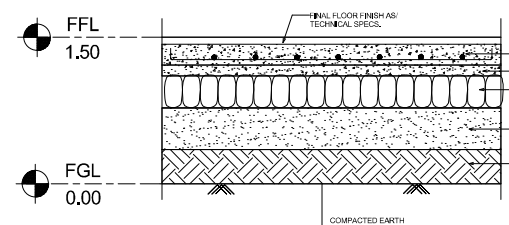
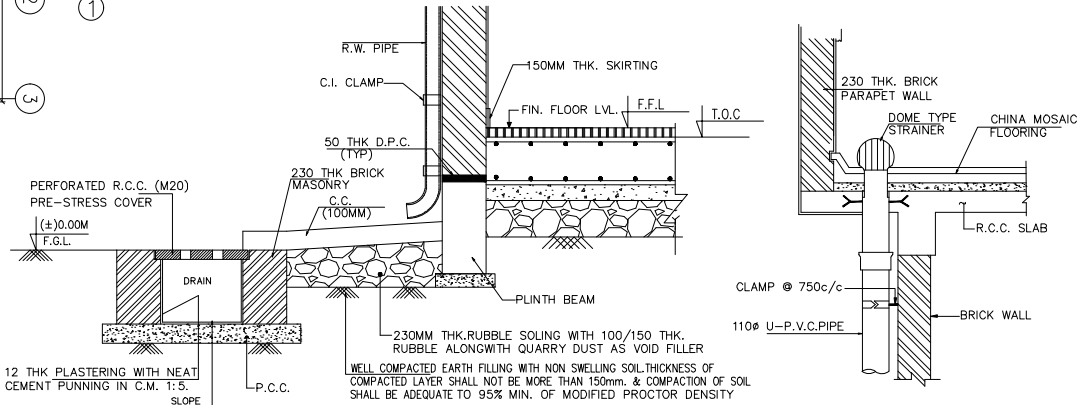


GETCO
Controlled Copy



FLOORING DETAIL



TYP. DETAIL OF GARLAND DRAIN AND PLINTH PROTECTION

RAIN WATER PIPE FIXING DET.

SCHEDULE OF OPENING									
S.NO.	TYPE	SIZE	SILL LVL. FROM FFL.	LINTEL LVL. FROM FFL.	BASEMENT	G.F.	F.F.	STAIR CABIN	REMARK
1.	ROLLING SHUTTER - RS	4000 X 4500	-	+4.50 M	-	01	-	-	MS ROLLING SHUTTER MANUALLY GEAR OPERATED
2.	ROLLING SHUTTER - RS1	2000 X 3000	-	+3.00 M	-	01	01	-	MS ROLLING SHUTTER MANUALLY GEAR OPERATED
3.	DOOR - D	2000 X 2500	-	+2.50 M	-	01	01	-	ALUMINIUM DOUBLE SHUTTER GLAZED DOOR
4.	DOOR - D1	1000 X 2500	-	+2.50 M	-	05	02	-	ALUMINIUM SINGLE SHUTTER GLAZED DOOR
5.	DOOR - D2	750 X 2100	-	+2.10 M	-	01	02	-	SINGLE SHUTTER PVC DOOR
6.	DOOR - D3	1200 X 2500	-	+2.50 M	-	01	01	-	ALUMINIUM DOUBLE SHUTTER GLAZED DOOR
7.	DOOR - D4	1000 X 2100	-	+2.10 M	-	-	-	01	ALUMINIUM SINGLE SHUTTER PARTICLE BOARD DOOR
8.	DOOR - D5	1000 X 1500	-	+1.50 M	01	-	-	-	FIRE SAFETY DOOR
9.	SLIDING DOOR	2200 X 2500	-	+2.50 M	-	01	-	-	ALUMINIUM AUTOMATIC SLIDING GLAZED DOOR
10.	WINDOW - W	2000 X 1600	+0.90 M	+2.50 M	-	07	09	-	ALUMINIUM SLIDING GLAZED WINDOW
11.	WINDOW - W1	1000 X 1200	+0.90 M	+2.10 M	-	01	01	01	ALUMINIUM FIXED GLAZED WINDOW
12.	WINDOW - W2	1000 X 1200	+0.90 M	+2.10 M	-	-	-	01	ALUMINIUM OPENABLE GLAZED WINDOW
13.	WINDOW - W3	2000 X 1600	+0.90 M	+2.50 M	-	-	04	-	ALUMINIUM FIXED GLAZED WINDOW
14.	VENTILATOR - V	900 X 600	+1.90 M	+2.50 M	-	01	02	-	ALUMINIUM GLASS LOUVERS
15.	VENTILATOR - V1	900 X 400	SLAB BOTTOM	12	-	-	-	-	ALUMINIUM FIXED GLAZED VENTILATOR
16.	EXHAUST FAN - EF	350 DIA.	ABOVE LINTEL	-	01	02	-	-	EXHAUST FAN WITH GI MESH
17.	EXHAUST FAN - EF1	350 DIA.	SLAB BOTTOM	03	-	-	-	-	EXHAUST FAN WITH GI MESH

LEGEND:-	
1.	FGL:- FINISHED GROUND LEVEL
2.	TRL:- TOP OF ROAD LEVEL
3.	FFL:- FINISHED FLOOR LEVEL
4.	BOC:- BOTTOM OF CONCRETE
5.	TOC:- TOP OF CONCRETE
6.	AC:- AIR-CONDITION
7.	FC:- FALSE CEILING
8.	FF:- FALSE FLOOR

SPECIAL NOTES:-
PLEASE NOTE THAT DIMENSIONS / DETAILS SHOWN IN THIS DRAWINGS ARE MINIMUM REQUIREMENT WHICH IS TO BE STRICTLY FOLLOWED. BIDDER IS REQUESTED TO ADD FURTHER DETAILS / ITEMS AS PER ACTUAL REQUIREMENTS BASED ON SITE CONDITIONS, FUNCTIONAL REQUIREMENT, I.S. CODE AND STANDARDS, SOIL STRATA, ENVIRONMENTAL CONDITIONS ETC.

IMPORTANT NOTES
A GENERAL
1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED & LEVELS ARE IN METER.
2. DO NOT SCALE THE DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. THE DRAWING MUST BE USED IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWING I.E. ARCHITECTURAL, ELECTRICAL & STRUCTURAL DRAWING, (GA DRAWING OF MANUFACTURER)
4. ALL THE WORK SHALL BE CARRIED OUT AS PER RELEVANT FIELD QUALITY PLAN APPROVED BY GETCO.
5. IN CASE OF ANY DOUBT OR DISCREPANCIES, PLEASE CONTACT ENGG. CELL, NO ASSUMPTIONS SHALL BE MADE.
6. ALL SAFETY PRECAUTIONS AS MENTIONED IN ELECTRICAL LAYOUT, SAFETY MANUAL & RELEVANT STANDARD CODES, SHALL BE SCRUPULOUSLY FOLLOWED WHILE EXECUTION OF WORK.
B CONCRETE
7. THE CEMENT SHALL BE ORDINARY PORTLAND CEMENT WITH CSA CONTENT FROM 5 TO 8 % FOR ALL CIVIL WORK.
8. ALL THE RCC WORK SHALL BE CARRIED OUT AS PER IS 456:2000, WITH LATEST REVISION.
9. THE GRADE OF CONCRETE SHALL BE M-25, WITH MINIMUM CEMENT CONTENT OF 400 KG/M³, EXCEPT LEAN CONCRETE MIX DESIGN SHALL BE DONE CONSIDERING SEVERE ENVIRONMENT EXPOSURE CONDITIONS.
10. THE GRADE OF LEAN CONCRETE SHALL BE M-18.
11. CONCRETING OF ALL CIVIL WORKS UNDER BIDDER SCOPE FOR ALL GRADE OF CONCRETE SHALL BE DONE WITH THE HELP OF DIGITAL WEIGH BATCHER OR FLORI (MOBILE CONCRETE BATCHING PLANT) ONLY.
12. ALL CONCRETE SHALL BE MACHINE MIXED, VIBRATED & CURED FOR MINIMUM 10 DAYS.
13. USE OF NEEDLE VIBRATOR IS COMPULSORY FOR ALL CONCRETE WORKS.
C REINFORCEMENT
14. TMT (HIGH YIELD STRENGTH DEFORMED STEEL BARS) COATED WITH FUSION BONDED EPOXY PAINT OF GRADE FE-200/500/550 BARS CONFORMING TO IS-1786 SHALL BE USED IN ALL CIVIL WORKS.
15. REINFORCEMENT SHALL BE BENT & FIXED IN ACCORDANCE WITH THE PROCEDURE SPECIFIED IN IS 2502:1963.
16. CLEAR COVER TO THE REINFORCEMENT SHALL BE AS UNDER

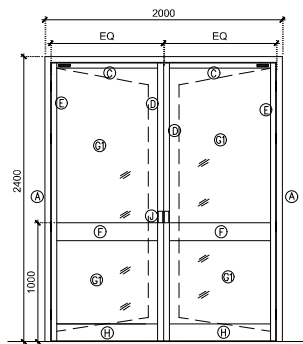
	TOP	BOTTOM	SIDES
• FOOTING (RAFT & ISOLATED)	50	75	50
• PILE CAPS	50	100	50
• PILE	75	75	50
• GRADE BEAM	-	40	40
• COLUMNS & PEDESTALS	50	-	50
• BEAMS ABOVE GROUND LEVEL	35	35	35
• GRADE SLAB	25	25	25
• LINTEL BEAMS	25	25	25
• SLABS & STAIRCASE	25	25	25
• CABLE TRENCHES BASE SLAB	20	35	35
• WALL	20	35	35

17. LAP LENGTH SHOULD BE 50 TIMES OF DIA.
18. LAP AT SUPPORT SECTION, JOINT SECTION & MID SPAN SHALL BE AVOIDED.
19. OVERLAPPING OF REINFORCEMENT SHALL BE STAGGERED.
20. UNLESS OTHERWISE SPECIFIED DISTN., STEEL SHOULD BE 8 MM. TOR @ 200 MM, C/C.
21. IN CASE OF CONTINUOUS SUPPORT, REINFORCEMENTS ARE DIFFERENT FOR TWO ADJACENT BEAMS / SLABS, THE HIGHER SUPPORT REINFORCEMENT OF THE TWO SHALL BE PROVIDED AT THE SUPPORT
D FOUNDATION
22. IN THE COURSE OF EXCAVATION, IF SUB SOIL STRATA DIFFERS IN COMPARE TO SBC REPORT, THE SAME SHALL BE REPORTED TO THE CONCERN FOR NECESSARY STEPS BY THE ENGINEERING CELL.
23. LAY-OUT, LINE-OUT & ORIENTATION SHALL BE CHECKED JOINTLY BY E. E. / D. E. - (CIVIL) & E. E. / D. E. - (CONST.) ON THE BASIS OF APPROVED ELECTRICAL LAY-OUT, GA DRAWING & THIS DRAWING, REPORT TO START THE WORK.
E FOR OPEN FOUNDATION (IF REQUIRED)
24. NO FOUNDATION SHALL BE RESTED ON FILLED-UP SOIL / BLACK COTTON SOIL.
25. IF FILLED UP SOIL ENCOUNTERED, FOUNDATION SHALL BE TAKEN 300 MM BELOW VIRGIN SOIL.
26. IF FOUNDATION FALLS ON EXCAVATED TRENCHES OF ADJOINING FOUNDATION, THAN FOUNDATION SHALL EXTENDED UP TO THE DEPTH OF ADJOINING FOUNDATION.
27. IF BLACK COTTON SOIL ENCOUNTERED, AT FOUNDATION DEPTH, THAN FOUNDATION SHALL REST ON COMPACTED SAND BED OF 300MM THICK.
28. BACK FILLING OF FOUNDATION TRENCHES SHALL BE DONE WITH USE OF NON COHESIVE SOIL ONLY.
29. THE BACK FILLING AROUND THE FOUNDATION SHALL BE ADEQUATE TO ACHIEVE THE PROCTOR DENSITY OF 95%.
F FOR PILE FOUNDATION
26. THE GRADE OF CONCRETE SHALL BE M-30 FOR PILE, CAP, COLUMN, BEAM, RAFT, ETC., EXCEPT LEAN CONCRETE.
27. THE GRADE OF CONCRETE FOR PILE SHALL BE M-30, CONFIRMING TO IS 456 WITH MINIMUM CEMENT CONTENT AS 450 kg / M³ WITH TREMIE CONCRETE.
28. CONCRETE SLUMP SHALL BE 120 TO 150MM. (VERY HIGH DEGREE OF WORKABILITY) FOR PILE FOUNDATION WITH TREMIE CONCRETE.
29. FOR CONSTRUCTION SPECIFICATION OF IS 2911 (PART-III), LATEST REVISION SHALL BE FOLLOWED.
30. THE PILE SHOULD PROJECT 100MM. IN TO THE PILE CAP CONCRETE.
31. INTEGRITY TEST TO BE DONE FOR ALL PILES, PRIOR TO CAST PILE CAP.
32. INITIAL AND ROUTINE PILE LOAD TEST SHALL BE CARRIED OUT FOR EACH CAPACITY OF PILE/ILE. FOR COMPRESSION, PULL OUT & LATERAL LOAD CAPACITY AS PER PROVISION OF IS 2911(PART-I) LATEST REVISION. TEST RESULTS SHALL BE COMPARED WITH RECOMMENDED VALUE GIVEN IN APPROVED SOIL INVESTIGATION REPORT PRIOR TO START OF WORKING PILE.
33. PILE CONCRETE SHALL BE DONE WITH MINIMUM LEAD TIME AFTER "PILE BORE" IS ACCEPTED & CLEARED FOR REINFORCEMENT PLACEMENT AND CONCRETING. IN NO CASE, PILE BORE SHALL REMAIN OPEN FOR MORE THAN FOUR HOURS AFTER ACCEPTANCE.
G SPECIAL NOTE:-
34. REQUIRED HOLES SHALL BE KEPT IN RETAINING WALL OF CABLE CELLAR FOR ENTRY/EXIT OF CONTROL CABLE/POWER CABLE ETC. FROM SWITCH YARD AS SHOWN IN APPROVED ELECTRICAL LAY OUT OR AS PER ACTUAL REQUIREMENT.
35. CARE TO BE TAKEN TO SEE THAT ALL THE ARRANGEMENT PROVIDED FOR CABLE IN AND OUT SYSTEM SHALL BE AESTHETICALLY PLEASANT AND STRONG ENOUGH AS PER RELEVANT CODES AND STANDARDS AND APPROVED BY GETCO.
36. CUT-OUT/EQUIPMENT SHOWN IN DRAWING ARE INDICATIVE. IT SHALL BE DECIDE ON THE BASIS OF REQUIREMENT, TECHNICAL SPECIFICATION, ELECTRICAL LAY OUT & RELEVANT IS CODES AND STANDARDS.
37. CABLE TRAYS SHALL BE PROVIDED IN CABLE CELLAR AS PER REQUIREMENT AND AS MENTIONED IN TECHNICAL SPECIFICATION.
38. ALL ELECTRIC WIRING / LINE, WATER SUPPLY LINE AND DRAINAGE LINE SHALL BE CONCEALED.
39. ALL THE ELECTRICAL OPENINGS IN THE BUILDING SHALL BE SEALED WITH SEALING COMPOUND AFTER COMPLETION OF CABLE WORK & TO ENSURE WATER TIGHTNESS & FIRE RETARDANT.
40. INSERT PLATES ARE TO BE PROVIDED FOR CABLE TRAY SUPPORT STRUCTURES W.R.T CABLE TRAY ARRANGEMENT DRAWING.
41. ALL ELECTRIC WIRING / LINE, WATER SUPPLY LINE AND DRAINAGE LINE SHALL BE CONCEALED.
42. "TECHNICAL SPECIFICATION FOR CIVIL WORKS" & "DESCRIPTION OF BOQ FOR CIVIL WORKS" SHALL BE SCRUPULOUSLY FOLLOWED WHILE PREPARATION OF DRAWINGS AND DURING EXECUTION OF CIVIL WORKS.
43. FALSE FLOORING SHALL BE PROVIDED IN LV ROOM, BATTERY ROOM AND OFFICE ROOM AT FIRST FLOOR. FALSE FLOORING SHALL BE PROVIDED AS MENTIONED IN TECHNICAL SPECIFICATION.
44. EXHAUST FAN SHALL BE PROVIDED IN EACH TOILET BLOCK.
45. THIS DRAWING IS GIVEN FOR BID PURPOSE ONLY. HOWEVER, BIDDER HAS TO DEVELOP CONSTRUCTION DRAWINGS AND RELEVANT STRUCTURE DRAWINGS ON THE BASIS OF THIS DRAWING, APPROVED LAY OUT OF SUB STATION, TENDER SPECIFICATION, SBC REPORT, SITE CONDITION, CONTOUR MAP AND AS PER CODES & STANDARDS.
46. CERTAIN MINIMUM REQUIREMENTS ARE INDICATED FOR GUIDANCE PURPOSE ONLY. HOWEVER BIDDER SHALL QUOTE THE RATES ACCORDING TO COMPLETE SYSTEM REQUIREMENTS AND AVAILABLE SOIL CONDITIONS.
47. LOCATION OF RCC COLUMN SHOWN IN THIS DRG. IS INDICATIVE. ACTUAL LOCATION OF COLUMN SHALL BE GOVERNED BY DESIGN CALCULATIONS, MANUFACTURER REQUIREMENT, TENDER SPECIFICATION AND RELEVANT STANDARDS AND CODES.
48. LOADING PLATFORM OF MINIMUM SIZE 2000X3000 SHALL BE PROVIDED AT ENTRANCE OF GIS HALL AS SHOWN IN THE DRG, HAVING ADEQUATE CAPACITY.
49. LOOKING TO THE SOIL CONDITIONS, ALL COLUMN/COLUMN FOOTING/STRUCTURE FOUNDATIONS SHALL BE RESTED ON PILE FOUNDATION. HOWEVER, TYPE OF FOUNDATION SHALL BE DECIDED ON THE BASIS OF RECOMMENDATION MENTIONED IN DETAILED SOIL INVESTIGATION REPORT BY SOIL TESTING AGENCY.

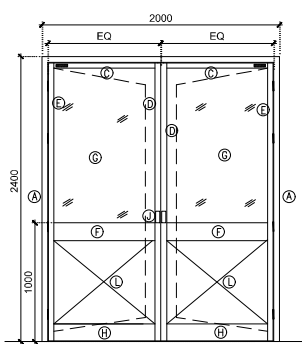
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TENTATIVE BASEMENT, GROUND FLOOR, FIRST FLOOR & TERRACE PLAN FOR GIS BUILDING AT 66KV GOTHAN-II (GIS) SUB-STATION

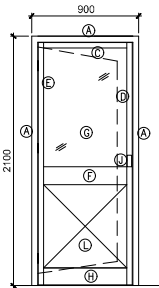
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JE (CIVIL)	DE (CIVIL)	EE (CIVIL)	SE (ENGG)	I/C ACE (ENGG)	1 OF 5	R0
NTS	01.06.26	GETCO / C / 06S-670/GIS-01				



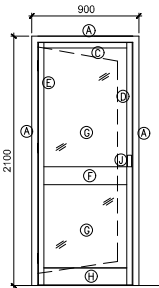
D: 2000 x 2400
ALUMINIUM DOUBLE SHUTTER
FULLY GLAZED DOOR
(DOUBLE SIDE SWING DOOR)



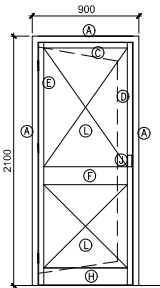
D0: 2000 x 2400
PARTLY PANEL & PARTLY GLAZED
DOUBLE SHUTTER DOOR



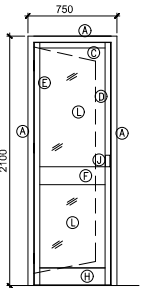
D1: 900 x 2100
PARTLY PANEL & PARTLY
GLAZED
SINGLE SHUTTER DOOR



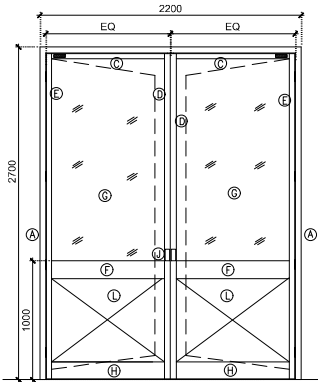
D1A: 900 x 2100
FULLY GLAZED
SINGLE SHUTTER DOOR



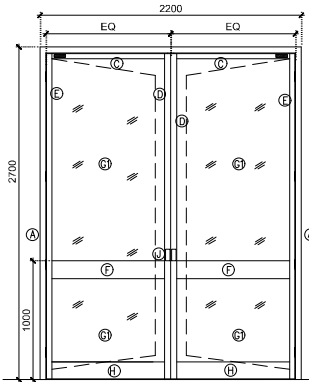
D2: 900 x 2100
SINGLE LEAF ALUMINIUM
FULLY PANEL DOOR .



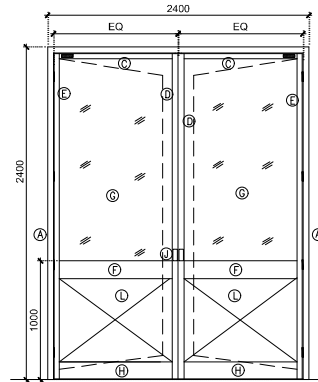
D3: 750 x 2100
SINGLE LEAF ALUMINIUM
FULLY PANEL DOOR .



DA: 2200 x 2700
DOUBLE LEAF ALUMINIUM
PARTLY PANEL & PARTLY GLAZED
PANEL DOOR .

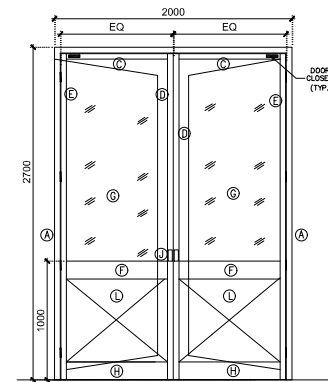


DB: 2200 x 2700
FULLY GLAZED DOUBLE SHUTTER DOOR
(DOUBLE SIDE SWING DOOR)

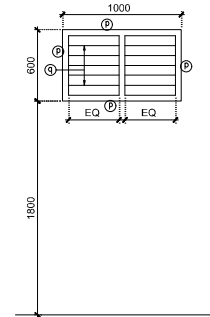


D2A: 2400 x 2400
DOUBLE LEAF ALUMINIUM
PARTLY PANEL & PARTLY GLAZED
PANEL DOOR .

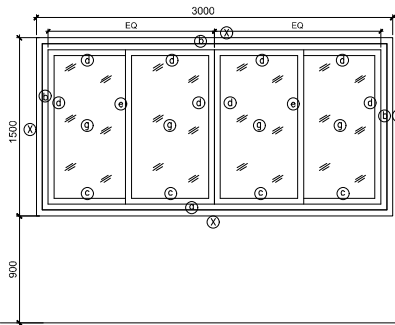
LEGEND FOR ALUMINIUM GLAZED WINDOW :-					
S.NO	MARKED	JINDAL CODE	DESCRIPTION	SIZE	WEIGHT KG./M.
01	a	20619	TWO TRACK WINDOW OUTER BOTTOM FRAME	61.85 x 31.75 x 1.20	0.695
02	b	20681	TWO TRACK WINDOW OUTER SIDE & TOP FRAME	61.85 x 31.75 x 1.30	0.659
03	c	20846	TWO TRACK WINDOW SHUTTER BOTTOM FRAME	40.00 x 18.00 x 1.29	0.456
04	d	20846	TWO TRACK WINDOW SHUTTER SIDE & TOP FRAME	40.00 x 18.00 x 1.29	0.456
05	e	20531	SHUTTER INTER LOCK FRAME	50.00 x 29.00 x 1.50	0.697
06	g	-	6.0 MM thk. PLAIN FLOAT GLASS	-	-
07	p	20054	LOUVERS VENT.OUTER FRAME SINGLE GROOVE	63.0 x 38.1 x 1.17	0.681
08	q	-	PIN HEAD GLASS, LOUV, FIXED WITH SUITABLE ALU. CHNNAL	-	-
09	t	-	FIX WINDOW MIDDLE MEMBER WITH DOUBLE GROOVE	63.50 x 38.10 x 1.21	0.761
10	x	20026	WINDOW EXTERNAL FRAME	63.50 x 38.10 x 1.95	1.092
11		19377	GLAZING CLIP	19.00 x 17.30 x 1.20	0.154



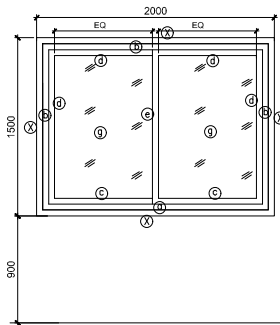
RD: 2000 x 2700
ALUMINIUM DOUBLE SHUTTER PARTLY
PANEL & PARTLY GLAZED DOOR
(RESTRICTED ENTRY)



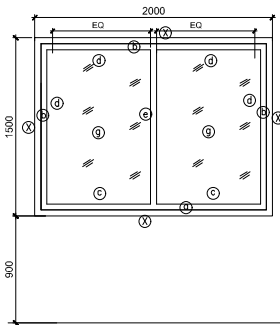
V1: 1000 x 600
ALUMINIUM
GLASS LOUVERS



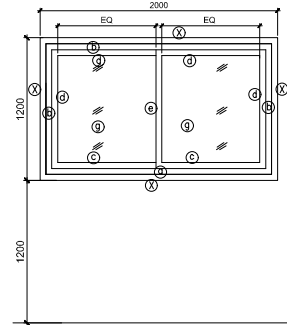
W1: 3000 x 1500
ALUMINIUM
TWO TRACK SLIDING WINDOW



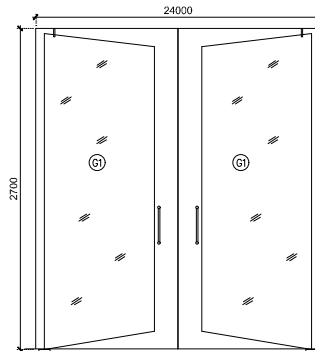
W2: 2000 x 1500
ALUMINIUM
TWO TRACK SLIDING WINDOW



W2A: 2000 x 1500
ALUMINIUM
FIX WINDOW

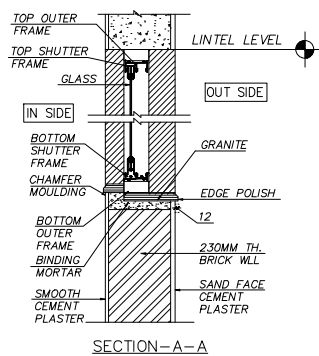


WP: 2000 x 1200
ALUMINIUM
TWO TRACK SLIDING WINDOW

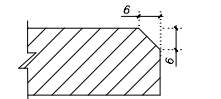


MD: 2400 X 2700
FULLY GLAZED DOUBLE SHUTTER DOOR

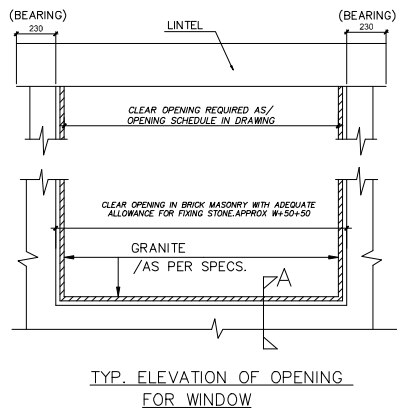
LEGEND FOR ALUMINIUM DOOR :-					
S.NO	MARKED	JINDAL CODE	DESCRIPTION	SECTION SIZE	WEIGHT KG./M
01	A	20005	DOOR EXTERNAL FRAME	63.5 x 38.1 x 3.18	1.777
02	C	19503	SHUTTER TOP RAIL	47.62 X 44.45 X 3.18	1.501
03	F	19517	SHUTTER LOCK RAIL	150.0 x 44.45 x 2.20	2.376
04	D	19516	SHUTTER VERTICAL STYLE	53.70 x 44.45 x 2.30	1.238
05	E	19518	SHUTTER VERTICAL STYLE (HINGE SIDE)	53.70 x 44.45 x 2.30	1.173
06	H	19517	SHUTTER BOTTOM RAIL	150.0 x 44.45 x 2.20	2.376
07	G	—	CLEAR FLOAT GLASS	6.0 MM THK.	—
08	G1	—	CLEAR FLOAT GLASS	12.0 MM THK.	—
09		J4954	TOWER BOLT	250 MM LONG.	—
10	L	—	PRELAMINATED PARTICAL BOARD (BOTH SIDE)	10.0 MM THK.	—
11	J	18621	AMERICAN DOOR HANDLE	127.0 x 37.0 x 3.90	1.996



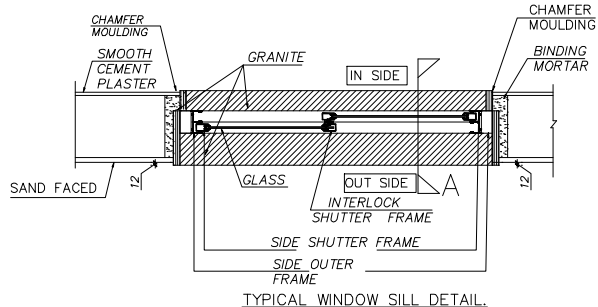
TYP. DETAIL OF WINDOW FRAME
JUCTION WITH 45 CUT



CHAMFER GRANITE STONE



TYP. ELEVATION OF OPENING
FOR WINDOW



TYPICAL WINDOW SILL DETAIL.



- GENERAL NOTES
- DO NOT SCALE THE DRAWING. REFER TO WRITTEN DIMENSIONS ONLY.
 - ALL MEASUREMENTS MUST BE CHECKED AND VERIFIED AT SITE. ANY DISCREPANCY FOUND, TO BE NOTIFIED TO THE CONSULTING ENGINEER / GETCO BEFORE EXECUTION.
 - ALL DIMENSIONS ARE IN MM. & ALL LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
 - WHEN FRAME IS TO BE FIXED TO R.C.C. MEMBER, HOLES SHALL BE DRILLED AND SCREWING SHALL BE DONE TO HOLD FRAME IN POSITION.
 - CLEAR OPENING SIZE AND NOS. TO BE VERIFIED AS PER SITE BEFORE ORDERING.
 - DOOR, WINDOW, VENTILATOR SHOWN IN THIS DRAWING IS FOR REFERENCE, CLEARANCE & PATTERN ONLY. FOR EXECUTION FINAL DRAWING SHALL BE PREPARED BY BIDDER ON THE BASES OF THIS DRAWING. & ARCHITECTURE DRAWING SHALL BE REFERRED.

- SPECIAL NOTES:-
- PLEASE NOTE THAT THE INDICATED DOORS, WINDOWS, AND VENTILATIONS ARE FOR REFERENCE ONLY. THEIR SIZES AND NOTATIONS HAVE NOT BEEN COMPARED WITH THE ARCHITECTURAL DRAWING OF THE GIS BUILDING.
 - PLEASE NOTE THAT DIMENSIONS / DETAILS SHOWN IN THIS DRAWINGS ARE MINIMUM REQUIREMENT WHICH IS TO BE STRICTLY FOLLOWED. BIDDER IS REQUESTED TO ADD FURTHER DETAILS / ITEMS AS PER ACTUAL REQUIREMENTS BASED ON SITE CONDITIONS, FUNCTIONAL REQUIREMENT, I.S. CODE AND STANDARDS, SOIL STRATA, ENVIRONMENTAL CONDITIONS ETC.

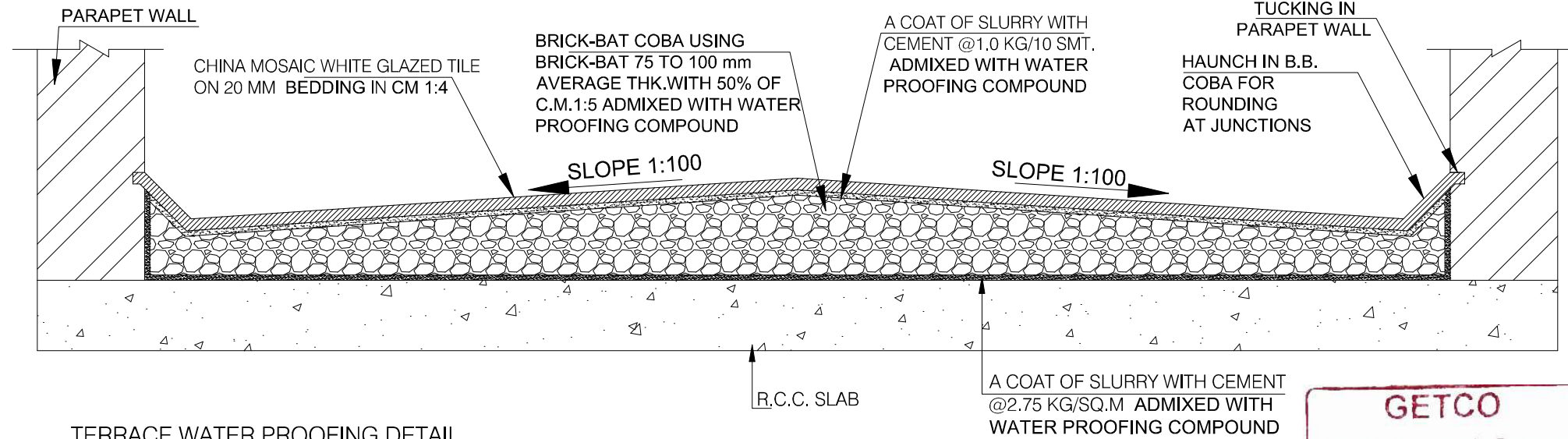
1	TENTATIVE LAYOUT PLAN OF 66KV GOTHAN-II S/S, DRG. NO. GETCO/E/6S-670/P-005, REV. R0, DATE.01.06.2026
SR NO.	REFERENCE

R0	FIRST PREPARATION
REV:	DESCRIPTION
CHECKED:	APPD:
JE (CIVIL)	DE (CIVIL)
EE (CIVIL)	SE (ENGG.)
IC ACE (ENGG.)	REV:
SCALE:	DATE:
N.T.S.	01.06.26
GETCO/C/	06S-670/GIS-01
03 OF 05	R0

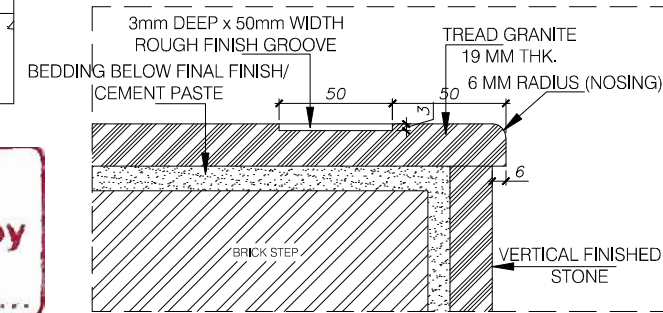
GUJARAT ENERGY TRANSMISSION CORPN.LTD.
S.P.VIDYUT BHAVAN, RACE COURSE,
VADODARA - 390 007

TENTATIVE DOOR, WINDOW DETAILS FOR GIS BUILDING AT 66KV GOTHAN-II (GIS) SUB-STATION.

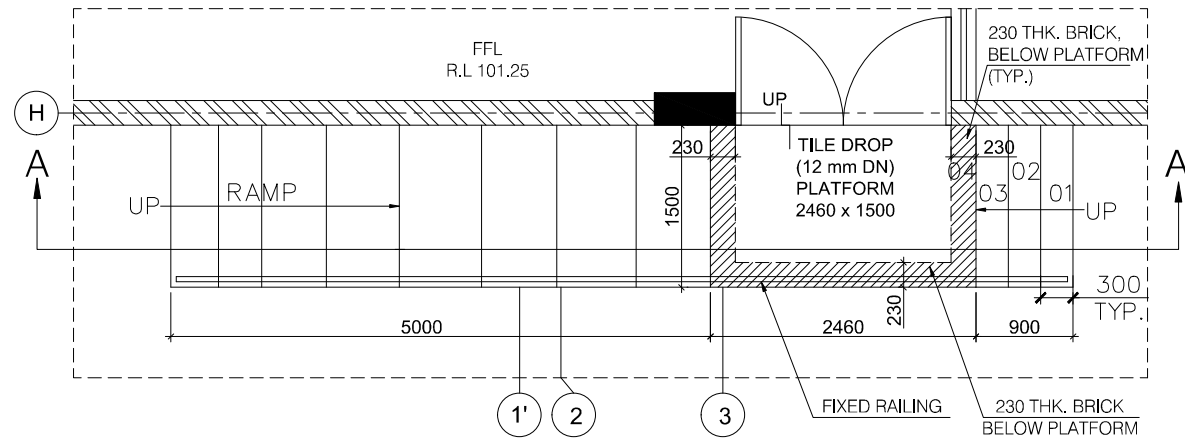
(1ST LAYER- 20MM THICK OF C.M. 1:5)



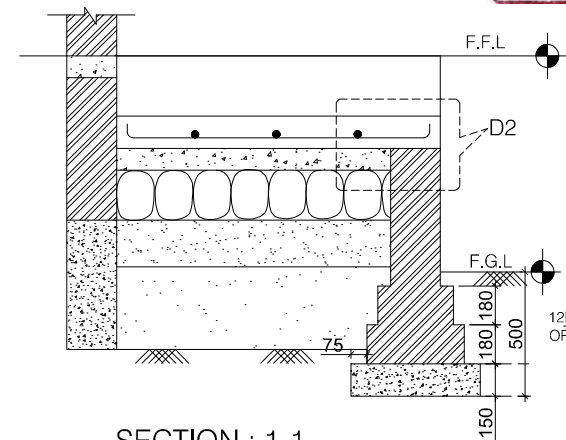
TERRACE WATER PROOFING DETAIL.



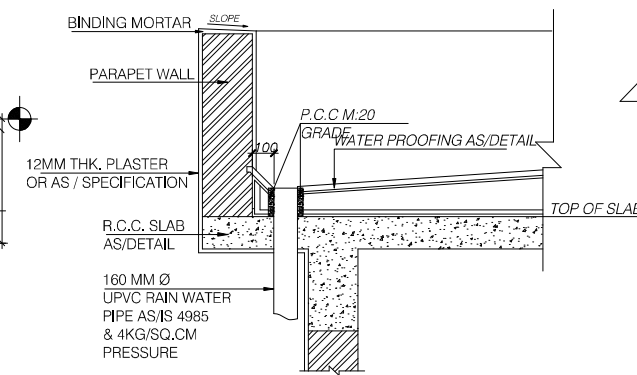
D1 : ENLARGE DETAIL (TYP.)



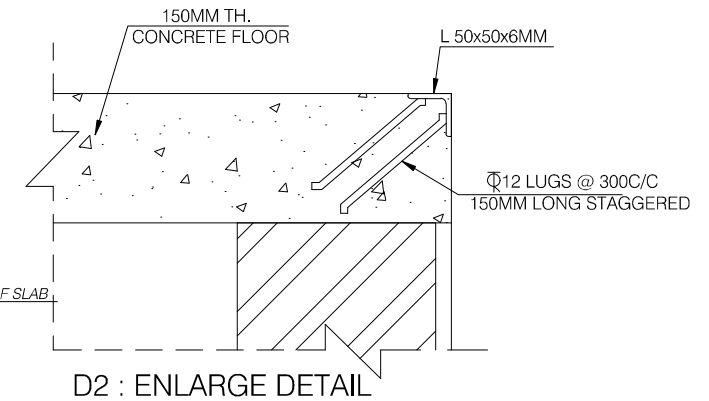
RAMP & ENTRANCE PART PLAN:



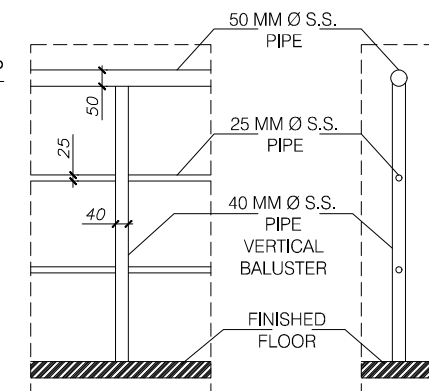
SECTION : 1-1



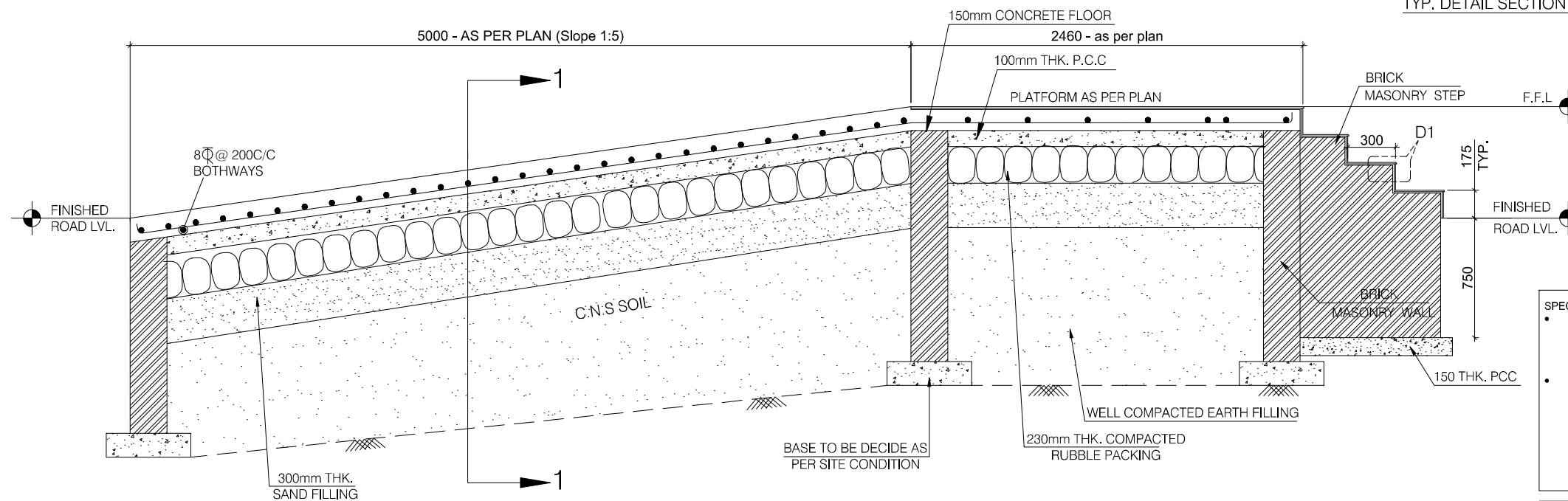
TYP. DETAIL SECTION OF R.W.P



D2 : ENLARGE DETAIL



TYP. DETAIL OF FIXED RAILING AT RAMP



SECTION : A-A

SPECIAL NOTES:-
• PLEASE NOTE THAT THE INDICATED DETAILS ARE FOR REFERENCE ONLY. THEIR SIZES, SECTIONS AND OTHER HAVE NOT BEEN COMPARED WITH THE ARCHITECTURAL DRAWING OF THE GIS BUILDING.
• PLEASE NOTE THAT DIMENSIONS / DETAILS SHOWN IN THIS DRAWINGS ARE MINIMUM REQUIREMENT WHICH IS TO BE STRICTLY FOLLOWED. BIDDER IS REQUESTED TO ADD FURTHER DETAILS / ITEMS AS PER ACTUAL REQUIREMENTS BASED ON SITE CONDITIONS, FUNCTIONAL REQUIREMENT, I.S. CODE AND STANDARDS, SOIL STRATA, ENVIRONMENTAL CONDITIONS ETC.



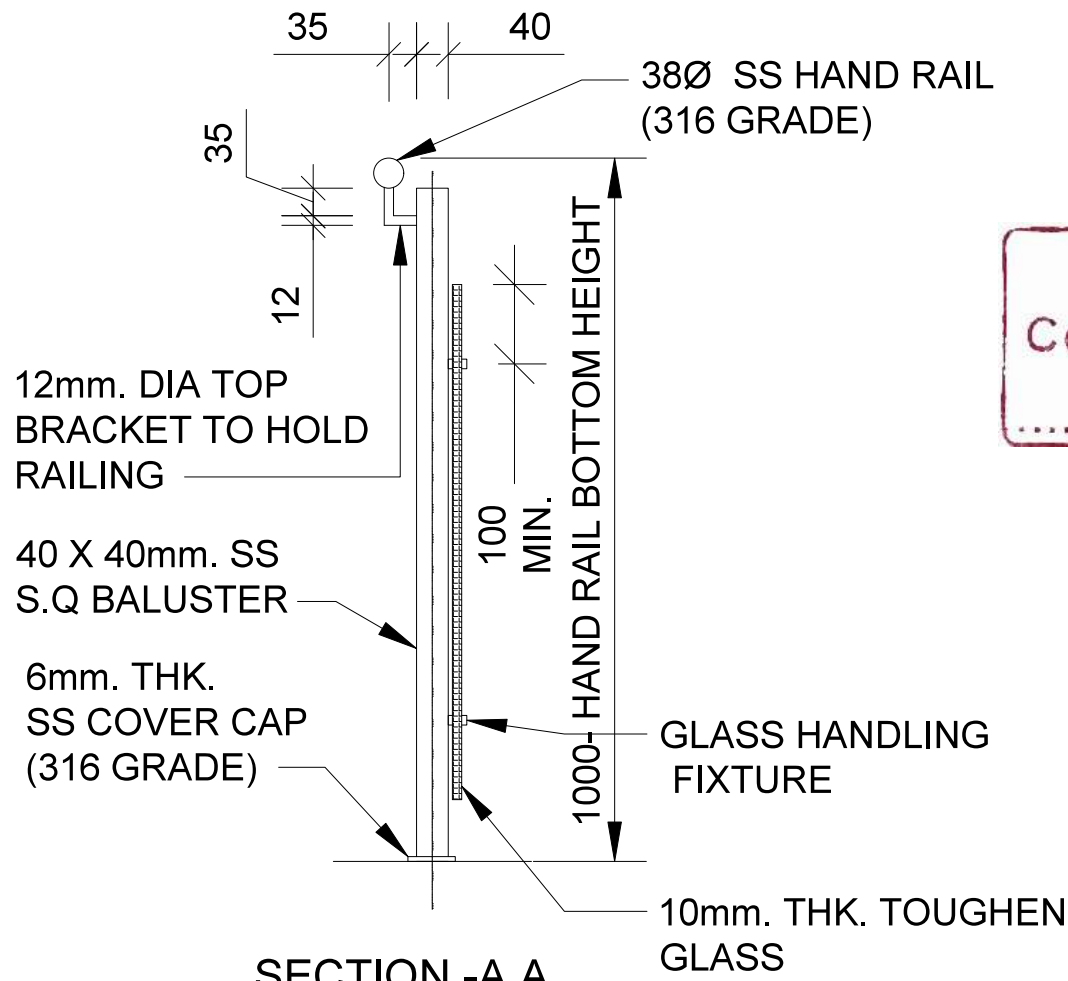
TENDER PURPOSE
GUJARAT ENERGY TRANSMISSION CORPN.LTD.
S.P.VIDYUT BHAVAN, RACE COURSE,
VADODARA - 390 007

TENTATIVE MISC. DETAILS FOR GIS BUILDING
AT 66KV GOTHAN-II (GIS) SUB-STATION.

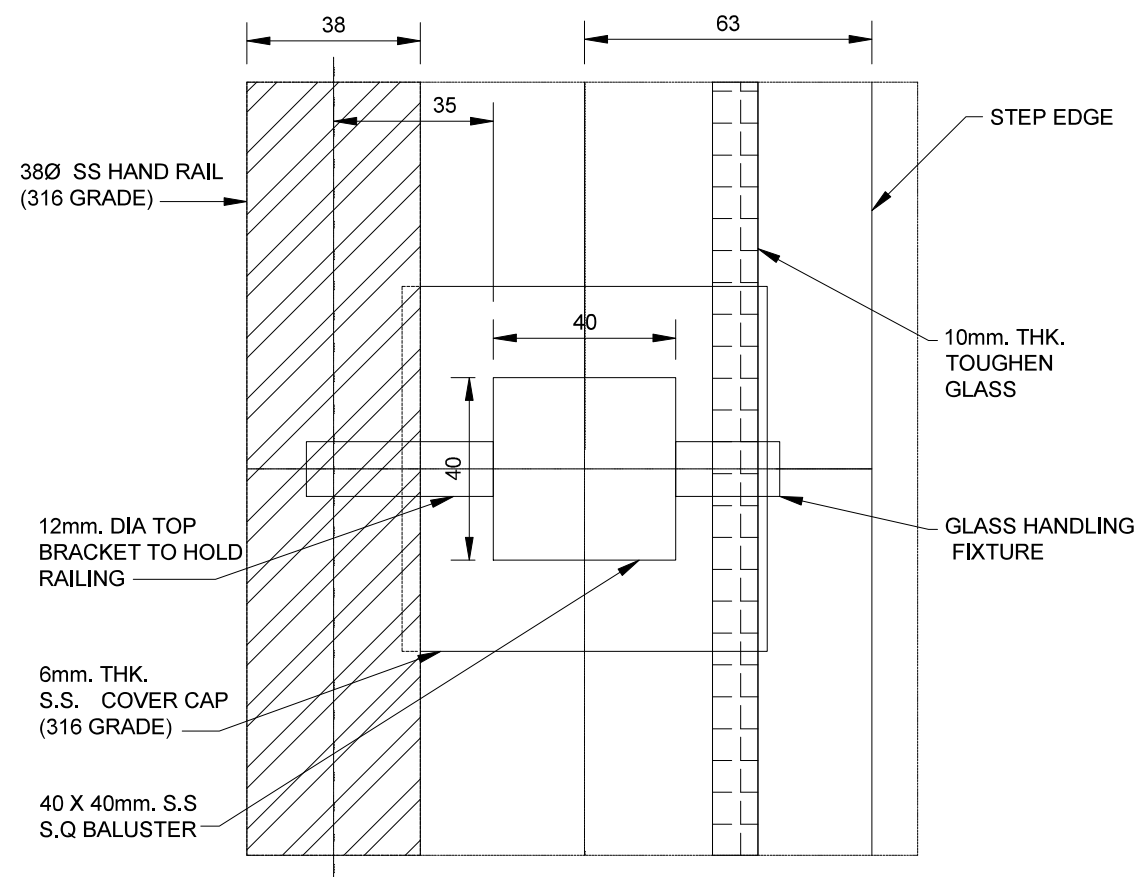
CHECKED:		APPD:		SIZE: A1
JE (CIVIL)	DE (CIVIL)	EE (CIVIL)	SE (ENGG.)	
SCALE:	DATE:	DRG. NO:	SHEET:	REV:
N.T.S.	01.06.26	GETCO/C/ 06S-670/GIS-01	04 OF 05	R0

1	TENTATIVE LAYOUT PLAN OF 66KV GOTHAN-II S/S, DRG. NO. GETCO/E/6S-670/P-005, REV. R0, DATE.01.06.2026
SR NO.	REFERENCE

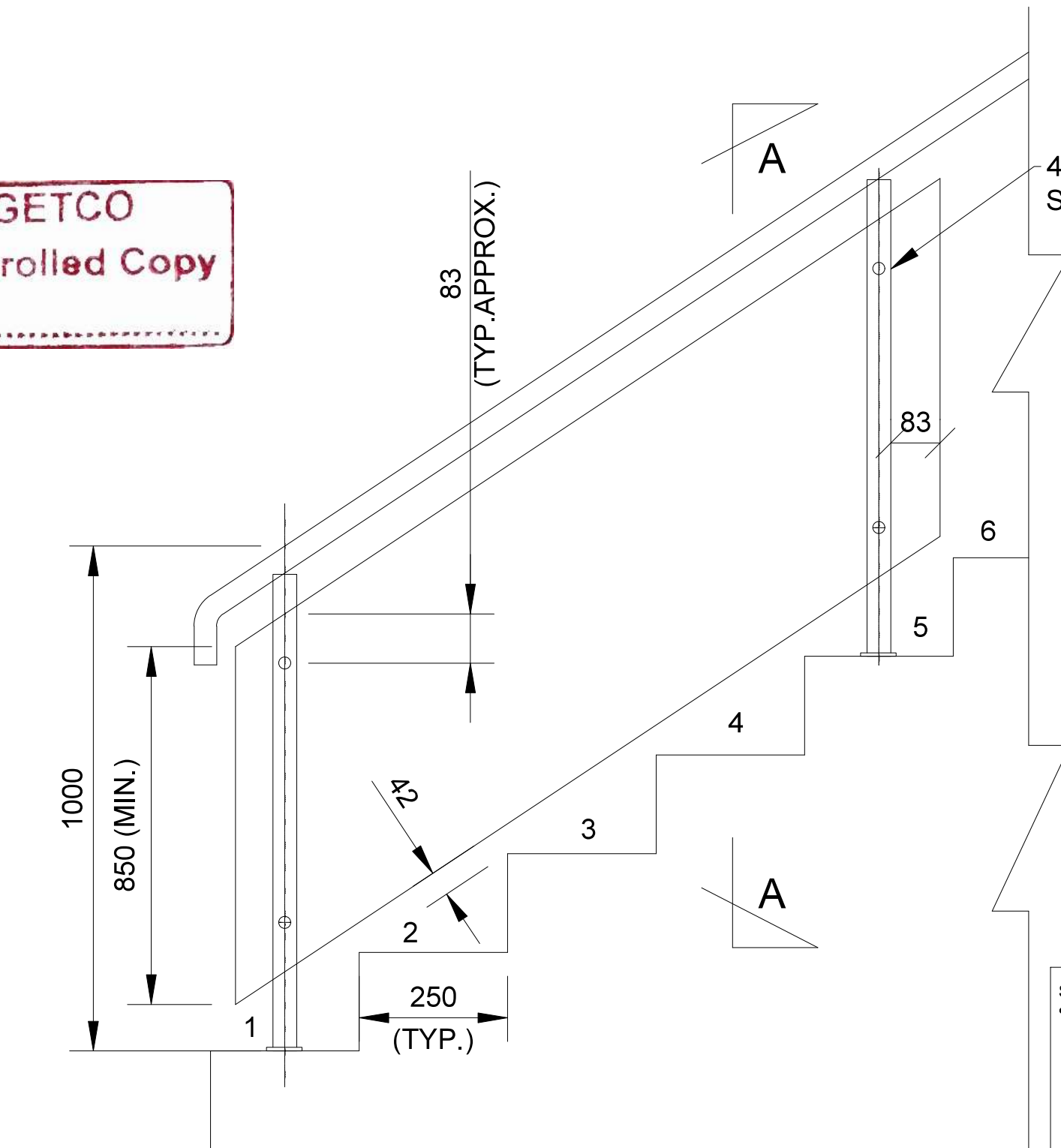
R0	FIRST PREPARATION
REV:	DESCRIPTION



SECTION -A,A



ENLARGED PLAN VIEW



TYPICAL DETAILS OF STAIR CASE SIDE RAILING-
SIDE ELEVATION

COMMENT:-

1. WORK SHALL BE EXECUTED AS PER DESCRIPTION BELOW:-
PROVIDING, FABRICATING AND FIXING ANTI CORROSIVE HIGH GRADE AISI 316 STAINLESS STEEL RAILING HEAVY GAUGE MATERIALS TO BE USED WITH REQUIRED REMOVABLE PATCH FITTING FOR FIXING FROSTED GLASS OF STANDARD COMPANY LIKE MODI GAURD/SAINT GOBAIN/ASHI FLOAT AS PER ARCHITECTURAL DRAWING & DETAILS, FOR THE RAILING, IN STAIRCASE, ETC FABRICATING, HOISTING & FIXING IN POSITION WITH ANGLE CLEATS, ANCHOR FASTENERS, HOLDFAST ETC IN RCC OR MASONRY ETC.
2. FASTENERS SHOULD BE COVERED WITH S.S. PLATE WITH COVER CAP IN TRUE LINE LEVEL & PLUMB, INCLUDING COMPLETE WELDING, CLEARING THE WELDING DOTS WITH GRINDER MACHINE, & BUFFING THE SAME WITH REQUIRED BUFFING MACHINE & MATCH TO ORIGINAL & COMPLETE NO PINHOLES KEPT, INCLUDING BUFFING IN SMOOTH OR MATT FINISH AS PER DETAILED DRAWING TO RAILING OF APPROVED QUALITY, INCLUDING WRAP TO ALL THE MEMBERS WITH PLASTIC PAPER AFTER BUFFING, AFTER THE COMPLETE FINISHING WORK COMPLETED OF BUILDING REMOVE PLASTICS FROM RAILING, SCAFFOLDING ETC COMPLETE AS DIRECTED BY ENGINEER IN CHARGE.

SPECIAL NOTES:-

- PLEASE NOTE THAT DIMENSIONS / DETAILS SHOWN IN THIS DRAWINGS ARE MINIMUM REQUIREMENT WHICH IS TO BE STRICTLY FOLLOWED. BIDDER IS REQUESTED TO ADD FURTHER DETAILS / ITEMS AS PER ACTUAL REQUIREMENTS BASED ON SITE CONDITIONS, FUNCTIONAL REQUIREMENT, I.S. CODE AND STANDARDS, SOIL STRATA, ENVIRONMENTAL CONDITIONS ETC.

TENDER PURPOSE

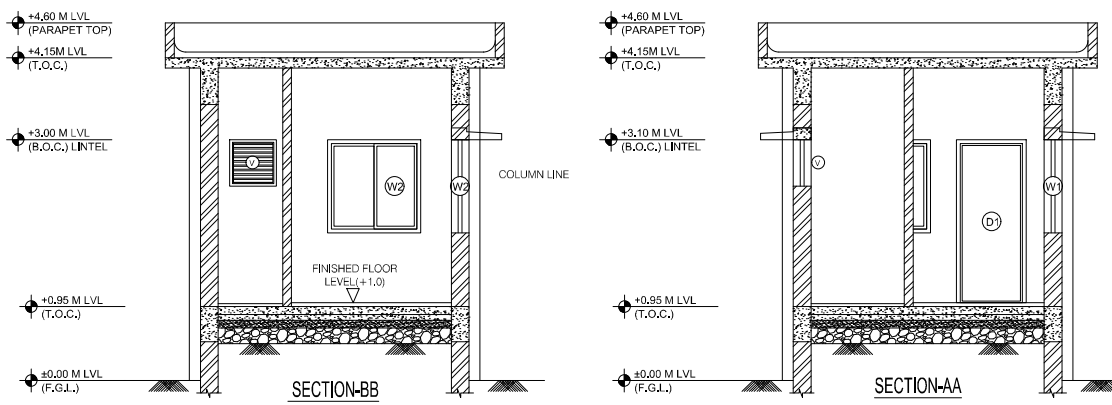
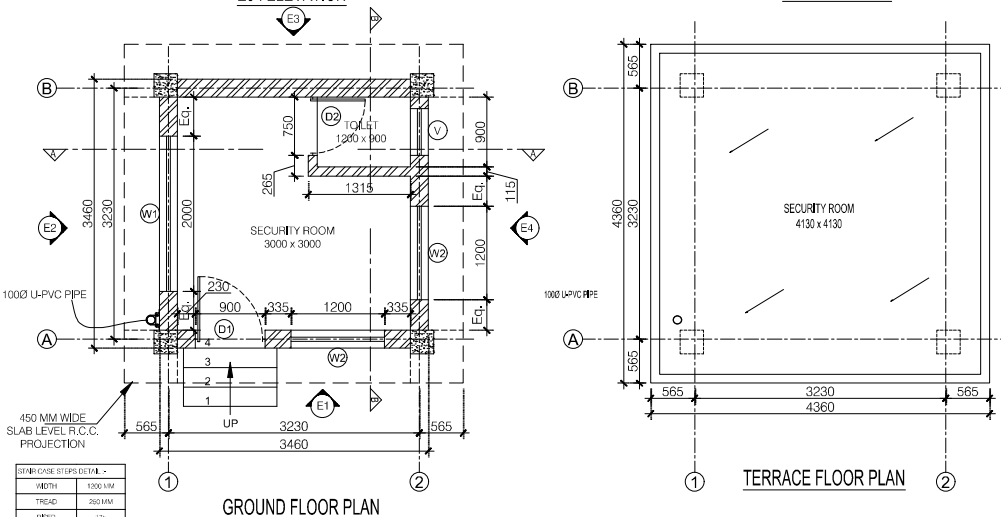
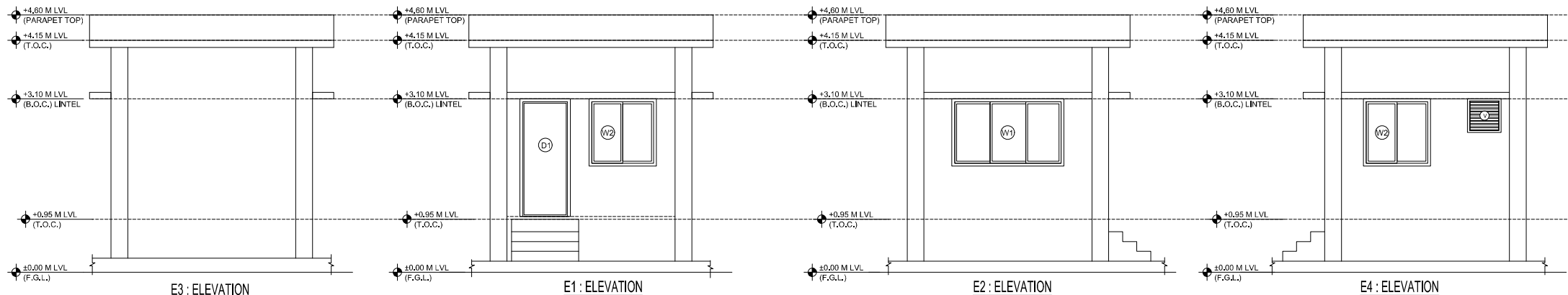


GUJARAT ENERGY TRANSMISSION CORPN.LTD.
S.P.VIDYUT BHAVAN, RACE COURSE,
VADODARA - 390 007

**TENTATIVE STAIR CASE GLASS RAILING DETAILS
AT 66kV GOTHAN-II (GIS) SUB-STATION.**

CHECKED:		APPD:		SIZE: A3
JE (CIVIL)	DE (CIVIL)	EE (CIVIL)	SE (ENGG.)	
SCALE:	DATE:	DRG. NO:		SHEET:
N.T.S	01.06.26	GETCO / C / 06S-670/ GIS-01		5 OF 5

1	TENTATIVE LAYOUT PLAN OF 66KV GOTHAN-II S/S, DRG. NO. GETCO/E/6S-670/P-005, REV. R0, DATE.01.06.2026	R0	FIRST PREPARATION
SR NO.	REFERENCE	REV.	DESCRIPTION



IMPORTANT NOTES
A GENERAL
1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED & LEVELS ARE IN METER.
2. DO NOT SCALE THE DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. THE DRAWING MUST BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWING I.E. ARCHITECTURAL, ELECTRICAL & STRUCTURAL DRAWING. (GA DRAWING OF MANUFACTURER)
4. ALL THE WORK SHALL BE CARRIED OUT AS PER RELEVANT FIELD QUALITY PLAN APPROVED BY GETCO.
5. IN CASE OF ANY DOUBT OR DISCREPANCIES, PLEASE CONTACT ENGG. CELL. NO ASSUMPTIONS SHALL BE MADE.
6. ALL SAFETY PRECAUTIONS AS MENTIONED IN ELECTRICAL LAYOUT, SAFETY MANUAL & RELEVANT STANDARD CODES. SHALL BE SCRUPULOUSLY FOLLOWED WHILE EXECUTION OF WORK.

B CONCRETE
7. THE CEMENT SHALL BE ORDINARY PORTLAND CEMENT WITH C3A CONTENT FROM 5 TO 8 % FOR ALL CIVIL WORK.
8. ALL THE RCC WORK SHALL BE CARRIED OUT AS PER IS 456:2000, WITH LATEST REVISION.
9. THE GRADE OF CONCRETE SHALL BE M425, WITH MINIMUM CEMENT CONTENT OF 400 KG/M³, EXCEPT LEAN CONCRETE MIX DESIGN SHALL BE DONE CONSIDERING SEVERE ENVIRONMENT EXPOSURE CONDITIONS.
10. THE GRADE OF LEAN CONCRETE SHALL BE M-15
11. CONCRETING OF ALL CIVIL WORKS UNDER BIDDER SCOPE FOR GRADE OF M30, M25 & M20 SHALL BE DONE WITH THE HELP OF DIGITAL WEIGH BATCHER OR FLORI (MOBILE CONCRETE BATCHING PLANT) ONLY.
12. ALL CONCRETE SHALL BE MACHINE MIXED, VIBRATED & CURED FOR MINIMUM 10 DAYS.
13. USE OF NEEDLE VIBRATOR IS COMPULSORY FOR ALL CONCRETE WORKS.

C REINFORCEMENT
14. REINFORCEMENT BARS SHALL BE TMT (THERMO MECHANICALLY TREATED) OF GRADE FE-500/550D/550 BARS CONFIRMING TO IS 1786(LATEST REVISION) COATED WITH FUSION BONDED EPOXY COATING AS PER IS-13620(LATEST REVISION)
15. REINFORCEMENT SHALL BE BENT & FIXED IN ACCORDANCE WITH THE PROCEDURE SPECIFIED IN IS 2502-1963.
16. CLEAR COVER TO THE REINFORCEMENT SHALL BE AS UNDER

	TOP	BOTTOM	SIDES
FOOTING (RAFT & ISOLATED)	50	75	50
PILE CAPS	50	100	50
PILE	75	75	75
GRADE BEAM	-	40	40
COLUMNS & PEDESTALS	50	-	50
BEAMS ABOVE GROUND LEVEL	35	35	35
GRADE SLAB	25	25	25
LINTEL BEAMS	25	25	25
SLABS & STAIRCASE	25	25	25
CABLE TRENCHES BASE SLAB	20	35	35
WALL	20	35	35

17. LAP LENGTH SHOULD BE 50 TIMES OF DIA.
18. LAP AT SUPPORT SECTION, JOINT SECTION & MID SPAN SHALL BE AVOIDED.
19. OVERLAPPING OF REINFORCEMENT SHALL BE STAGGERED.
20. UNLESS OTHERWISE SPECIFIED DISTN., STEEL SHOULD BE 8 MM, TOR @ 200 MM, C/C.
21. IN CASE OF CONTINUOUS SUPPORT, REINFORCEMENTS ARE DIFFERENT FOR TWO ADJACENT BEAMS / SLABS, THE HIGHER SUPPORT REINFORCEMENT OF THE TWO SHALL BE PROVIDED AT THE SUPPORT

D FOUNDATION
22. IN THE COURSE OF EXCAVATION, IF, SUB SOIL STRATA DIFFERS IN COMPARE TO SBC REPORT, THE SAME SHALL BE REPORTED TO THE CONCERN FOR NECESSARY STEPS BY THE ENGINEERING CELL.
23. LAY-OUT, LINE-OUT & ORIENTATION SHALL BE CHECKED JOINTLY BY E. E. / D. E. - (CIVIL) & E. E. / D. E. - (CONST), ON THE BASIS OF APPROVED ELECTRICAL LAY-OUT, GA DRAWING & THIS DRAWING, PRIOR TO START THE WORK.

FOR OPEN FOUNDATION
24. NO FOUNDATION SHALL BE RESTED ON FILLED-UP SOIL / BLACK COTTON SOIL.
25. IF FILLED UP SOIL ENCOUNTERED, FOUNDATION SHALL BE TAKEN 300 MM BELOW VIRGIN SOIL.
26. IF FOUNDATION FALLS ON EXCAVATED TRENCHES OF ADJOINING FOUNDATION, THAN FOUNDATION SHALL EXTENDED UP TO THE DEPTH OF ADJOINING FOUNDATION.
27. IF BLACK COTTON SOIL ENCOUNTERED, AT FOUNDATION DEPTH, THAN FOUNDATION SHALL REST ON COMPACTED SAND BED OF 300MM THICK.

28. BACK FILLING OF FOUNDATION TRENCHES SHALL BE DONE WITH USE OF NON COHESIVE SOIL ONLY.
29. THE BACK FILLING AROUND THE FOUNDATION SHALL BE ADEQUATE TO ACHIEVE THE PROCTOR DENSITY OF 95%.

FOR PILE FOUNDATION
28. THE GRADE OF CONCRETE SHALL BE M-30 FOR PILE CAP, COLUMN, BEAM, RAFT, ETC., EXCEPT LEAN CONCRETE.
29. THE GRADE OF CONCRETE FOR PILE SHALL BE M-30, CONFIRMING TO IS 456 WITH MINIMUM CEMENT CONTENT AS 450 kg. / M³ WITH TREMIE CONCRETE.

30. CONCRETE SLUMP SHALL BE 120 TO 150MM, (VERY HIGH DEGREE OF WORKABILITY) FOR PILE FOUNDATION WITH TREMIE CONCRETE.
31. FOR CONSTRUCTION SPECIFICATION OF IS 2911 (PART-III), LATEST REVISION SHALL BE FOLLOWED.

32. THE PILE SHOULD PROJECT 100MM. IN TO THE PILE CAP CONCRETE.
33. INTEGRITY TEST TO BE DONE FOR ALL PILES, PRIOR TO CAST PILE CAP.

34. INITIAL AND ROUTINE PILE LOAD TEST SHALL BE CARRIED OUT FOR EACH CAPACITY OF PILE(I.E. FOR COMPRESSION, PULL OUT & LATERAL LOAD CAPACITY) AS PER PROVISION OF IS 2911-PART-IV-LATEST REVISION. TEST RESULTS SHALL BE COMPARED WITH RECOMMENDED VALUE GIVEN IN APPROVED SOIL INVESTIGATION REPORT PRIOR TO START OF WORKING PILE.

35. PILE CONCRETE SHALL BE DONE WITH MINIMUM LEAD TIME AFTER "PILE BORE" IS ACCEPTED & CLEARED FOR REINFORCEMENT PLACEMENT AND CONCRETING, IN NO CASE, PILE BORE SHALL REMAIN OPEN FOR MORE THAN FOUR HOURS AFTER ACCEPTANCE

FOR HARD ROCK
36. CARE SHOULD BE TAKEN TO REMOVE LOOSENED PIECES OF ROCK SO AS TO REST THE FOUNDATION ON UNDISTURBED ROCK MASS.

37. WASHING & AIR JETTING SHALL BE DONE SO THAT THE FOUNDATION REST ON PRACTICALLY UNDISTURBED ROCK.
38. RAFT SHALL NOT OVERHANG AT ANY CORNERS, ELSE EXCAVATE THE FILLED UP SOIL AND BACK FILL IT BY LEAN CONCRETE OF REQUIRED STRENGTH UP TO FOUNDATION LEVEL.

39. HARD ROCK STRATA SHALL BE CLASSIFIED WHERE CHISELING, DRILLING AND BLASTING IS REQUIRED FOR EXCAVATION. THESE INCLUDE HARD SAND STONE, QUARTZITE, GRANITE, BASALT, HARD MARBLE ETC (REF: CBIP MANUAL CH NO: 10, CL NO:10.7(h) PAGE-219)

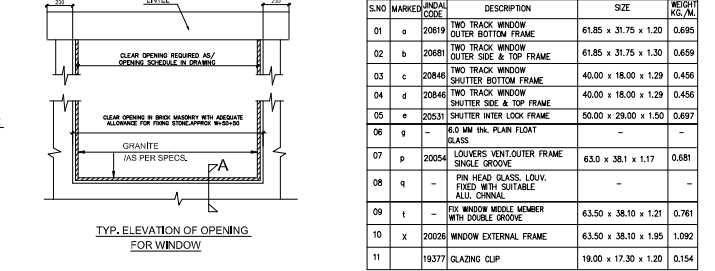
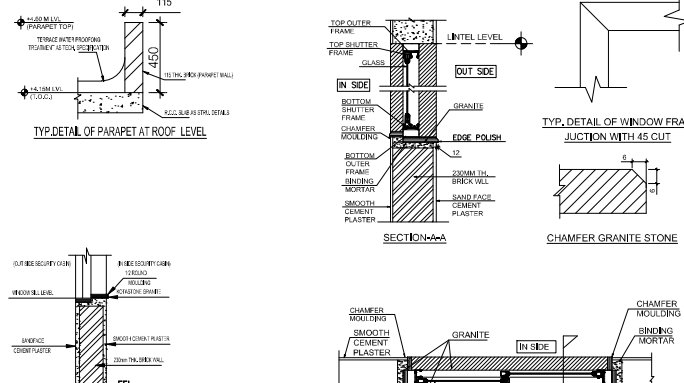
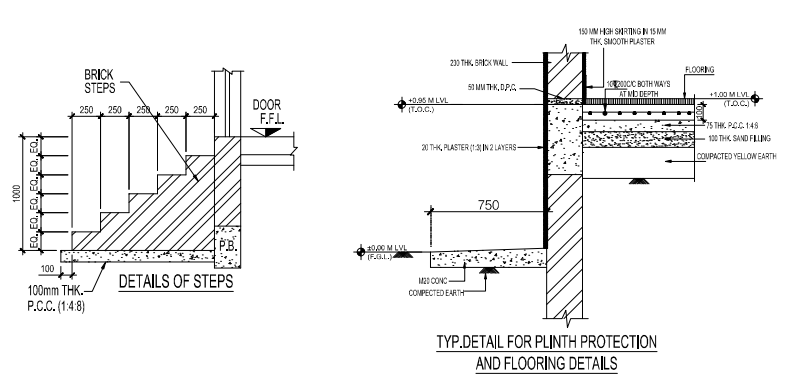
40. SOFT ROCK / FISSURED ROCK FOUNDATION SHALL BE CLASSIFIED WHEN DECOMPOSED OR FISSURED ROCK, HARD GRAVEL, KANKAR, LIME STONE, LATERITE OR ANY OTHER SOIL OF SIMILAR NATURE IS MET WHICH CAN BE EXCAVATED WITHOUT BLASTING.(CBIP MANUAL, CH. NO.: 10, CL. NO. 10.7(g), P. NO.: 219)

41. ANCHOR BAR OF SUFFICIENT CAPACITY SHALL BE GROUTED IN HARD ROCK WITH GROUTING MATERIAL AS PER BOQ.

E SPECIAL NOTE:
42. THIS DRAWING IS GIVEN FOR BID PURPOSE ONLY, HOWEVER, BIDDER HAS TO DEVELOP CONSTRUCTION DRAWINGS AND RELEVANT STRUCTURE DRAWINGS ON THE BASIS OF THIS DRAWING, APPROVED LAY OUT OF SUB STATION, TENDER SPECIFICATION, SBC REPORT, SITE CONDITION, CONTOUR MAP AND AS PER CODES & STANDARDS.

43. CERTAIN MINIMUM REQUIREMENTS ARE INDICATED IN THIS DRAWING FOR GUIDANCE PURPOSE, HOWEVER BIDDER SHALL QUOTE THE RATES ACCORDING TO SYSTEM REQUIREMENTS.

44. DIMENSION SHOWN IN THIS DRAWING IS MINIMUM REQUIRED & BIDDER CAN NOT DECREASE THE SAME. HOWEVER, IT SHALL INCREASED DURING DETAILED ENGINEERING AS PER RELEVANT CODES & STANDARD



S.NO	MARKED	INDIAL CODE	DESCRIPTION	SECTION SIZE	WEIGHT KG./M
01	a	20619	TWO TRACK WINDOW OUTER BOTTOM FRAME	61.85 x 31.75 x 1.20	0.895
02	b	20681	TWO TRACK WINDOW OUTER SIDE & TOP FRAME	61.85 x 31.75 x 1.30	0.659
03	c	20846	TWO TRACK WINDOW SHUTTER BOTTOM FRAME	40.00 x 18.00 x 1.29	0.456
04	d	20846	TWO TRACK WINDOW SHUTTER SIDE & TOP FRAME	40.00 x 18.00 x 1.29	0.456
05	e	20531	SHUTTER INTER LOCK FRAME	50.00 x 29.00 x 1.50	0.697
06	u	-	6.0 MM THK. PLAN FLOAT GLASS	-	-
07	p	20054	LOWERS VENT-OUTER FRAME SINGLE GROOVE	63.0 x 38.1 x 1.17	0.881
08	q	-	PN HEAD GLASS, LOUV. FIXED WITH SUITABLE ALL. CHINNAL	-	-
09	t	-	FIX WINDOW MOULD MEMBER WITH DOUBLE GROOVE	63.50 x 38.10 x 1.21	0.761
10	x	20028	WINDOW EXTERNAL FRAME	63.50 x 38.10 x 1.95	1.092
11	j	19377	GLAZING CLIP	19.00 x 17.30 x 1.20	0.154

S.NO	MARKED	INDIAL CODE	DESCRIPTION	SECTION SIZE	WEIGHT KG./M
01	A	20005	DOOR EXTERNAL FRAME	63.5 x 38.1 x 3.18	1.777
02	C	19503	SHUTTER TOP RAIL	47.82 x 44.45 x 3.18	1.501
03	F	19517	SHUTTER LOCK RAIL	150.0 x 44.45 x 2.20	2.376
04	D	19516	SHUTTER VERTICAL STYLE	53.70 x 44.45 x 2.30	1.238
05	E	19518	SHUTTER VERTICAL STYLE (HINGE SIDE)	53.70 x 44.45 x 2.30	1.173
06	H	19517	SHUTTER BOTTOM RAIL	150.0 x 44.45 x 2.20	2.376
07	G	-	CLEAR FLOAT GLASS	6.0 MM THK.	-
08	G1	-	CLEAR FLOAT GLASS	12.0 MM THK.	-
09	J4954	-	TOWER BOLT	250 MM LONG.	-
10	L	-	PRELAMINATED PARTIAL BOARD (BOTH SIDE)	10.0 MM THK.	-
11	J	18621	AMERICAN DOOR HANDLE	127.0 x 37.0 x 3.90	1.996

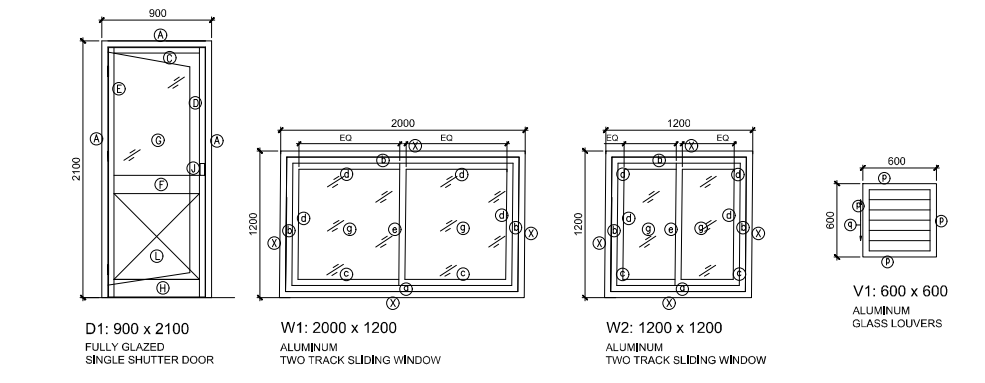
GETCO
Controlled Copy

OPENING SCHEDULE : FOR DOOR, WINDOW & VENTILATOR				
S.R.NO.	SYM.	SIZE (in mm)	BOTTOM OF LINTEL	SILL
1	D1	900 x 2100	+3.10	+1.00
2	D2	750 x 2100	+3.10	+1.00
3	W1	2000 x 1200	+3.10	+1.90
4	W2	1200 x 1200	+3.10	+1.90
5	V	600 x 600	+3.10	+2.50

WALL FINISHING SCHEDULE:		
S.R.NO.	TYPE	LOCATION
1	20MM PLASTER WITH EXTERIOR APEX PAINT	EXTERIOR WALL
2	OIL BOUND DISTEMPER	INSIDE WALL

FLOOR FINISHING SCHEDULE:		
S.R.NO.	TYPE	LOCATION
1	8MM THK. VITRIFIED CERAMIC TILES	SECURITY ROOM
2	KOTA STONE	ENTRANCE STEPS
3	ANTISKID CERAMIC TILES FOR FLOORING AND DADO OF FULL HEIGHT	TOILET

LEGEND:-	
1. FGL:- FINISHED GROUND LEVEL	
4. BOC:- BOTTOM OF CONCRETE	
5. TOC:- TOP OF CONCRETE	
COLUMN GOING UP	
COLUMN STOP AT THIS LEVEL	



SPECIAL NOTES:-
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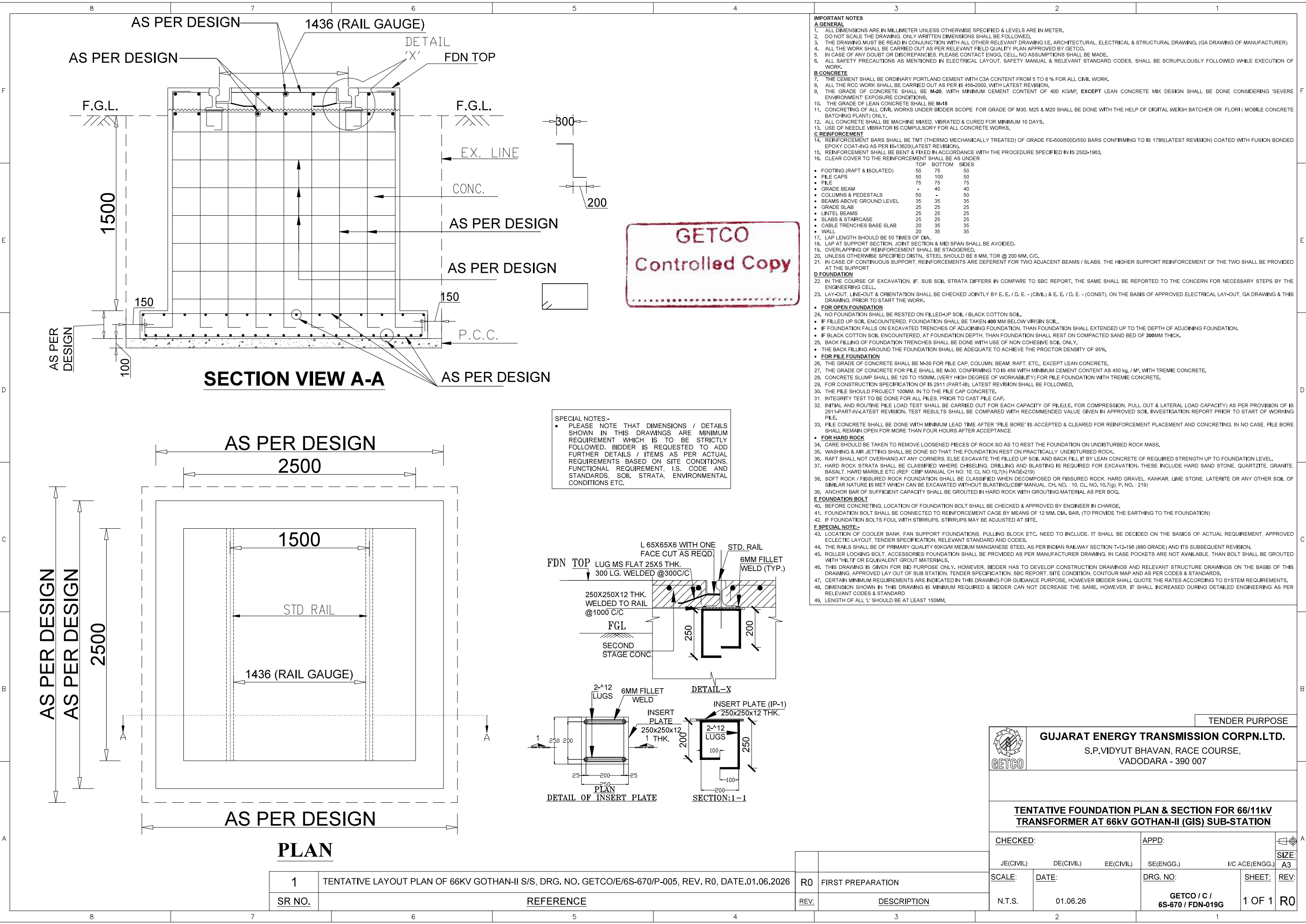
1	TENTATIVE LAYOUT PLAN OF 66KV GOTHAN-II S/S, DRG. NO. GETCO/E/6S-670/P-005, REV. R0, DATE.01.06.2026
SR NO.	REFERENCE

TENDER PURPOSE

GUJARAT ENERGY TRANSMISSION CORPN.LTD.
S.P.VIDYUT BHAVAN, RACE COURSE,
VADODARA - 390 007

TENTATIVE PLAN, ELEVATION & SECTION FOR SECURITY CABIN AT 66KV GOTHAN-II (GIS) SUB-STATION				
CHECKED:	APPD:	SIZE: A1		
JE (CIVIL)	DE (CIVIL)	EE (CIVIL)	SE (ENGG.)	I/C ACE (ENGG.)
SCALE:	DATE:	DRG. NO:	SHEET:	REV:
N.T.S	01.06.26	GETCO / C / 6S-670 / SC-020A	1 OF 1	R0



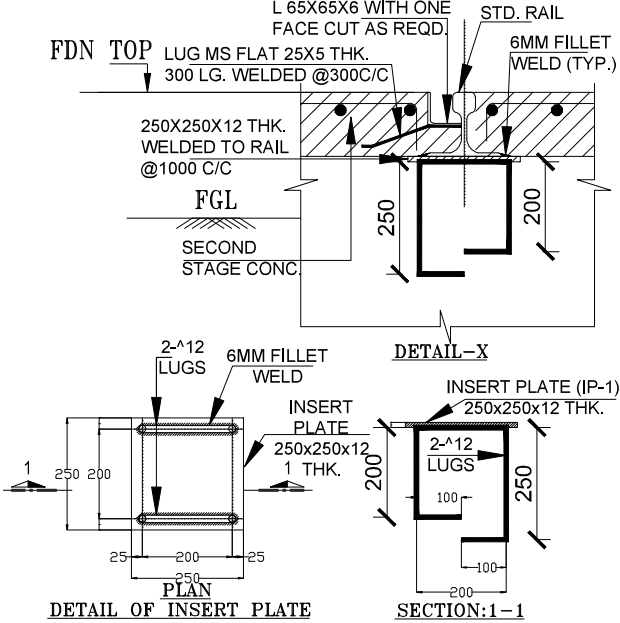


IMPORTANT NOTES
A GENERAL
1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED & LEVELS ARE IN METER.
2. DO NOT SCALE THE DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. THE DRAWING MUST BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWING I.E. ARCHITECTURAL, ELECTRICAL & STRUCTURAL DRAWING. (GA DRAWING OF MANUFACTURER)
4. ALL THE WORK SHALL BE CARRIED OUT AS PER IS 456-2000, WITH LATEST REVISION.
5. IN CASE OF ANY DOUBT OR DISCREPANCIES, PLEASE CONTACT ENGS. CELL. NO ASSUMPTIONS SHALL BE MADE.
6. ALL SAFETY PRECAUTIONS AS MENTIONED IN ELECTRICAL LAYOUT, SAFETY MANUAL & RELEVANT STANDARD CODES, SHALL BE SCRUPULOUSLY FOLLOWED WHILE EXECUTION OF WORK.
B CONCRETE
7. THE CEMENT SHALL BE ORDINARY PORTLAND CEMENT WITH C3A CONTENT FROM 5 TO 8 % FOR ALL CIVIL WORK.
8. ALL THE RCC WORK SHALL BE CARRIED OUT AS PER IS 456-2000, WITH LATEST REVISION.
9. THE GRADE OF CONCRETE SHALL BE **M-20**, WITH MINIMUM CEMENT CONTENT OF 400 KG/M³, **EXCEPT** LEAN CONCRETE MIX DESIGN SHALL BE DONE CONSIDERING 'SEVERE ENVIRONMENT' EXPOSURE CONDITIONS.
10. THE GRADE OF LEAN CONCRETE SHALL BE **M-15**
11. CONCRETING OF ALL CIVIL WORKS UNDER BIDDER SCOPE FOR GRADE OF M30, M25 & M20 SHALL BE DONE WITH THE HELP OF DIGITAL WEIGH BATCHER OR FLORI (MOBILE CONCRETE BATCHING PLANT) ONLY.
12. ALL CONCRETE SHALL BE MACHINE MIXED, VIBRATED & CURED FOR MINIMUM 10 DAYS.
13. USE OF NEEDLE VIBRATOR IS COMPULSORY FOR ALL CONCRETE WORKS.
C REINFORCEMENT
14. REINFORCEMENT BARS SHALL BE TMT (THERMO MECHANICALLY TREATED) OF GRADE FE-500/500D/550 BARS CONFIRMING TO IS 1786(LATEST REVISION) COATED WITH FUSION BONDED EPOXY COAT-ING AS PER IS-13620(LATEST REVISION).
15. REINFORCEMENT SHALL BE BENT & FIXED IN ACCORDANCE WITH THE PROCEDURE SPECIFIED IN IS 2502-1963.
16. CLEAR COVER TO THE REINFORCEMENT SHALL BE AS UNDER

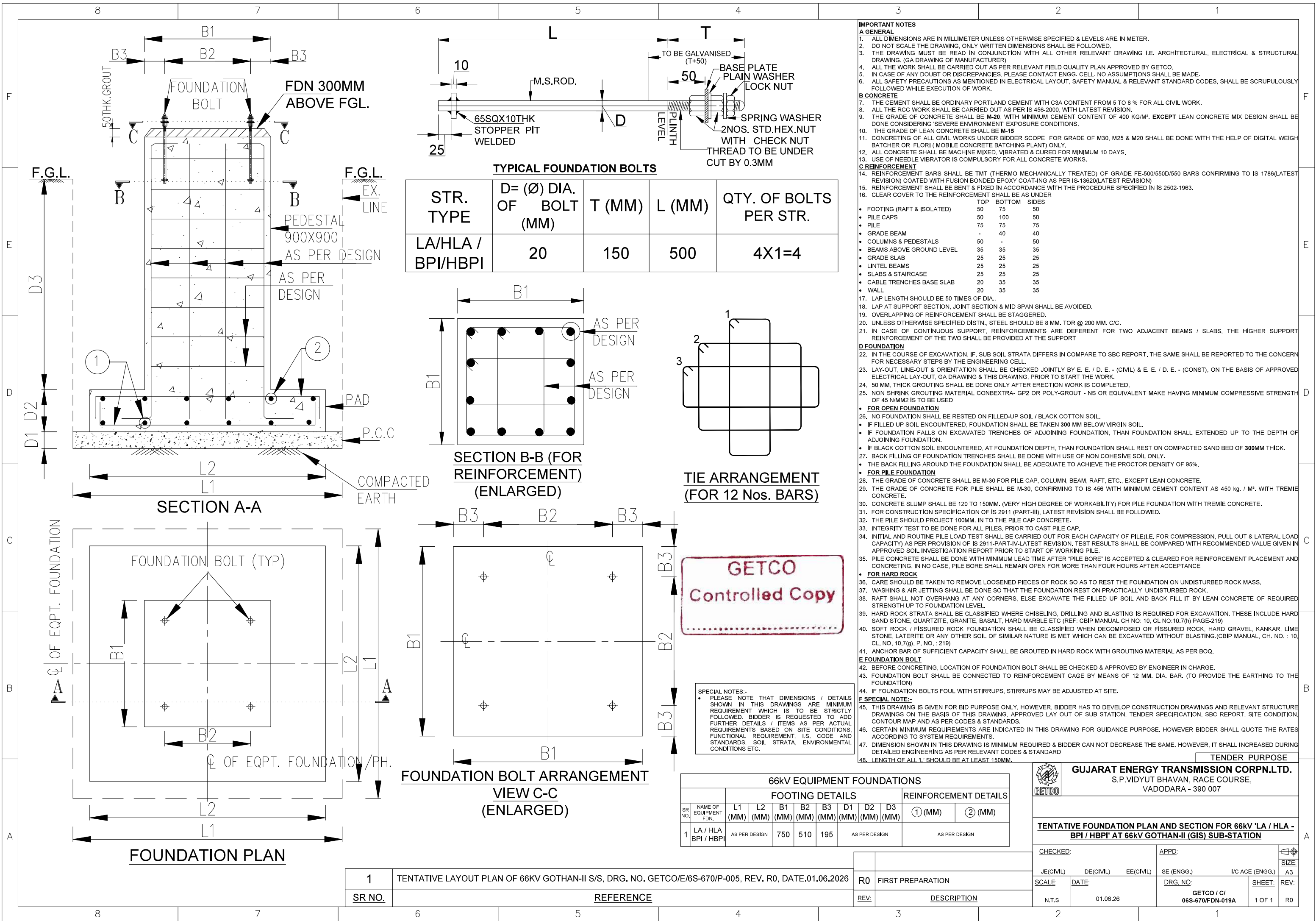
	TOP	BOTTOM	SIDES
• FOOTING (RAFT & ISOLATED)	50	75	50
• PILE CAPS	50	100	50
• PILE	75	75	75
• GRADE BEAM	-	40	40
• COLUMNS & PEDESTALS	50	-	50
• BEAMS ABOVE GROUND LEVEL	35	35	35
• GRADE SLAB	25	25	25
• LINTEL BEAMS	25	25	25
• SLABS & STAIRCASE	25	25	25
• CABLE TRENCHES BASE SLAB	20	35	35
• WALL	20	35	35

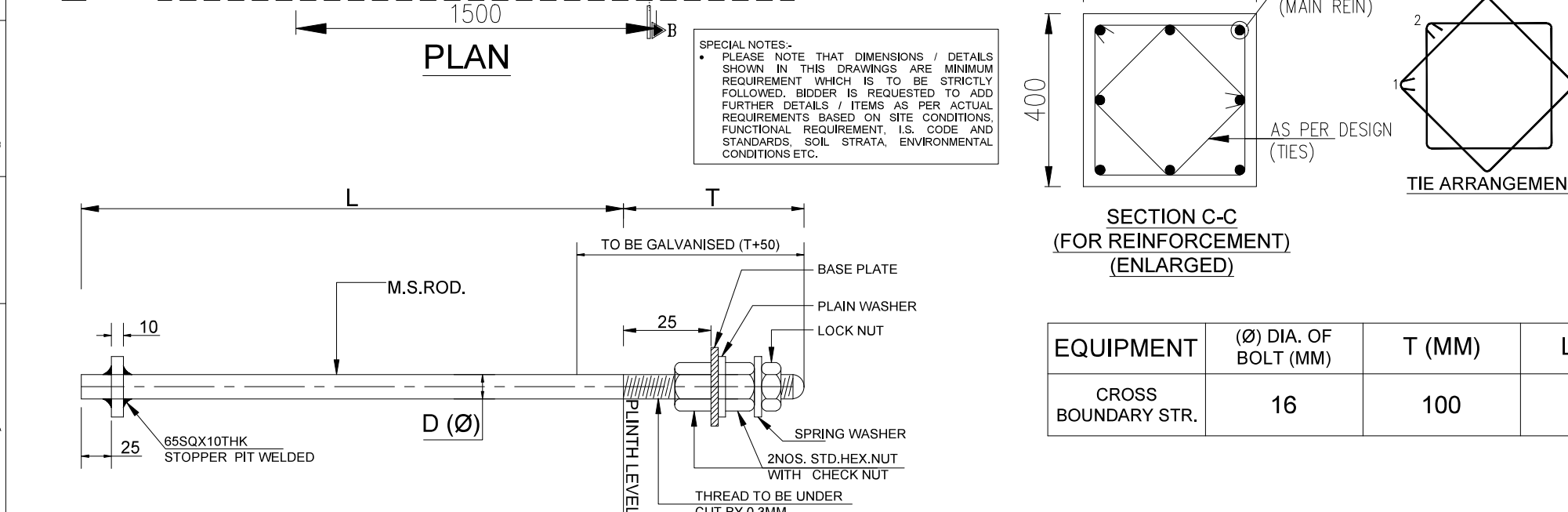
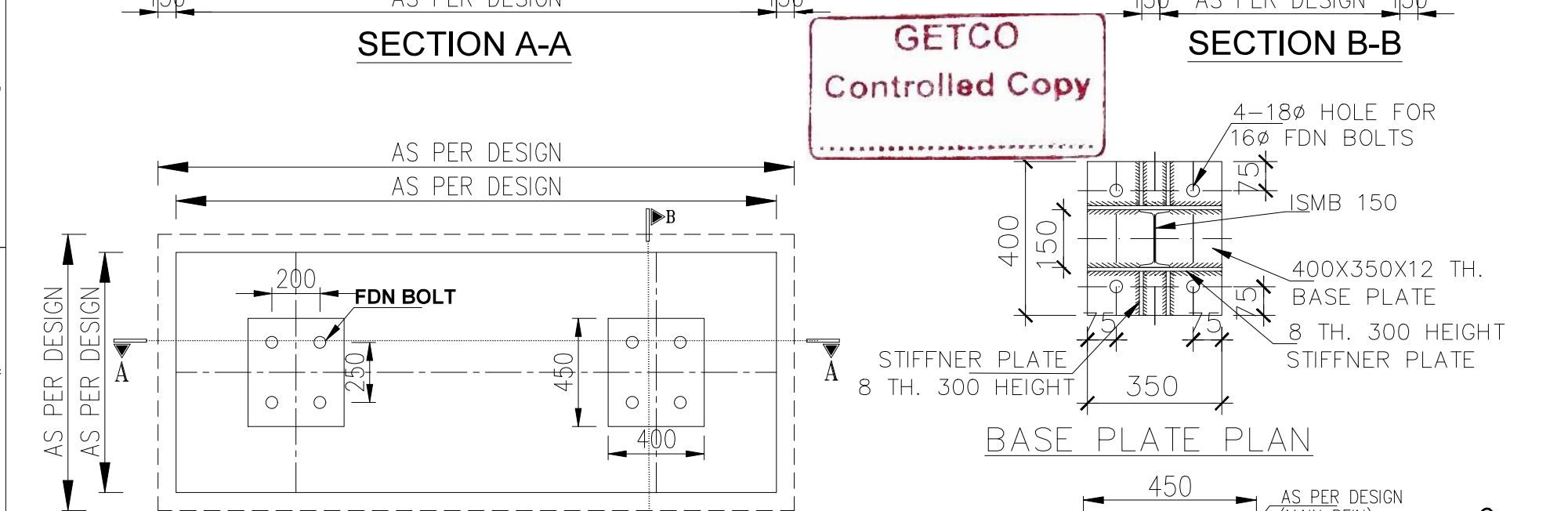
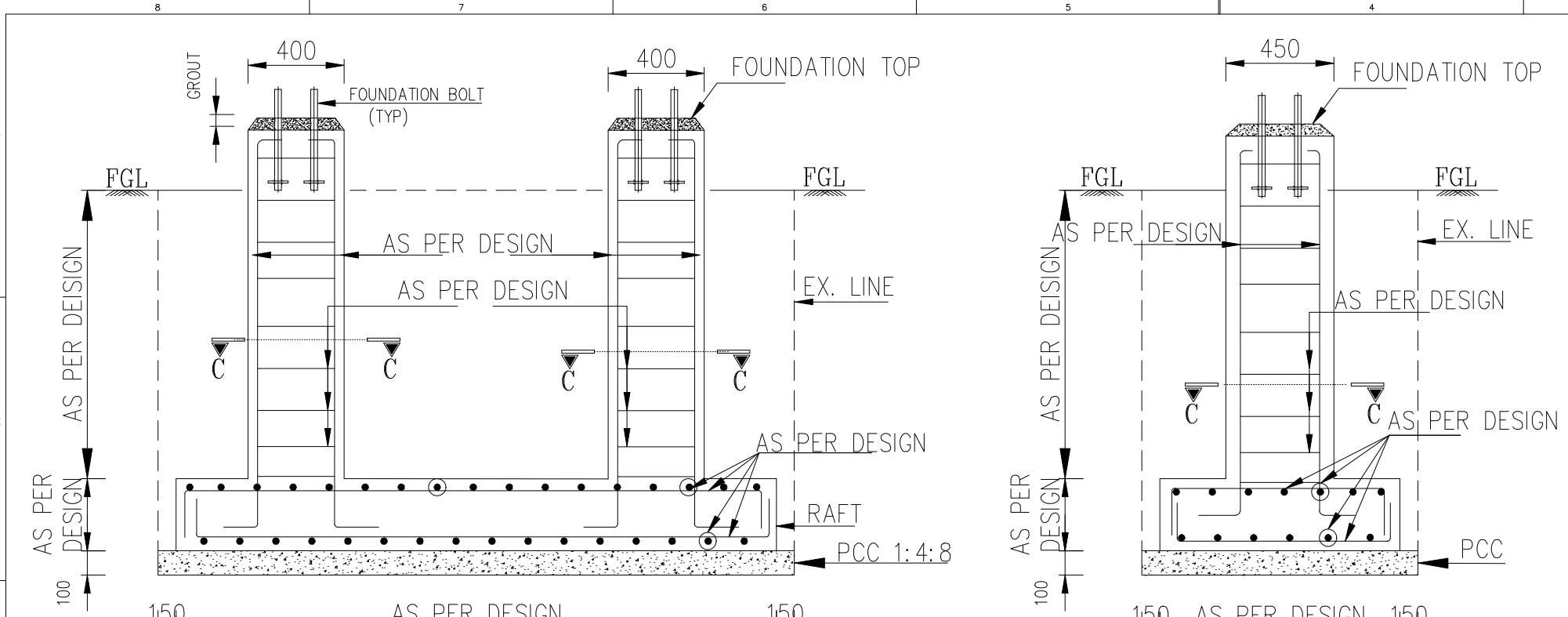
17. LAP LENGTH SHOULD BE 50 TIMES OF DIA.
18. LAP AT SUPPORT SECTION, JOINT SECTION & MID SPAN SHALL BE AVOIDED.
19. OVERLAPPING OF REINFORCEMENT SHALL BE STAGGERED.
20. UNLESS OTHERWISE SPECIFIED DISTN. STEEL SHOULD BE 8 MM, TOR @ 200 MM, C/C.
21. IN CASE OF CONTINUOUS SUPPORT, REINFORCEMENTS ARE DEFERENT FOR TWO ADJACENT BEAMS / SLABS, THE HIGHER SUPPORT REINFORCEMENT OF THE TWO SHALL BE PROVIDED AT THE SUPPORT
D FOUNDATION
22. IN THE COURSE OF EXCAVATION, IF, SUB SOIL STRATA DIFFERS IN COMPARE TO SBC REPORT, THE SAME SHALL BE REPORTED TO THE CONCERN FOR NECESSARY STEPS BY THE ENGINEERING CELL.
23. LAY-OUT, LINE-OUT & ORIENTATION SHALL BE CHECKED JOINTLY BY E. E. / D. E. - (CIVIL) & E. E. / D. E. - (CONST), ON THE BASIS OF APPROVED ELECTRICAL LAY-OUT, GA DRAWING & THIS DRAWING, PRIOR TO START THE WORK.
• **FOR OPEN FOUNDATION**
24. NO FOUNDATION SHALL BE RESTED ON FILLED-UP SOIL / BLACK COTTON SOIL.
• IF FILLED UP SOIL ENCOUNTERED, FOUNDATION SHALL BE TAKEN **400** MM BELOW VIRGIN SOIL.
• IF FOUNDATION FALLS ON EXCAVATED TRENCHES OF ADJOINING FOUNDATION, THAN FOUNDATION SHALL EXTENDED UP TO THE DEPTH OF ADJOINING FOUNDATION.
• IF BLACK COTTON SOIL ENCOUNTERED, AT FOUNDATION DEPTH, THAN FOUNDATION SHALL REST ON COMPACTED SAND BED OF **300MM** THICK.
25. BACK FILLING OF FOUNDATION TRENCHES SHALL BE DONE WITH USE OF NON COHESIVE SOIL ONLY.
• THE BACK FILLING AROUND THE FOUNDATION SHALL BE ADEQUATE TO ACHIEVE THE PROCTOR DENSITY OF 95%.
• **FOR PILE FOUNDATION**
26. THE GRADE OF CONCRETE SHALL BE M-30 FOR PILE CAP, COLUMN, BEAM, RAFT, ETC., EXCEPT LEAN CONCRETE.
27. THE GRADE OF CONCRETE FOR PILE SHALL BE M-30, CONFIRMING TO IS 456 WITH MINIMUM CEMENT CONTENT AS 450 kg. / M³, WITH TREMIE CONCRETE.
28. CONCRETE SLUMP SHALL BE 120 TO 150MM, (VERY HIGH DEGREE OF WORKABILITY) FOR PILE FOUNDATION WITH TREMIE CONCRETE.
29. FOR CONSTRUCTION SPECIFICATION OF IS 2911 (PART-III), LATEST REVISION SHALL BE FOLLOWED.
30. THE PILE SHOULD PROJECT 100MM, IN TO THE PILE CAP CONCRETE.
31. INTEGRITY TEST TO BE DONE FOR ALL PILES, PRIOR TO CAST PILE CAP.
32. INTIAL AND ROUTINE PILE LOAD TEST SHALL BE CARRIED OUT FOR EACH CAPACITY OF PILE(I.E. FOR COMPRESSION, PULL OUT & LATERAL LOAD CAPACITY) AS PER PROVISION OF IS 2911-PART-IV-LATEST REVISION. TEST RESULTS SHALL BE COMPARED WITH RECOMMENDED VALUE GIVEN IN APPROVED SOIL INVESTIGATION REPORT PRIOR TO START OF WORKING PILE.
33. PILE CONCRETE SHALL BE DONE WITH MINIMUM LEAD TIME AFTER 'PILE BORE' IS ACCEPTED & CLEARED FOR REINFORCEMENT PLACEMENT AND CONCRETING. IN NO CASE, PILE BORE SHALL REMAIN OPEN FOR MORE THAN FOUR HOURS AFTER ACCEPTANCE
• **FOR HARD ROCK**
34. CARE SHOULD BE TAKEN TO REMOVE LOOSENED PIECES OF ROCK SO AS TO REST THE FOUNDATION ON UNDISTURBED ROCK MASS.
35. WASHING & AIR JETTING SHALL BE DONE SO THAT THE FOUNDATION REST ON PRACTICALLY UNDISTURBED ROCK.
36. RAFT SHALL NOT OVERHANG AT ANY CORNERS, ELSE EXCAVATE THE FILLED UP SOIL AND BACK FILL IT BY LEAN CONCRETE OF REQUIRED STRENGTH UP TO FOUNDATION LEVEL.
37. HARD ROCK STRATA SHALL BE CLASSIFIED WHERE CHISELING, DRILLING AND BLASTING IS REQUIRED FOR EXCAVATION. THESE INCLUDE HARD SAND STONE, QUARTZITE, GRANITE, BASALT, HARD MARBLE ETC (REF: CBIP MANUAL CH NO: 10, CL NO:10.7(h) PAGE-219)
38. SOFT ROCK / FISSURED ROCK FOUNDATION SHALL BE CLASSIFIED WHEN DECOMPOSED OR FISSURED ROCK, HARD GRAVEL, KANKAR, LIME STONE, LATERITE OR ANY OTHER SOIL OF SIMILAR NATURE IS MET WHICH CAN BE EXCAVATED WITHOUT BLASTING.(CBIP MANUAL, CH. NO. : 10, CL. NO. 10.7(g), P. NO. : 219)
39. ANCHOR BAR OF SUFFICIENT CAPACITY SHALL BE GROUTED IN HARD ROCK WITH GROUTING MATERIAL AS PER BOQ.
E FOUNDATION BOLT
40. BEFORE CONCRETING, LOCATION OF FOUNDATION BOLT SHALL BE CHECKED & APPROVED BY ENGINEER IN CHARGE.
41. FOUNDATION BOLT SHALL BE CONNECTED TO REINFORCEMENT CAGE BY MEANS OF 12 MM. DIA. BAR, (TO PROVIDE THE EARTHING TO THE FOUNDATION)
42. IF FOUNDATION BOLTS FOUL WITH STIRRUPS, STIRRUPS MAY BE ADJUSTED AT SITE.
F SPECIAL NOTE:-
43. LOCATION OF COOLER BANK, FAN SUPPORT FOUNDATIONS, PULLING BLOCK ETC. NEED TO INCLUDE. IT SHALL BE DECIDED ON THE BASICS OF ACTUAL REQUIREMENT, APPROVED ECLECTIC LAYOUT, TENDER SPECIFICATION, RELEVANT STANDARD AND CODES.
44. THE RAILS SHALL BE OF PRIMARY QUALITY 60KG/M MEDIUM MANGANESE STEEL AS PER INDIAN RAILWAY SECTION T-12-196 (880 GRADE) AND ITS SUBSEQUENT REVISION.
45. ROLLER LOCKING BOLT, ACCESSORIES FOUNDATION SHALL BE PROVIDED AS PER MANUFACTURER DRAWING. IN CASE POCKETS ARE NOT AVAILABLE, THAN BOLT SHALL BE GROUTED WITH 'HILTI' OR EQUIVALENT GROUT MATERIALS.
46. THIS DRAWING IS GIVEN FOR BID PURPOSE ONLY, HOWEVER, BIDDER HAS TO DEVELOP CONSTRUCTION DRAWINGS AND RELEVANT STRUCTURE DRAWINGS ON THE BASIS OF THIS DRAWING, APPROVED LAY OUT OF SUB STATION, TENDER SPECIFICATION, SBC REPORT, SITE CONDITION, CONTOUR MAP AND AS PER CODES & STANDARDS.
47. CERTAIN MINIMUM REQUIREMENTS ARE INDICATED IN THIS DRAWING FOR GUIDANCE PURPOSE, HOWEVER BIDDER SHALL QUOTE THE RATES ACCORDING TO SYSTEM REQUIREMENTS.
48. DIMENSION SHOWN IN THIS DRAWING IS MINIMUM REQUIRED & BIDDER CAN NOT DECREASE THE SAME, HOWEVER, IT SHALL INCREASED DURING DETAILED ENGINEERING AS PER RELEVANT CODES & STANDARD
49. LENGTH OF ALL 'L' SHOULD BE AT LEAST 150MM.

SPECIAL NOTES:-
• PLEASE NOTE THAT DIMENSIONS / DETAILS SHOWN IN THIS DRAWINGS ARE MINIMUM REQUIREMENT WHICH IS TO BE STRICTLY FOLLOWED. BIDDER IS REQUESTED TO ADD FURTHER DETAILS / ITEMS AS PER ACTUAL REQUIREMENTS BASED ON SITE CONDITIONS, FUNCTIONAL REQUIREMENT, I.S. CODE AND STANDARDS, SOIL STRATA, ENVIRONMENTAL CONDITIONS ETC.



TENDER PURPOSE				
<div>GETCO</div> <div>GUJARAT ENERGY TRANSMISSION CORPN.LTD.</div> <div>S.P.VIDYUT BHAVAN, RACE COURSE,</div> <div>VADODARA - 390 007</div>				
TENTATIVE FOUNDATION PLAN & SECTION FOR 66/11kV TRANSFORMER AT 66KV GOTHAN-II (GIS) SUB-STATION				
CHECKED:			APPD:	
JE(CIVIL) DE(CIVIL) EE(CIVIL)			SE(ENGG.) I/C ACE(ENGG.)	
SCALE:		DATE:		DRG. NO:
N.T.S.		01.06.26		66-670 / FDN-019G
SR NO.		REFERENCE		SHEET: REV:
1		TENTATIVE LAYOUT PLAN OF 66KV GOTHAN-II S/S, DRG. NO. GETCO/E/6S-670/P-005, REV. R0, DATE.01.06.2026		1 OF 1 R0
		REV:		DESCRIPTION



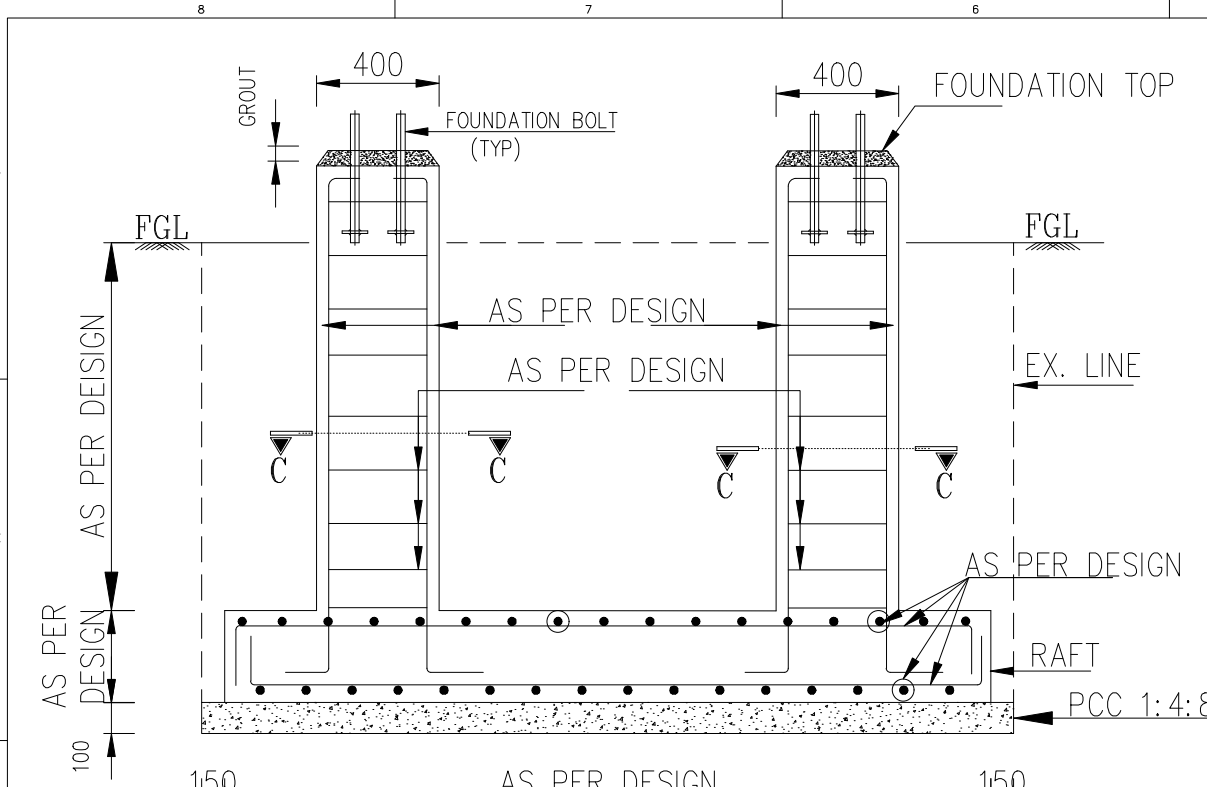


- IMPORTANT NOTES**
- A GENERAL**
- ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED & LEVELS ARE IN METER.
 - DO NOT SCALE THE DRAWING, ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 - THE DRAWING MUST BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWING I.E. ARCHITECTURAL, ELECTRICAL & STRUCTURAL DRAWING. (GA DRAWING OF MANUFACTURER)
 - ALL THE WORK SHALL BE CARRIED OUT AS PER RELEVANT FIELD QUALITY PLAN APPROVED BY GETCO.
 - IN CASE OF ANY DOUBT OR DISCREPANCIES, PLEASE CONTACT ENGG. CELL. NO ASSUMPTIONS SHALL BE MADE.
 - ALL SAFETY PRECAUTIONS AS MENTIONED IN ELECTRICAL LAYOUT, SAFETY MANUAL & RELEVANT STANDARD CODES, SHALL BE SCRUPULOUSLY FOLLOWED WHILE EXECUTION OF WORK.
- B CONCRETE**
- THE CEMENT SHALL BE ORDINARY PORTLAND CEMENT WITH C3A CONTENT FROM 5 TO 8 % FOR ALL CIVIL WORK.
 - ALL THE RCC WORK SHALL BE CARRIED OUT AS PER IS 456-2000, WITH LATEST REVISION.
 - THE GRADE OF CONCRETE SHALL BE M-20, WITH MINIMUM CEMENT CONTENT OF 400 KG/M³. EXCEPT LEAN CONCRETE MIX DESIGN SHALL BE DONE CONSIDERING 'SEVERE ENVIRONMENT' EXPOSURE CONDITIONS.
 - THE GRADE OF LEAN CONCRETE SHALL BE M-15
 - CONCRETING OF ALL CIVIL WORKS UNDER BIDDER SCOPE FOR GRADE OF M30, M25 & M20 SHALL BE DONE WITH THE HELP OF DIGITAL WEIGH BATCHER OR FLORI (MOBILE CONCRETE BATCHING PLANT) ONLY.
 - ALL CONCRETE SHALL BE MACHINE MIXED, VIBRATED & CURED FOR MINIMUM 10 DAYS.
 - USE OF NEEDLE VIBRATOR IS COMPULSORY FOR ALL CONCRETE WORKS.
- C REINFORCEMENT**
- REINFORCEMENT BARS SHALL BE TMT (THERMO MECHANICALLY TREATED) OF GRADE FE-500/550D/550 BARS CONFIRMING TO IS 1786(LATEST REVISION) COATED WITH FUSION BONDED EPOXY COATING AS PER IS-13620(LATEST REVISION)
 - REINFORCEMENT SHALL BE BENT & FIXED IN ACCORDANCE WITH THE PROCEDURE SPECIFIED IN IS 2502-1963.
 - CLEAR COVER TO THE REINFORCEMENT SHALL BE AS UNDER
- | | TOP | BOTTOM | SIDES |
|---------------------------|-----|--------|-------|
| FOOTING (RAFT & ISOLATED) | 50 | 75 | 50 |
| PILE CAPS | 50 | 100 | 50 |
| PILE | 75 | 75 | 75 |
| GRADE BEAM | - | 40 | 40 |
| COLUMNS & PEDESTALS | 50 | - | 50 |
| BEAMS ABOVE GROUND LEVEL | 35 | 35 | 35 |
| GRADE SLAB | 25 | 25 | 25 |
| LINTEL BEAMS | 25 | 25 | 25 |
| SLABS & STAIRCASE | 25 | 25 | 25 |
| CABLE TRENCHES BASE SLAB | 20 | 35 | 35 |
| WALL | 20 | 35 | 35 |
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 - OVERLAPPING OF REINFORCEMENT SHALL BE STAGGERED.
 - UNLESS OTHERWISE SPECIFIED DISTN., STEEL SHOULD BE 8 MM. TOR @ 200 MM. C/C.
 - IN CASE OF CONTINUOUS SUPPORT, REINFORCEMENTS ARE DEFERENT FOR TWO ADJACENT BEAMS / SLABS, THE HIGHER SUPPORT REINFORCEMENT OF THE TWO SHALL BE PROVIDED AT THE SUPPORT
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- IN THE COURSE OF EXCAVATION, IF, SUB SOIL STRATA DIFFERS IN COMPARE TO SBC REPORT, THE SAME SHALL BE REPORTED TO THE CONCERN FOR NECESSARY STEPS BY THE ENGINEERING CELL.
 - LAY-OUT, LINE-OUT & ORIENTATION SHALL BE CHECKED JOINTLY BY E. E. / D. E. - (CIVIL) & E. E. / D. E. - (CONST), ON THE BASIS OF APPROVED ELECTRICAL LAY-OUT, GA DRAWING & THIS DRAWING, PRIOR TO START THE WORK.
 - 50 MM. THICK GROUTING SHALL BE DONE ONLY AFTER ERECTION WORK IS COMPLETED.
 - NON SHRINK GROUTING MATERIAL CONBEXTRA- GP2 OR POLY-GROUT - NS OR EQUIVALENT MAKE HAVING MINIMUM COMPRESSIVE STRENGTH OF 45 N/MM² IS TO BE USED
- FOR OPEN FOUNDATION**
- NO FOUNDATION SHALL BE RESTED ON FILLED-UP SOIL / BLACK COTTON SOIL.
 - IF FILLED UP SOIL ENCOUNTERED, FOUNDATION SHALL BE TAKEN 300 MM BELOW VIRGIN SOIL.
 - IF FOUNDATION FALLS ON EXCAVATED TRENCHES OF ADJOINING FOUNDATION, THAN FOUNDATION SHALL EXTENDED UP TO THE DEPTH OF ADJOINING FOUNDATION.
 - IF BLACK COTTON SOIL ENCOUNTERED, AT FOUNDATION DEPTH, THAN FOUNDATION SHALL REST ON COMPACTED SAND BED OF 300MM THICK.
 - BACK FILLING OF FOUNDATION TRENCHES SHALL BE DONE WITH USE OF NON COHESIVE SOIL ONLY.
 - THE BACK FILLING AROUND THE FOUNDATION SHALL BE ADEQUATE TO ACHIEVE THE PROCTOR DENSITY OF 95%.
- FOR PILE FOUNDATION**
- THE GRADE OF CONCRETE SHALL BE M-30 FOR PILE CAP, COLUMN, BEAM, RAFT, ETC., EXCEPT LEAN CONCRETE.
 - THE GRADE OF CONCRETE FOR PILE SHALL BE M-30, CONFIRMING TO IS 456 WITH MINIMUM CEMENT CONTENT AS 450 kg. / M³. WITH TREMIE CONCRETE.
 - CONCRETE SLUMP SHALL BE 120 TO 150MM. (VERY HIGH DEGREE OF WORKABILITY) FOR PILE FOUNDATION WITH TREMIE CONCRETE.
 - FOR CONSTRUCTION SPECIFICATION OF IS 2911 (PART-III), LATEST REVISION SHALL BE FOLLOWED.
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 - FOUNDATION BOLT SHALL BE CONNECTED TO REINFORCEMENT CAGE BY MEANS OF 12 MM. DIA. BAR, (TO PROVIDE THE EARTHING TO THE FOUNDATION)
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 - CERTAIN MINIMUM REQUIREMENTS ARE INDICATED IN THIS DRAWING FOR GUIDANCE PURPOSE. HOWEVER BIDDER SHALL QUOTE THE RATES ACCORDING TO SYSTEM REQUIREMENTS.
 - DIMENSION SHOWN IN THIS DRAWING IS MINIMUM REQUIRED & BIDDER CAN NOT DECREASE THE SAME. HOWEVER, IT SHALL INCREASED DURING DETAILED ENGINEERING AS PER RELEVANT CODES & STANDARD
 - LENGTH OF ALL 'L' SHOULD BE AT LEAST 150MM.

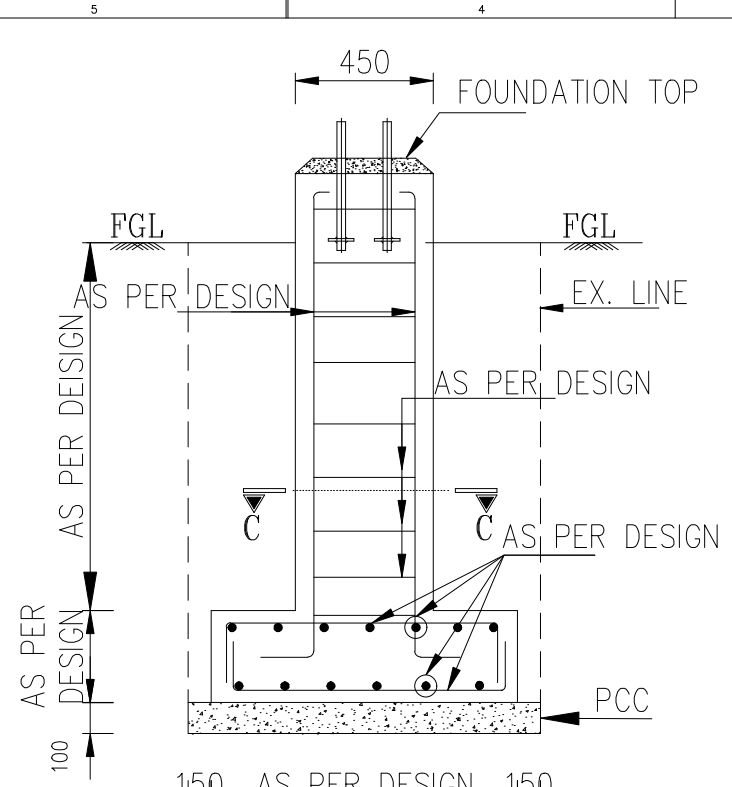
EQUIPMENT	(Ø) DIA. OF BOLT (MM)	T (MM)	L (MM)	QTY. OF BOLTS PER STR.
CROSS BOUNDARY STR.	16	100	550	4X2=8

1	TENTATIVE LAYOUT PLAN OF 66KV GOTHAN-II S/S, DRG. NO. GETCO/E/6S-670/P-005, REV. R0, DATE.01.06.2026	R0	FIRST PREPARATION
SR NO.	REFERENCE	REV.	DESCRIPTION

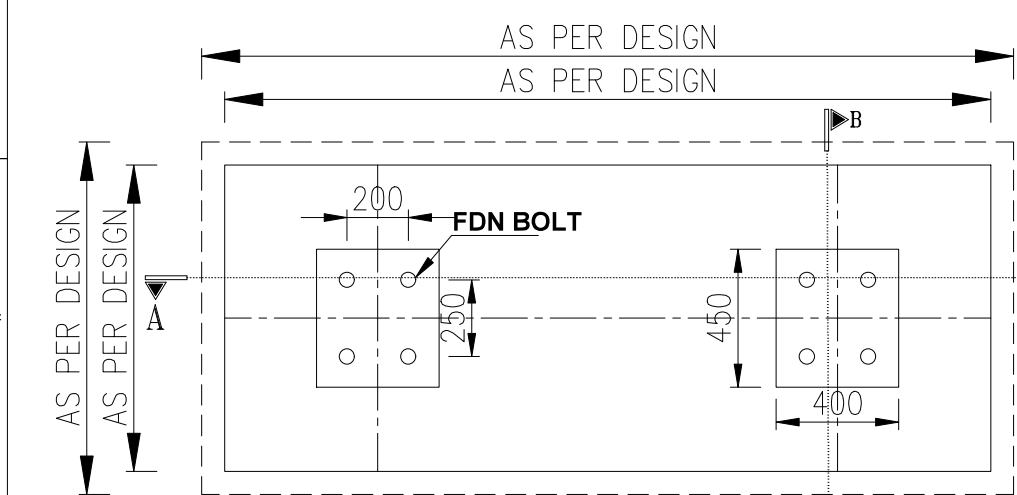
TENDER PURPOSE			
GUJARAT ENERGY TRANSMISSION CORPN.LTD. S.P.VIDYUT BHAVAN, RACE COURSE, VADODARA - 390 007			
TENTATIVE FOUNDATION PLAN & SECTION FOR 11KV DP STRUCTURE (FOR CROSS BOUNDARY PROTECTION) AT 66KV GOTHAN-II (GIS) SUB-STATION			
CHECKED:	APPD:	SIZE: A3	
JE(CIVIL)	DE(CIVIL)	EE(CIVIL)	SE (ENGG.) I/C ACE (ENGG.)
SCALE:	DATE:	DRG. NO:	SHEET: REV:
N.T.S	01.06.26	GETCO / C/ 6S-670/FDN-019C	1 OF 1 R0



SECTION A-A

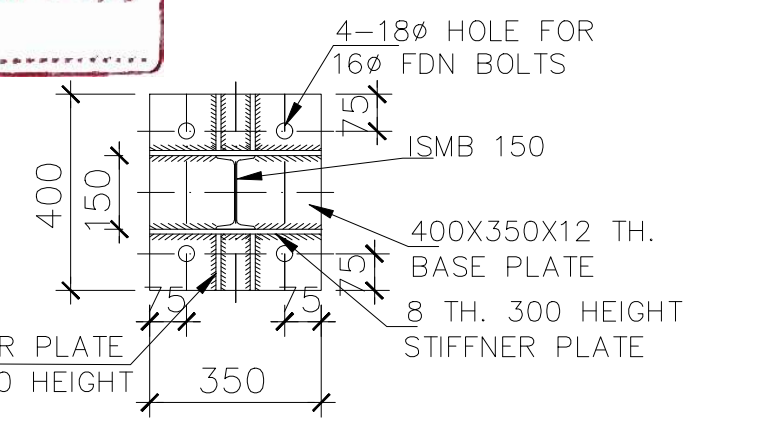


SECTION B-B

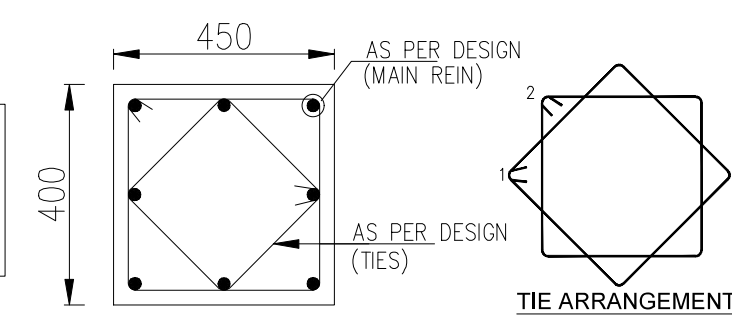


PLAN

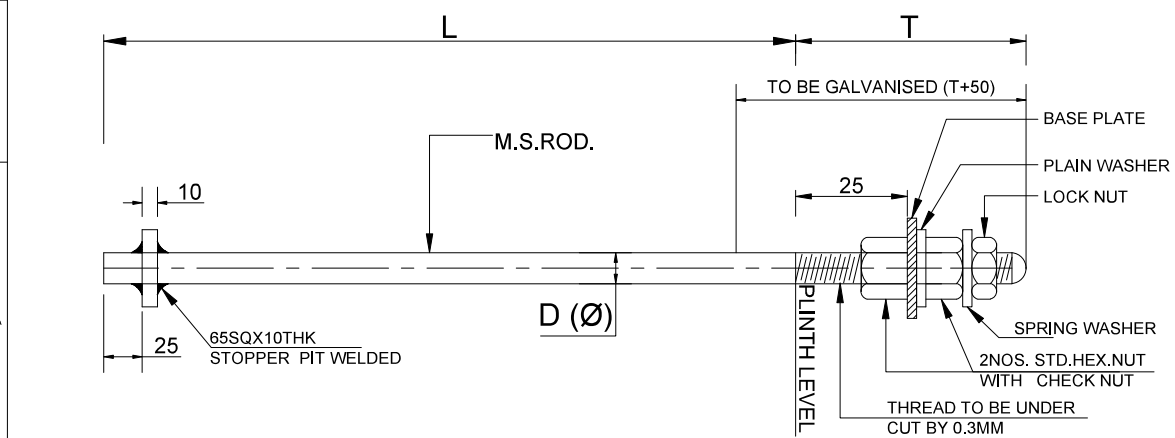
GETCO
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BASE PLATE PLAN



SECTION C-C
(FOR REINFORCEMENT)
(ENLARGED)



TYPICAL FOUNDATION BOLTS

- IMPORTANT NOTES**
- A GENERAL**
- ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED & LEVELS ARE IN METER.
 - DO NOT SCALE THE DRAWING, ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
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- THE CEMENT SHALL BE ORDINARY PORTLAND CEMENT WITH C3A CONTENT FROM 5 TO 8 % FOR ALL CIVIL WORK.
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 - THE GRADE OF CONCRETE SHALL BE M-20, WITH MINIMUM CEMENT CONTENT OF 400 KG/M³. EXCEPT LEAN CONCRETE MIX DESIGN SHALL BE DONE CONSIDERING 'SEVERE ENVIRONMENT' EXPOSURE CONDITIONS.
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 - CLEAR COVER TO THE REINFORCEMENT SHALL BE AS UNDER
- | | TOP | BOTTOM | SIDES |
|-----------------------------|-----|--------|-------|
| • FOOTING (RAFT & ISOLATED) | 50 | 75 | 50 |
| • PILE CAPS | 50 | 100 | 50 |
| • PILE | 75 | 75 | 75 |
| • GRADE BEAM | - | 40 | 40 |
| • COLUMNS & PEDESTALS | 50 | - | 50 |
| • BEAMS ABOVE GROUND LEVEL | 35 | 35 | 35 |
| • GRADE SLAB | 25 | 25 | 25 |
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 - RAFT SHALL NOT OVERHANG AT ANY CORNERS, ELSE EXCAVATE THE FILLED UP SOIL AND BACK FILL IT BY LEAN CONCRETE OF REQUIRED STRENGTH UP TO FOUNDATION LEVEL.
 - HARD ROCK STRATA SHALL BE CLASSIFIED WHERE CHISELING, DRILLING AND BLASTING IS REQUIRED FOR EXCAVATION. THESE INCLUDE HARD SAND STONE, QUARTZITE, GRANITE, BASALT, HARD MARBLE ETC (REF: CBIP MANUAL CH NO: 10, CL NO:10.7(h) PAGE-219)
 - SOFT ROCK / FISSURED ROCK FOUNDATION SHALL BE CLASSIFIED WHEN DECOMPOSED OR FISSURED ROCK, HARD GRAVEL, KANKAR, LIME STONE, LATERITE OR ANY OTHER SOIL OF SIMILAR NATURE IS MET WHICH CAN BE EXCAVATED WITHOUT BLASTING.(CBIP MANUAL, CH. NO. : 10, CL. NO. 10.7(g), P. NO. : 219)
 - ANCHOR BAR OF SUFFICIENT CAPACITY SHALL BE GROUTED IN HARD ROCK WITH GROUTING MATERIAL AS PER BOQ.
- E FOUNDATION BOLT**
- BEFORE CONCRETING, LOCATION OF FOUNDATION BOLT SHALL BE CHECKED & APPROVED BY ENGINEER IN CHARGE.
 - FOUNDATION BOLT SHALL BE CONNECTED TO REINFORCEMENT CAGE BY MEANS OF 12 MM. DIA. BAR, (TO PROVIDE THE EARTHING TO THE FOUNDATION)
 - IF FOUNDATION BOLTS FOUL WITH STIRRUPS, STIRRUPS MAY BE ADJUSTED AT SITE.
- F SPECIAL NOTE:-**
- THIS DRAWING IS GIVEN FOR BID PURPOSE ONLY. HOWEVER, BIDDER HAS TO DEVELOP CONSTRUCTION DRAWINGS AND RELEVANT STRUCTURE DRAWINGS ON THE BASIS OF THIS DRAWING, APPROVED LAY OUT OF SUB STATION, TENDER SPECIFICATION, SBC REPORT, SITE CONDITION, CONTOUR MAP AND AS PER CODES & STANDARDS.
 - CERTAIN MINIMUM REQUIREMENTS ARE INDICATED IN THIS DRAWING FOR GUIDANCE PURPOSE. HOWEVER BIDDER SHALL QUOTE THE RATES ACCORDING TO SYSTEM REQUIREMENTS.
 - DIMENSION SHOWN IN THIS DRAWING IS MINIMUM REQUIRED & BIDDER CAN NOT DECREASE THE SAME. HOWEVER, IT SHALL INCREASED DURING DETAILED ENGINEERING AS PER RELEVANT CODES & STANDARD
 - LENGTH OF ALL 'L' SHOULD BE AT LEAST 150MM.

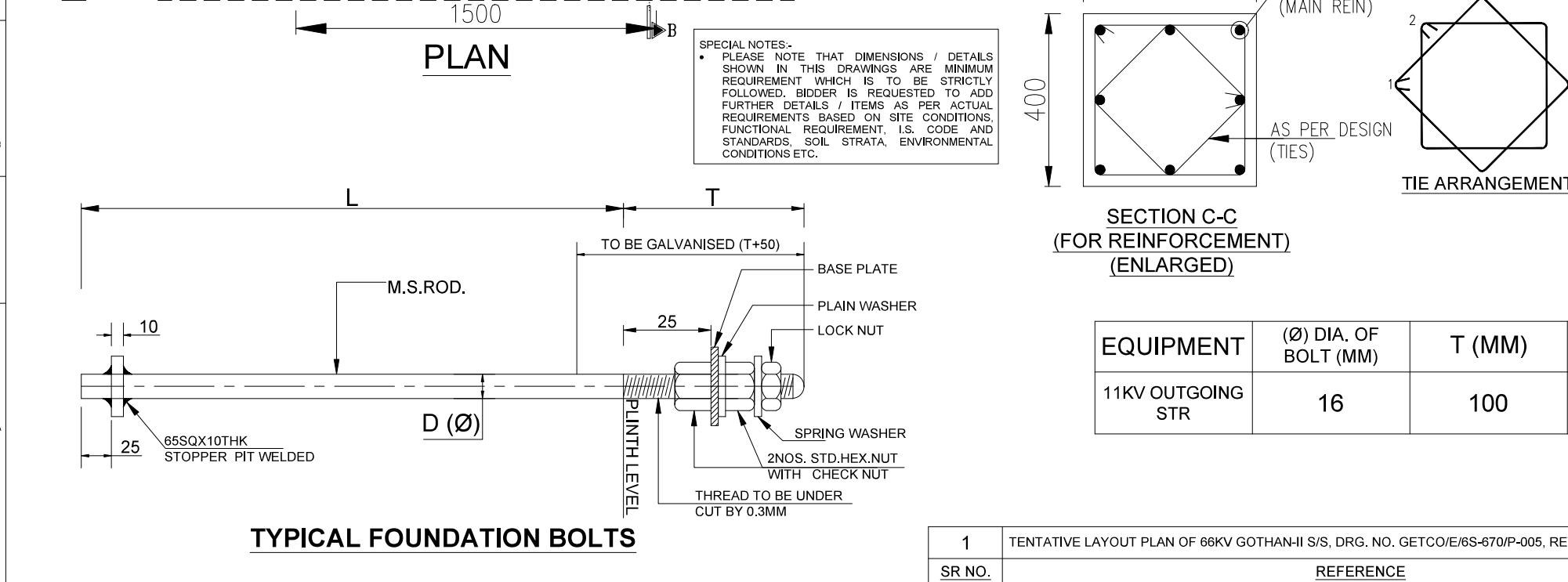
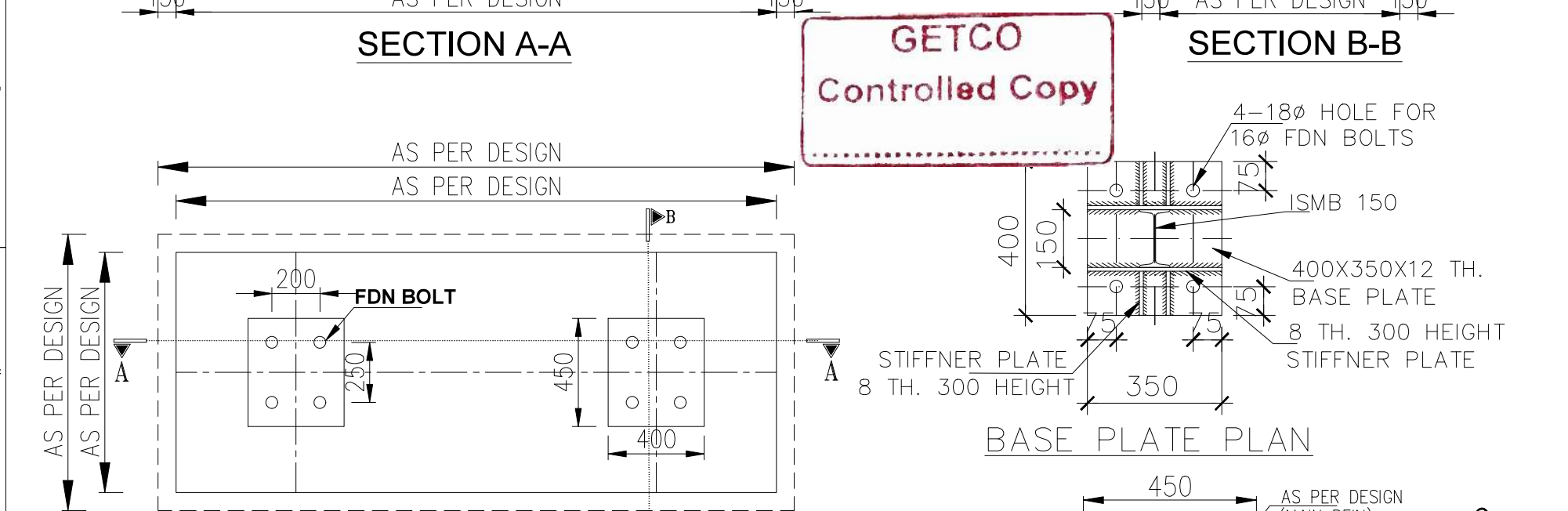
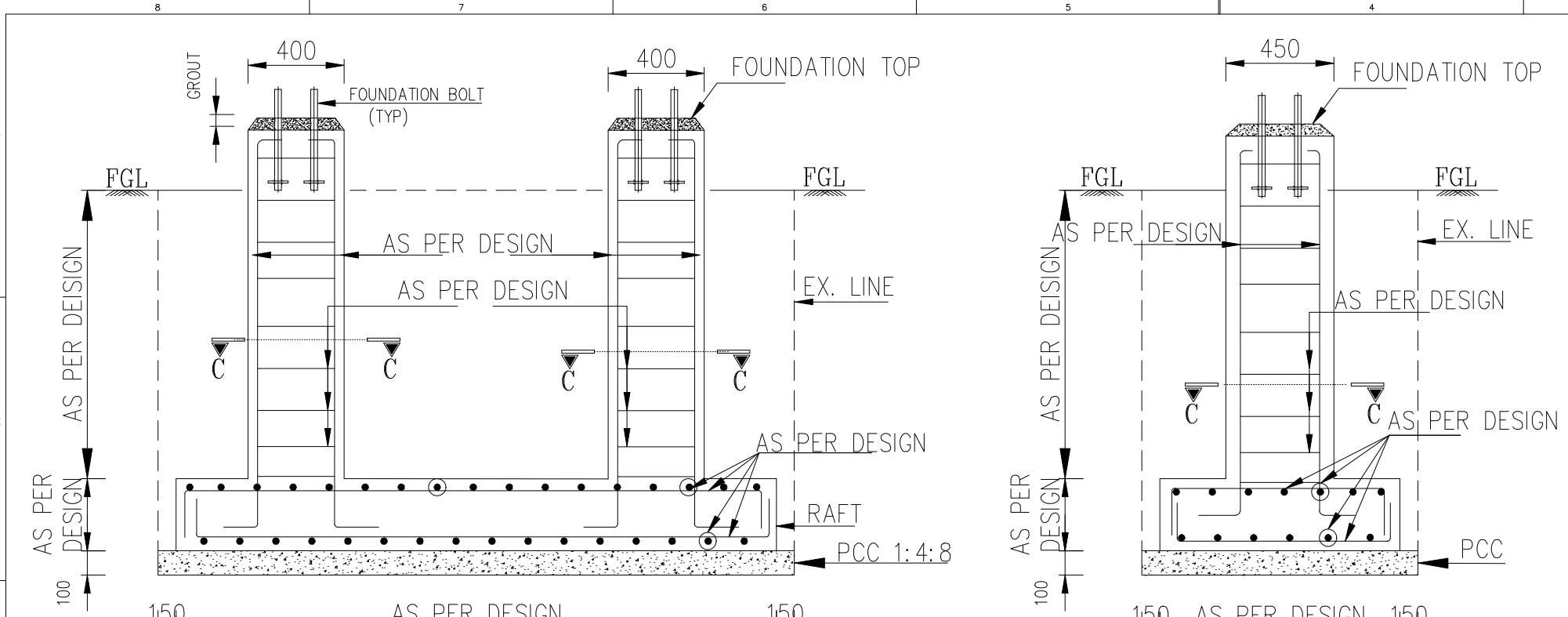
EQUIPMENT	(Ø) DIA. OF BOLT (MM)	T (MM)	L (MM)	QTY. OF BOLTS PER STR.
STR FOR 500KVA TRANS.	16	100	550	4X2=8

1	TENTATIVE LAYOUT PLAN OF 66KV GOTHAN-II S/S, DRG. NO. GETCO/E/6S-670/P-005, REV. R0, DATE.01.06.2026	R0	FIRST PREPARATION
SR NO.	REFERENCE	REV.	DESCRIPTION

GUJARAT ENERGY TRANSMISSION CORPN.LTD.
S.P.VIDYUT BHAVAN, RACE COURSE,
VADODARA - 390 007

TENTATIVE FOUNDATION PLAN & SECTION FOR 11KV/415V DISTRIBUTION TRANSFORMER AT 66KV GOTHAN-II (GIS) SUB-STATION

CHECKED:	APPD:	SIZE: A3
JE(CIVIL)	DE(CIVIL)	EE(CIVIL)
SCALE:	DATE:	DRG. NO:
N.T.S	01.06.26	GETCO / C/ 6S-670/FDN-019B
SHEET: 1 OF 1	REV: R0	



- IMPORTANT NOTES**
- A GENERAL**
- ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED & LEVELS ARE IN METER.
 - DO NOT SCALE THE DRAWING, ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 - THE DRAWING MUST BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWING I.E. ARCHITECTURAL, ELECTRICAL & STRUCTURAL DRAWING. (GA DRAWING OF MANUFACTURER)
 - ALL THE WORK SHALL BE CARRIED OUT AS PER RELEVANT FIELD QUALITY PLAN APPROVED BY GETCO.
 - IN CASE OF ANY DOUBT OR DISCREPANCIES, PLEASE CONTACT ENGG. CELL. NO ASSUMPTIONS SHALL BE MADE.
 - ALL SAFETY PRECAUTIONS AS MENTIONED IN ELECTRICAL LAYOUT, SAFETY MANUAL & RELEVANT STANDARD CODES, SHALL BE SCRUPULOUSLY FOLLOWED WHILE EXECUTION OF WORK.
- B CONCRETE**
- THE CEMENT SHALL BE ORDINARY PORTLAND CEMENT WITH C3A CONTENT FROM 5 TO 8 % FOR ALL CIVIL WORK.
 - ALL THE RCC WORK SHALL BE CARRIED OUT AS PER IS 456-2000, WITH LATEST REVISION.
 - THE GRADE OF CONCRETE SHALL BE M-20, WITH MINIMUM CEMENT CONTENT OF 400 KG/M³. EXCEPT LEAN CONCRETE MIX DESIGN SHALL BE DONE CONSIDERING 'SEVERE ENVIRONMENT' EXPOSURE CONDITIONS.
 - THE GRADE OF LEAN CONCRETE SHALL BE M-15
 - CONCRETING OF ALL CIVIL WORKS UNDER BIDDER SCOPE FOR GRADE OF M30, M25 & M20 SHALL BE DONE WITH THE HELP OF DIGITAL WEIGH BATCHER OR FLORI (MOBILE CONCRETE BATCHING PLANT) ONLY.
 - ALL CONCRETE SHALL BE MACHINE MIXED, VIBRATED & CURED FOR MINIMUM 10 DAYS.
 - USE OF NEEDLE VIBRATOR IS COMPULSORY FOR ALL CONCRETE WORKS.
- C REINFORCEMENT**
- REINFORCEMENT BARS SHALL BE TMT (THERMO MECHANICALLY TREATED) OF GRADE FE-500/550D/550 BARS CONFIRMING TO IS 1786(LATEST REVISION) COATED WITH FUSION BONDED EPOXY COATING AS PER IS-13620(LATEST REVISION)
 - REINFORCEMENT SHALL BE BENT & FIXED IN ACCORDANCE WITH THE PROCEDURE SPECIFIED IN IS 2502-1963.
 - CLEAR COVER TO THE REINFORCEMENT SHALL BE AS UNDER
- | | TOP | BOTTOM | SIDES |
|-----------------------------|-----|--------|-------|
| • FOOTING (RAFT & ISOLATED) | 50 | 75 | 50 |
| • PILE CAPS | 50 | 100 | 50 |
| • PILE | 75 | 75 | 75 |
| • GRADE BEAM | - | 40 | 40 |
| • COLUMNS & PEDESTALS | 50 | - | 50 |
| • BEAMS ABOVE GROUND LEVEL | 35 | 35 | 35 |
| • GRADE SLAB | 25 | 25 | 25 |
| • LINTEL BEAMS | 25 | 25 | 25 |
| • SLABS & STAIRCASE | 25 | 25 | 25 |
| • CABLE TRENCHES BASE SLAB | 20 | 35 | 35 |
| • WALL | 20 | 35 | 35 |
- LAP LENGTH SHOULD BE 50 TIMES OF DIA..
 - LAP AT SUPPORT SECTION, JOINT SECTION & MID SPAN SHALL BE AVOIDED.
 - OVERLAPPING OF REINFORCEMENT SHALL BE STAGGERED.
 - UNLESS OTHERWISE SPECIFIED DISTN., STEEL SHOULD BE 8 MM. TOR @ 200 MM. C/C.
 - IN CASE OF CONTINUOUS SUPPORT, REINFORCEMENTS ARE DEFERENT FOR TWO ADJACENT BEAMS / SLABS, THE HIGHER SUPPORT REINFORCEMENT OF THE TWO SHALL BE PROVIDED AT THE SUPPORT
- D FOUNDATION**
- IN THE COURSE OF EXCAVATION, IF, SUB SOIL STRATA DIFFERS IN COMPARE TO SBC REPORT, THE SAME SHALL BE REPORTED TO THE CONCERN FOR NECESSARY STEPS BY THE ENGINEERING CELL.
 - LAY-OUT, LINE-OUT & ORIENTATION SHALL BE CHECKED JOINTLY BY E. E. / D. E. - (CIVIL) & E. E. / D. E. - (CONST), ON THE BASIS OF APPROVED ELECTRICAL LAY-OUT, GA DRAWING & THIS DRAWING, PRIOR TO START THE WORK.
 - 50 MM. THICK GROUTING SHALL BE DONE ONLY AFTER ERECTION WORK IS COMPLETED.
 - NON SHRINK GROUTING MATERIAL CONBEXTRA- GP2 OR POLY-GROUT - NS OR EQUIVALENT MAKE HAVING MINIMUM COMPRESSIVE STRENGTH OF 45 N/MM² IS TO BE USED
- FOR OPEN FOUNDATION**
- NO FOUNDATION SHALL BE RESTED ON FILLED-UP SOIL / BLACK COTTON SOIL.
 - IF FILLED UP SOIL ENCOUNTERED, FOUNDATION SHALL BE TAKEN 300 MM BELOW VIRGIN SOIL.
 - IF FOUNDATION FALLS ON EXCAVATED TRENCHES OF ADJOINING FOUNDATION, THAN FOUNDATION SHALL EXTENDED UP TO THE DEPTH OF ADJOINING FOUNDATION.
 - IF BLACK COTTON SOIL ENCOUNTERED, AT FOUNDATION DEPTH, THAN FOUNDATION SHALL REST ON COMPACTED SAND BED OF 300MM THICK.
 - BACK FILLING OF FOUNDATION TRENCHES SHALL BE DONE WITH USE OF NON COHESIVE SOIL ONLY.
 - THE BACK FILLING AROUND THE FOUNDATION SHALL BE ADEQUATE TO ACHIEVE THE PROCTOR DENSITY OF 95%.
- FOR PILE FOUNDATION**
- THE GRADE OF CONCRETE SHALL BE M-30 FOR PILE CAP, COLUMN, BEAM, RAFT, ETC., EXCEPT LEAN CONCRETE.
 - THE GRADE OF CONCRETE FOR PILE SHALL BE M-30, CONFIRMING TO IS 456 WITH MINIMUM CEMENT CONTENT AS 450 kg. / M³. WITH TREMIE CONCRETE.
 - CONCRETE SLUMP SHALL BE 120 TO 150MM. (VERY HIGH DEGREE OF WORKABILITY) FOR PILE FOUNDATION WITH TREMIE CONCRETE.
 - FOR CONSTRUCTION SPECIFICATION OF IS 2911 (PART-III), LATEST REVISION SHALL BE FOLLOWED.
 - THE PILE SHOULD PROJECT 100MM. IN TO THE PILE CAP CONCRETE.
 - INTEGRITY TEST TO BE DONE FOR ALL PILES, PRIOR TO CAST PILE CAP.
 - INITIAL AND ROUTINE PILE LOAD TEST SHALL BE CARRIED OUT FOR EACH CAPACITY OF PILE(I.E. FOR COMPRESSION, PULL OUT & LATERAL LOAD CAPACITY) AS PER PROVISION OF IS 2911-PART-IV-LATEST REVISION, TEST RESULTS SHALL BE COMPARED WITH RECOMMENDED VALUE GIVEN IN APPROVED SOIL INVESTIGATION REPORT PRIOR TO START OF WORKING PILE.
 - PILE CONCRETE SHALL BE DONE WITH MINIMUM LEAD TIME AFTER 'PILE BORE' IS ACCEPTED & CLEARED FOR REINFORCEMENT PLACEMENT AND CONCRETING. IN NO CASE, PILE BORE SHALL REMAIN OPEN FOR MORE THAN FOUR HOURS AFTER ACCEPTANCE
- FOR HARD ROCK**
- CARE SHOULD BE TAKEN TO REMOVE LOOSENED PIECES OF ROCK SO AS TO REST THE FOUNDATION ON UNDISTURBED ROCK MASS.
 - WASHING & AIR JETTING SHALL BE DONE SO THAT THE FOUNDATION REST ON PRACTICALLY UNDISTURBED ROCK.
 - RAFT SHALL NOT OVERHANG AT ANY CORNERS, ELSE EXCAVATE THE FILLED UP SOIL AND BACK FILL IT BY LEAN CONCRETE OF REQUIRED STRENGTH UP TO FOUNDATION LEVEL.
 - HARD ROCK STRATA SHALL BE CLASSIFIED WHERE CHISELING, DRILLING AND BLASTING IS REQUIRED FOR EXCAVATION. THESE INCLUDE HARD SAND STONE, QUARTZITE, GRANITE, BASALT, HARD MARBLE ETC (REF: CBIP MANUAL CH NO: 10, CL NO:10.7(h) PAGE-219)
 - SOFT ROCK / FISSURED ROCK FOUNDATION SHALL BE CLASSIFIED WHEN DECOMPOSED OR FISSURED ROCK, HARD GRAVEL, KANKAR, LIME STONE, LATERITE OR ANY OTHER SOIL OF SIMILAR NATURE IS MET WHICH CAN BE EXCAVATED WITHOUT BLASTING.(CBIP MANUAL, CH. NO. : 10, CL. NO. 10.7(g), P. NO. : 219)
 - ANCHOR BAR OF SUFFICIENT CAPACITY SHALL BE GROUTED IN HARD ROCK WITH GROUTING MATERIAL AS PER BOQ.
- E FOUNDATION BOLT**
- BEFORE CONCRETING, LOCATION OF FOUNDATION BOLT SHALL BE CHECKED & APPROVED BY ENGINEER IN CHARGE.
 - FOUNDATION BOLT SHALL BE CONNECTED TO REINFORCEMENT CAGE BY MEANS OF 12 MM. DIA. BAR, (TO PROVIDE THE EARTHING TO THE FOUNDATION)
 - IF FOUNDATION BOLTS FOUL WITH STIRRUPS, STIRRUPS MAY BE ADJUSTED AT SITE.
- F SPECIAL NOTE:-**
- THIS DRAWING IS GIVEN FOR BID PURPOSE ONLY. HOWEVER, BIDDER HAS TO DEVELOP CONSTRUCTION DRAWINGS AND RELEVANT STRUCTURE DRAWINGS ON THE BASIS OF THIS DRAWING, APPROVED LAY OUT OF SUB STATION, TENDER SPECIFICATION, SBC REPORT, SITE CONDITION, CONTOUR MAP AND AS PER CODES & STANDARDS.
 - CERTAIN MINIMUM REQUIREMENTS ARE INDICATED IN THIS DRAWING FOR GUIDANCE PURPOSE. HOWEVER BIDDER SHALL QUOTE THE RATES ACCORDING TO SYSTEM REQUIREMENTS.
 - DIMENSION SHOWN IN THIS DRAWING IS MINIMUM REQUIRED & BIDDER CAN NOT DECREASE THE SAME. HOWEVER, IT SHALL INCREASED DURING DETAILED ENGINEERING AS PER RELEVANT CODES & STANDARD
 - LENGTH OF ALL 'L' SHOULD BE AT LEAST 150MM.

EQUIPMENT	(Ø) DIA. OF BOLT (MM)	T (MM)	L (MM)	QTY. OF BOLTS PER STR.
11KV OUTGOING STR	16	100	550	4X2=8

1	TENTATIVE LAYOUT PLAN OF 66KV GOTHAN-II S/S, DRG. NO. GETCO/E/6S-670/P-005, REV. R0, DATE.01.06.2026	R0	FIRST PREPARATION
SR NO.	REFERENCE	REV.	DESCRIPTION

GUJARAT ENERGY TRANSMISSION CORPN.LTD.
S.P.VIDYUT BHAVAN, RACE COURSE,
VADODARA - 390 007

CHECKED:

JE(CIVIL)

DE(CIVIL)

EE(CIVIL)

SCALE:

N.T.S

APPD:

SE (ENGG.)

I/C ACE (ENGG.)

DATE:

01.06.26

SIZE:

A3

DRG. NO:

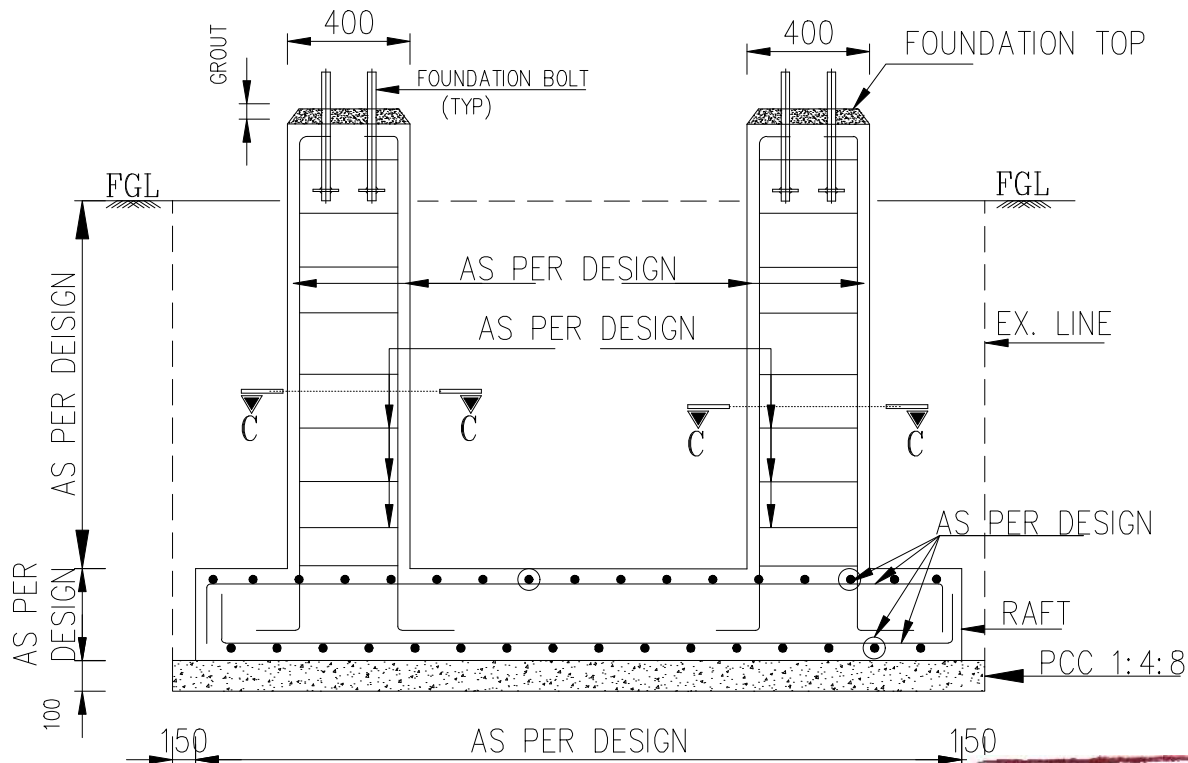
GETCO / C/
6S-670/FDN-019A

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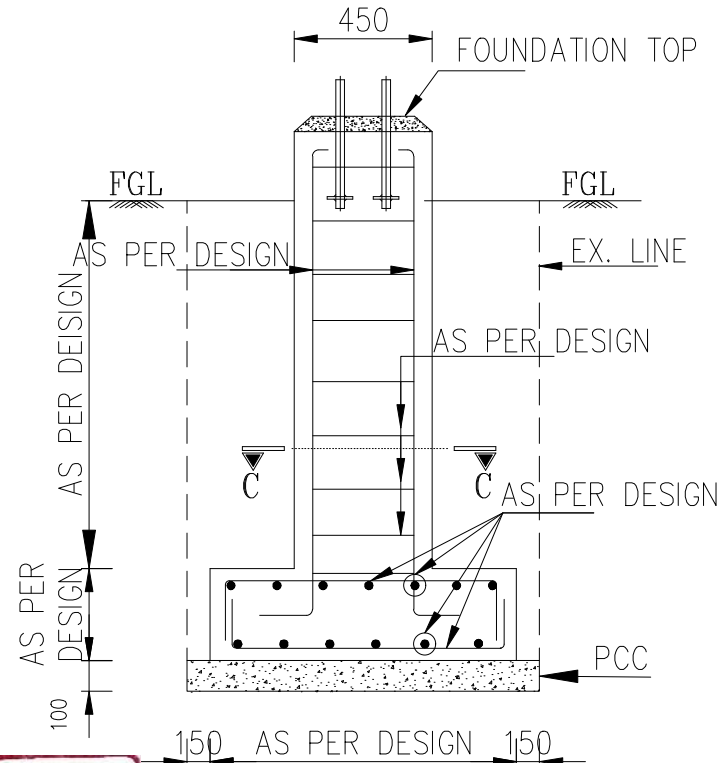
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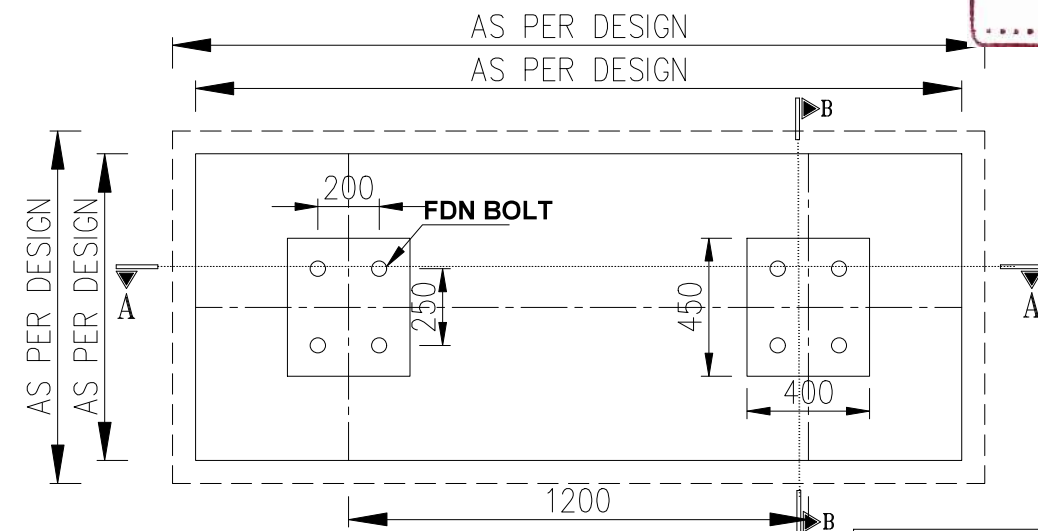
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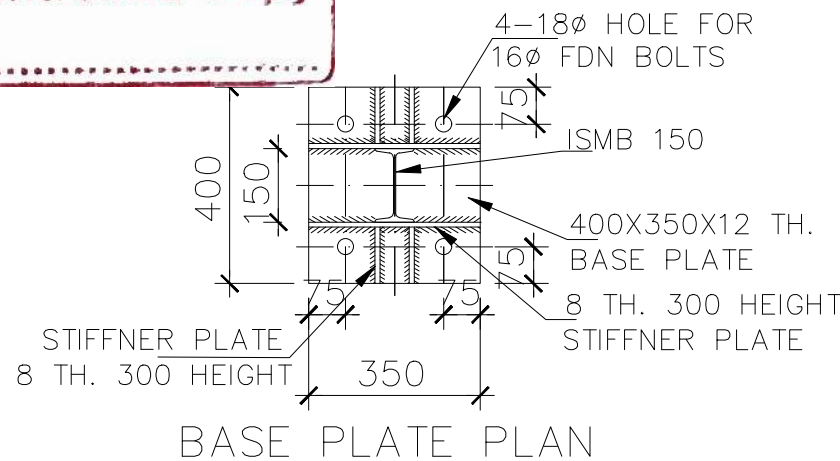
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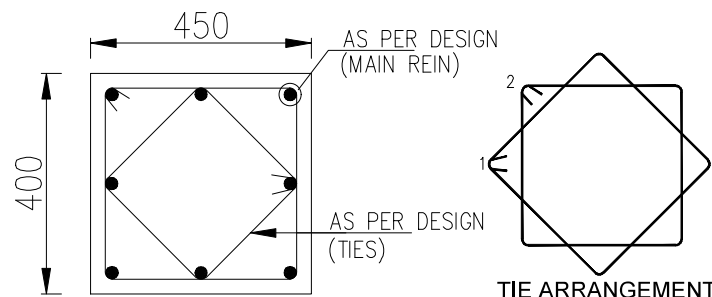
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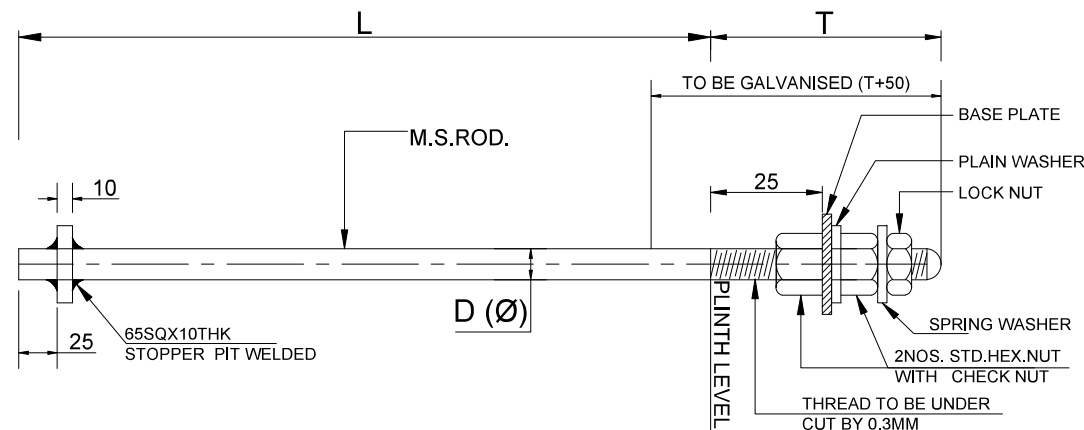
PLAN



BASE PLATE PLAN



SECTION C-C
(FOR REINFORCEMENT)
(ENLARGED)



TYPICAL FOUNDATION BOLTS

SPECIAL NOTES:-
• PLEASE NOTE THAT DIMENSIONS / DETAILS SHOWN IN THIS DRAWINGS ARE MINIMUM REQUIREMENT WHICH IS TO BE STRICTLY FOLLOWED. BIDDER IS REQUESTED TO ADD FURTHER DETAILS / ITEMS AS PER ACTUAL REQUIREMENTS BASED ON SITE CONDITIONS, FUNCTIONAL REQUIREMENT, I.S. CODE AND STANDARDS, SOIL STRATA, ENVIRONMENTAL CONDITIONS ETC.

IMPORTANT NOTES

A GENERAL

1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED & LEVELS ARE IN METER.
2. DO NOT SCALE THE DRAWING, ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. THE DRAWING MUST BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWING I.E. ARCHITECTURAL, ELECTRICAL & STRUCTURAL DRAWING. (GA DRAWING OF MANUFACTURER)
4. ALL THE WORK SHALL BE CARRIED OUT AS PER RELEVANT FIELD QUALITY PLAN APPROVED BY GETCO.
5. IN CASE OF ANY DOUBT OR DISCREPANCIES, PLEASE CONTACT ENGG. CELL. NO ASSUMPTIONS SHALL BE MADE.
6. ALL SAFETY PRECAUTIONS AS MENTIONED IN ELECTRICAL LAYOUT, SAFETY MANUAL & RELEVANT STANDARD CODES, SHALL BE SCRUPULOUSLY FOLLOWED WHILE EXECUTION OF WORK.

B CONCRETE

7. THE CEMENT SHALL BE ORDINARY PORTLAND CEMENT WITH C3A CONTENT FROM 5 TO 8 % FOR ALL CIVIL WORK.
8. ALL THE RCC WORK SHALL BE CARRIED OUT AS PER IS 456-2000, WITH LATEST REVISION.
9. THE GRADE OF CONCRETE SHALL BE M-20, WITH MINIMUM CEMENT CONTENT OF 400 KG/M³. EXCEPT LEAN CONCRETE MIX DESIGN SHALL BE DONE CONSIDERING 'SEVERE ENVIRONMENT' EXPOSURE CONDITIONS.
10. THE GRADE OF LEAN CONCRETE SHALL BE M-15
11. CONCRETING OF ALL CIVIL WORKS UNDER BIDDER SCOPE FOR GRADE OF M30, M25 & M20 SHALL BE DONE WITH THE HELP OF DIGITAL WEIGH BATCHER OR FLORI (MOBILE CONCRETE BATCHING PLANT) ONLY.
12. ALL CONCRETE SHALL BE MACHINE MIXED, VIBRATED & CURED FOR MINIMUM 10 DAYS.
13. USE OF NEEDLE VIBRATOR IS COMPULSORY FOR ALL CONCRETE WORKS.

C REINFORCEMENT

14. REINFORCEMENT BARS SHALL BE TMT (THERMO MECHANICALLY TREATED) OF GRADE FE-500/550D/550 BARS CONFIRMING TO IS 1786(LATEST REVISION) COATED WITH FUSION BONDED EPOXY COAT-ING AS PER IS-13620(LATEST REVISION)
15. REINFORCEMENT SHALL BE BENT & FIXED IN ACCORDANCE WITH THE PROCEDURE SPECIFIED IN IS 2502-1963.
16. CLEAR COVER TO THE REINFORCEMENT SHALL BE AS UNDER

	TOP	BOTTOM	SIDES
• FOOTING (RAFT & ISOLATED)	50	75	50
• PILE CAPS	50	100	50
• PILE	75	75	75
• GRADE BEAM	-	40	40
• COLUMNS & PEDESTALS	50	-	50
• BEAMS ABOVE GROUND LEVEL	35	35	35
• GRADE SLAB	25	25	25
• LINTEL BEAMS	25	25	25
• SLABS & STAIRCASE	25	25	25
• CABLE TRENCHES BASE SLAB	20	35	35
• WALL	20	35	35

17. LAP LENGTH SHOULD BE 50 TIMES OF DIA..
18. LAP AT SUPPORT SECTION, JOINT SECTION & MID SPAN SHALL BE AVOIDED.
19. OVERLAPPING OF REINFORCEMENT SHALL BE STAGGERED.
20. UNLESS OTHERWISE SPECIFIED DISTN., STEEL SHOULD BE 8 MM. TOR @ 200 MM. C/C.
21. IN CASE OF CONTINUOUS SUPPORT, REINFORCEMENTS ARE DEFERENT FOR TWO ADJACENT BEAMS / SLABS, THE HIGHER SUPPORT REINFORCEMENT OF THE TWO SHALL BE PROVIDED AT THE SUPPORT

D FOUNDATION

22. IN THE COURSE OF EXCAVATION, IF, SUB SOIL STRATA DIFFERS IN COMPARE TO SBC REPORT, THE SAME SHALL BE REPORTED TO THE CONCERN FOR NECESSARY STEPS BY THE ENGINEERING CELL.
23. LAY-OUT, LINE-OUT & ORIENTATION SHALL BE CHECKED JOINTLY BY E. E. / D. E. - (CIVIL) & E. E. / D. E. - (CONST), ON THE BASIS OF APPROVED ELECTRICAL LAY-OUT, GA DRAWING & THIS DRAWING, PRIOR TO START THE WORK.
24. 50 MM. THICK GROUTING SHALL BE DONE ONLY AFTER ERECTION WORK IS COMPLETED.
25. NON SHRINK GROUTING MATERIAL CONBEXTRA- GP2 OR POLY-GROUT - NS OR EQUIVALENT MAKE HAVING MINIMUM COMPRESSIVE STRENGTH OF 45 N/MM2 IS TO BE USED

• FOR OPEN FOUNDATION

26. NO FOUNDATION SHALL BE RESTED ON FILLED-UP SOIL / BLACK COTTON SOIL.
- IF FILLED UP SOIL ENCOUNTERED, FOUNDATION SHALL BE TAKEN 300 MM BELOW VIRGIN SOIL.
- IF FOUNDATION FALLS ON EXCAVATED TRENCHES OF ADJOINING FOUNDATION, THAN FOUNDATION SHALL EXTENDED UP TO THE DEPTH OF ADJOINING FOUNDATION.
- IF BLACK COTTON SOIL ENCOUNTERED, AT FOUNDATION DEPTH, THAN FOUNDATION SHALL REST ON COMPACTED SAND BED OF 300MM THICK.
27. BACK FILLING OF FOUNDATION TRENCHES SHALL BE DONE WITH USE OF NON COHESIVE SOIL ONLY.
- THE BACK FILLING AROUND THE FOUNDATION SHALL BE ADEQUATE TO ACHIEVE THE PROCTOR DENSITY OF 95%.

• FOR PILE FOUNDATION

28. THE GRADE OF CONCRETE SHALL BE M-30 FOR PILE CAP, COLUMN, BEAM, RAFT, ETC., EXCEPT LEAN CONCRETE.
29. THE GRADE OF CONCRETE FOR PILE SHALL BE M-30, CONFIRMING TO IS 456 WITH MINIMUM CEMENT CONTENT AS 450 kg. / M³. WITH TREMIE CONCRETE.
30. CONCRETE SLUMP SHALL BE 120 TO 150MM. (VERY HIGH DEGREE OF WORKABILITY) FOR PILE FOUNDATION WITH TREMIE CONCRETE.
31. FOR CONSTRUCTION SPECIFICATION OF IS 2911 (PART-III), LATEST REVISION SHALL BE FOLLOWED.
32. THE PILE SHOULD PROJECT 100MM. IN TO THE PILE CAP CONCRETE.
33. INTEGRITY TEST TO BE DONE FOR ALL PILES, PRIOR TO CAST PILE CAP.
34. INITIAL AND ROUTINE PILE LOAD TEST SHALL BE CARRIED OUT FOR EACH CAPACITY OF PILE(I.E. FOR COMPRESSION, PULL OUT & LATERAL LOAD CAPACITY) AS PER PROVISION OF IS 2911-PART-IV-LATEST REVISION, TEST RESULTS SHALL BE COMPARED WITH RECOMMENDED VALUE GIVEN IN APPROVED SOIL INVESTIGATION REPORT PRIOR TO START OF WORKING PILE.
35. PILE CONCRETE SHALL BE DONE WITH MINIMUM LEAD TIME AFTER 'PILE BORE' IS ACCEPTED & CLEARED FOR REINFORCEMENT PLACEMENT AND CONCRETING. IN NO CASE, PILE BORE SHALL REMAIN OPEN FOR MORE THAN FOUR HOURS AFTER ACCEPTANCE

• FOR HARD ROCK

36. CARE SHOULD BE TAKEN TO REMOVE LOOSENED PIECES OF ROCK SO AS TO REST THE FOUNDATION ON UNDISTURBED ROCK MASS.
37. WASHING & AIR JETTING SHALL BE DONE SO THAT THE FOUNDATION REST ON PRACTICALLY UNDISTURBED ROCK.
38. RAFT SHALL NOT OVERHANG AT ANY CORNERS, ELSE EXCAVATE THE FILLED UP SOIL AND BACK FILL IT BY LEAN CONCRETE OF REQUIRED STRENGTH UP TO FOUNDATION LEVEL.
39. HARD ROCK STRATA SHALL BE CLASSIFIED WHERE CHISELING, DRILLING AND BLASTING IS REQUIRED FOR EXCAVATION. THESE INCLUDE HARD SAND STONE, QUARTZITE, GRANITE, BASALT, HARD MARBLE ETC (REF: CBIP MANUAL CH NO: 10, CL NO:10.7(h) PAGE-219)
40. SOFT ROCK / FISSURED ROCK FOUNDATION SHALL BE CLASSIFIED WHEN DECOMPOSED OR FISSURED ROCK, HARD GRAVEL, KANKAR, LIME STONE, LATERITE OR ANY OTHER SOIL OF SIMILAR NATURE IS MET WHICH CAN BE EXCAVATED WITHOUT BLASTING.(CBIP MANUAL, CH. NO. : 10, CL. NO. 10.7(g), P. NO. : 219)

41. ANCHOR BAR OF SUFFICIENT CAPACITY SHALL BE GROUTED IN HARD ROCK WITH GROUTING MATERIAL AS PER BOQ.

E FOUNDATION BOLT

42. BEFORE CONCRETING, LOCATION OF FOUNDATION BOLT SHALL BE CHECKED & APPROVED BY ENGINEER IN CHARGE.
43. FOUNDATION BOLT SHALL BE CONNECTED TO REINFORCEMENT CAGE BY MEANS OF 12 MM. DIA. BAR, (TO PROVIDE THE EARTHING TO THE FOUNDATION)
44. IF FOUNDATION BOLTS FOUL WITH STIRRUPS, STIRRUPS MAY BE ADJUSTED AT SITE.

F SPECIAL NOTE:-

45. THIS DRAWING IS GIVEN FOR BID PURPOSE ONLY. HOWEVER, BIDDER HAS TO DEVELOP CONSTRUCTION DRAWINGS AND RELEVANT STRUCTURE DRAWINGS ON THE BASIS OF THIS DRAWING, APPROVED LAY OUT OF SUB STATION, TENDER SPECIFICATION, SBC REPORT, SITE CONDITION, CONTOUR MAP AND AS PER CODES & STANDARDS.
46. CERTAIN MINIMUM REQUIREMENTS ARE INDICATED IN THIS DRAWING FOR GUIDANCE PURPOSE. HOWEVER BIDDER SHALL QUOTE THE RATES ACCORDING TO SYSTEM REQUIREMENTS.
47. DIMENSION SHOWN IN THIS DRAWING IS MINIMUM REQUIRED & BIDDER CAN NOT DECREASE THE SAME. HOWEVER, IT SHALL INCREASED DURING DETAILED ENGINEERING AS PER RELEVANT CODES & STANDARD
48. LENGTH OF ALL 'L' SHOULD BE AT LEAST 150MM.

TENDER PURPOSE



GUJARAT ENERGY TRANSMISSION CORPN.LTD.
S.P.VIDYUT BHAVAN, RACE COURSE,
VADODARA - 390 007

**TENTATIVE FOUNDATION PLAN & SECTION FOR 11KV SIDE CONNECTION ARRANGEMENT
FOR 66-11KV TRANSFORMER AT 66KV GOTHAN-II (GIS) SUB-STATION**

CHECKED:	APPD:	SIZE:
JE(CIVIL)	DE(CIVIL)	A3
SCALE:	DATE:	REV:
N.T.S	01.06.26	R0

DRG. NO:	SHEET:	REV:
GETCO / C/ 6S-670/FDN-019D	1 OF 1	R0

EQUIPMENT	(Ø) DIA. OF BOLT (MM)	T (MM)	L (MM)	QTY. OF BOLTS PER STR.
11KV SIDE CONNECTION ARRANGEMENT	16	100	550	4X2=8

1	TENTATIVE LAYOUT PLAN OF 66KV GOTHAN-II S/S, DRG. NO. GETCO/E/6S-670/P-005, REV. R0, DATE.01.06.2026	R0	FIRST PREPARATION
SR NO.	REFERENCE	REV.	DESCRIPTION