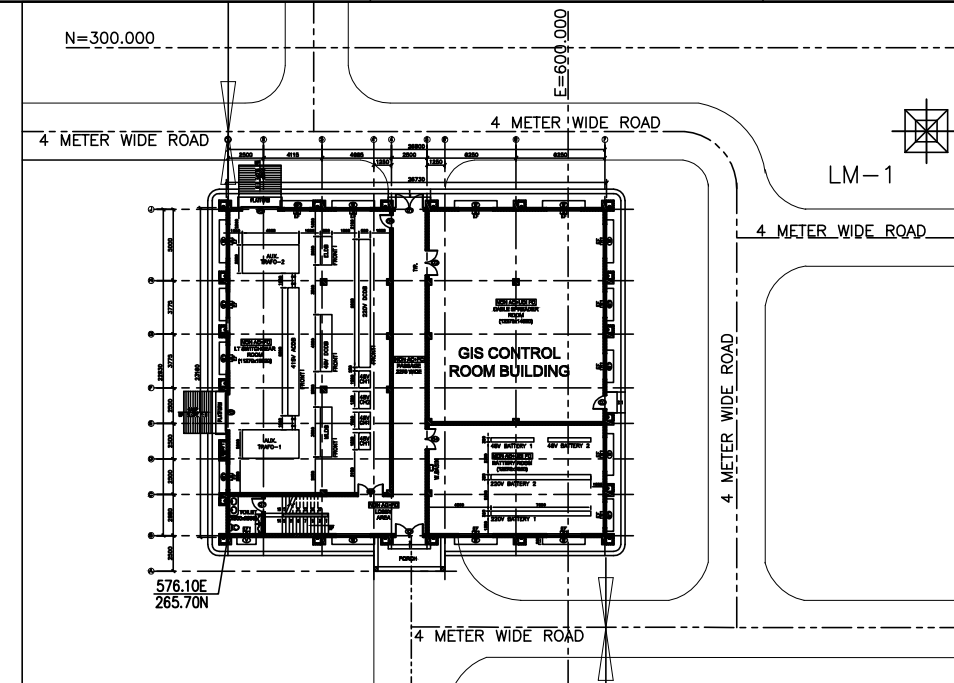
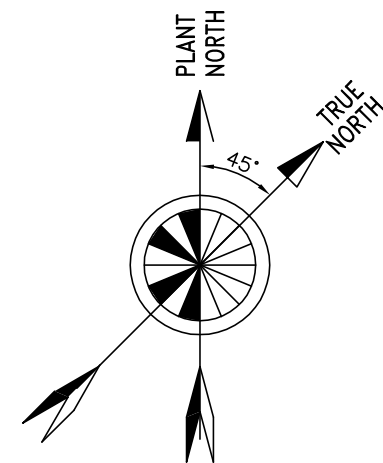


TYP. RAIN WATER
FIXING DETAIL
SCALE 1: 25

LEGEND :-

RL	REDUCED LEVEL
FGL	FINISHED GROUND LEVEL
TRL	TOP OF ROAD
FFL	FINISHED FLOOR LEVEL
BOB	BOTTOM OF BEAM
TOC	TOP OF CONCRETE
TOP	TOP OF PARAPET WALL
PCC	PLAIN CEMENT CONCRETE
TRL	TOP OF ROAD
AC+FC	AIR COND. AND FALSE CEILING
NON AC+FC	WITH OUT AIR COND. AND FALSE CEILING
UDI	UNDER DECK INSULATION
BFC	BOTTOM OF FALSE CEILING
DPC	DAMP PROOF COURSE
WPC	WATER PROOF COURSE
D	DOOR
W	WINDOW
EF	EXHAUST FAN
VF	VENTILATOR FAN
WB	WASH BASIN
SD	SLIDING (WINDOW)

01			2nd SUBMISSION AS PER GSECL COMMENTS	SP	SK	AM	18.07.1
00			FIRST SUBMISSION	SP	SK	AM	25.05.1
REV.	STATUS	TYPE	REASONS FOR REVISION	DRAWN	CHECKED	APPROVED	DATE



KEY PLAN

GENERAL NOTES :-

1. ONLY WRITTEN DIMENSION SHALL BE FOLLOWED DO NOT SCALE THE DRAWING.
2. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN MTR UNLESS OTHERWISE NOTED.
3. ALL MEASUREMENT MUST BE CHECKED AND VERIFIED AT SITE. ANY DISCREPANCY FOUND. TO BE NOTIFIED TO THE DESIGNER BEFORE EXECUTION.
4. FGL OF THE SITE HAS BEEN CONSIDERED AS FGL $\pm 0.00 = RL 72.00M$. LEVEL a.m.s.l.
5. ALL DIMENSIONS SHOWN IN THE DRAWING ARE CLEAR DIMENSIONS.
7. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION, SCHEDULE OFITEM & OTHER ARCHITECTURAL DRAWING.
8. FOR LOCATION OF FLOOR OPENINGS STRICTLY REFER RELEVANT STRUCTURAL DRAWING.
10. DOOR & WINDOW WIDTH MENTIONED IN THE SCHEDULE ARE CLEAR MASONRY OPENING IN WALL.
11. THE DOOR HEIGHT MENTIONED IN THE SHALL BE FROM THE FFL.
12. ALL THE DIMENSIONS OF THE ROOM ARE WALL TO WALL CLEAR DIMENSIONS.
13. HVAC SYSTEM SHALL BE SHOWN IN SEPARATE DRAWING IN GROUND FLOOR & FIRST FLOOR DRG.
14. CEILING SUSPENDED DUCTED AC UNITS ARE TO BE PROVIDED IN CONTROL ROOM HAS THE 450 kg. (ALPROX.) AS DYNAMIC LOAD.
15. MASONRY IN WALL TO AC SYSTEM SHALL BE SHOWN IN SEPARATE DRG. OR MISCELLANEOUS DRG.
16. BATTERY ROOM SHALL CONSIST ACID RESISTANT BRICK TILING AND WALL AS PER IS STANDARDS.
17. DOORS & WINDOWS HAVE BEEN CHECKED FROM SPECIFICATION. FOR RAMP DETAILS ETC REF. MISCELLANEOUS DRG.

SCHEDULE OF DOOR / WINDOW OPNING (GROUND FLOOR RL 72.50M FFL)

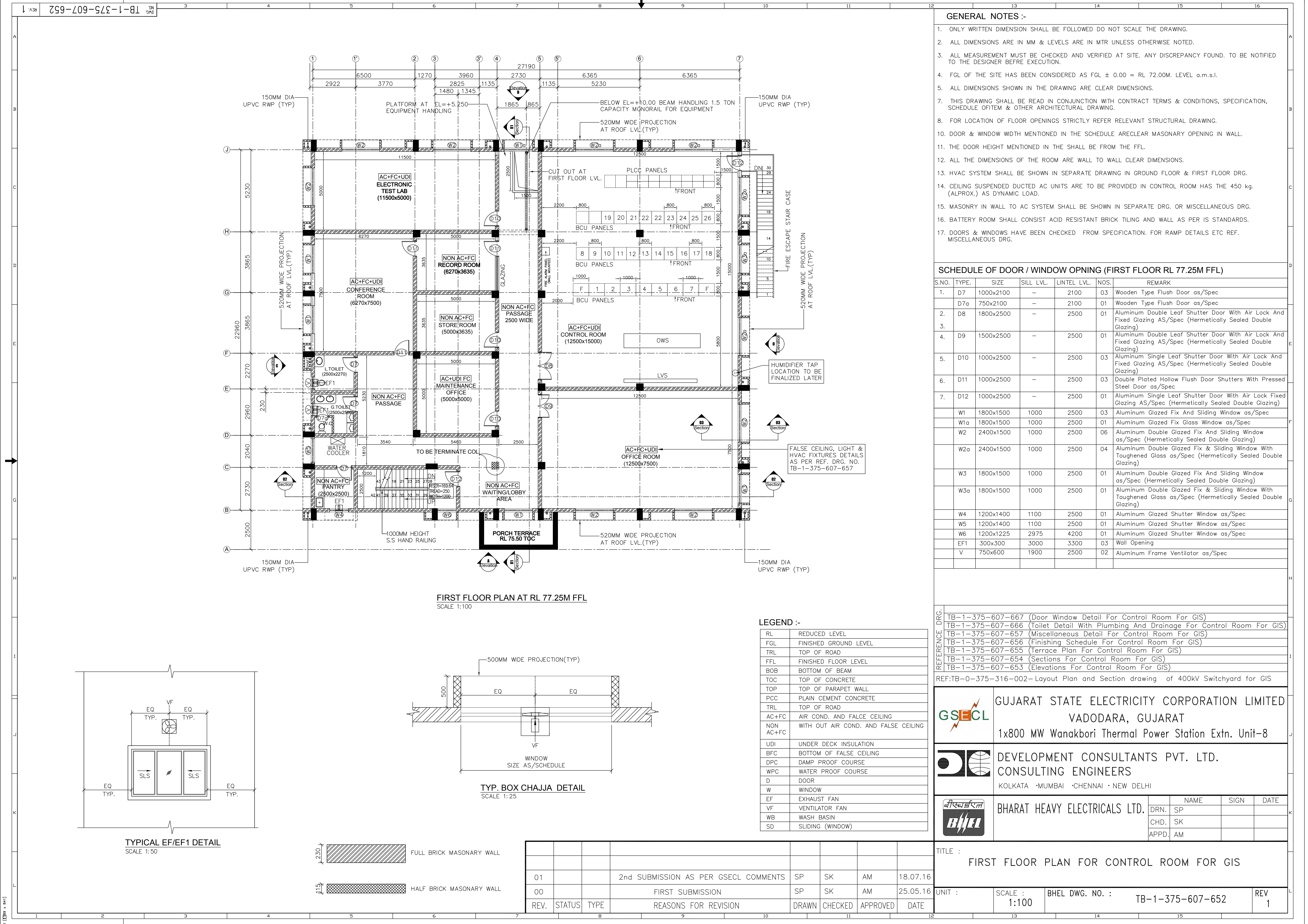
S.NO.	TYPE.	SIZE	SILL LVL.	LINTEL LVL.	NOS.	REMARK
1.	RS	2500x3000	—	3000	02	MS Rolling Shutter as/Spec
2.	D	2000x2500	—	2500	01	Aluminum Double Leaf Door Fully Glazed as/Spec
3.	D1	2000x2500	—	2500	01	Double Leaf Side Hung Steel Door as/Spec
4.	D2	1800x2500	—	2500	01	Double Leaf Fire Proof Door Min. 2hrs Fire Rating as/Spec
5.	D3	1000x2500	—	2500	02	Single Leaf Fire Proof Door Min. 2hrs Fire Rating as/Spec
6.	D4	1500x2500	—	2500	01	Double Leaf Fire Proof Door Min. 2hrs Fire Rating as/Spec
7.	D5	1800x2500	—	2500	01	Double Plated Hollow Flush Door Shutters With Press Steel Door as/Spec
8.	D6	1000x2500	—	2500	01	Double Plated Hollow Flush Door Shutters With Pressed Steel Door as/Spec
9.	D7	1000x2100	—	2100	01	Wooden Type Flush Door as/Spec
10.	D8	750x2100	—	2100	01	Wooden Type Flush Door as/Spec
11.	D9	1000x2500	—	2500	01	Aluminum Double Leaf Door Fully Glazed as/Spec
12.	W	2400x1500	1000	2500	09	Aluminum Glazed Fix And Sliding Window as/Spec
13.	W1	1800x1500	1000	2500	06	Aluminum Glazed Fix And Sliding Window as/Spec
14.	V	750x600	1900	2500	01	Aluminum Frame Ventilator as/Spec
15.	VF	450x450	3000	3450	09	Wall Opening
16.	EF1	300x300	3000	3300	01	Wall Opening

REFERENCE DRG.	TB-1-375-607-658	(Foundation Layout Plan & Column Schedule Control Room For GIS)
	TB-1-375-607-667	(Door Window Detail For Control Room For GIS)
	TB-1-375-607-666	(Toilet Detail With Plumbing And Drainage For Control Room For GIS)
	TB-1-375-607-657	(Miscellaneous Detail For Control Room For GIS)
	TB-1-375-607-656	(Finishing Schedule For Control Room For GIS)
	TB-1-375-607-655	(Terrace Plan For Control Room For GIS)
	TB-1-375-607-654	(Sections For Control Room For GIS)
	TB-1-375-607-653	(Elevations For Control Room For GIS)
	TB-1-375-607-652	(First Floor Plan For Control Room For GIS)
	REF:TB-0-375-316-002	Layout Plan and Section drawing of 400kV Switchyard for GIS

	GUJARAT STATE ELECTRICITY CORPORATION LIMITED VADODARA, GUJARAT 1x800 MW Wanakbori Thermal Power Station Extn. Unit-8																	
	DEVELOPMENT CONSULTANTS PVT. LTD. CONSULTING ENGINEERS KOLKATA · MUMBAI · CHENNAI · NEW DELHI																	
	<table border="1"> <tr> <td data-bbox="2240 1791 2579 1831" rowspan="3">BHARAT HEAVY ELECTRICALS LTD.</td> <td data-bbox="2579 1791 2742 1803">NAME</td> <td data-bbox="2742 1791 2813 1803">SIGN</td> <td data-bbox="2813 1791 2867 1803">DATE</td> </tr> <tr> <td data-bbox="2579 1803 2742 1820">DRN. SP</td> <td data-bbox="2742 1803 2813 1820"></td> <td data-bbox="2813 1803 2867 1820"></td> </tr> <tr> <td data-bbox="2579 1820 2742 1839">CHD. SK</td> <td data-bbox="2742 1820 2813 1839"></td> <td data-bbox="2813 1820 2867 1839"></td> </tr> <tr> <td></td> <td data-bbox="2579 1839 2742 1856">APPD. AM</td> <td data-bbox="2742 1839 2813 1856"></td> <td data-bbox="2813 1839 2867 1856"></td> </tr> </table>				BHARAT HEAVY ELECTRICALS LTD.	NAME	SIGN	DATE	DRN. SP			CHD. SK				APPD. AM		
BHARAT HEAVY ELECTRICALS LTD.	NAME	SIGN	DATE															
	DRN. SP																	
	CHD. SK																	
	APPD. AM																	

TITLE : GROUND FLOOR PLAN FOR CONTROL ROOM FOR GIS

UNIT :	SCALE : 1:100	BHEL DWG. NO. : TB-1-375-607-651
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- GENERAL NOTES :-**
- ONLY WRITTEN DIMENSION SHALL BE FOLLOWED DO NOT SCALE THE DRAWING.
 - ALL DIMENSIONS ARE IN MM & LEVELS ARE IN MTR UNLESS OTHERWISE NOTED.
 - ALL MEASUREMENT MUST BE CHECKED AND VERIFIED AT SITE. ANY DISCREPANCY FOUND. TO BE NOTIFIED TO THE DESIGNER BEFRE EXECUTION.
 - FGL OF THE SITE HAS BEEN CONSIDERED AS FGL ± 0.00 = RL 72.00M. LEVEL a.m.s.l.
 - ALL DIMENSIONS SHOWN IN THE DRAWING ARE CLEAR DIMENSIONS.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION, SCHEDULE OFITEM & OTHER ARCHITECTURAL DRAWING.
 - FOR LOCATION OF FLOOR OPENINGS STRICTLY REFER RELEVANT STRUCTURAL DRAWING.
 - DOOR & WINDOW WIDTH MENTIONED IN THE SCHEDULE ARE CLEAR MASONARY OPENING IN WALL.
 - THE DOOR HEIGHT MENTIONED IN THE SHALL BE FROM THE FFL.
 - ALL THE DIMENSIONS OF THE ROOM ARE WALL TO WALL CLEAR DIMENSIONS.
 - HVAC SYSTEM SHALL BE SHOWN IN SEPARATE DRAWING IN GROUND FLOOR & FIRST FLOOR DRG.
 - CEILING SUSPENDED DUCTED AC UNITS ARE TO BE PROVIDED IN CONTROL ROOM HAS THE 450 kg. (ALPROX.) AS DYNAMIC LOAD.
 - MASONRY IN WALL TO AC SYSTEM SHALL BE SHOWN IN SEPARATE DRG. OR MISCELLANEOUS DRG.
 - BATTERY ROOM SHALL CONSIST ACID RESISTANT BRICK TILING AND WALL AS PER IS STANDARDS.
 - DOORS & WINDOWS HAVE BEEN CHECKED FROM SPECIFICATION. FOR RAMP DETAILS ETC REF. MISCELLANEOUS DRG.

SCHEDULE OF DOOR / WINDOW OPNING (FIRST FLOOR RL 77.25M FFL)						
S.NO.	TYPE.	SIZE	SILL LVL.	LINTEL LVL.	NOS.	REMARK
1.	D7	1000x2100	—	2100	03	Wooden Type Flush Door as/Spec
	D7a	750x2100	—	2100	01	Wooden Type Flush Door as/Spec
2.	D8	1800x2500	—	2500	01	Aluminum Double Leaf Shutter Door With Air Lock And Fixed Glazing AS/Spec (Hermetically Sealed Double Glazing)
3.	D9	1500x2500	—	2500	01	Aluminum Double Leaf Shutter Door With Air Lock And Fixed Glazing AS/Spec (Hermetically Sealed Double Glazing)
4.	D10	1000x2500	—	2500	03	Aluminum Single Leaf Shutter Door With Air Lock And Fixed Glazing AS/Spec (Hermetically Sealed Double Glazing)
5.	D11	1000x2500	—	2500	03	Double Plated Hollow Flush Door Shutters With Pressed Steel Door as/Spec
6.	D12	1000x2500	—	2500	01	Aluminum Single Leaf Shutter Door With Air Lock Fixed Glazing AS/Spec (Hermetically Sealed Double Glazing)
	W1	1800x1500	1000	2500	03	Aluminum Glazed Fix And Sliding Window as/Spec
	W1a	1800x1500	1000	2500	01	Aluminum Glazed Fix Glass Window as/Spec
	W2	2400x1500	1000	2500	06	Aluminum Double Glazed Fix And Sliding Window as/Spec (Hermetically Sealed Double Glazing)
	W2a	2400x1500	1000	2500	04	Aluminum Double Glazed Fix & Sliding Window With Toughened Glass as/Spec (Hermetically Sealed Double Glazing)
	W3	1800x1500	1000	2500	01	Aluminum Double Glazed Fix And Sliding Window as/Spec (Hermetically Sealed Double Glazing)
	W3a	1800x1500	1000	2500	01	Aluminum Double Glazed Fix & Sliding Window With Toughened Glass as/Spec (Hermetically Sealed Double Glazing)
	W4	1200x1400	1100	2500	01	Aluminum Glazed Shutter Window as/Spec
	W5	1200x1400	1100	2500	01	Aluminum Glazed Shutter Window as/Spec
	W6	1200x1225	2975	4200	01	Aluminum Glazed Shutter Window as/Spec
	EF1	300x300	3000	3300	03	Wall Opening
	V	750x600	1900	2500	02	Aluminum Frame Ventilator as/Spec

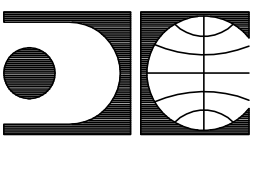
REFERENCE DRG.:

- TB-1-375-607-667 (Door Window Detail For Control Room For GIS)
- TB-1-375-607-666 (Toilet Detail With Plumbing And Drainage For Control Room For GIS)
- TB-1-375-607-657 (Miscellaneous Detail For Control Room For GIS)
- TB-1-375-607-656 (Finishing Schedule For Control Room For GIS)
- TB-1-375-607-655 (Terrace Plan For Control Room For GIS)
- TB-1-375-607-654 (Sections For Control Room For GIS)
- TB-1-375-607-653 (Elevations For Control Room For GIS)

REF:TB-0-375-316-002-Layout Plan and Section drawing of 400kV Switchyard for GIS



GUJARAT STATE ELECTRICITY CORPORATION LIMITED
VADODARA, GUJARAT
1x800 MW Wanakbori Thermal Power Station Extn. Unit-8



DEVELOPMENT CONSULTANTS PVT. LTD.
CONSULTING ENGINEERS
KOLKATA · MUMBAI · CHENNAI · NEW DELHI



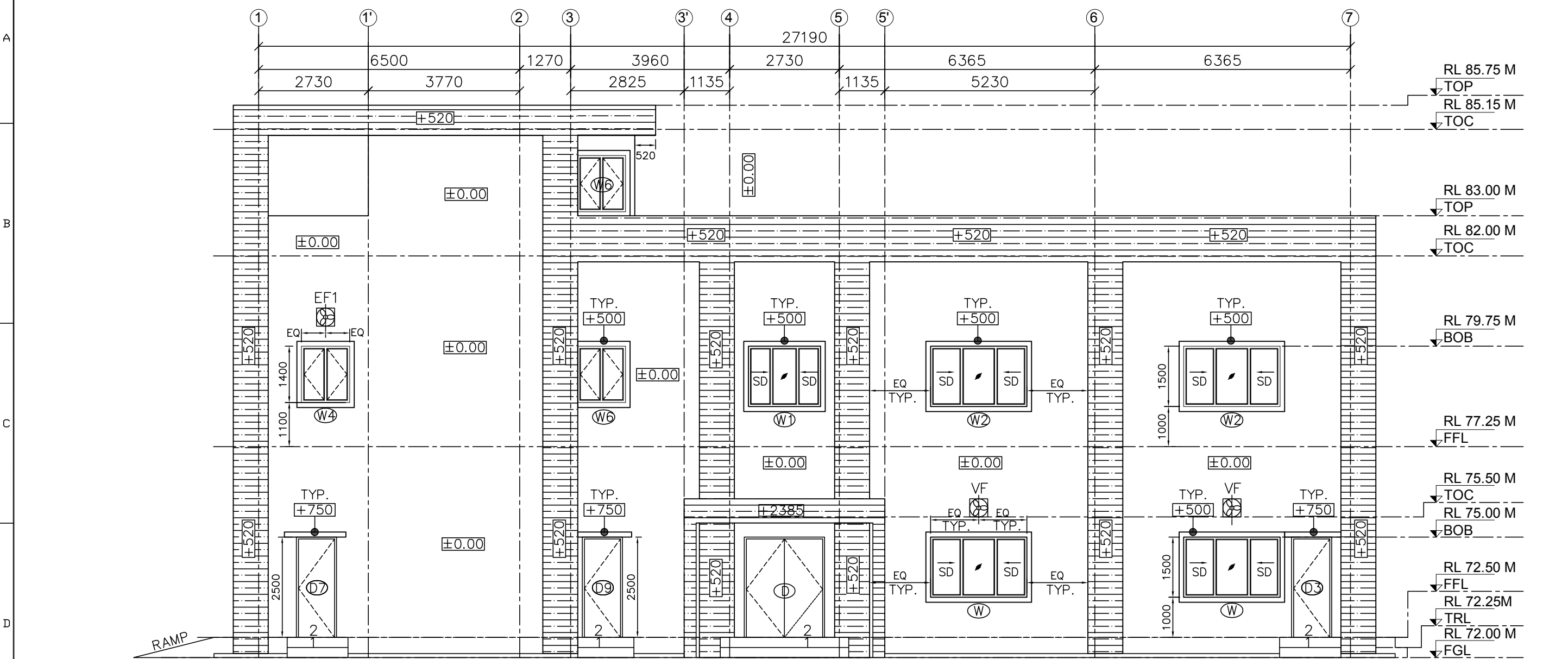
BHARAT HEAVY ELECTRICALS LTD.

NAME	SIGN	DATE
DRN. SP		
CHD. SK		
APPD. AM		

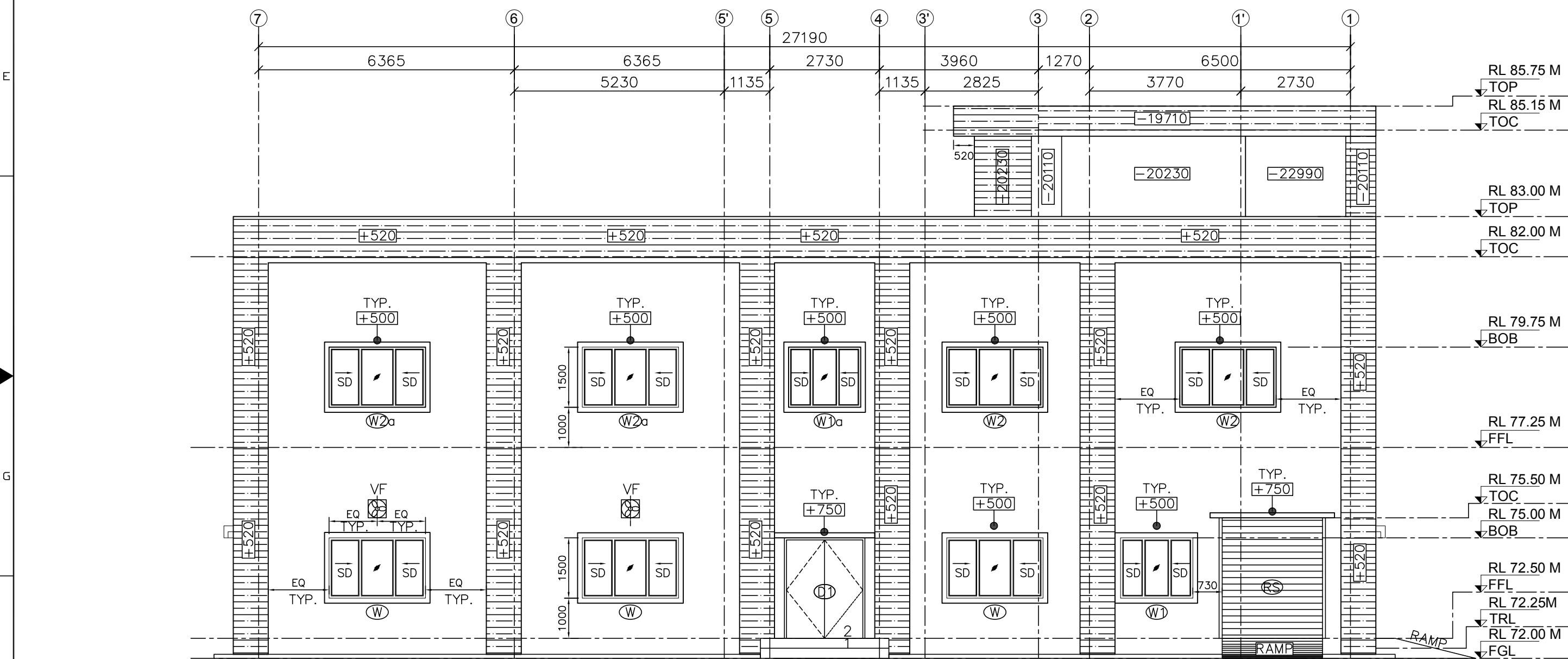
TITLE : FIRST FLOOR PLAN FOR CONTROL ROOM FOR GIS						
UNIT :	SCALE :	BHEL DWG. NO. :	TB-1-375-607-652	REV	1	

LEGEND :-						
RL	REDUCED LEVEL					
FGL	FINISHED GROUND LEVEL					
TRL	TOP OF ROAD					
FFL	FINISHED FLOOR LEVEL					
BOB	BOTTOM OF BEAM					
TOC	TOP OF CONCRETE					
TOP	TOP OF PARAPET WALL					
PCC	PLAIN CEMENT CONCRETE					
TRL	TOP OF ROAD					
AC+FC	AIR COND. AND FALCE CEILING					
NON AC+FC	WITH OUT AIR COND. AND FALSE CEILING					
UDI	UNDER DECK INSULATION					
BFC	BOTTOM OF FALSE CEILING					
DPC	DAMP PROOF COURSE					
WPC	WATER PROOF COURSE					
D	DOOR					
W	WINDOW					
EF	EXHAUST FAN					
VF	VENTILATOR FAN					
WB	WASH BASIN					
SD	SLIDING (WINDOW)					

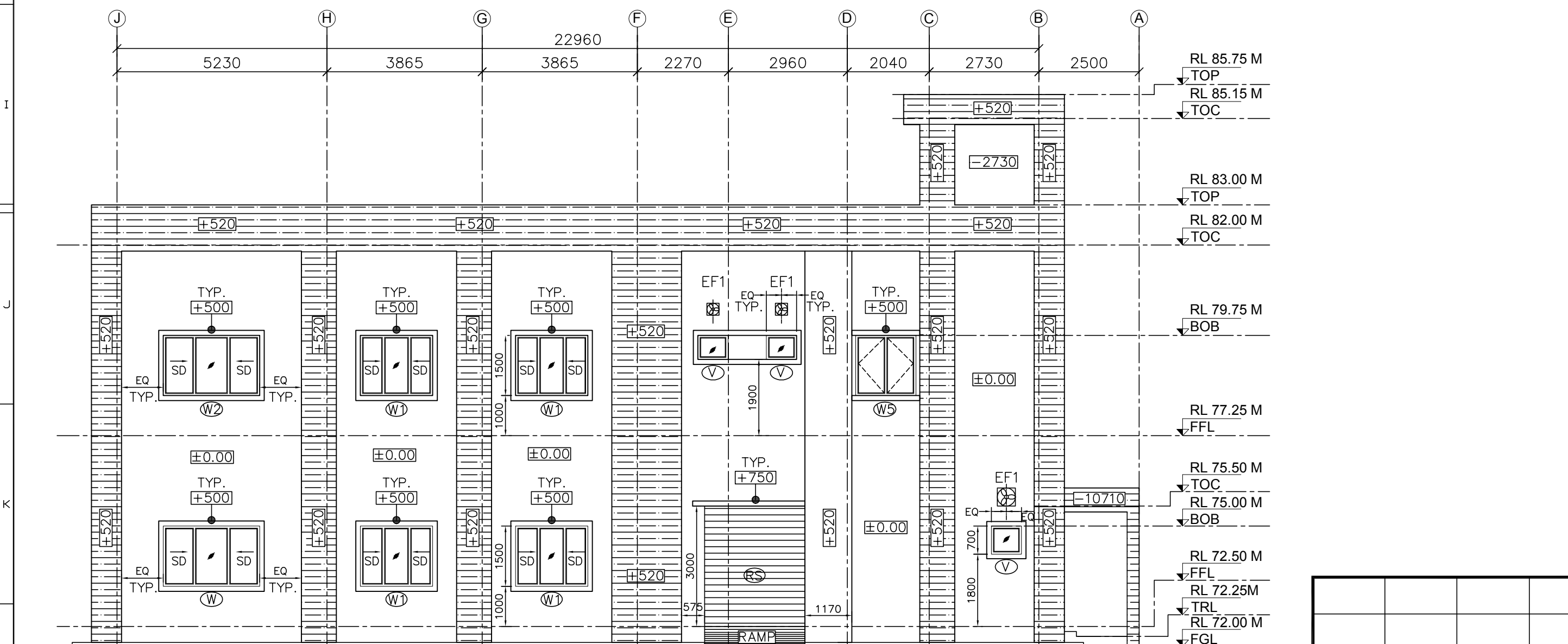
REV.	STATUS	TYPE	REASONS FOR REVISION	DRAWN	CHECKED	APPROVED	DATE
01			2nd SUBMISSION AS PER GSECL COMMENTS	SP	SK	AM	18.07.16
00			FIRST SUBMISSION	SP	SK	AM	25.05.16



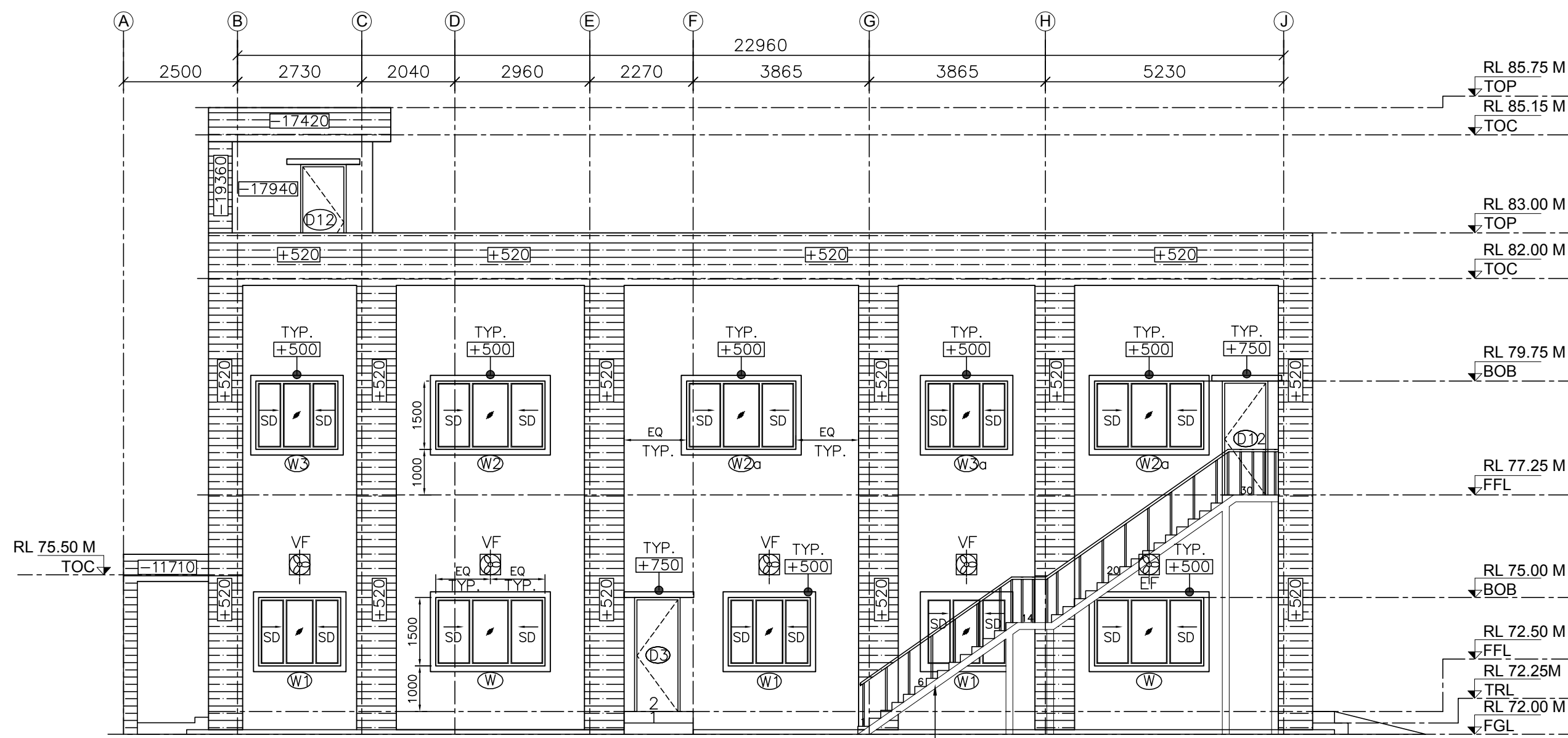
ELEVATION - A
SCALE 1:100



ELEVATION - B
SCALE 1:100



ELEVATION - C
SCALE 1:100



ELEVATION - D
SCALE 1:100

GENERAL NOTES :-

- ONLY WRITTEN DIMENSION SHALL BE FOLLOWED DO NOT SCALE THE DRAWING.
- ALL DIMENSIONS ARE IN MM & LEVELS ARE IN MTR UNLESS OTHERWISE NOTED.
- ALL MEASUREMENT MUST BE CHECKED AND VERIFIED AT SITE. ANY DISCREPANCY FOUND. TO BE NOTIFIED TO THE DESIGNER BEFRE EXECUTION.
- FGL OF THE SITE HAS BEEN CONSIDERED AS FGL $\pm 0.00 =$ RL 72.00M. LEVEL a.m.s.l.
- ALL DIMENSIONS SHOWN IN THE DRAWING ARE CLEAR DIMENSIONS.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION, SCHEDULE OFITEM & OTHER ARCHITECTURAL DRAWING.
- FOR LOCATION OF FLOOR OPENINGS STRICTLY REFER RELEVANT STRUCTURAL DRAWING.
- DOOR & WINDOW WIDTH MENTIONED IN THE SCHEDULE ARECLEAR MASONARY OPENING IN WALL.
- THE DOOR HEIGHT MENTIONED IN THE SHALL BE FROM THE FFL.
- ALL THE DIMENSIONS OF THE ROOM ARE WALL TO WALL CLEAR DIMENSIONS.
- HVAC SYSTEM SHALL BE SHOWN IN SEPARATE DRAWING IN GROUND FLOOR & FIRST FLOOR DRG.
- CEILING SUSPENDED DUCTED AC UNITS ARE TO BE PROVIDED IN CONTROL ROOM HAS THE 450 kg. (ALPROX.) AS DYNAMIC LOAD.
- MASONRY IN WALL TO AC SYSTEM SHALL BE SHOWN IN SEPARATE DRG. OR MISCELLANEOUS DRG.
- BATTERY ROOM SHALL CONSIST ACID RESISTANT BRICK TILING AND WALL AS PER IS STANDARDS.
- DOORS & WINDOWS HAVE BEEN CHECKED FROM SPECIFICATION. FOR RAMP DETAILS ETC REF. MISCELLANEOUS DRG.

LEGEND :-

RL	REDUCED LEVEL
FGL	FINISHED GROUND LEVEL
TRL	TOP OF ROAD
FFL	FINISHED FLOOR LEVEL
BOB	BOTTOM OF BEAM
TOC	TOP OF CONCRETE
TOP	TOP OF PARAPET WALL
PCC	PLAIN CEMENT CONCRETE
TRL	TOP OF ROAD
AC+FC	AIR COND. AND FALCE CEILING
NON AC+FC	WITH OUT AIR COND. AND FALSE CEILING
UDI	UNDER DECK INSULATION
BFC	BOTTOM OF FALSE CEILING
DPC	DAMP PROOF COURSE
WPC	WATER PROOF COURSE
D	DOOR
W	WINDOW
EF	EXHAUST FAN
VF	VENTILATOR FAN
WB	WASH BASIN
SD	SLIDING (WINDOW)

REFERENCE DRG.	TB-1-375-607-667 (Door Window Detail For Control Room For GIS)
	TB-1-375-607-666 (Toilet Detail With Plumbing And Drainage For Control Room For GIS)
	TB-1-375-607-657 (Miscellaneous Detail For Control Room For GIS)
	TB-1-375-607-656 (Finishing Schedule For Control Room For GIS)
	TB-1-375-607-655 (Terrace Plan For Control Room For GIS)
	TB-1-375-607-654 (Sections For Control Room For GIS)
	TB-1-375-607-652 (First Floor Plan For Control Room For GIS)
	TB-1-375-607-651 (Ground Floor Plan For Control Room For GIS)

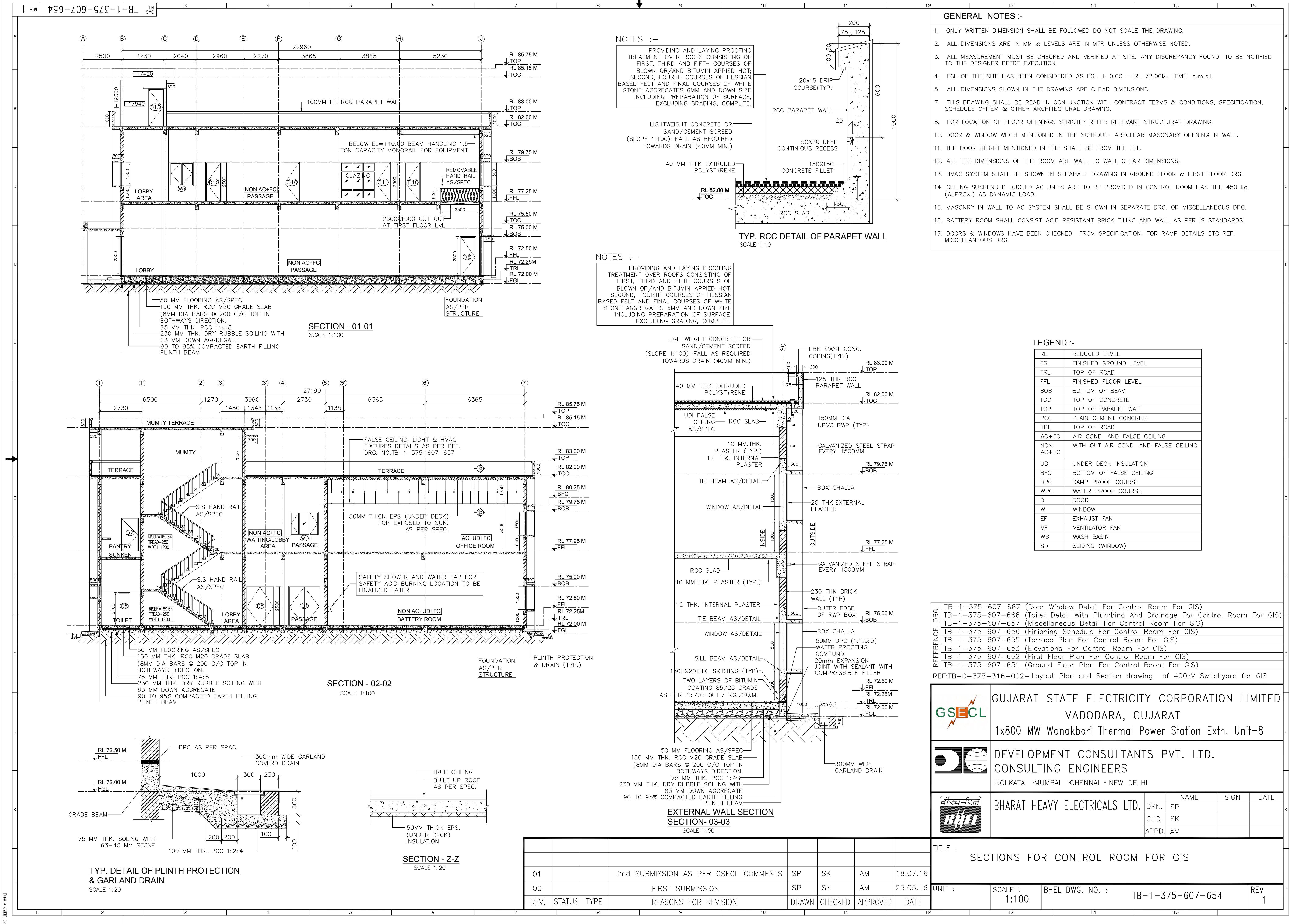
REF:TB-0-375-316-002-Layout Plan and Section drawing of 400kV Switchyard for GIS

	GUJARAT STATE ELECTRICITY CORPORATION LIMITED VADODARA, GUJARAT 1x800 MW Wanakbori Thermal Power Station Extn. Unit-8			
	DEVELOPMENT CONSULTANTS PVT. LTD. CONSULTING ENGINEERS KOLKATA · MUMBAI · CHENNAI · NEW DELHI			
	BHARAT HEAVY ELECTRICALS LTD.			
	DRN.	SP	NAME	SIGN
	CHD.	SK		DATE
	APPD.	AM		

TITLE :
ELEVATIONS FOR CONTROL ROOM FOR GIS

UNIT :	SCALE : 1:100	BHEL DWG. NO. : TB-1-375-607-653	REV 1
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01		2nd SUBMISSION AS PER GSECL COMMENTS	SP	SK	AM	18.07.16
00		FIRST SUBMISSION	SP	SK	AM	25.05.16
REV.	STATUS	TYPE	REASONS FOR REVISION	DRAWN	CHECKED	APPROVED
						DATE



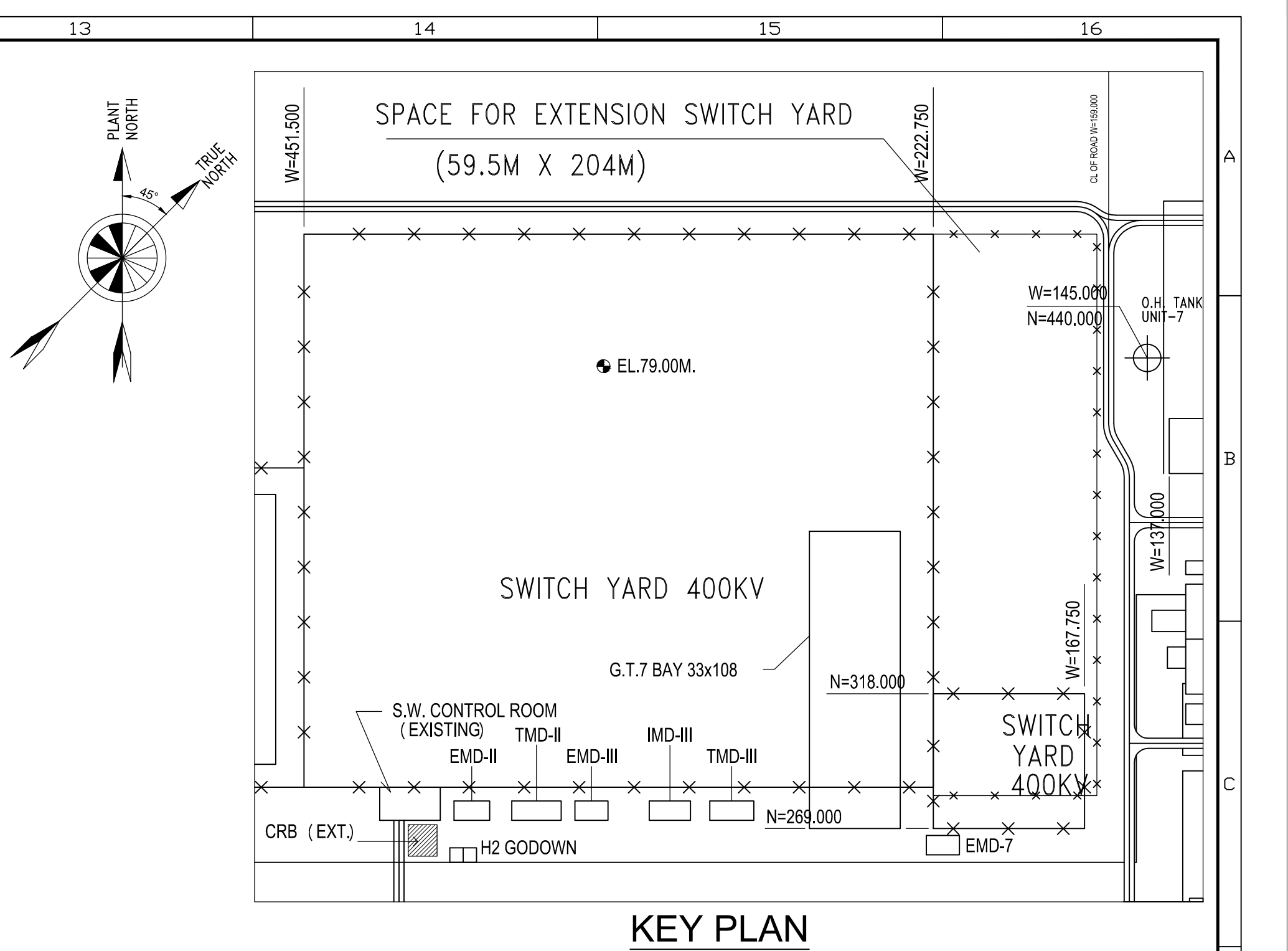
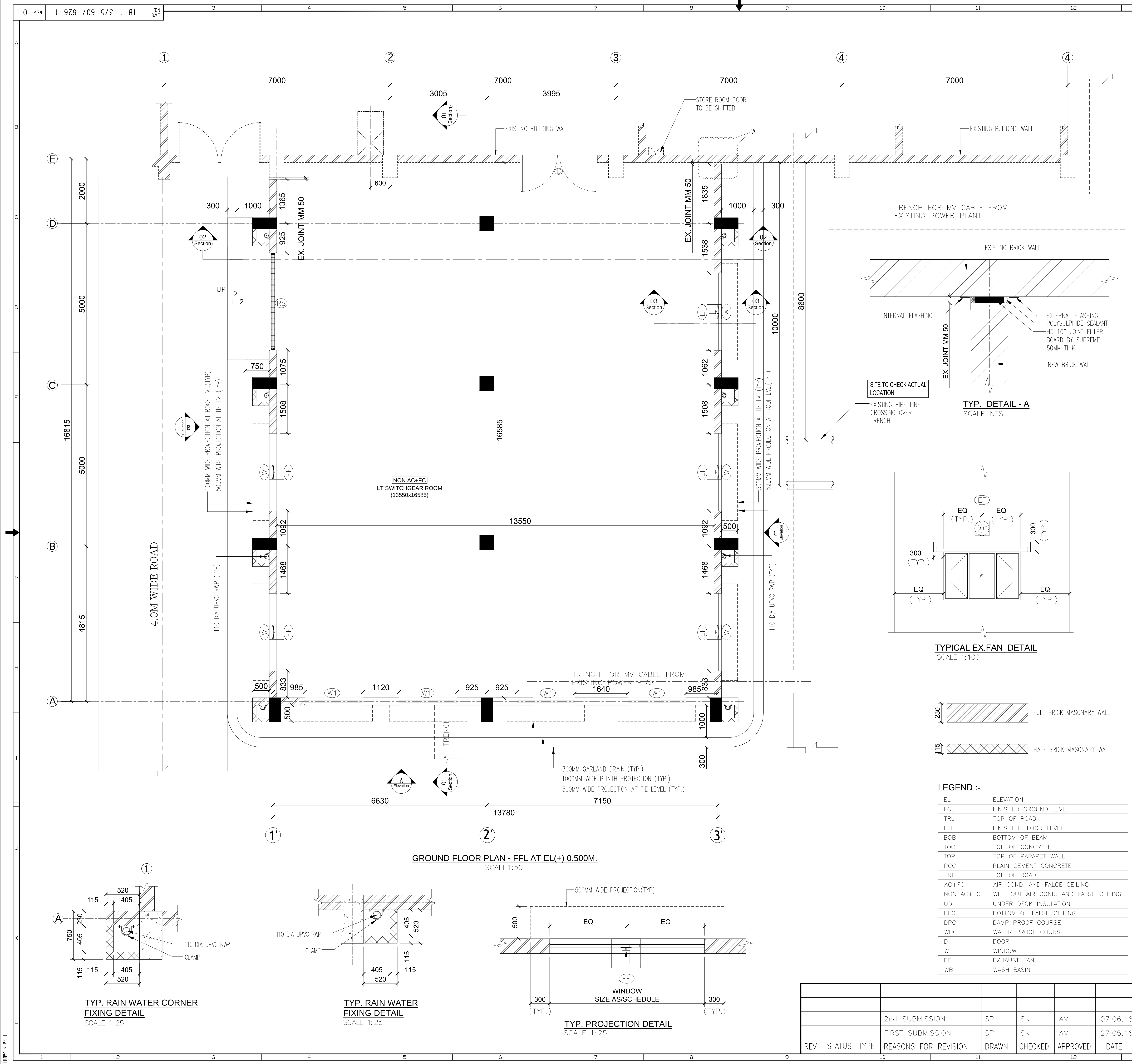
- GENERAL NOTES :-**
- 1. ONLY WRITTEN DIMENSION SHALL BE FOLLOWED DO NOT SCALE THE DRAWING.
 - 2. ALL DIMENSIONS ARE IN MM & LEVELS ARE IN MTR UNLESS OTHERWISE NOTED.
 - 3. ALL MEASUREMENT MUST BE CHECKED AND VERIFIED AT SITE. ANY DISCREPANCY FOUND. TO BE NOTIFIED TO THE DESIGNER BEFRE EXECUTION.
 - 4. FGL OF THE SITE HAS BEEN CONSIDERED AS FGL ± 0.00 = RL 72.00M. LEVEL a.m.s.l.
 - 5. ALL DIMENSIONS SHOWN IN THE DRAWING ARE CLEAR DIMENSIONS.
 - 7. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION, SCHEDULE OFITEM & OTHER ARCHITECTURAL DRAWING.
 - 8. FOR LOCATION OF FLOOR OPENINGS STRICTLY REFER RELEVANT STRUCTURAL DRAWING.
 - 10. DOOR & WINDOW WIDTH MENTIONED IN THE SCHEDULE ARECLEAR MASONARY OPENING IN WALL.
 - 11. THE DOOR HEIGHT MENTIONED IN THE SHALL BE FROM THE FFL.
 - 12. ALL THE DIMENSIONS OF THE ROOM ARE WALL TO WALL CLEAR DIMENSIONS.
 - 13. HVAC SYSTEM SHALL BE SHOWN IN SEPARATE DRAWING IN GROUND FLOOR & FIRST FLOOR DRG.
 - 14. CEILING SUSPENDED DUCTED AC UNITS ARE TO BE PROVIDED IN CONTROL ROOM HAS THE 450 kg. (ALPROX.) AS DYNAMIC LOAD.
 - 15. MASONRY IN WALL TO AC SYSTEM SHALL BE SHOWN IN SEPARATE DRG. OR MISCELLANEOUS DRG.
 - 16. BATTERY ROOM SHALL CONSIST ACID RESISTANT BRICK TILING AND WALL AS PER IS STANDARDS.
 - 17. DOORS & WINDOWS HAVE BEEN CHECKED FROM SPECIFICATION. FOR RAMP DETAILS ETC REF. MISCELLANEOUS DRG.

LEGEND :-

RL	REDUCED LEVEL
FGL	FINISHED GROUND LEVEL
TRL	TOP OF ROAD
FFL	FINISHED FLOOR LEVEL
BOB	BOTTOM OF BEAM
TOC	TOP OF CONCRETE
TOP	TOP OF PARAPET WALL
PCC	PLAIN CEMENT CONCRETE
TRL	TOP OF ROAD
AC+FC	AIR COND. AND FALSE CEILING
NON AC+FC	WITH OUT AIR COND. AND FALSE CEILING
UDI	UNDER DECK INSULATION
BFC	BOTTOM OF FALSE CEILING
DPC	DAMP PROOF COURSE
WPC	WATER PROOF COURSE
D	DOOR
W	WINDOW
EF	EXHAUST FAN
VF	VENTILATOR FAN
WB	WASH BASIN
SD	SLIDING (WINDOW)

- REFERENCE**
- TB-1-375-607-667 (Door Window Detail For Control Room For GIS)
 - TB-1-375-607-666 (Toilet Detail With Plumbing And Drainage For Control Room For GIS)
 - TB-1-375-607-657 (Miscellaneous Detail For Control Room For GIS)
 - TB-1-375-607-656 (Finishing Schedule For Control Room For GIS)
 - TB-1-375-607-655 (Terrace Plan For Control Room For GIS)
 - TB-1-375-607-653 (Elevations For Control Room For GIS)
 - TB-1-375-607-652 (First Floor Plan For Control Room For GIS)
 - TB-1-375-607-651 (Ground Floor Plan For Control Room For GIS)
- REF:TB-0-375-316-002-Layout Plan and Section drawing of 400kV Switchyard for GIS

	GUJARAT STATE ELECTRICITY CORPORATION LIMITED			
	VADODARA, GUJARAT			
	1x800 MW Wanakbori Thermal Power Station Extn. Unit-8			
	DEVELOPMENT CONSULTANTS PVT. LTD.			
	CONSULTING ENGINEERS			
	KOLKATA ·MUMBAI ·CHENNAI ·NEW DELHI			
	BHARAT HEAVY ELECTRICALS LTD.			
	DRN.	NAME	SIGN	DATE
	CHD.	SK		
APPD.	AM			
TITLE : SECTIONS FOR CONTROL ROOM FOR GIS				
UNIT :	SCALE :	BHEL DWG. NO. :	TB-1-375-607-654	
		1:100	REV 1	



- GENERAL NOTES :-**
- ONLY WRITTEN DIMENSION SHALL BE FOLLOWED DO NOT SCALE THE DRAWING.
 - ALL DIMENSIONS ARE IN MM & LEVELS ARE IN MTR UNLESS OTHERWISE NOTED.
 - ALL MEASUREMENT MUST BE CHECKED AND VERIFIED AT SITE. ANY DISCREPANCY FOUND, TO BE NOTIFIED TO THE DESIGNER BEFORE EXECUTION.
 - FGL OF THE SWITCHYARD HAS BEEN CONSIDERED AS RL 79.00M. = EL ± 0.000M.
 - ALL DIMENSIONS SHOWN IN THE DRAWING ARE CLEAR DIMENSIONS.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS & CONDITIONS, SPECIFICATION, SCHEDULE OF ITEM & OTHER ARCHITECTURAL DRAWING.
 - FOR LOCATION OF FLOOR OPENINGS STRICTLY REFER RELEVANT STRUCTURAL DRAWING.
 - DOOR & WINDOW WIDTH MENTIONED IN THE SCHEDULE ARE CLEAR MASONRY OPENING IN WALL.
 - THE DOOR HEIGHT MENTIONED IN THE DRAWING NO TB-1-375-607-626-SH-1 & 2 SHALL BE FROM THE FFL.
 - ALL THE DIMENSIONS OF THE ROOM ARE WALL TO WALL CLEAR DIMENSIONS.
 - HVAC SYSTEM SHALL BE SHOWN IN SEPARATE DRAWING IN GROUND FLOOR & FIRST FLOOR DRG.
 - CEILING SUSPENDED DUCTED AC UNITS ARE TO BE PROVIDED IN CONTROL ROOM HAS THE 450 kg. (APPROX.) AS DYNAMIC LOAD.
 - WALL OPENING FOR DUCT ROUTE SHALL BE PROVIDED IN THE PARTITION WALLS. DRG. FOR THE SAME WILL BE PROVIDED AT A LATER STAGE.
 - MASONRY IN WALL FOR AC SYSTEM SHALL BE SHOWN IN SEPARATE DRG. OR MISCELLANEOUS DRG.
 - FOR RAMP DETAILS ETC REF. MISCELLANEOUS DRG.
 - GSECL UDI REQUIREMENT:- ROOF OF AC SPACES SHALL BE INSULATED WITH 25MM THICK EPS (UNDER DECK) FOR NOT EXPOSED TO SUN AND 50MM THICK EPS (UNDER DECK) FOR EXPOSED TO SUN.
 - PRECAUTION SHOULD BE TAKEN DURING EXECUTION BY BHEL FOR THE EXISTING FACILITIES FALLING IN EXTENSION AREA UNDER SUPERVISION OF GSECL.
 - HEIGHT OF THE ROOM SHALL BE MATCHED WITH THE EXISTING FLOOR & ROOF HEIGHT.
 - CONNECTION DETAILS BETWEEN EXISTING BUILDING AND EXTENSION SHALL BE SHOWN IN CIVIL/ ARCHITECTURAL DRG.
 - EXISTING PANEL LIFTING AREA ON CRB PROPOSED TO BE USED FOR EXISTING BUILDING.
 - CEILING SUSPENDED AC UNITS ARE ENVISAGED FOR PANEL ROOM WITH DYNAMIC LOAD OF 450 Kg. (APPROX.) CEILING SHALL BE DESIGNED IN ACCORDANCE.

SCHEDULE OF DOOR / WINDOW OPENING (GROUND FLOOR EL (+) 0.500M. FFL)

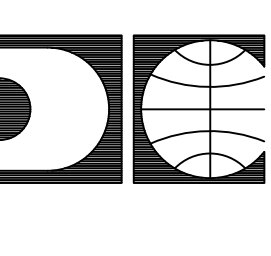
S.NO.	TYPE.	SIZE	SILL LVL.	LINTEL LVL.	NOS.	REMARK
1.	RS	3000x3000	-	3000	01	MS Rolling Shutter as/Spec
2.	D	2400x3000	-	3000	01	Double Plated Hollow Flush Door Shutters With Pressed Steel Door as/Spec
3.	W	2400x2000	1000	3000	05	Aluminum Glazed Fix And Shutter Window as/Spec
4.	W1	1800x2000	1000	3000	04	Aluminum Glazed Fix And Shutter Window as/Spec
5.	EF	450 DIA	3400	3950	05	Wall Opening

REFERENCE DRG.

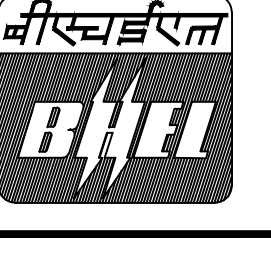
TB-1-375-607-626-7	(Miscellaneous Detail For Control Room Of 400kV Switchyard Extension)
TB-1-375-607-626-6	(Finishing Schedule For Control Room Of 400kV Switchyard Extension)
TB-1-375-607-626-5	(Terrace Plan For Control Room Of 400kV Switchyard Extension)
TB-1-375-607-626-4	(Sections For Control Room Of 400kV Switchyard Extension)
TB-1-375-607-626-3	(Elevations For Control Room Of 400kV Switchyard Extension)
TB-1-375-607-626-2	(First Floor Plan For Control Room Of 400kV Switchyard Extension)
WTPS-001-138	(PLAN OF SWITCHYARD CONTROL ROOM)
K9213R-DWG-M002	(PLOT PLAN)
TB-3-375-510-060	(LAYOUT PLAN AND SECTION DRAWING)



GUJARAT STATE ELECTRICITY CORPORATION LIMITED
VADODARA, GUJARAT
1x800 MW Wanakbori Thermal Power Station Extn. Unit-8



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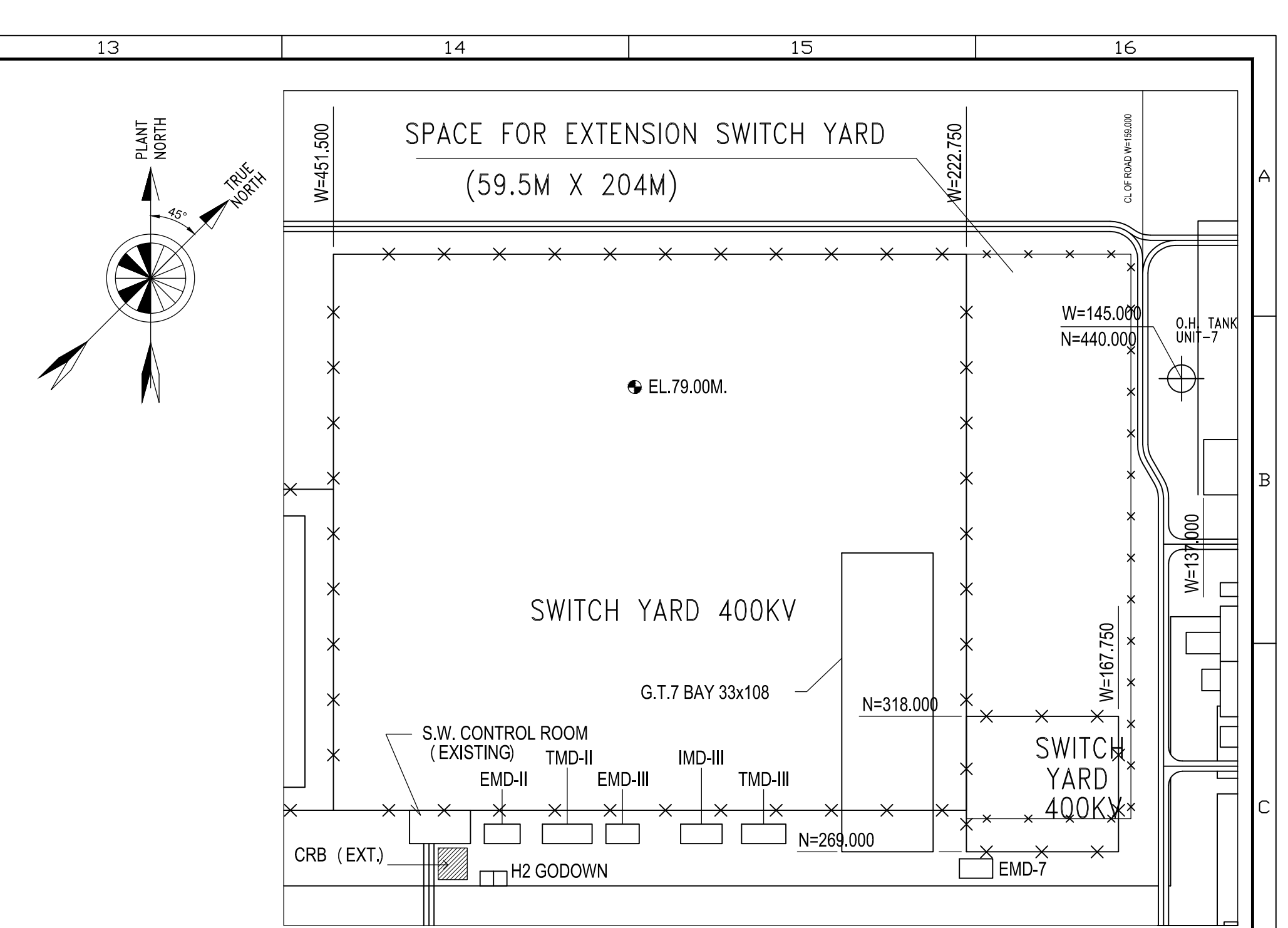
BHARAT HEAVY ELECTRICALS LTD.

DRN.	SP	NAME	SIGN	DATE
CHD.	SK			
APPD.	AM			

TITLE : ARCH. GROUND FLOOR PLAN FOR CONTROL ROOM OF 400kV SWITCHYARD EXTENSION

UNIT :	SCALE : 1:110	BHEL DWG. NO. : TB-1-375-607-626-1	REV 0
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		2nd SUBMISSION	SP	SK	AM	07.06.16
		FIRST SUBMISSION	SP	SK	AM	27.05.16
REV.	STATUS	TYPE	REASONS FOR REVISION	DRAWN	CHECKED	APPROVED
						DATE



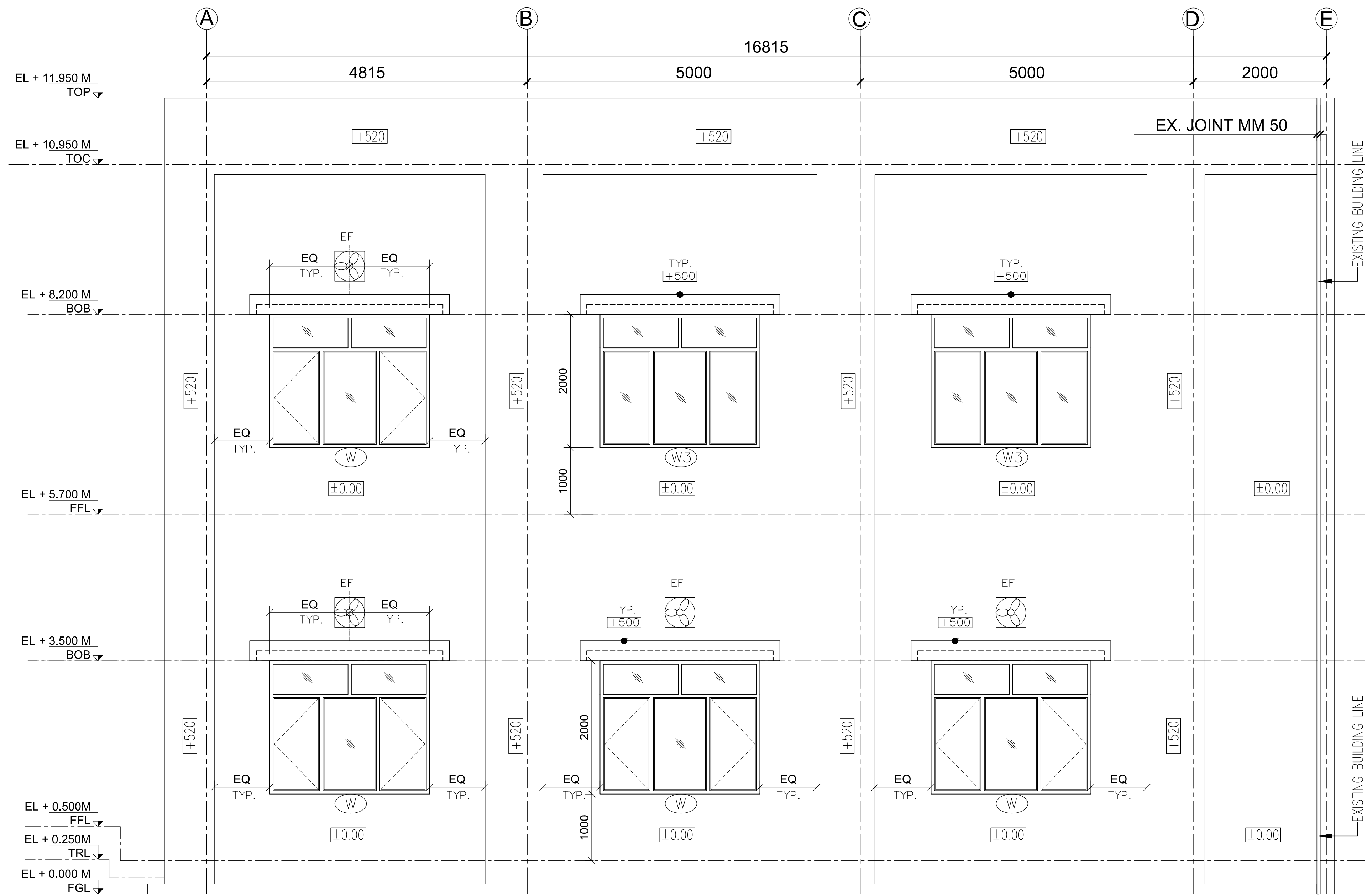
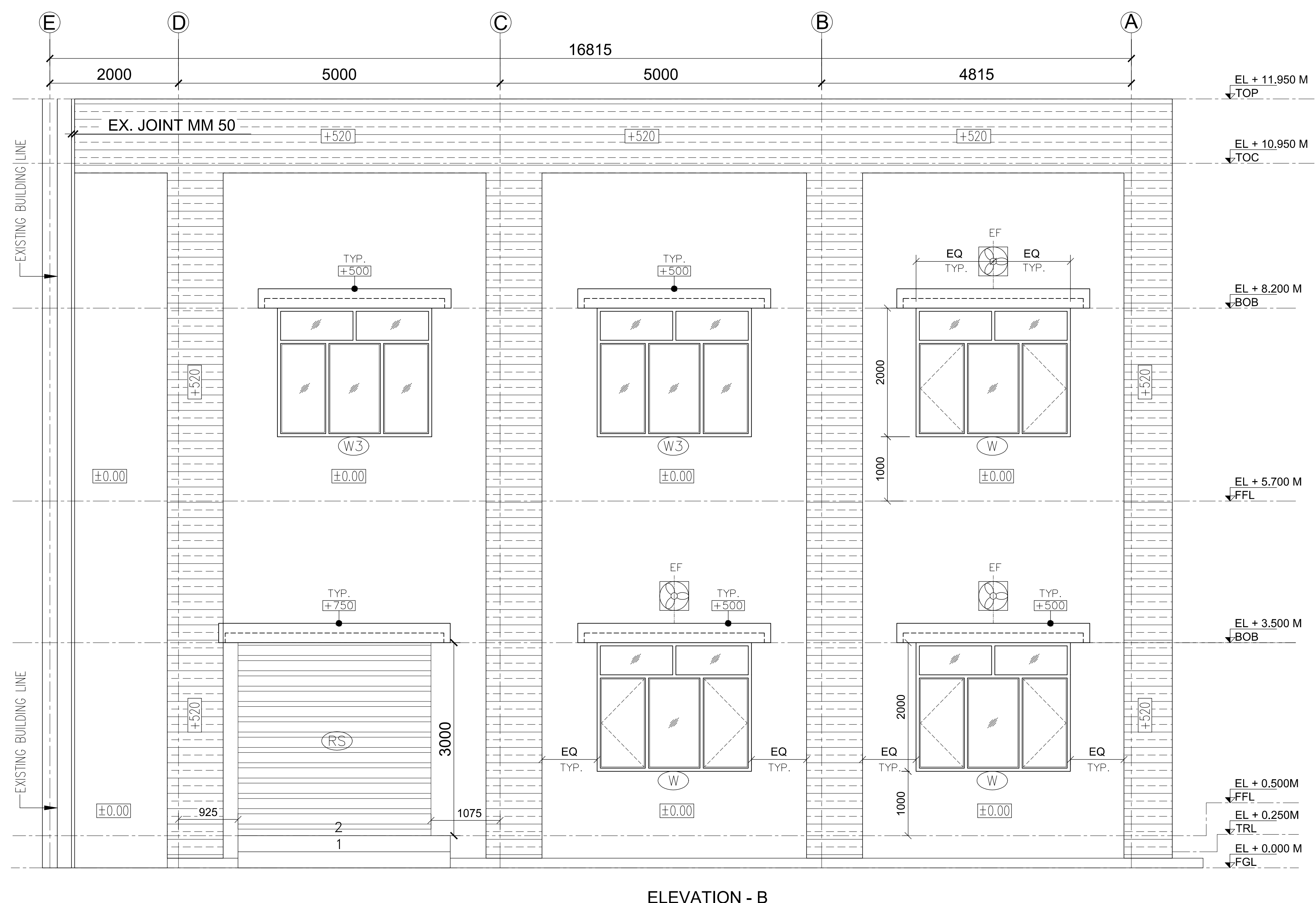
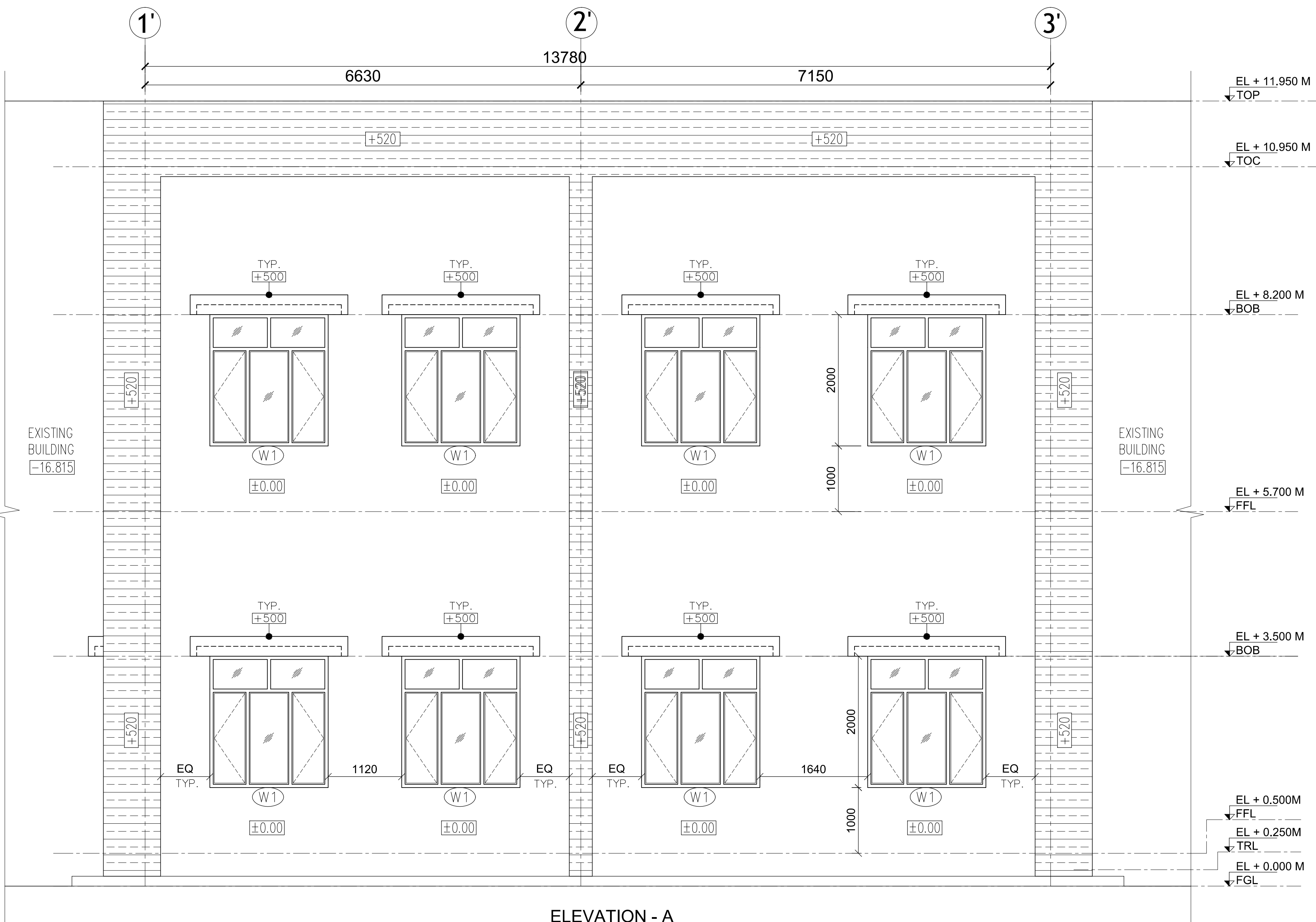
GENERAL NOTES :-

[illegible][illegible]

TITLE : ARCH. FIRST FLOOR PLAN FOR CONTROL ROOM OF 400kV SWITCHYARD EXTENSION			
UNIT :	SCALE : 1:110	BHEL DWG. NO. : TB-1-375-607-626-2	REV 0

GENERAL NOTES :-

1. FOR GENERAL NOTES REFER DWG.NO. TB-1-375-607-626-1



LEGEND :-

EL	ELEVATION
FGL	FINISHED GROUND LEVEL
TRL	TOP OF ROAD
FFL	FINISHED FLOOR LEVEL
BOB	BOTTOM OF BEAM
TOC	TOP OF CONCRETE
TOP	TOP OF PARAPET WALL
PCC	PLAIN CEMENT CONCRETE
TRL	TOP OF ROAD
AC+FC	AIR COND. AND FALSE CEILING
NON AC+FC	WITH OUT AIR COND. AND FALSE CEILING
UDI	UNDER DECK INSULATION
BFC	BOTTOM OF FALSE CEILING
DPC	DAMP PROOF COURSE
WPC	WATER PROOF COURSE
D	DOOR
W	WINDOW
EF	EXHAUST FAN
WB	WASH BASIN

TB-1-375-607-626-7	(Miscellaneous Detail For Control Room Of 400kV Switchyard Extension)
TB-1-375-607-626-6	(Finishing Schedule For Control Room Of 400kV Switchyard Extension)
TB-1-375-607-626-5	(Terrace Plan For Control Room Of 400kV Switchyard Extension)
TB-1-375-607-626-4	(Sections For Control Room Of 400kV Switchyard Extension)
TB-1-375-607-626-2	(First Floor Plan For Control Room Of 400kV Switchyard Extension)
TB-1-375-607-626-1	(Ground Floor Plan For Control Room Of 400kV Switchyard Extension)
WTPS-001-138	(PLAN OF SWITCHYARD CONTROL ROOM)
K9213R-DWG-M002	(PLOT PLAN)
TB-3-375-510-060	(LAYOUT PLAN AND SECTION DRAWING)

GSECL	GUJARAT STATE ELECTRICITY CORPORATION LIMITED			
	VADODARA, GUJARAT			
DEVELOPMENT CONSULTANTS PVT. LTD.	1x800 MW Wanakbori Thermal Power Station Extn. Unit-8			
	CONSULTING ENGINEERS			
BHHEL	KOLKATA • MUMBAI • CHENNAI • NEW DELHI			
	BHARAT HEAVY ELECTRICALS LTD.			
DRN.	SP	SIGN	DATE	
CHD.	SK			
APPD.	AM			

REV.	STATUS	TYPE	REASONS FOR REVISION	DRAWN	CHECKED	APPROVED	DATE
			2nd SUBMISSION	SP	SK	AM	07.06.16
			FIRST SUBMISSION	SP	SK	AM	27.05.16

TITLE :	ARCH. ELEVATIONS FOR CONTROL ROOM OF 400kV SWITCHYARD EXTENSION			
UNIT :	SCALE :	BHEL DWG. NO. :	TB-1-375-607-626-3	REV 0

