

GROUND FLOOR PLAN :- + 0.450 @ EL.(TOC)

NOTE:

1. THIS IS A CONCEPTUAL DRAWING FOR CONTROL ROOM BUILDING, CIVIL PARAMETERS SHOWN IN DRAWING ARE INDICATIVE ONLY. SUBSEQUENT COMMENT WILL BE INCORPORATED IN ARCH. DRAWING OF CONTROL ROOM BUILDING, DRAWING NO TB-0-378-607-620-1 / 2 / 3
2. GIS FLOOR AND CONTROL RELAY PANEL ROOM FLOOR SHALL BE EPOXY.
3. THE BUILDING SHALL HAVE MINIMUM PROVISIONS:
 - 3.1. MAINTENANCE ENGINEER ROOM – CUMULATIVE AREA 74.33 SQ. METER
 - 3.2. BATTERY ROOM
 - 3.3. AHU ROOM
 - 3.4. TOILET (ONE NEAR CONTROL ROOM / ONE ON GROUND FLOOR)
 - 3.5. CONFERENCE ROOM WITH MODULAR FURNITURE – 27.88 SQ. METER
 - 3.6. AIR CONDITIONED RELAY AND SCADA ROOM
 - 3.7. AIR CONDITIONED CONTROL ROOM.
 - 3.8. CONTROL & RELAY PANEL AND SAS SYSTEM FOR THE SWITCHYARD
4. ALL ELECTRICAL ROOMS AND CABLE SPREADER ROOMS SHALL HAVE MINIMUM OF TWO DOORS AND THE DOORS SHALL BE FIRE RATED FOR 2 HOURS.
5. ACCESS TO ROOF SHALL BE PROVIDED WITH STAIRCASE.
6. SUITABLE ARRANGEMENT TO BE PROVIDED FOR AHU ROOM EQUIPMENT.
7. CABLE PIT TO BE PROVIDED OUTSIDE THE BUILDING TO ENSURE WATER DOES NOT ENTER IN THE BUILDING
8. WITHDRAWAL OF TRANSFORMER NOT TO OBSTRUCT DURING HT CABLE ROUTING
9. REFER – TB-378-510-007 – INDOOR TRENCH LAYOUT FOR 400KV GIS BUILDING TB-378-510-008 – INDOOR TRENCH LAYOUT FOR SWITCHYARD CONTROL ROOM TB-378-510-009 – OUTDOOR CABLE TRENCH LAYOUT FOR 400KV SWITCHYARD
10. GLASS PARTITION TO BE PROVIDED BETWEEN PASSAGE AND MAINTENANCE CUM OFFICE ROOM
17. ALL WINDOWS TO BE PROVIDED WITH SUN SHADE.
18. SUN SHED TO BE PROVIDED FOR ROLLING SHUTTER.
19. CRB GROUND FLOOR TOILET SHALL HAVE DIRECT ENTRY FROM OUTSIDE.

LEGENDS
 FG : FIX GLASS AT HIGH LEVEL
 FG_HL : FIX GLASS AT HIGH LEVEL
 WINDOW : WINDOWS
 EF : EXHAUST FAN

INVENTORY No.	SIGN. & DATE	REF. DRG. No.	COMPUTER DRG. PATH NAME :
A	B	C	D
16	15	14	13
15	14	13	12
14	13	12	11
13	12	11	10
12	11	10	9
11	10	9	8
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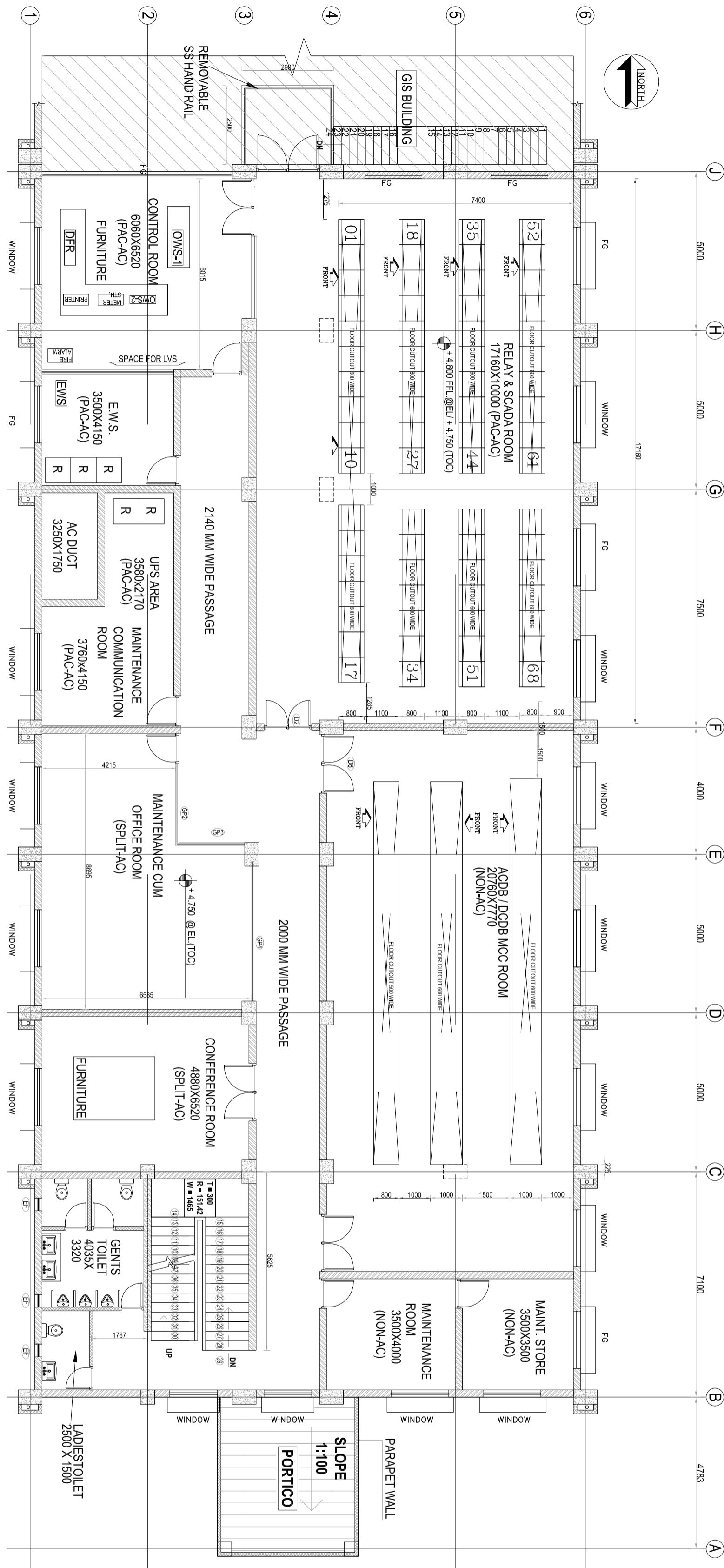
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2	04.04.14	REVISION	04.04.14	1	04.04.14	04.04.14
1	04.04.14	REVISION	04.04.14	0	04.04.14	04.04.14

ADDITIONAL INFORMATION	W.O.No.	STATUS OF DRAWING	DISTRIBUTION OF PRINTS
64407	64407	64407	64407

NAME OF CONSULTANT	NAME OF CUSTOMER/PROJECT
DESEEN PRIVATE LIMITED, NEW DELHI.	TAMILNADU GENERATION AND DISTRIBUTION CORPORATION (TANGEDCO) 400KV GIS AT 2 X 600 MM ENGINE SZZ SUBSTATION THERMAL POWER PROJECT AT ASH DYKE OF NCTPS

SCALE	DATE	BY	CHECKED
1:400	04.04.14	RS	RS

PROJECT NO.	DATE	BY	CHECKED
TB-378-510-004	04.04.14	RS	RS



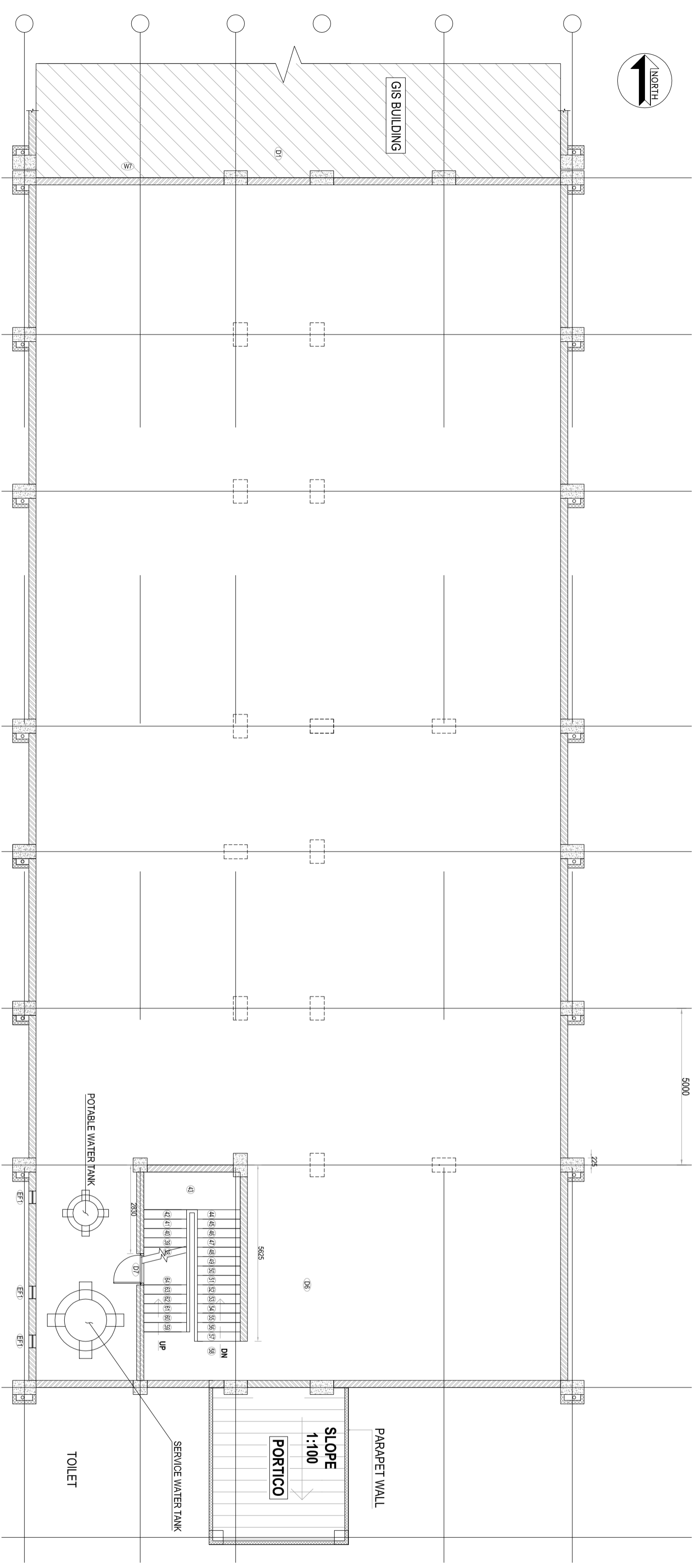
FIRST FLOOR PLAN :- + 4.750 @ EL.(TOC)

- REMARK**
1. NUMBER OF PANELS SHOWN IN THE DRAWING ARE TENTATIVE. FINAL QUANTITY OF PANEL SHALL BE AS PER THE APPROVED DRAWINGS.
 2. FURNITURE TO BE PROVIDED IN MAINTENANCE OFFICE AND CONFERENCE HALL AS PER VOL-VI CIVIL.
 3. REF. DRAWING TB-378-316-126-04, ELECTRICAL ILLUMINATION LIGHTING LAYOUT FOR CONTROL ROOM BUILDING.
 4. CONTROL ROOM SHALL HAVE ACCESS TO GIS BUILDING FROM GROUND FLOOR AND FIRST FLOOR.
 5. STANDALONE FIRE ALARM PANEL TO BE PROVIDED INLINE WITH SPECIFICATION VOL III, CHAPTER 12, CLAUSE NO 12.4.4.3.
 6. SHOES / FOOT RACK AND SEAT TO BE PROVIDED AT MAIN ENTRANCE OF CONTROL ROOM TO AVOID ANY DUST.
 7. SUB VENDORS DRAWINGS SUCH AS PANELS, CHARGER SYSTEM, UPS, BATTERY RACKS, OWS TABLE & PRINTER TABLE E.T.C. WILL BE COVERED IN A SEPARATE DRAWING TITLE - INDOOR TRENCH LAYOUT FOR SWITCHYARD CONTROL ROOM TB-378-510-008

PANEL DISCRPTION	PANEL	QTY
1 ENERGY METERING PANEL	EMP	4
2 LINE PROTECTION PANEL	LRPA, LRPB	12
3 BUS REACTOR PROTECTION PANEL	BRPA, BRPB	4
5 START UP TRAF0 PROTECTION PANEL	SUTRPA, SUTRPB	4
6 GT PROTECTION PANEL	GTRP	2
8 LTE PROTECTION PANEL	TRP	7
9 ISLANDING PROTECTION PANEL	ISRP	3
10 BUSBAR PROT.N. PANEL	BRBP	2
11 BUSBAR PROT.N. PANEL (Future 95 relay)	BRBP	1
12 SYNC TROLLEY		1
13 S&S PANELS		3
14 OLTE- Digital Protection Coupler Panels		6
15 OLTE-SOH/POH Panels		4
16 BUS REACTOR PROTECTION PANEL (future)	BRPA, BRPB	53
18 GT PROTECTION PANEL (future)	GTRP	2
19 OLTE-SOH/POH Panels (future)		4
19 OWS		2
20 EWS		2
21 Metering master station		1
22 DFR station		1
23 DFR station		2
24 Dot matrix high speed printer		1
25 A3 High speed line printer		1
26 LV5		1
27 OLTE-Emp Panel		1

Location ID	Panel	Ref
1	EMP-1	
2	EMP-2	
3	EMP-3	
4	EMP-4	
5	LRPA	401
6	LRPB	401
7	TRP	402
8	LRPA	403
9	LRPB	403
10	F	
11	SUTRPA	404
12	SUTRPB	404
13	TRP	405
14	SUTRPA	406
15	SUTRPB	406
16	F	
17	F	
18	GTRP	407
19	TRP	408
20	LRPA	409
21	LRPB	409
22	TRP	410
23	LRPA	411
24	LRPB	411
25	EBRP-1	
26	EBRP-2	
27	EBRP-3	
28	BRPA	412
29	BRPB	412
30	TRP	413
31	BRPA	414
32	BRPB	414
33	GTRP	415
34	TRP	416
35	LRPA	417
36	LRPB	417
37	TRP	418
38	LRPA	419
39	LRPB	419
40	OLTE-1	
41	OLTE-2	
42	OLTE-3	
43	OLTE-4	
44	OLTE-5	

INVENTORY No.	SIGN. & DATE	REF. DRG. No.	COMPUTER DRG. PATH NAME :	COPY RIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED it must not be used directly or indirectly in anyway detrimental to the interest of the company.									
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ISSUED FOR APPROVAL</td> <td>06.02.18</td> </tr> <tr> <td>2</td> <td>ISSUED FOR APPROVAL</td> <td>06.02.18</td> </tr> </tbody> </table>					NO.	DESCRIPTION	DATE	1	ISSUED FOR APPROVAL	06.02.18	2	ISSUED FOR APPROVAL	06.02.18
NO.	DESCRIPTION	DATE											
1	ISSUED FOR APPROVAL	06.02.18											
2	ISSUED FOR APPROVAL	06.02.18											
<p>CONCEPTUAL CONTROL ROOM BUILDING LAYOUT FOR 400KV SWITCHYARD SENSOR</p> <p>DATE: 06.02.18</p> <p>SCALE: 1:100</p> <p>PROJECT NO: TB-378-510-004</p> <p>DESIGNER: [Signature]</p> <p>CHECKER: [Signature]</p> <p>DATE: 06.02.18</p>													
<p>ADDITIONAL INFORMATION</p> <p>W.O.No. 64007</p> <p>STATUS OF DRAWING: DISTRIBUTION OF PRINTS</p> <p>NAME OF CONSULTANT: DESEEN PRIVATE LIMITED, NEW DELHI.</p> <p>NAME OF CLIENT/PROJECT: TAMILNADU GENERATION AND DISTRIBUTION CORPORATION (TANGEDCO) 400KV OS AT 2 X 600 MM SENSOR SZ, SUBBERNICAL THERMAL POWER PROJECT AT ASH DYKE OF NCTPS</p>													

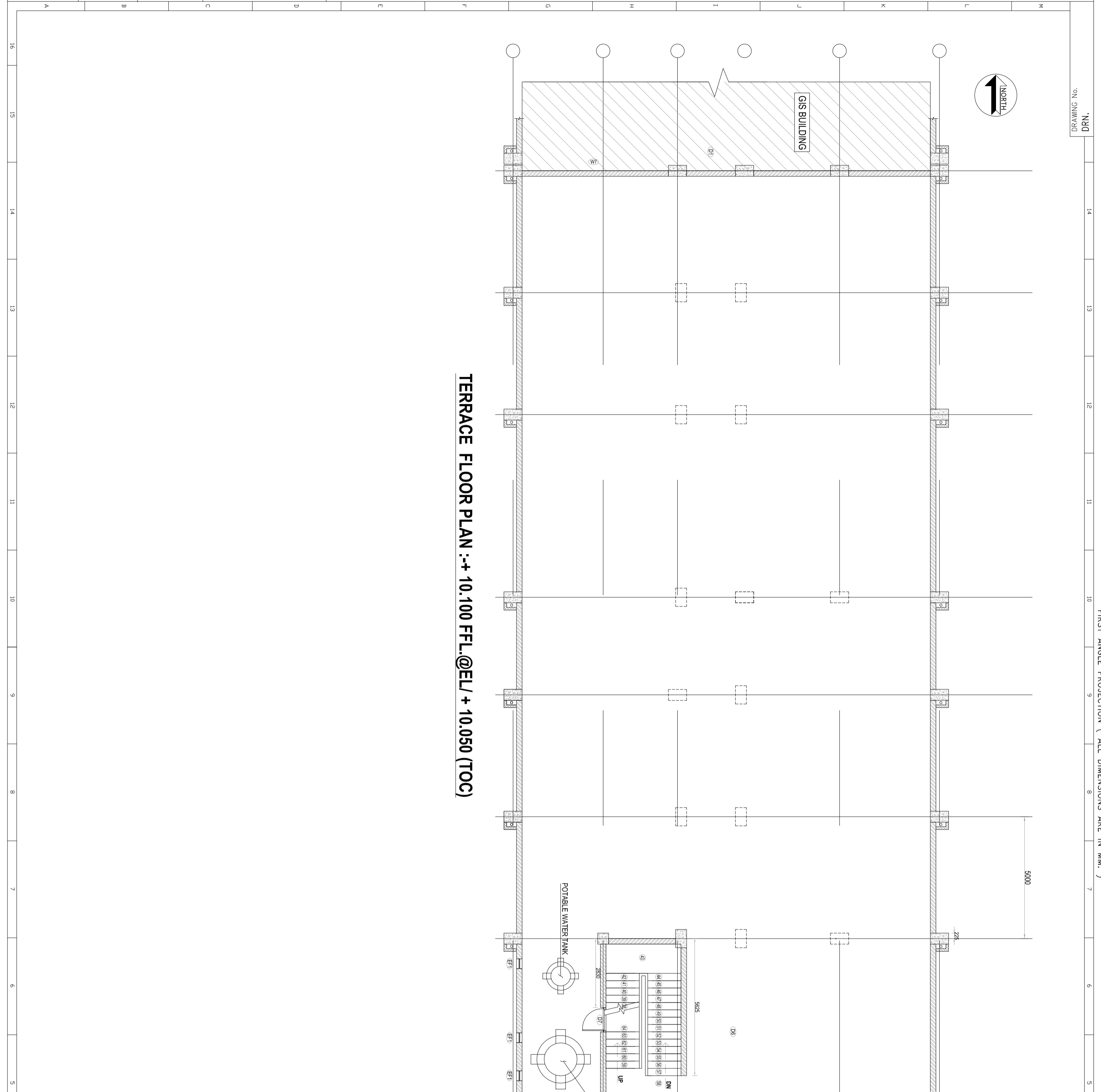


TERRACE FLOOR PLAN :-+ 10.100 FFL@EL/ + 10.050 (TOC)

Location ID	Panel	Ref
45	OLTE-6	
46	SDH/PDH-1	
47	SDH/PDH-2	
48	SDH/PDH-3	
49	SDH/PDH-4	
50	SYNC TROLLY	
51	F	
52	SAS-1	
53	SAS-2	
54	SAS-3	
55	ISRP-1	
56	ISRP-2	
57	ISRP-3	
58	GTRP (F)	420
59	TRP (F)	421
60	SUTRPA (F)	422
61	SUTRPA (F)	423
62	TRP (F)	423
63		
64		
65		
66	F	
67	F	
68	F	

INVENTORY No. SIGN. & DATE REF. DRG. No. COMPUTER DRG. PATH NAME :

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ADDITIONAL INFORMATION W.O.No. 64007 STATUS OF DRAWING DISTRIBUTION OF PERINS		TAMILNADU GENERATION AND DISTRIBUTION CORPORATION (TANGEDCO) NAME OF CUSTOMER/PROJECT 400KV OS AT 2 X 600 MM BSNONE SZZ SUBSTATION THERMAL POWER PROJECT AT ASH DYKE OF NGTPS	
NAME OF CONSULTANT DSEENI PRIVATE LIMITED, NEW DELHI.		BHARAT HEAVY ELECTRICALS LTD. TRANSMISSION BUSINESS GROUP	
REV.	DATE	ALTERED	APPROVED
ZONE			
CONCEPTUAL CONTROL ROOM BUILDING LAYOUT FOR 400KV SWITCHYARD BSNONE		DRAWING NO./DRAWING NO. TR-978-610-004	SHEET NO./SHEET NO. 03
BHARAT HEAVY ELECTRICALS LTD. TRANSMISSION BUSINESS GROUP		DESIGNED BY JK	CHECKED BY RS
SCALE 1:400		DATE 18.07.17	TIME 06.02.16